SAFETY ON THIS JOB
DEPENDS ON YOU

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PLANS FOR
MAINTENANCE DREDGING
12-FOOT PROJECT

VICINITY OF HAULOVER CANAL, BREVARD COUNTY, FLORIDA

DEPARTMENT OF THE ARMY

JACKSONVILLE DISTRICT, CORPS OF ENGINEERS

JACKSONVILLE, FLORIDA

2001

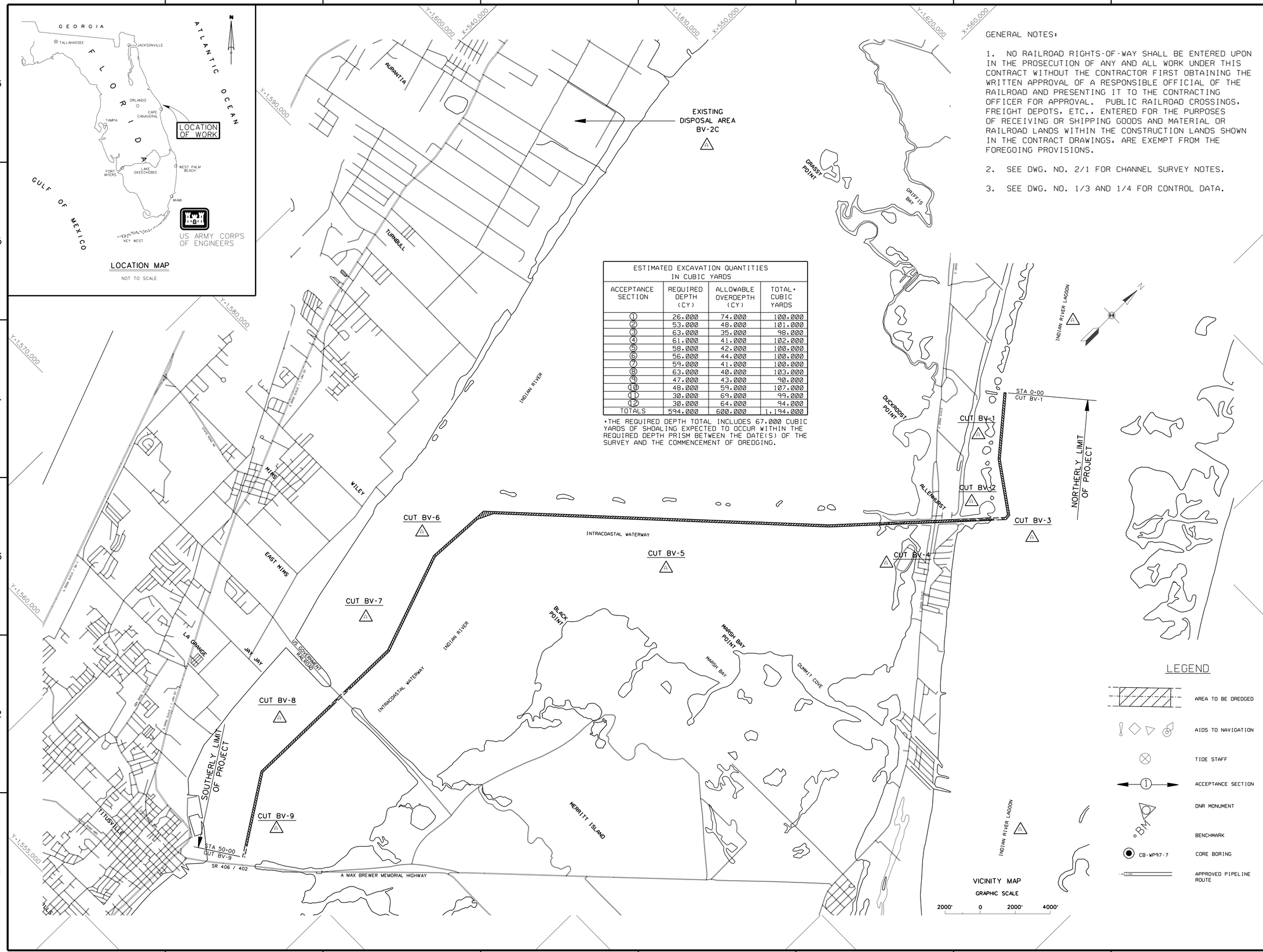
TO ACCOMPANY INVITATION
NO. DACW17-00-B-0025

VE "INCREASE PROFIT -- SUBMIT VECP'S"

D. O. FILE NO. 8H-37,866 IWW0-1.DGN

LOCATION MAP

NOT TO SCALE



ESTIMATED EXCAVATION QUANTITIES IN CUBIC YARDS			
ACCEPTANCE SECTION	REQUIRED DEPTH (CY)	ALLOWABLE OVERDEPTH (CY)	TOTAL* CUBIC YARDS
1	26.000	74.000	100.000
2	53.000	48.000	101.000
3	63.000	35.000	98.000
4	61.000	41.000	102.000
5	58.000	42.000	100.000
6	56.000	44.000	100.000
7	59.000	41.000	100.000
8	63.000	40.000	103.000
9	47.000	43.000	90.000
10	48.000	59.000	107.000
11	30.000	69.000	99.000
12	30.000	64.000	94.000
TOTALS	594.000	600.000	1,194.000

*THE REQUIRED DEPTH TOTAL INCLUDES 67.000 CUBIC YARDS OF SHOALING EXPECTED TO OCCUR WITHIN THE REQUIRED DEPTH PRISM BETWEEN THE DATE(S) OF THE SURVEY AND THE COMMENCEMENT OF DREDGING.

GENERAL NOTES:

1. NO RAILROAD RIGHTS-OF-WAY SHALL BE ENTERED UPON IN THE PROSECUTION OF ANY AND ALL WORK UNDER THIS CONTRACT WITHOUT THE CONTRACTOR FIRST OBTAINING THE WRITTEN APPROVAL OF A RESPONSIBLE OFFICIAL OF THE RAILROAD AND PRESENTING IT TO THE CONTRACTING OFFICER FOR APPROVAL. PUBLIC RAILROAD CROSSINGS, FREIGHT DEPOTS, ETC., ENTERED FOR THE PURPOSES OF RECEIVING OR SHIPPING GOODS AND MATERIAL OR RAILROAD LANDS WITHIN THE CONSTRUCTION LANDS SHOWN IN THE CONTRACT DRAWINGS, ARE EXEMPT FROM THE FOREGOING PROVISIONS.

2. SEE DWG. NO. 2/1 FOR CHANNEL SURVEY NOTES.

3. SEE DWG. NO. 1/3 AND 1/4 FOR CONTROL DATA.

LEGEND

- AREA TO BE DREDGED
- AIDS TO NAVIGATION
- TIDE STAFF
- ACCEPTANCE SECTION
- DNR MONUMENT
- BENCHMARK
- CB-WP97-7 CORE BORING
- APPROVED PIPELINE ROUTE

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved
12	A	-	REVISED TO ACCOMPANY AMENDMENT NO. 0002	

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

Designed by: JWB
Dwn by: JWB
Ckd by: LRP
Inv. No.
Dated:
Scale: AS SHOWN
Plot date:
Plot scale:
Dated: JULY 1999
D.O. FILE NO. 8H-37,866

File name: IWW1-2.DGN
Reference files: IWW-BRDR.DGN BREVBASE.DGN T289A.DGN SITEWORK.DGN DRDGE-AREA.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
MAINTENANCE DREDGING
12-FOOT PROJECT
VICINITY OF HAULOVER CANAL, BREVARD COUNTY, FLORIDA
LOCATION, VICINITY MAP, LEGEND AND GENERAL NOTES

DRAWING NO.
1/2

CHANNEL PT.	X	Y
1	576067.0740	1608328.5950
2	578546.8630	1605420.7070
3	581175.4810	1603586.6330
4	581198.9910	1603379.9670
5	574456.7690	1595921.9570
11	576162.1860	1608409.7050
12	578631.5570	1605514.0330
13	581293.2990	1603656.8470
14	581329.5690	1603338.0130
15	574546.0710	1595834.3430

C/L PT.	X	Y	CUT	STA.	RGE.
I	576114.63	1608369.15	BV-1	0+00	62.50
II	578589.21	1605467.37	BV-2	0+00	62.50
III	581234.39	1603621.74	BV-3	0+00	62.50
IV	581264.28	1603358.99	BV-4	0+00	62.50
V	574501.42	1595878.15	BV-5	0+00	62.50

MONUMENT	X	Y
BE BRE B 34	578329.99	1600325.38
IWW BV-233	576348.97	1598120.47
IWW BV-234	580773.99	1602995.26
IWW BV-236	564786.43	1588219.92

NOTES:

1. SEE DWG. NO. 1/2 FOR LEGEND AND GENERAL NOTES.

2. SEE DWG. NO. 2/1 FOR CHANNEL SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved
B		-	REVISED TO ACCOMPANY AMENDMENT NO. 0002	

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

Designed by: JWB
Dwn by: JWB
Ckd by: LRP
Inv. No.
Dated:
Scale: AS SHOWN
Plot date:
Plot scale:

File name: IWW1-3.DGN
Reference files: IWW-BROR.DGN T289A.DGN BREVBASE.DGN

Dated: JULY 1999
D.O.FILE NO. 8H-37,866

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA

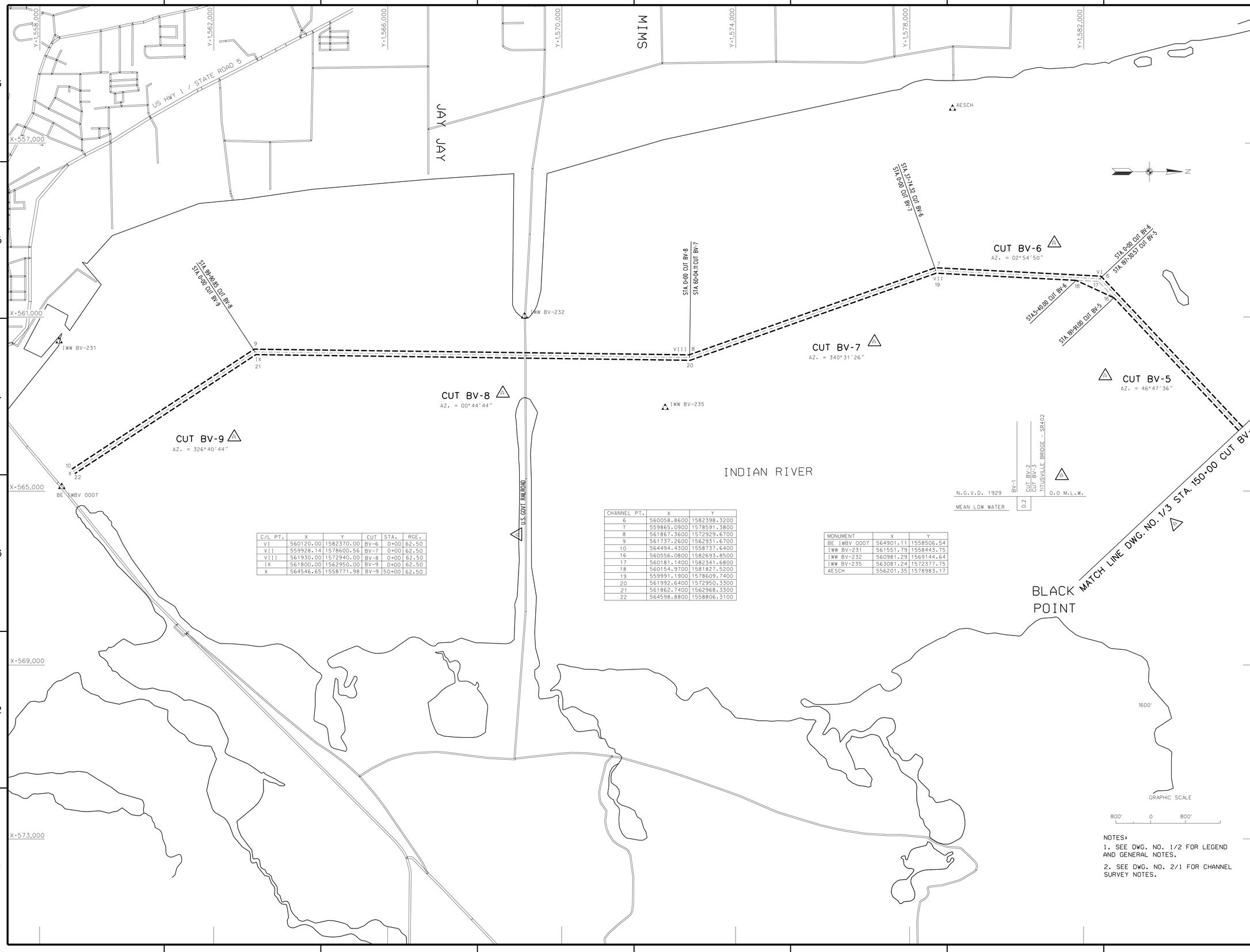
MAINTENANCE DREDGING
12-FOOT PROJECT

VICINITY OF HAULOVER CANAL, BREVARD COUNTY, FLORIDA

CONTROL DATA

DRAWING NO.

1/3



C/L PT.	X	Y	CUT	STA.	RGE.
VI	560120.00	1582370.00	BV-6	0+00	62.50
VII	559928.14	1578600.56	BV-7	0+00	62.50
VIII	561930.00	1572940.00	BV-8	0+00	62.50
IX	561800.00	1562950.00	BV-9	0+00	62.50
X	564546.65	1558771.98	BV-9	50+00	62.50

CHANNEL PT.	X	Y
6	560058.8600	1582398.3200
7	559865.0900	1578591.3800
8	561867.3600	1572929.6700
9	561737.2600	1562931.6700
10	564494.4300	1558737.6400
16	560556.0800	1582693.8500
17	560181.1400	1582341.6800
18	560154.9700	1581827.5200
19	559991.1900	1578609.7400
20	561992.6400	1572950.3300
21	561862.7400	1562968.3300
22	564598.8800	1558806.3100

MONUMENT	X	Y
BE IWBV 0007	564901.11	1558506.54
IWW BV-231	561551.79	1558443.75
IWW BV-232	560981.29	1569144.64
IWW BV-235	563081.24	1572377.75
AESCH	556201.35	1578983.17

NOTES:

1. SEE DWG. NO. 1/2 FOR LEGEND AND GENERAL NOTES.

2. SEE DWG. NO. 2/1 FOR CHANNEL SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved
8		-	REVISED TO ACCOMPANY AMENDMENT NO. 0002	

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

Designed by: JWB
Dwn by: JWB
Ckd by: LRP
Inv. No.
Dated: JULY 1999
Scale: AS SHOWN
Plot date:
Plot scale:
File name: IWW14.DGN
Reference files: IWW-BRDR.DGN T289A.DGN BREVBASE.DGN
D.O.FILE NO. 8H-37,866

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA

MAINTENANCE DREDGING
12-FOOT PROJECT

VICINITY OF HAULOVER CANAL, BREVARD COUNTY, FLORIDA

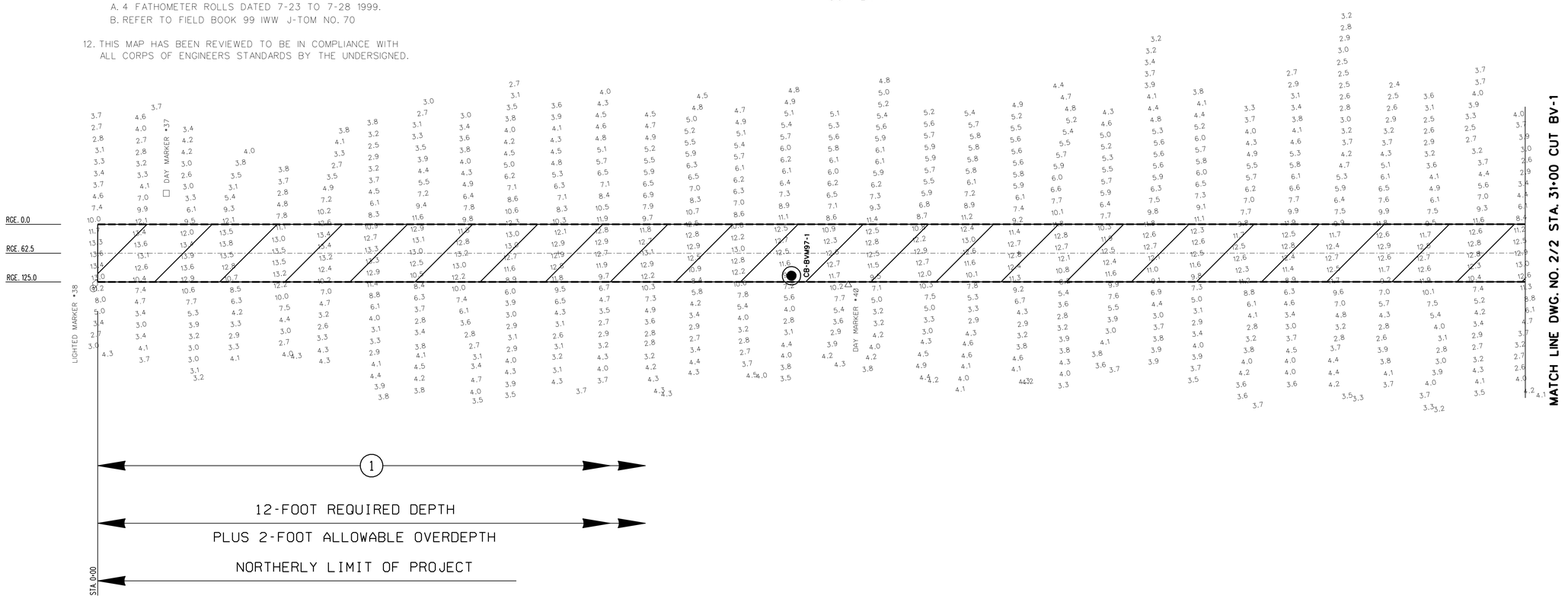
CONTROL DATA

DRAWING NO.

1/4

SURVEY NOTES:

1. REFER TO SURVEY NUMBER 99-218.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER
3. ALL ELEVATIONS ARE BELOW THE REFERENCE PLANE UNLESS PRECEEDED BY A (+) SIGN.
4. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR FLORIDA EAST ZONE AND REFERENCED TO NORTH AMERICAN DATUM OF 1927 (NAD27).
5. ALL AZIMUTHS ARE GRID: RECKONED CLOCKWISE FROM SOUTH.
6. STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL WHICH IS RANGE 62.5.
7. AIDS TO NAVIGATION WERE LOCATED THIS SURVEY.
8. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING GENERAL CONDITIONS EXISTING AT THAT TIME.
9. TIDAL REDUCTIONS WERE MADE FROM OBSERVATIONS AT TIDE STAFF AS INDICATED ON CONTROL DATA SHEETS.
10. THIS HYDROGRAPHIC SURVEY WAS PERFORMED WITH DIFFERENTIAL G.P.S. (DGPS) SURVEYING METHODS UTILIZING U.S. COAST GUARD NAVBEACON LOCATED AT CANAVERAL HARBOR, FLORIDA.
11. REFER TO RAW FIELD DATA:
    A. 4 FATHOMETER ROLLS DATED 7-23 TO 7-28 1999.
    B. REFER TO FIELD BOOK 99 IWW J-TOM NO. 70
12. THIS MAP HAS BEEN REVIEWED TO BE IN COMPLIANCE WITH ALL CORPS OF ENGINEERS STANDARDS BY THE UNDERSIGNED.



AID TO NAVIGATION	PLANE COORDINATES	
	X	Y
DAY MARKER #37	576307.8	1608339.5
LIGHTED MARKER #38	576050.4	1608326.8
DAY MARKER #40	577117.2	1607083.6

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. SEE DWG. NO. 1/2 FOR LEGEND AND GENERAL NOTES.
2. SEE DWG. NO. 2/1 FOR CHANNEL SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved
1	A5		REVISED TO ACCOMPANY AMENDMENT NO. 0002	

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

Inv. No.
Dated:
Scale: AS SHOWN
Plot date:
Plot scale:

Designed by: JWB
Dwn by: JWB
Ckd by: LRP

Dated: JULY 1999
D.O.FILE NO. 8H-37,866

File name: IWW2-1.DGN
Reference files: IWW-BRGR.DGN T28SALT.DGN A12BNAV.DGN A21BNAV.DGN GEOTECH.DGN DRDGE-AREA.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA

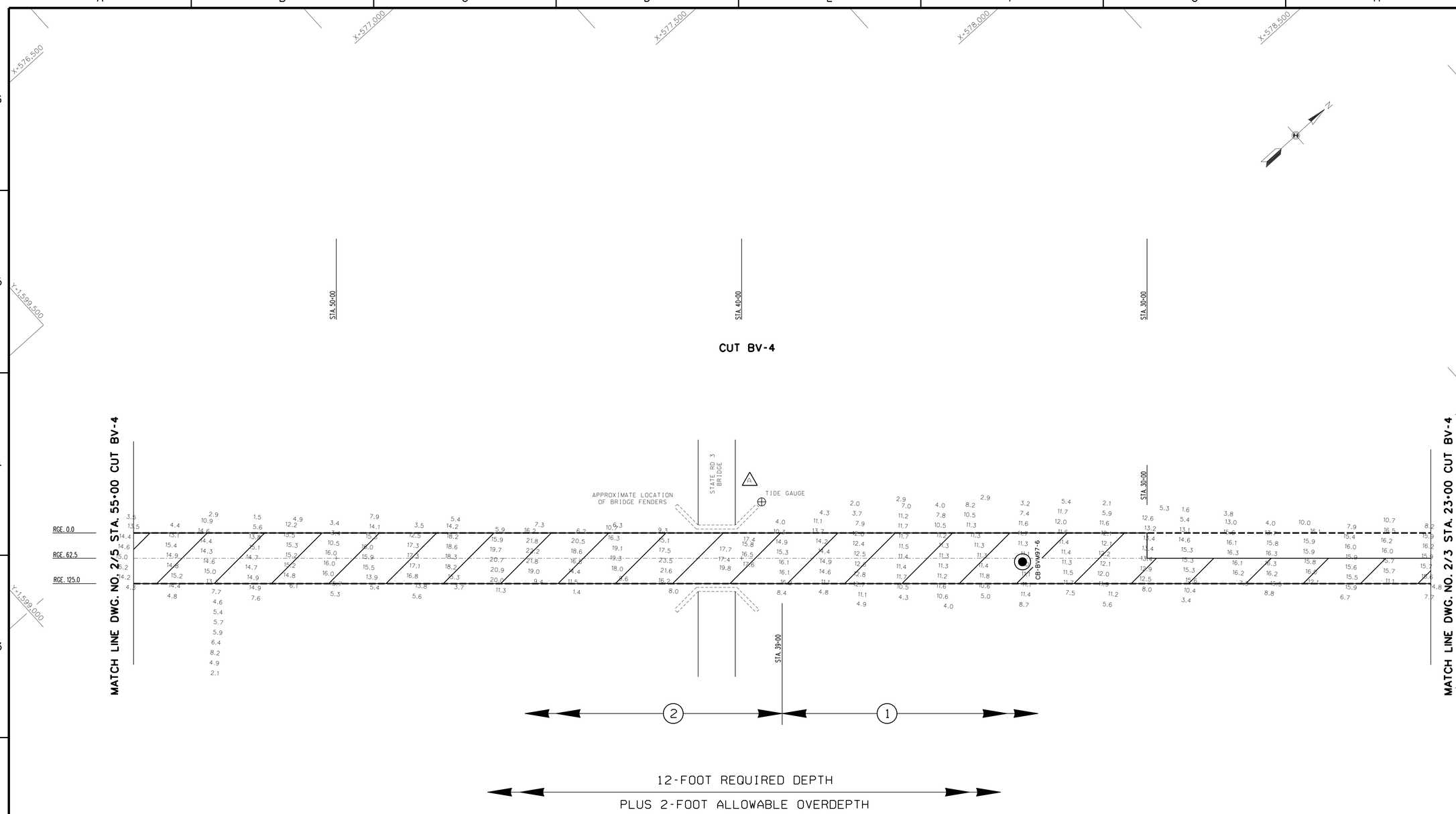
MAINTENANCE DREDGING
12-FOOT PROJECT

VICINITY OF HAULOVER CANAL, BREVARD COUNTY, FLORIDA

DREDGING PLAN

DRAWING NO.

2/1



NOTES:

1. SEE DWG. NO. 1/2 FOR LEGEND AND GENERAL NOTES.
2. SEE DWG. NO. 2/1 FOR CHANNEL SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved
1	A	E3,E4	REVISED TO ACCOMPANY AMENDMENT NO. 0002	

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

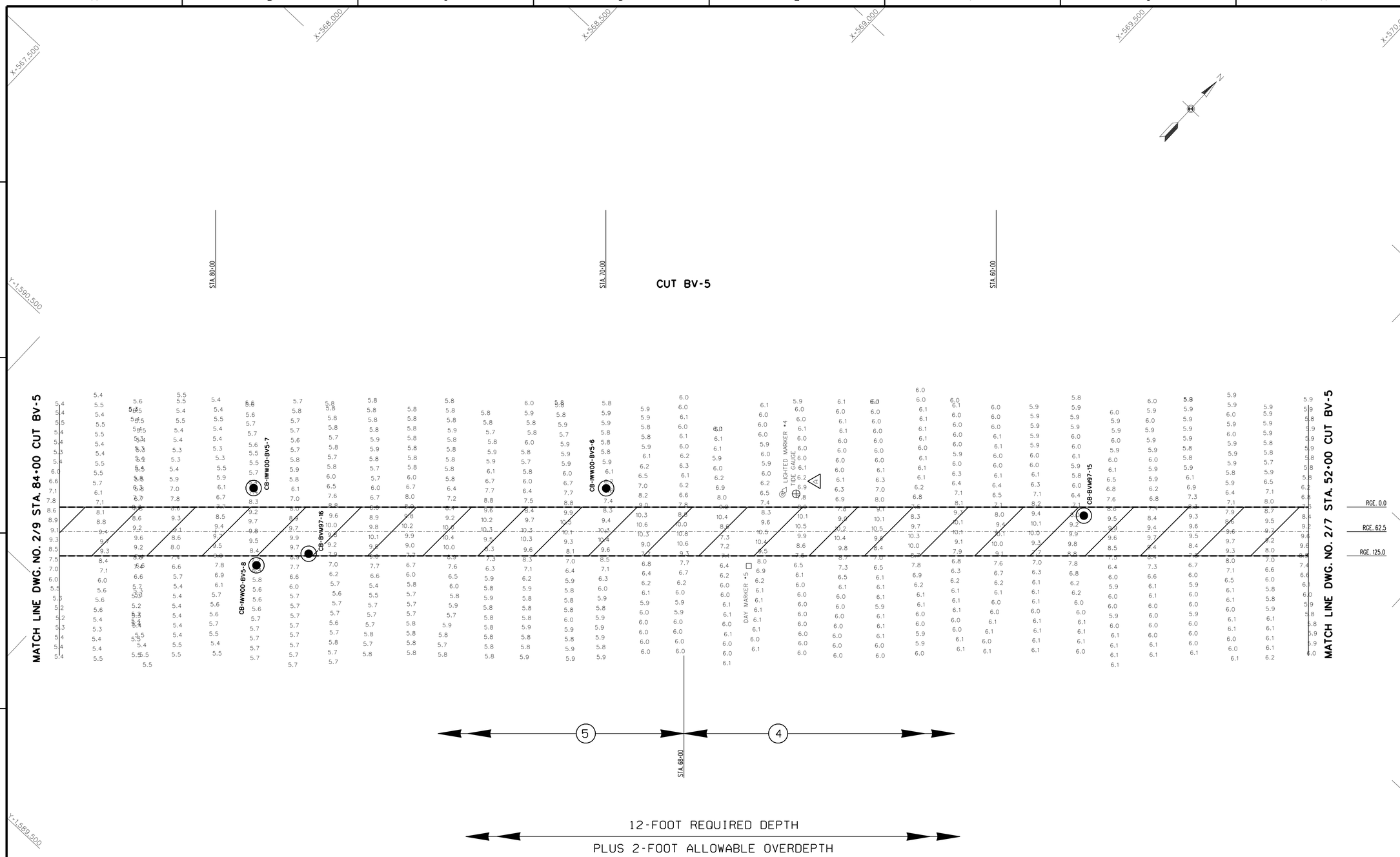
Designed by: JWB
Dwn by: JWB
Ckd by: LRP
Inv. No.
Dated:
Scale: AS SHOWN
Plot date:
Plot scale:

Dated: JULY 1999
D.O.FILE NO. 8H-37,866

File name: IWW2-4.DGN
Reference files: IWW-BRDR.DGN T28BA.DGN A218SND.DGN A218NAV.DGN GEOTECH.DGN DRDGE-AREA.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
MAINTENANCE DREDGING
12-FOOT PROJECT
VICINITY OF HAULOVER CANAL, BREVARD COUNTY, FLORIDA
DREDGING PLAN

DRAWING NO.
2/4



AID TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y
LIGHTED MARKER #4	569663.5	1591464.8
DAY MARKER #5	569727.4	1591269.8

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. SEE DWG. NO. 1/2 FOR LEGEND AND GENERAL NOTES.

2. SEE DWG. NO. 2/1 FOR CHANNEL SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved
1	△	E4	REVISED TO ACCOMPANY AMENDMENT NO. 0002	

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

Inv. No.
Dated:
Scale: AS SHOWN
Plot date:
Plot scale:

Designed by: JWB
Dwn by: JWB
Ckd by: LRP

Dated: JULY 1999
D.O.FILE NO. 8H-37.866

File name: IWW2-8.DGN
Reference files: IWW-BRGR.DGN T28BALI.DGN A21BRAD.DGN A21BNAN.DGN GEOTECH.DGN DRDGE-AREA.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA

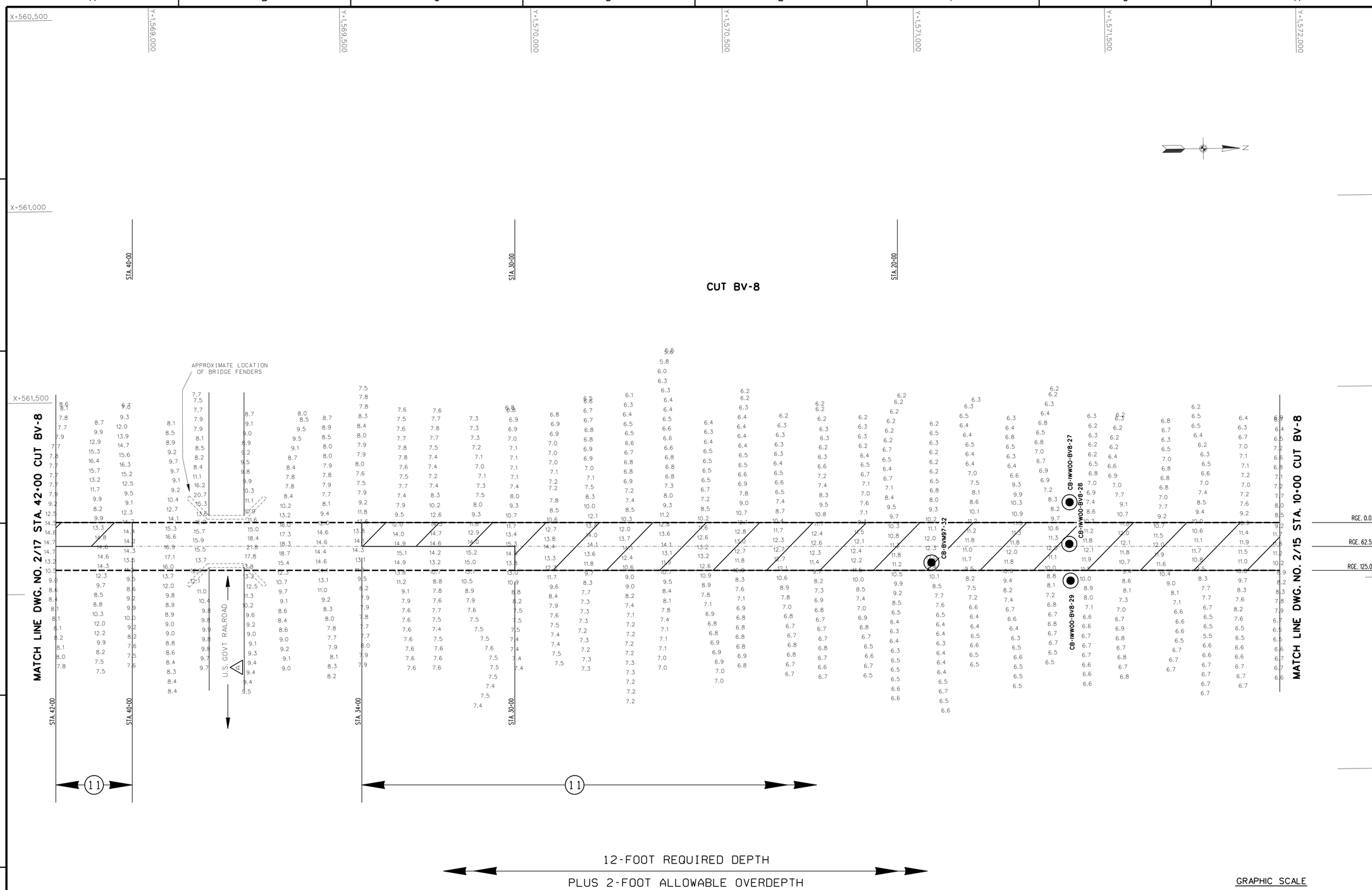
MAINTENANCE DREDGING
12-FOOT PROJECT

VICINITY OF HAILOVER CANAL, BREVARD COUNTY, FLORIDA

DREDGING PLAN

DRAWING NO.

2/8



GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. SEE DWG. NO. 1/2 FOR LEGEND AND GENERAL NOTES.

2. SEE DWG. NO. 2/1 FOR CHANNEL SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved
1	△	B3.84	REVISED TO ACCOMPANY AMENDMENT NO. 0002	

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

Designed by: JWB | Inv. No.
Dwn by: JWB | Cxd by: LRP | Dated:
Scale: AS SHOWN
Plot date:
Plot scale:

File name: mw2-8.DGN

Reference files:
IWW-BRDR.DGN
T28NAD.DGN
A25NAVD.DGN
A21NAV.DGN
GEOTECH.DGN
DRDGE-AREA.DGN

Dated: JULY 1999
D.O.FILE NO. 8H-37.866

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA

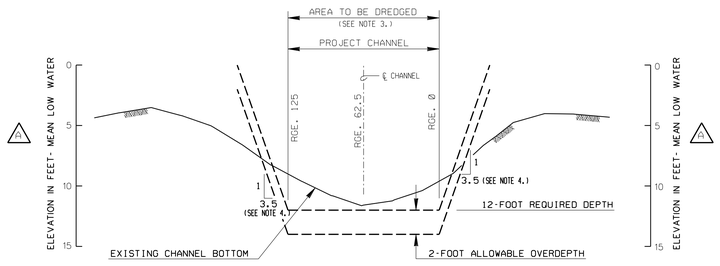
MAINTENANCE DREDGING
12-FOOT PROJECT

VICINITY OF HALLOVER CANAL, BREVARD COUNTY, FLORIDA

DREDGING PLAN

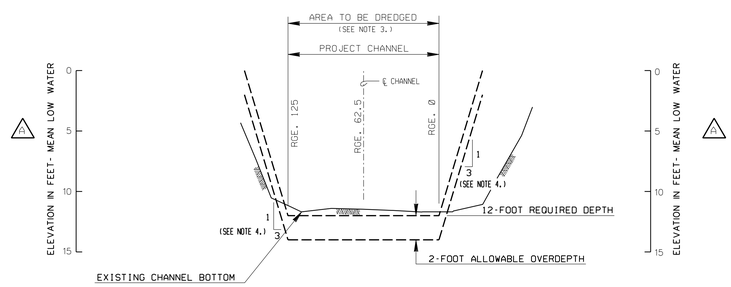
DRAWING NO.

2/16



STA. 2+00
CUT BV-5

SCALES: HORIZ. "B"
VERT. "C"

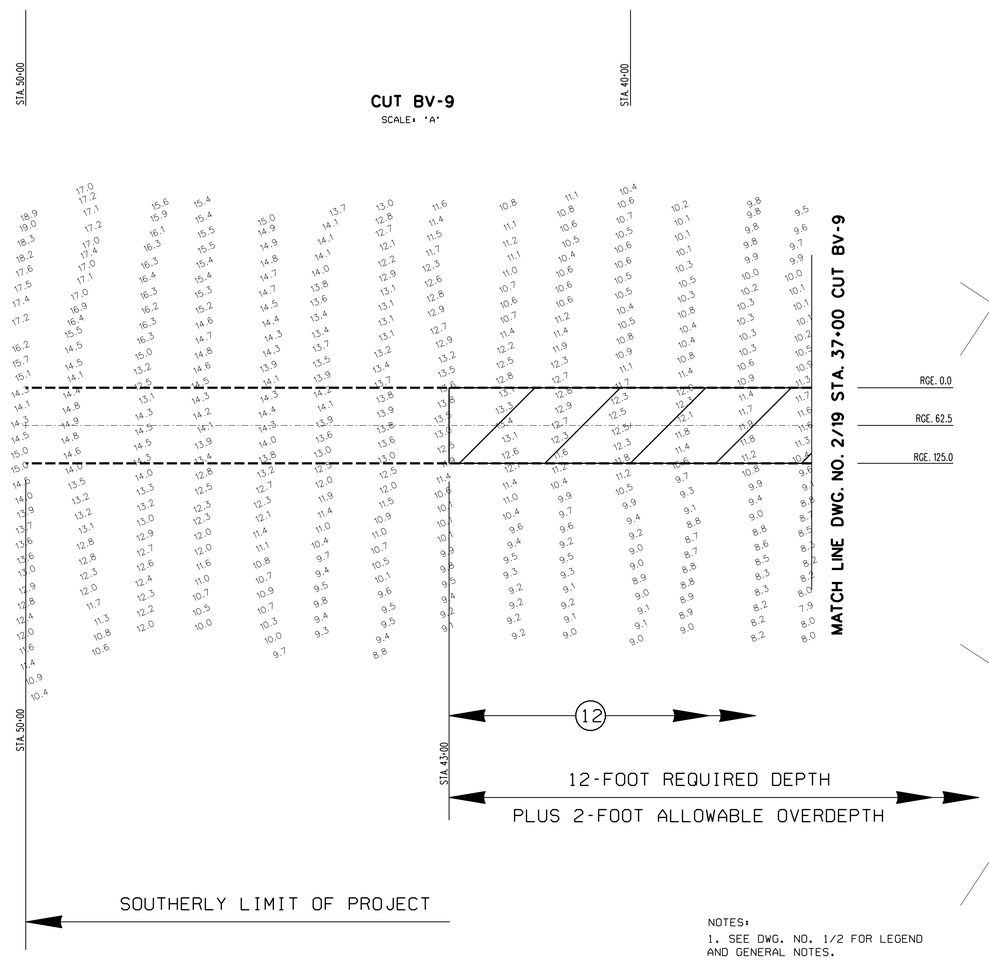


STA. 36+00
CUT BV-4

SCALES: HORIZ. "B"
VERT. "C"

CUT BV-9

SCALE: "A"



NOTES:

1. SEE DWG. NO. 1/2 FOR LEGEND AND GENERAL NOTES.
2. SEE DWG. NO. 2/1 FOR CHANNEL SURVEY NOTES.
3. SEE SPECIFICATIONS FOR SIDESLOPE DREDGING.
4. USE 1V:3H SIDESLOPES FROM CUT BV-4 STA. 0+00 TO CUT BV-4 STA. 75+00 AND USE 1V:3.5H SIDESLOPES FOR ALL REMAINING PORTIONS OF PROJECT.

GRAPHIC SCALES

"A" 100' 0 100' 200'
"B" 50' 0 50' 100'
"C" 5' 0 5' 10'

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved
4	△	-	REVISED TO ACCOMPANY AMENDMENT NO. 0002	

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

Designed by: JWB
Dwn by: JWB
Ckd by: LRP
Inv. No.
Date:
Scale: AS SHOWN
Plot date:
Plot scale:

File name: nwx2-20.DGN
Reference files: NW-BRDR.DGN
T28NA.DGN
A25BNAV.DGN
A21BNAV.DGN
GEOTECH.DGN
DRDGE-AREA.DGN

Dated: JULY 1999
D.O.FILE NO. 8H-37.866

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA

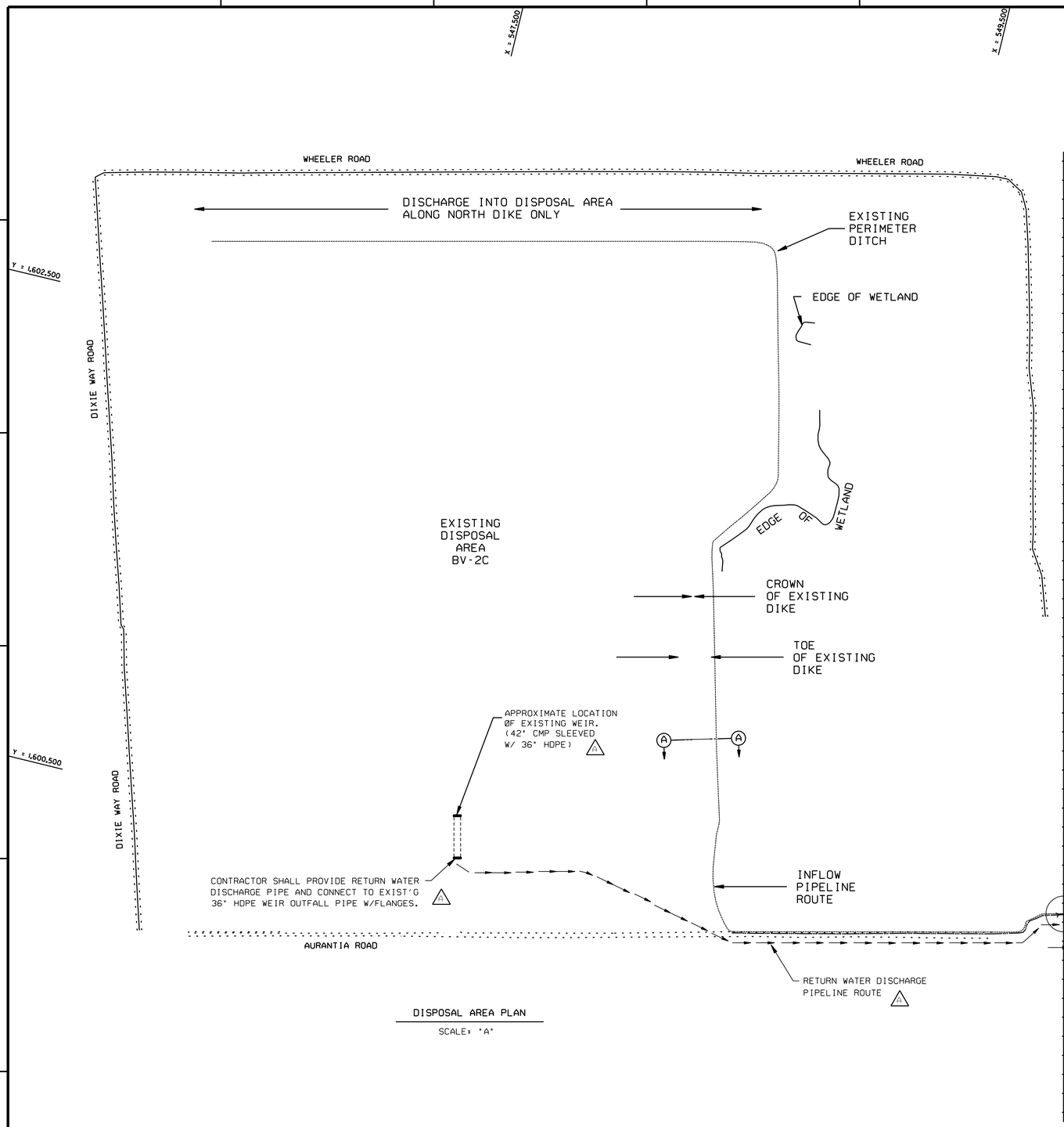
MAINTENANCE DREDGING
12-FOOT PROJECT

VICINITY OF HAILOVER CANAL, BREVARD COUNTY, FLORIDA

DREDGING PLAN AND SECTIONS

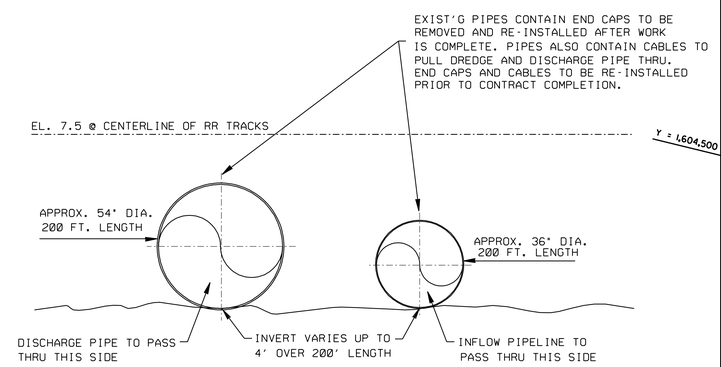
DRAWING NO.

2/20



DISPOSAL AREA PLAN

SCALE: "A"

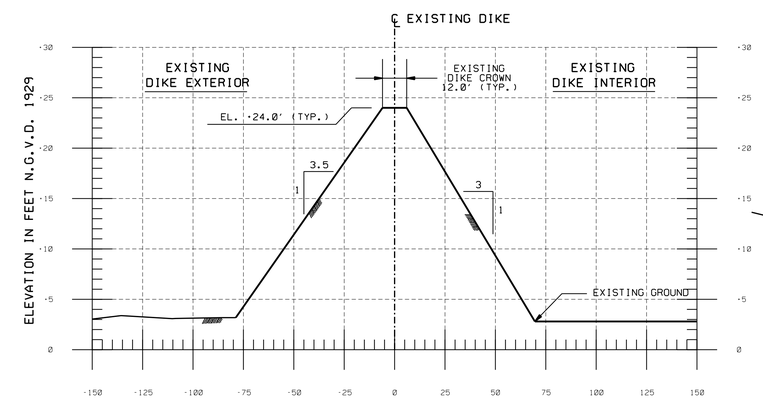


NOTE:

INVERT ELEVATION OF PIPE VARIES THRU UNDERPASS DETAIL. CONTRACTOR SHALL USE FLEXIBLE PIPE OF SUFFICIENT ALLOWABLE DEFLECTION TO PERMIT PULLING OF PIPE THRU UNDERPASS.

EXISTING RAILROAD UNDERPASS DETAIL

N.T.S. (LOOKING WEST) A



EXISTING DIKE SECTION A-A

SCALES: HORIZ. "B"
VERT. "C"

GRAPHIC SCALES:

"A" 200' 0 200' 400'

"B" 30' 0 30' 60'

"C" 6' 0 6' 12'

NOTES:

1. SEE DWG. NO. 1/2 FOR LEGEND AND GENERAL NOTES.

2. SEE DWG. NO. 2/1 FOR CHANNEL SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved
6	A	-	REVISED TO ACCOMPANY AMENDMENT NO. 0002	

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

Designed by: JWB
Drwn by: JWB
Ckd by: LRP
Inv. No.
Dated:
Scale: AS SHOWN
Plot date:
Plot scale:
Dated: JULY 1999
D.O.FILE NO. 8H-37,866

File name: IWW3-1.DGN
Reference files: IWW-BRDR.DGN SITEWORK.DGN DIKE-SEC.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA

MAINTENANCE DREDGING
12-FOOT PROJECT

VICINITY OF HAULOVER CANAL, BREVARD COUNTY, FLORIDA

DISPOSAL AREA PLAN AND DIKE SECTION

DRAWING NO.

3/1