DESIGN AUTHENTICATION

PROJECT: Port Everglades Maintenance Dredging, Broward County, Florida

ATTACHED PLAN SHEETS: 13 sheets

The attached plans were prepared by the Jacksonville District, U.S. Army Corps of Engineers (USACE). The initials or signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by ER 1110-1-8152, 24 Jan 2012, and are not made in the individual capacity of the signatories.

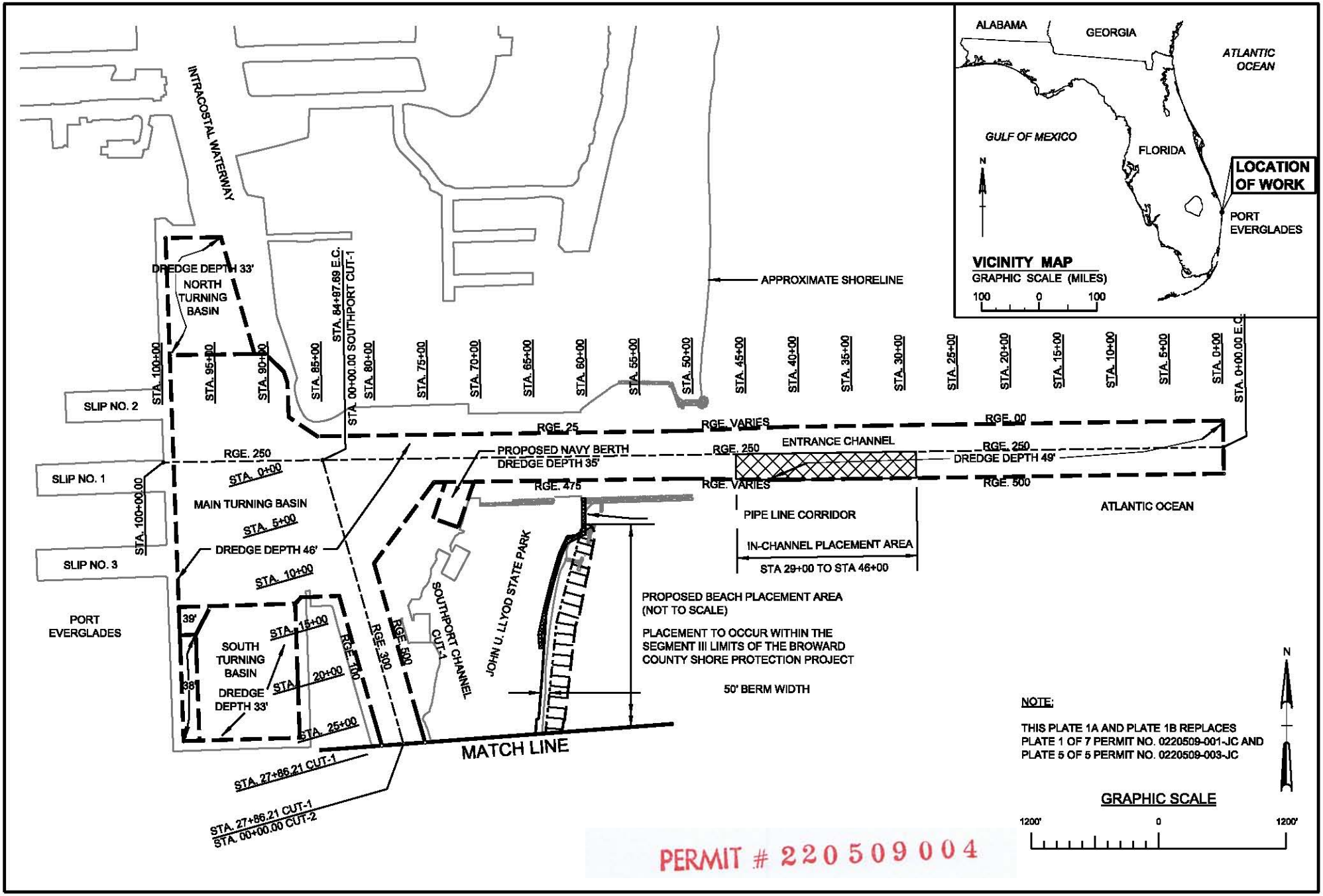
USACE employee signatures are provided in support of the "Interagency Coordination Agreement for Civil Works Projects", signed 28 Feb 2006 by the Florida Department of Environmental Protection, the USACE Jacksonville District, and USACE Mobile District.

These plans are for permitting purposes only, and are not for construction.

15 Jun 2012
DATE

Chief, Operations Division
Jim W. Jeffords, P.E.
Operations Division

Version of Apr 24, 2012.



US Army Corps of Engineers
Jacksonville District

WQC PERMIT PLATE
NOT FOR CONSTRUCTION

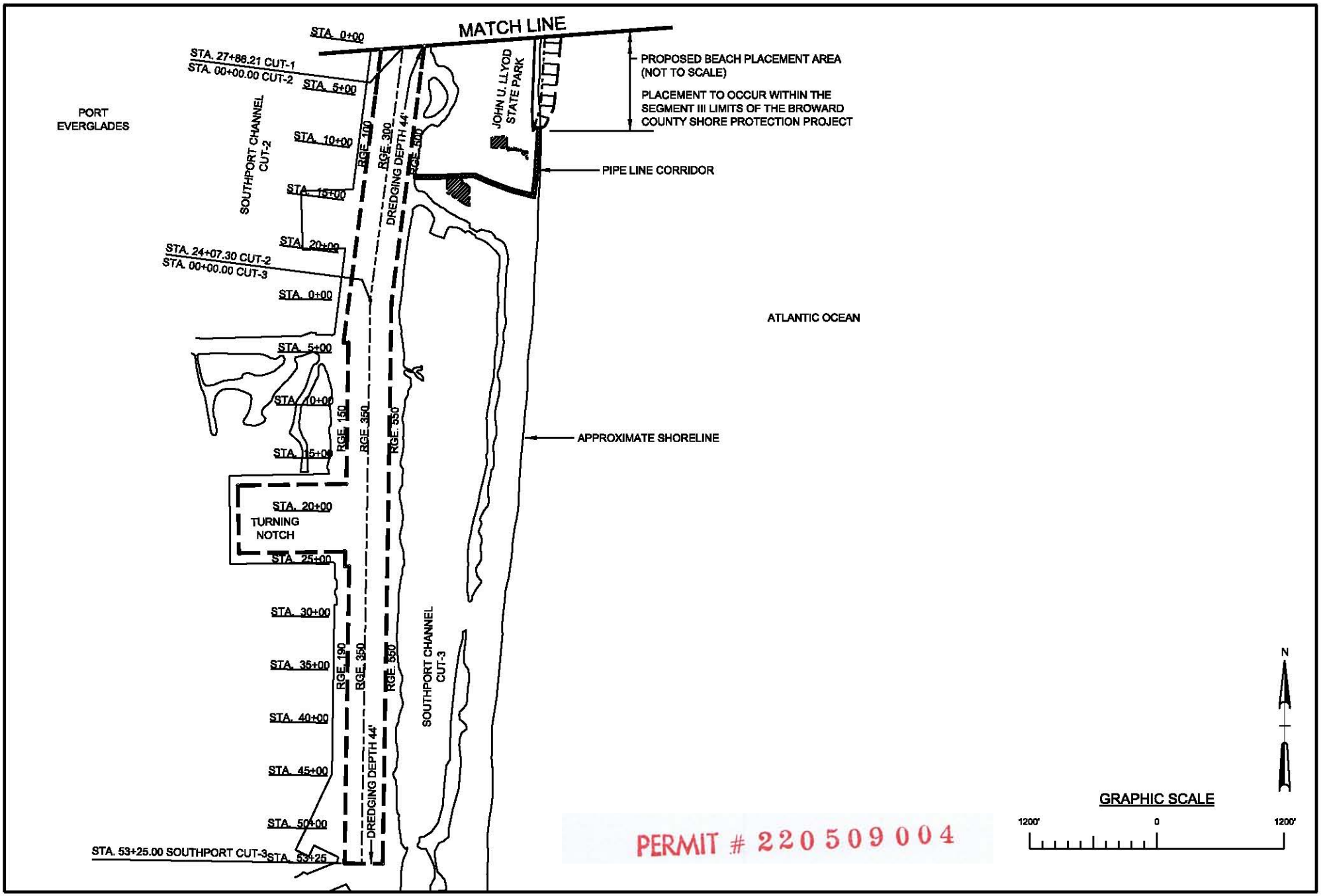
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Dsn by: JWL
Dwn by: JWL
Ckd by: BNH
Dated: MAY 18, 2012

PORT EVERGLADES HARBOR, FLORIDA
MAINTENANCE DREDGING
WQC PERMIT PLATE

ENTRANCE CHANNEL AND TURNING BASINS

PLATE
1A



US Army Corps of Engineers • Jacksonville District

WQC PERMIT PLATE
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JACKSONVILLE, FLORIDA

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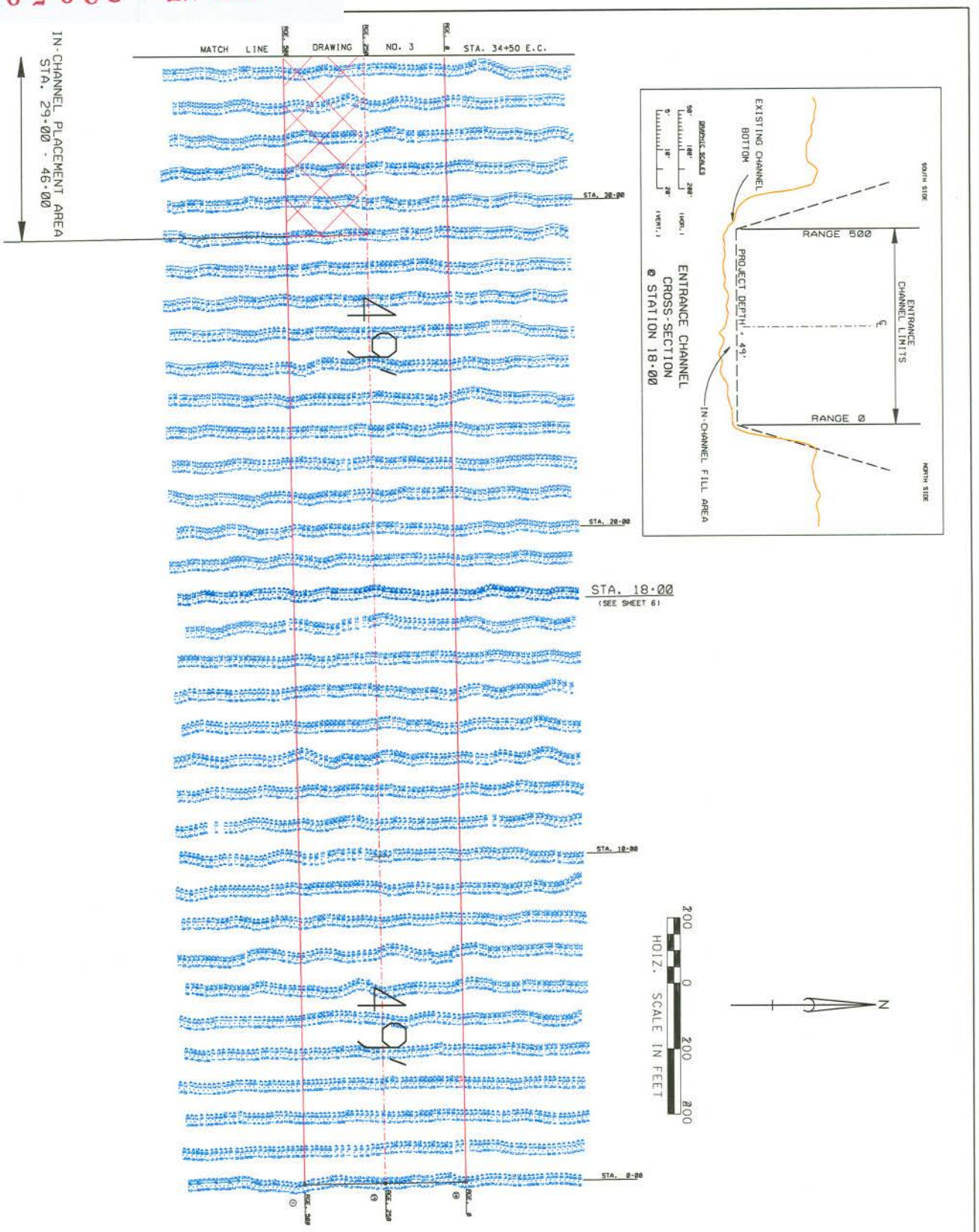
Dated: MAY 18, 2012

PORT EVERGLADES HARBOR, FLORIDA
MAINTENANCE DREDGING
WQC PERMIT PLATE

SOUTHPORT CHANNEL

PLATE
1B

PERMIT # 220509004



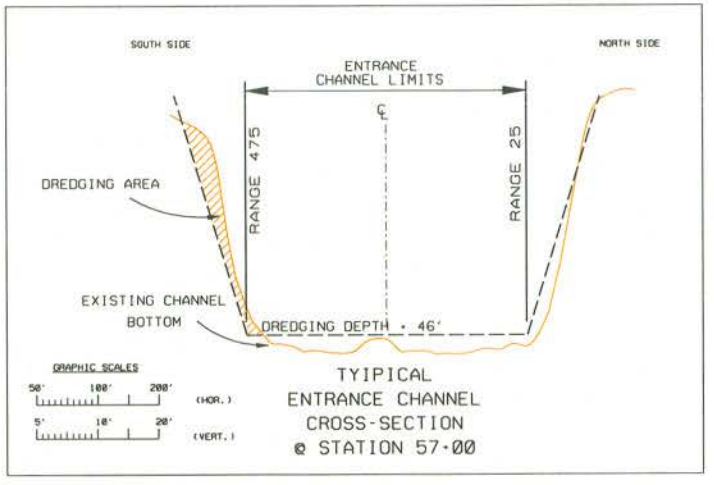
DRAWINGS TO ACCOMPANY THE APPLICATION FOR WATER QUALITY CERTIFICATE SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

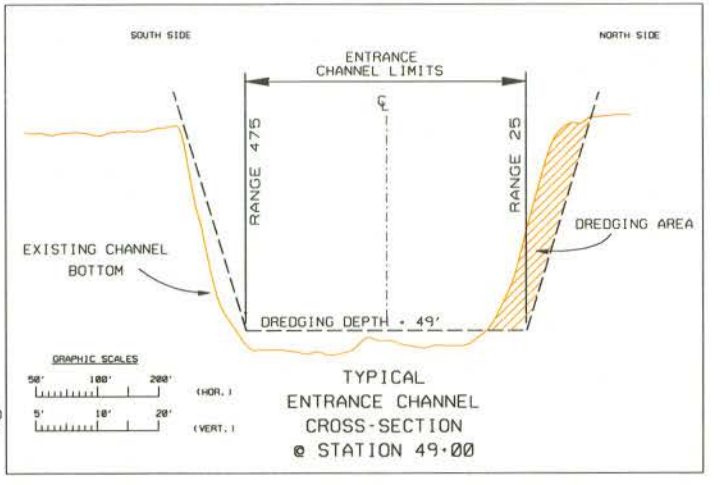
APPLICANT: U.S. ARMY CORPS OF ENGINEERS

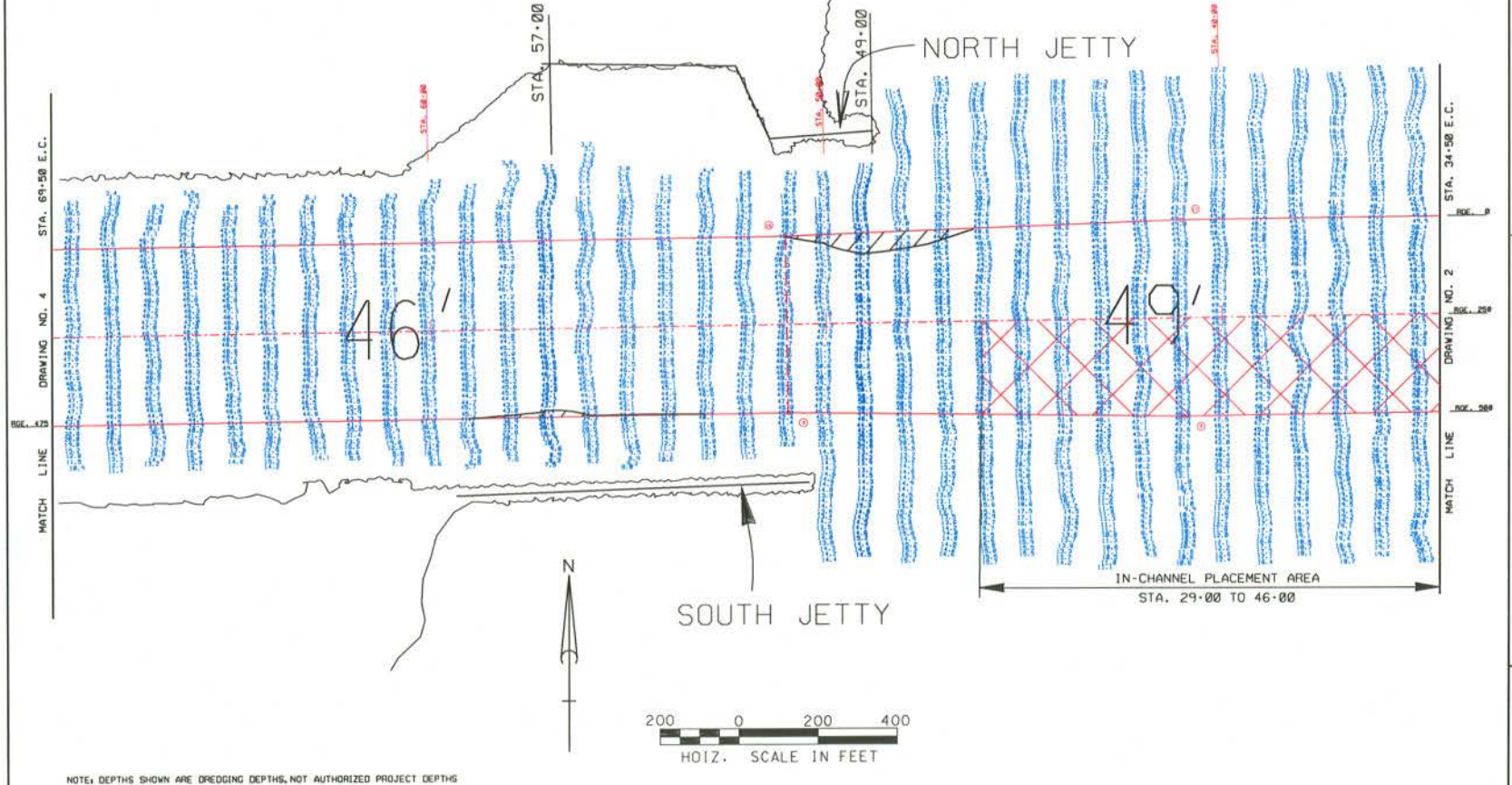
PROJECT: MAINTENANCE DREDGING, PORT EVERGLADES HARBOR, FLORIDA

DATE: APRIL 2004 SHEET 2 OF 7

Permit No. 0220509-001-JC







NOTE: DEPTHS SHOWN ARE DREDGING DEPTHS, NOT AUTHORIZED PROJECT DEPTHS

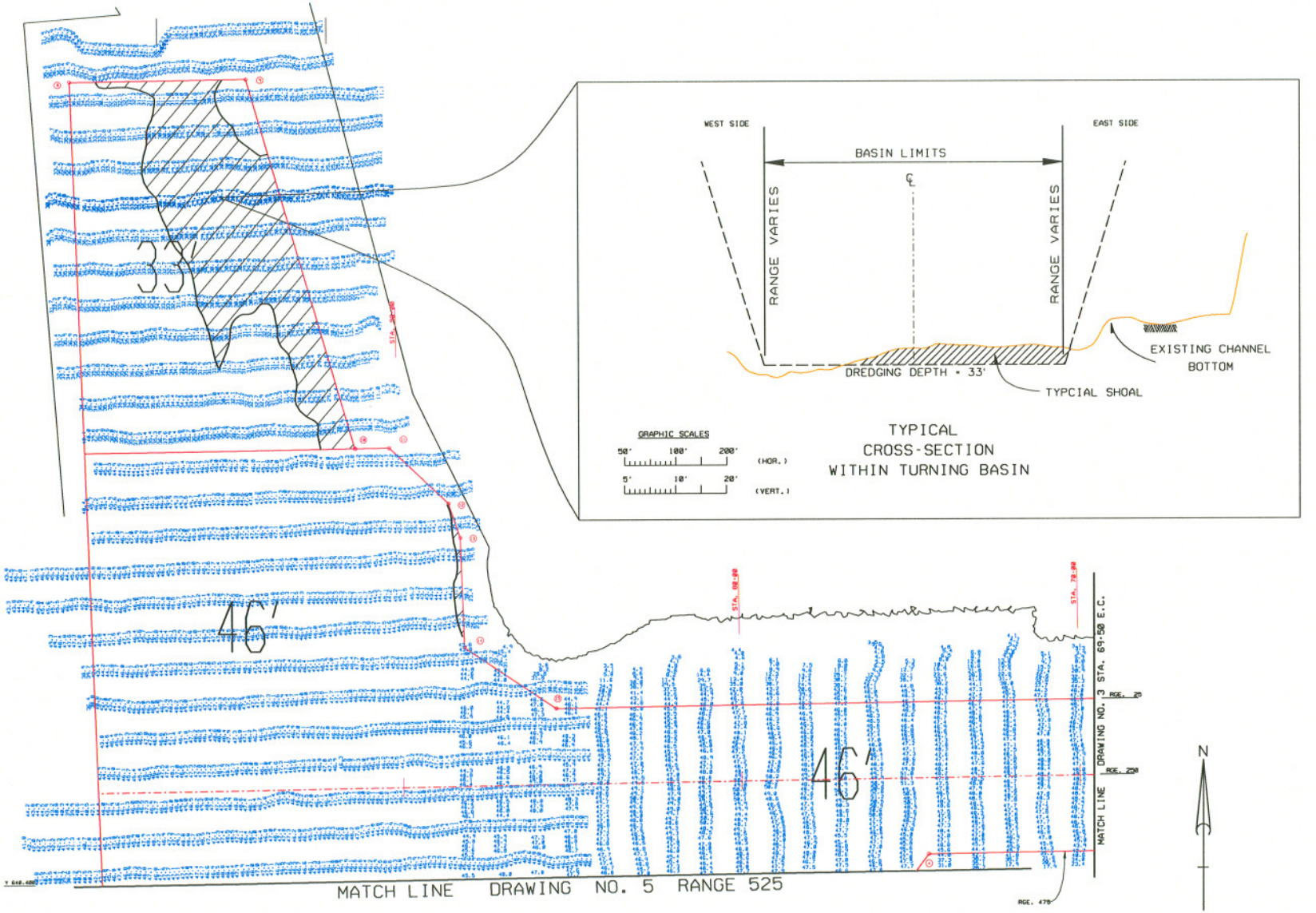
APPLICANT: U.S. ARMY CORPS OF ENGINEERS

PROJECT: MAINTENANCE DREDGING, PORT EVERGLADES HARBOR, FLORIDA

DATE: APRIL 2004 SHEET 3 OF 7

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

PERMIT # 220509004



NOTE: DEPTHS SHOWN ARE DREDGING DEPTHS, NOT AUTHORIZED PROJECT DEPTHS

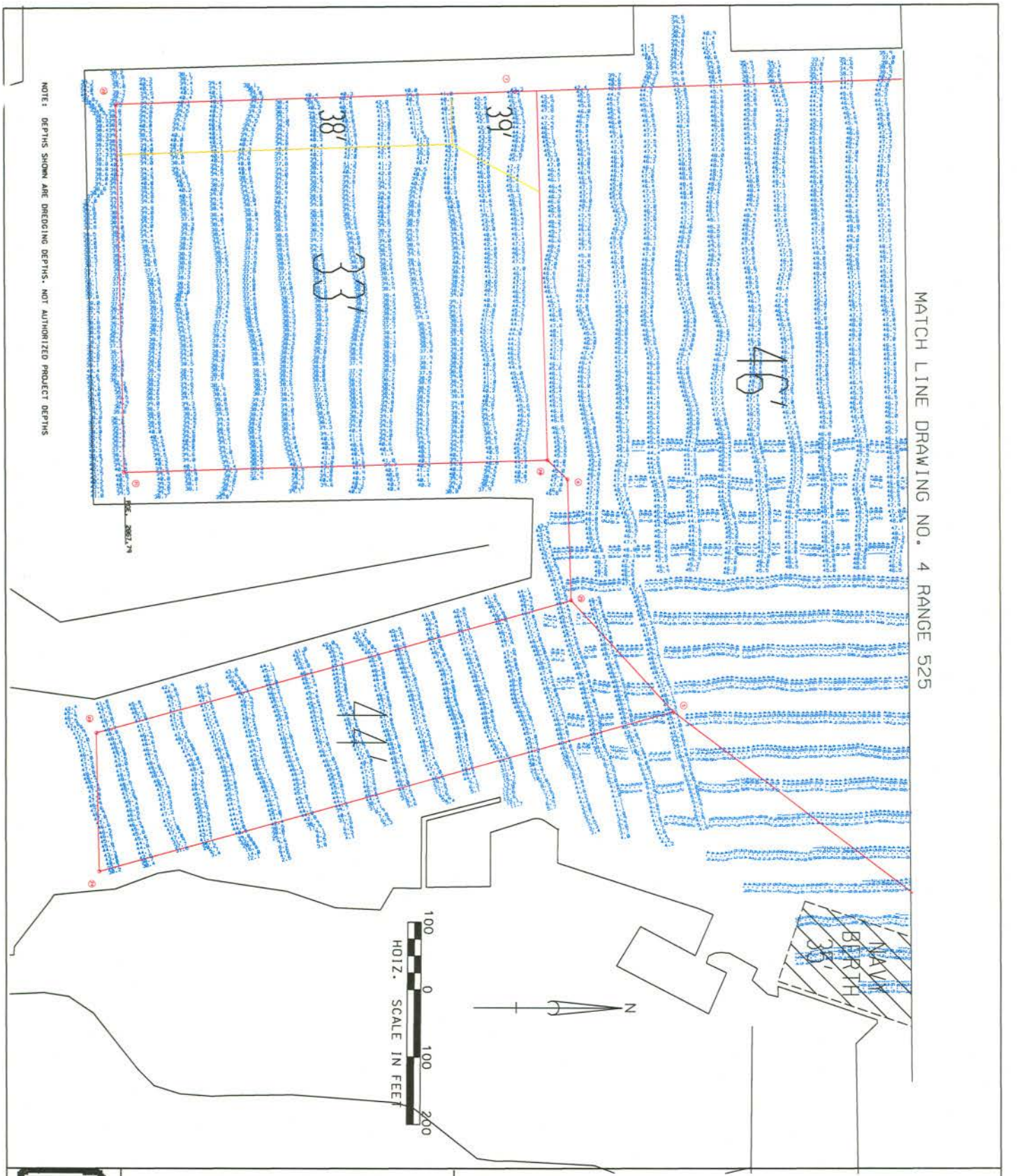
APPLICANT: U.S. ARMY CORPS OF ENGINEERS

PROJECT: MAINTENANCE DREDGING, PORT EVERGLADES HARBOR, FLORIDA

DATE: APRIL 2004 SHEET 4 OF 7

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

PERMIT # 220509004



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APPLICANT: U.S. ARMY CORPS OF ENGINEERS

PROJECT: MAINTENANCE DREDGING,
PORT EVERGLADES HARBOR, FLORIDA

DATE: APRIL 2004 SHEET 5 OF 7

PERMIT # 22050900 4

APPROXIMATELY 4.5 MILES

X 978.886.52
Y 652.474.83

X 973.417.51
Y 652.433.85

ODMDS

X 973.462.51
Y 646.375.85

X 978.932.29
Y 646.416.81

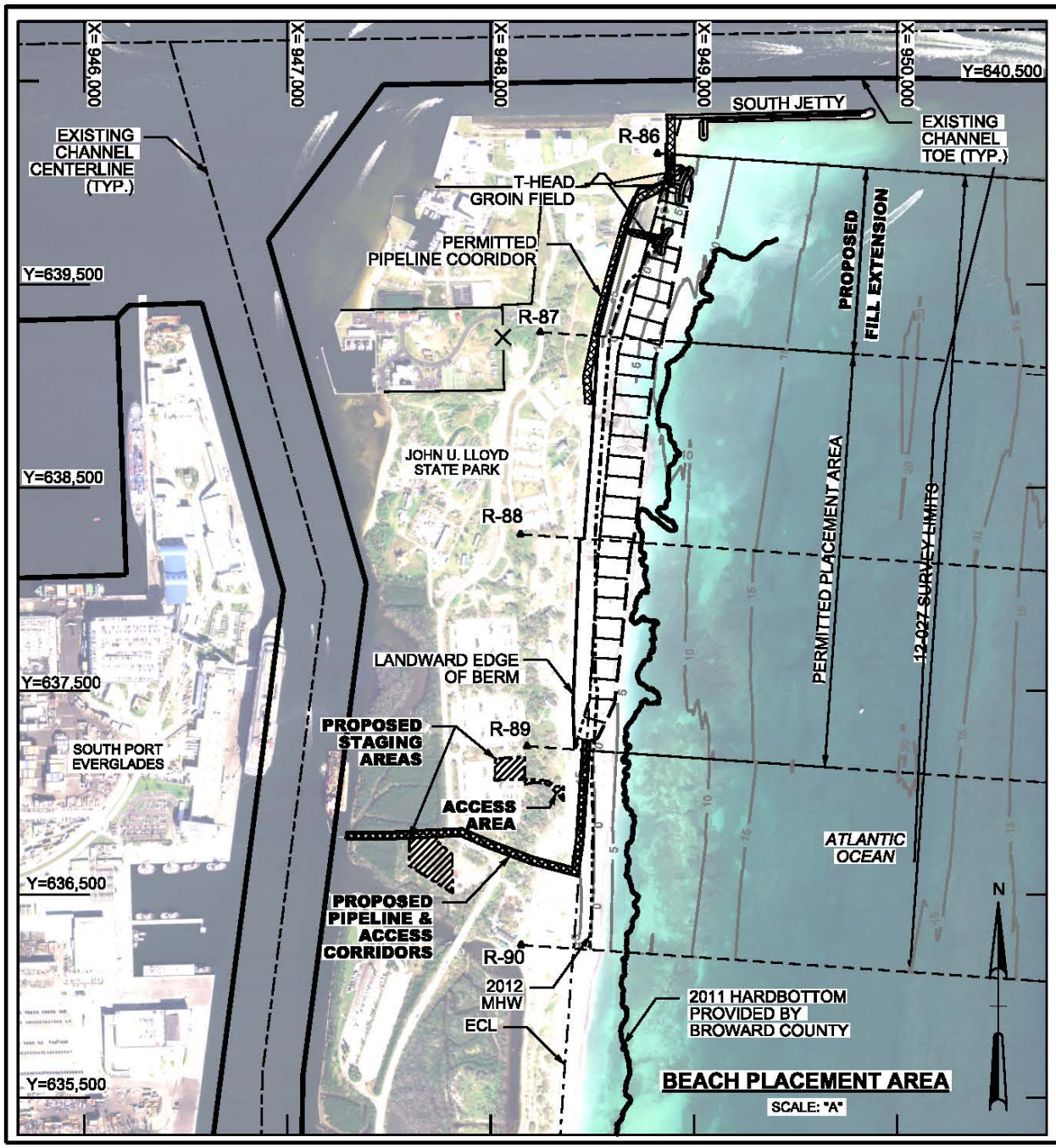
N

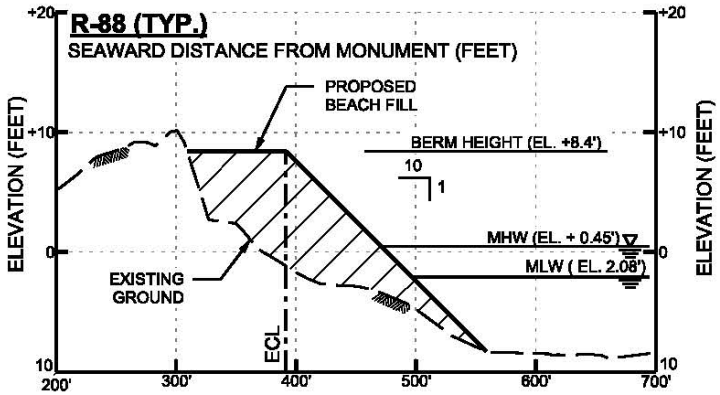
2400 0 2400 4800
SCALE IN FEET

APPLICANT: U.S. ARMY CORPS OF ENGINEERS
PROJECT: MAINTENANCE DREDGING,
PORT EVERGLADES HARBOR, FLORIDA
DATE: APRIL 2004 SHEET 6 OF 7

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

PERMIT # 220509004





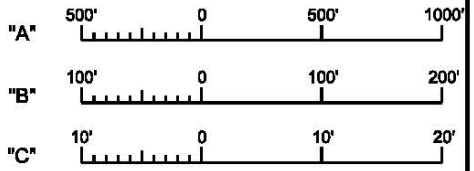
TYPICAL BEACH PROFILE

HORIZONTAL SCALE: "B"
VERTICAL SCALE: "C"

NOTES:

1. THIS PLATE 7 REPLACES PLATE 7 OF 7 PERMIT NO. 0220509-001JC.
2. THE PLANE COORDINATES ARE BASED ON FLORIDA STATE PLANE EAST COORDINATE SYSTEM (0901) AND ARE REFERENCED TO THE 1990 ADJUSTMENT OF THE NORTH AMERICAN DATUM OF 1983 (NAD83(90)).
3. ELEVATIONS ARE IN FEET AND BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. THE MHW AND MLW ELEVATIONS WERE DERIVED FROM NOAA TIDE STATION 8722951 USING THE TIDAL EPOCH (1983-2001).
5. FIELD DATA WAS COLLECTED ON 8 FEB 2012. ALL ELEVATIONS ARE BELOW REFERENCE PLANE UNLESS PRECEDED BY A (+) SIGN
6. BERM HEIGHT DATUM WAS CHANGED FROM NGVD29 TO NAVD88. AT THE PLACEMENT AREA, THE PERMITTED BERM HEIGHT WAS +10' (NGVD29) WHICH CONVERTS TO +8.4' (NAVD88).

GRAPHIC SCALES



US Army Corps of Engineers
Jacksonville District

WQC PERMIT PLATE
NOT FOR CONSTRUCTION

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

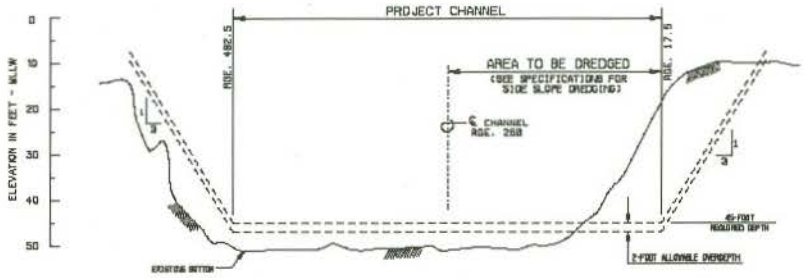
Dsn by: JWL
Dwn by: JWL
Ckd by: BNH
Dated: MAY 18, 2012

PORT EVERGLADES HARBOR, FLORIDA
MAINTENANCE DREDGING
WQC PERMIT PLATE

BERM HEIGHT DATUM CONVERSION, PROPOSED ADDITIONAL PIPELINE CORRIDOR & CONSTRUCTION STAGING AND ACCESS AREAS

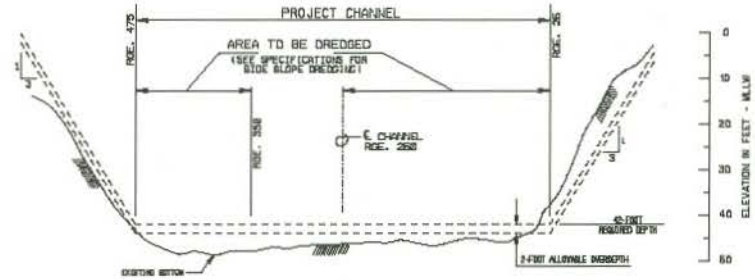
PLATE
7

PERMIT # 220509004



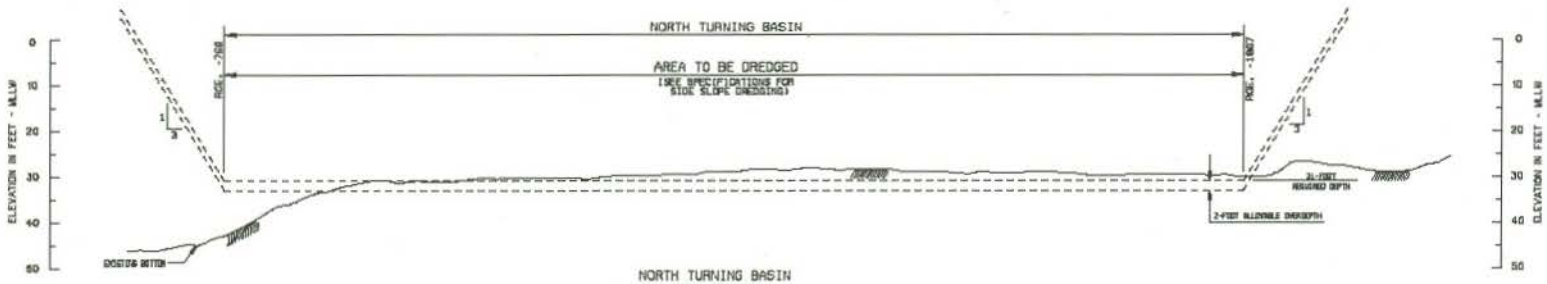
ENTRANCE CHANNEL
STA. 48+00

SCALES: HORIZ. 'A'
VERT. 'B'



ENTRANCE CHANNEL
STA. 52+00

SCALES: HORIZ. 'A'
VERT. 'B'



NORTH TURNING BASIN
STA. 95+00

SCALES: HORIZ. 'A'
VERT. 'B'

GRAPHIC SCALES

'A' 50' 0 50' 100'

'B' 10' 0 10' 20'

NOTES:

1. SEE DWG. NO. G 102 FOR LEGEND AND GENERAL NOTES.
2. SEE DWG. NO. C 101 FOR CHANNEL SURVEY NOTES.

PERMIT # 220509004

US Army Corps of Engineers
Jacksonville District

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

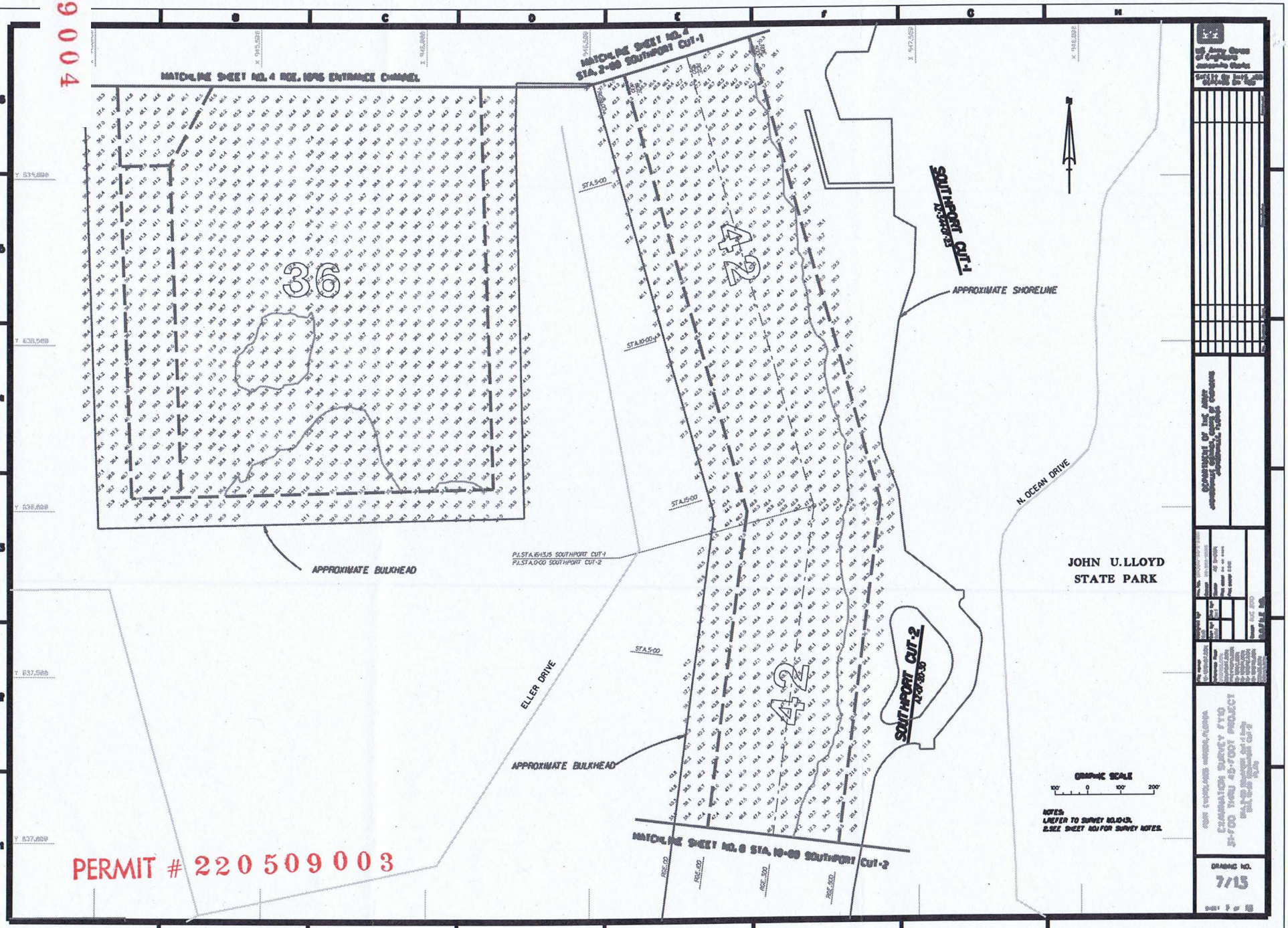
D.O.FILE NO. 19-38,448

PORT everglades HARBOR

MAINTENANCE DREDGING
31-FOOT PROJECT
ENTRANCE CHANNEL AND NORTH TURNING BASIN

DREDGING SECTIONS

DRAWING NO.
C 105



PERMIT # 220509003

220509004

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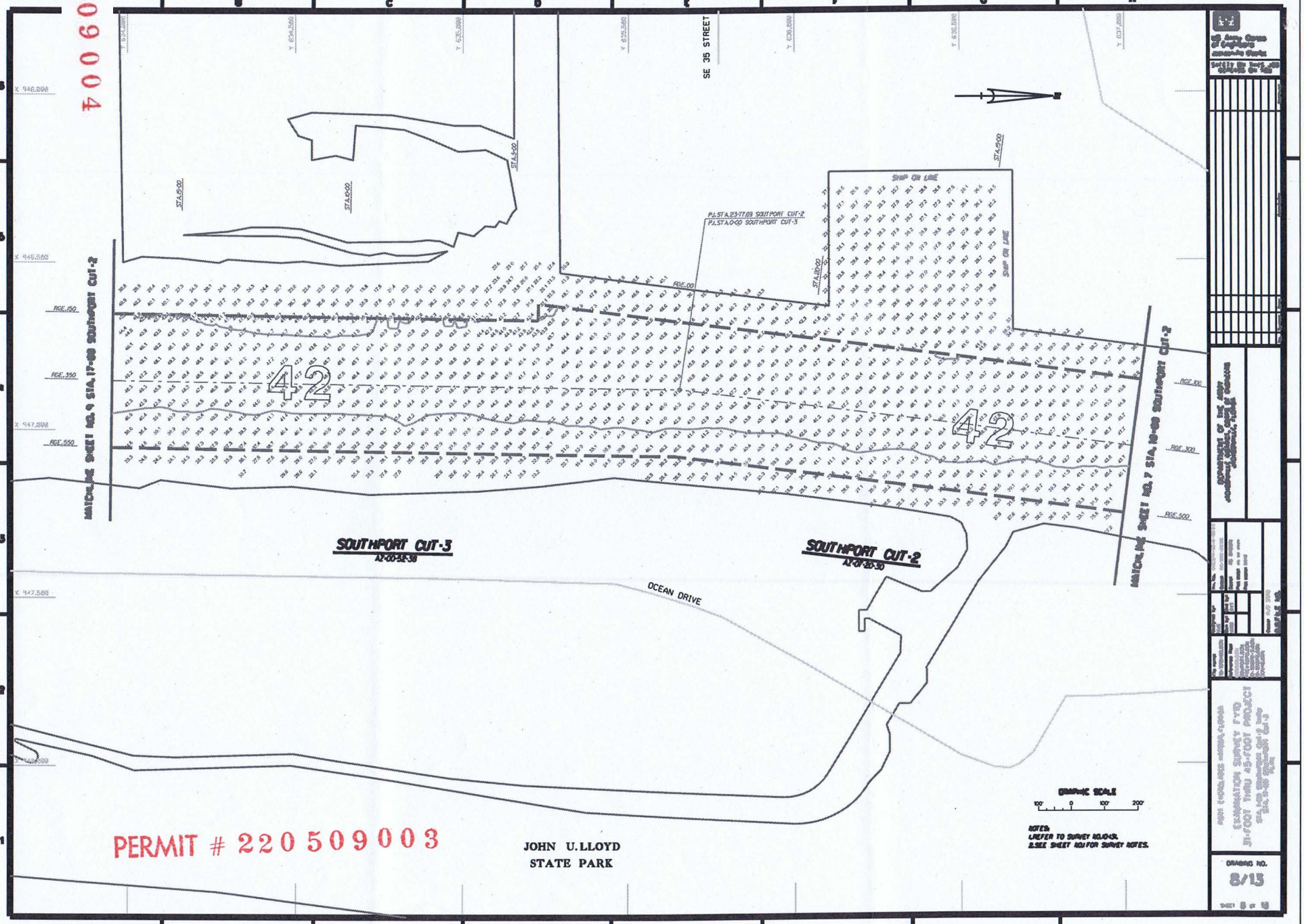

PERMIT # 220509003

JOHN U.LLOYD
STATE PARK

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220509004

SOUTHPORT CUT-3

APPROXIMATE BULKHEAD

APPROXIMATE SHORELINE

OCEAN DRIVE

JOHN U.LLOYD
STATE PARK

GRAPHIC SCALE

NOTES:
1.REFER TO SURVEY NO.10-13.
2.SEE SHEET NO.1 FOR SURVEY NOTES.

DRAWING NO.
9/13

PERMIT # 220509003

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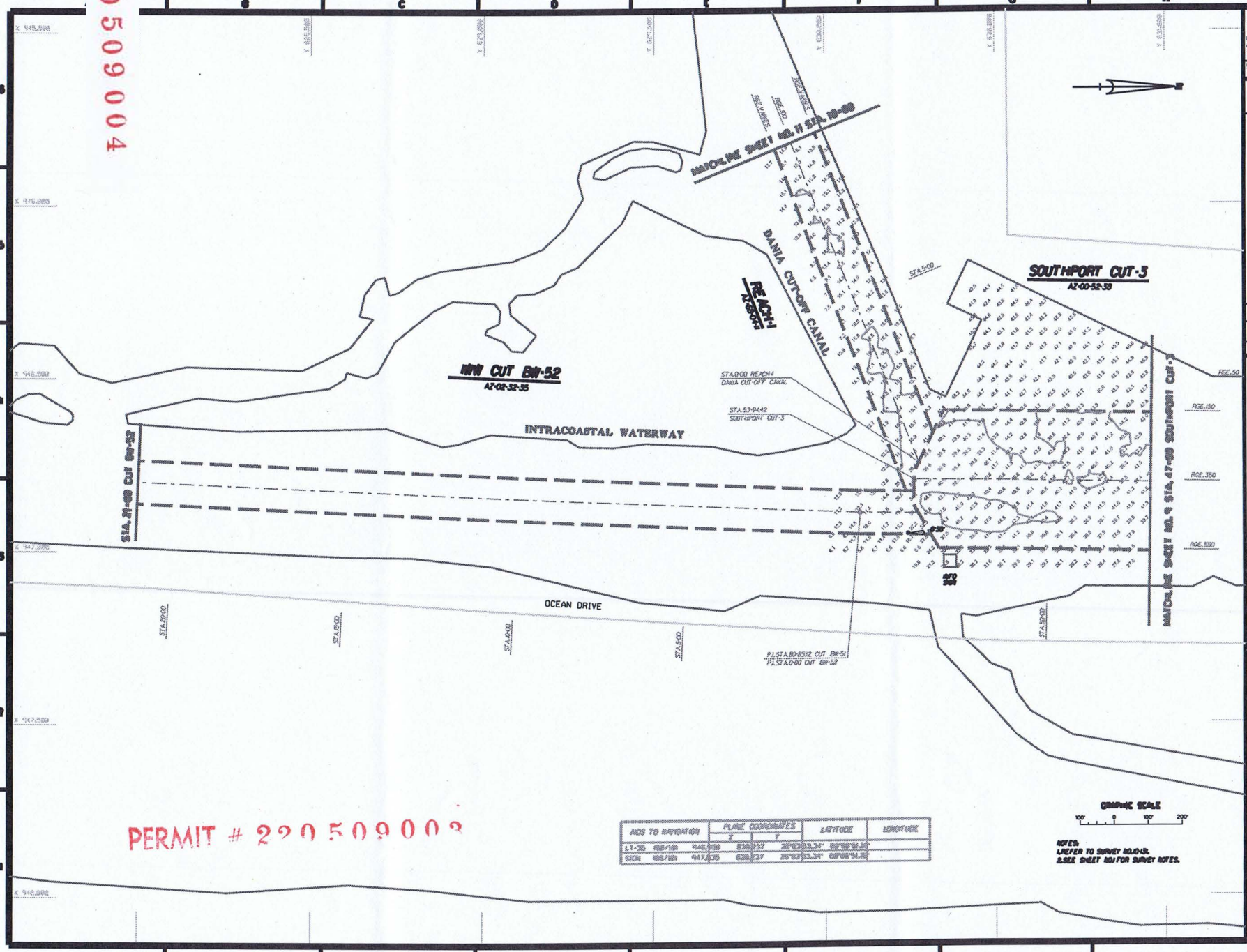
PERMIT # 220509004



AIDS TO NAVIGATION		PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
LT-35	486/189	948,988	636,037	26°07'33.34"	80°08'01.16"
SIGN	486/189	947,435	636,037	26°07'33.34"	80°08'04.16"

PERMIT # 220509003