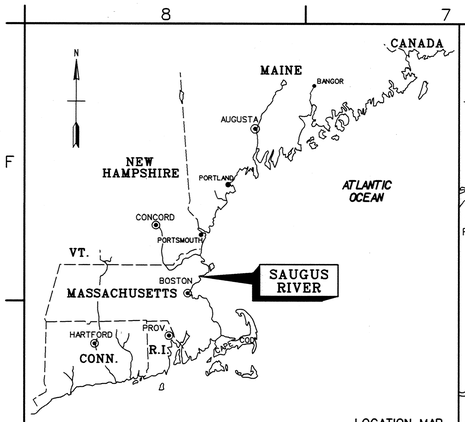
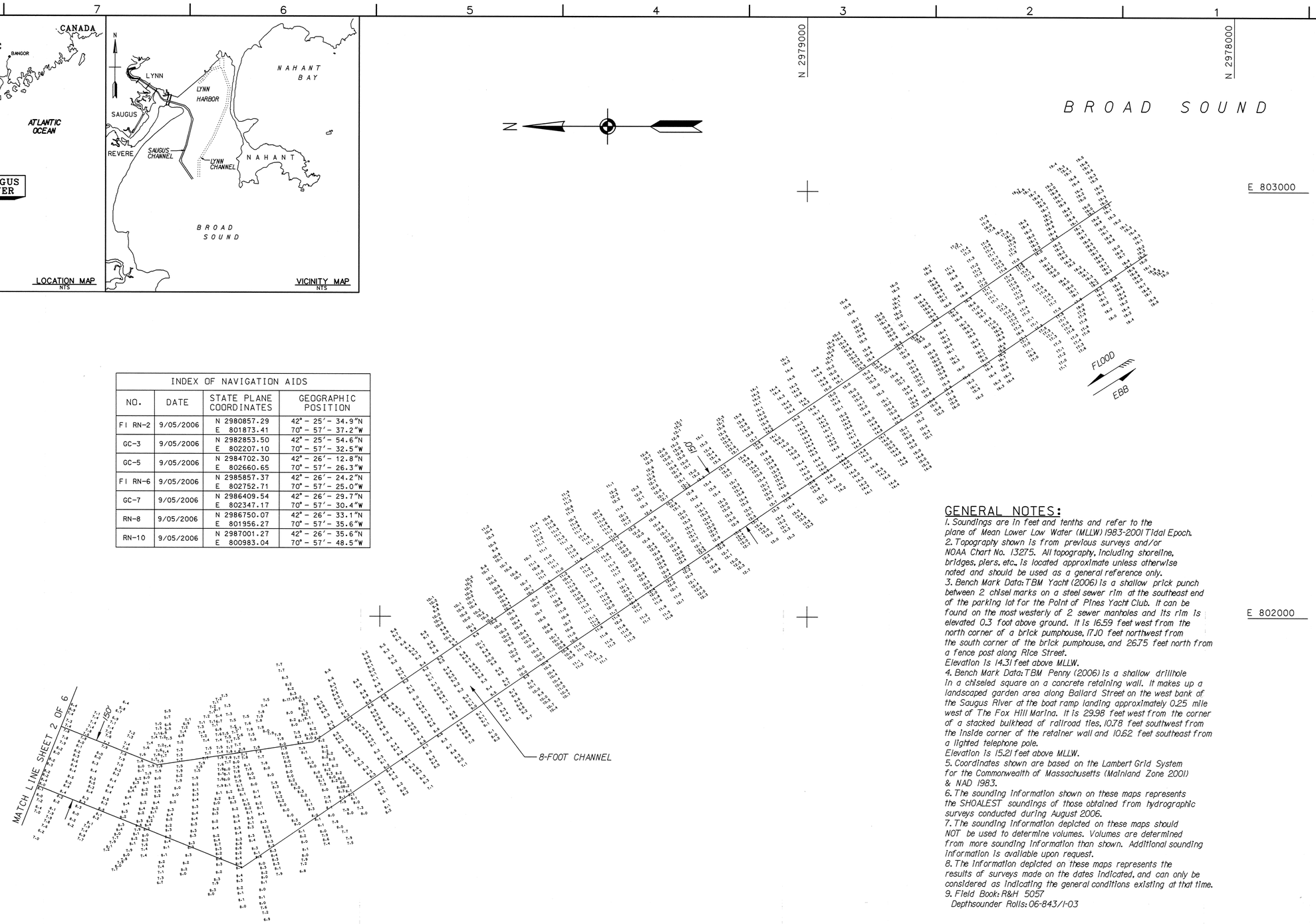


LOCATION MAP
NTS

VICINITY MAP
NTS

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
FI RN-2	9/05/2006	N 2980857.29 E 801873.41	42° - 25′ - 34.9″N 70° - 57′ - 37.2″W
GC-3	9/05/2006	N 2982853.50 E 802207.10	42° - 25′ - 54.6″N 70° - 57′ - 32.5″W
GC-5	9/05/2006	N 2984702.30 E 802660.65	42° - 26′ - 12.8″N 70° - 57′ - 26.3″W
FI RN-6	9/05/2006	N 2985857.37 E 802752.71	42° - 26′ - 24.2″N 70° - 57′ - 25.0″W
GC-7	9/05/2006	N 2986409.54 E 802347.17	42° - 26′ - 29.7″N 70° - 57′ - 30.4″W
RN-8	9/05/2006	N 2986750.07 E 801956.27	42° - 26′ - 33.1″N 70° - 57′ - 35.6″W
RN-10	9/05/2006	N 2987001.27 E 800983.04	42° - 26′ - 35.6″N 70° - 57′ - 48.5″W



PLAN
SCALE: 1" = 100'

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. 13275. 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: TBM Yacht (2006) is a shallow prick punch between 2 chisel marks on a steel sewer rim at the southeast end of the parking lot for the Point of Pines Yacht Club. It can be found on the most westerly of 2 sewer manholes and its rim is elevated 0.3 foot above ground. It is 16.59 feet west from the north corner of a brick pumphouse, 17.10 feet northwest from the south corner of the brick pumphouse, and 26.75 feet north from a fence post along Rice Street.
Elevation is 14.31 feet above MLLW.
4. Bench Mark Data: TBM Penny (2006) is a shallow drillhole in a chiseled square on a concrete retaining wall. It makes up a landscaped garden area along Ballard Street on the west bank of the Saugus River at the boat ramp landing approximately 0.25 mile west of The Fox Hill Marina. It is 29.98 feet west from the corner of a stacked bulkhead of railroad ties, 10.78 feet southwest from the inside corner of the retainer wall and 10.62 feet southeast from a lighted telephone pole.
Elevation is 15.21 feet above MLLW.
5. Coordinates shown are based on the Lambert Grid System for the Commonwealth of Massachusetts (Mainland Zone 2001) & NAD 1983.
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during August 2006.
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 5057
Depthsounder Rolls: 06-843/1-03

SAFETY PAYS

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

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

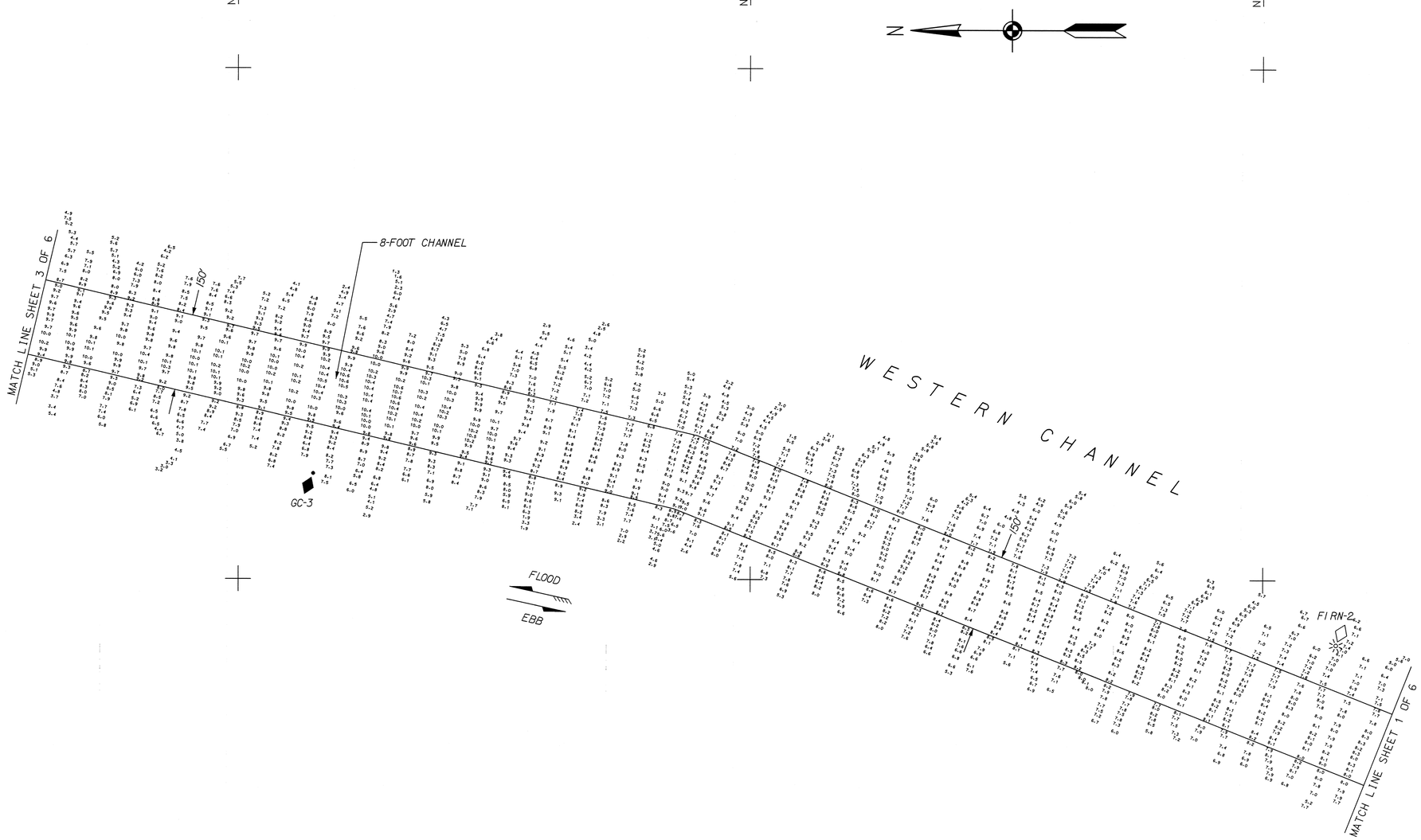
Surveyed By: P.K. O'Brien, Hydrographic Crew
Plotted By: V.J. Garabedian
Drawing code: SR-7
File name: SAUV101S01
Plot date: 3/26/2008
Plot scale: 1"=100'
Date: 3/27/2008
Design file:
Asst. Chief, Survey Section
Chief, Survey Section

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

SAUGUS RIVER
SAUGUS, LYNN, AND REVERE
MASSACHUSETTS
6 AND 8-FOOT CHANNELS
6-FOOT ANCHORAGES
CONDITION SURVEY

Reference number:
V-1
Sheet 1 of 6

SCANNED RECORD
MAR-2008



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see Sheet 1 of 6

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

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

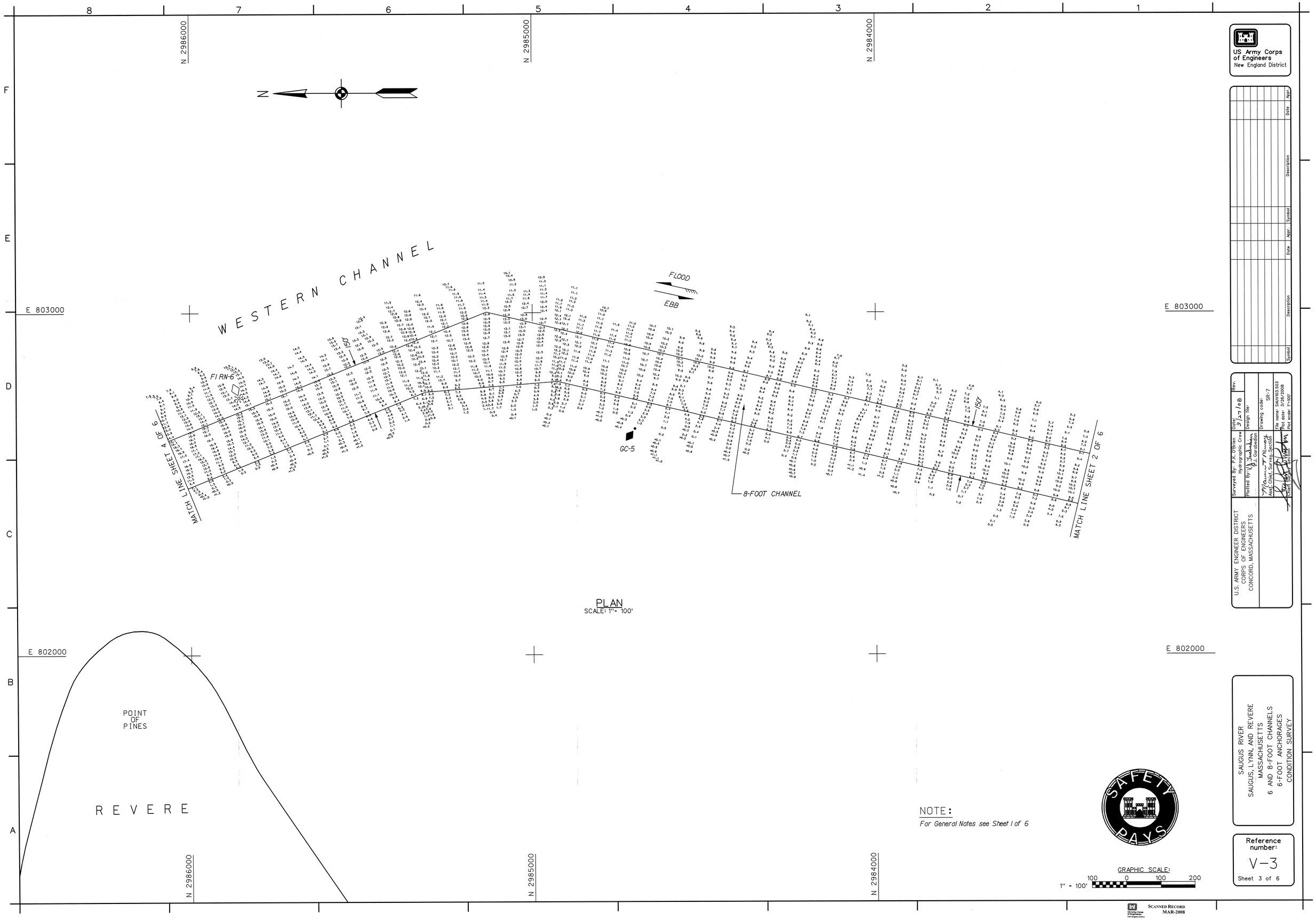
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: P.K. O'Brien
Hydrographic Crew
Date: 3/27/08
Rev.
Plotted By: V.J. Gorobedian
Design file:
Drawing code: SR-7
Asst. Chief, Survey Section
File name: SAUV02.S02
Plot date: 3/26/2008
Plot scale: 1"=100'
Chief, Survey Section

SAUGUS RIVER
SAUGUS, LYNN, AND REVERE
MASSACHUSETTS
6 AND 8-FOOT CHANNELS
6-FOOT ANCHORAGES
CONDITION SURVEY

Reference number:
V-2
Sheet 2 of 6

SCANNED RECORD
MAR-2008



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see Sheet 1 of 6

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

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

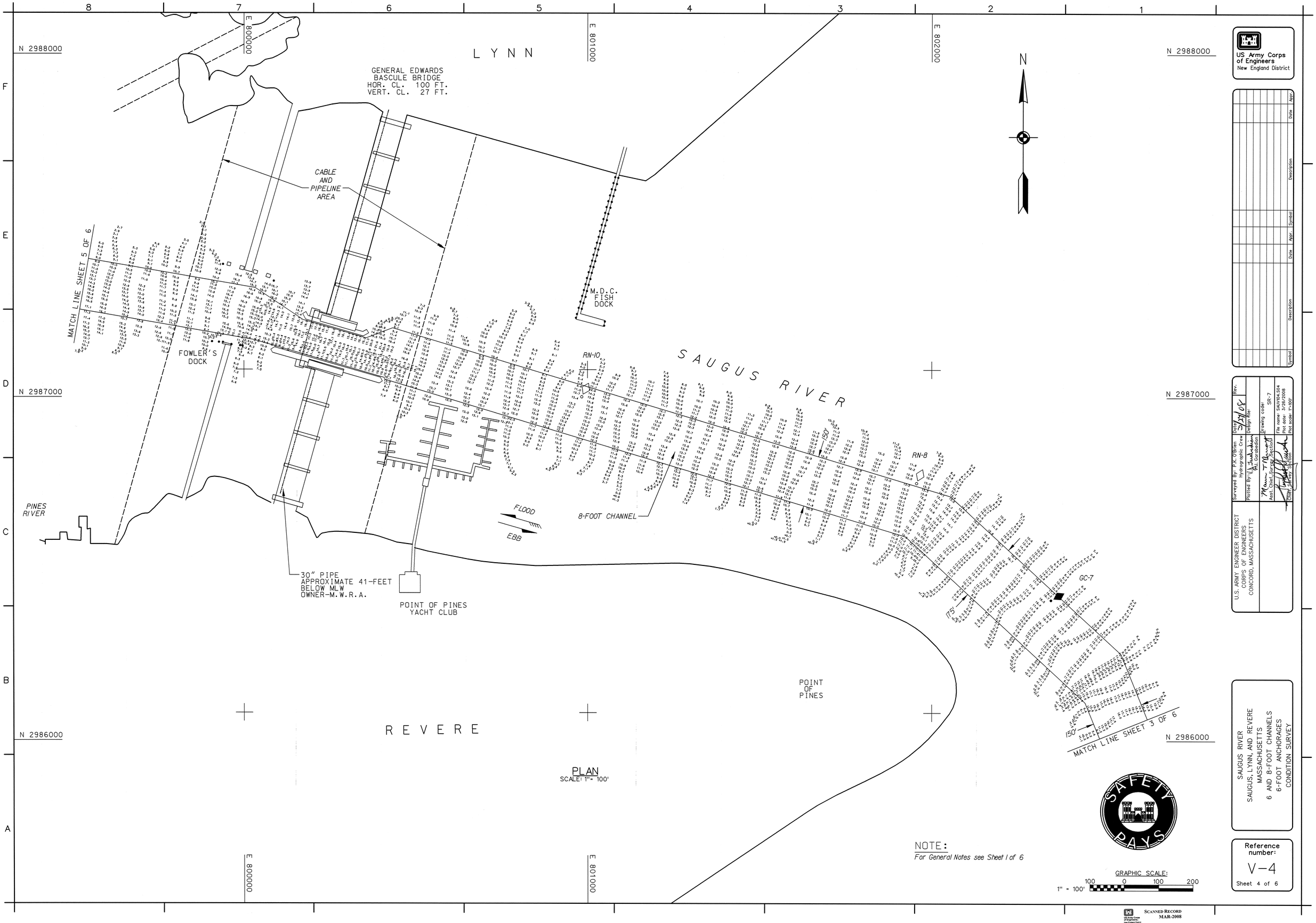
Surveyed By: P.K. O'Brien
Hydrographic Crew
Plotted By: V.J. Gabedian
P.J. Gabedian
Asst. Chief, Survey Section
Chief, Survey Section

Date: 3/27/08
Design file:
Drawing code: SR-7
File name: SAUV03.S03
Plot date: 3/26/2008
Plot scale: 1"=100'

SAUGUS RIVER
SAUGUS, LYNN, AND REVERE
MASSACHUSETTS
6 AND 8-FOOT CHANNELS
6-FOOT ANCHORAGES
CONDITION SURVEY

Reference number:
V-3
Sheet 3 of 6

SCANNED RECORD
MAR-2008



PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see Sheet 1 of 6

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

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

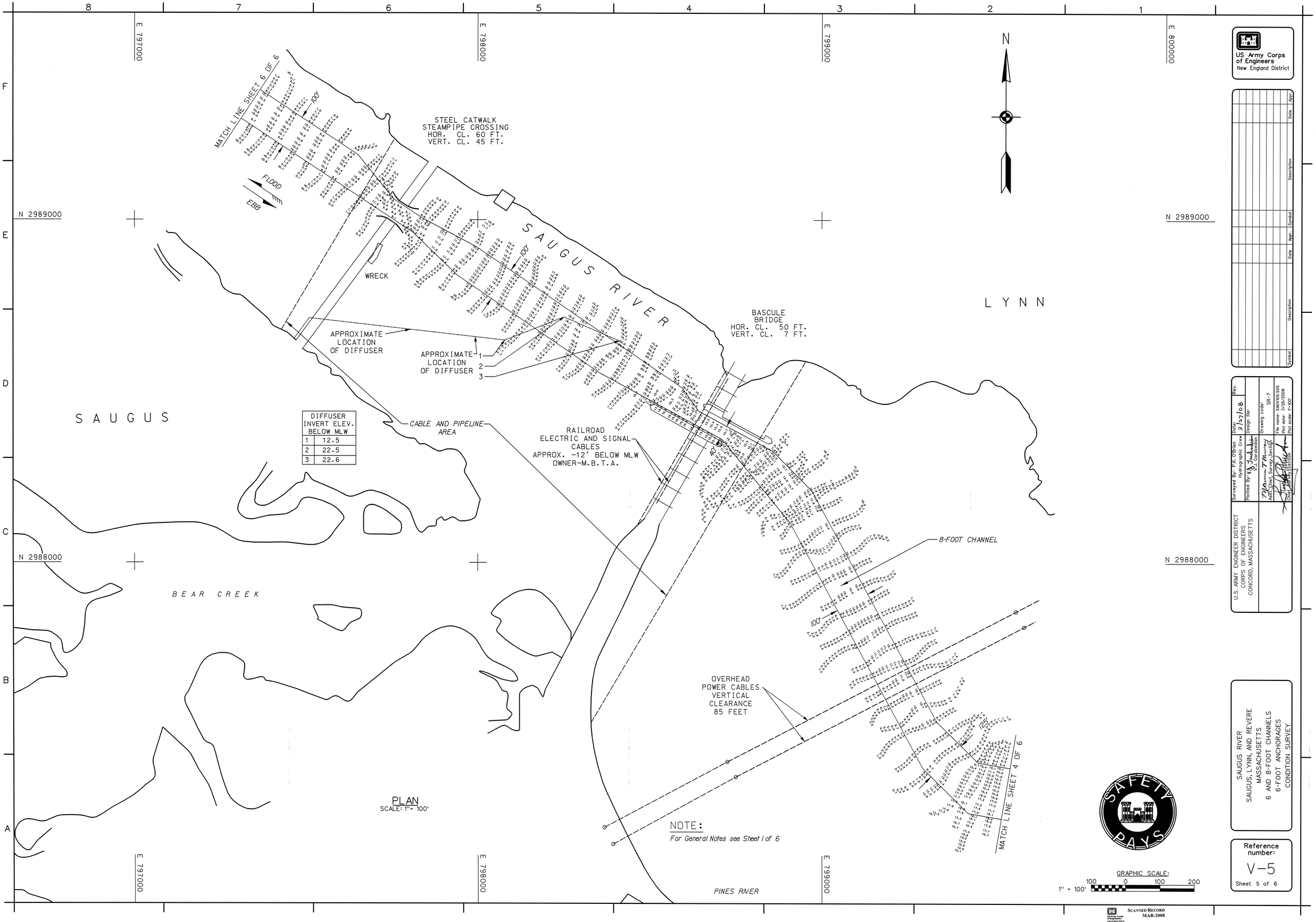
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: P.K. O'Brien
Hydrographic Crew
Date: 3/27/08
Rev.
Plotted By: J. Jurdeson
R.J. Garabedian
Design File:
Drawing code: SR-7
Asst. Chief, Survey Section
File name: SAUV104.S04
Plot date: 3/26/2008
Plot scale: 1"=100'
Chief, Survey Section

SAUGUS RIVER
SAUGUS, LYNN, AND REVERE
MASSACHUSETTS
6 AND 8-FOOT CHANNELS
6-FOOT ANCHORAGES
CONDITION SURVEY

Reference number:
V-4
Sheet 4 of 6

SCANNED RECORD
MAR-2008



DIFFUSER INVERT ELEV. BELOW MLW	
1	12.5
2	22.5
3	22.6

PLAN
SCALE: 1" = 100'

NOTE:
For General Notes see Sheet 1 of 6

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: P.K. O'Brien
Hydrographic Crew
Plotted By: V.A. Jackson
V.J. Gerobedian
ASST. Chief, Survey Section
Chief, Survey Section
Date: 3/27/08
Design file:
Drawing code: SR-7
File name: SAUV05.S05
Plot date: 3/26/2008
Plot scale: 1" = 100'
Rev.

SAUGUS RIVER
SAUGUS, LYNN, AND REVERE
MASSACHUSETTS
6 AND 8-FOOT CHANNELS
6-FOOT ANCHORAGES
CONDITION SURVEY

Reference number:
V-5
Sheet 5 of 6

SAFETY PAYS

US Army Corps of Engineers New England District
SCANNED RECORD
MAR-2008

\\MAIS\AU\T06828\SAUV105.S05 3/26/2008 3:14:59 PM

PLAN

SCALE: 1"=100'

NOTE:

For General Notes see Sheet 1 of 6

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