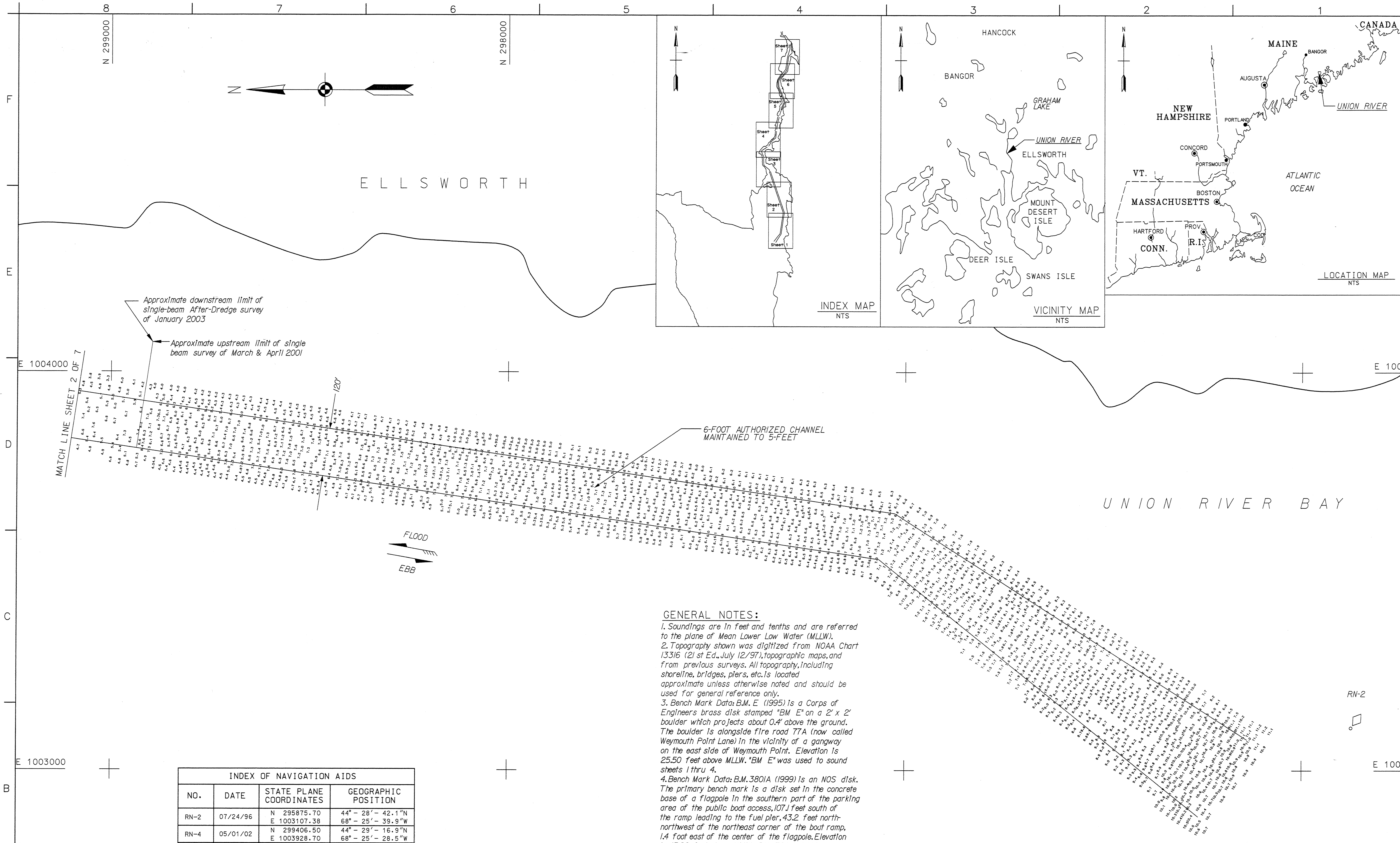


INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-2	07/24/96	N 295875.70 E 1003107.38	44° - 28′ - 42.1″N 68° - 25′ - 39.9″W
RN-4	05/01/02	N 299406.50 E 1003928.70	44° - 29′ - 16.9″N 68° - 25′ - 28.5″W
RN-6	04/25/02	N 302563.72 E 1002853.81	44° - 29′ - 48.1″N 68° - 25′ - 43.3″W
GC-7	12/03/02	N 312303.82 E 1003433.68	44° - 31′ - 24.3″N 68° - 25′ - 35.2″W
GC-9	12/03/02	N 313715.83 E 1003555.43	44° - 31′ - 38.3″N 68° - 25′ - 33.5″W
GC-11	12/03/02	N 315597.00 E 1004252.00	44° - 31′ - 56.8″N 68° - 25′ - 23.8″W

GENERAL NOTES:

1. Soundings are in feet and tenths and are referred to the plane of Mean Lower Low Water (MLLW).
2. Topography shown was digitized from NOAA Chart 13316 (21 st Ed., July 12/97), topographic maps, and from previous surveys. All topography, including shoreline, bridges, piers, etc. is located approximate unless otherwise noted and should be used for general reference only.
3. Bench Mark Data: B.M. E (1995) is a Corps of Engineers brass disk stamped "BM E" on a 2′ x 2′ boulder which projects about 0.4′ above the ground. The boulder is alongside fire road 77A (now called Weymouth Point Lane) in the vicinity of a gangway on the east side of Weymouth Point. Elevation is 25.50 feet above MLLW. "BM E" was used to sound sheets 1 thru 4.
4. Bench Mark Data: B.M. 3801A (1999) is an NOS disk. The primary bench mark is a disk set in the concrete base of a flagpole in the southern part of the parking area of the public boat access, 107.1 feet south of the ramp leading to the fuel pier, 43.2 feet north-northwest of the northeast corner of the boat ramp, 1.4 foot east of the center of the flagpole. Elevation is 15.88 feet above MLLW. BM 3801A (1999) was used to sound sheets 4 thru 7.
5. Coordinates are based on the Transverse Mercator Grid System for the State of Maine (East Zone) & NAD 1983.
6. The sounding information depicted on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during March and April 2001, May 2002, and January 2003.
7. 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.
8. Considerable ledge and rocks exist adjacent to the Union River authorized project.
9. Field Books: R&H 3433, 4269 & 5086.
   Depthsounder Rolls: 01-531/01-07, 02-574, & 02-632/1-2
   Surveys by R. MacGovern, J. Preston, & P.K. Obrien Hydrographic Crews
   See NOAA Chart 13316

GRAPHIC SCALE:
1"=100 FEET — 100 0 100 200

N 299000 N 298000 N 297000

US Army Corps of Engineers
New England District

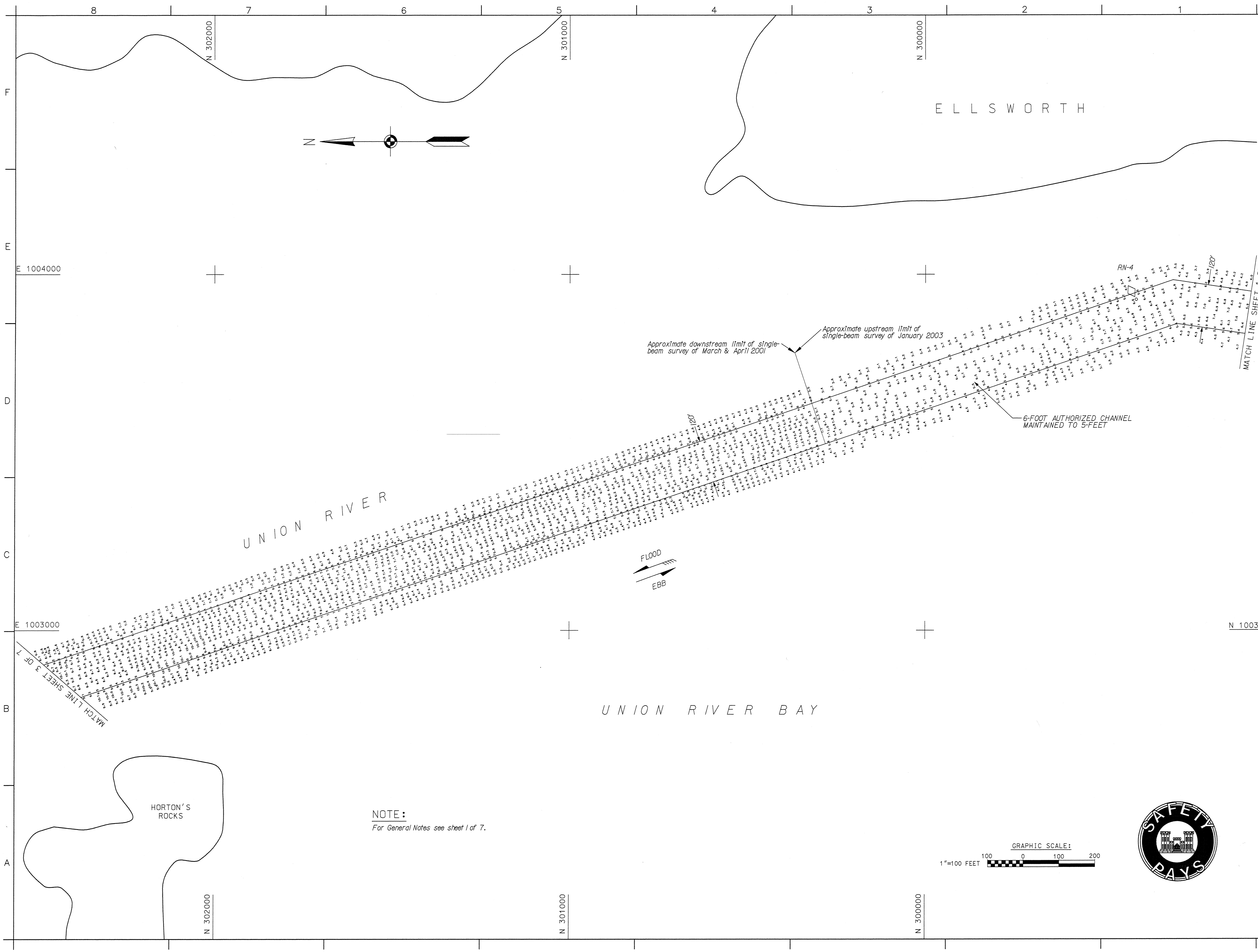
Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: See General Notes
Plotted By: V.J. Garabedian
Asst. Chief, Survey Section
Chief, Survey Section
Date: 2/20/03
Rev.
Design file:
Drawing code: 2563
File name: UNIVS01.S01
Plot date: 01/27/2003
Plot scale: 1"-100'

UNION RIVER
ELLSWORTH, MAINE
AFTER DREDGE / CONDITION SURVEY
6-FOOT AUTHORIZED CHANNEL
& TURNING BASIN
MAINTAINED TO 5-FEET

Reference number:
Sv-1
Sheet 1 of 7



NOTE:
For General Notes see sheet 1 of 7.

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.

Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

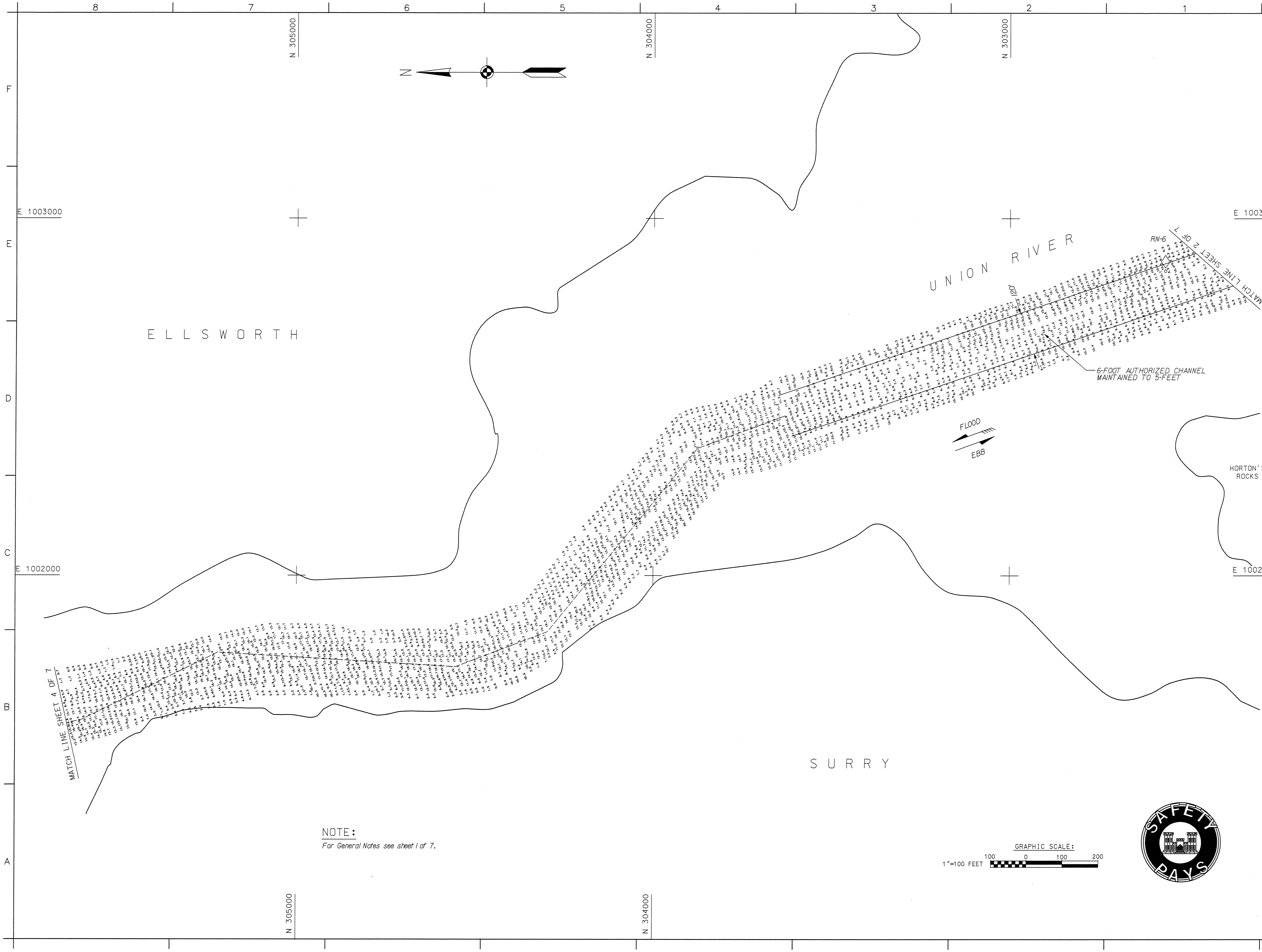
Surveyed By: See General Notes
Date: 2/20/03
Rev.
Plotted By: V.J. Garabedian
Design file:
Asst. Chief, Survey Section
Drawing code: 2563
Chief, Survey Section
File name: UNIVS02.S02
Plot date: 01/27/2003
Plot scale: 1"=100'

SAFETY PAYS

UNION RIVER
ELLSWORTH, MAINE
AFTER DREDGE / CONDITION SURVEY
6-FOOT AUTHORIZED CHANNEL
& TURNING BASIN
MAINTAINED TO 5-FEET

Reference number:
Sv-2

Sheet 2 of 7



NOTE:
For General Notes see sheet 1 of 7.

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.

Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

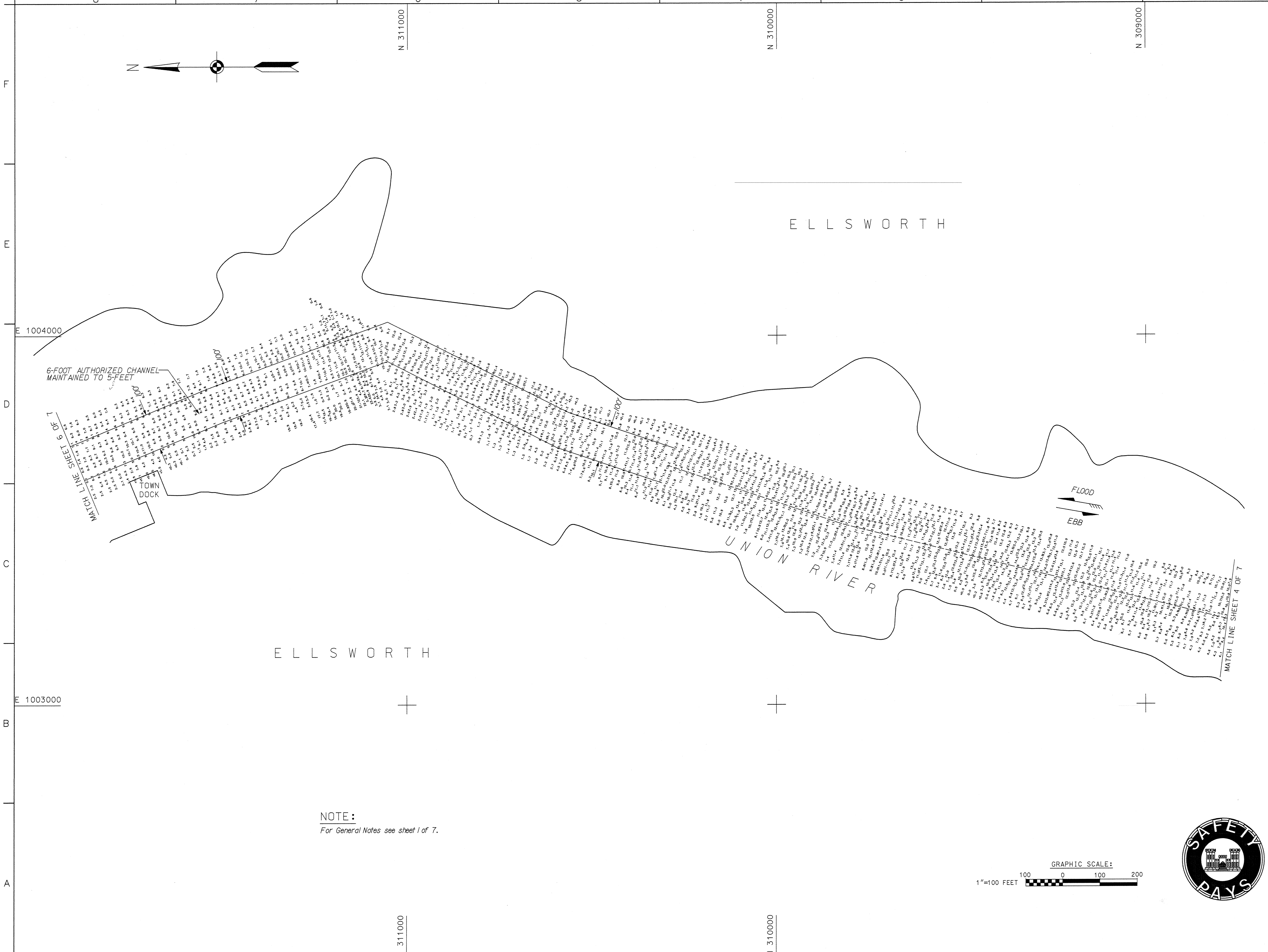
Surveyed By: See General Notes	Date: 2/20/03	Rev.
Plotted By: V.J. Garabedian	Design file:	
Asst. Chief, Survey Section	Drawing code: 2563	
Chief, Survey Section	File name: UNIVS03.S03 Plot date: 01/27/2003 Plot scale: 1"=100'	

UNION RIVER
ELLSWORTH, MAINE
AFTER DREDGE / CONDITION SURVEY
6-FOOT AUTHORIZED CHANNEL
& TURNING BASIN
MAINTAINED TO 5-FEET

SAFETY PAYS

Reference number:
Sv-3


UNION RIVER
ELLSWORTH
FLOOD
EBB
MATCH LINE SHEET 5 OF 7
MATCH LINE SHEET 3 OF 7
Downstream limit use of "BM 3801 A"
Upstream limit use of "BM E"
N 308000
N 307000
N 306000
E 1003000
E 1002000
NOTE:
For General Notes see sheet 1 of 7.
GRAPHIC SCALE:
1"=100 FEET
100
0
100
200
SAFETY PAYS
US Army Corps of Engineers
New England District
Symbol
Description
Date
Appr.
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS
Surveyed By: See General Notes
Plotted By: V.J. Garabedian
Asst. Chief, Survey Section
Chief, Survey Section
Date: 2/20/03
Rev.
Design file:
Drawing code: 2563
File name: UNIVS04.S04
Plot date: 01/27/2003
Plot scale: 1"-100'
UNION RIVER
ELLSWORTH, MAINE
AFTER DREDGE / CONDITION SURVEY
6-FOOT AUTHORIZED CHANNEL
& TURNING BASIN
MAINTAINED TO 5-FEET
Reference number:
Sv-4
Sheet 4 of 7



NOTE:

For General Notes see sheet 1 of 7.

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.

Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: See General Notes

Plotted By:

Asst Chief, Survey Section

Chief, Survey Section

Date: 2/21/03

Design file:

Drawing code: 2563

File name: UNVS05.SDS

Plot date: 01/27/2003

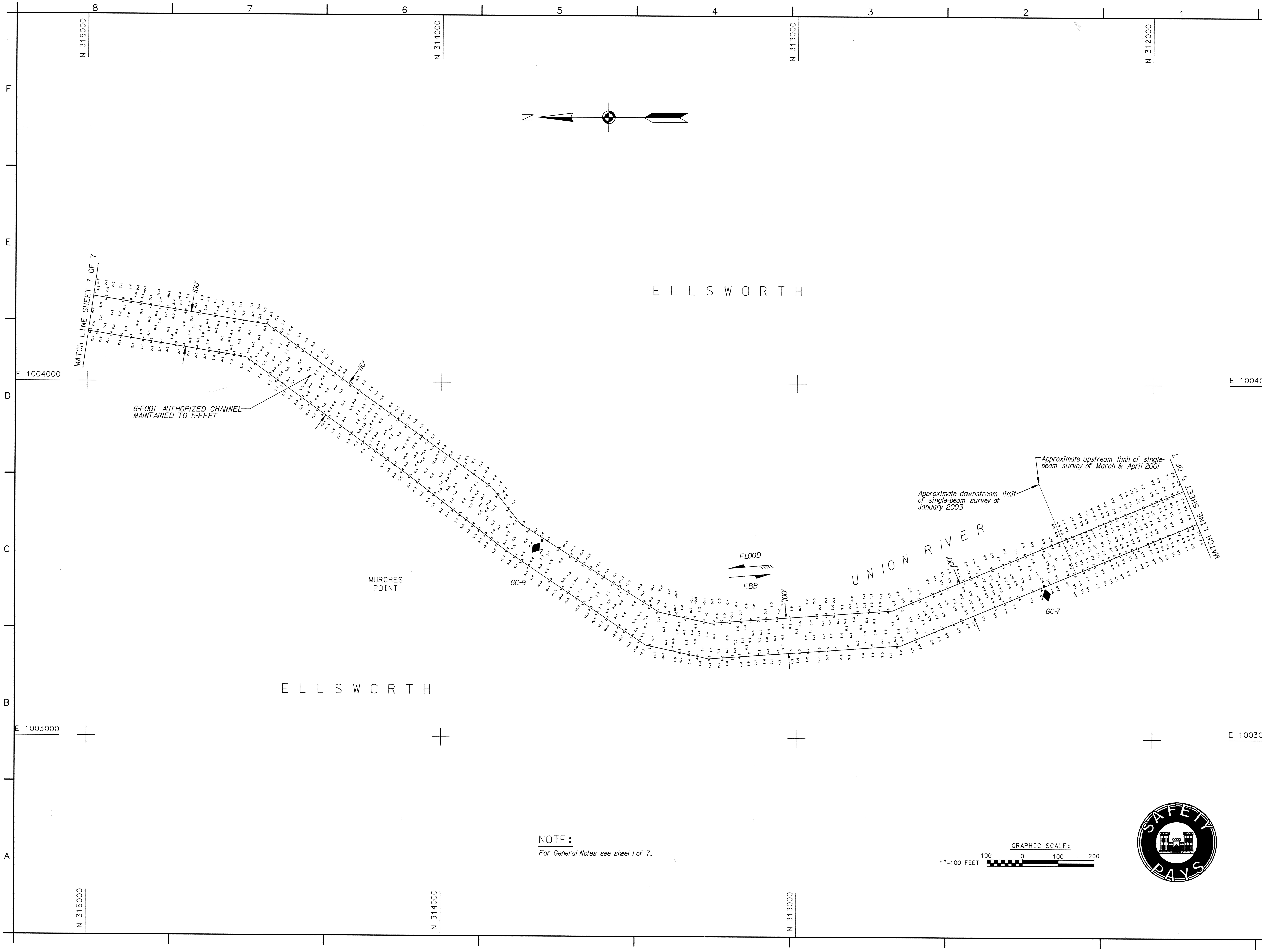
Plot scale: 1"=100'

Rev.

UNION RIVER
ELLSWORTH, MAINE
AFTER DREDGE / CONDITION SURVEY
6-FOOT AUTHORIZED CHANNEL
& TURNING BASIN
MAINTAINED TO 5-FEET

Reference number:
Sv-5

Sheet 5 of 7



US Army Corps of Engineers
New England District

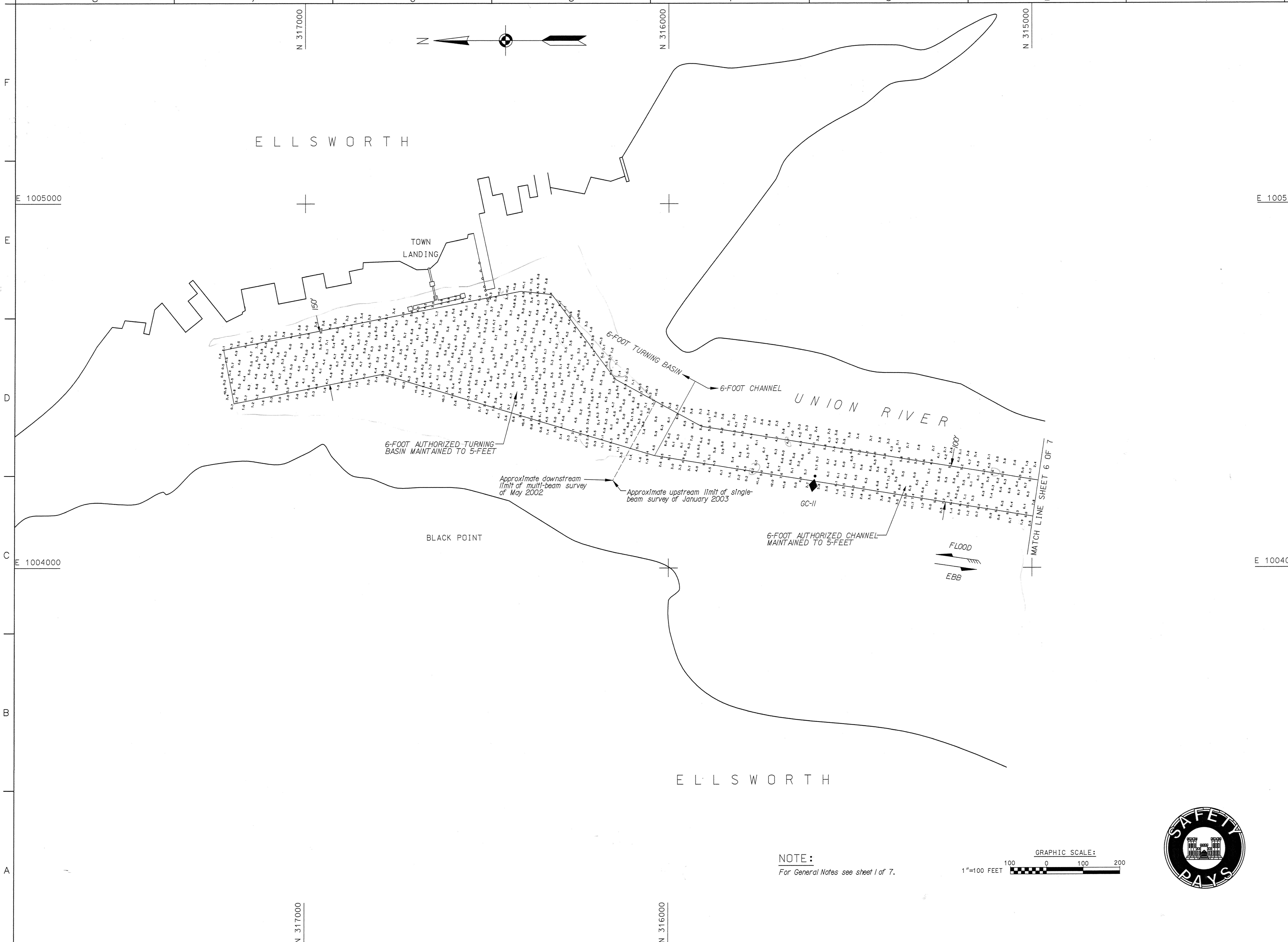
Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: See General Notes
Date: 2/20/03
Rev.
Plotted By: V.S. Garabedian
Design file:
Asst. Chief, Survey Section
Drawing code: 2563
Chief, Survey Section
File name: UNIVS06.S06
Plot date: 01/27/2003
Plot scale: 1"=100'

UNION RIVER
ELLSWORTH, MAINE
AFTER DREDGE / CONDITION SURVEY
6-FOOT AUTHORIZED CHANNEL
& TURNING BASIN
MAINTAINED TO 5-FEET

Reference number:
Sv-6
Sheet 6 of 7



NOTE:

For General Notes see sheet 1 of 7.

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

SAFETY PAYS

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: See General Notes	Date: 2/20/03	Rev.
Plotted By: V.J. Garabedian	Design file:	
Asst. Chief, Survey Section	Drawing code: 2563	
Chief, Survey Section	File name: UNIVS07.S07 Plot date: 01/27/2003 Plot scale: 1"=100'	

UNION RIVER
ELLSWORTH, MAINE
AFTER DREDGE / CONDITION SURVEY
6-FOOT AUTHORIZED CHANNEL
& TURNING BASIN
MAINTAINED TO 5-FEET

Reference number:
Sv-7