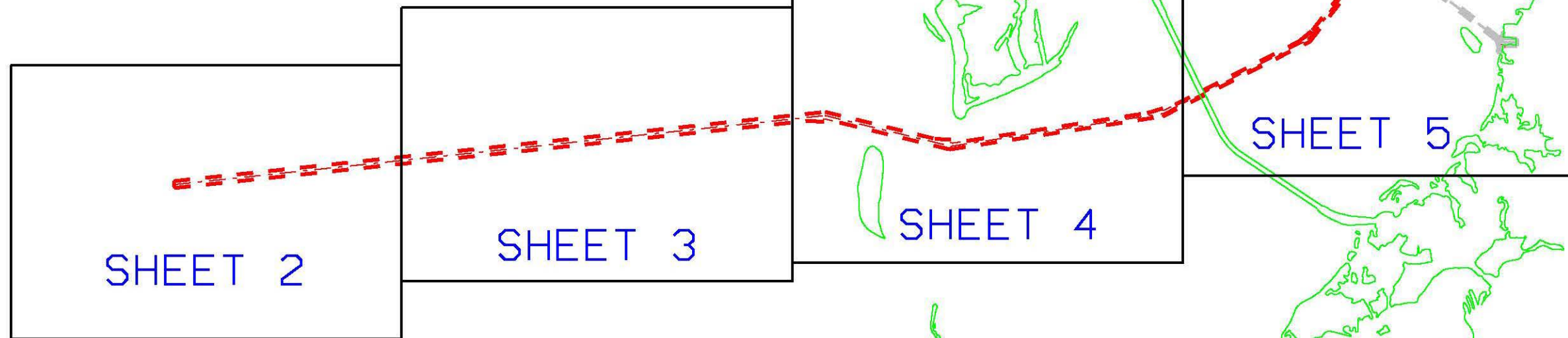
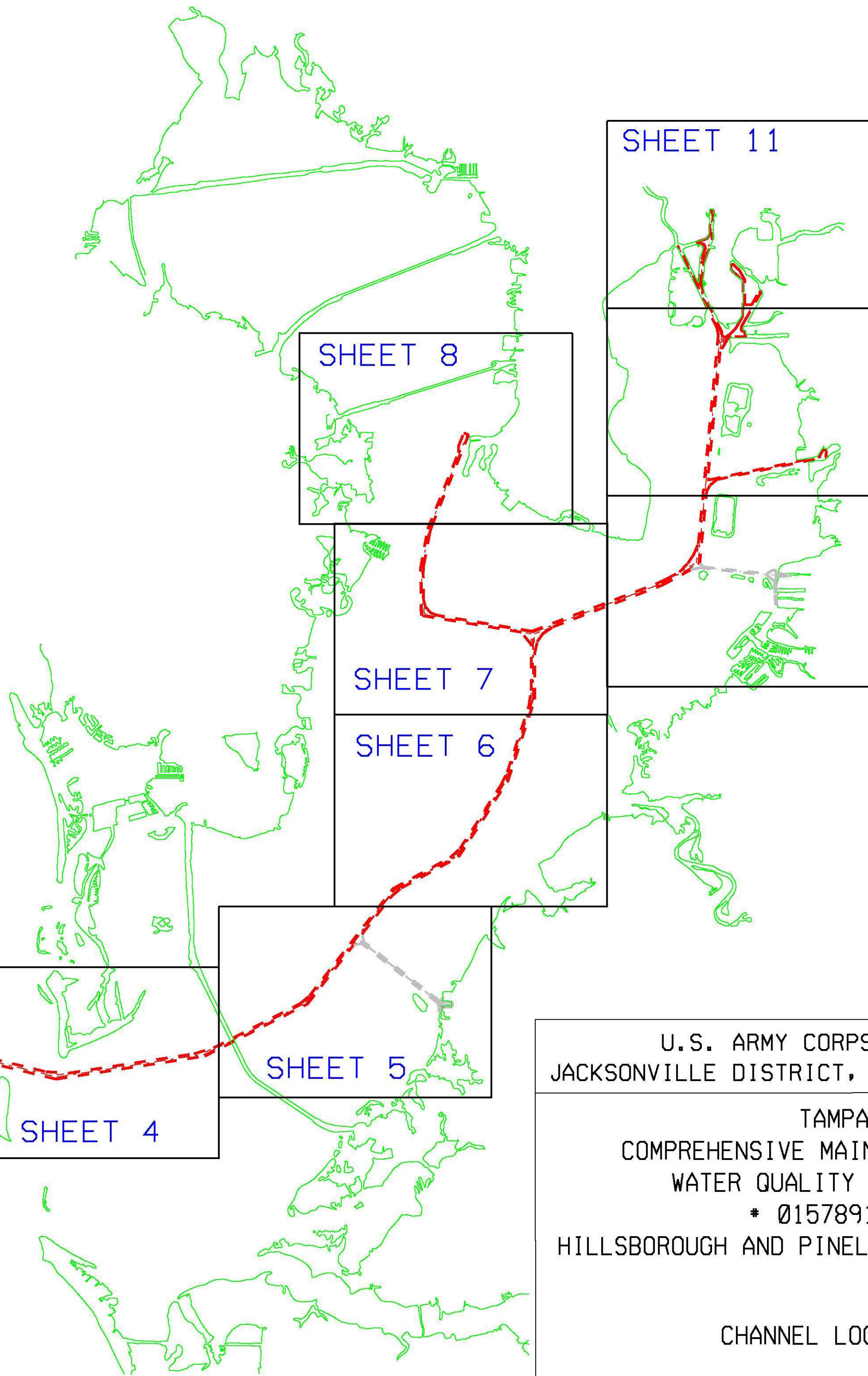
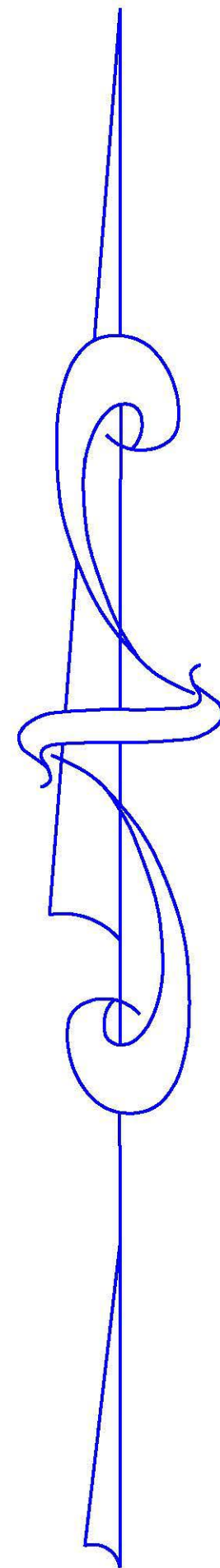


CUT	PROJECT DEPTH (FT)	ALLOWABLE OVER DEPTH
EGMONT CUT-1	45	47
EGMONT CUT-2	43	45
MULLET KEY CUT	43	45
CUT-A (TB)	43	45
CUT-B	43	45
CUT-C (TB)	43	45
CUT-D (TB)	43	45
CUT-E	43	45
CUT-F	43	45
GADSDEN POINT CUT	43	45
CUT-A (HB)	43	45
CUT-C (HB)	43	45
CUT-D (HB) STA. 2+62	41	43
CUT-D (HB) STA. 72+88.26	34	36
SEDDON CHANNEL	12	14
LOWER SPARKMAN	34	36
UPPER SPARKMAN	34	36
YBOR CHANNEL	34	36
PORT SUTTON CH & TB	43	45
EAST BAY CH & TB	43	45
EAST BAY EXT 1 & 2	34	36
CUT-G	34	36
CUT-J	34	36
CUT-J2	34	36
CUT-K	34	36

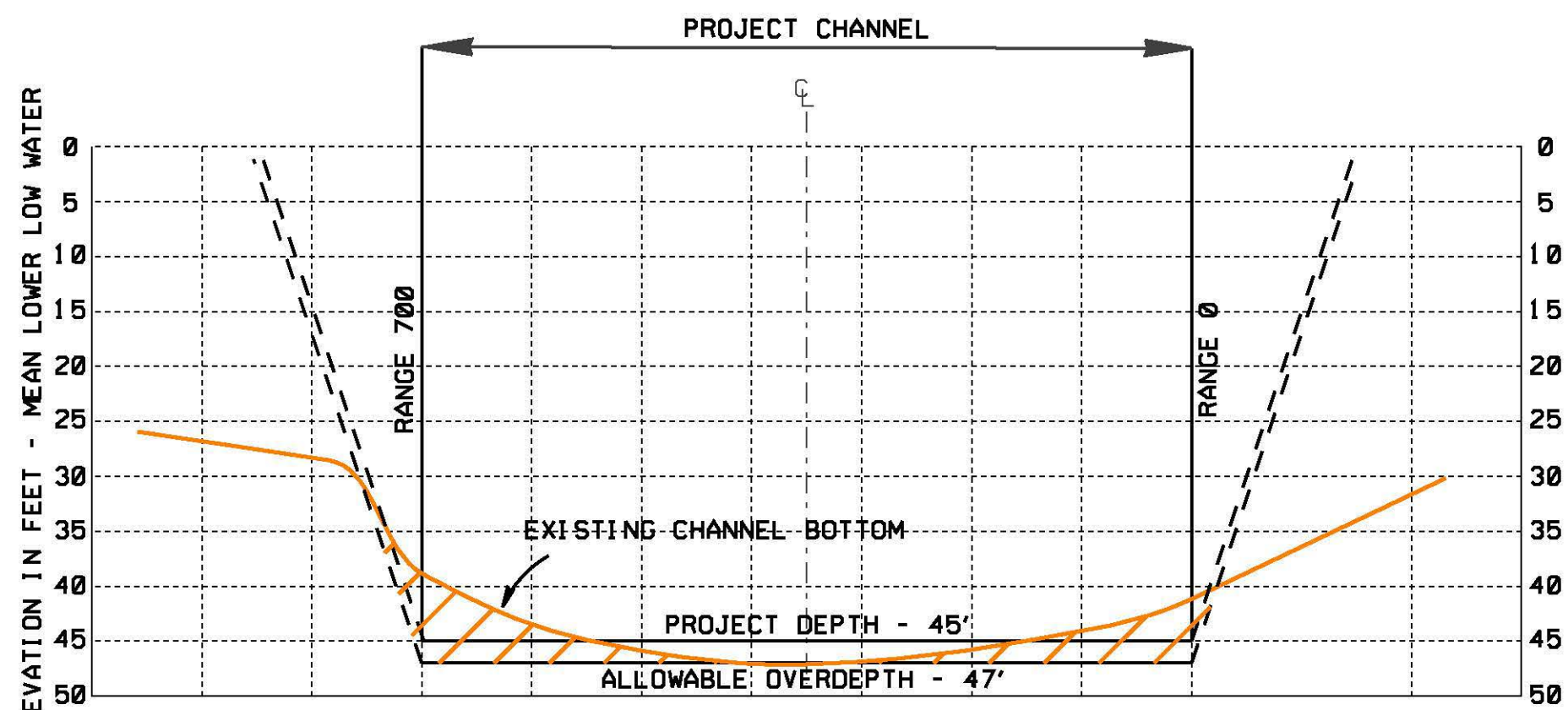
SHEET 6



U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

TAMPA BAY
COMPREHENSIVE MAINTENANCE DREDGING
WATER QUALITY CERTIFICATION
* 0157891-009-DF
HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA

CHANNEL LOCATION MAP



TYPICAL CROSS SECTION FOR EGMONT CUT-1



STA 0+00

STA 100+00

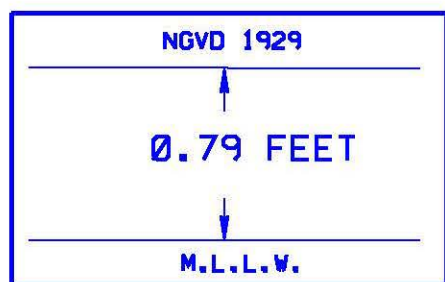
STA 200+00

EGMONT BAR CHANNEL

RGE 700
RGE 350
RGE 00

CUT-1

MATCH SHEET NO. 3



RELATIONSHIP BETWEEN NGVD 1929 AND MEAN LOWER LOW WATER

GRAPHIC SCALE



U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

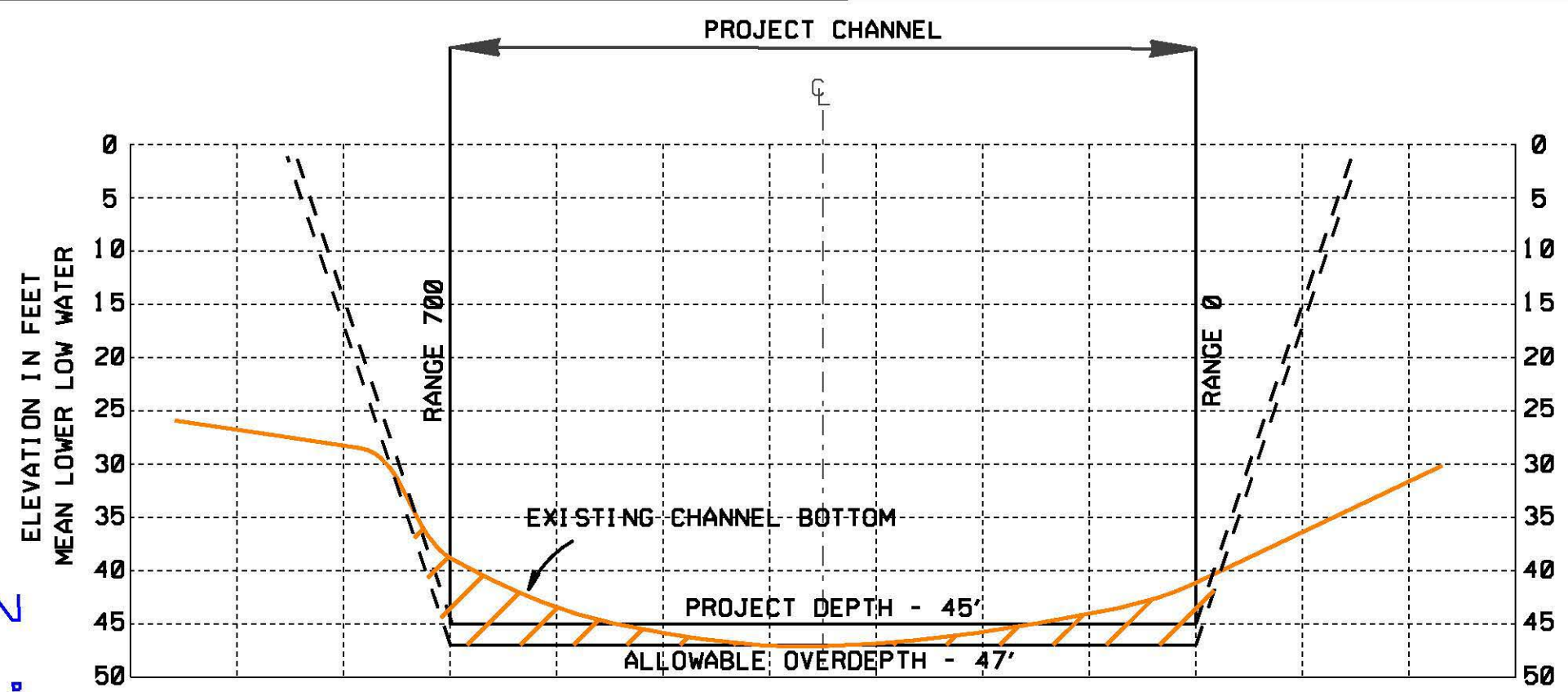
TAMPA BAY
COMPREHENSIVE MAINTENANCE DREDGING
WATER QUALITY CERTIFICATION
• 0157891-009-DF
HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA

FROM EGMONT CUT-1 STA. 0+00
TO EGMONT CUT-1 STA. 234+08

REV. MAR 2006	WQC DRAWING NO. 2
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MATCH SHEET NO. 2

MATCH SHEET NO. 4



TYPICAL CROSS SECTION FOR EGMONT CUT-1



STA 300+00

STA 400+00

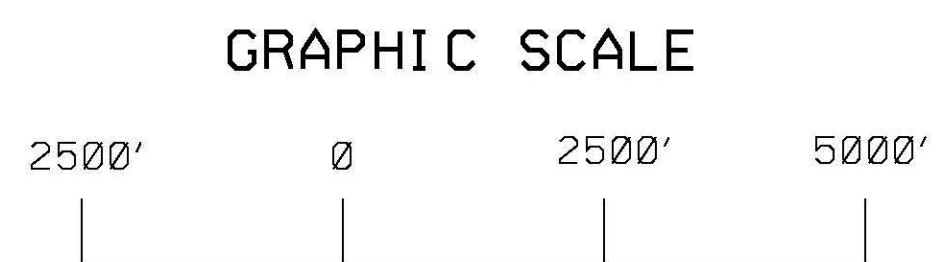
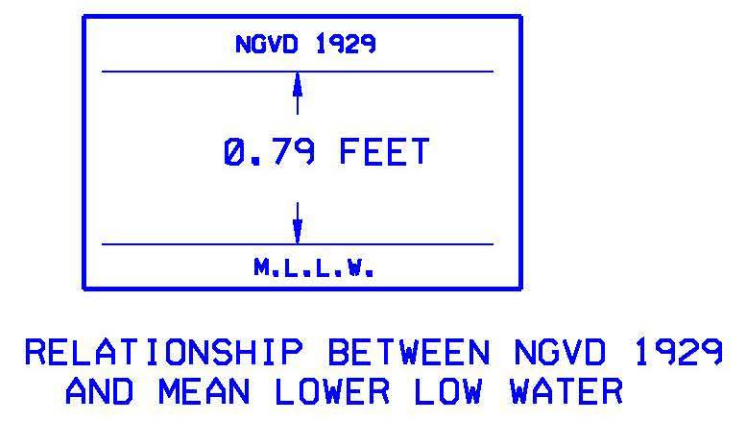
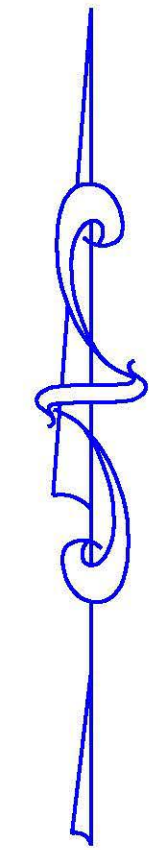
STA 500+00

STA 600+00

EGMONT BAR CHANNEL

CUT - 1

RGE 700
RGE 350
RGE 00



U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

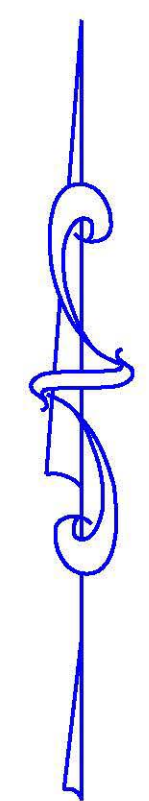
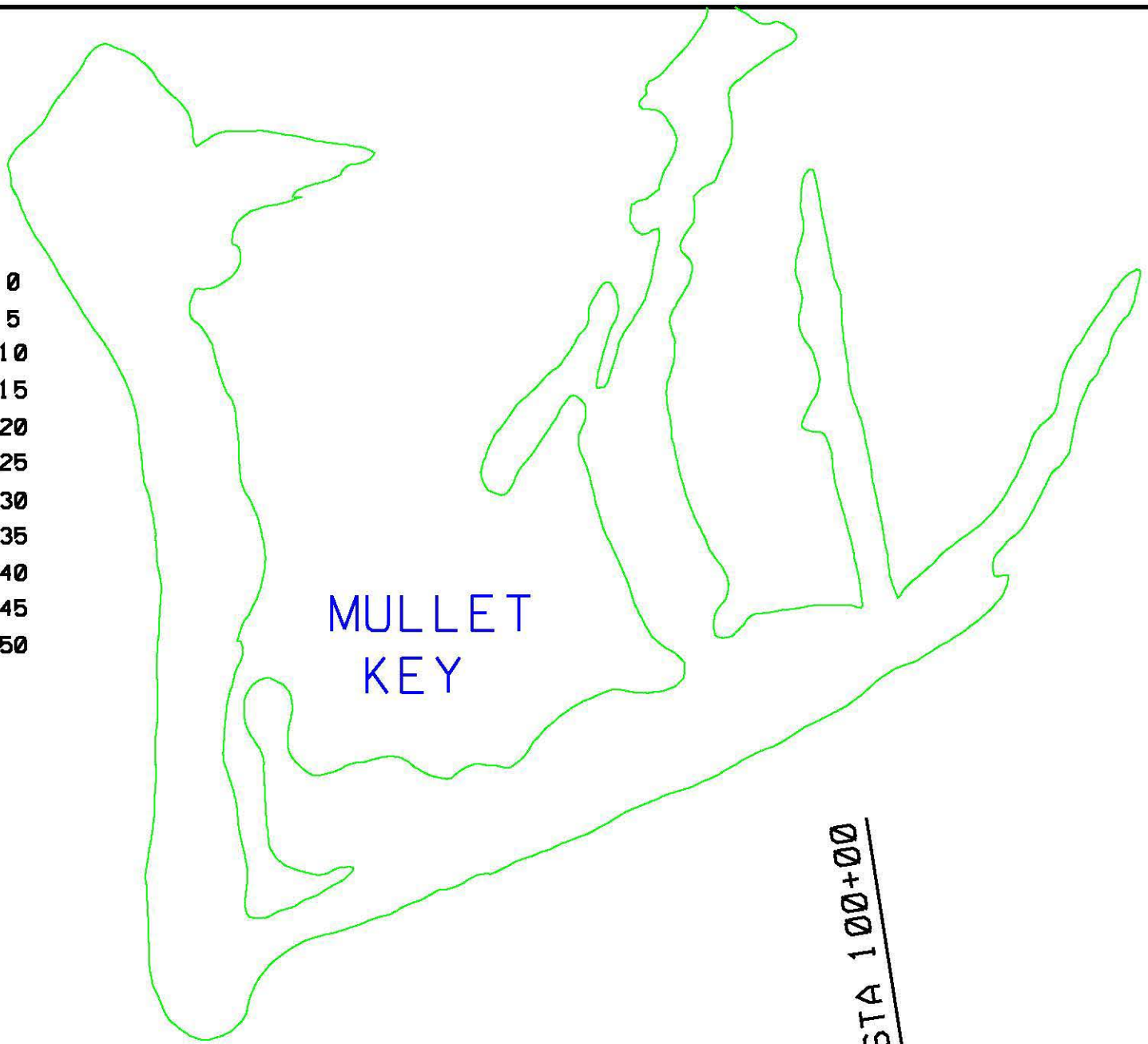
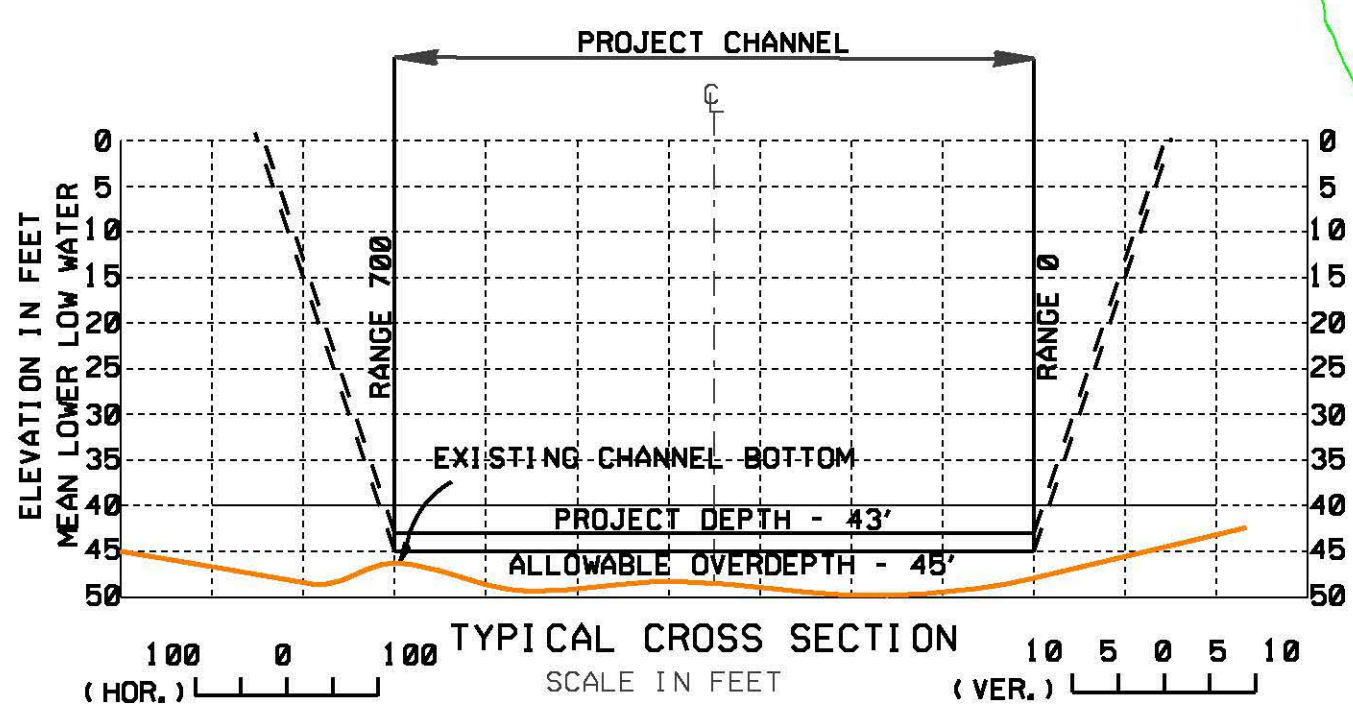
TAMPA BAY
COMPREHENSIVE MAINTENANCE DREDGING
WATER QUALITY CERTIFICATION
• 0157891-009-DF
HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA

FROM EGMONT CUT-1 STA. 234+08
TO EGMONT CUT-1 STA. 636+30

REV: MAR 2006	WQC DRAWING NO. 3
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MATCH SHEET NO. 3

MATCH SHEET NO. 5



STA 670+16.80 CUT-1
 STA 0+00 CUT-2

STA 220+00 MULLET KEY
 STA 0+00 CUT-A
 STA 203+99.97

RGE 700
 RGE 350
 RGE 00
 EGMONT CUT-2

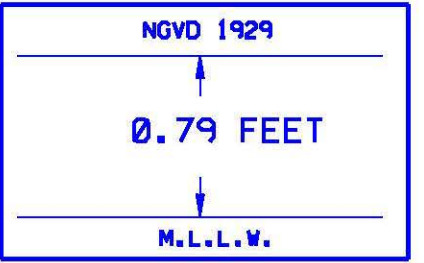
RGE 600
 RGE 350
 RGE 00

MULLET KEY CHANNEL

STA 18+10.99
 STA 652+04.53

STA 0+00 MULLET KEY
 STA 132+89.93 EGMONT CUT-2

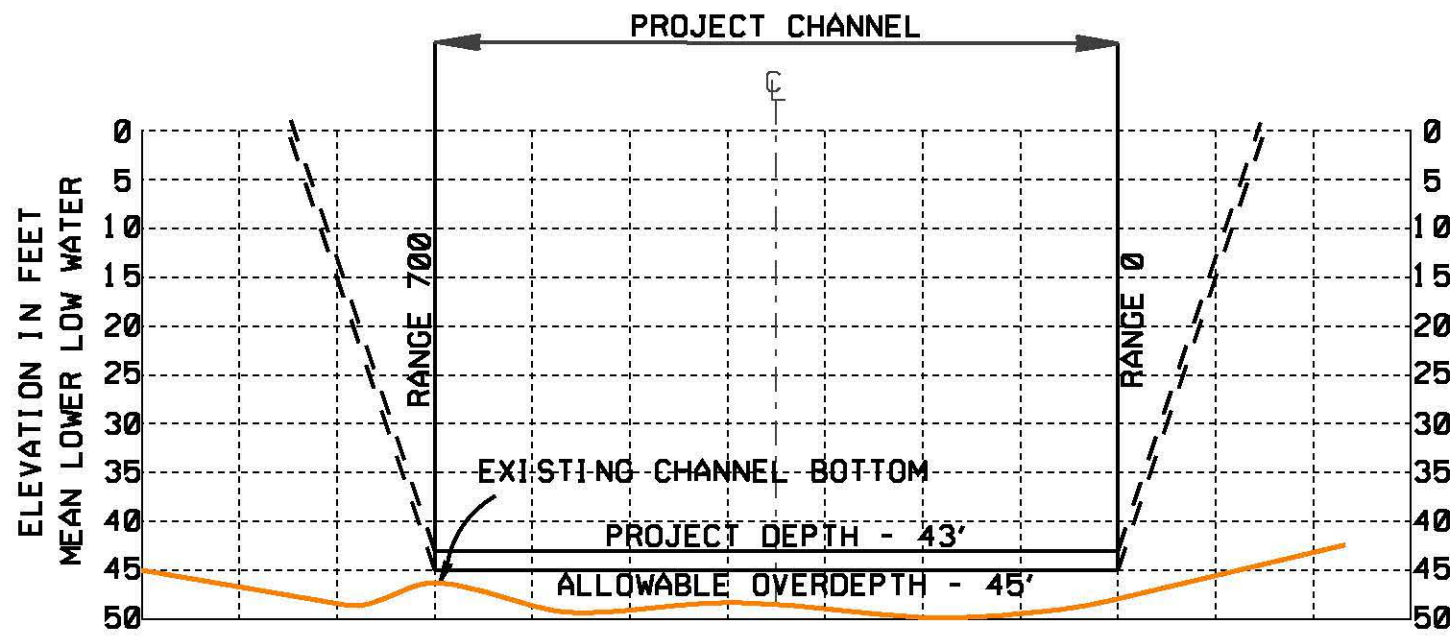
EGMONT KEY



RELATIONSHIP BETWEEN NGVD 1929 AND MEAN LOWER LOW WATER



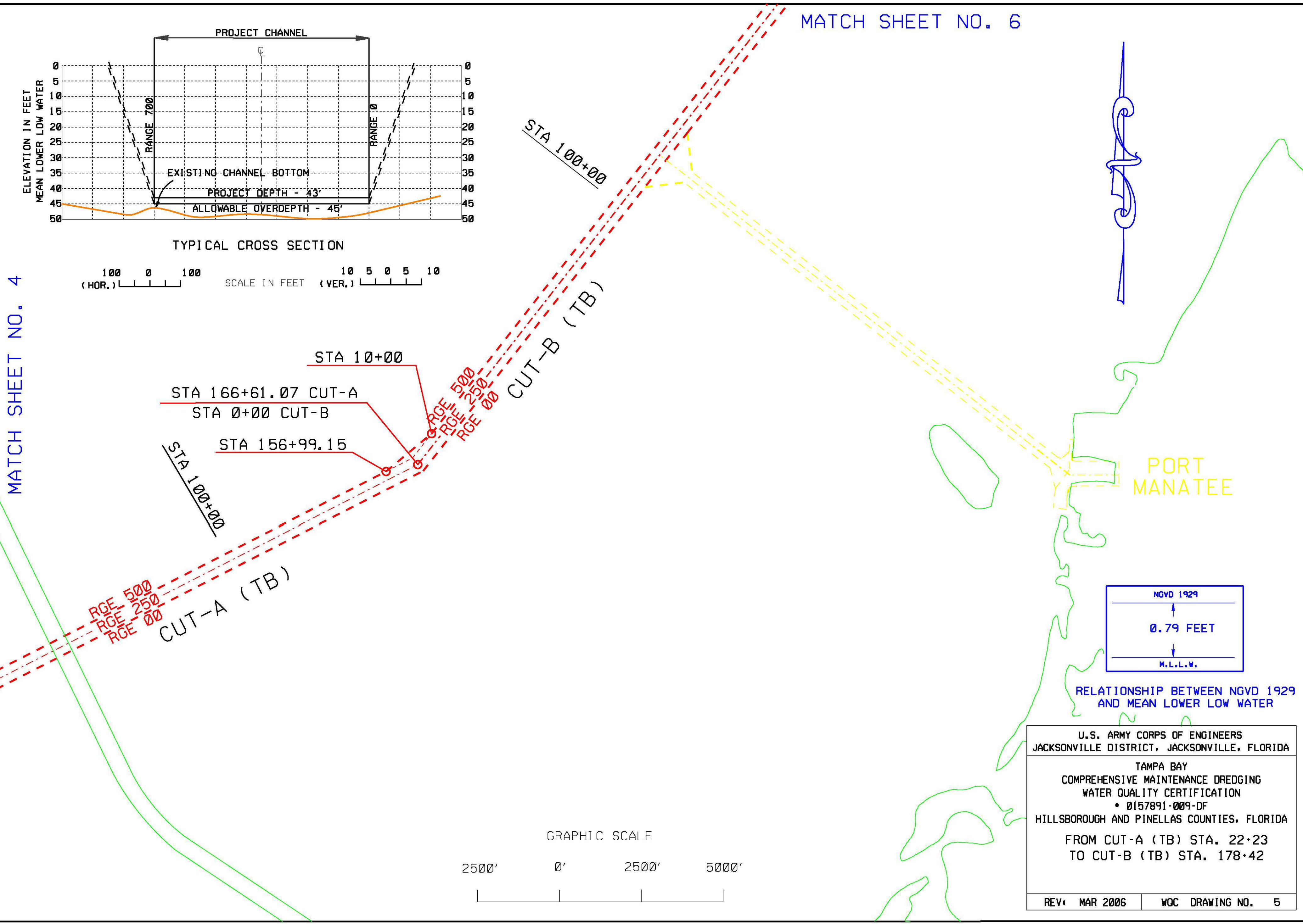
U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA	
TAMPA BAY COMPREHENSIVE MAINTENANCE DREDGING WATER QUALITY CERTIFICATION • 0157891-009-DF HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA FROM EGMONT CUT-1 STA. 636+30 TO CUT-A (TB) STA. 22+23	
REV: MAR 2006	WQC DRAWING NO. 4



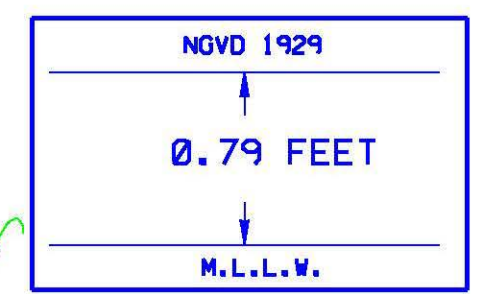
TYPICAL CROSS SECTION



MATCH SHEET NO. 4



PORT MANATEE



RELATIONSHIP BETWEEN NGVD 1929 AND MEAN LOWER LOW WATER

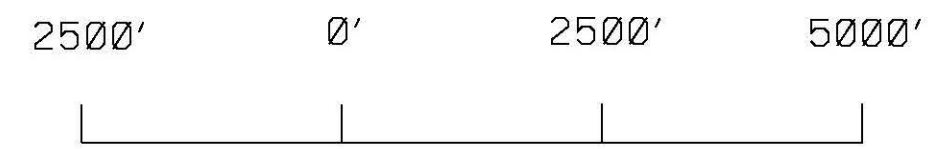
U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

TAMPA BAY
 COMPREHENSIVE MAINTENANCE DREDGING
 WATER QUALITY CERTIFICATION
 • 0157891-009-DF
 HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA

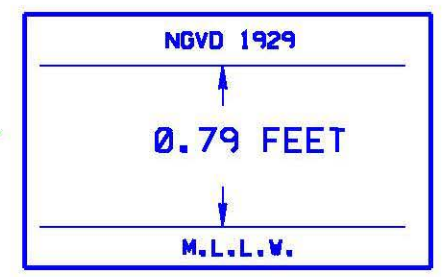
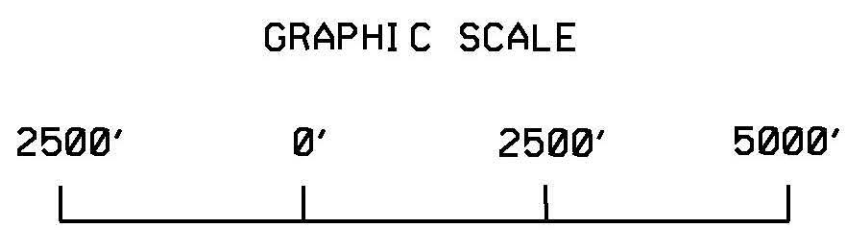
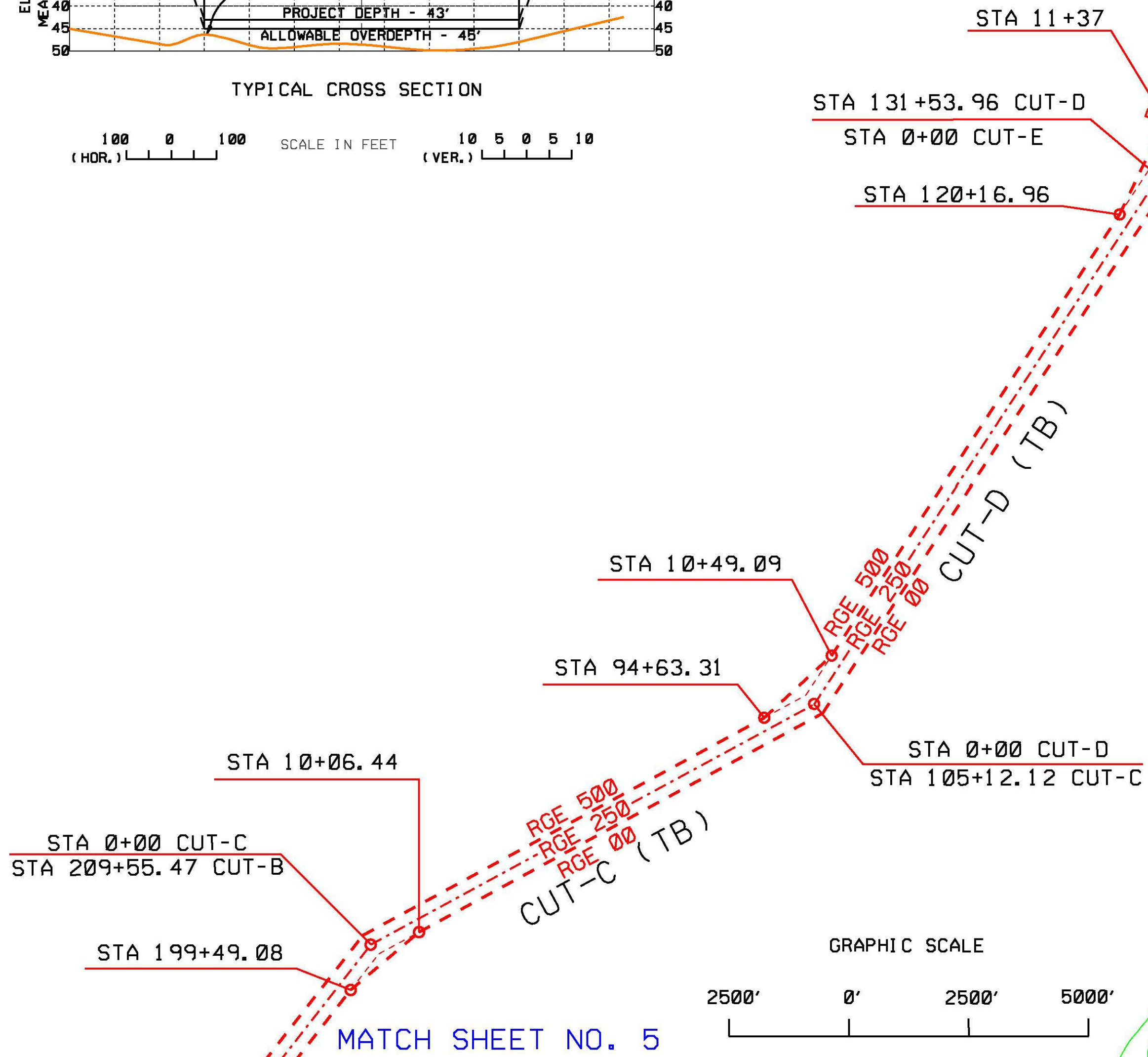
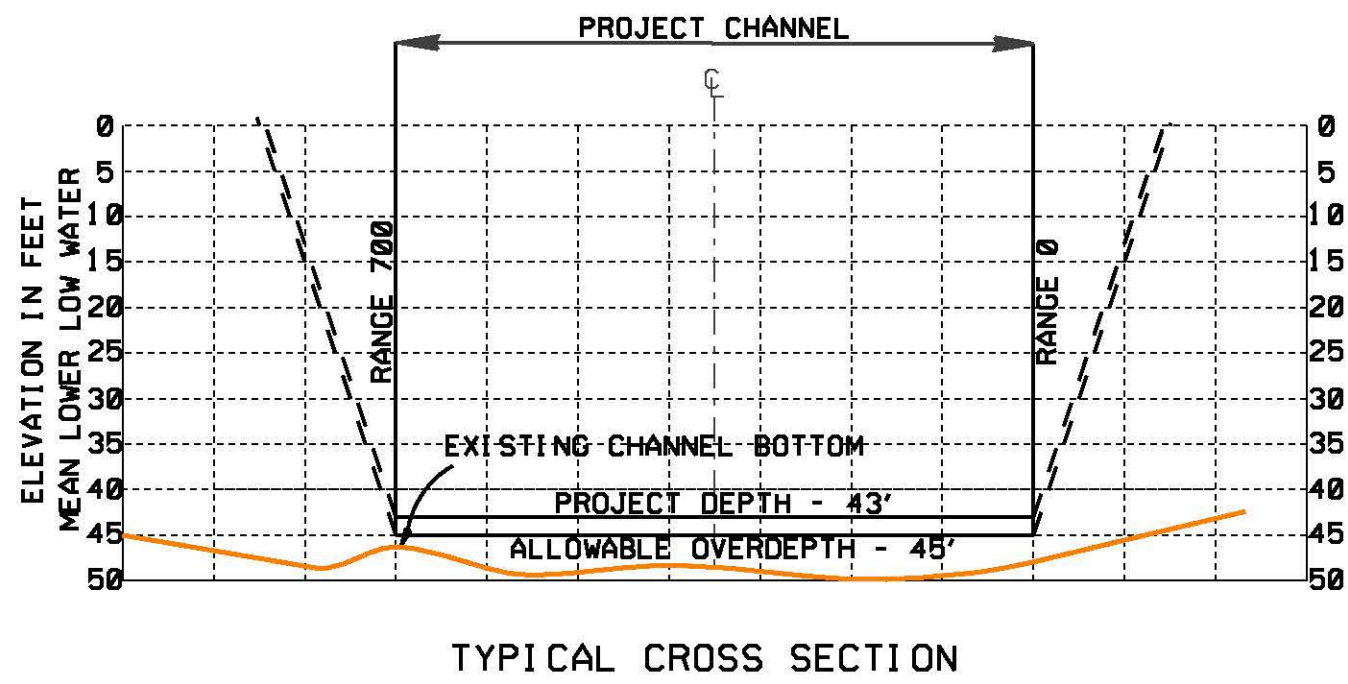
FROM CUT-A (TB) STA. 22+23
 TO CUT-B (TB) STA. 178+42

REV: MAR 2006	WQC DRAWING NO. 5
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GRAPHIC SCALE



MATCH SHEET NO. 7



U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

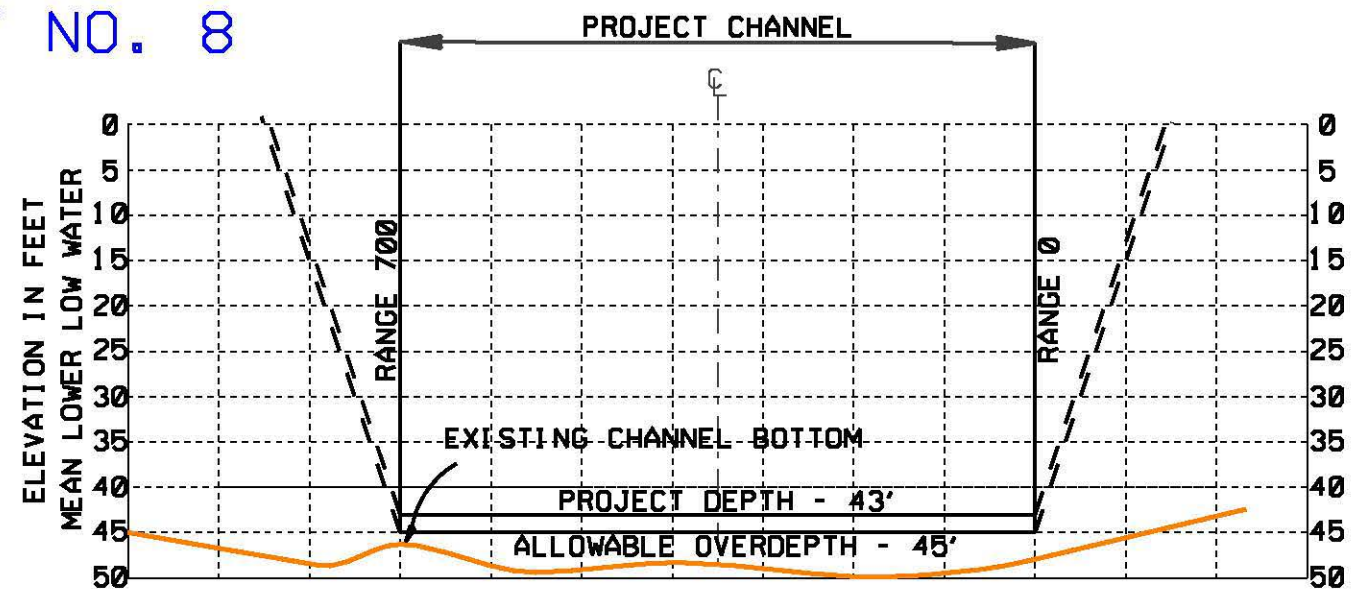
TAMPA BAY
COMPREHENSIVE MAINTENANCE DREDGING
WATER QUALITY CERTIFICATION
• 0157891-009-DF
HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA
FROM CUT-B STA. 178+42
TO CUT-E STA. 100+35

REV: MAR 2006 WOC DRAWING NO. 6

MATCH SHEET NO. 5

COCKROACH BAY

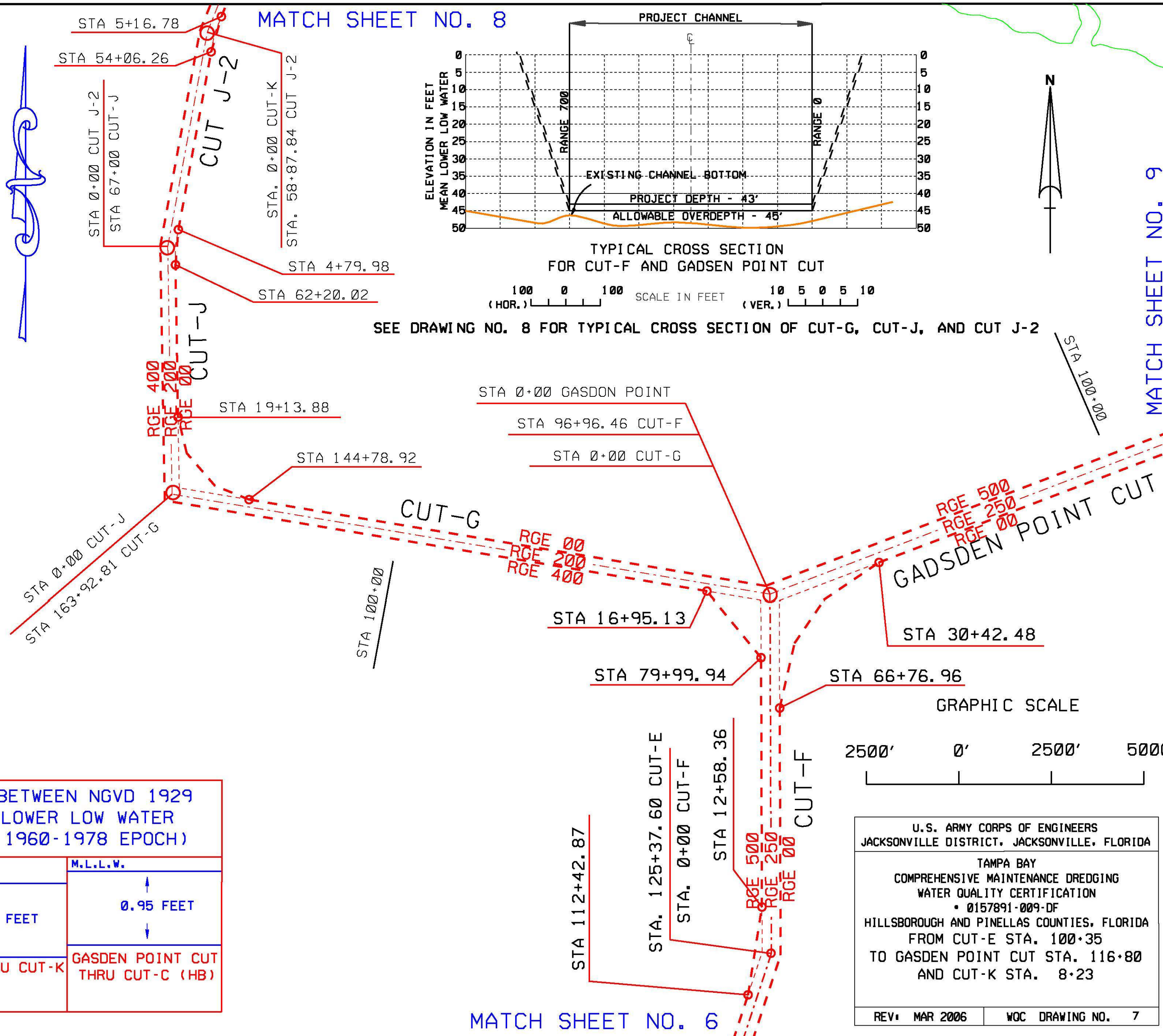
MATCH SHEET NO. 8



TYPICAL CROSS SECTION FOR CUT-F AND GADSDEN POINT CUT

100 0 100 SCALE IN FEET 10 5 0 5 10
(HOR.) (VER.)

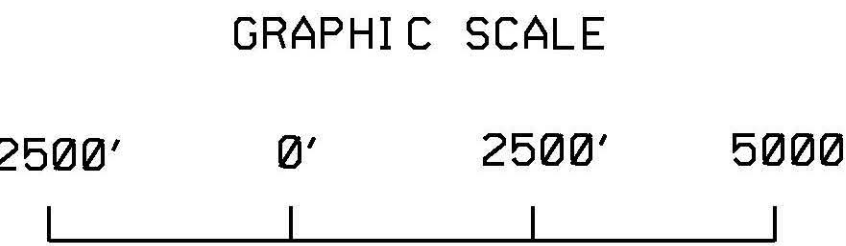
SEE DRAWING NO. 8 FOR TYPICAL CROSS SECTION OF CUT-G, CUT-J, AND CUT J-2



MATCH SHEET NO. 9

RELATIONSHIP BETWEEN NGVD 1929 AND NOAA MEAN LOWER LOW WATER TIDAL DATUM (1960-1978 EPOCH)

M.L.L.W.	M.L.L.W.	M.L.L.W.
↑ 0.79 FEET ↓	↑ 0.81 FEET ↓	↑ 0.95 FEET ↓
EGMONT CUT-1 THRU CUT-F	CUT-G THRU CUT-K	GADSDEN POINT CUT THRU CUT-C (HB)



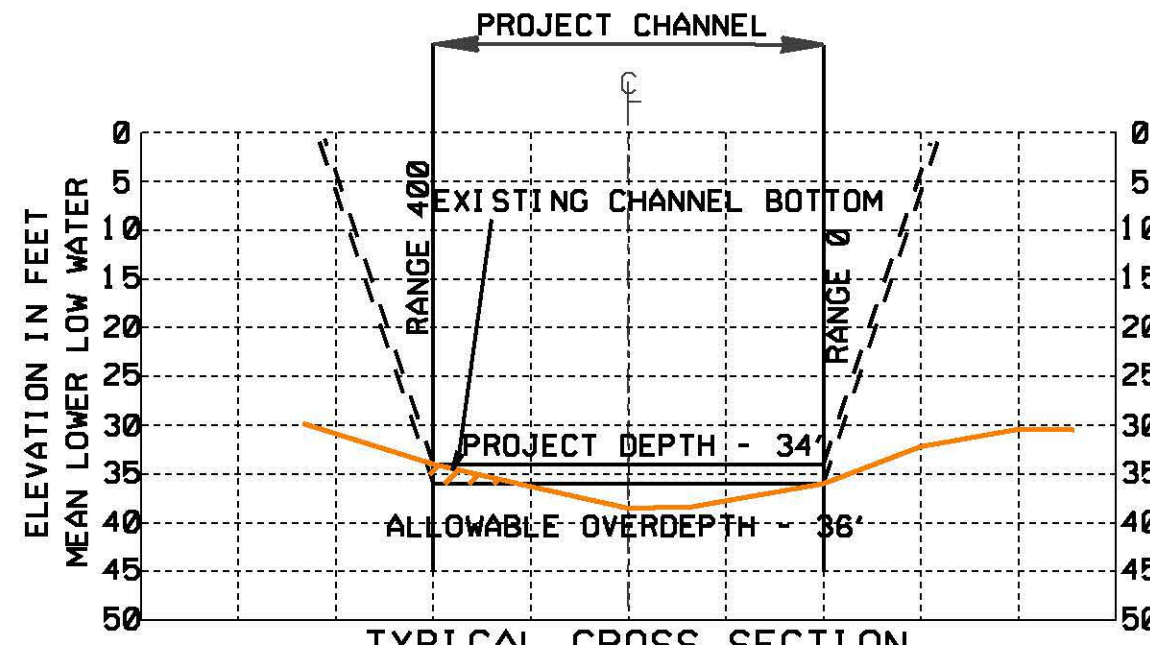
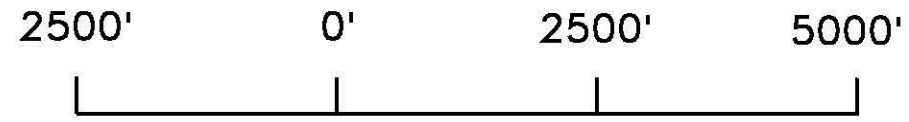
U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

TAMPA BAY
COMPREHENSIVE MAINTENANCE DREDGING
WATER QUALITY CERTIFICATION
• 0157891-009-DF
HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA
FROM CUT-E STA. 100+35
TO GASDEN POINT CUT STA. 116+80
AND CUT-K STA. 8+23

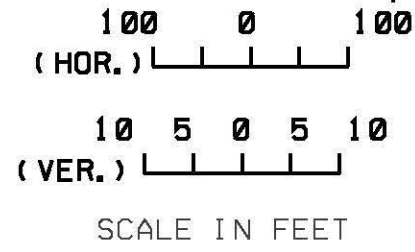
REV: MAR 2006 | WOC DRAWING NO. 7

MATCH SHEET NO. 6

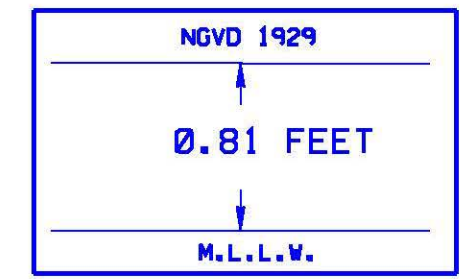
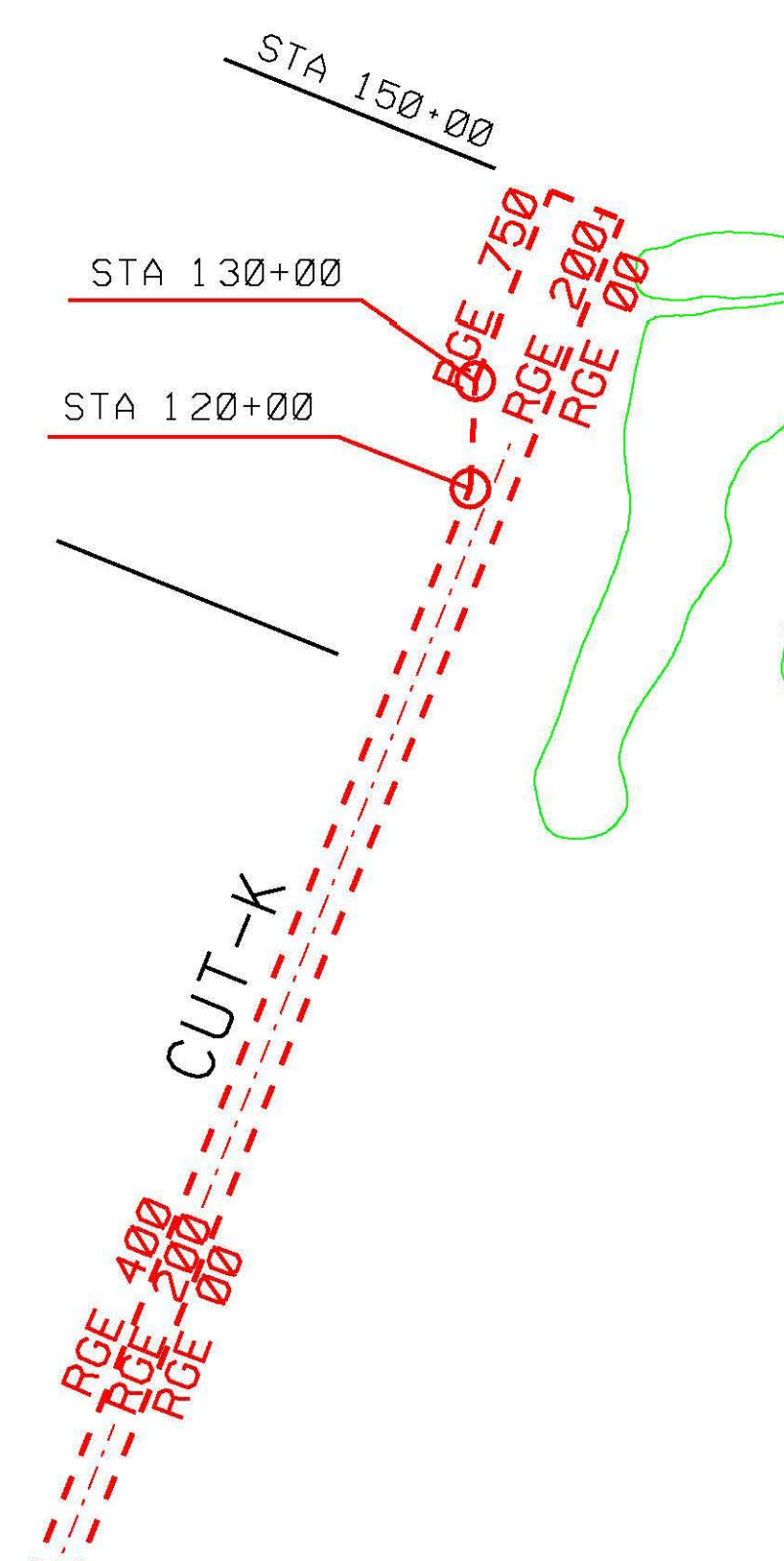
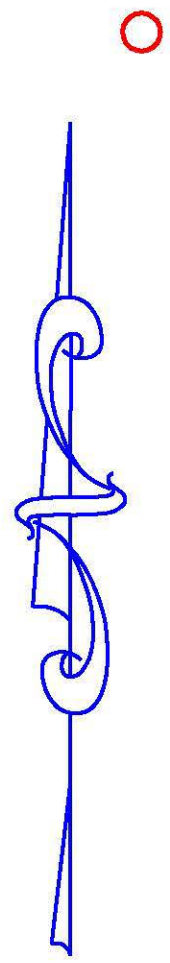
GRAPHIC SCALE



TYPICAL CROSS SECTION FOR CUT-G, CUT-J, CUT-J2 AND CUT-K



GANDY BRIDGE



RELATIONSHIP BETWEEN NGVD 1929 AND MEAN LOWER LOW WATER

U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

TAMPA BAY
 COMPREHENSIVE MAINTENANCE DREDGING
 WATER QUALITY CERTIFICATION
 • 0157891-009-DF
 HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA
 FROM CUT-K STA. 8+23
 TO CUT-K STA. 150+00

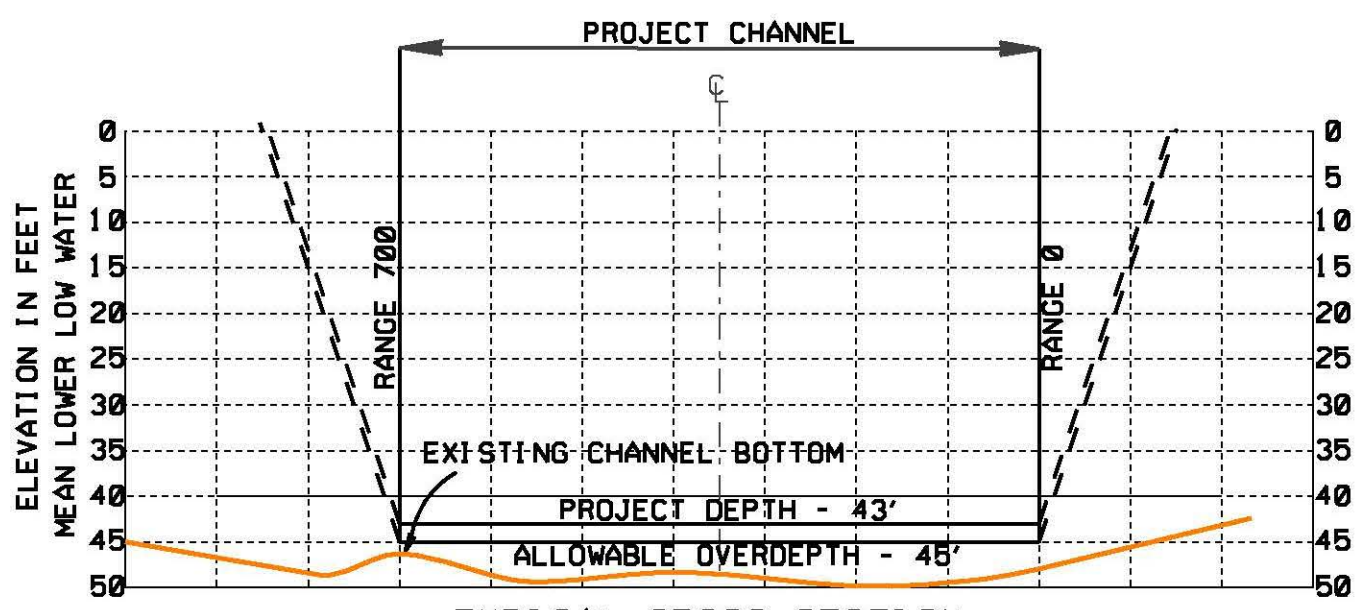
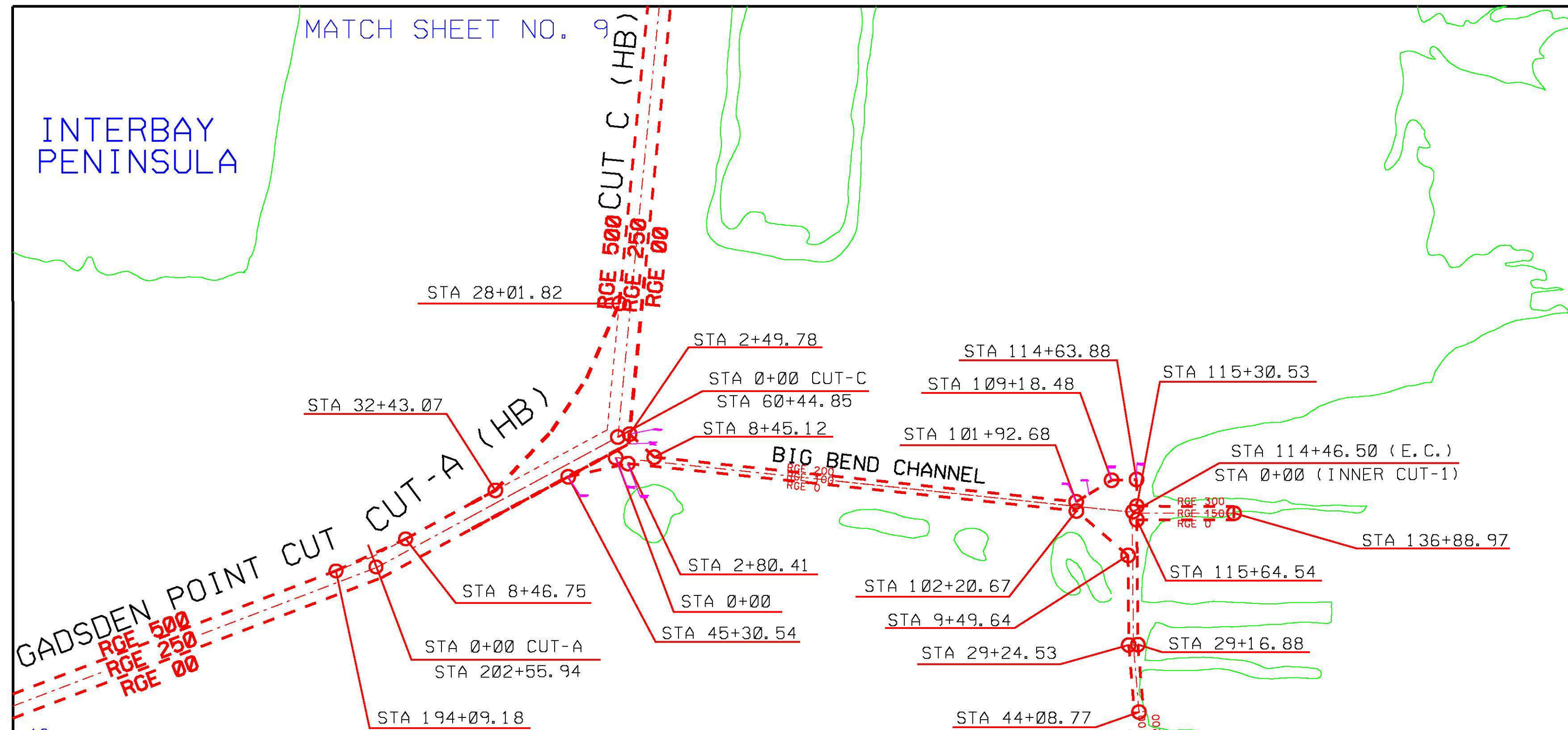
REV: MAR 2006	WQC DRAWING NO. 8
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MATCH SHEET NO. 7

INTERBAY PENINSULA

MATCH SHEET NO. 9

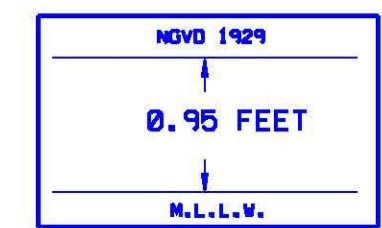
MATCH SHEET NO. 6



TYPICAL CROSS SECTION FOR CUT-A (HB) AND CUT-C (HB)

SCALE IN FEET (HOR.) 100 0 100 (VER.) 10 5 0 5 10

GRAPHIC SCALE



RELATIONSHIP BETWEEN NGVD 1929 AND MEAN LOWER LOW WATER

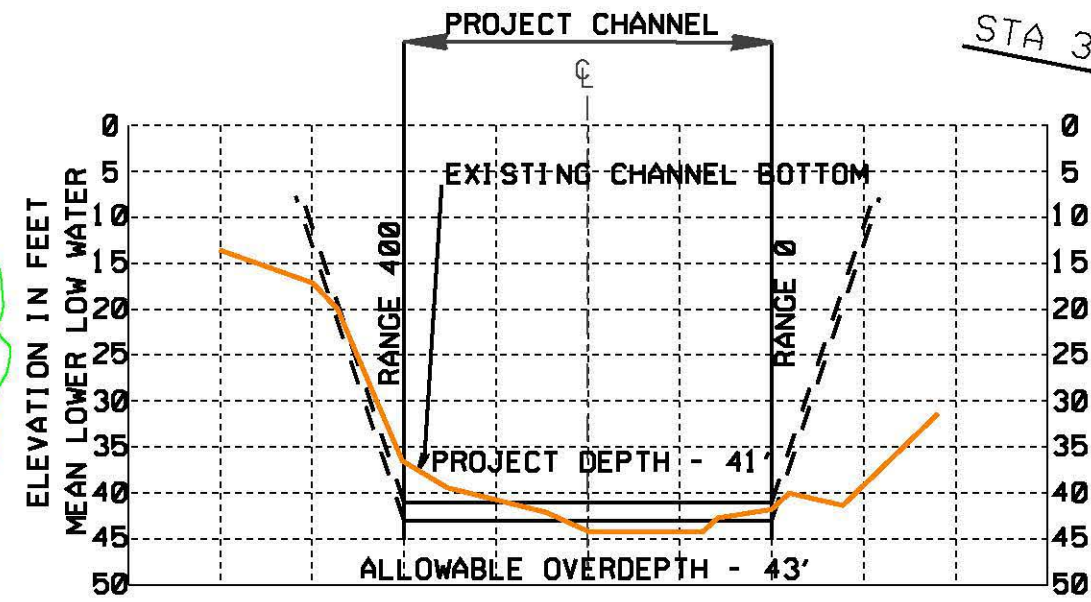
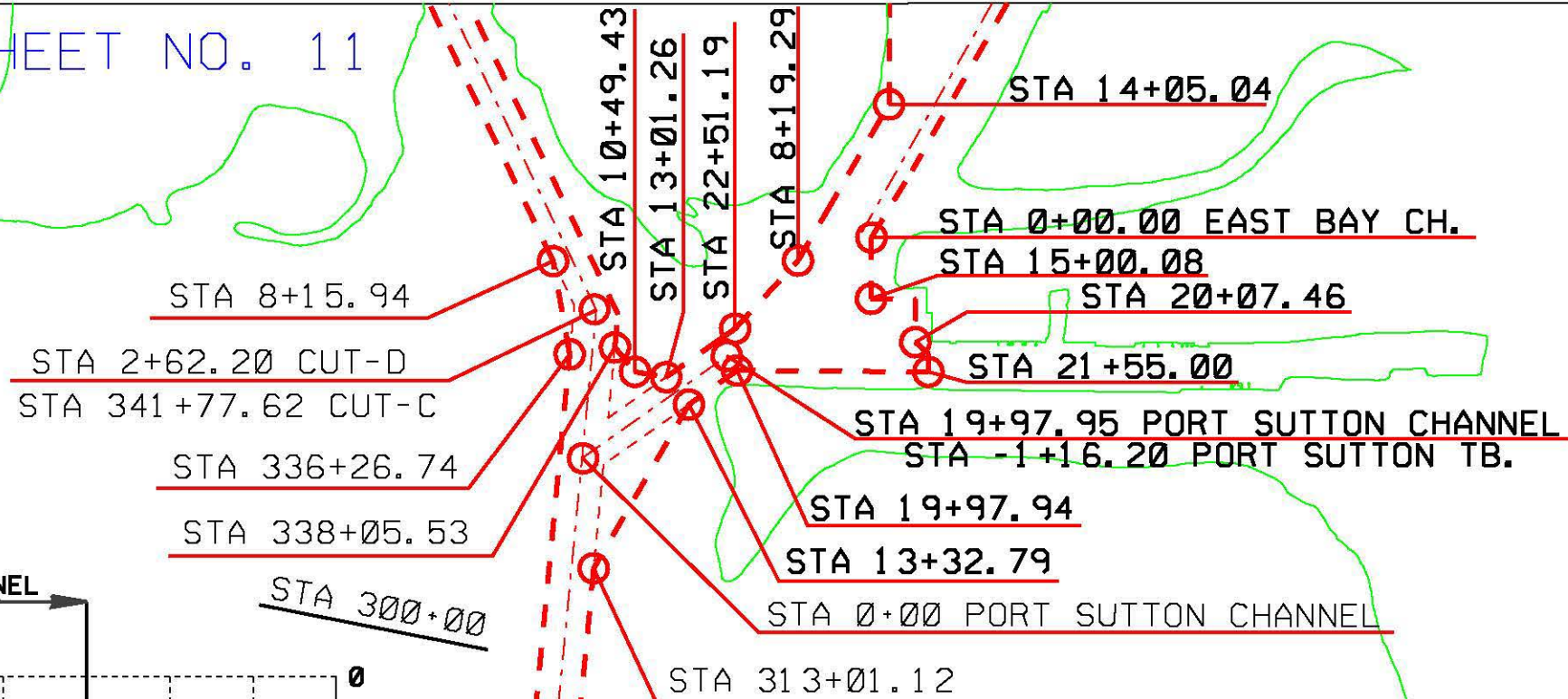
U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

TAMPA BAY
COMPREHENSIVE MAINTENANCE DREDGING
WATER QUALITY CERTIFICATION
• 0157891-009-DF
HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA
FROM GASDEN POINT CUT STA. 116+80
TO CUT-C (HB) STA. 95+36

REV: MAR 2006 WOC DRAWING NO. 9

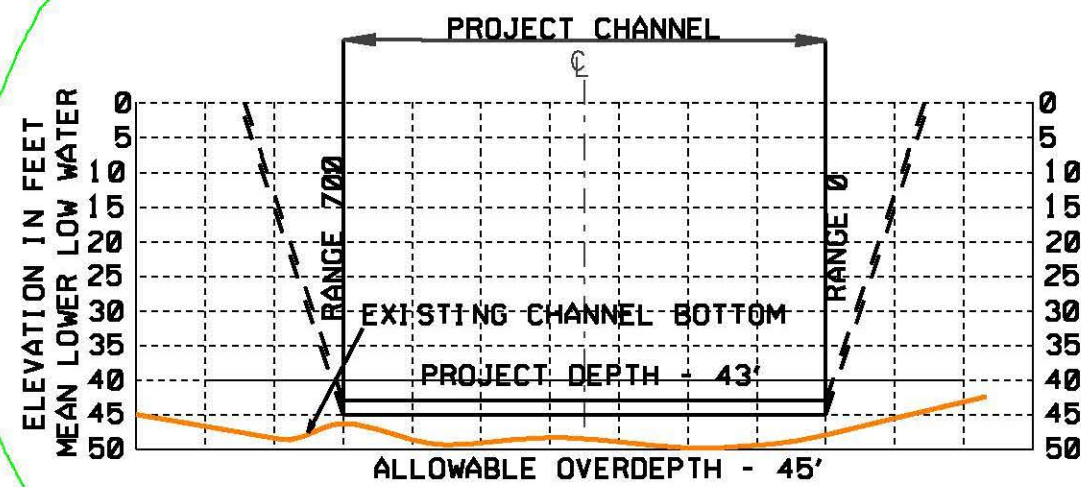
MATCH SHEET NO. 11

RELATIONSHIP BETWEEN NGVD 1929 AND NOAA MEAN LOWER LOW WATER TIDAL DATUM (1960-1978 EPOCH)	
M.L.L.W.	M.L.L.W.
↑	↑
0.95 FEET	0.99 FEET
↓	↓
GASDEN POINT CUT THRU CUT-C (HB)	CUT-D (HB) THRU YBOR, PORT SUTTON EAST BAY CHANNELS, AND SEDDON CHANNEL



TYPICAL CROSS SECTION FOR CUT-D (HB) STA. 2+62

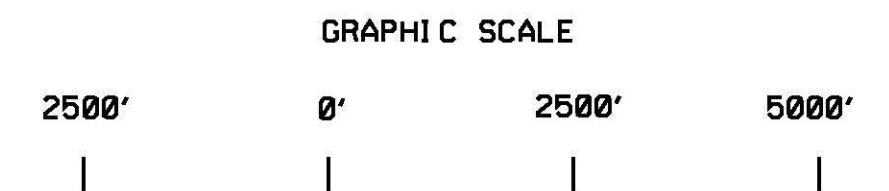
(HOR.) 100 0 100 (VER.) 10 5 0 5 10 SCALE IN FEET



TYPICAL CROSS SECTION FOR CUT-C (HB) AND PORT SUTTON CHANNEL AND TB

(HOR.) 100 0 100 (VER.) 10 5 0 5 10 SCALE IN FEET

CUT-C (HB)



INTERBAY PENINSULA

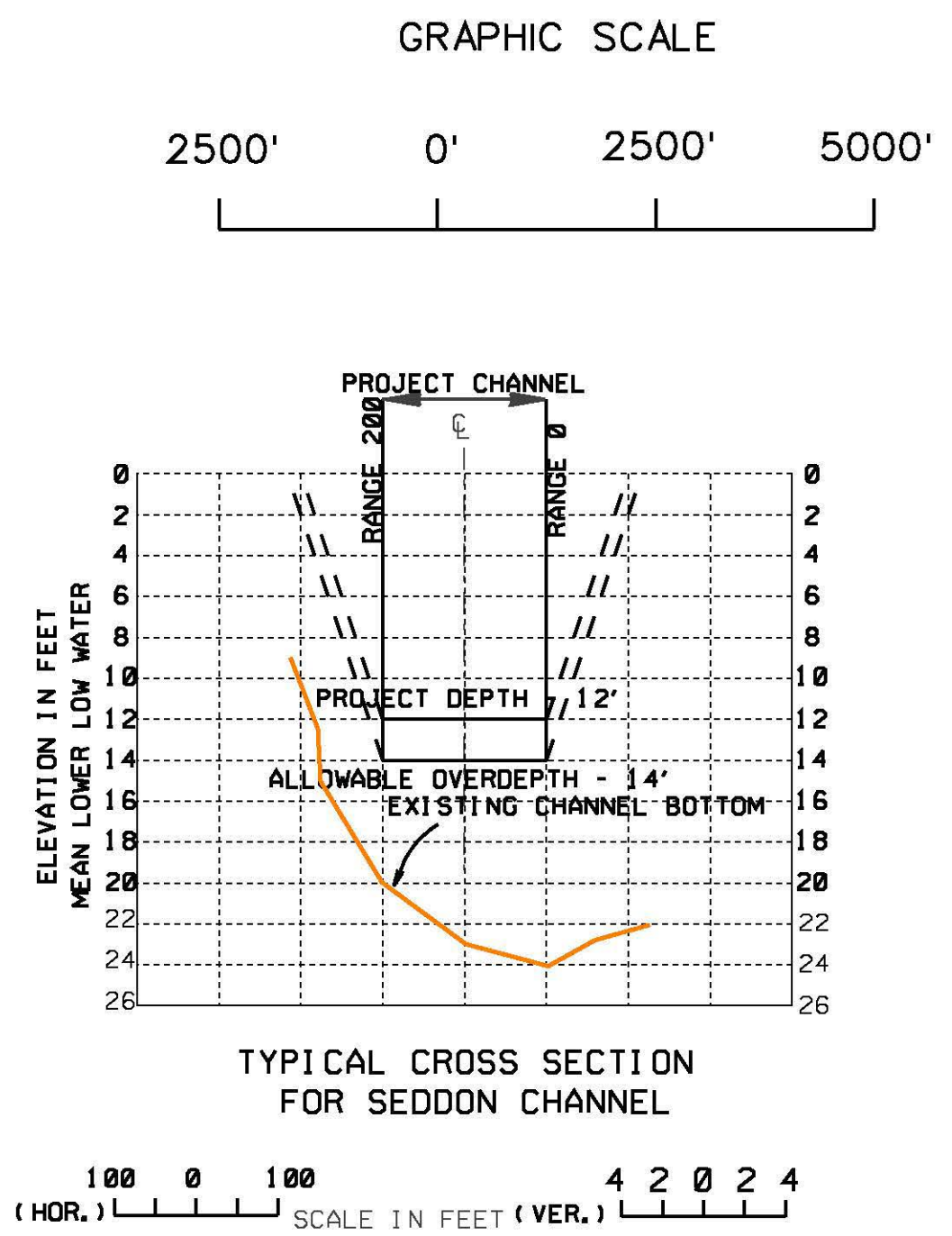
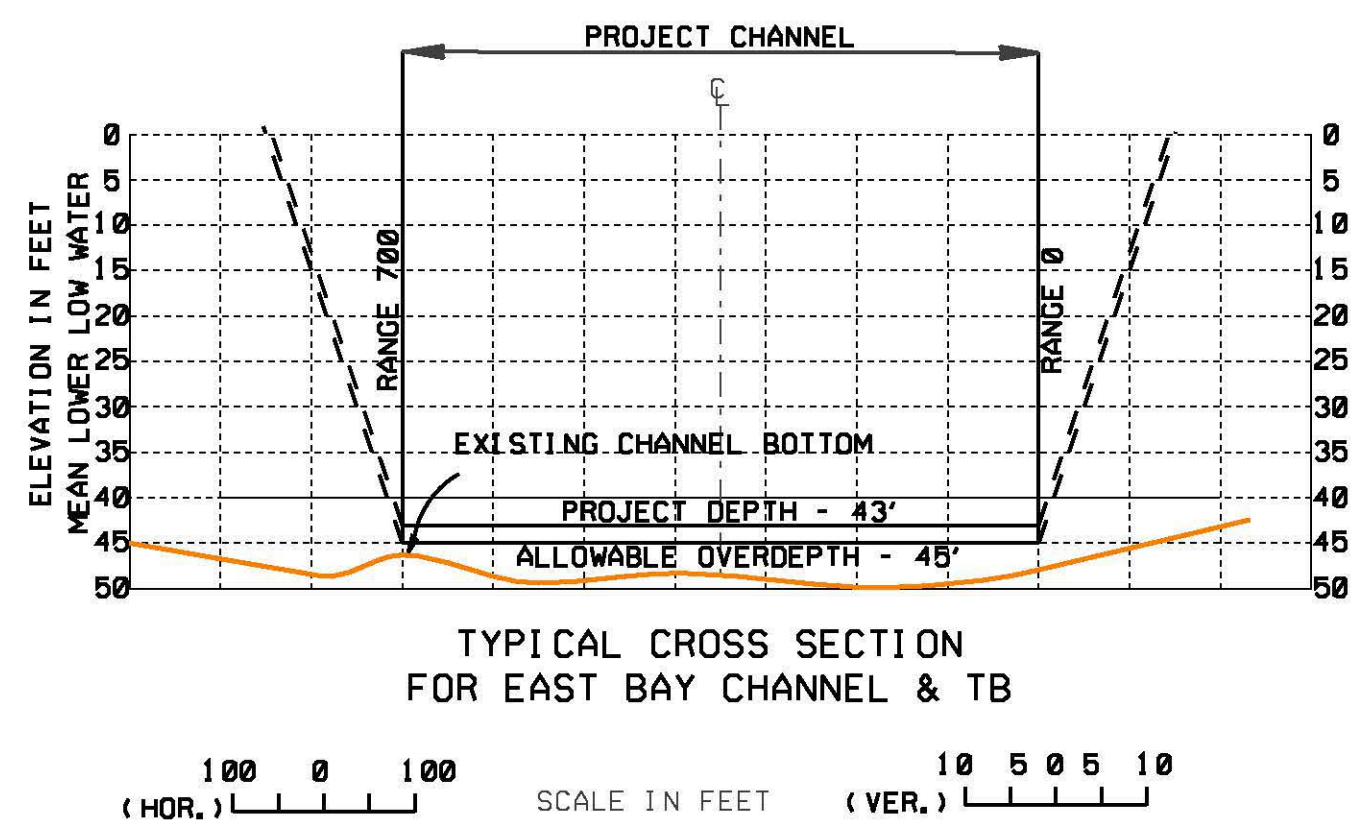
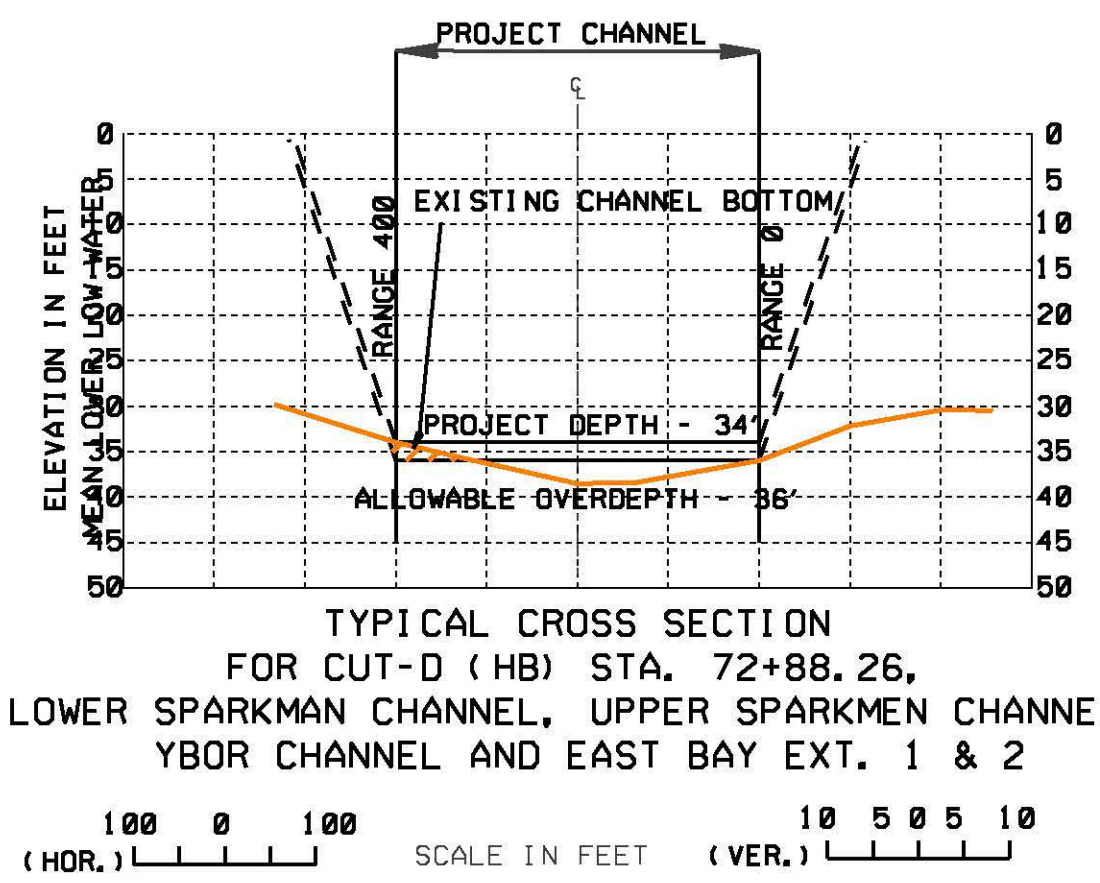
MATCH SHEET NO. 9

U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

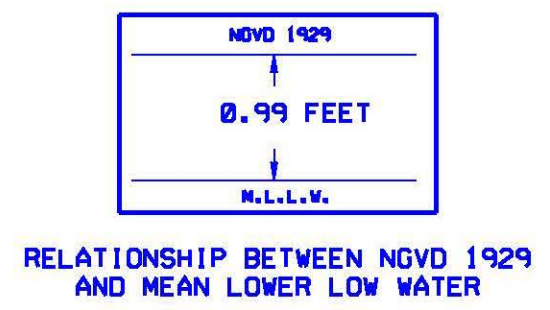
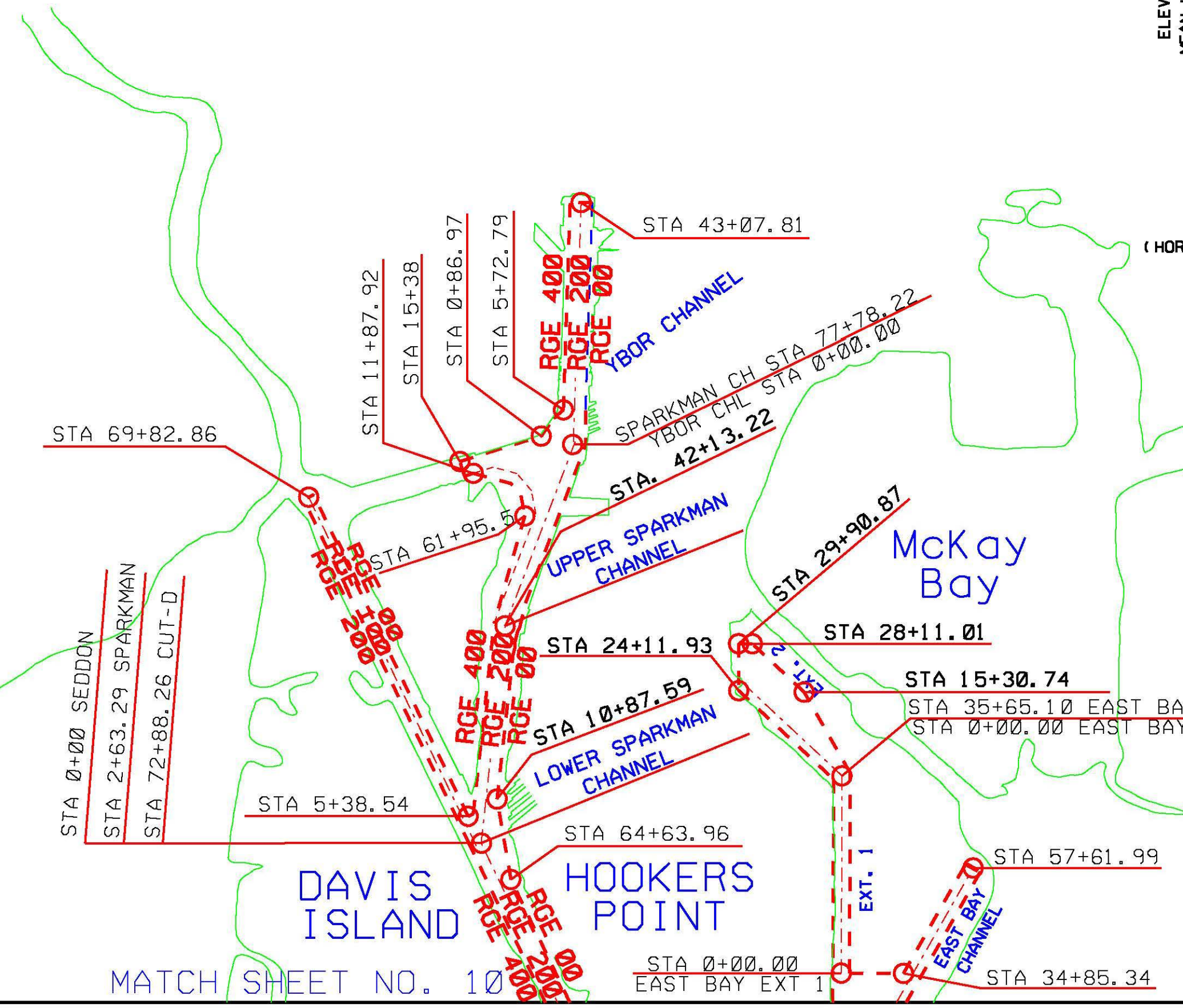
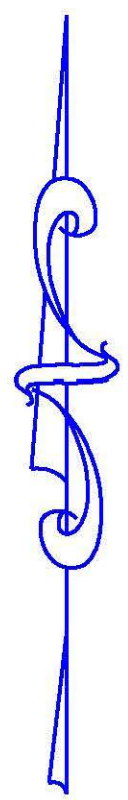
TAMPA BAY
 COMPREHENSIVE MAINTENANCE DREDGING
 WATER QUALITY CERTIFICATION
 • 0157891-009-DF
 HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA

FROM CUT-C (HB) STA. 95+36
 TO CUT D STA. 35+72,
 ALAFIA RIVER CHANNEL AND
 PART OF EAST BAY CHANNEL

REV. MAR 2006 WQC DRAWING NO. 10



GRAPHIC SCALE



U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

TAMPA BAY
 COMPREHENSIVE MAINTENANCE DREDGING
 WATER QUALITY CERTIFICATION
 • 0157891-009-DF
 HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA

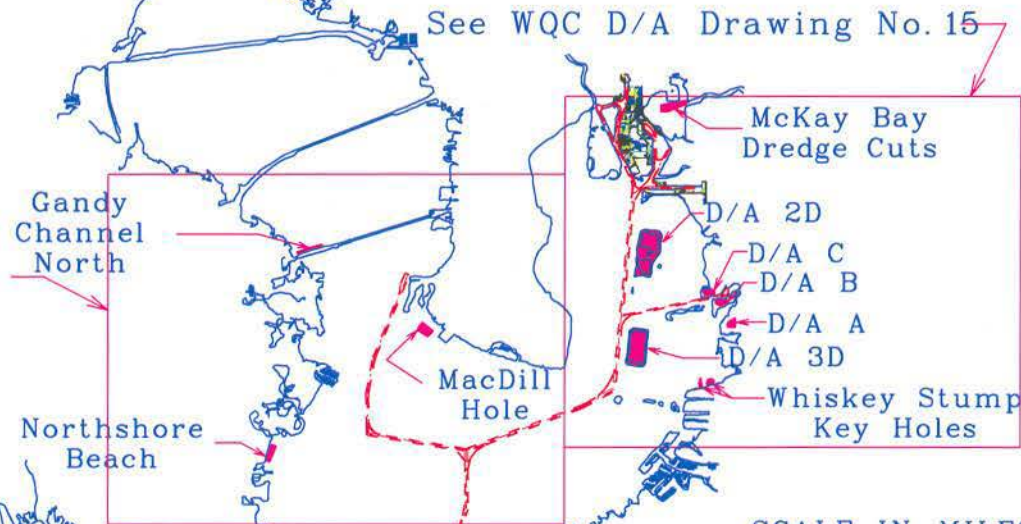
FROM CUT-D STA. 35+72
 TO END OF PROJECT

REV: MAR 2006 WQC DRAWING NO. 11

MATCH SHEET NO. 10



See WQC Drawing No. 14



See WQC D/A Drawing No. 15

SCALE IN MILES



 EPA Designated ODMDS

EPA ODMDS Site Coordinates	
27° 32' 27" N	83° 06' 02" W
27° 32' 27" N	83° 03' 46" W
27° 30' 27" N	83° 06' 02" W
27° 30' 27" N	83° 03' 46" W

Egmont Key Placement Area

See WQC D/A Drawing No. 13 for Egmont Key,

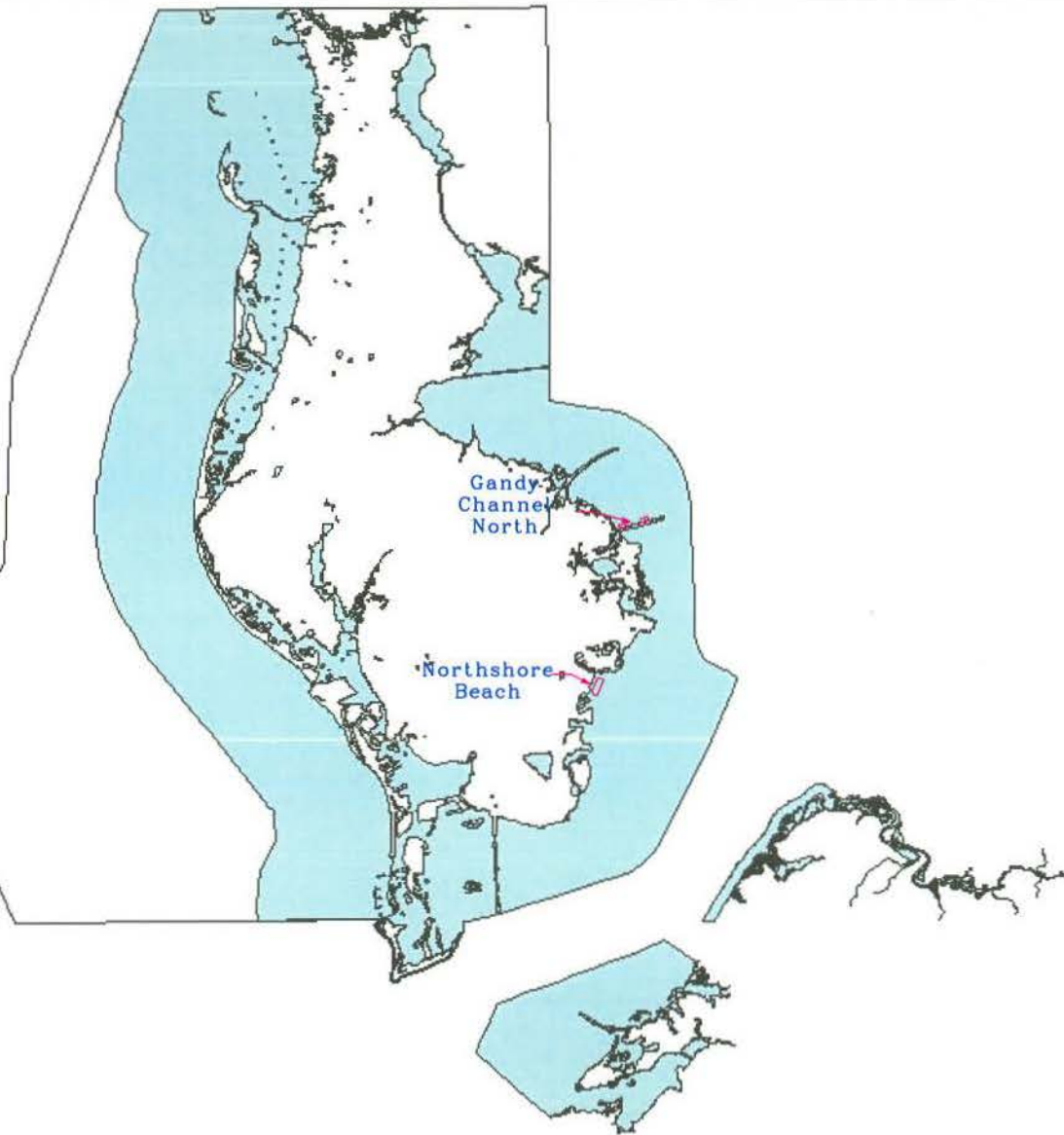
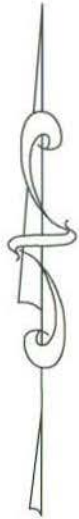
U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

TAMPA BAY
COMPREHENSIVE MAINTENANCE DREDGING
WATER QUALITY CERTIFICATION
* 0157891-009-DF
HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA

LOCATION MAP OF
PLACEMENT SITES

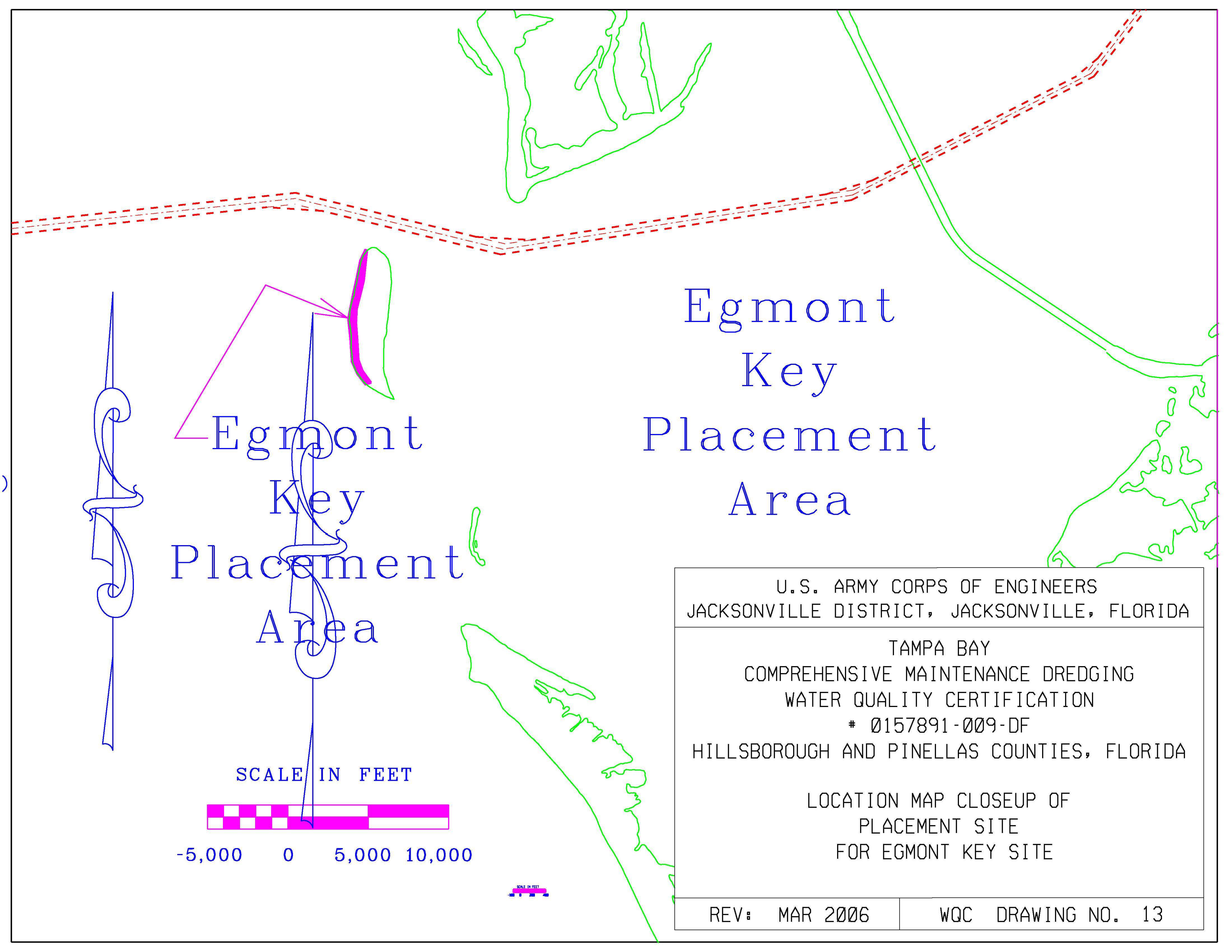
REV: APR 2006

WQC DRAWING NO. 12



LIMITS OF ACQUATIC PRESERVE 

U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA	
TAMPA BAY COMPREHENSIVE MAINTENANCE DREDGING WATER QUALITY CERTIFICATION • 0157891-009-DF HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA	
LOCATION MAP OF PINELLAS COUNTY ACQUATIC PRESERVE AND PLACEMENT SITES WITHIN PRESERVE	
REV: MAR 2006	WOC DRAWING NO. 12 A



Egmont Key Placement Area

Egmont
Key
Placement
Area

SCALE IN FEET



U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

TAMPA BAY
COMPREHENSIVE MAINTENANCE DREDGING
WATER QUALITY CERTIFICATION
0157891-009-DF
HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA

LOCATION MAP CLOSEUP OF
PLACEMENT SITE
FOR EGMONT KEY SITE

REV: MAR 2006

WQC DRAWING NO. 13

Gandy Channel
North

Northshore
Beach

SCALE IN FEET



-5,000 0 5,000 10,000

MacDill
Hole

U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

TAMPA BAY
COMPREHENSIVE MAINTENANCE DREDGING
WATER QUALITY CERTIFICATION
• 0157891-009-DF
HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA

LOCATION MAP CLOSEUP OF
PLACEMENT SITES
FOR GANDY, NORTHSHORE
AND MACDILL SITES

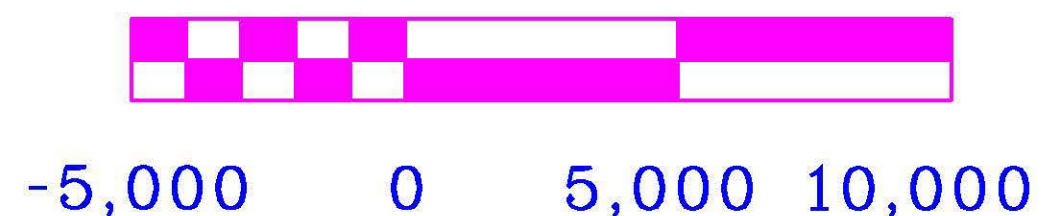
REV: MAR 2006

WQC DRAWING NO. 14

McKay Bay (Old) Dredge Cuts

D/A 2D

SCALE IN FEET



D/A C

D/A B

D/A A

BIRD (SUNKEN)
ISLAND

D/A 3D

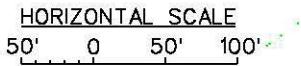
Whiskey
Stump
Key
Holes

U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

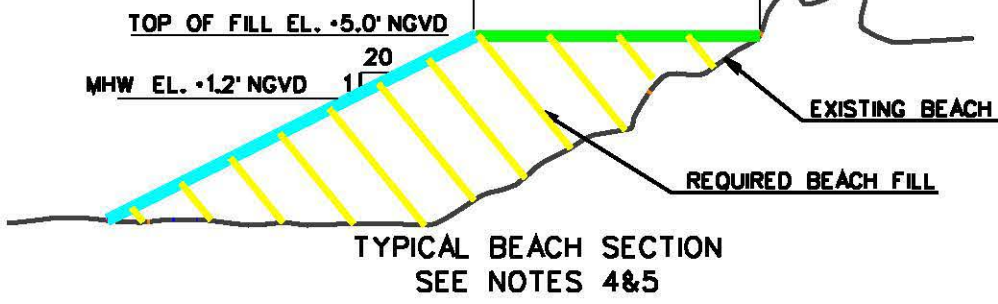
TAMPA BAY
COMPREHENSIVE MAINTENANCE DREDGING
WATER QUALITY CERTIFICATION
* 0157891-009-DF
HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA
LOCATION MAP CLOSEUP OF
PLACEMENT SITES
FOR MACKAY BAY, D/A A, B, C, 2D, & 3D,
BIRD (SUNKEN) ISLAND AND
WHISKEY STUMP KEY

REV: MAR 2006

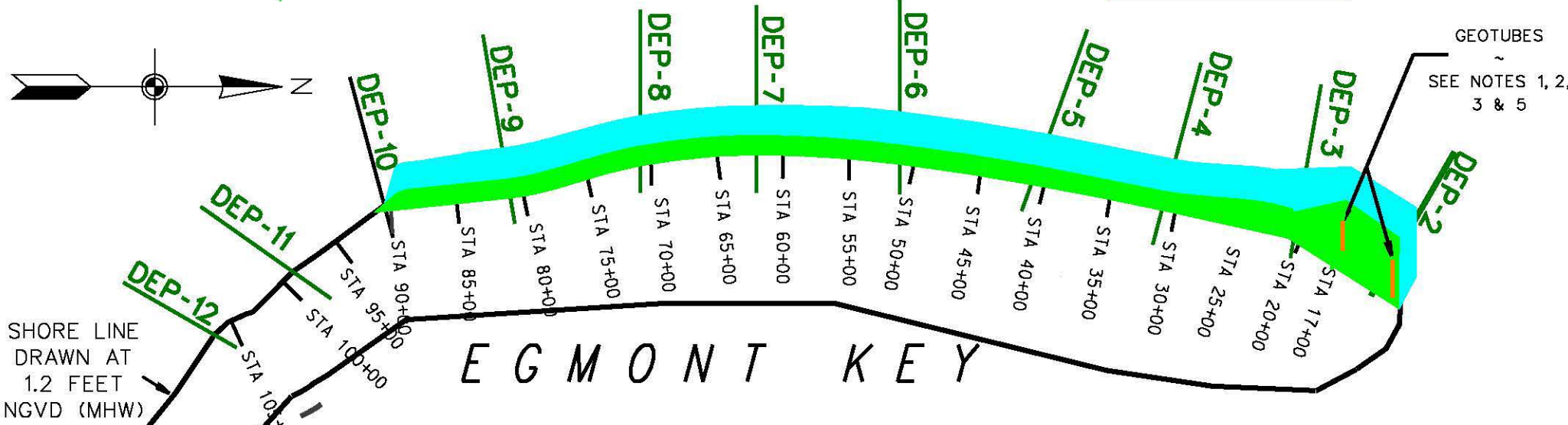
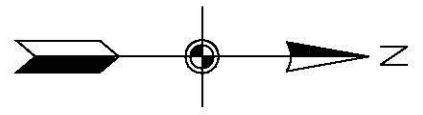
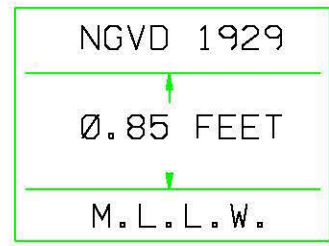
WQC DRAWING NO. 15



BERM WIDTH VARIES FROM 200 ~ 350 FT



RELATIONSHIP BETWEEN NGVD 1929 AND 1978 NOAA MEAN LOWER LOW WATER (MLLW) TIDAL DATUM



SHORE LINE DRAWN AT 1.2 FEET NGVD (MHW)

LIMITS OF BEACH FILL
EXISTING GEOTUBES

- NOTES:
1. GEOTUBE DRAWING NOT TO SCALE.
 2. LOCATION OF GEOTUBES PLACED IN 2002 AND SCHEDULED FOR COMPLETE REMOVAL IN 2006.
 - A. LENGTH = 290 FT X = 409,148 Y = 1,189,012
 - AZIMUTH = 90 DEG X = 409,438 Y = 1,189,012
 - B. LENGTH = 210 FT X = 408,947 Y = 1,188,642
 - AZIMUTH = 90 DEG X = 409,157 Y = 1,188,642
 3. REPLACEMENT GEOTUBES (LENGTH = 300 FT) TO BE INSTALLED IN 2006.
 4. MAXIMUM BEACH PLACEMENT QUANTITY APPROXIMATELY 2,000,000 CY PER EVENT.
 5. BERM WIDTH VARIES FROM 200 FT TO A MAXIMUM OF 350 FT AT GEOTUBE LOCATION.

U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

TAMPA BAY
COMPREHENSIVE MAINTENANCE DREDGING
WATER QUALITY CERTIFICATION
 • 0157891-009-DF

HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA
MODIFICATIONS TO BEACH PLACEMENT AREA
PLAN VIEW & CROSS SECTIONS
& GEOTUBE LOCATION AT EGMONT KEY

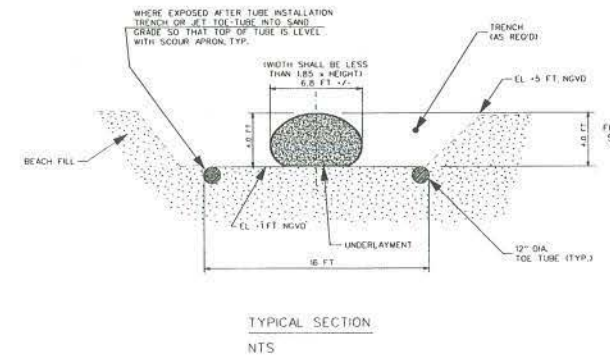
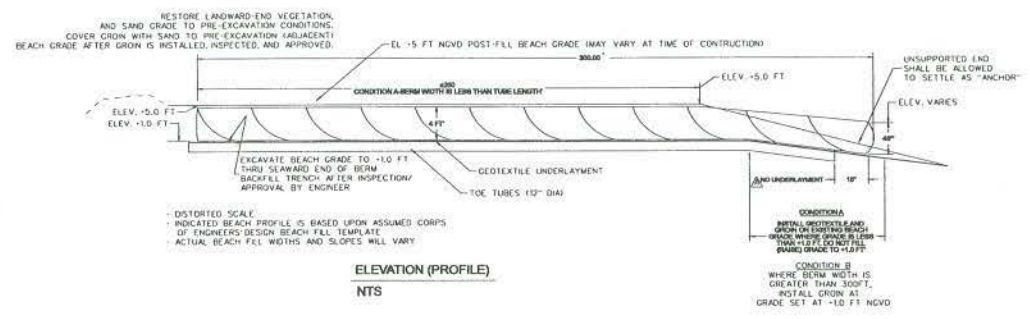
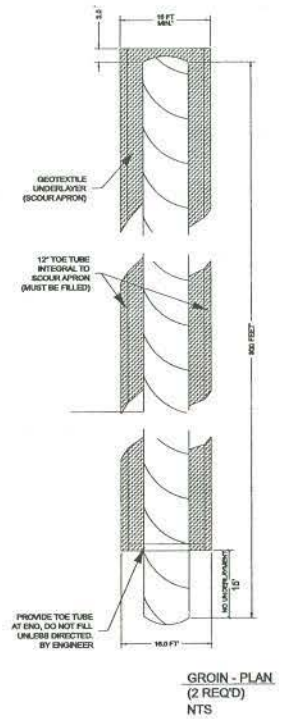
REV: JUL 2006 WQC Drawing 16

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BUREAU OF BEACHES AND COASTAL SYSTEMS

US Army Corps of Engineers
JACKSONVILLE DISTRICT
SAFETY ON THIS JOB
DEPENDS ON YOU



- NOTES:**
1. REFER TO DWG. NO. 01002 FOR VELOCITY, LOCATIONS, MAPS, LEGEND AND GENERAL NOTES.
 2. REFER TO DWG. NO. CN 101 FOR CHANNEL SURVEY NOTES.
 3. REFER TO DWG. NOS. CN 157, CN 158, CN 159 AND CN 162 FOR BEACH PLACEMENT PLAN, SECTION AND CONTROL DATA.
 4. REFER TO DWG. NOS. CN 440 AND CN 441 FOR GEOTUBE PLAN, PROFILE AND SECTION.
 5. GEOTUBE DESIGN AND DETAILS PROVIDED BY OLSEN ASSOCIATES, INC., JACKSONVILLE, FL.

10 9 8 7 6 5 4 3 2 1

14.275-032 (DRAFT) CH-4-1-001
 Revision No. 1
 Date 04/14/06
 15 (04/14/06) 4-6104

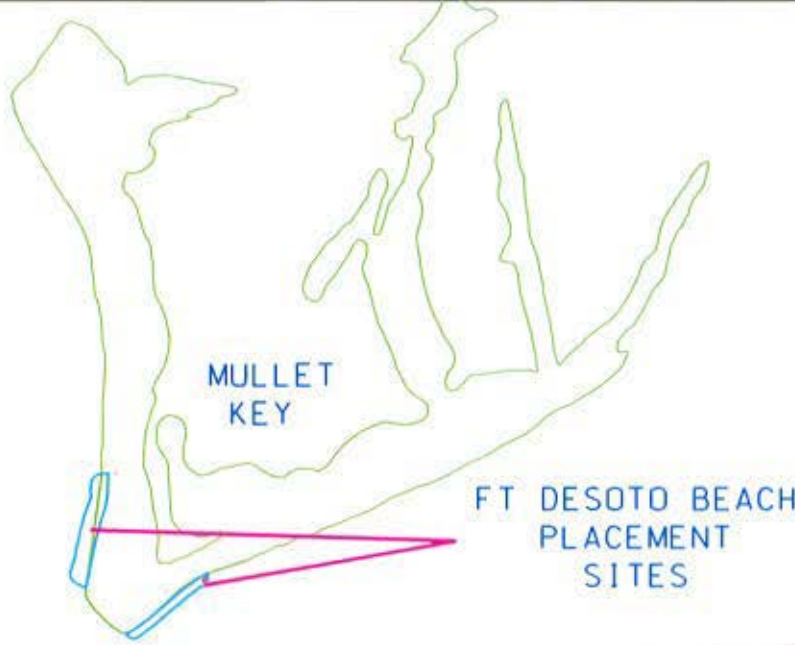
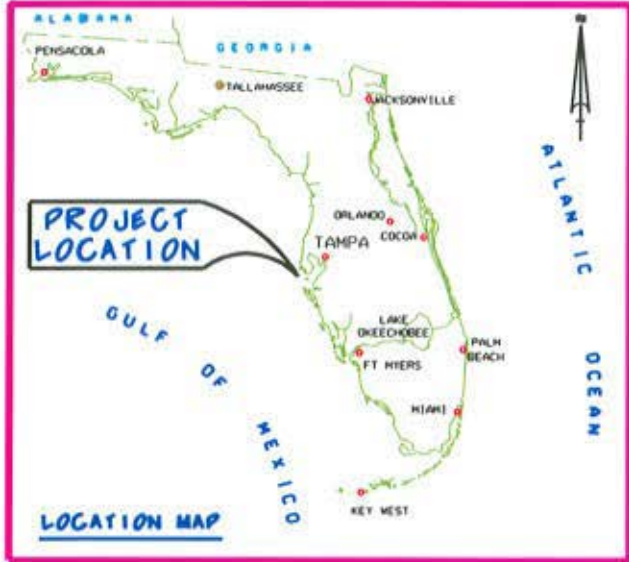
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 Revision No.
 Date 04/14/06

DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

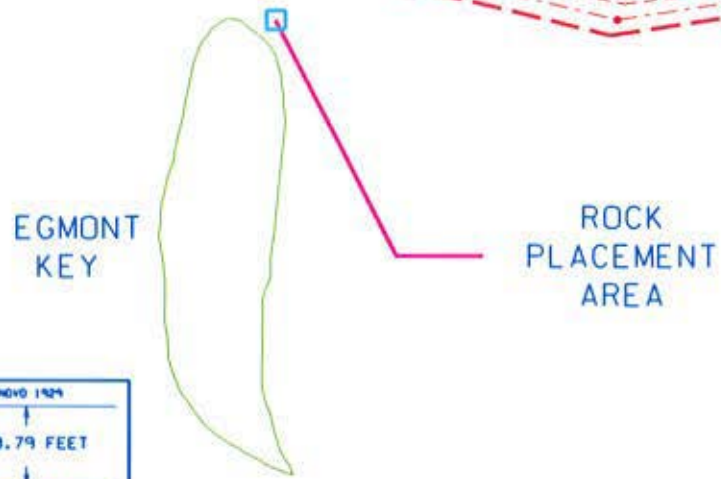
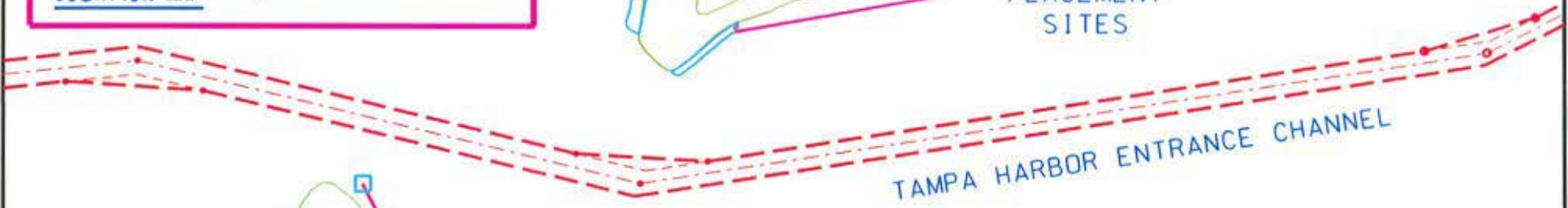
Scale AS SHOWN
 Drawing No.

FLORIDA
 MAINTENANCE DREDGING
 4.5-FOOT-LEGWONT CHANNEL CUTS 1 AND 2
 4.3-FOOT MULLET KEY CHANNEL
 CHNL
 GEOTUBE PLAN, PROFILE AND SECTION

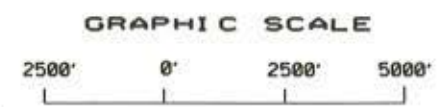
WQC Drawing 17



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 BUREAU OF BEACHES
 AND COASTAL SYSTEMS



TAMPA HARBOR ENTRANCE CHANNEL



NOV 1929
 0.79 FEET
 M.L.L.W.
 RELATIONSHIP BETWEEN NOV 1929
 AND MEAN LOWER LOW WATER

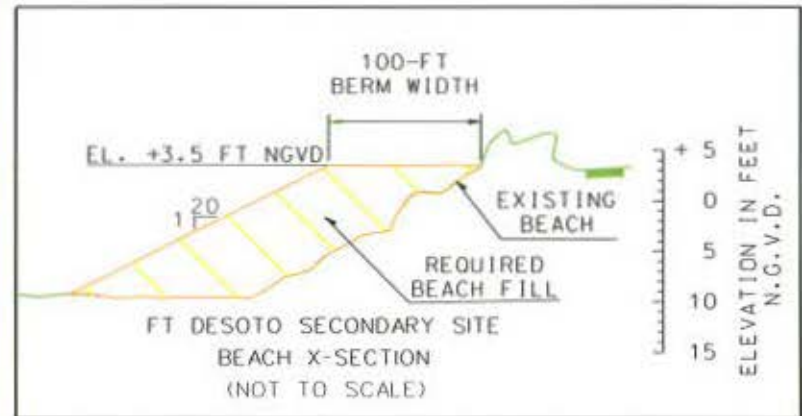
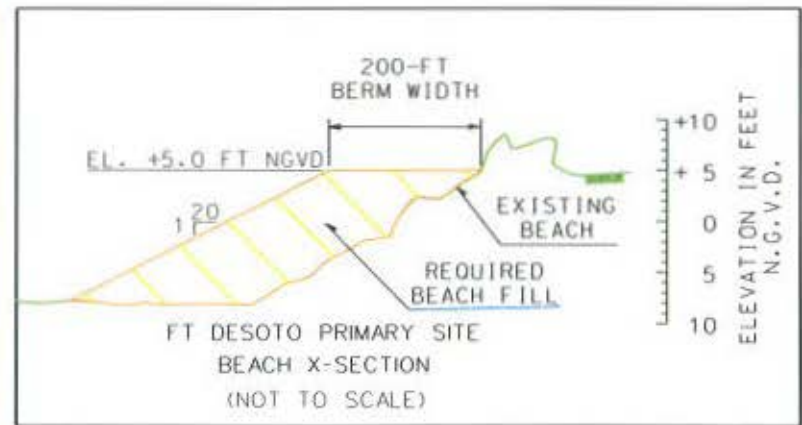
POINT	COORDINATES	
	X	Y
NW	253,690.83	1,189,431.35
SW	253,690.83	1,189,031.35
NE	254,090.83	1,189,431.35
SE	254,090.83	1,189,031.35
CENTER	253,884.00	1,189,229.00

U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA
 MODIFICATION TO TAMPA BAY
 COMPREHENSIVE MAINTENANCE DREDGING
 WATER QUALITY CERTIFICATION
 • 0157091-009-0F
 HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA
 LOCATION MAP
 FT DESOTO BEACH PLACEMENT SITES
 AND ROCK PLACEMENT AREA
 REV: APR 2006 WQC Drawing 18

01/20/2007 08:50:11 AM 4/19/2006 10:00:13 AM



Monument ID	Coordinates	
	X	Y
T-177	418,040	1,195,502
T-177	418,040	1,195,502
R-178	417,989	1,194,481
R-179	417,622	1,193,573
"MKBE-9"	417,579	1,193,071
R-180	417,519	1,192,514
R-181	418,220	1,192,345
T-182	418,911	1,193,055
T-183	419,857	1,193,607



U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT, JACKSONVILLE, FLORIDA

MODIFICATION TO TAMPA BAY
 COMPREHENSIVE MAINTENANCE DREDGING
 WATER QUALITY CERTIFICATION
 • 0157891-009-DF
 HILLSBOROUGH AND PINELLAS COUNTIES, FLORIDA
 FT DESOTO/MULLET KEY
 PLAN VIEW & CROSS SECTIONS
 PRIMARY & SECONDARY SITES

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BUREAU OF BEACHES
 AND COASTAL SYSTEMS

REV: APR 2006 WQC Drawing 19