DESIGN AUTHENTICATION

PROJECT: Beach Erosion Control and Hurricane Protection Project, Miami-Dade County, Florida

ATTACHED PLAN SHEETS: 5 Plates

The attached plan was prepared by the Jacksonville District, U.S. Army Corps of Engineers (USACE). The initials or signatures and registrations designations of the signatory below or that appear on these project documents are within the scope of employment as required by USACE Engineering Regulation 1110-1-8152, PROFESSIONAL REGISTRATION, 8 Aug 1995, 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.

David Dudley P.E.
Chief, Design Branch (CH EN-D)
Engineering Division

4/4/16
DATE

5 plates dated Dec. 2015.

NOTES:

1. AERIAL PHOTOGRAPHY DATED 2012.
2. MHW CONTOUR BASED ON BEACH SURVEY DATED AUGUST 2015.

US Army Corps of Engineers® Jacksonville District	**NOT FOR CONSTRUCTION PERMIT DRAWINGS** DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	BEACH EROSION CONTROL AND HURRICANE PROTECTION PROJECT MIAMI-DADE COUNTY, FLORIDA **BEACH RENOURISHMENT - MIAMI BEACH HOTSPOTS** 55TH STREET PLACEMENT AREA	DATE	APPROVED	REVISION	DATE: DEC. 2015 DWN BY: M.P.N PLATE: 1 OF 5

NOTES:

1. AERIAL PHOTOGRAPHY DATED 2012.
2. MHW CONTOUR BASED ON BEACH SURVEY DATED AUGUST 2015.

US Army Corps of Engineers® Jacksonville District	**NOT FOR CONSTRUCTION PERMIT DRAWINGS** DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	BEACH EROSION CONTROL AND HURRICANE PROTECTION PROJECT MIAMI-DADE COUNTY, FLORIDA **BEACH RENOURISHMENT - MIAMI BEACH HOTSPOTS** 46TH STREET PLACEMENT AREA	DATE	APPROVED	REVISION	DATE: DEC. 2015 DWN BY: M.P.N PLATE: 2 OF 5

TYPICAL BEACH PROFILE

US Army Corps of Engineers® Jacksonville District

NOT FOR CONSTRUCTION PERMIT DRAWINGS

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

BEACH EROSION CONTROL AND HURRICANE PROTECTION PROJECT
MIAMI-DADE COUNTY, FLORIDA

BEACH RENOURISHMENT - MIAMI BEACH HOTSPOTS

TYPICAL BEACH PROFILE

DATE	APPROVED	REVISION

DATE: DEC. 2015
DWN BY: M.P.N
PLATE: 3 OF 5

PROFILE R-49.5

PROFILE R-50

NOTES:

1. THE HORIZONTAL DISTANCES ARE IN FEET ALONG FDEP RANGE MONUMENT AZIMUTH. AZIMUTHS ARE NOT PERPENDICULAR TO THE ECL, THEREFORE SLOPES AND DISTANCES ARE NOT EXACTLY 1V:15H AND 230 FEET RESPECTIVELY.

US Army Corps of Engineers® Jacksonville District	**NOT FOR CONSTRUCTION PERMIT DRAWINGS** DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	BEACH EROSION CONTROL AND HURRICANE PROTECTION PROJECT MIAMI-DADE COUNTY, FLORIDA **BEACH RENOURISHMENT - MIAMI BEACH HOTSPOTS** BEACH PROFILES 55TH STREET	DATE	APPROVED	REVISION	DATE: DEC. 2015 DWN BY: M.P.N PLATE: 4 OF 5

PROFILE R-54

PROFILE R-54.5

PROFILE R-55

NOTES:

1. THE HORIZONTAL DISTANCES ARE IN FEET ALONG FDEP RANGE MONUMENT AZIMUTH. AZIMUTHS ARE NOT PERPENDICULAR TO THE ECL, THEREFORE SLOPES AND DISTANCES ARE NOT EXACTLY 1V:15H AND 230 FEET RESPECTIVELY.

US Army Corps of Engineers® Jacksonville District	**NOT FOR CONSTRUCTION PERMIT DRAWINGS** DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	BEACH EROSION CONTROL AND HURRICANE PROTECTION PROJECT MIAMI-DADE COUNTY, FLORIDA **BEACH RENOURISHMENT - MIAMI BEACH HOTSPOTS** BEACH PROFILES 46TH STREET	DATE	APPROVED	REVISION	DATE: DEC. 2015 DWN BY: M.P.N PLATE: 5 OF 5