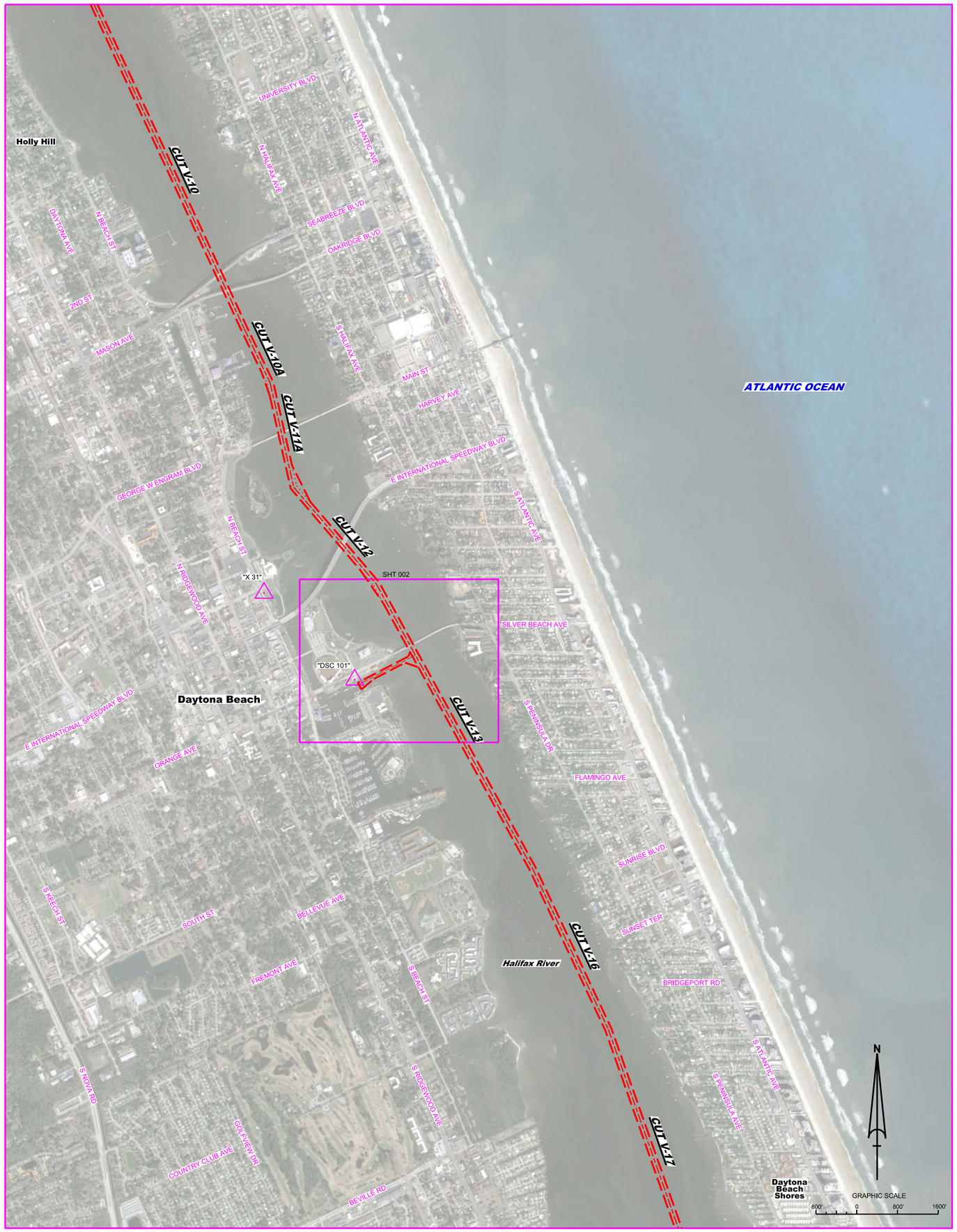

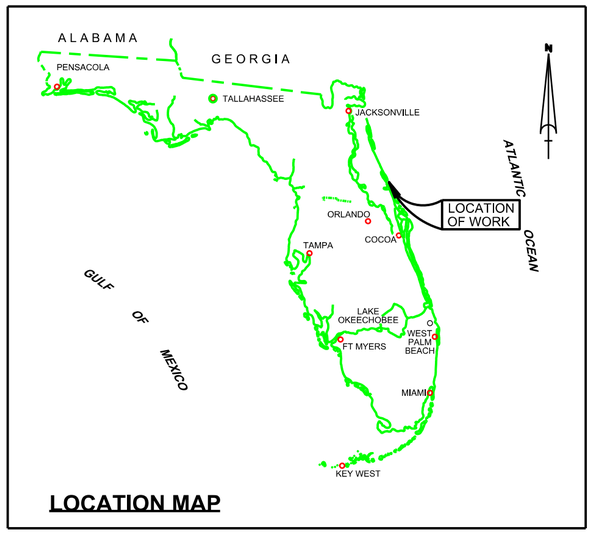

LOCATION MAP

DAYTONA BEACH SIDE CHANNEL
VOLUSIA COUNTY, FLORIDA
PROJECT CONDITION SURVEY FY16
8-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 16-042.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "VOLUSIA-BREVARD(W-O_CANAVERALHBR_2016 05 06.KTD".
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "DSC 101" (PID: BBFF26)
8. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:

   NGS BENCHMARK USED FOR ENTIRE PROJECT (PID: AQ1151)

   VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 6205 COMBINED SIDESCAN AND MULTI-BEAM. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-48	07 JUN 2016	DAYTONA SIDE CHANNEL

9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY.
11. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 30 NOV 13.

LEGEND	
△	MONUMENT
	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
C	CAN BUOY
N	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: WRM
DWN by: WRM
Ckd by: GMR
Proj. No. W912EP-XX-X-XXXX
Date: JUN 2016

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
DAYTONA-CAICCF-INTERM.DGN
IWW-CANGMCCF.DGN
T-H42-CAIS-BRDR.DGN
Reference files:
T-H42-VH-WZ.DGN
File name:

DAYTONA BEACH
VOLUSIA COUNTY, FLORIDA
PROJECT CONDITION SURVEY FY16
8-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 02

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-1 (06/16)	652,592	1,772,742	29°12'36.92"	81°00'40.33"
DBN-2 (06/16)	652,601	1,772,847	29°12'37.96"	81°00'40.23"
DBN-3 (06/16)	652,364	1,772,637	29°12'35.88"	81°00'42.90"
DBN-4 (06/16)	652,352	1,772,716	29°12'36.66"	81°00'43.04"
DBN-5 (06/16)	651,886	1,772,379	29°12'33.32"	81°00'48.29"
DBN-6 (06/16)	651,884	1,772,466	29°12'34.19"	81°00'48.31"

Halifax River

DAYTONA SIDE CHANNEL

CUT V-13

P.I. STA. 15+92.23 CUT V-13
P.I. STA. -0+62.52 DAYTONA SIDE CHANNEL

STA. 0+00
STA. 5+00
STA. 10+00
STA. 15+00
STA. 20+00
STA. 25+00
STA. 30+00
STA. 11+89.88

R"2"
R"4"
R"6"
G"1"
G"3"3
G"5"
"DSC 101"

E INTERNATIONAL SPEEDWAY BLVD
E MAGNOLIA AVE
CITY ISLAND PKWY
ORANGE AVE
S BEACH ST
BASIN ST
LIVE OAK AVE
EASTWOOD LN
PHOENIX AVE
S PENINSULA DR
MOBILE AVE
SILVER BEACH AVE

X= 650500
X= 651000
X= 651500
X= 652000
X= 652500
X= 653000
X= 653500
X= 654000
Y= 1774000
Y= 1773500
Y= 1773000
Y= 1772500
Y= 1772000
Y= 1771500

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 16-042.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: WRM
Drawn by: WRM
Chk'd by: GMR
Proj. No.: V612EP-XX-XX-XXXX
Date: JUN 2016

X:\XX-XX-XX-XXXX\XXXX.DGN
16-042-A-MAN.DGN
16-042-A-CONB.DGN
16-042-A-CON12.DGN
16-042-A-CON-SUPPORT.DGN
DAYTONA-CAICF-INTERIM.DGN
IWW-C-CNGMCF.DGN
16-042-B-BRDR.DGN
Reference files:
16-042-VH-002.DGN
File name:

DAYTONA BEACH
VOLUSIA COUNTY, FLORIDA
PROJECT CONDITION SURVEY FY16
8-FOOT PROJECT
STA. -0+62.52 THRU STA. 11+89.88 DAYTONA SIDE CHANNEL
PLAN

Scale: AS SHOWN

Drawing no.
2

SHEET 02 OF 02

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-1 (06/16)	652,592	1,772,742	29°12'36.92"	81°00'40.33"
DBN-2 (06/16)	652,601	1,772,847	29°12'37.96"	81°00'40.23"
DBN-3 (06/16)	652,364	1,772,637	29°12'35.88"	81°00'42.90"
DBN-4 (06/16)	652,352	1,772,716	29°12'36.66"	81°00'43.04"
DBN-5 (06/16)	651,886	1,772,379	29°12'33.32"	81°00'48.29"
DBN-6 (06/16)	651,884	1,772,466	29°12'34.19"	81°00'48.31"

Halifax River

STA. 5+00
STA. 10+00
STA. 15+00
STA. 20+00
STA. 25+00
STA. 30+00
STA. 0+00
STA. 5+00
STA. 10+00
STA. 11+89.88

P.I. STA. 15+92.23 CUT V-13
P.I. STA. -0+62.52 DAYTONA SIDE CHANNEL

CUT V-13

DAYTONA SIDE CHANNEL

R"2"
R"4"
R"6"
G"1"
G"3"3
G"5"
"DSC 101"

E INTERNATIONAL SPEEDWAY BLVD
E MAGNOLIA AVE
CITY ISLAND PKWY
ORANGE AVE
S BEACH ST
BASIN ST
LIVE OAK AVE
EASTWOOD LN
PHOENIX AVE
S PENINSULA DR
MOBILE AVE
SILVER BEACH AVE

X= 650500
X= 651000
X= 651500
X= 652000
X= 652500
X= 653000
X= 653500
X= 654000
Y= 1774000
Y= 1773500
Y= 1773000
Y= 1772500
Y= 1772000
Y= 1771500

N

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 16-042.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: VIRM
DWN by: VIRM
Chkd by: CMR
Rev. No. V9123EP-XX-X-XXXX
Date: JUN 2016

LOV-XX-XX-X-XXXX.DGN
PG-XX-XX-XX.DGN
16-042-A-MAP.DGN
16-042-V-CON8.DGN
16-042-A-CON10.DGN
16-042-V-CON-DAYTONA.DGN
DAYTONA-C-MOPLANTEMP.DGN
NWV-CNGNICCF.DGN
16-042-C-ESHNDR.DGN
Reference files:
16-042-VH-002.DGN
File name:

DAYTONA BEACH
VOLUSIA COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY16
8-FOOT PROJECT

STA. -0+62.52 THRU STA. 11+89.88 DAYTONA SIDE CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 02