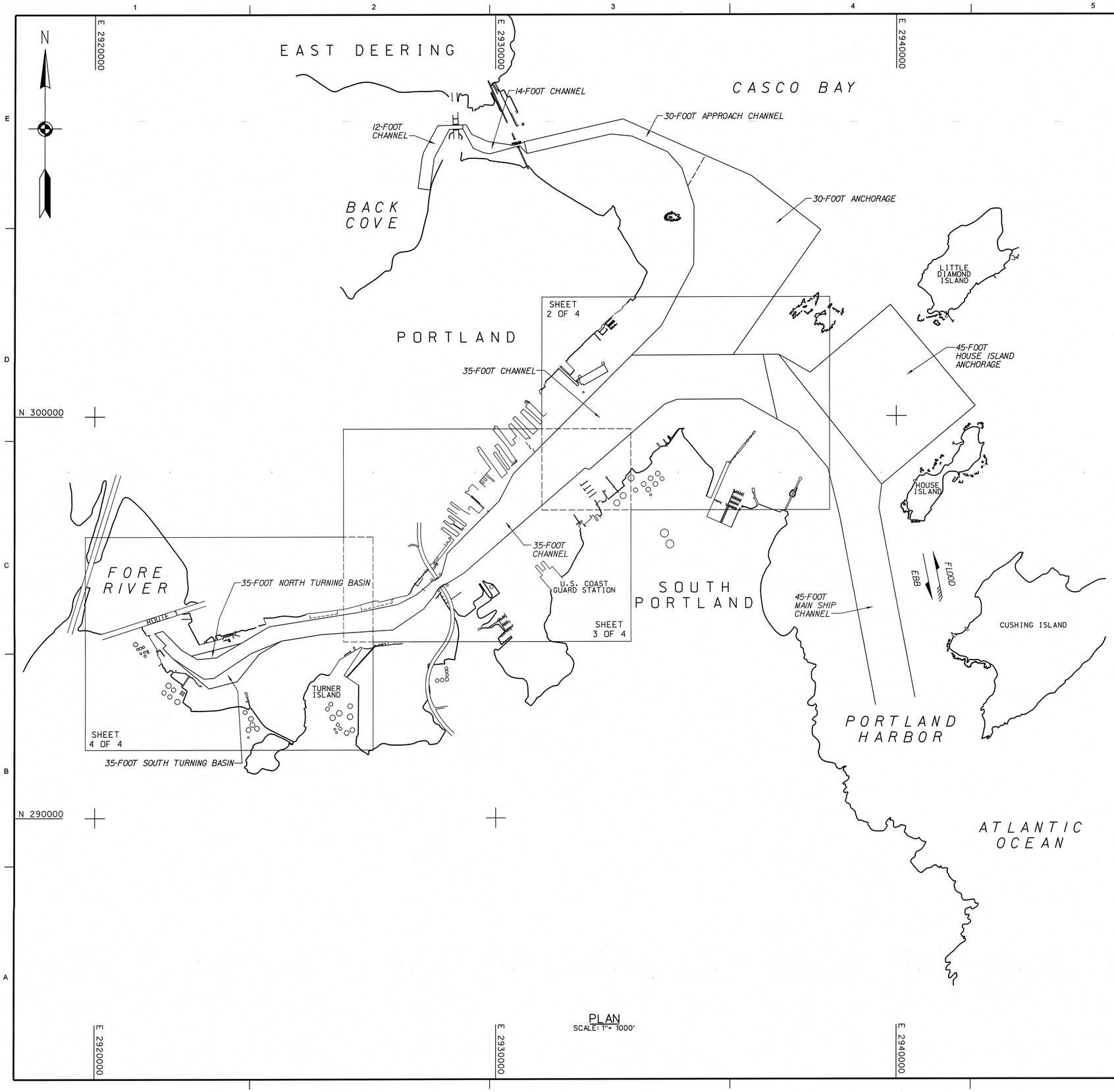
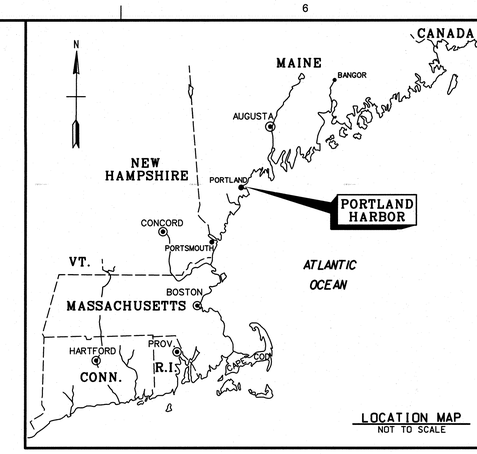


PLAN
SCALE: 1" = 1000'



LOCATION MAP
NOT TO SCALE

US Army Corps of Engineers®
New England District

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
Fl G-3	3/24/14	N 300398.94 E 2936277.17	43° - 39′ - 27.0"N 70° - 13′ - 44.1"W
Fl G-5	3/24/14	N 300332.87 E 2934518.62	43° - 39′ - 26.3"N 70° - 14′ - 08.0"W
Fl G-1	3/19/14	N 297118.53 E 2930653.50	43° - 38′ - 54.6"N 70° - 15′ - 00.5"W
Fl R-2	3/19/14	N 296995.90 E 2930476.79	43° - 38′ - 53.3"N 70° - 15′ - 02.9"W
Fl G-1	3/17/14	N 294625.20 E 2926551.55	43° - 38′ - 29.9"N 70° - 15′ - 56.3"W
GC-3	3/17/14	N 294542.14 E 2925649.31	43° - 38′ - 29.1"N 70° - 16′ - 08.6"W
Fl G-5	3/17/14	N 294402.38 E 2924621.15	43° - 38′ - 27.7"N 70° - 16′ - 22.5"W
Fl R-6	3/17/14	N 294141.23 E 2922302.31	43° - 38′ - 25.1"N 70° - 16′ - 54.1"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. Soundings noted with a (-) are above the reference plane of MLLW.
2. Topography shown is from previous surveys and/or NOAA Chart No. 13292. 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. A Hypack KTD file was created from MLLW to NAVD88; corrections established or published in the vicinity of NOAA Bench Marks at Portland, Casco Bay (Station ID 8418150, 10/30/2003), and Fore River, Portland, Maine (Station ID 8418268, 5/20/2004). The corrections are 5.25 ft. for Portland, Casco Bay, and 5.63 ft. for Fore River.
NAVD88 is above MLLW, therefore corrections should be added to NAVD88 to convert to MLLW.
No tide gauges were used on this project.
Mean range of tide is 9.1 feet.
4. Coordinates shown are based on the Transverse Mercator Grid System for the State of Maine (West Zone 1802) and NAD 1983.
5. Survey was performed using an R2Sonic 2024 multibeam echosounder system with a 300 kHz transducer. Horizontal positioning and real-time tides were obtained utilizing a Leica 1200 RTK GPS System.
An RTK Base Station was set up on Station Mooring (2013).
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted March 2014.
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 4171
35-Foot depth contour shown thus:
Surveyed by: Robert MacGovern and crew
Refer to Survey No. 14-1307

SAFETY PAYS

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

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

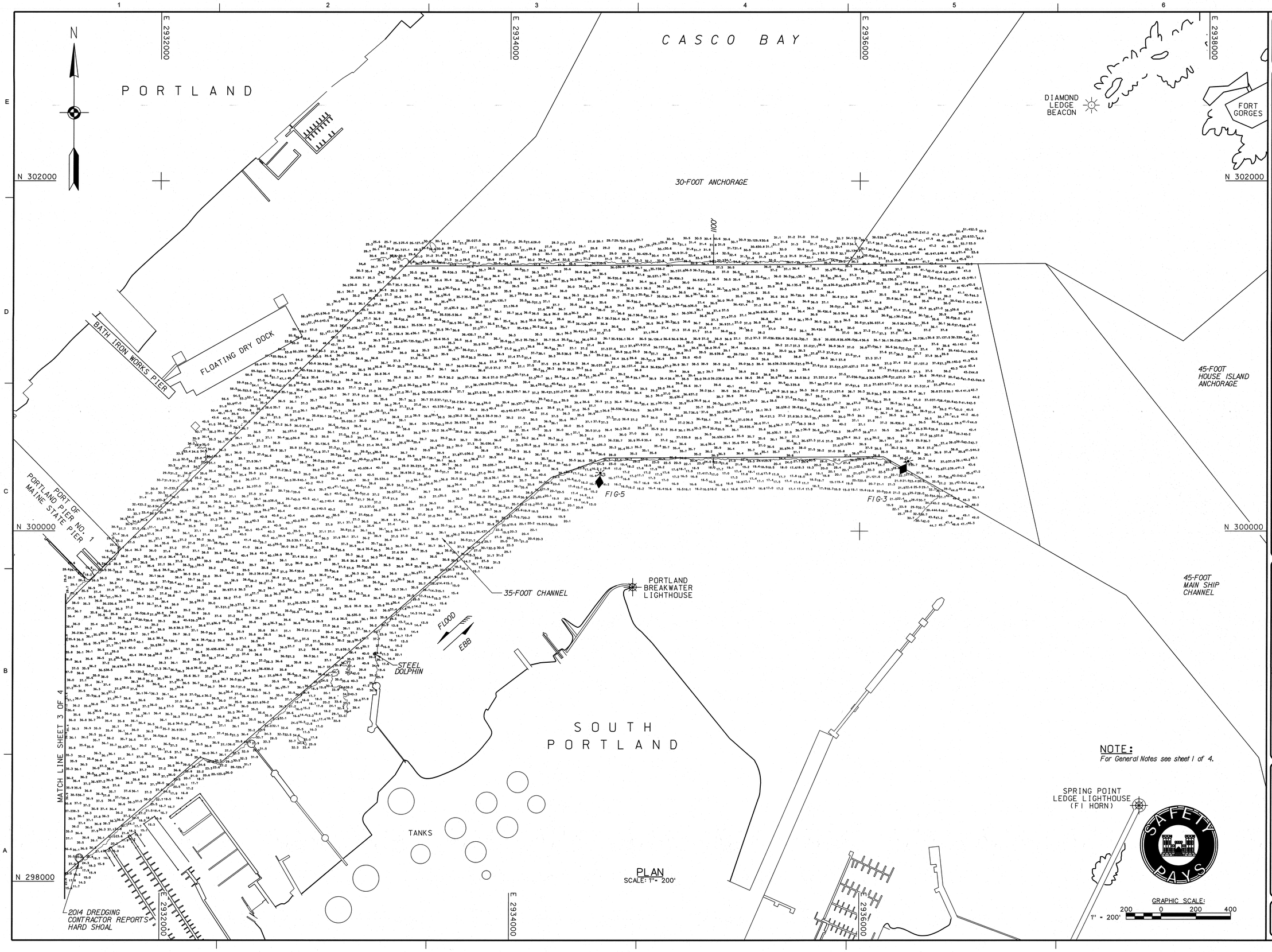
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Paul Gilbert, Chief, Survey Section
SUBMITTED BY: Jeffrey R. Ray, Chief, Survey Section
DATE: 4/16/2014
DWN BY: ABB
CKD BY: JWP
DESIGN FILE: PORBHR13.DGN
DRAWING CODE: PORA2142
PLOT SCALE: 1" = 1000'
PLOT DATE: 4/16/2014
FILE NAME: PORA2142V101.dgn
SIZE: ANSI F
FILE NAME: PORB2142V101.dgn

PORTLAND HARBOR
PORTLAND, MAINE
AFTER DREDGE SURVEY

35-FOOT CHANNEL AND TURNING BASINS

SHEET IDENTIFICATION
V-101
SHEET 1 OF 4



NOTE:
For General Notes see sheet 1 of 4.

PLAN
SCALE: 1" = 200'

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

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New England District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
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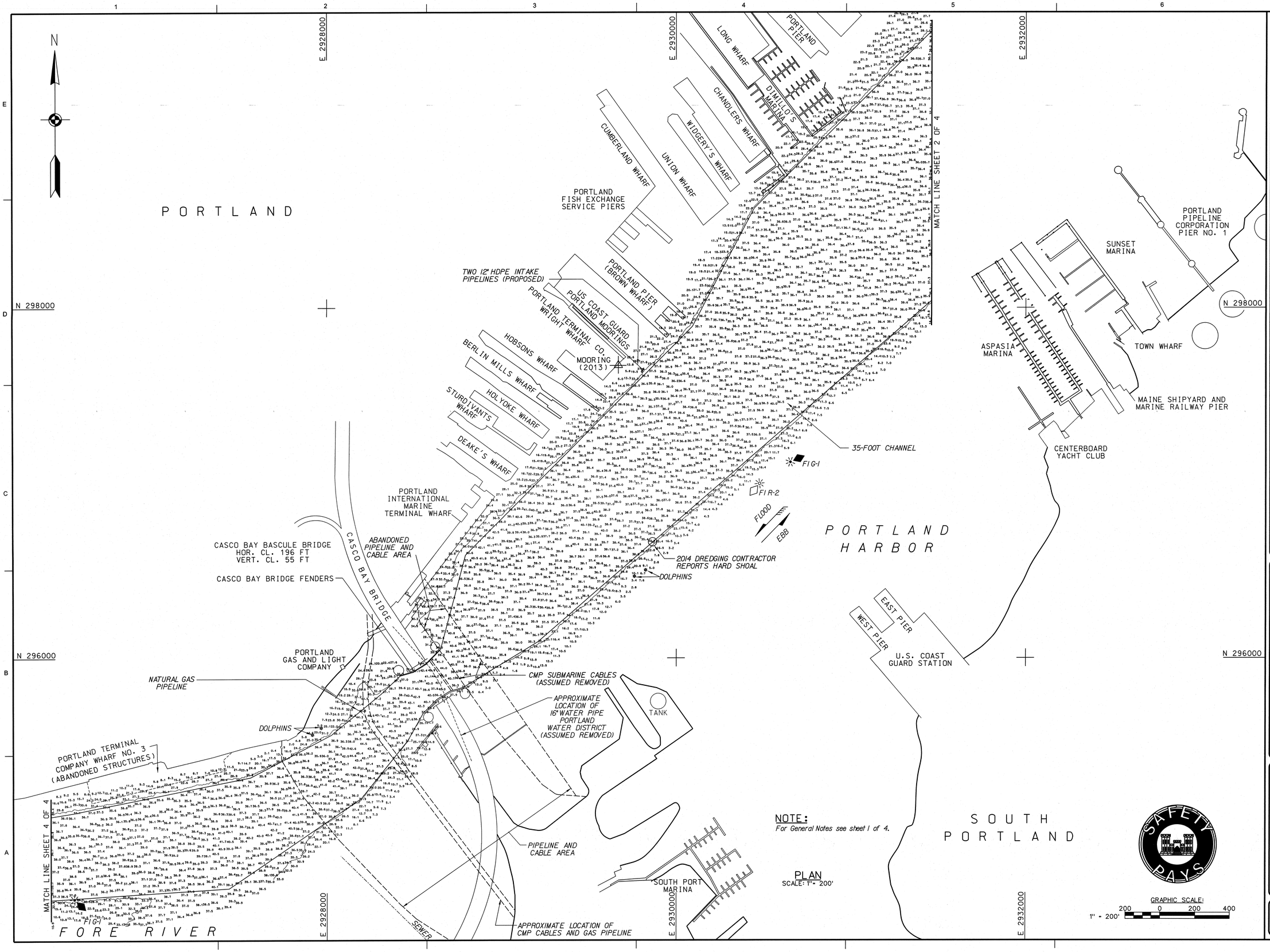
REVIEWED BY: Deborah Porter
Asst. Chief, Survey Section
SUBMITTED BY: Nancy Morton
Chief, Survey Section
PLOT SCALE: 1" = 200'
PLOT DATE: 04/16/14
SIZE: ANSI F
FILE NAME: POR2742V-102.dgn
DATE: 4/16/2014
DWN BY: AEB
CKD BY: JWP
DESIGN FILE: PORRSP3.DGN
DRAWING CODE: POR-2742

PORTLAND HARBOR
PORTLAND, MAINE
AFTER DREDGE SURVEY

35-FOOT CHANNEL AND TURNING BASINS

SHEET IDENTIFICATION
V-102
SHEET 2 OF 4



NOTE:
For General Notes see sheet 1 of 4.

PLAN
SCALE: 1" = 200'

US Army Corps of Engineers
New England District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

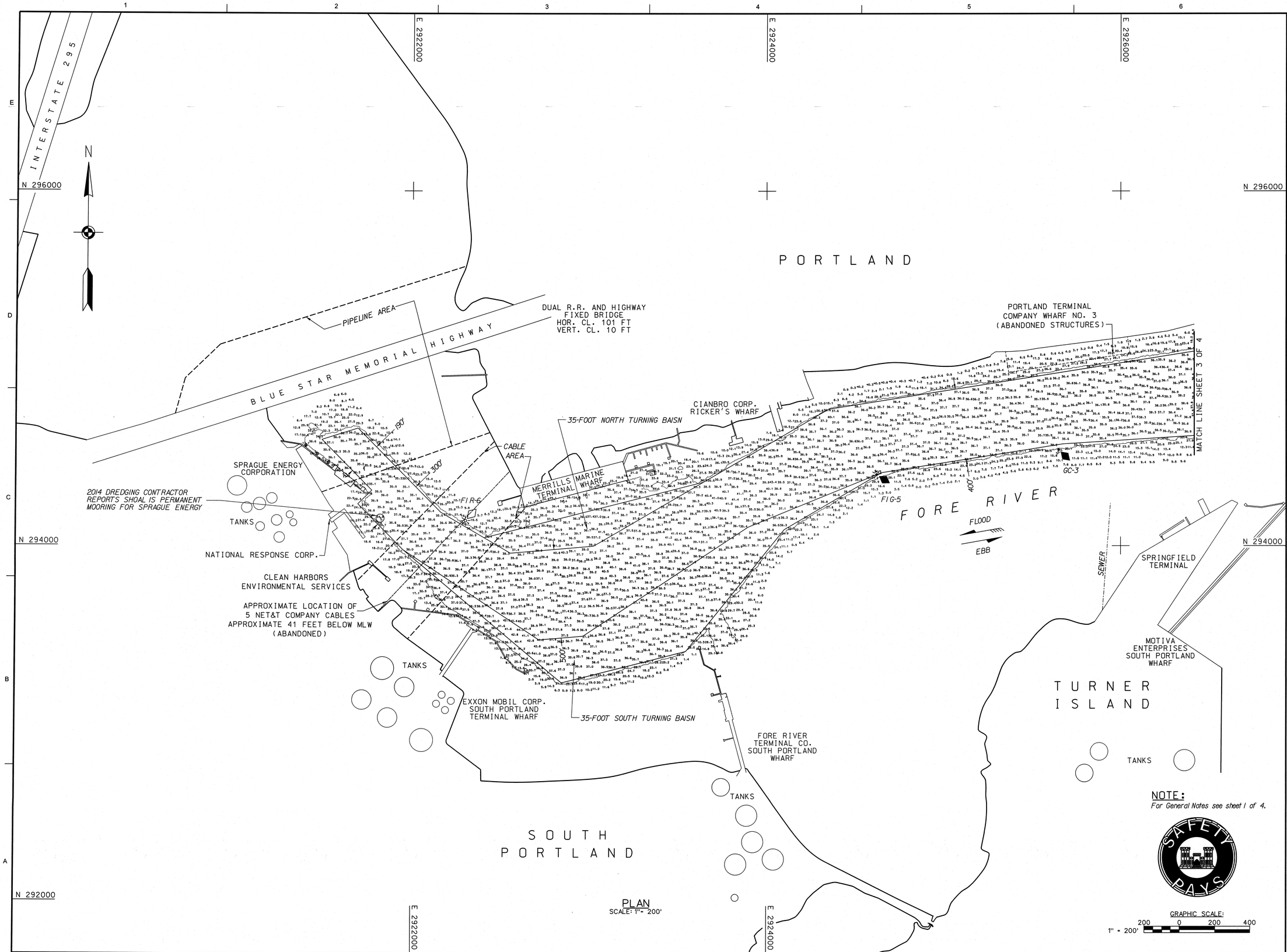
U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

REVIEWED BY: Alan Cole, Chief, Survey Section
DATE: 7/16/2014
DWN BY: AEB
CKD BY: JAP
SUBMITTED BY: Jeffrey A. Pontes, Chief, Planning Division
DESIGNED BY: N/A
DRAWING CODE: PORI2742C
PLOT SCALE: 1=200'
PLOT DATE: 7/16/2014
SIZE: ANSI F
FILE NAME: PORI2742C-103.dgn

PORTLAND HARBOR
PORTLAND, MAINE
AFTER DREDGE SURVEY

35-FOOT CHANNEL AND TURNING BASINS

SHEET IDENTIFICATION
V-103
SHEET 3 OF 4



PLAN
SCALE: 1" = 200'

NOTE:
For General Notes see sheet 1 of 4.

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR.

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS
www.nae.usace.army.mil

DATE: 1/6/2019
CKD BY: JWP
DWN BY: AEB
DESIGN BY: DESIGN TEAM
DRAWING CODE: PORA-212
PLOT DATE: 1/7/2019
PLOT SCALE: 1=200'
FILE NAME: PORE2420V104.dgn
SIZE: ANSI F
REVIEWED BY: Rob Dolf, Safety Section
SUBMITTED BY: Jeffrey P. Wilcox, Chief, Engineering Division

PORTLAND HARBOR
PORTLAND, MAINE
AFTER DREDGE SURVEY

35-FOOT CHANNEL AND TURNING BASINS

SHEET IDENTIFICATION
V-104
SHEET 4 OF 4