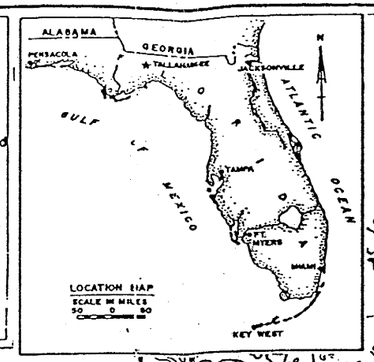
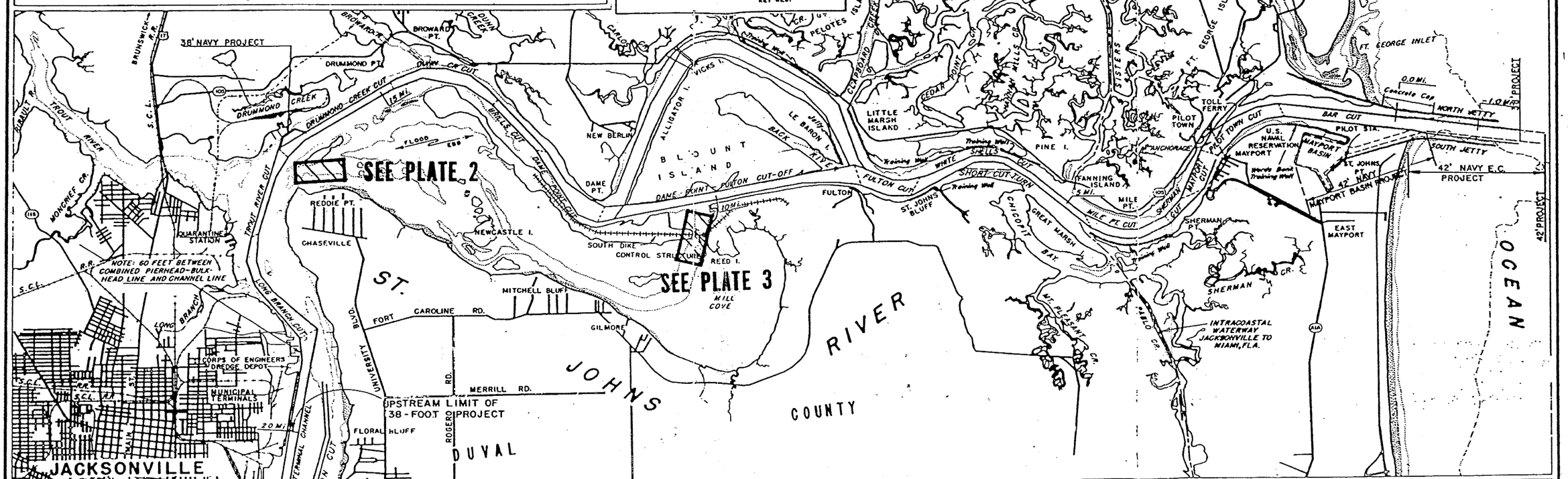
PROJECT: Channel 38 feet deep by 400-1,200 feet wide from ocean to mile 20 via Dame Point-Fulton Cutoff, thence 34 feet to Commodore Point, and thence 30 feet deep to the F.E.C. Railway bridge at Jacksonville, including a 30-foot channel in Arlington Cut and in the old Dame Point-Fulton Channel; maintenance of the existing 42- and 40-foot depth entrance channel; widening of channel by 100 feet near Mile 5 and by 200 feet near Mile 7; maintenance of jetties at channel entrance; construction of training walls and revetments; a navigation and floodway channel 26 X 200 feet along south side of Commodore Point; an approach and mooring basin 20 feet deep, 1,300 feet long at 20-foot depth contour and 600 feet long at pierhead line near Naval Reserve Armory in South Jacksonville; a depth of 24 feet between that depth contour and the pierhead line from Hogan Creek to the foot of Laura St.; and a depth of 28 feet to within 60 feet of pierhead line between foot of Laura St. and St. Elmo W. Acosta (formerly upper State) Bridge. Length of project is about 26.8 miles. In addition the Navy has provided funds for a deeper Jax. Harbor entrance channel 42 feet deep and 800 long. Intersecting with the Navys' Mayport entrance channel to the Mayport turning basin also an extension of the existing project to provide 38 foot depth at the Navy Fuel Depot, Drummond creek.

MEAN TIDAL RANGE: 4.9 feet at entrance, 4.5 feet at Mayport, 3.0 feet at Dame Point, and 1.2 feet at Jacksonville.





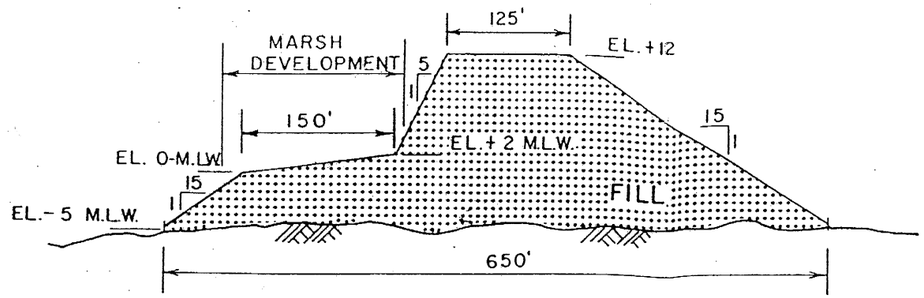
AUTHORIZATION FOR EXISTING PROJECT		
ACTS	WORK AUTHORIZED	DOCUMENTS
ST. JOHNS RIVER, FLA. OPPOSITE THE CITY OF JACKSONVILLE.		
2 Mar. 1907	The 24-foot area from Hogan Creek to F.E.C. Ry. bridge.	H. Doc. 663/59/1
ST. JOHNS RIVER, FLA.		
14 June 1880	Jetties at entrance (maintenance only).	A.R. for 1879, p.767
3 June 1896	Extension of jetties, etc. (maintenance only).	H. Ex. Doc. 346/53/3 B.A.R. for 1895, p.1586
25 June 1910	Main channel 30 x 300-600 feet; anchorage basin at Mayport; and training walls and revetments.	H. Doc. 611/61/2
ST. JOHNS RIVER, FLA., JACKSONVILLE TO THE OCEAN		
5 June 1920	Consolidation of above projects.	Specified in act
3 July 1930	Widening bend at Dame Point to 900 feet.	H. Doc. 483/70/2
30 Aug. 1935	Widening Drummond, Trout, and Six Mile Creek (now Long Branch) Cuts to 400 feet; and Terminal Channel 30 x 400 feet.	S. Comm. P. 74/1
2 Mar. 1945	Maintenance of existing channel widths; widening Terminal Channel to 590 feet; the 28-foot area between Laura St. and St. Elmo W. Acosta Bridge; channel along south side of Commodore Point; and basin at Naval Reserve Armory.	H. Doc. 322/77/1
2 Mar. 1945	Main channel 34 feet deep via Terminal Channel.	S. Doc. 230/78/2
2 Mar. 1945	Dame Point-Fulton Cut-off 34 x 500 feet.	S. Doc. 179/79/2

AUTHORIZATION FOR EXISTING PROJECT		
ACTS	WORK AUTHORIZED	DOCUMENTS
27 Oct. 1965	Maintain existing entrance channel depths of 40 and 42 feet; deepen main ship channel to 38-foot depth to Mile 20; and widen channel near Mile 5 and near Mile 7.	H. Doc. 214/89/1

JACKSONVILLE HARBOR (MILL COVE), FLORIDA

PLAN AND LOCATION MAP

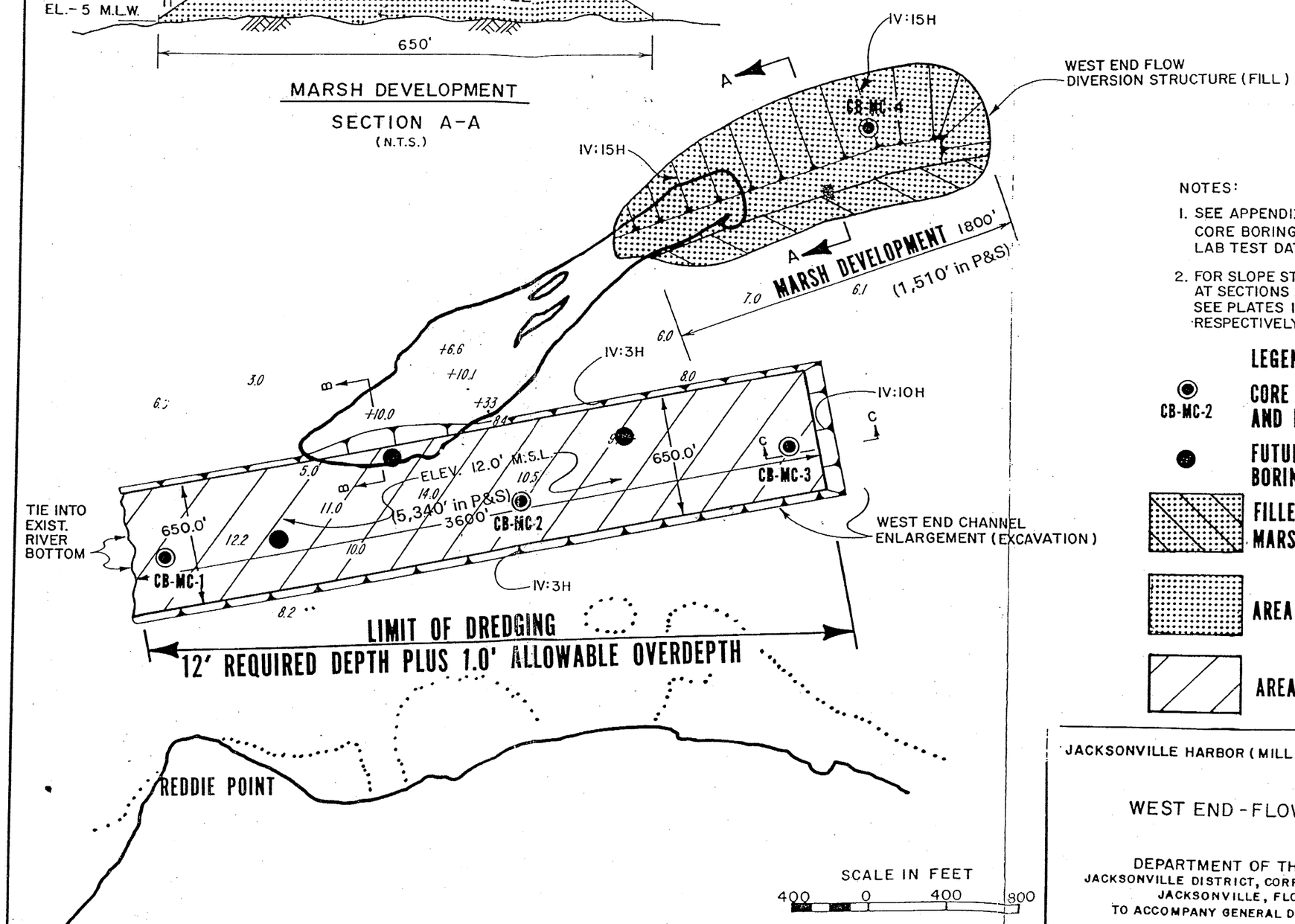
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA
TO ACCOMPANY GENERAL DESIGN MEMO.,
DATED: MAY 1986 FILE NO. 1-34,662



MARSH DEVELOPMENT

SECTION A-A

(N.T.S.)



NOTES:

1. SEE APPENDIX A FOR CORE BORING LOGS AND LAB TEST DATA.
2. FOR SLOPE STABILITY ANALYSIS AT SECTIONS A-A, B-B AND C-C, SEE PLATES 14, 12, AND 13 RESPECTIVELY.

LEGEND:

- CB-MC-2 — CORE BORING LOCATION AND DESIGNATION
- FUTURE CORE BORING LOCATION
- FILLED AREA WITH MARSH DEVELOPMENT
- AREA TO BE FILLED
- AREA TO BE DREDGED

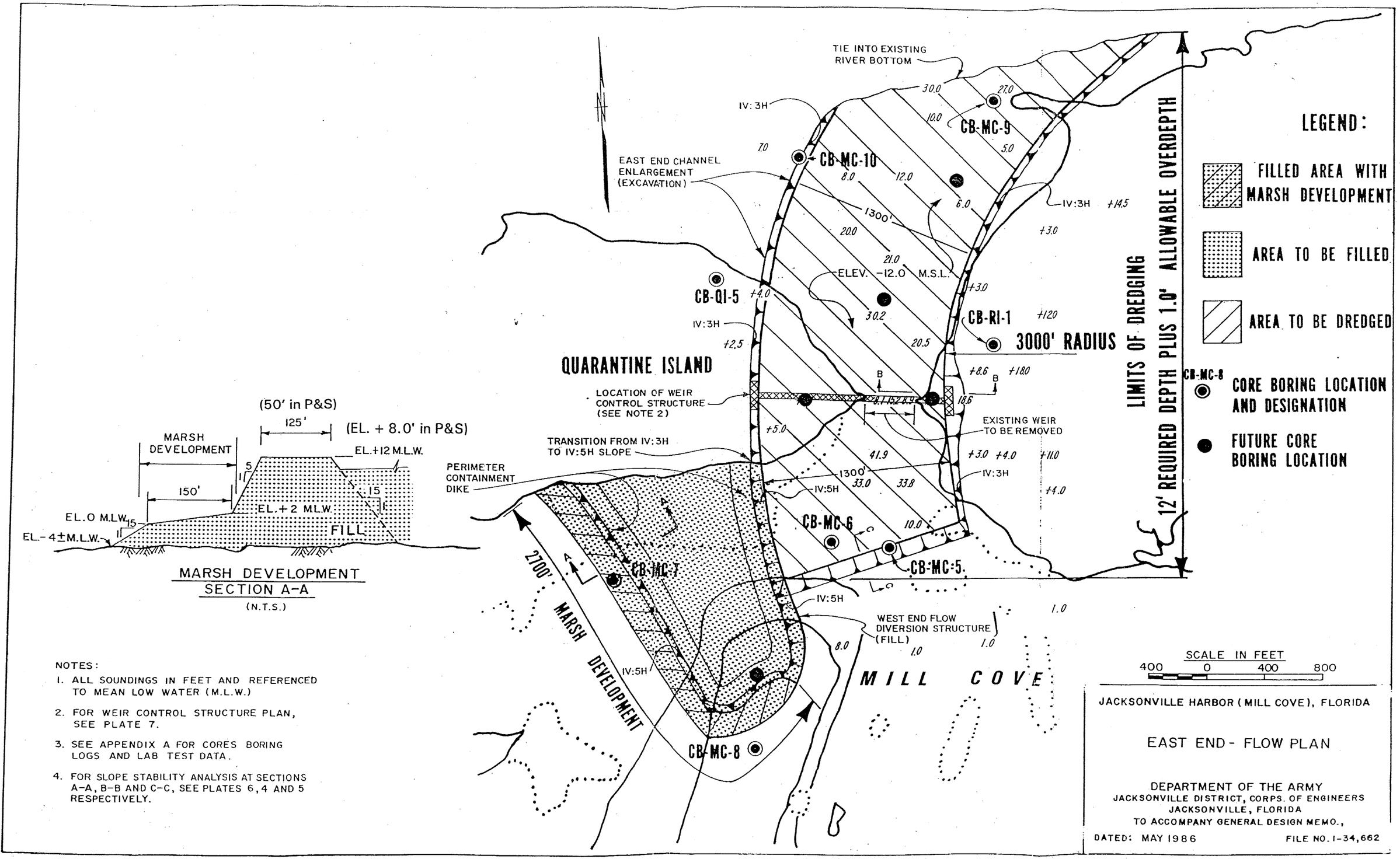
JACKSONVILLE HARBOR (MILL COVE), FLORIDA

WEST END - FLOW PLAN

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS. OF ENGINEERS
JACKSONVILLE, FLORIDA
TO ACCOMPANY GENERAL DESIGN MEMO.,

DATED: MAY 1986

FILE NO. I-34,662



NOTES:

1. ALL SOUNDINGS IN FEET AND REFERENCED TO MEAN LOW WATER (M.L.W.)
2. FOR WEIR CONTROL STRUCTURE PLAN, SEE PLATE 7.
3. SEE APPENDIX A FOR CORES BORING LOGS AND LAB TEST DATA.
4. FOR SLOPE STABILITY ANALYSIS AT SECTIONS A-A, B-B AND C-C, SEE PLATES 6, 4 AND 5 RESPECTIVELY.

JACKSONVILLE HARBOR (MILL COVE), FLORIDA

EAST END - FLOW PLAN

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS. OF ENGINEERS
JACKSONVILLE, FLORIDA
TO ACCOMPANY GENERAL DESIGN MEMO.,

DATED: MAY 1986 FILE NO. I-34,662