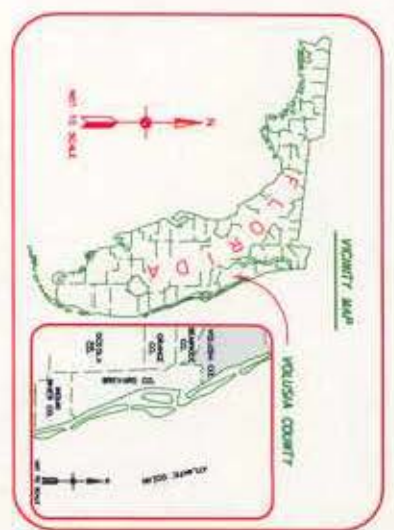
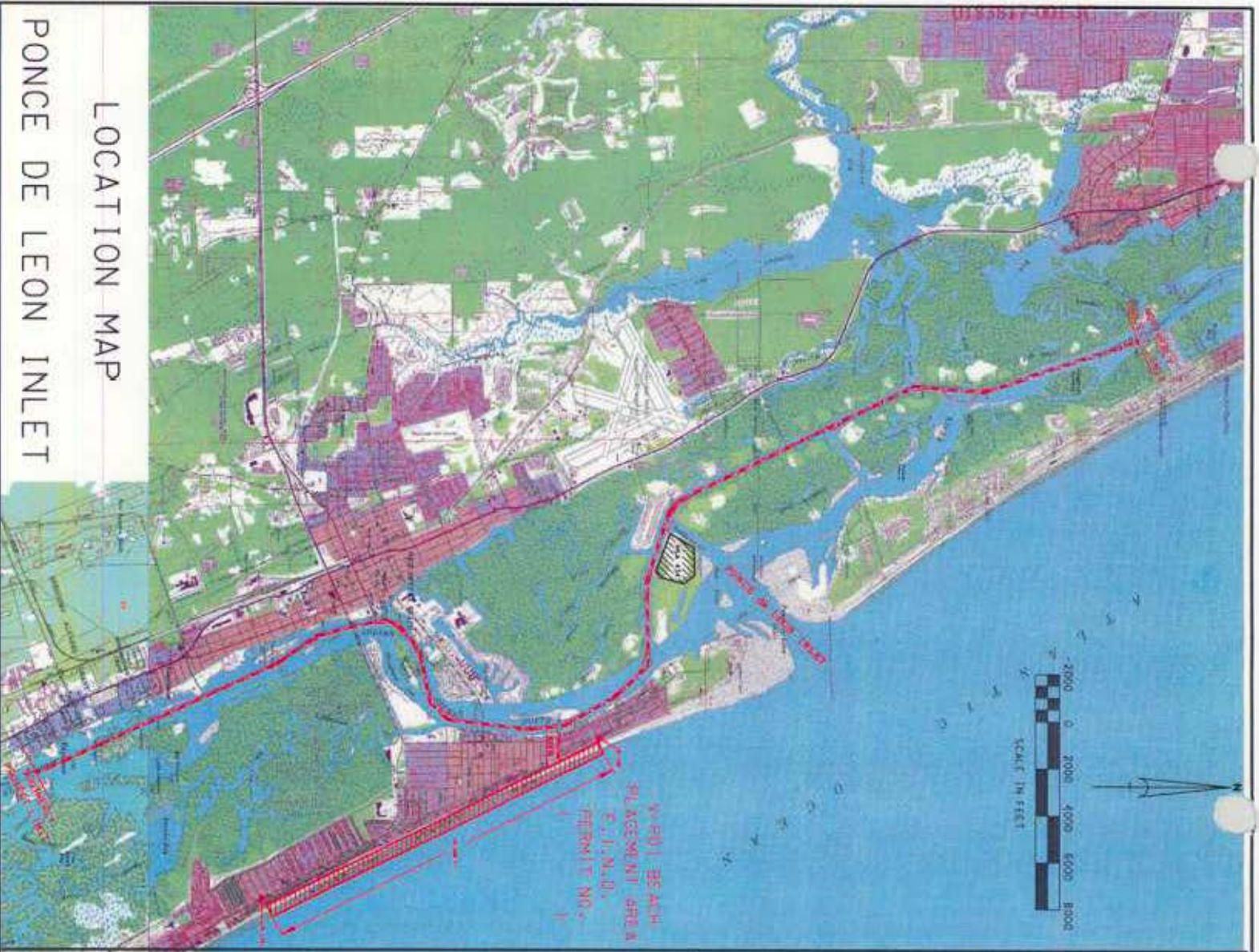


PONCE DE LEON INLET

LOCATION MAP



VOLUME SUMMARY BY CUT (CY)
 12' - 14' - TOTAL
 AVERAGE DISTANCE TO SOUTH BEACH (FEET)

CUT	12'	14'	TOTAL	AVERAGE DISTANCE TO SOUTH BEACH (FEET)
V-22	17,600	23,905	41,505	31,000
V-23	56,198	33,716	89,914	25,600
V-24	60,948	92,957	153,905	21,600
V-25	19,191	8,583	27,774	14,000
V-26	15,692	32,613	48,305	11,800
V-27	10,408	16,004	26,412	9,200
V-28	13,906	13,906	27,811	6,000
V-29	2,601	4,932	7,533	3,700
V-30	1,284	7,470	8,754	1,800
V-31	1,634	16,365	17,999	4,700
V-32	1,806	5,040	6,846	6,600
V-33	37,465	24,584	62,049	8,500
V-34	5,160	4,454	9,614	9,800
V-35	4,063	8,228	12,291	10,700
V-36	11,895	15,638	27,533	13,000
V-37	605	2,068	2,673	15,000
V-38	42,570	55,525	98,095	21,600
V-39	15,864	50,717	66,581	35,100
V-40	17,937	31,272	49,209	42,000

SEDIMENT BASIN (V-23) 110,000 CY
 SEDIMENT BASIN (V-26) 40,000 CY
 * DOES NOT INCLUDE DISTANCE ALONG BEACH - UP TO 15,600 FT

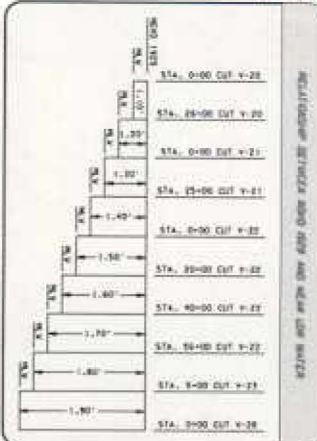
INDEX OF DRAWINGS (11 SHEETS)

- 1 LOCATION MAP
- 2 CONTROL DATA SHEET
- 3 CONTROL DATA SHEET
- 4 CONTROL DATA SHEET
- 5 --DELETED--
- 6 SOUTH BEACH PLACEMENT AREA
- 7 TYPICAL CHANNEL CROSS-SECTION
- 8 V-23 SEDIMENT BASIN
- 9 V-24 SEDIMENT BASIN
- 10 V-26 SEDIMENT BASIN
- 11 CORE BORING LOCATIONS

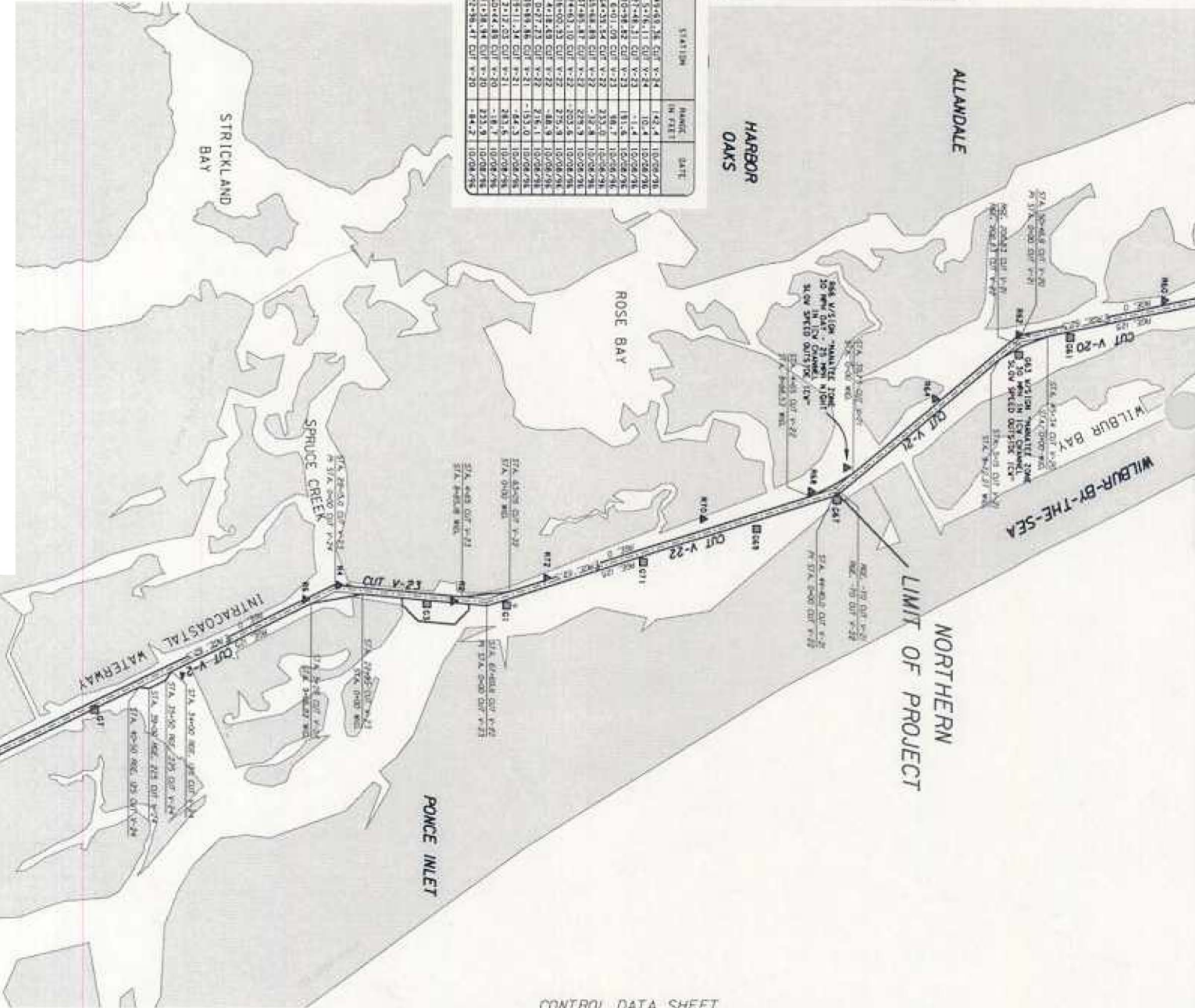
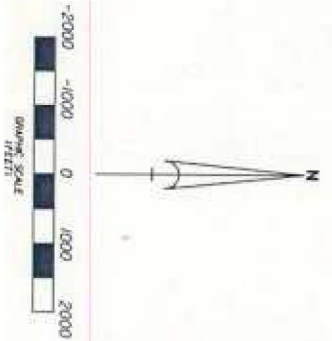


DRAWINGS TO ACCOMPANY THE APPLICATION FOR WATER QUALITY CERTIFICATE SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICANT: U.S. ARMY CORPS OF ENGINEERS
 PROJECT: MAINTENANCE DREDGING, 12-FOOT PROJECT INTRACOASTAL WATERWAY, VOLUSIA COUNTY
 DATE: MARCH 2001 SHEET 1 OF //



STA. NO.	ELEV. (FT.)	STATIONING	STATION	NAME	DATE
0+00	11.00	0+00	0+00	0+00	10/08/78
0+05	11.05	0+05	0+05	0+05	10/08/78
0+10	11.10	0+10	0+10	0+10	10/08/78
0+15	11.15	0+15	0+15	0+15	10/08/78
0+20	11.20	0+20	0+20	0+20	10/08/78
0+25	11.25	0+25	0+25	0+25	10/08/78
0+30	11.30	0+30	0+30	0+30	10/08/78
0+35	11.35	0+35	0+35	0+35	10/08/78
0+40	11.40	0+40	0+40	0+40	10/08/78
0+45	11.45	0+45	0+45	0+45	10/08/78
0+50	11.50	0+50	0+50	0+50	10/08/78
0+55	11.55	0+55	0+55	0+55	10/08/78
0+60	11.60	0+60	0+60	0+60	10/08/78
0+65	11.65	0+65	0+65	0+65	10/08/78
0+70	11.70	0+70	0+70	0+70	10/08/78
0+75	11.75	0+75	0+75	0+75	10/08/78
0+80	11.80	0+80	0+80	0+80	10/08/78
0+85	11.85	0+85	0+85	0+85	10/08/78
0+90	11.90	0+90	0+90	0+90	10/08/78
0+95	11.95	0+95	0+95	0+95	10/08/78
1+00	12.00	1+00	1+00	1+00	10/08/78
1+05	12.05	1+05	1+05	1+05	10/08/78
1+10	12.10	1+10	1+10	1+10	10/08/78
1+15	12.15	1+15	1+15	1+15	10/08/78
1+20	12.20	1+20	1+20	1+20	10/08/78
1+25	12.25	1+25	1+25	1+25	10/08/78
1+30	12.30	1+30	1+30	1+30	10/08/78
1+35	12.35	1+35	1+35	1+35	10/08/78
1+40	12.40	1+40	1+40	1+40	10/08/78
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1+50	12.50	1+50	1+50	1+50	10/08/78
1+55	12.55	1+55	1+55	1+55	10/08/78
1+60	12.60	1+60	1+60	1+60	10/08/78
1+65	12.65	1+65	1+65	1+65	10/08/78
1+70	12.70	1+70	1+70	1+70	10/08/78
1+75	12.75	1+75	1+75	1+75	10/08/78
1+80	12.80	1+80	1+80	1+80	10/08/78
1+85	12.85	1+85	1+85	1+85	10/08/78
1+90	12.90	1+90	1+90	1+90	10/08/78
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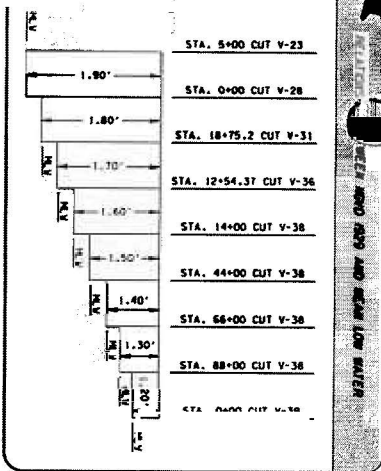


CONTROL DATA SHEET

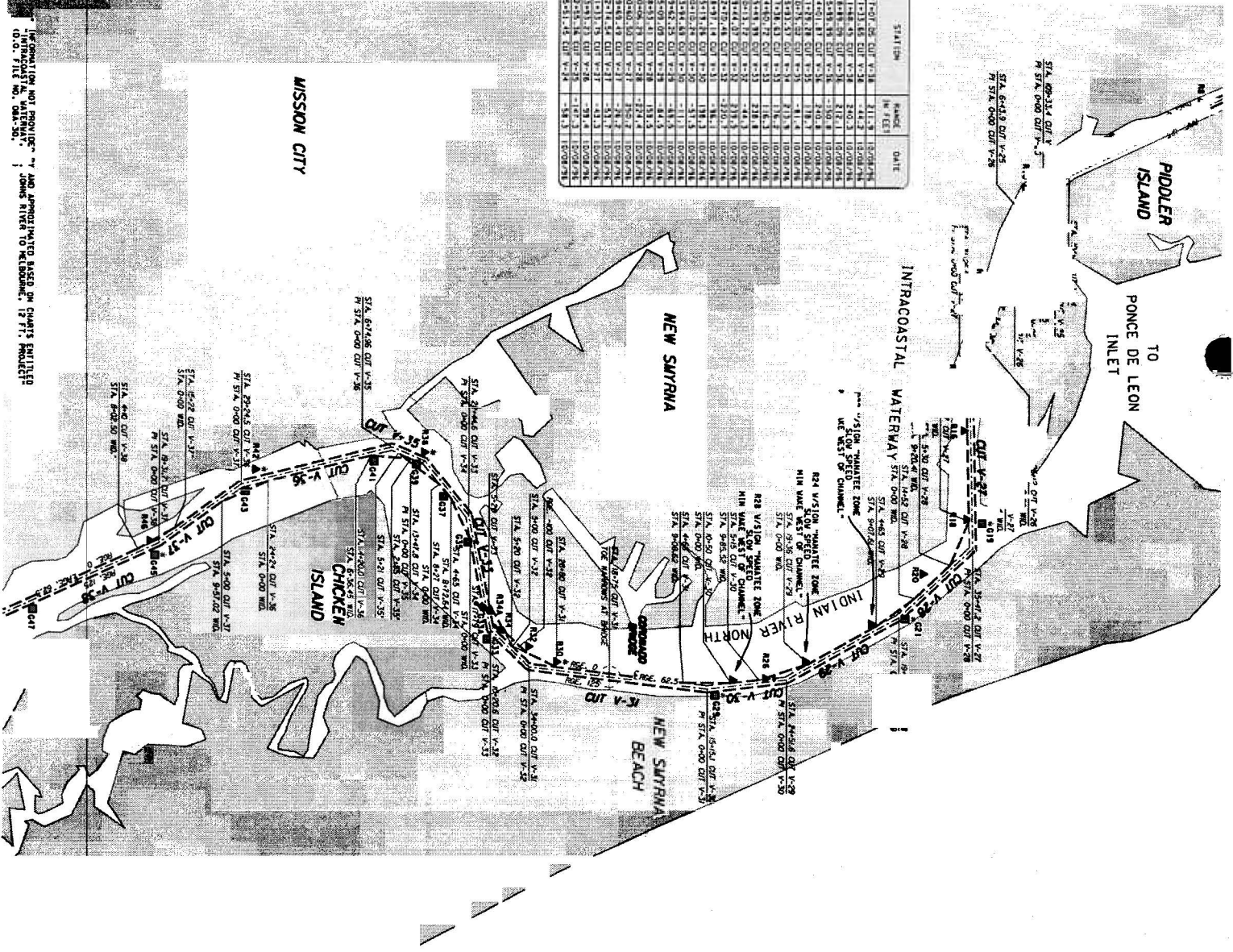
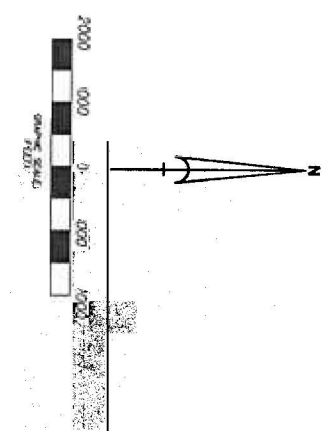


DRAWINGS TO ACCOMPANY THE APPLICATION FOR WATER QUALITY CERTIFICATE SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICANT: U.S. ARMY CORPS OF ENGINEERS
 PROJECT: MAINTENANCE DREDGING, 12-FOOT PROJECT
 INTRACOASTAL WATERWAY, VOLUSIA COUNTY
 DATE: MARCH 2001 SHEET 2 OF 11



AID TO NAVIGATION	IN FEET MAR 27	STATION	DEPTH	DATE
641	528.819	1495.274	24.00	10/07/74
642	529.181	1495.274	24.00	10/07/74
643	529.543	1495.274	24.00	10/07/74
644	529.905	1495.274	24.00	10/07/74
645	530.267	1495.274	24.00	10/07/74
646	530.629	1495.274	24.00	10/07/74
647	530.991	1495.274	24.00	10/07/74
648	531.353	1495.274	24.00	10/07/74
649	531.715	1495.274	24.00	10/07/74
650	532.077	1495.274	24.00	10/07/74
651	532.439	1495.274	24.00	10/07/74
652	532.801	1495.274	24.00	10/07/74
653	533.163	1495.274	24.00	10/07/74
654	533.525	1495.274	24.00	10/07/74
655	533.887	1495.274	24.00	10/07/74
656	534.249	1495.274	24.00	10/07/74
657	534.611	1495.274	24.00	10/07/74
658	534.973	1495.274	24.00	10/07/74
659	535.335	1495.274	24.00	10/07/74
660	535.697	1495.274	24.00	10/07/74
661	536.059	1495.274	24.00	10/07/74
662	536.421	1495.274	24.00	10/07/74
663	536.783	1495.274	24.00	10/07/74
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674	540.765	1495.274	24.00	10/07/74
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732	561.761	1495.274	24.00	10/07/74
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798	585.653	1495.274	24.00	10/07/74
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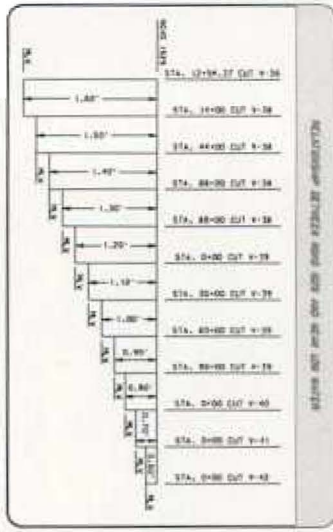
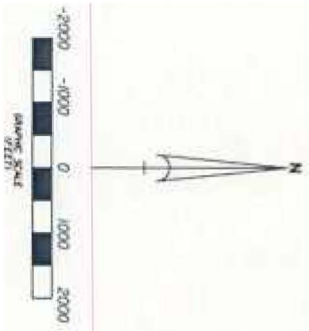
PROJECTION NOT REQUIRED AND APPROVED BASED ON CHARTS ENTITLED "INTRACOASTAL WATERWAY" AND "SAIYRNA RIVER TO MISSION CITY, FLA." FILE NO. 048.50.

CONTROL DATA SHEET

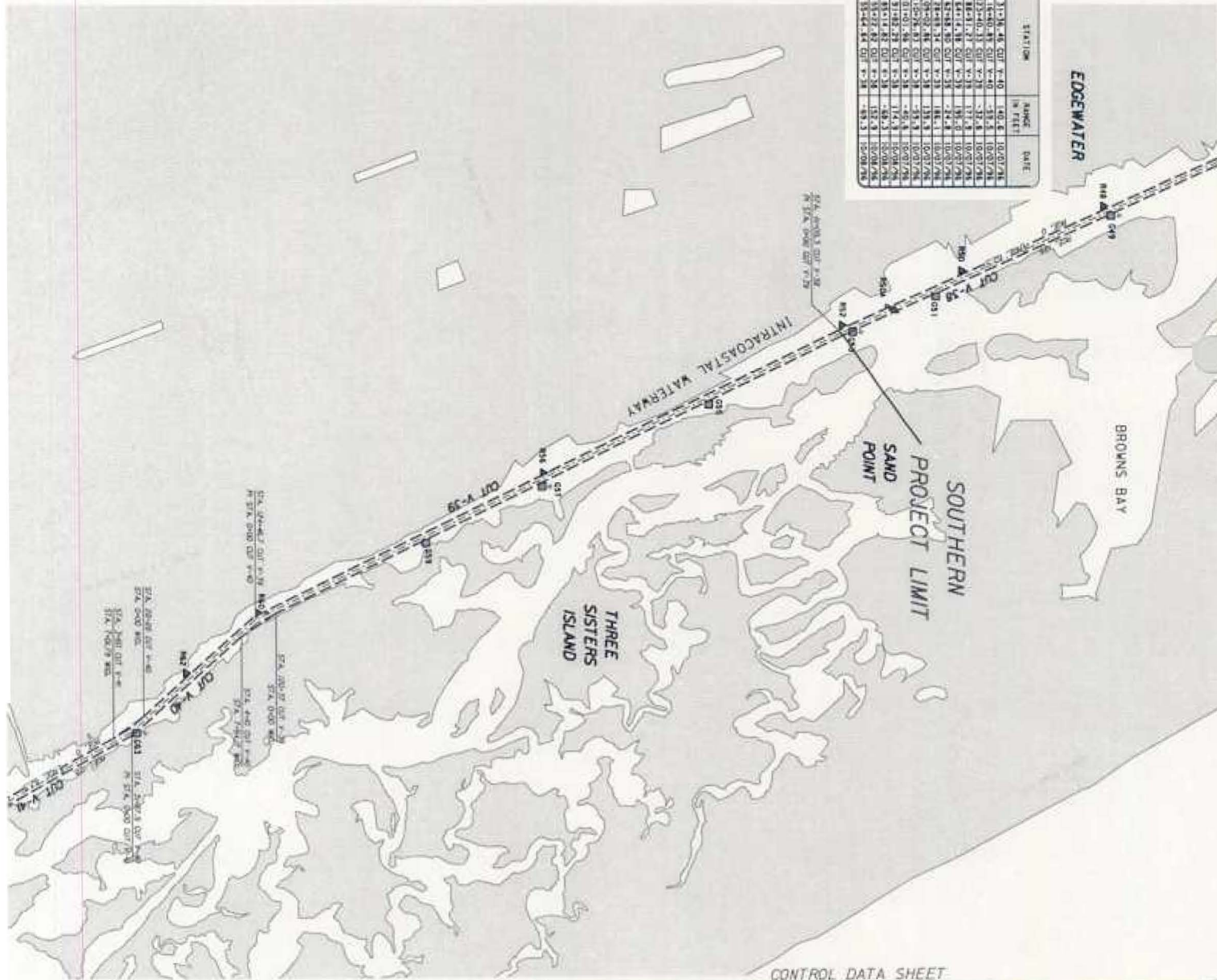


DRAWINGS TO ACCOMPANY THE APPLICATION FOR WATER QUALITY CERTIFICATE SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICANT: U.S. ARMY CORPS OF ENGINEERS
 PROJECT: MAINTENANCE DREDGING, 12-FOOT PROJECT INTRACOASTAL WATERWAY, VOLUSIA COUNTY



STATION	STATION	STATION	STATION
Sta. 12+36.27	Sta. 14+00	Sta. 16+00	Sta. 18+00
Sta. 20+00	Sta. 22+00	Sta. 24+00	Sta. 26+00
Sta. 28+00	Sta. 30+00	Sta. 32+00	Sta. 34+00
Sta. 36+00	Sta. 38+00	Sta. 40+00	

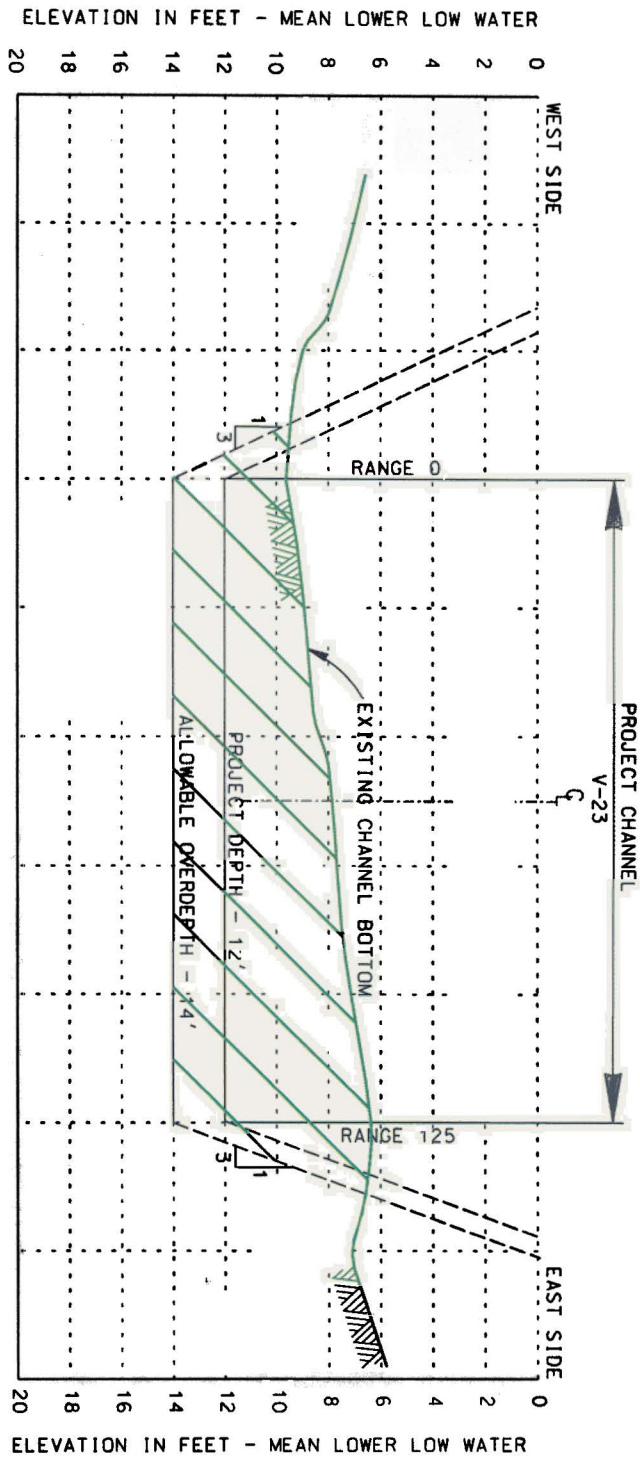


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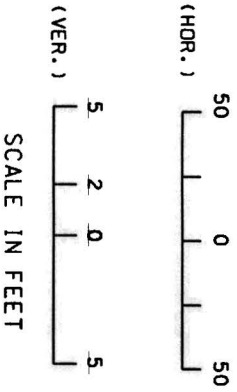


DRAWINGS TO ACCOMPANY THE APPLICATION FOR WATER QUALITY CERTIFICATE SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICANT: U.S. ARMY CORPS OF ENGINEERS
 PROJECT: MAINTENANCE DREDGING, 12-FOOT PROJECT
 INTRACOASTAL WATERWAY, VOLUSIA COUNTY
 DATE: MARCH 2001 SHEET 4 OF 11



TYPICAL CROSS SECTION
 FOR
 INTRACOASTAL WATERWAY
 VICINITY OF PONCE DE LEON INLET



CROSS-SECTION DRAWING

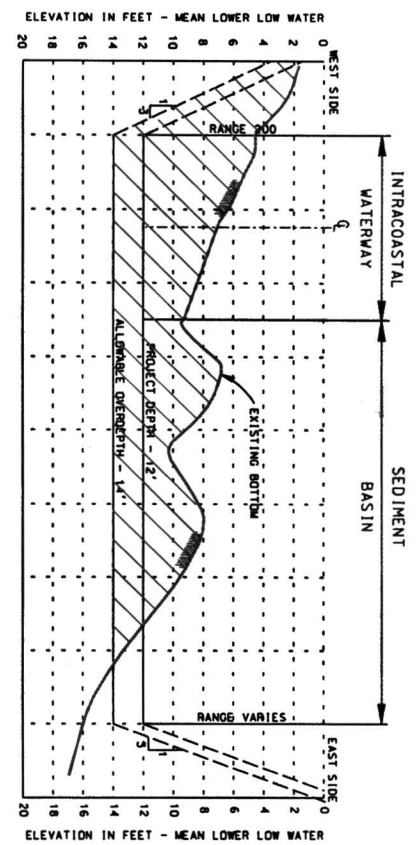
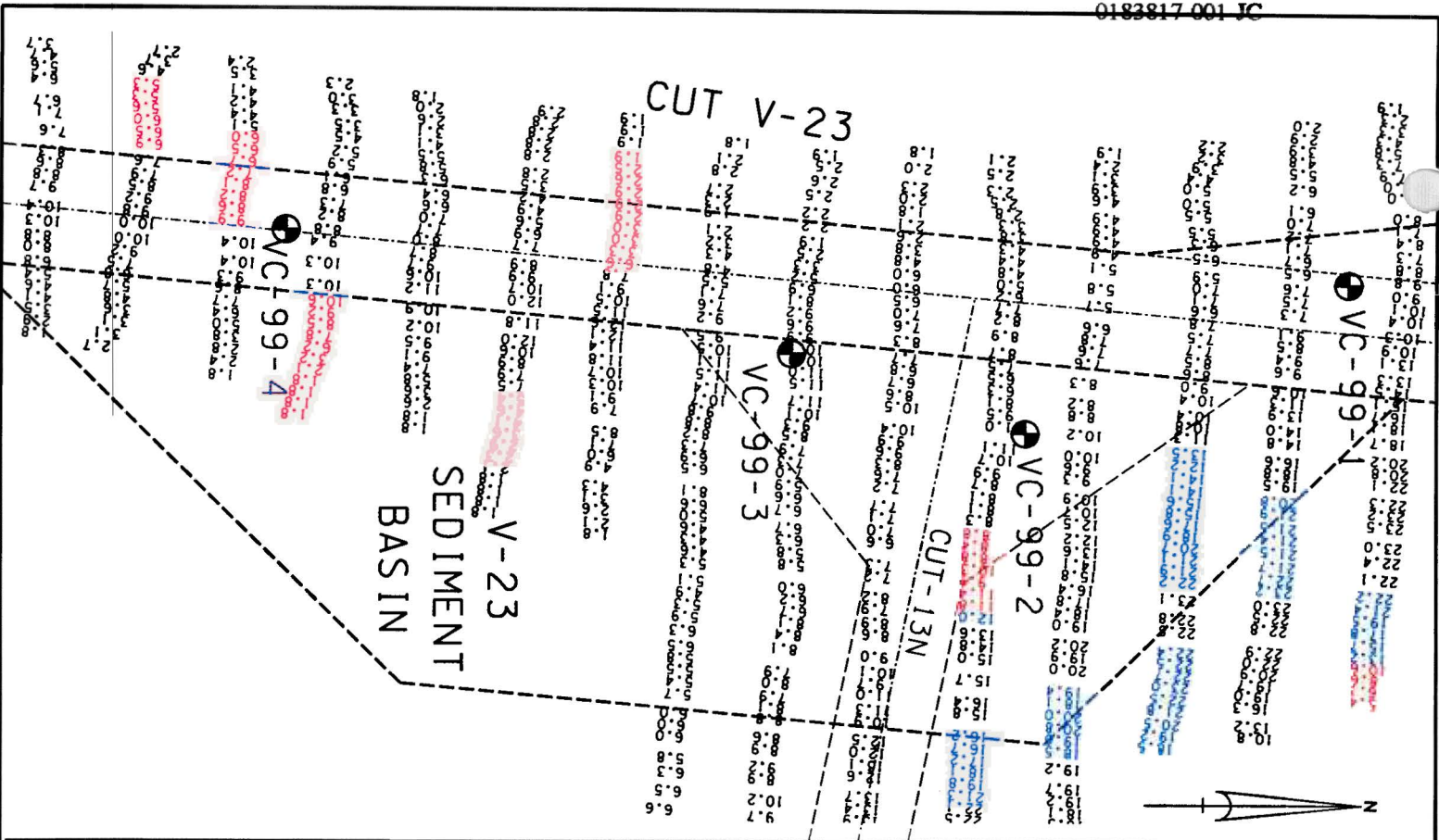


DRAWINGS TO ACCOMPANY THE
 APPLICATION FOR WATER QUALITY
 CERTIFICATE SUBMITTED TO THE
 FLORIDA DEPARTMENT OF
 ENVIRONMENTAL PROTECTION

APPLICANT: U.S. ARMY CORPS OF ENGINEERS

PROJECT: MAINTENANCE DREDGING, 12-FOOT PROJECT
 INTRACOASTAL WATERWAY, VOLUSIA COUNTY

DATE: MARCH 2001 SHEET 7 OF 11



TYPICAL CROSS SECTION FOR CUT V-23 AND SEDIMENT BASIN

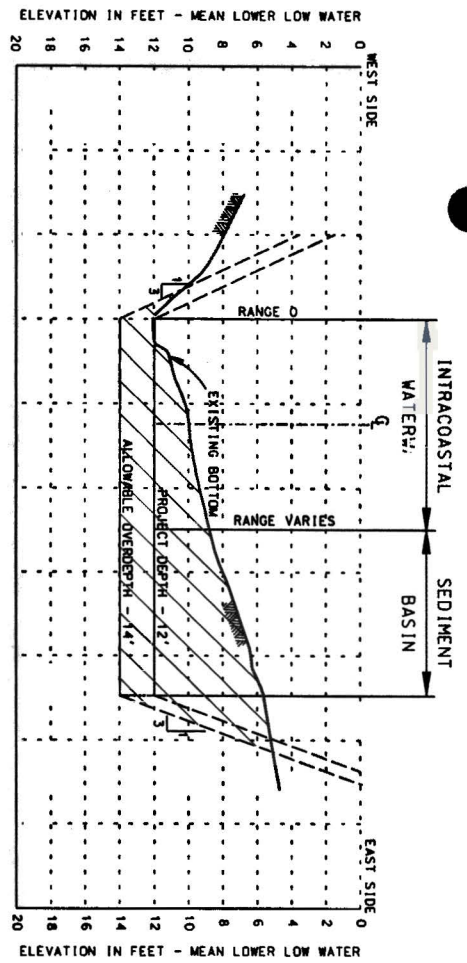
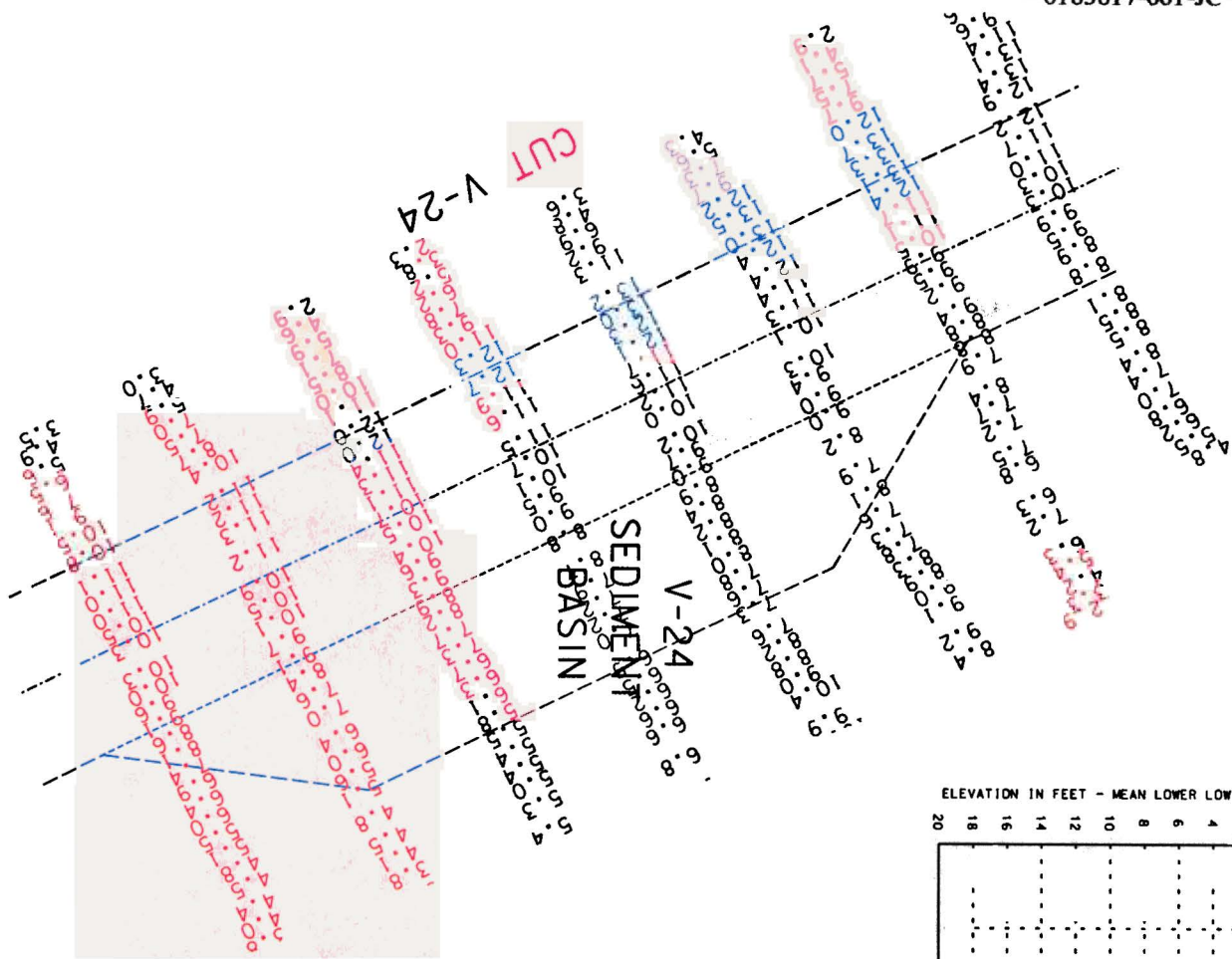
V-23 SEDIMENT BASIN

SAMPLE	X	Y
99-1	516,062	1,730,682
99-2	516,220	1,730,348
99-3	516,137	1,730,106
99-4	516,009	1,729,581

DRAWINGS TO ACCOMPANY THE APPLICATION FOR WATER QUALITY CERTIFICATE SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICANT: U.S. ARMY CORPS OF ENGINEERS
 PROJECT: MAINTENANCE DREDGING, 12-FOOT PROJECT
 INTRACOASTAL WATERWAY, VOLUSIA COUNTY
 DATE: MARCH 2001 SHEET 8 OF //





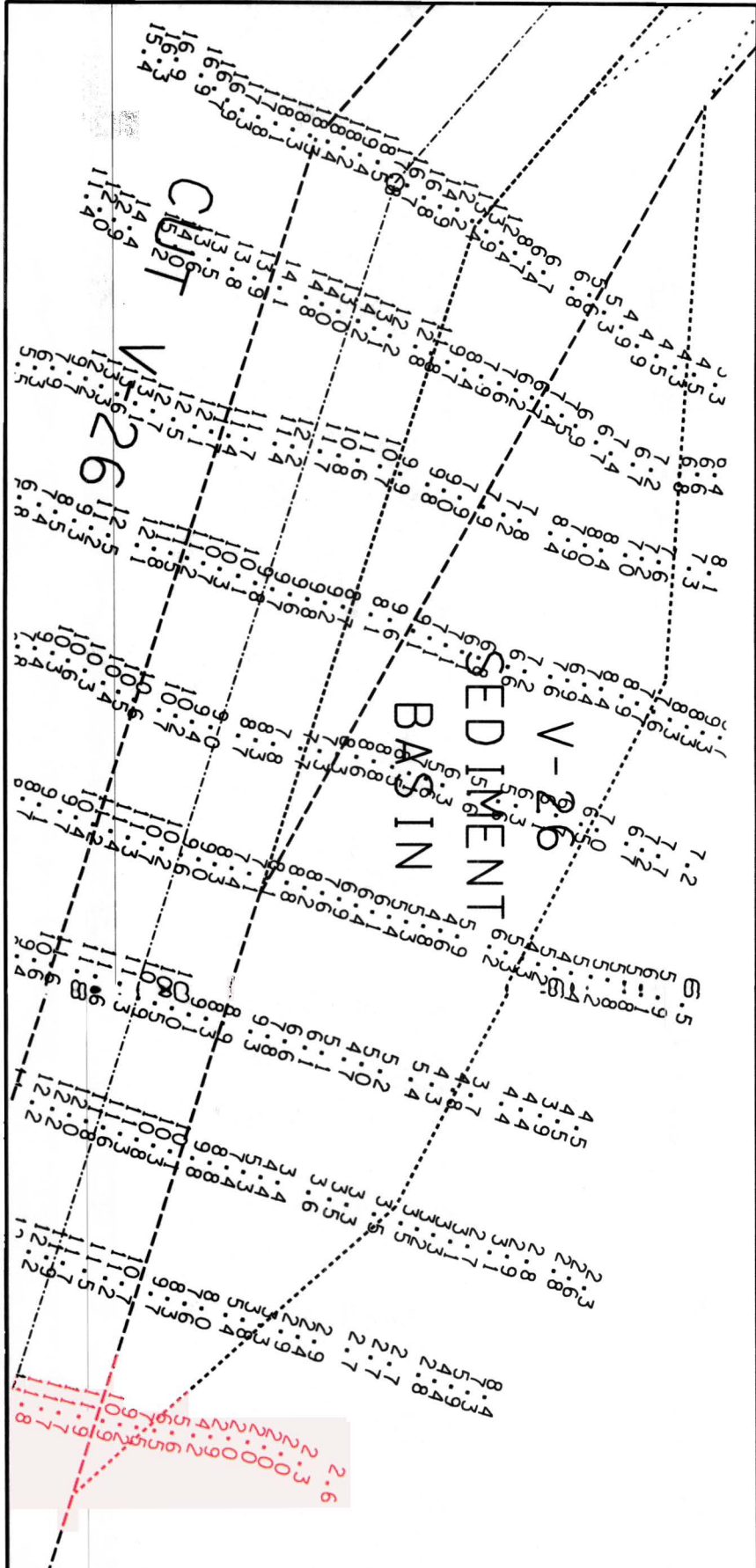
TYPICAL CROSS SECTION
FOR
CUT V-24 AND SEDIMENT BASIN

V-24 SEDIMENT BASIN

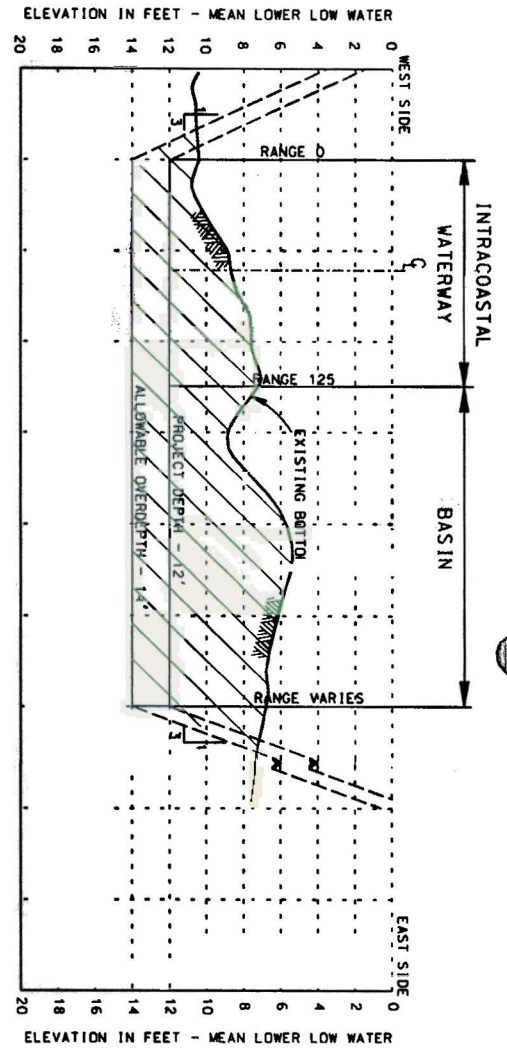


DRAWINGS TO ACCOMPANY THE APPLICATION FOR WATER QUALITY CERTIFICATE SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICANT: U.S. ARMY CORPS OF ENGINEERS
 PROJECT: MAINTENANCE DREDGING, 12-FOOT PROJECT
 INTRACOASTAL WATERWAY, VOLUSIA COUNTY
 DATE: MARCH 2001 SHEET 9 OF 11



TYPICAL CROSS SECTION FOR CUT V-26 AND SEDIMENT BASIN



SEDIMENT BASIN SOUTH



DRAWINGS TO ACCOMPANY THE APPLICATION FOR WATER QUALITY CERTIFICATE SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICANT: U.S. ARMY CORPS OF ENGINEERS
 PROJECT: MAINTENANCE DREDGING, 12-FOOT PROJECT
 INTRACOASTAL WATERWAY, VOLUSIA COUNTY
 DATE: MARCH 2001 SHEET 10 OF //

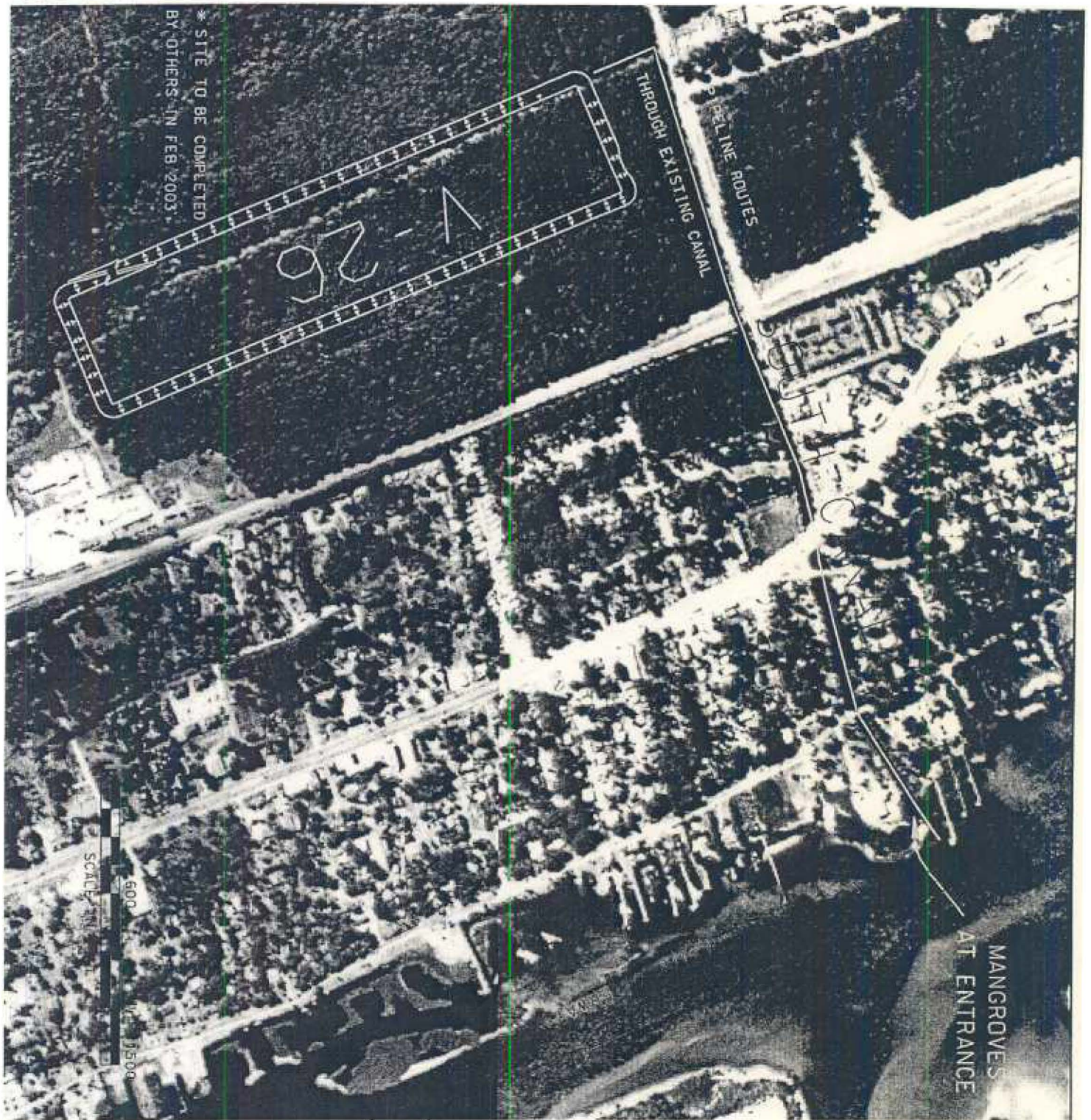


Figure 6

V26 CONTAINMENT AREA AND SOUTH CANAL



DRAWINGS TO ACCOMPANY THE
APPLICATION FOR WATER QUALITY
CERTIFICATE SUBMITTED TO THE
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ENVIRONMENTAL PROTECTION

APPLICANT: U.S. ARMY CORPS OF ENGINEERS

PROJECT: MAINTENANCE DREDGING, 12-FOOT PROJECT
INTRACOASTAL WATERWAY, VOLUSIA COUNTY

DATE: REV. FEB 2003 SHEET 12 OF 14