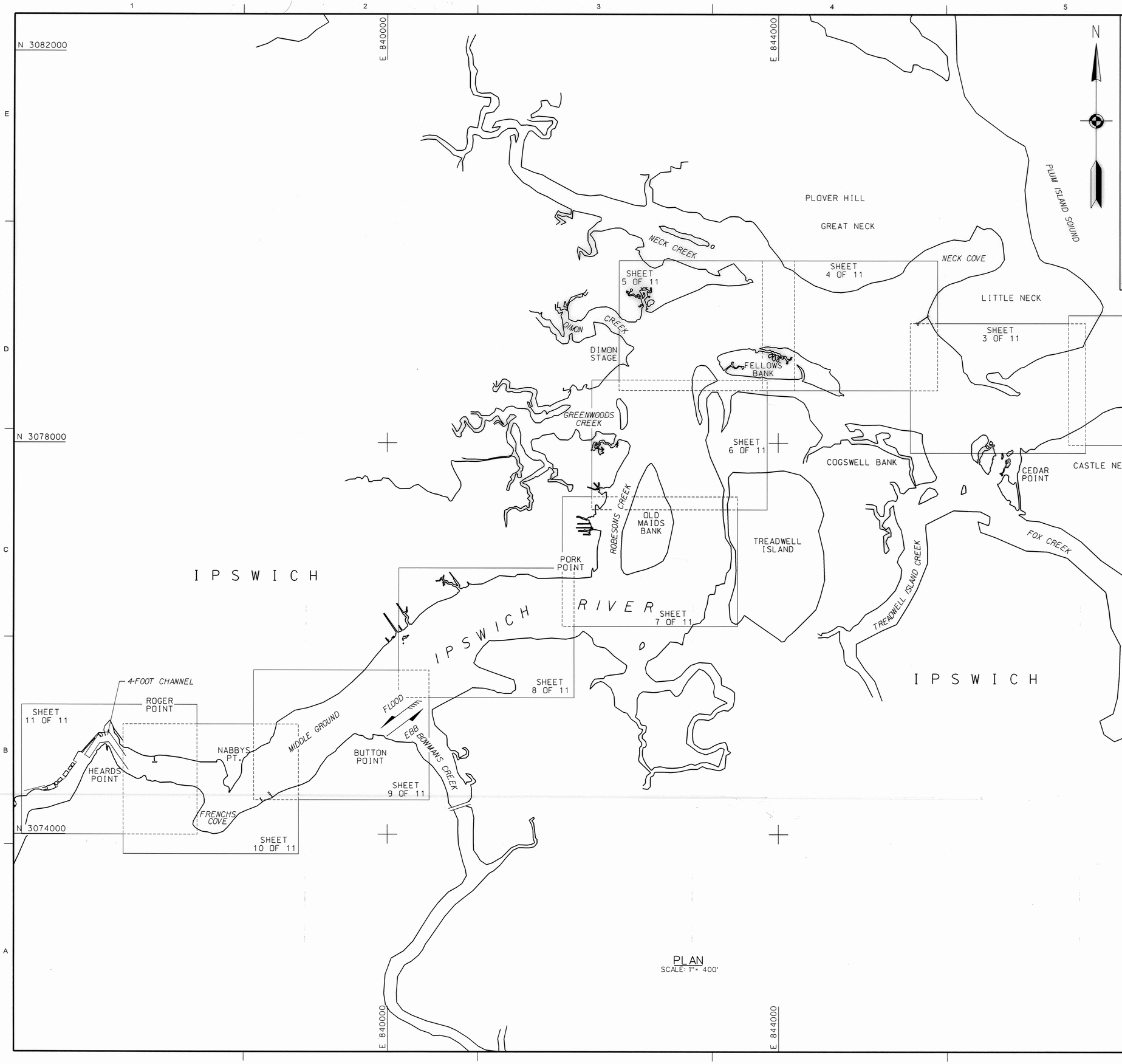
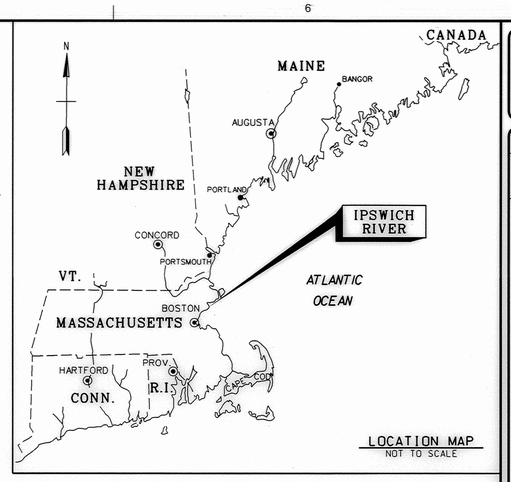


PLAN
SCALE: 1" = 400'



LOCATION MAP
NOT TO SCALE

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. 13282. 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 for Sheets 2-10: TBM Little (2008) is a chiseled square with a 1/4" drill hole in the top of a concrete stairway leading down to the water. It is located at Little Neck Wharf which is right behind House No. 63 (Grey House) River Road on Little Neck. Elevation is 13.87 feet above MLLW.
4. Bench Mark Data for Sheets 10-11: TBM Landing (2008) is a shallow 1/4" drill hole in a chiseled square at an angle point of a sidewalk and the concrete bulkhead of the Ipswich Town Landing. It can be found between a set of concrete steps to the west and a wood platform over the Ipswich River to the east. It is 26.51 feet (8.08 m) west of the end of the raised concrete curbing, 6.57 feet (2.00 m) east of a railing post (sloped) and 4.18 feet (1.27 m) north of the inside corner of the concrete bulkhead. Elevation is 12.38 feet above MLLW.
5. Coordinates shown are based on the Lambert Grid System for the Commonwealth of Massachusetts (Mainland Zone 2001) and NAD 1983.
6. Survey was performed using an Odom MK2 echotrac echosounder. Vessel positioning was obtained utilizing a Trimble 4000 SSE GPS Receiver with the U.S. Coast Guard Beacon System.
7. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted from May to June 2008.
8. 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.
9. 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.
10. Field Book: R&H 3989A
4-foot depth contour shown thus:
Depthsounder Rolls: 08-942/01-04
Surveyed by: Paul K. O'Brien and Crew

SAFETY PAYS

GRAPHIC SCALE:
1" = 400'
400 0 400 800

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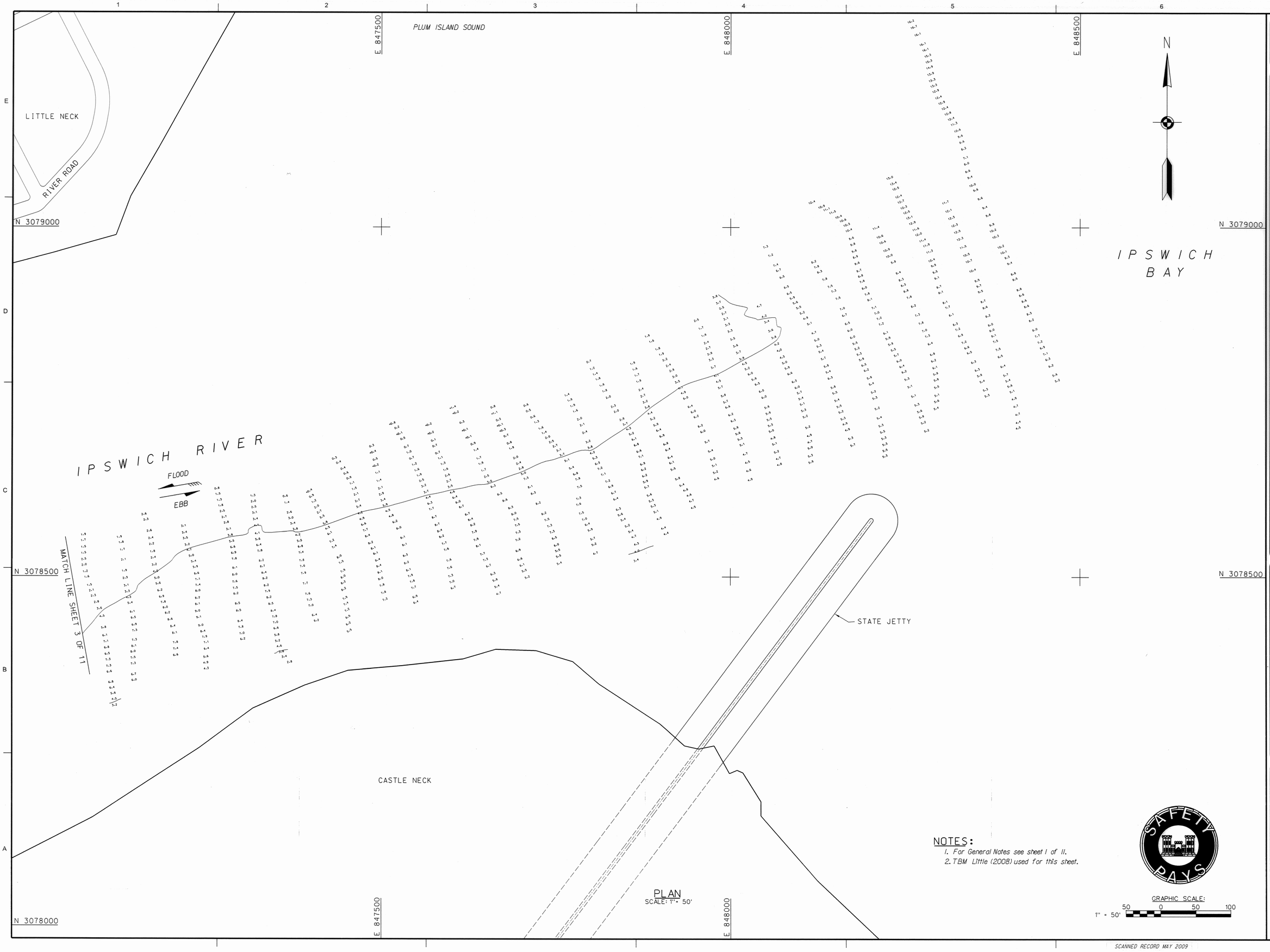
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 400'
PLOT DATE: 05/07/2009
SIZE: ANSI F
FILE NAME: IPS44V101.S01
DATE: 5/7/09
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: IPSHSP3.DGN
DRAWING CODE: IR-44

IPSWICH RIVER
IPSWICH, MASSACHUSETTS
CONDITION SURVEY

4-FOOT CHANNEL

SHEET IDENTIFICATION
V-101
SHEET 1 OF 11

SCANNED RECORD MAY 2009
SCANNED RECORD MAY 2009



PLAN
SCALE: 1" = 50'

NOTES:
1. For General Notes see sheet 1 of 11.
2. TBM Little (2008) used for this sheet.

GRAPHIC SCALE:
50 0 50 100
1" = 50'

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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 50'
PLOT DATE: 06/07/2009
SIZE: ANSI F
FILE NAME: IPS44V102.S02
DATE: 5/7/09
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: IPSHSP3.DGN
DRAWING CODE: IR-44

IPSWICH RIVER
IPSWICH, MASSACHUSETTS
CONDITION SURVEY

4-FOOT CHANNEL

SHEET IDENTIFICATION
V-102
SHEET 2 OF 11

SCANNED RECORD MAY 2009
SCANNED RECORD MAY 2009

PLAN
SCALE: 1" = 50'

NOTES:
1. For General Notes see sheet 1 of 11.
2. TBM Little (2008) used for this sheet.

GRAPHIC SCALE:
1" = 50'
50 0 50 100

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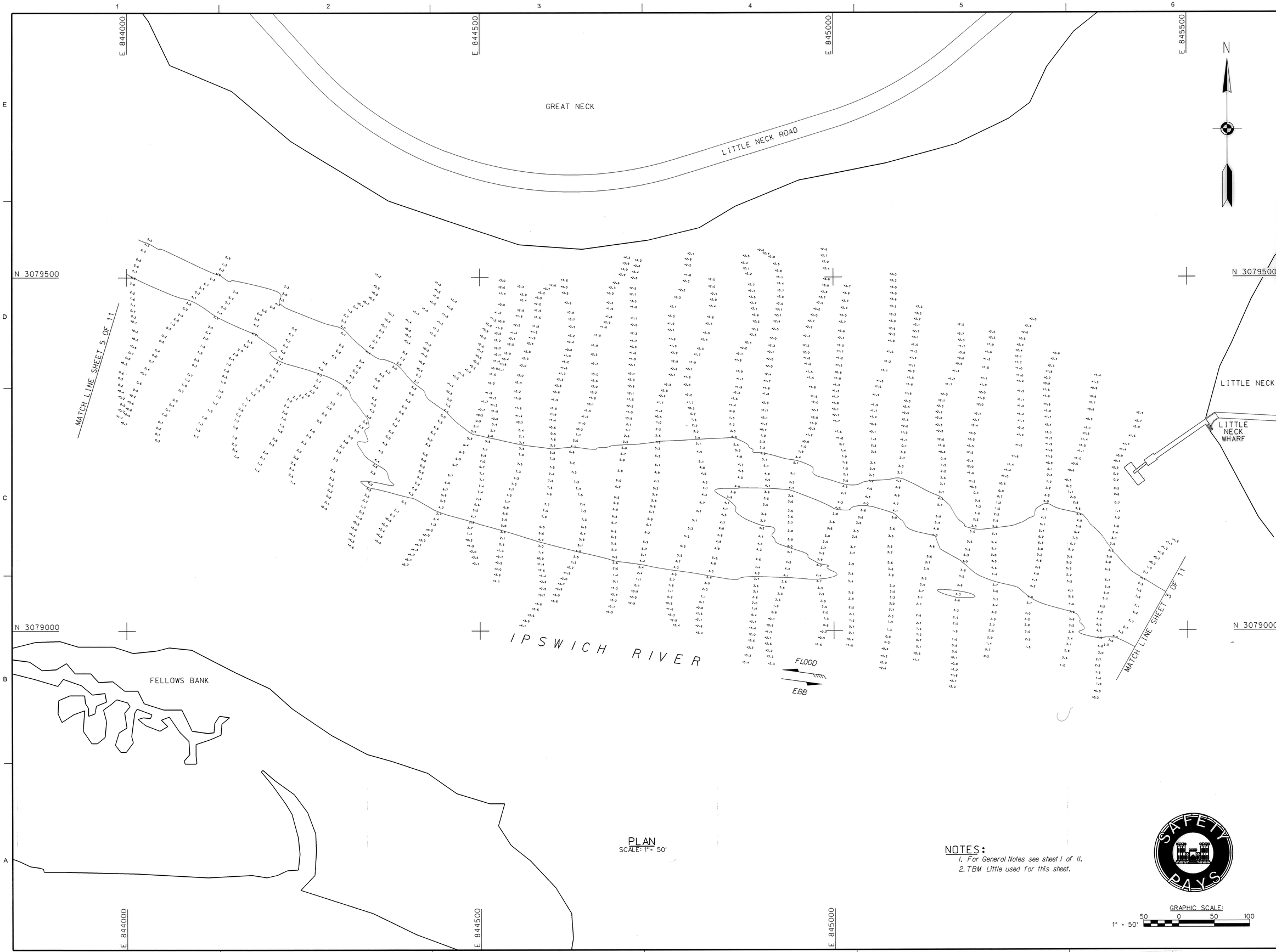
REVIEWED BY: Assist. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 5/7/09
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: IPSHSP3.DGN
DRAWING CODE: IR-44
PLOT SCALE: 1" = 50'
PLOT DATE: 05/07/2009
SIZE: ANSI F
FILE NAME: IPS44V103.S03

IPSWICH RIVER
IPSWICH, MASSACHUSETTS
CONDITION SURVEY

4-FOOT CHANNEL

SHEET IDENTIFICATION
V-103
SHEET 3 OF 11

SCANNED RECORD MAY 2009



PLAN
SCALE: 1" = 50'

NOTES:
1. For General Notes see sheet 1 of 11.
2. TBM Little used for this sheet.

GRAPHIC SCALE:
1" = 50'
50 0 50 100

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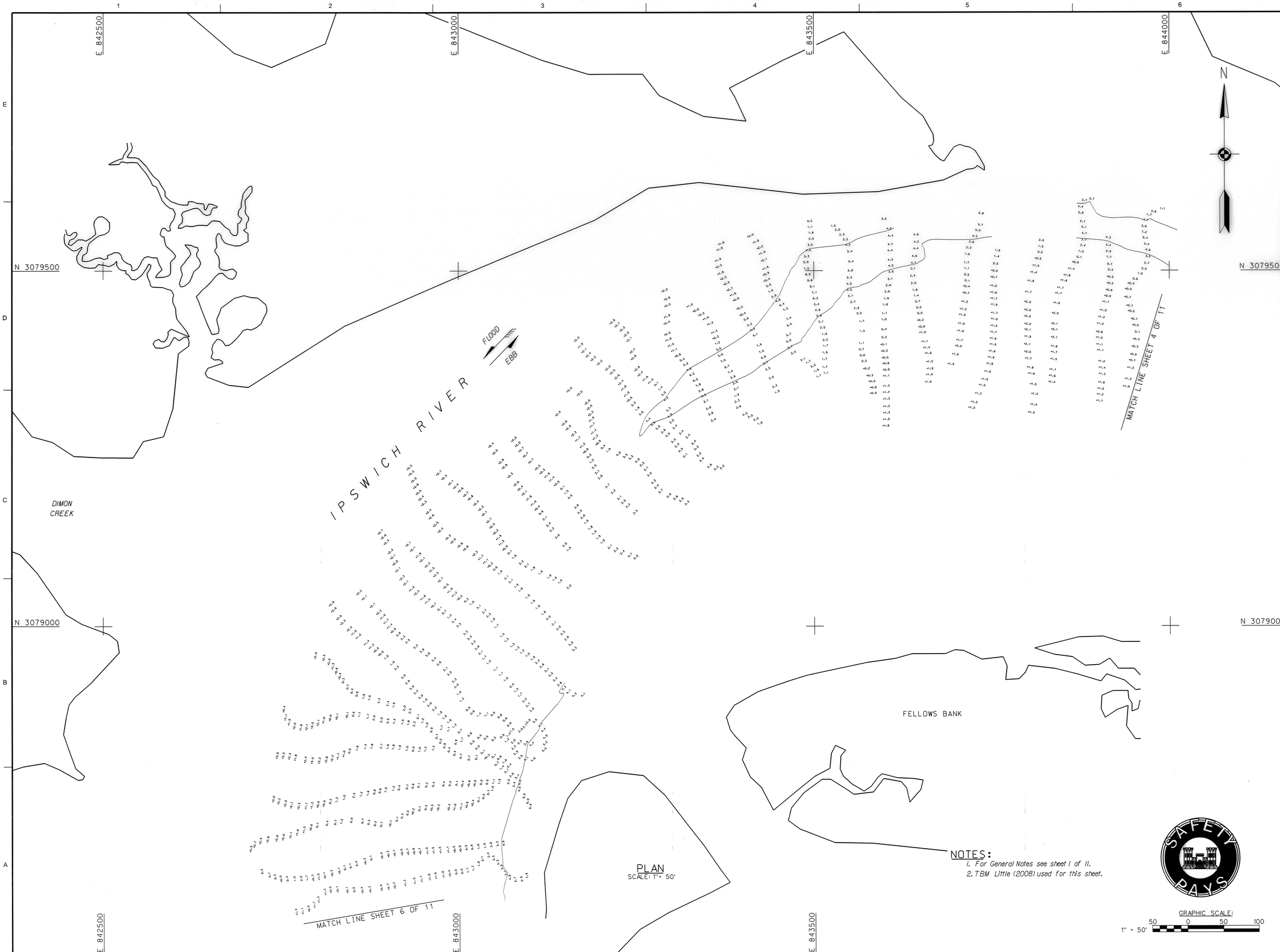
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 5/7/09
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: IPSHSP3.DGN
DRAWING CODE: IR-44
PLOT SCALE: 1" = 50'
PLOT DATE: 05/07/2009
SIZE: ANSI F
FILE NAME: IPS44V104.S04

IPSWICH RIVER
IPSWICH, MASSACHUSETTS
CONDITION SURVEY

4-FOOT CHANNEL

SHEET IDENTIFICATION
V-104
SHEET 4 OF 11

SCANNED RECORD MAY 2009



PLAN
SCALE: 1" = 50'

NOTES:
1. For General Notes see sheet 1 of 11.
2. TBM Little (2008) used for this sheet.

GRAPHIC SCALE:
1" = 50'
50 0 50 100

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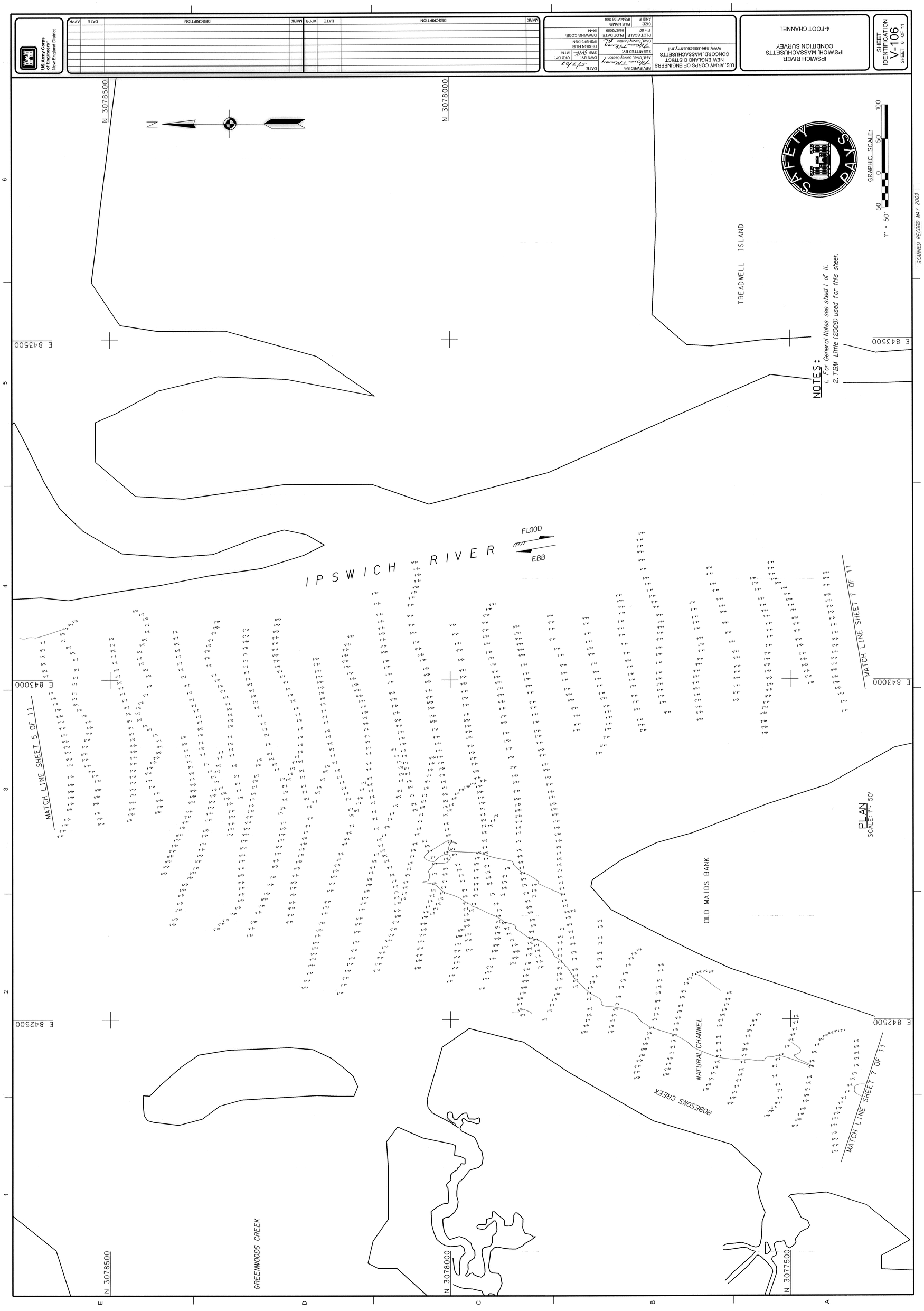
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 5/7/09
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: IPSHSP3.DGN
DRAWING CODE: IR-44
PLOT SCALE: 1" = 50'
PLOT DATE: 05/07/2009
SIZE: ANSI F
FILE NAME: IPS44V105.S05

IPSWICH RIVER
IPSWICH, MASSACHUSETTS
CONDITION SURVEY

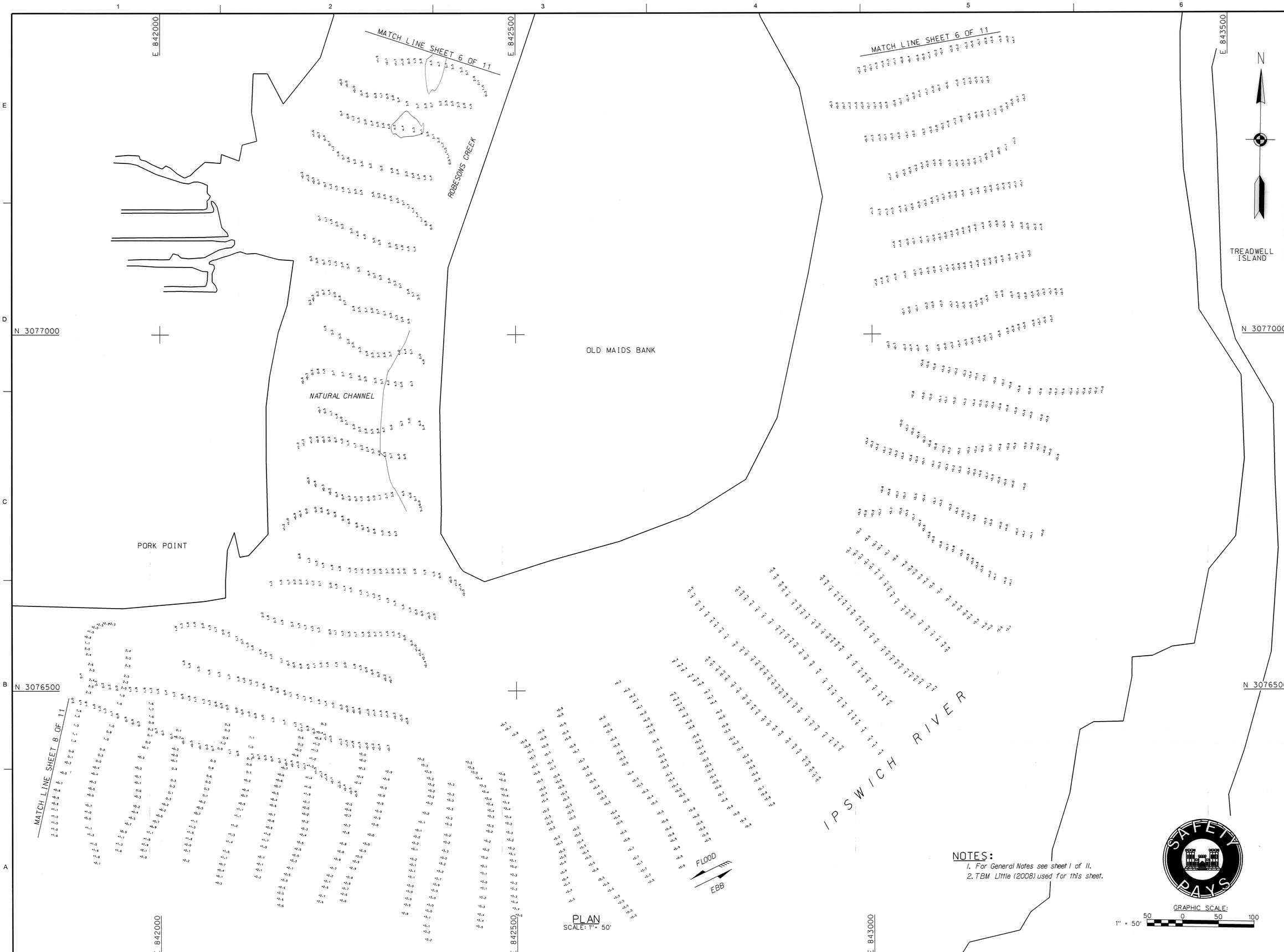
4-FOOT CHANNEL

SHEET IDENTIFICATION
V-105
SHEET 5 OF 11

SCANNED RECORD MAY 2009



NOTES:
1. For General Notes see sheet 1 of 11.
2. TBM Little (2008) used for this sheet.



PLAN
SCALE: 1" = 50'

NOTES:
1. For General Notes see sheet 1 of 11.
2. TBM Little (2008) used for this sheet.

GRAPHIC SCALE:
1" = 50'
50 0 50 100

SAFETY PAYS

US Army Corps of Engineers®
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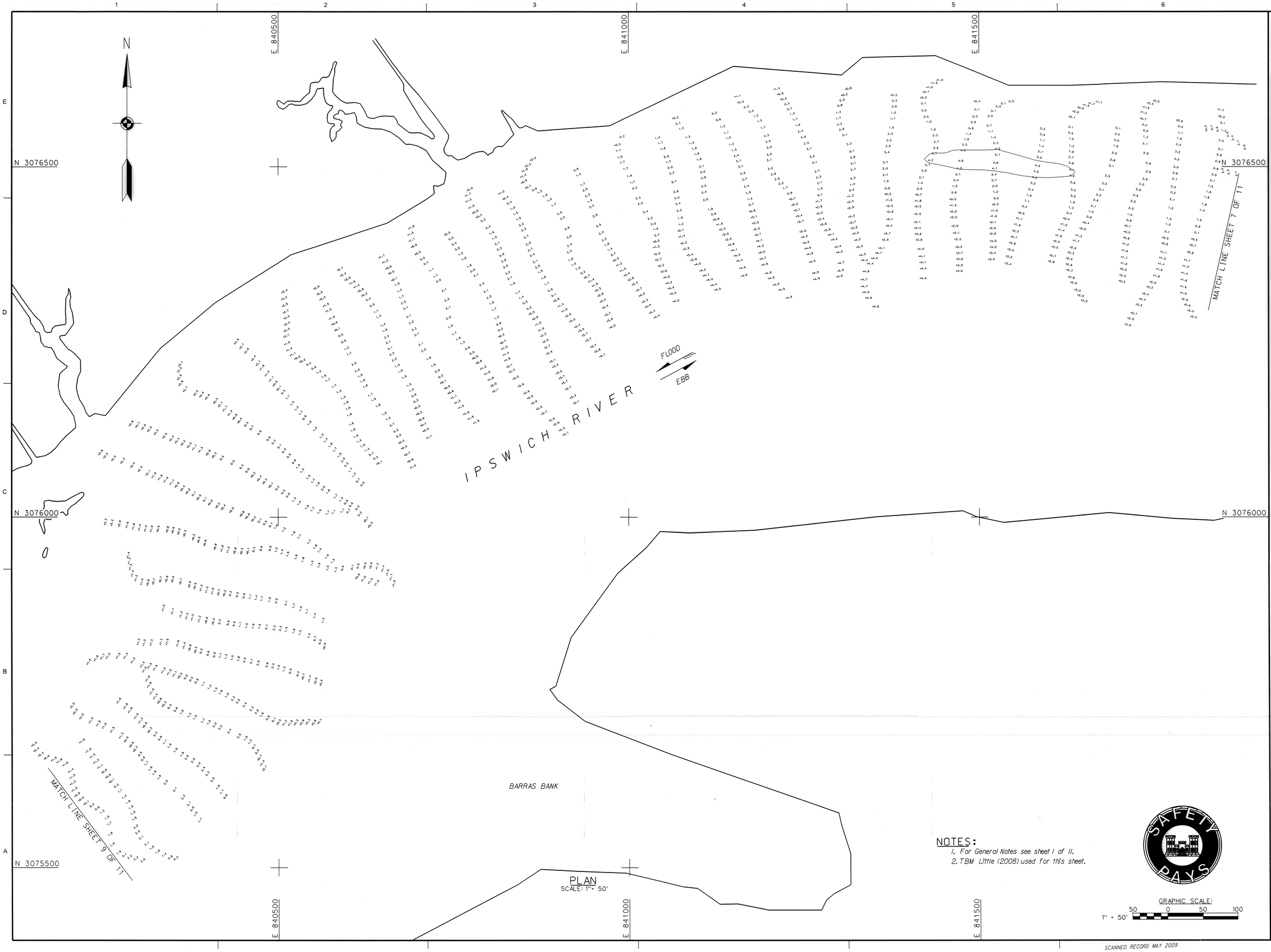
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 50'
PLOT DATE: 05/07/2009
SIZE: ANSI F
FILE NAME: IPS44V107.S07
DATE: 5/7/09
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: IPSHS03.DGN
DRAWING CODE: IR-44

IPSWICH RIVER
IPSWICH, MASSACHUSETTS
CONDITION SURVEY

4-FOOT CHANNEL

SHEET IDENTIFICATION
V-107
SHEET 7 OF 11

SCANNED RECORD MAY 2009



PLAN
SCALE: 1" = 50'

NOTES:
1. For General Notes see sheet 1 of 11.
2. TBM Little (2008) used for this sheet.

GRAPHIC SCALE:
1" = 50'
50 0 50 100

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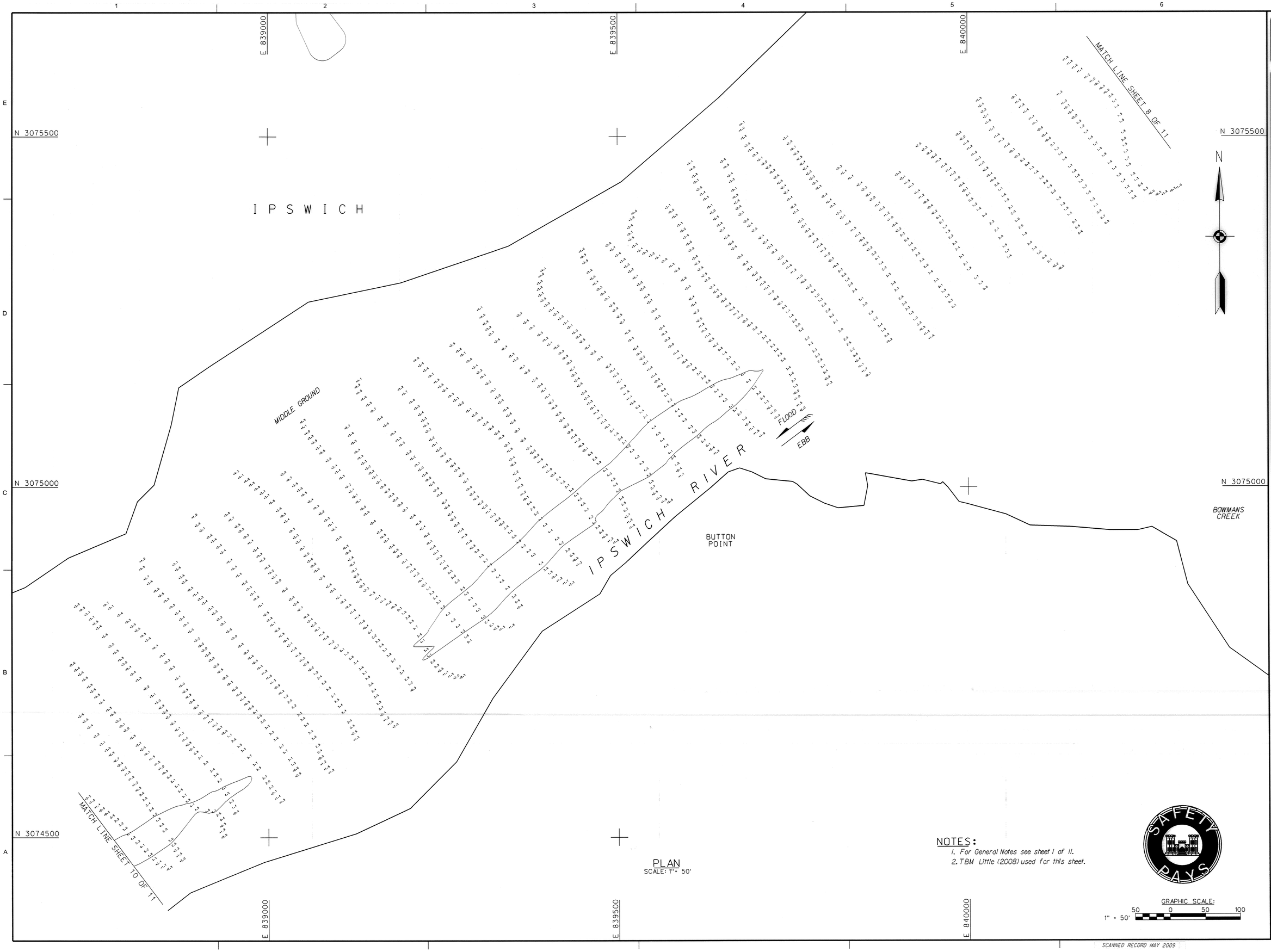
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 5/1/09
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: IPSHSP3.DGN
DRAWING CODE: IR-44
PLOT SCALE: 1" = 50'
PLOT DATE: 06/07/2009
SIZE: ANSI F
FILE NAME: IPS44V108.S08

IPSWICH RIVER
IPSWICH, MASSACHUSETTS
CONDITION SURVEY

4-FOOT CHANNEL

SHEET IDENTIFICATION
V-108
SHEET 8 OF 11

SCANNED RECORD MAY 2009



PLAN
SCALE: 1" = 50'

NOTES:
1. For General Notes see sheet 1 of 11.
2. TBM Little (2008) used for this sheet.

GRAPHIC SCALE:
1" = 50'
50 0 50 100

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U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
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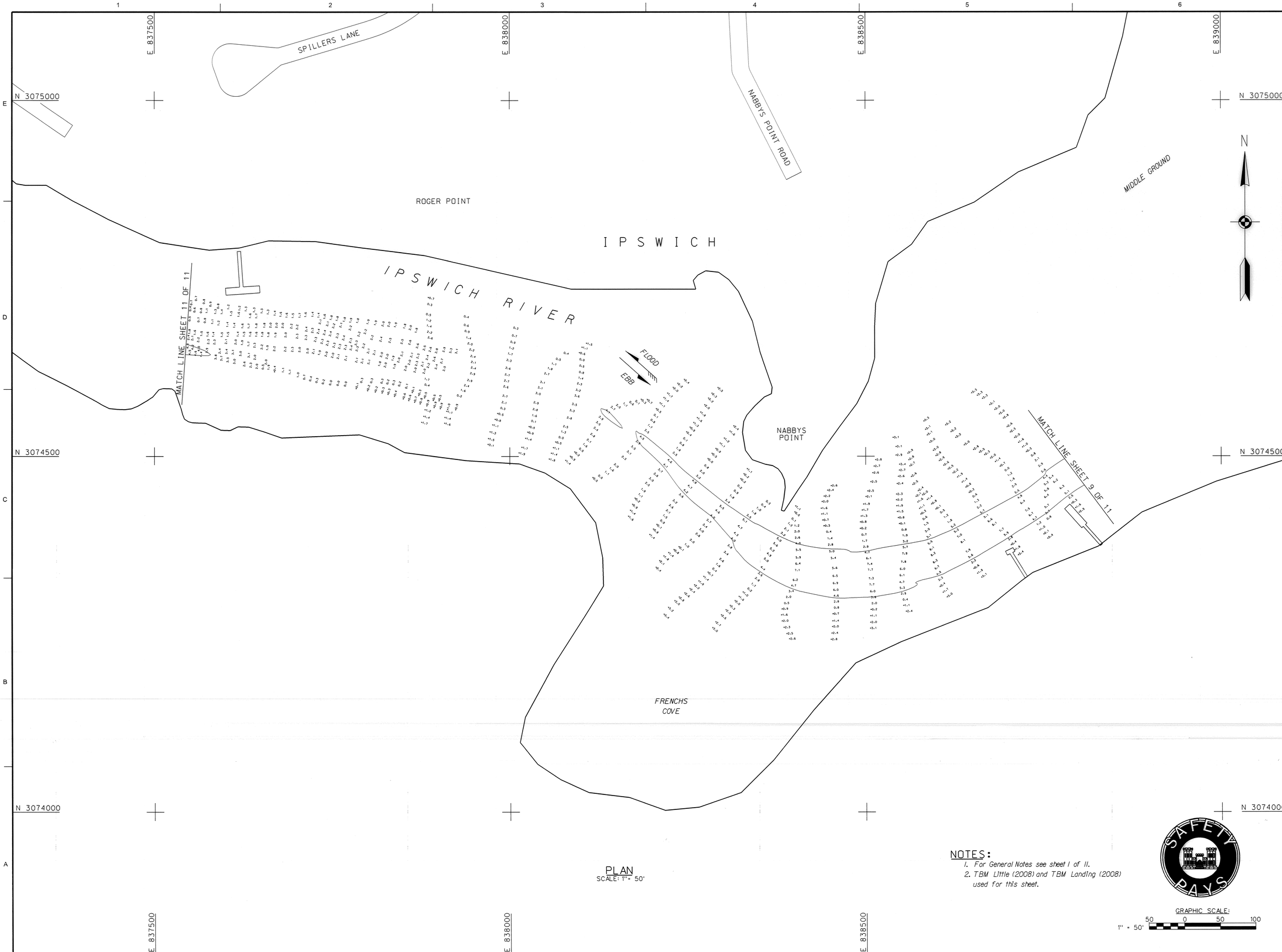
REVIEWED BY: Mark Tmaney
Asst. Chief, Survey Section
SUBMITTED BY: Mark Tmaney
Chief, Survey Section
PLOT SCALE: 1" = 50'
PLOT DATE: 05/07/2009
SIZE: ANSI F
FILE NAME: IPS44V109.S09
DATE: 5/7/09
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: IPSHSP3.DGN
DRAWING CODE: IR-44

IPSWICH RIVER
IPSWICH, MASSACHUSETTS
CONDITION SURVEY

4-FOOT CHANNEL

SHEET IDENTIFICATION
V-109
SHEET 9 OF 11

SCANNED RECORD MAY 2009



PLAN
SCALE: 1" = 50'

NOTES:
1. For General Notes see sheet 1 of 11.
2. TBM Little (2008) and TBM Landing (2008) used for this sheet.

GRAPHIC SCALE:
1" = 50'
50 0 50 100

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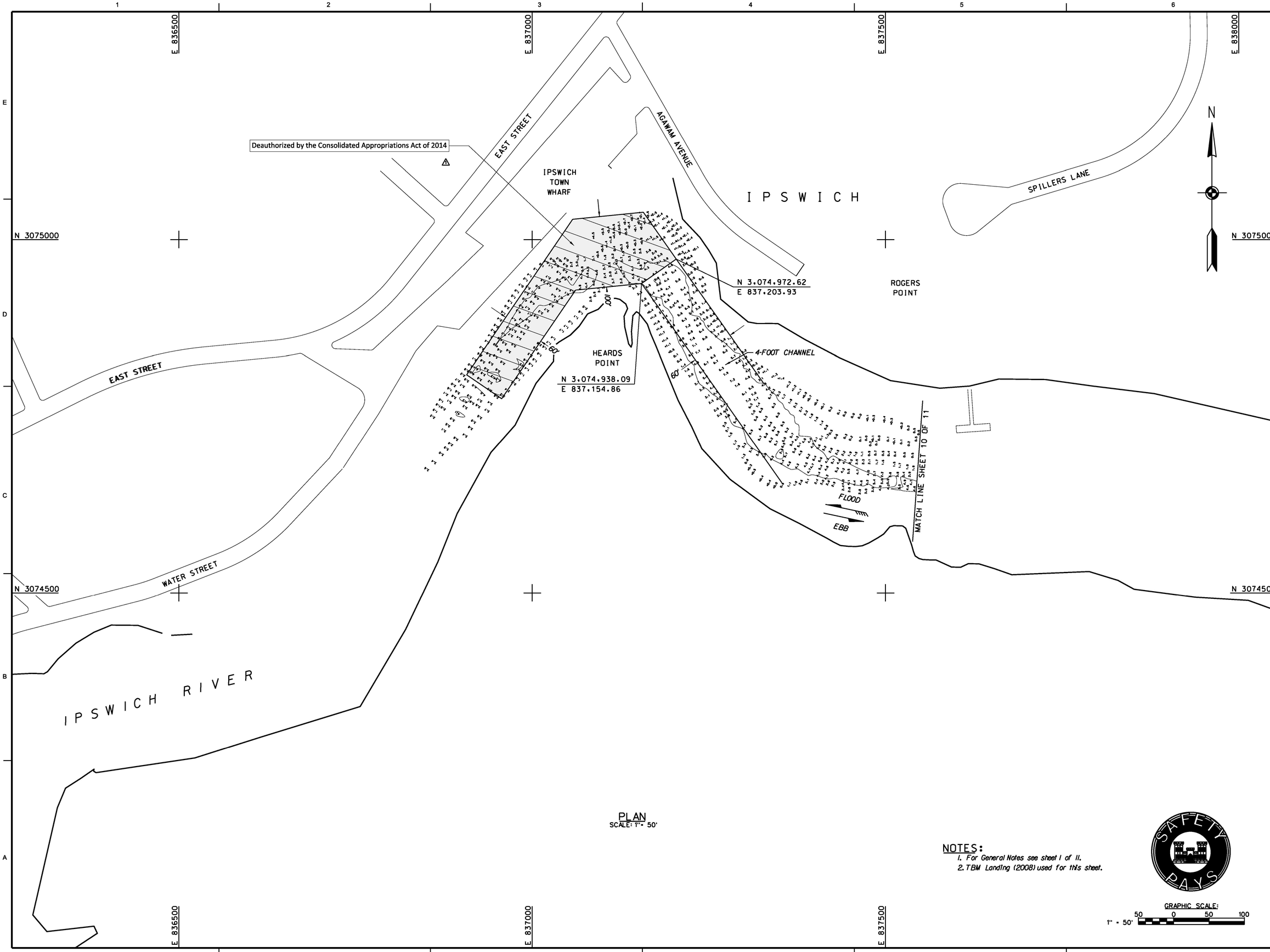
REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 50'
PLOT DATE: 06/07/2009
SIZE: ANSI F
FILE NAME: IPS44V110.S10
DATE: 5/7/09
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: IPSHSP3.DGN
DRAWING CODE: IR-44

IPSWICH RIVER
IPSWICH, MASSACHUSETTS
CONDITION SURVEY

4-FOOT CHANNEL

SHEET IDENTIFICATION
V-110
SHEET 10 OF 11

SCANNED RECORD MAY 2009



PLAN
SCALE: 1" = 50'

NOTES:
1. For General Notes see sheet 1 of 11.
2. TBM Landing (2008) used for this sheet.

GRAPHIC SCALE:
1" = 50'
50 0 50 100

US Army Corps of Engineers®
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MARK	DESCRIPTION	DATE	APPR.
1	Deauthorized by the Consolidated Appropriations Act of 2014.	05/30/2014	JWP

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NEW ENGLAND DISTRICT
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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 50'
PLOT DATE: 05/07/2009
SIZE: ANSI F
FILE NAME: IPS44V111.S11
DATE: 5/1/09
DWN BY: SWK
CKD BY: MTM
DESIGN FILE: IPSHSP3.DGN
DRAWING CODE: IR-44

IPSWICH RIVER
IPSWICH, MASSACHUSETTS
CONDITION SURVEY

4-FOOT CHANNEL

SHEET IDENTIFICATION
V-111
SHEET 11 OF 11