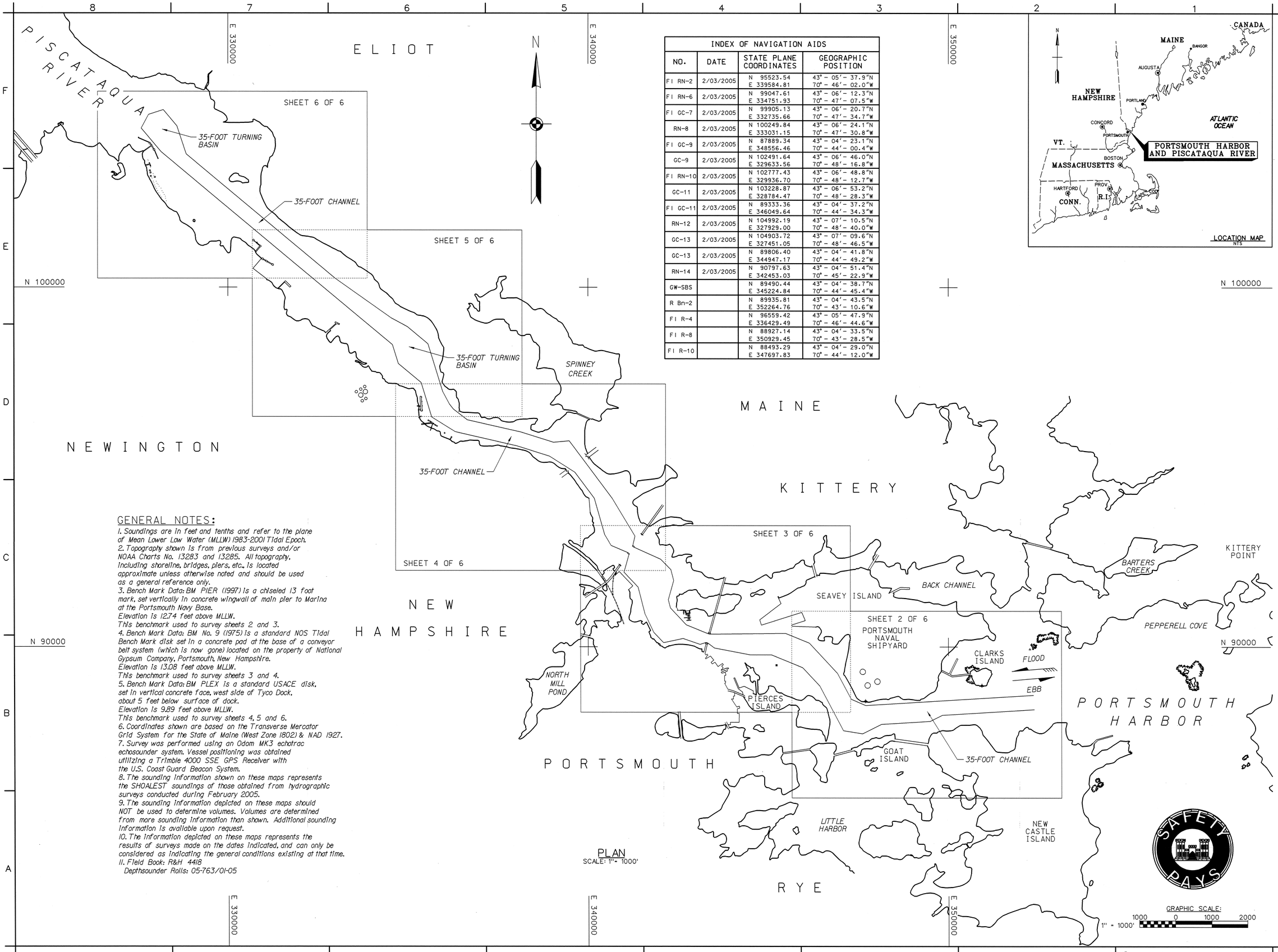
INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
Fl RN-2	2/03/2005	N 95523.54 E 339584.81	43° - 05′ - 37.9″N 70° - 46′ - 02.0″W
Fl RN-6	2/03/2005	N 99047.61 E 334751.93	43° - 06′ - 12.3″N 70° - 47′ - 07.5″W
Fl GC-7	2/03/2005	N 99905.13 E 332735.66	43° - 06′ - 20.7″N 70° - 47′ - 34.7″W
RN-8	2/03/2005	N 100249.84 E 333031.15	43° - 06′ - 24.1″N 70° - 47′ - 30.8″W
Fl GC-9	2/03/2005	N 87889.34 E 348556.46	43° - 04′ - 23.1″N 70° - 44′ - 00.4″W
GC-9	2/03/2005	N 102491.64 E 329633.56	43° - 06′ - 46.0″N 70° - 48′ - 16.8″W
Fl RN-10	2/03/2005	N 102777.43 E 329936.70	43° - 06′ - 48.8″N 70° - 48′ - 12.7″W
GC-11	2/03/2005	N 103228.87 E 328784.47	43° - 06′ - 53.2″N 70° - 48′ - 28.3″W
Fl GC-11	2/03/2005	N 89333.36 E 346049.64	43° - 04′ - 37.2″N 70° - 44′ - 34.3″W
RN-12	2/03/2005	N 104992.19 E 327929.00	43° - 07′ - 10.5″N 70° - 48′ - 40.0″W
GC-13	2/03/2005	N 104903.72 E 327451.05	43° - 07′ - 09.6″N 70° - 48′ - 46.5″W
GC-13	2/03/2005	N 89806.40 E 344947.17	43° - 04′ - 41.8″N 70° - 44′ - 49.2″W
RN-14	2/03/2005	N 90797.63 E 342453.03	43° - 04′ - 51.4″N 70° - 45′ - 22.9″W
GW-SBS		N 89490.44 E 345224.84	43° - 04′ - 38.7″N 70° - 44′ - 45.4″W
R Bn-2		N 89935.81 E 352264.76	43° - 04′ - 43.5″N 70° - 43′ - 10.6″W
Fl R-4		N 96559.42 E 336429.49	43° - 05′ - 47.9″N 70° - 46′ - 44.6″W
Fl R-8		N 88927.14 E 350929.45	43° - 04′ - 33.5″N 70° - 43′ - 28.5″W
Fl R-10		N 88493.29 E 347697.83	43° - 04′ - 29.0″N 70° - 44′ - 12.0″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 Charts No. 13283 and 13285. 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: BM PIER (1997) is a chiseled 13 foot mark, set vertically in concrete wingwall of main pier to Marina at the Portsmouth Navy Base. Elevation is 12.74 feet above MLLW. This benchmark used to survey sheets 2 and 3.
4. Bench Mark Data: BM No. 9 (1975) is a standard NOS Tidal Bench Mark disk set in a concrete pad at the base of a conveyor belt system (which is now gone) located on the property of National Gypsum Company, Portsmouth, New Hampshire. Elevation is 13.08 feet above MLLW. This benchmark used to survey sheets 3 and 4.
5. Bench Mark Data: BM PLEX is a standard USACE disk, set in vertical concrete face, west side of Tyco Dock, about 5 feet below surface of dock. Elevation is 9.89 feet above MLLW. This benchmark used to survey sheets 4, 5 and 6.
6. Coordinates shown are based on the Transverse Mercator Grid System for the State of Maine (West Zone 1802) & NAD 1927.
7. Survey was performed using an Odom MK3 echotrac echosounder system. Vessel positioning was obtained utilizing a Trimble 4000 SSE GPS Receiver with the U.S. Coast Guard Beacon System.
8. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during February 2005.
9. 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.
10. 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.
11. Field Book: R&H 4418
    Depthsounder Rolls: 05-763/01-05

US Army Corps of Engineers
New England District

No.	Description	Date	Appr.	Symbol	Description	Date	Appr.

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

Surveyed By: Robert MacGovern, Peter Lamprey, Crew
Plotted By: V.A. Jacobson
Drawn By: V.A. Jacobson / S.W. Kelley
Date: 4/9/2007
Design files:
Drawing code: 2610
File name: PSV01501
Plot date: 04/9/07
Plot scale: 1"=1000'
Rev.
Asst. Chief, Survey Section
Chief, Survey Section

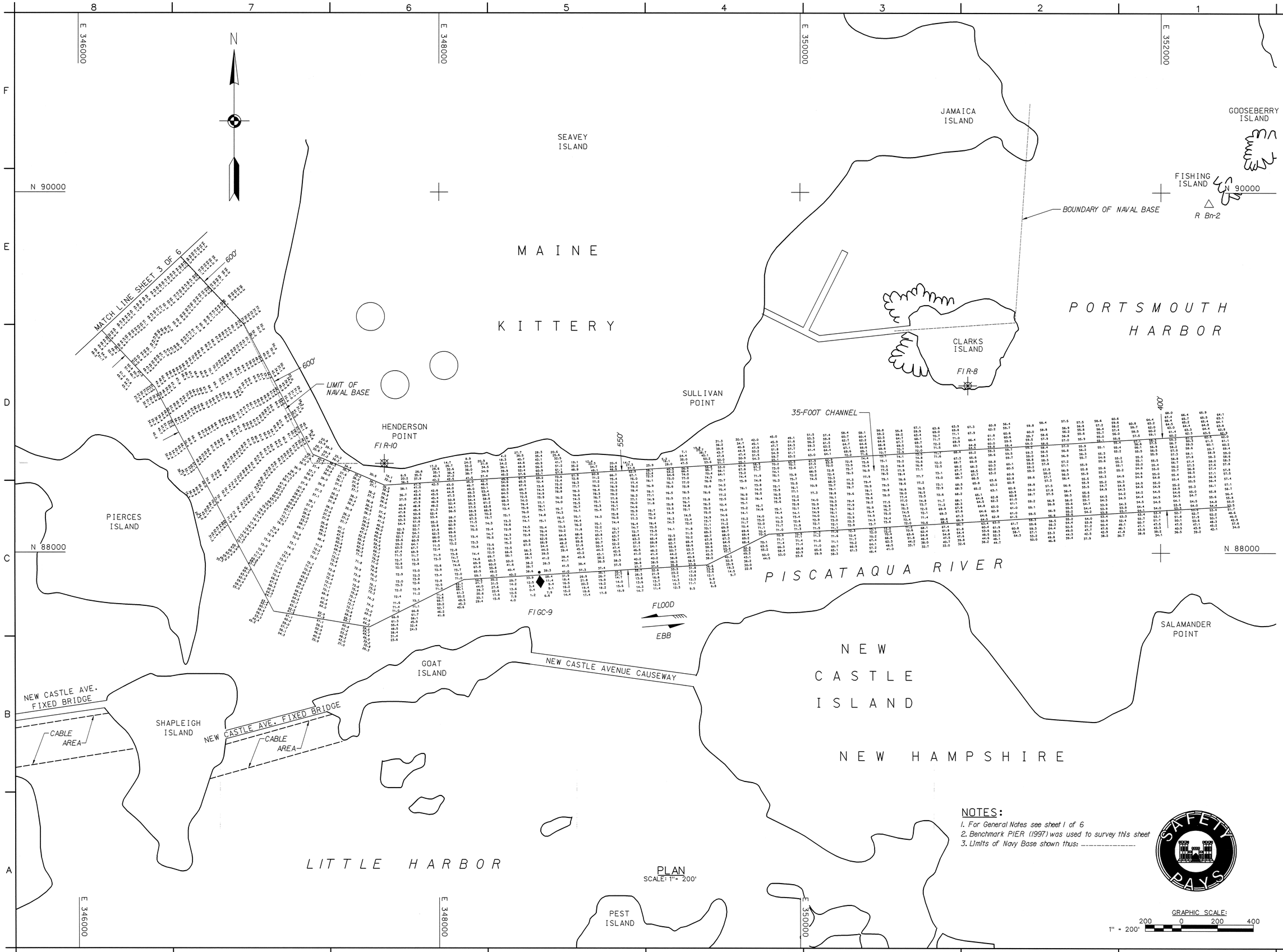
PORTSMOUTH HARBOR AND PISCATAQUA RIVER
MAINE AND NEW HAMPSHIRE
CONDITION SURVEY

35-FOOT CHANNEL AND TURNING BASINS

SAFETY PAYS

Reference number:
V-1
Sheet 1 of 6

Scanned Recorded Apr. 2007



PLAN
SCALE: 1" = 200'

NOTES:
1. For General Notes see sheet 1 of 6
2. Benchmark PIER (1997) was used to survey this sheet
3. Limits of Navy Base shown thus: ----------

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: Robert Hodgson, Hydrographic Crew
Plotted by: Kim Hodgson, J.G. Gorabdian, S.W. Kelley
Asst. Chief, Survey Section
Chief, Survey Section
Date: 4/9/2007
Rev.
Design file:
Drawing code: 2610
File name: PISV102.S02
Plot date: 04/9/07
Plot scale: 1" = 200'

PORTSMOUTH HARBOR AND PISCATAQUA RIVER
MAINE AND NEW HAMPSHIRE
CONDITION SURVEY
35-FOOT CHANNEL AND TURNING BASINS

Reference number:
V-2
Sheet 2 of 6

Scanned Recorded Apr. 2007

MAINE

KITTERY

PISCATAQUA RIVER

PORTSMOUTH

NEW HAMPSHIRE

MATCH LINE SHEET 4 OF 6

MATCH LINE SHEET 2 OF 6

BY-PASS

LIFT BRIDGE
HOR CL 200 FT
VERT CL 10 FT (CLOSED)
VERT CL 135 FT (OPEN)

CABLE AREA

700'

725'

600'

U.S. 1

E 92000

N 92000

N 90000

E 342000

E 344000

E 346000

NEW HAMPSHIRE STATE PORT AUTHORITY, MARINE TERMINAL WHARF

NOBLES ISLAND

NORTH MILL POND

BM-9

BM-PIER

BADGER ISLAND MARINE SERVIVE INC.

RN-14

US ROUTE 1

BADGERS ISLAND

SQUASH ISLAND

SEAVEY ISLAND

BOUNDARY OF NAVAL BASE

PORTSMOUTH NAVAL SHIPYARD

GRANITE STATE MINERALS, PORTSMOUTH DOCK

OVHD PWR CABLE AUTH CL 150 FT

PORTSMOUTH HARBOR CRUISES DOCK

MORAN TOWING, PORTSMOUTH WHARF

MEMORIAL BRIDGE
LIFT BRIDGE
HOR CL 260 FT
VERT CL 19 FT (CLOSED)
VERT CL 150 FT (OPEN)

FLOOD

EBB

GC-13

GW-SBS

FI GC-11

35-FOOT CHANNEL

NEW HAMPSHIRE STATE PORT AUTHORITY, COMMERCIAL FISHING PIER

FOUR TREE ISLAND

PIERCES ISLAND

SEWER

PLAN
SCALE: 1" = 200'

NOTES:
1. For General Notes see sheet 1 of 6
2. Benchmarks Pier (1997) and No. 9 (1975) were used to survey this sheet
3. Limits of Navy Base shown thus: ----------

GRAPHIC SCALE:
200 0 200 400
1" - 200'

SAFETY PAYS

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.

Date 4/9/2007
Design file

Surveyed by: Eastern Hydrographic Crew
Plotted By: D.M. Garabedian / S.W. Kelley

Drawing code: 2650
File name: n0503.dgn
Plot date: 04/09/07
Plot scale: 1" = 200'

Chief, Survey Section
Asst. Chief, Survey Section
Other Survey Section

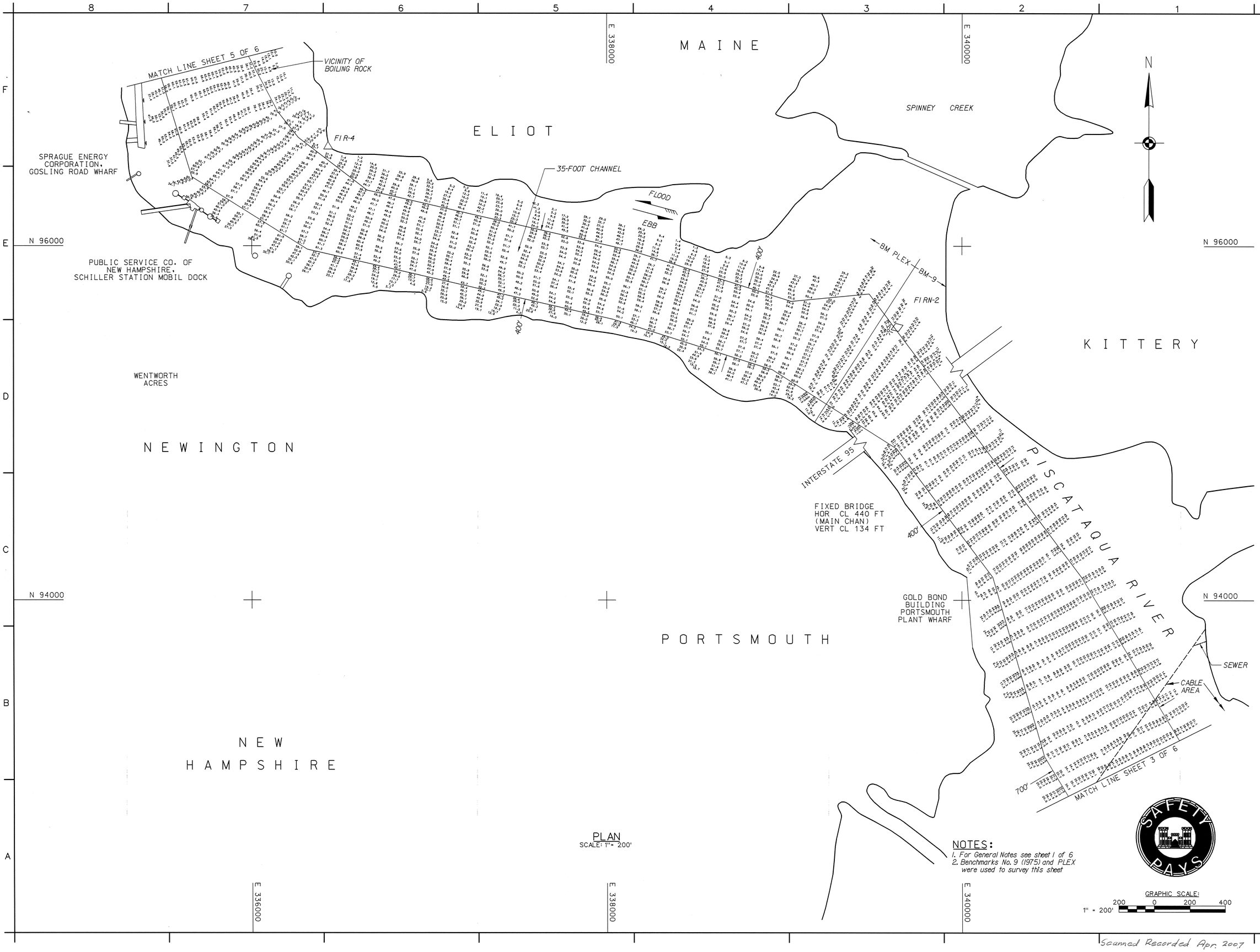
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

PORTSMOUTH HARBOR AND PISCATAQUA RIVER
MAINE AND NEW HAMPSHIRE
CONDITION SURVEY

35-FOOT CHANNEL AND TURNING BASINS

Reference number:
V-3
Sheet 3 of 6

Scanned Recorded Apr. 2007



PLAN
SCALE: 1" = 200'

NOTES:
1. For General Notes see sheet 1 of 6
2. Benchmarks No. 9 (1975) and PLEX were used to survey this sheet

GRAPHIC SCALE:
1" = 200'
200 0 200 400

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

Surveyed By: Robert MacGovern, Hydrographic Crew
Plotted By: V.J. Gardebedian / S.W. Kelley
Asst. Chief, Survey Section
Chief, Survey Section
Date: 4/9/2007
Rev.
Design file:
Drawing code: 2610
File name: PISV104-S04
Plot date: 04/9/07
Plot scale: 1" = 200'

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

PORTSMOUTH HARBOR AND PISCATAQUA RIVER
MAINE AND NEW HAMPSHIRE
CONDITION SURVEY
35-FOOT CHANNEL AND TURNING BASINS

Reference number:
V-4
Sheet 4 of 6

Scanned Recorded Apr. 2007

PLAN
SCALE: 1" = 200'

NOTES:
1. For General Notes see sheet 1 of 6
2. Benchmark PLEX was used to survey this sheet

GRAPHIC SCALE:
1" = 200'
200 0 200 400

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

Surveyed By: Robert MacGovern, Hydrographic Crew
Plotted By: V.A. Gardbedian / S.W. Kelley
Date: 4/9/2007
Design file:
Drawing code: 2610
File name: PISV105.S05
Plot date: 04/9/07
Plot scale: 1" = 200'
Asst. Chief, Survey Section
Chief, Survey Section

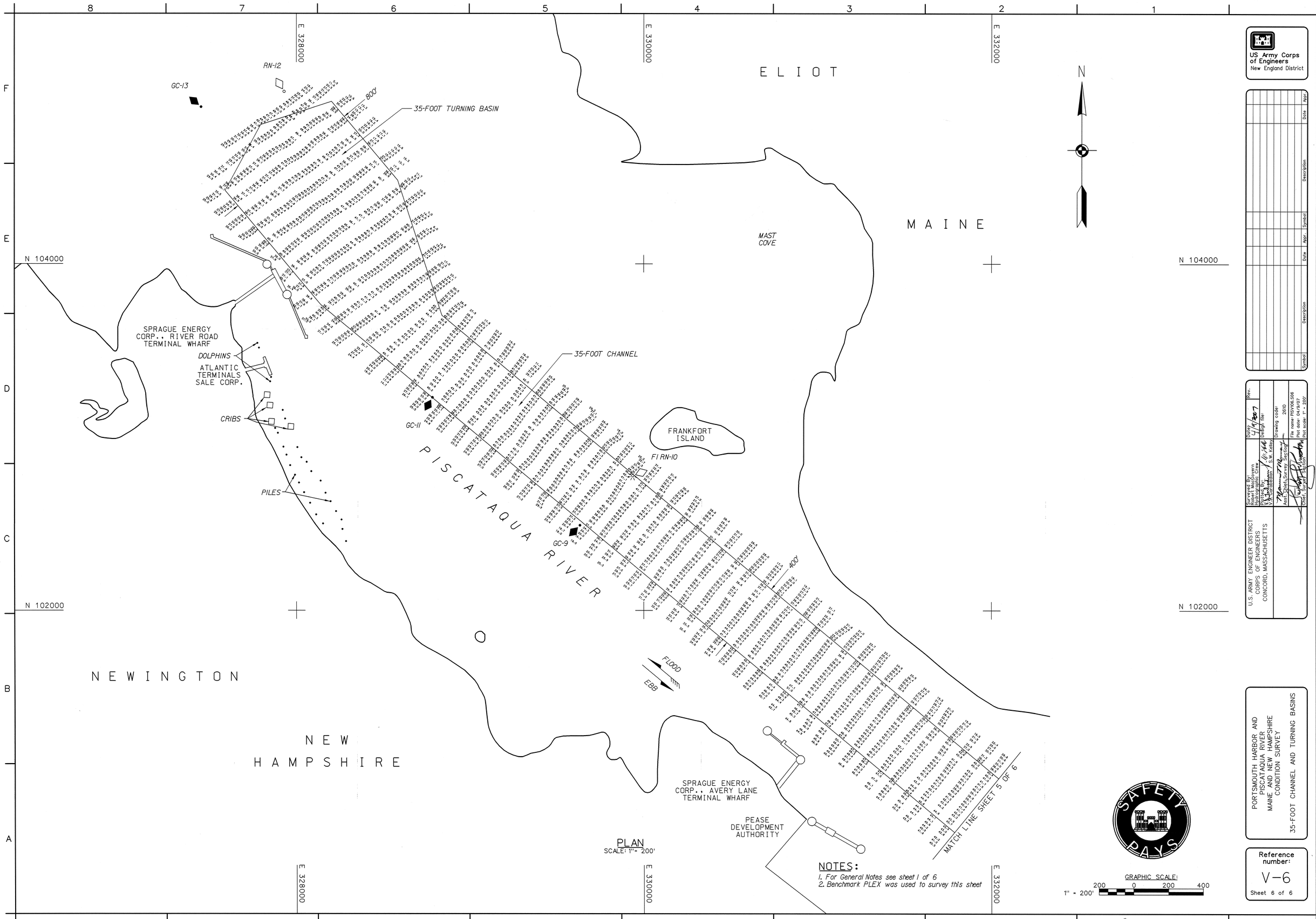
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

PORTSMOUTH HARBOR AND
PISCATAQUA RIVER
MAINE AND NEW HAMPSHIRE
CONDITION SURVEY

35-FOOT CHANNEL AND TURNING BASINS

Reference number:
V-5
Sheet 5 of 6

Scanned Recorded Apr 2007



PLAN
SCALE: 1" = 200'

NOTES:
1. For General Notes see sheet 1 of 6
2. Benchmark PLEX was used to survey this sheet

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: Robert MacGovern, Hydrographic Crew
Plotted By: V.J. Cardedon, S.W. Kelley
Asst. Chief, Survey Section
Chief, Survey Section
Date: 4/9/2007
Rev.
Design file:
Drawing code: 2610
File name: PISV106.S06
Plot date: 04/9/07
Plot scale: 1" = 200'

PORTSMOUTH HARBOR AND PISCATAQUA RIVER
MAINE AND NEW HAMPSHIRE
CONDITION SURVEY
35-FOOT CHANNEL AND TURNING BASINS

Reference number:
V-6
Sheet 6 of 6

Scanned Recorded Apr. 2007