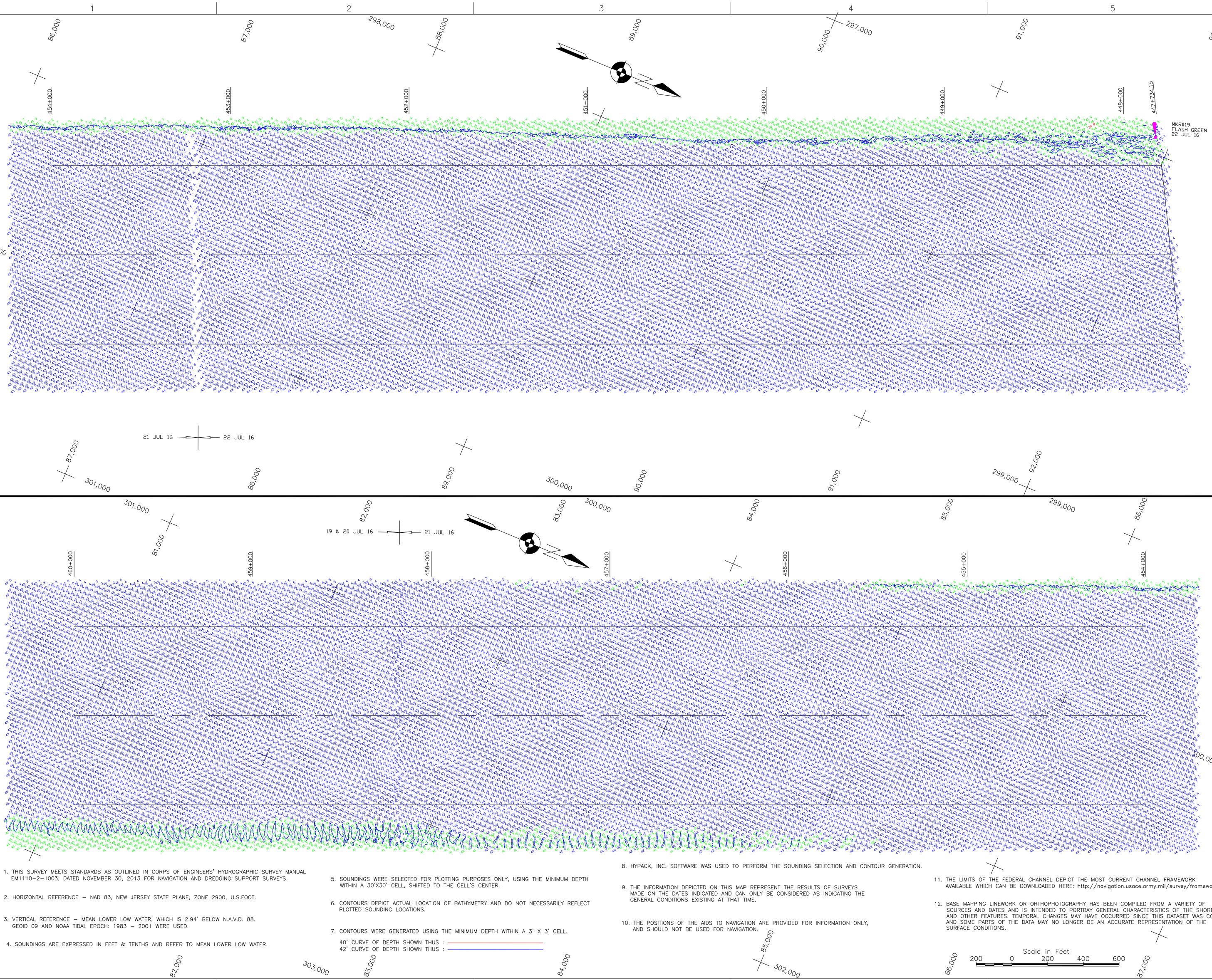

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   42' CURVE OF DEPTH SHOWN THUS : ———

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US Army Corps of Engineers
Philadelphia District

Mark	Description	Date	Appr.

Designed by:	Date:
Dwn. by: Ckd. by:	IFB DACW61-
Reviewed by:	Drawing code:
Submitted by: Chief, Arch. Branch	File name: 08/18/2016 Plot date: 08/18/2016 Plot scale: 1in to 200 ft

U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

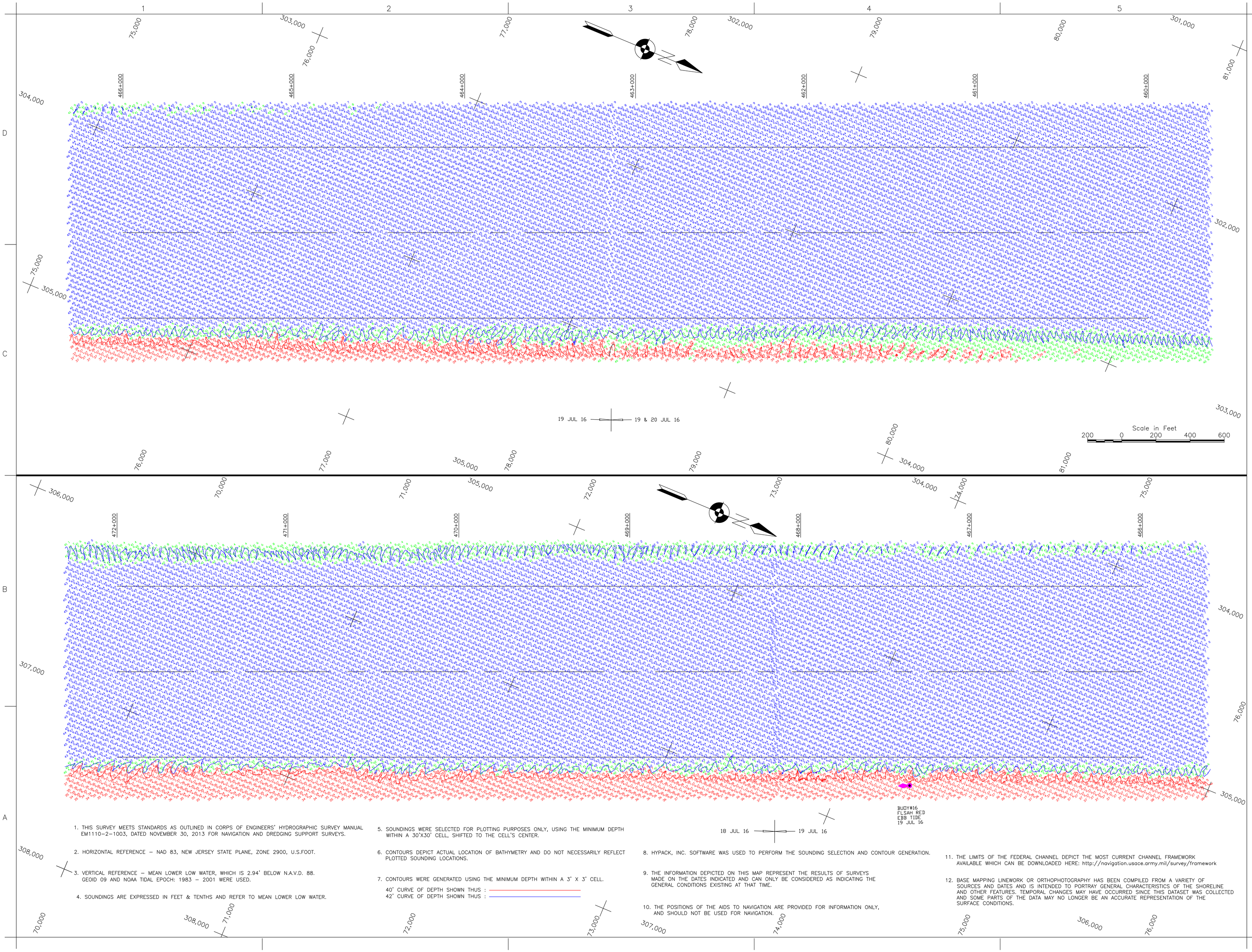
TRACED BY	PLOTTED BY
J.A.Groch	M.Caughan
SURVEYED BY	DATE SURVEYED
Shuman	as shown

DRAWING NO. 65742
APPROVED
CHIEF, ARCH. BRANCH

DELAWARE RIVER
PHILADELPHIA TO THE SEA
EXAMINATION
BRANDYWINE RANGE
STA.447+734.15 TO STA.460+000

Sheet reference number:

Sheet 1 of 6



1. THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS' HYDROGRAPHIC SURVEY MANUAL EM1110-2-1003, DATED NOVEMBER 30, 2013 FOR NAVIGATION AND DREDGING SUPPORT SURVEYS.

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42' CURVE OF DEPTH SHOWN THUS :

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US Army Corps of Engineers
Philadelphia District

Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

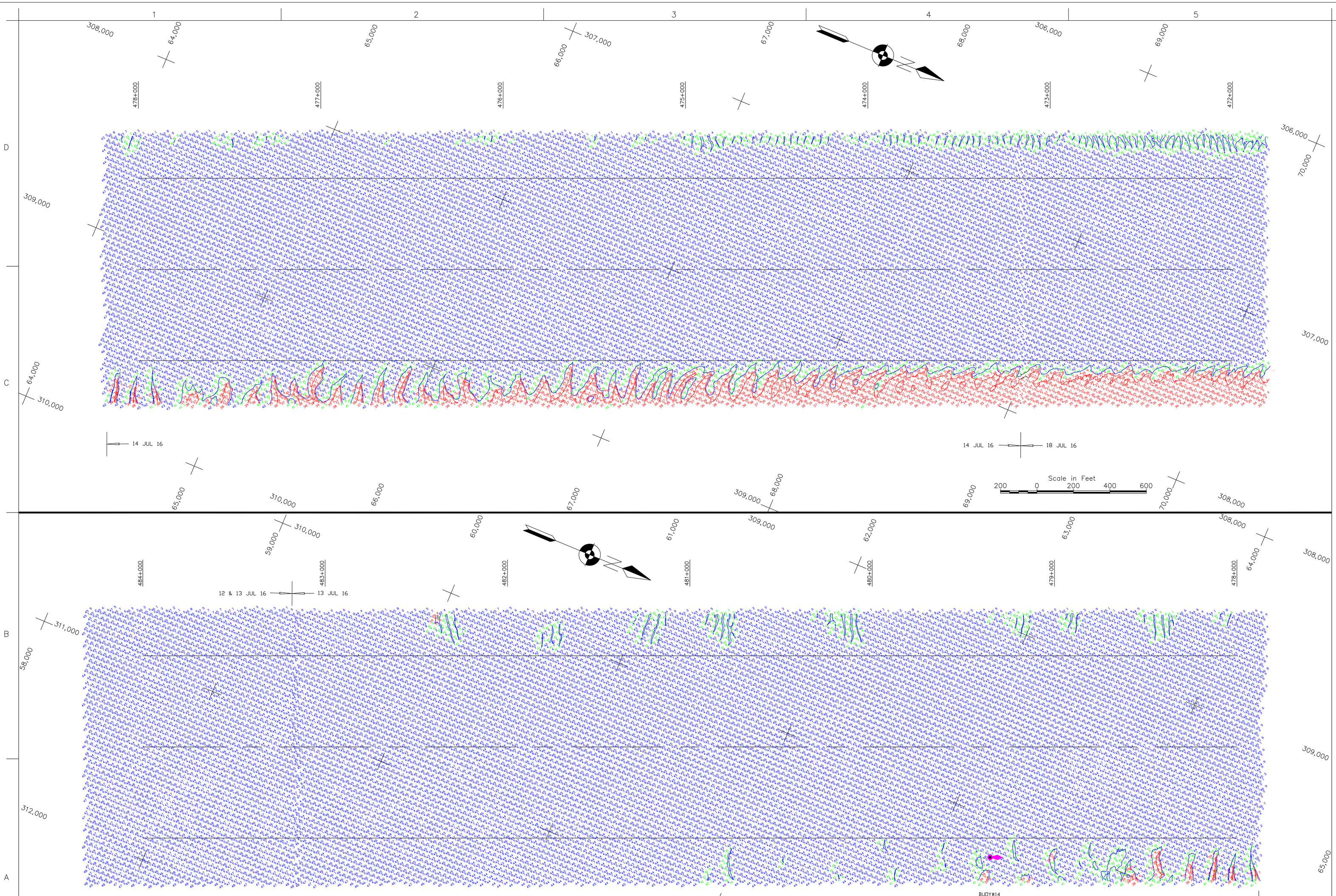
TRACED BY J.A.Groch	PLOTTED BY M.Gaughan	DRAWING NO. 65743	
SURVEYED BY Shuman	DATE SURVEYED as shown	APPROVED CHIEF, SURVEY BRANCH	

Designed by:		Date:	Rev.
Dwn by:	Ckd by:	IFB DACW61-	
Reviewed by:		Drawing code:	
Submitted by: Chief, Arch. Branch		File name: Plot date: 08/18/2016 Plot scale: 1in to 200 ft	

DELAWARE RIVER
PHILADELPHIA TO THE SEA
EXAMINATION
BRANDYWINE RANGE
STA.460+000 TO 472+000

Sheet reference number:

Sheet 2 of 6



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US Army Corps of Engineers
Philadelphia District

Mark	Description	Date	Appr.

Date:	Rev.
FEB DACW61-	
Drawing code:	
File name: 08/18/2016 Plot date: Plot scale: 1in to 200 ft	

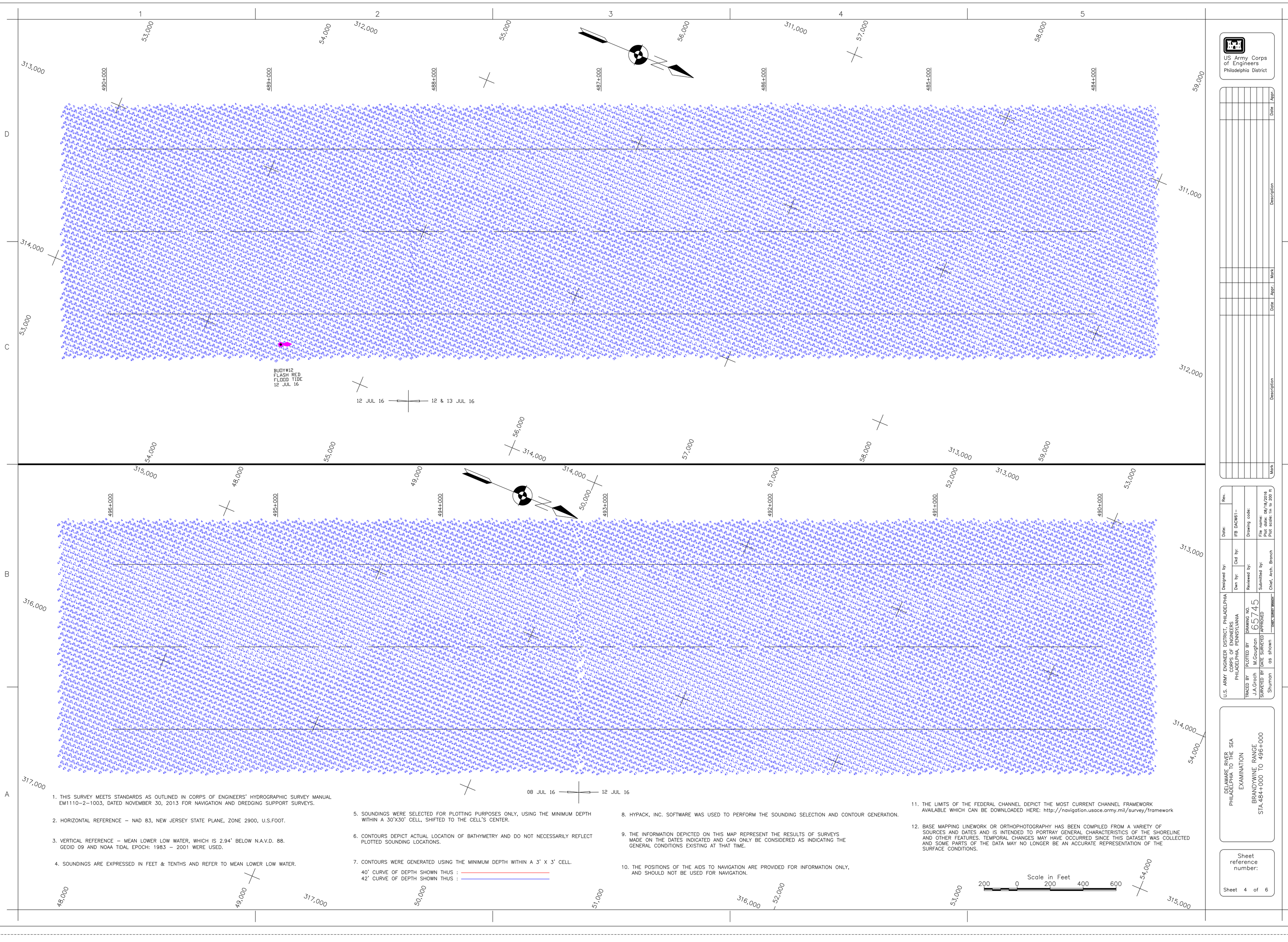
U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

Designed by:		Submitted by:	Chief, Arch. Branch
Dwn by:	Ckd by:	Reviewed by:	
TRACED BY	PLOTTED BY	DRAWING NO.	
J.A.Groch	M.Coughan	65744	
SURVEYED BY	DATE SURVEYED	APPROVED	CHIEF, CIVIL BRANCH
Shuman	as shown		

DELAWARE RIVER
PHILADELPHIA TO THE SEA
EXAMINATION
BRANDYWINE RANGE
STA-472+000 TO STA-484+000

Sheet reference number:

Sheet 3 of 6



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Scale in Feet
200 0 200 400 600

US Army Corps of Engineers
Philadelphia District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

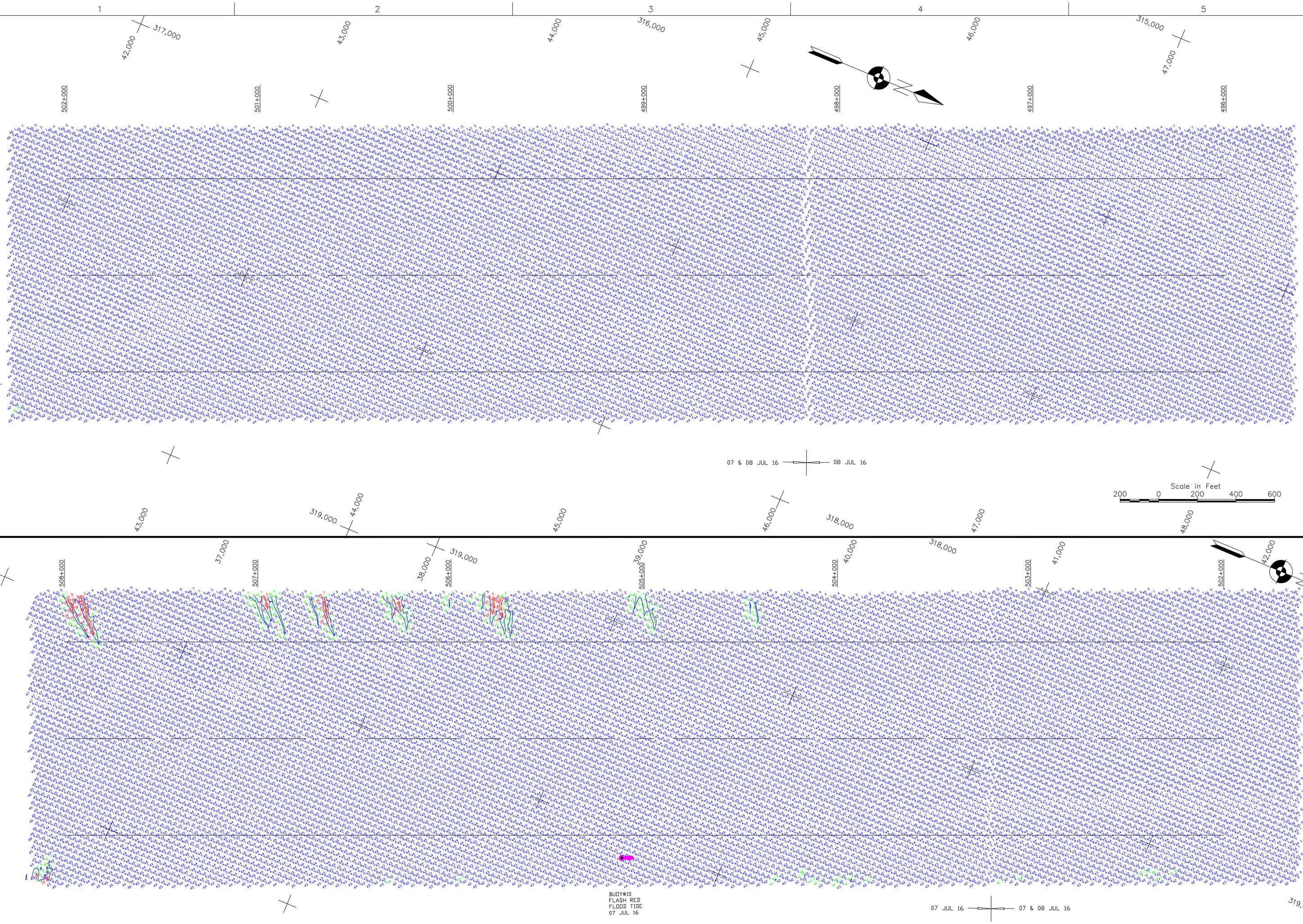
Designed by:		Date:	Rev.
Dwn by:	Ckd by:	IFB DACW61–	
Reviewed by:		Drawing code:	
Submitted by:		File name: Plot date: 08/18/2016 Plot scale: 1in to 200 ft	
Chief, Arch. Branch			

TRACED BY J.A.Groch	PLOTTED BY M.Gaughan	DRAWING NO. 65745	
SURVEYED BY Shuman	DATE SURVEYED as shown	APPROVED CHIEF, SURVEY BRANCH	

DELAWARE RIVER
PHILADELPHIA TO THE SEA
EXAMINATION
BRANDYWINE RANGE
STA.484+000 TO 496+000

Sheet reference number:

Sheet 4 of 6



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US Army Corps of Engineers
Philadelphia District

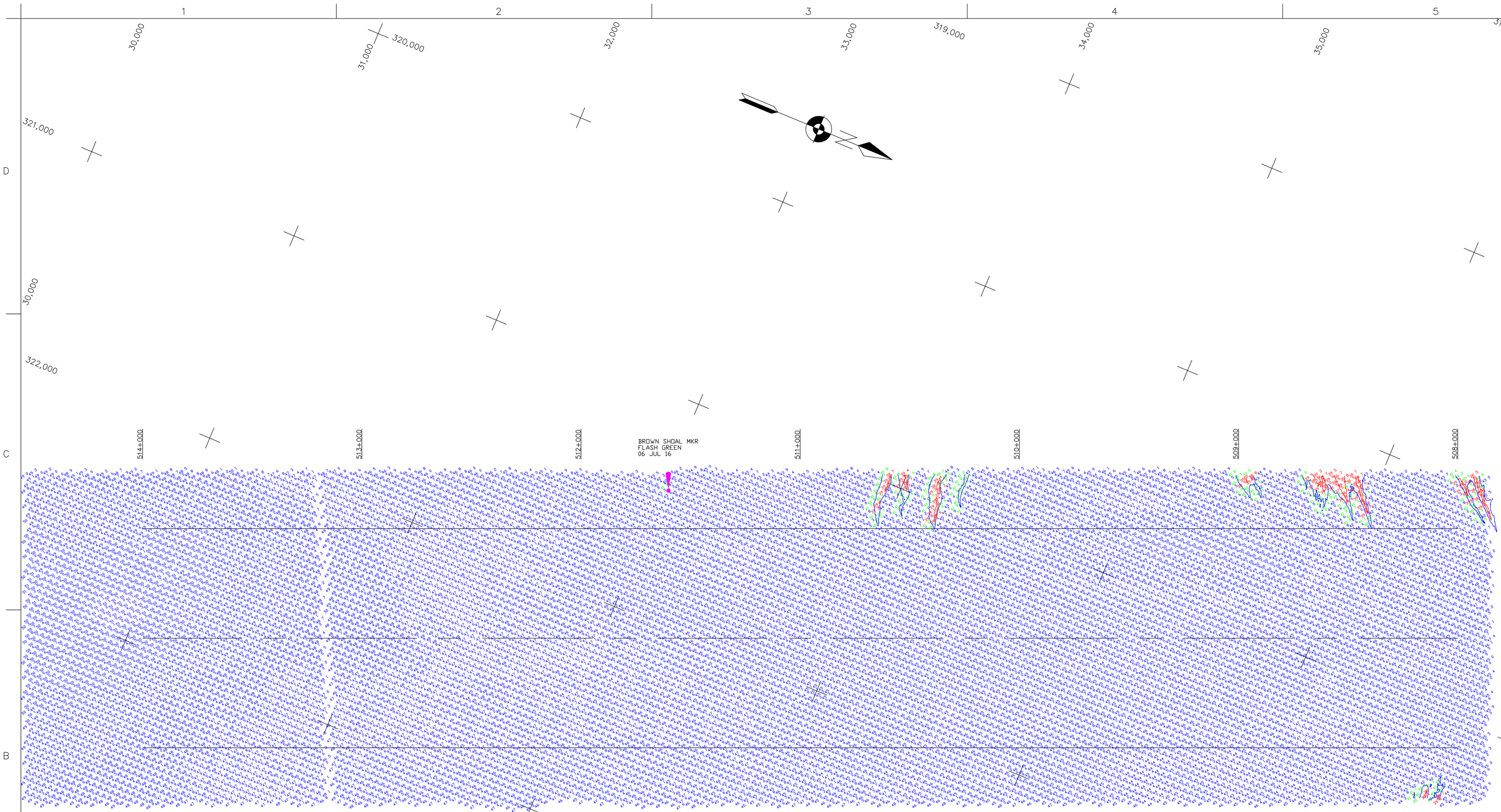
Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA CORPS OF ENGINEERS PHILADELPHIA, PENNSYLVANIA		Designed by:	Date:
		Dwn by: Ckd by:	IFB DACW61- Rev.
TRACED BY J.A.Groch	PLOTTED BY M.Gaughan	Reviewed by:	Drawing code:
SURVEYED BY Shuman	DATE SURVEYED as shown	Submitted by: Chief, Arch. Branch	File name: Plot date: 08/18/2016 Plot scale: 1in to 200 ft
	DRAWING NO. 65746 APPROVED date stamp below		

DELAWARE RIVER
PHILADELPHIA TO THE SEA
EXAMINATION
BRANDYWINE RANGE
STA.496+000 TO 508+000

Sheet reference number:

Sheet 5 of 6



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Scale in Feet
200 0 200 400 600

US Army Corps of Engineers
Philadelphia District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

Rev.	Description	Date

Date:
IFB DACW61-
Drawing code:
File name: 08/19/2016
Plot date:
Plot scale: 1in to 200 ft

Designed by:
Dwn by:
Ckd by:
Reviewed by:
Submitted by: Chief, Arch. Branch

U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

TRACED BY	PLOTTED BY	DRAWING NO.
J.A.Groch	M.Gaughan	6574 7
SURVEYED BY	DATE SURVEYED	APPROVED
Shuman	06 Jul 16	CHIEF, SURVEY BRANCH

DELAWARE RIVER
PHILADELPHIA TO THE SEA
EXAMINATION
BRANDYWINE RANGE
STA.508+000 TO STA.514+000

Sheet reference number:

Sheet 6 of 6