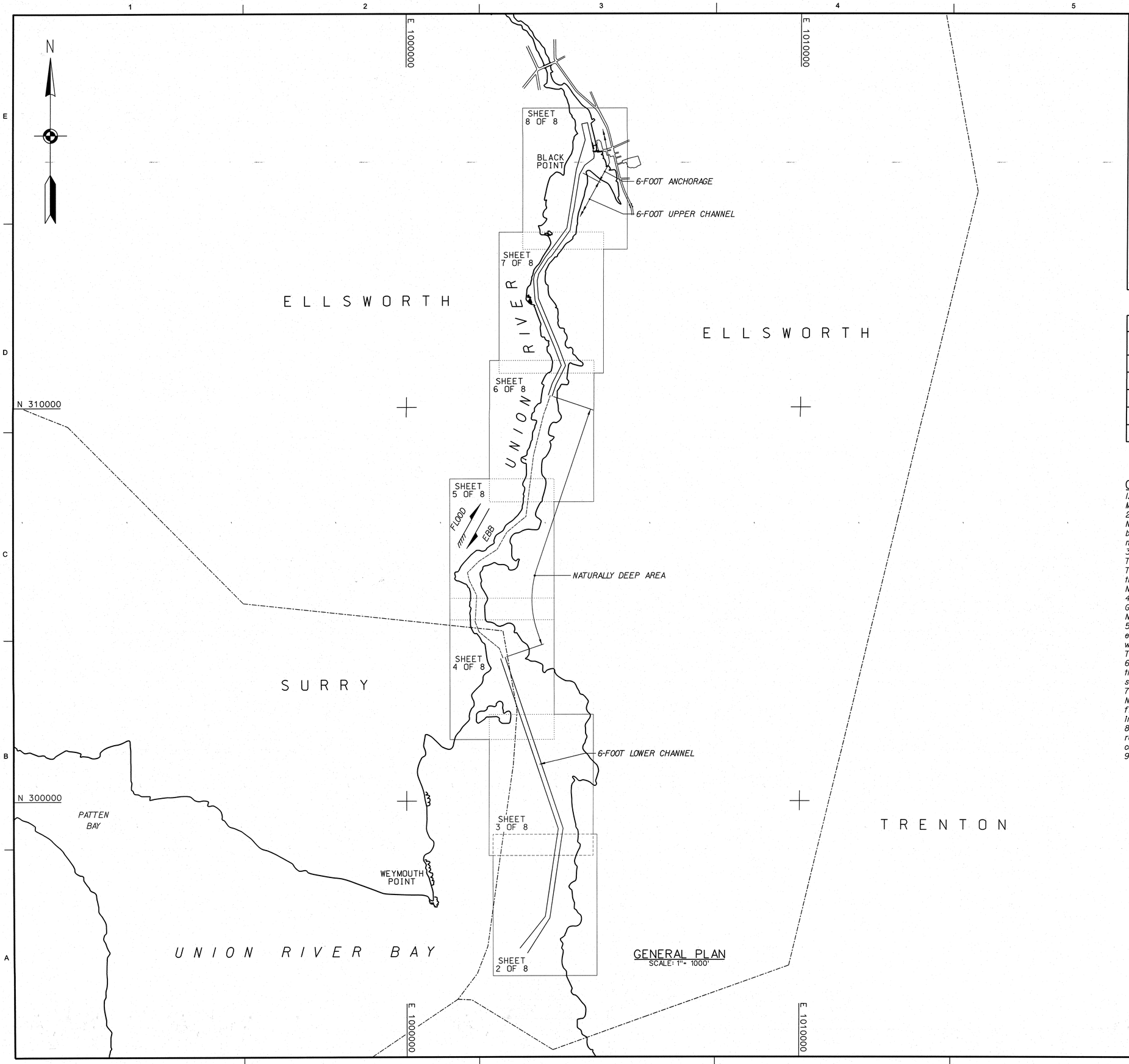
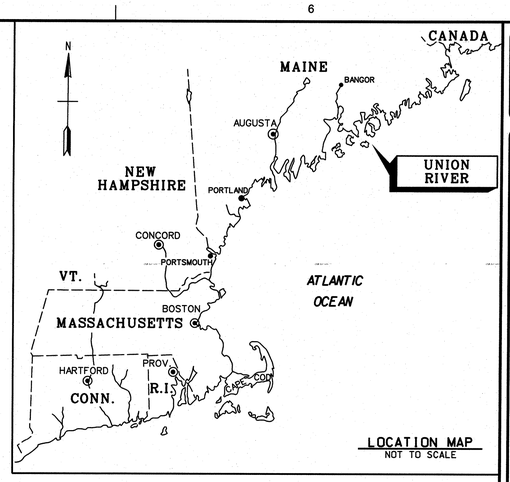


GENERAL PLAN
SCALE: 1" = 1000'



LOCATION MAP
NOT TO SCALE

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-2	9/17/13	N 295837.53 E 1003125.11	44° - 28' - 41.7"N 68° - 25' - 39.6"W
RN-4	9/17/13	N 299393.79 E 1003939.16	44° - 29' - 16.8"N 68° - 25' - 28.4"W
GC-7	9/18/13	N 312796.95 E 1003262.63	44° - 31' - 29.2"N 68° - 25' - 37.5"W
GC-9	9/18/13	N 314416.64 E 1004029.10	44° - 31' - 45.2"N 68° - 25' - 26.9"W
GC-11	9/18/13	N 315589.38 E 1004238.44	44° - 31' - 56.7"N 68° - 25' - 24.0"W

GENERAL NOTES:

1. Soundings are in feet and tenths and refer to the plane of Mean Lower Low Water (MLLW) 1983-2001 Tidal Epoch.
2. Topography shown is from previous surveys and/or NOAA Chart No. 13316. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Bench Mark Data: Tides were recorded using RTK GPS. The MLLW to NAVD88 correction for this project is 5.78 feet. The correction is referenced from NOAA's V-Datum Model in the vicinity of Ellsworth, Union River, Maine. No tide gauges were used on this project.
4. Coordinates shown are based on the Transverse Mercator Grid System for the State of Maine (East Zone 1801) and NAD 1983.
5. Survey was performed using an Odom MK2 echotrac echosounder. Horizontal positioning and vertical depths were recorded utilizing a Leica GPS System. The RTK Base Station was set up on Station 3801 A (1999).
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during September 2013.
7. The sounding information depicted on these maps should NOT be used to determine volumes. Volumes are determined from more sounding information than shown. Additional sounding information is available upon request.
8. The information depicted on these maps represents the results of surveys made on the dates indicated, and can only be considered as indicating the general conditions existing at that time.
9. Field Book: R&H 3433
   6-Foot depth contour shown thus: ———
   Survey by: Paul K. O'Brien and crew
   Refer to Survey No. 13-1292

GRAPHIC SCALE:
1" = 1000'
1000 0 1000 2000

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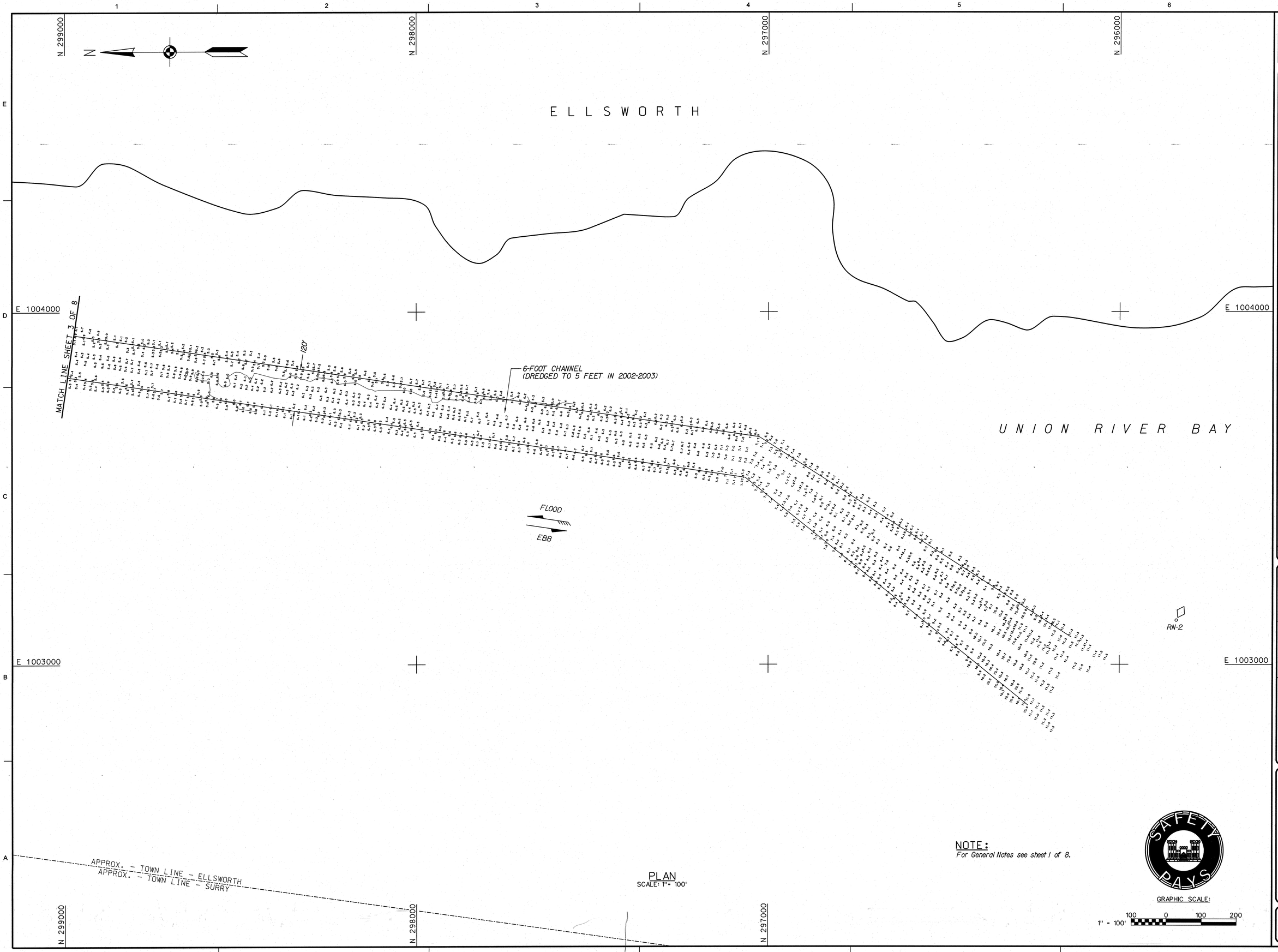
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 1000'
PLOT DATE: 2/28/2014
SIZE: ANSI F
FILE NAME: UNI2740V-101.dgn
DATE: 2/28/2014
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: UNIHSP3.DGN
DRAWING CODE: UNI-2740

UNION RIVER
ELLSWORTH AND SURRY, MAINE
CONDITION SURVEY
6-FOOT CHANNEL AND ANCHORAGE
(DREDGED TO 5 FEET IN 2002-2003)

SHEET IDENTIFICATION
V-101
SHEET 1 OF 8



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 8.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

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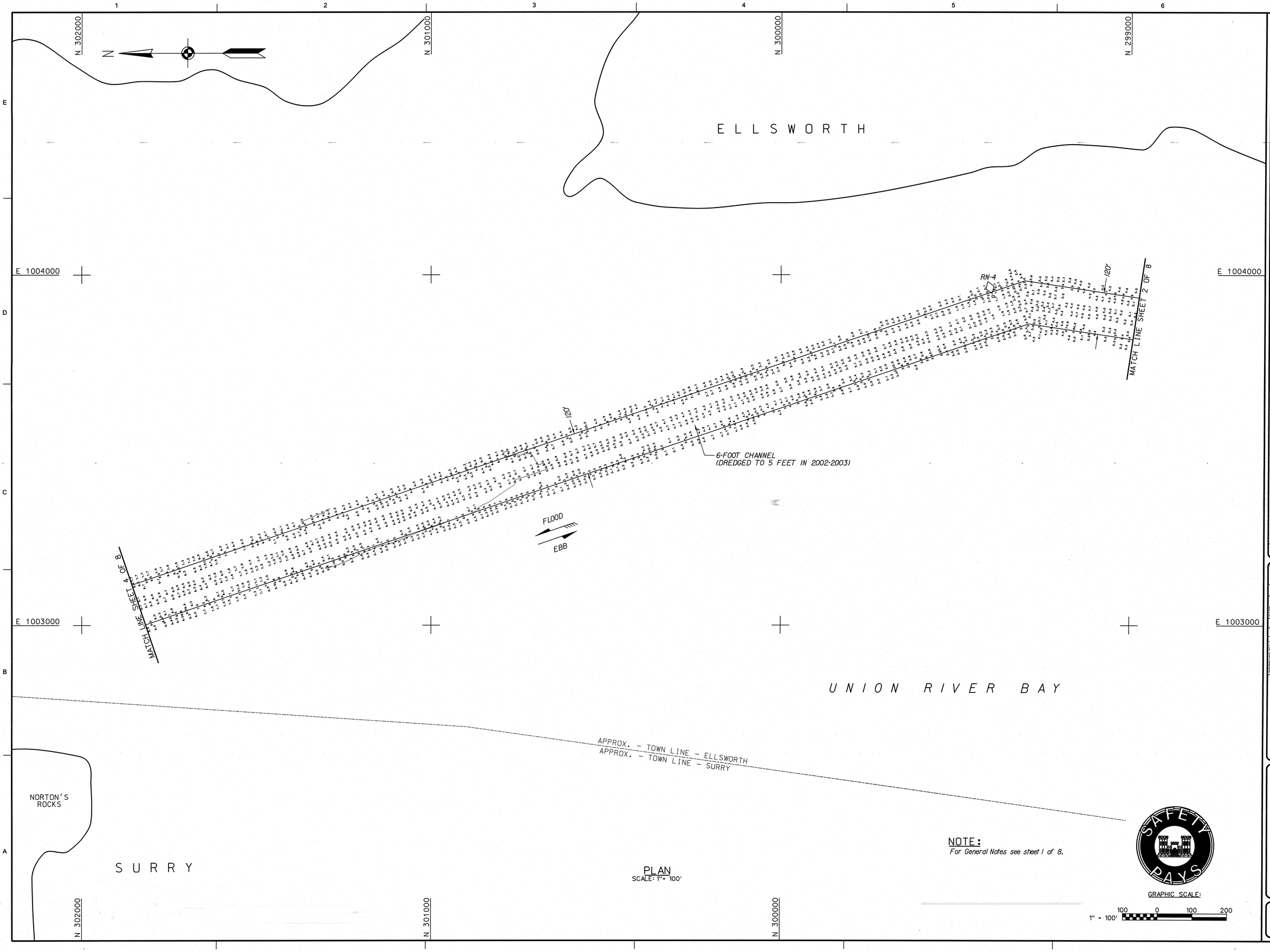
REVIEWED BY: Joseph Pacheco
Asst. Chief, Survey Section
SUBMITTED BY: Mary Tyrrell
Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 2/28/2014
SIZE: ANSI F
FILE NAME: UNI2740V-102.dgn
DATE: 2/28/2014
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: UNIHSP3.DGN
DRAWING CODE: UNI-2740

UNION RIVER
ELLSWORTH AND SURRY, MAINE
CONDITION SURVEY
6-FOOT CHANNEL AND ANCHORAGE
(DREDGED TO 5 FEET IN 2002-2003)

SHEET IDENTIFICATION
V-102
SHEET 2 OF 8



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 8.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

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MARK	DESCRIPTION	DATE	APPR.

REVIEWED BY: Jeffrey Fenton, Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
SIZE: ANSI F
PLOT DATE: 2/28/2014
FILE NAME: UNI2740V-103.dgn
DATE: 2/28/2014
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: UNIHSP3.DGN
DRAWING CODE: UNI-2740

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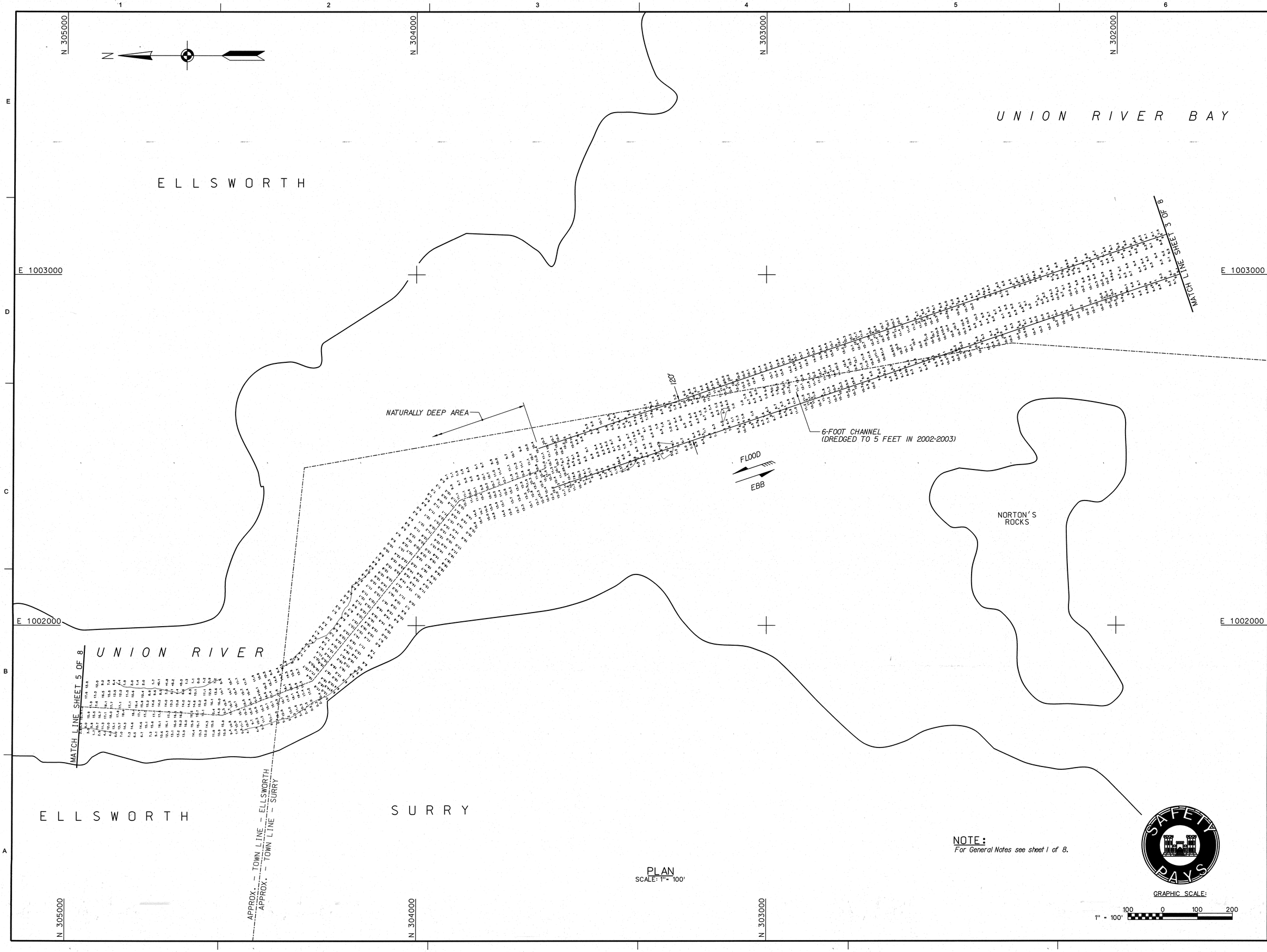
UNION RIVER
ELLSWORTH AND SURRY, MAINE
CONDITION SURVEY
6-FOOT CHANNEL AND ANCHORAGE
(DREDGED TO 5 FEET IN 2002-2003)

SHEET IDENTIFICATION
V-103
SHEET 3 OF 8



NOTE:
For General Notes see sheet 1 of 8.

PLAN
SCALE: 1" = 100'

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MARK	DESCRIPTION	DATE	APPR.

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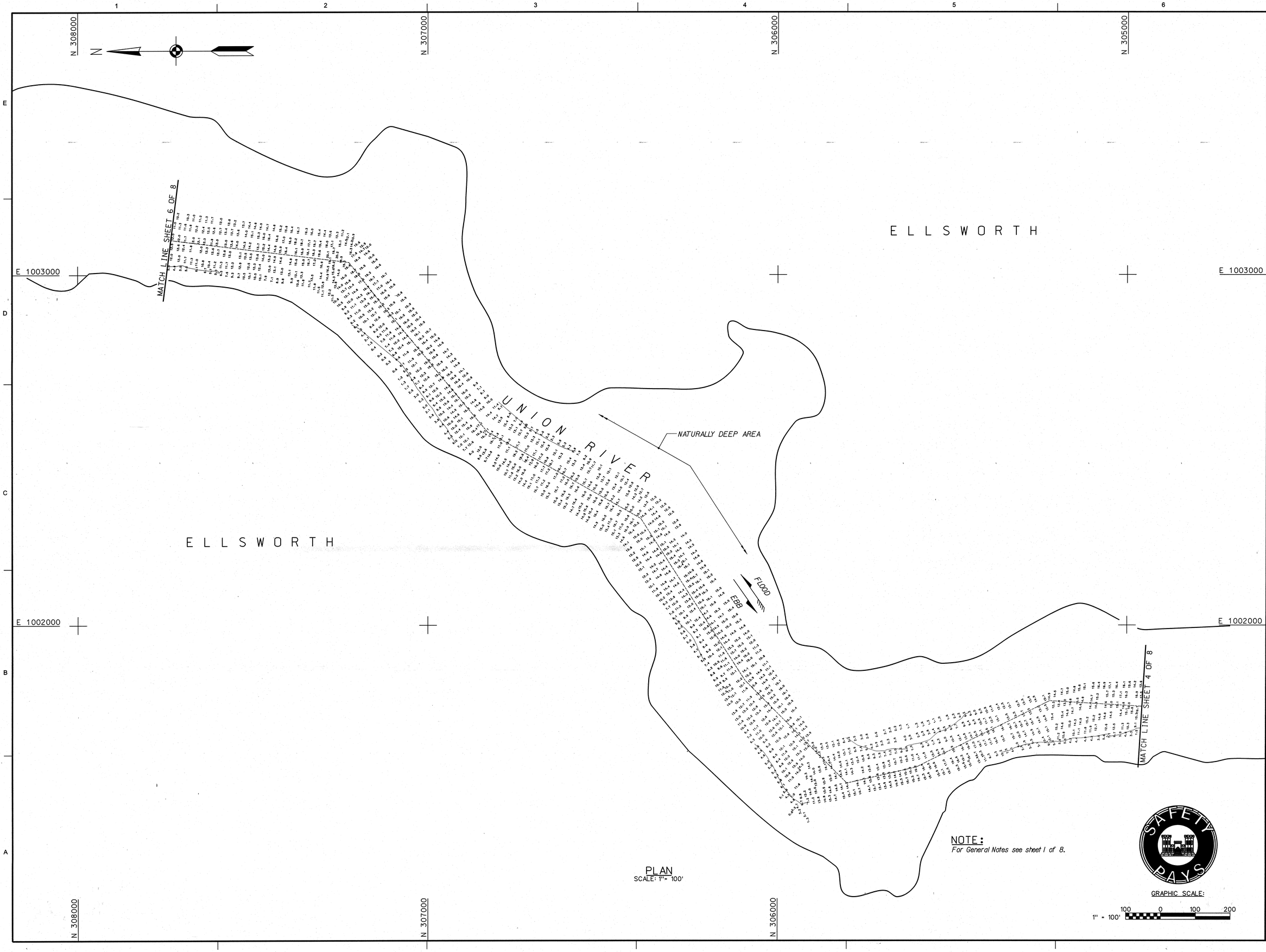
REVIEWED BY: Lindsey Pratt, Chief, Chief, Survey Section
SUBMITTED BY: Maureen T. Mooney, Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 2/28/2014
SIZE: ANSI F
FILE NAME: UNI2740V-104.dgn
DATE: 3/28/2014
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: UNIHSP3.DGN
DRAWING CODE: UNI-2740

UNION RIVER
ELLSWORTH AND SURRY, MAINE
CONDITION SURVEY
6-FOOT CHANNEL AND ANCHORAGE
(DREDGED TO 5 FEET IN 2002-2003)

SHEET IDENTIFICATION
V-104
SHEET 4 OF 8



PLAN
SCALE: 1"= 100'

NOTE:
For General Notes see sheet 1 of 8.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

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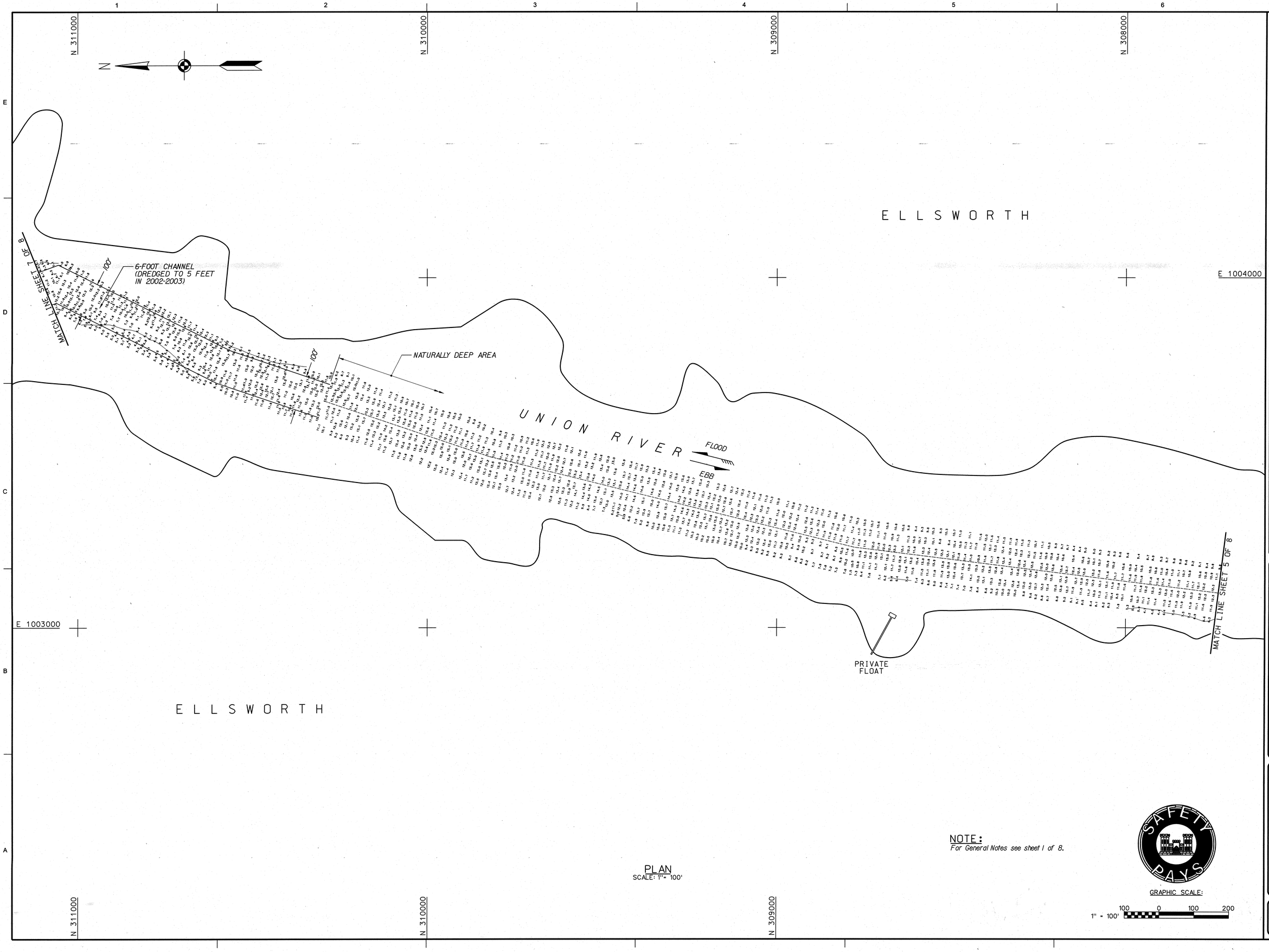
REVIEWED BY: Matt Cheit, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 2/28/2014
SIZE: ANSI F
FILE NAME: UNI27404V-105.dgn
DATE: 2/28/2014
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: UNIHSP3.DGN
DRAWING CODE: UNI-27140

UNION RIVER
ELLSWORTH AND SURRY, MAINE
CONDITION SURVEY
6-FOOT CHANNEL AND ANCHORAGE
(DREDGED TO 5 FEET IN 2002-2003)

SHEET IDENTIFICATION
V-105
SHEET 5 OF 8



PLAN
SCALE: 1"= 100'

NOTE:
For General Notes see sheet 1 of 8.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

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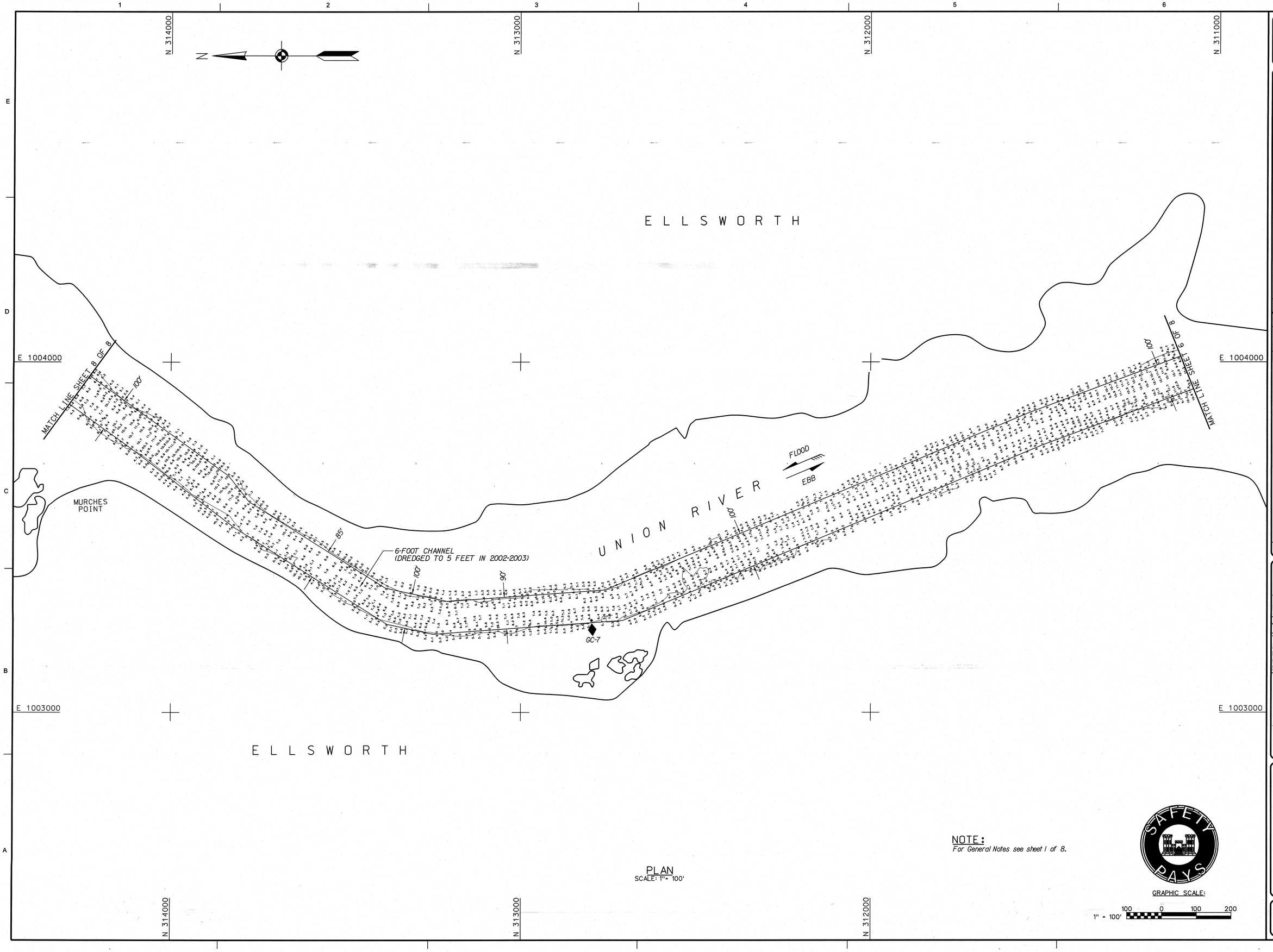
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 2/28/2014
SIZE: ANSI F
FILE NAME: UNI2740V-106.dgn
DATE: 2/28/2014
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: UNIHSP3.DGN
DRAWING CODE: UNI-2740

UNION RIVER
ELLSWORTH AND SURRY, MAINE
CONDITION SURVEY
6-FOOT CHANNEL AND ANCHORAGE
(DREDGED TO 5 FEET IN 2002-2003)

SHEET IDENTIFICATION
V-106
SHEET 6 OF 8



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see sheet 1 of 8.

GRAPHIC SCALE:
1" = 100'
100 0 100 200

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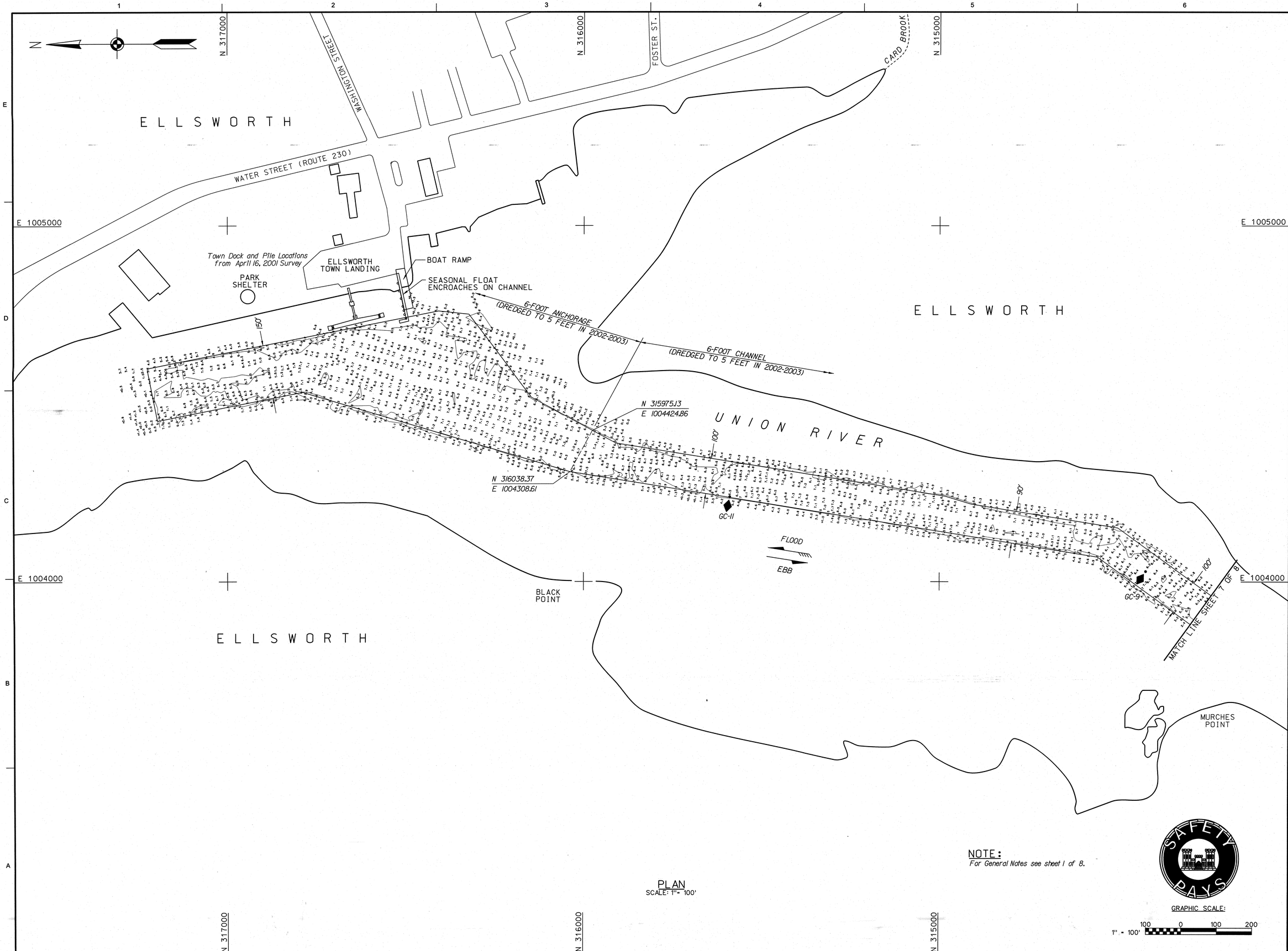
REVIEWED BY: Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
PLOT DATE: 2/28/2014
SIZE: ANSI F
FILE NAME: UNI2740V-107.dgn
DATE: 2/28/2014
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: UNIHSP3.DGN
DRAWING CODE: UNI-2740

UNION RIVER
ELLSWORTH AND SURRY, MAINE
CONDITION SURVEY
6-FOOT CHANNEL AND ANCHORAGE
(DREDGED TO 5 FEET IN 2002-2003)

SHEET IDENTIFICATION
V-107
SHEET 7 OF 8



NOTE:
For General Notes see sheet 1 of 8.

PLAN
SCALE: 1" = 100'

GRAPHIC SCALE:
1" = 100'
100 0 100 200

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REVIEWED BY: Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 100'
SIZE: ANSI F
PLOT DATE: 2/28/2014
FILE NAME: UN2740V-108.dgn
DATE: 2/28/2014
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: UNIHSP3.DGN
DRAWING CODE: UNI-2740

UNION RIVER
ELLSWORTH AND SURRY, MAINE
CONDITION SURVEY
6-FOOT CHANNEL AND ANCHORAGE
(DREDGED TO 5 FEET IN 2002-2003)

SHEET IDENTIFICATION
V-108
SHEET 8 OF 8