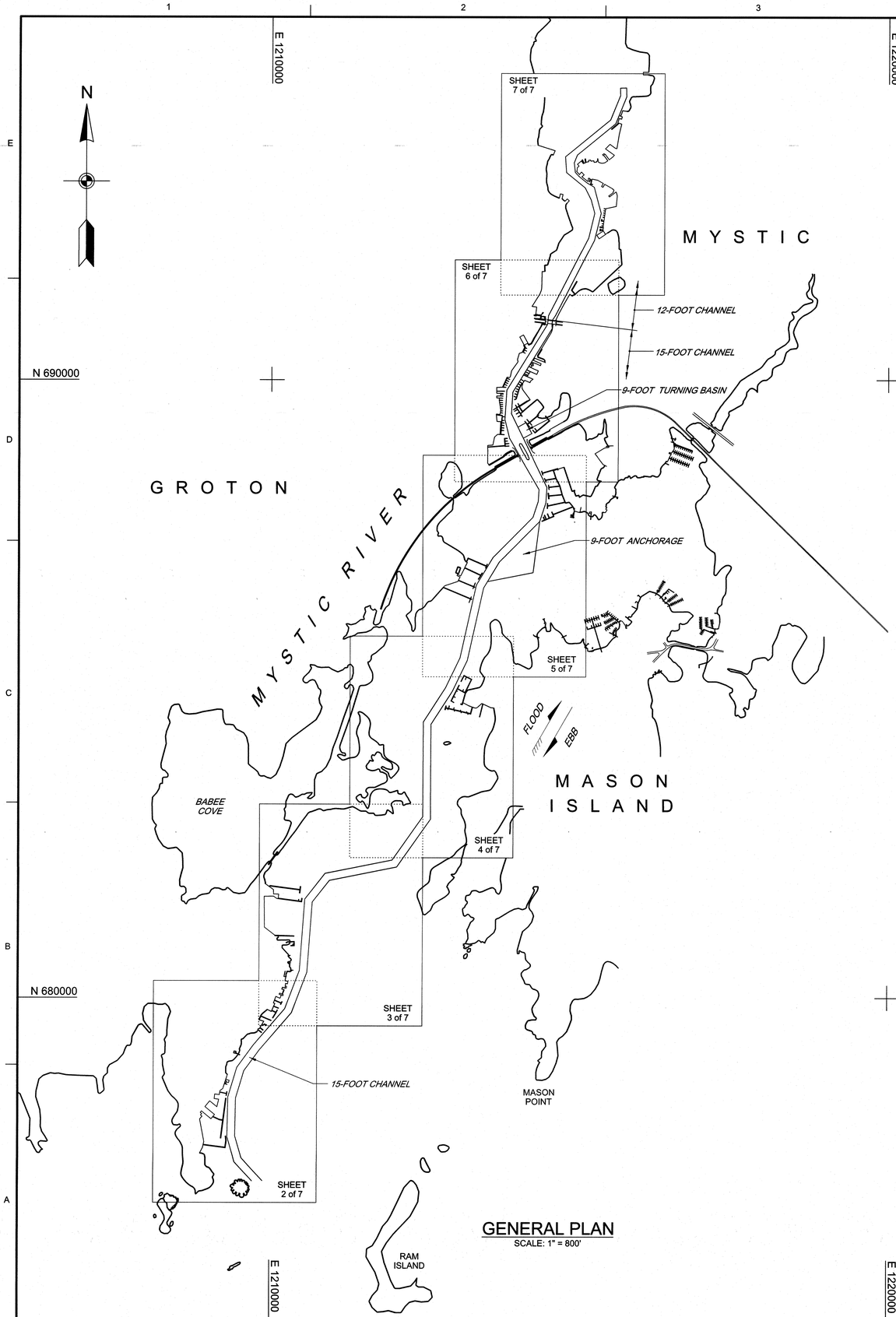
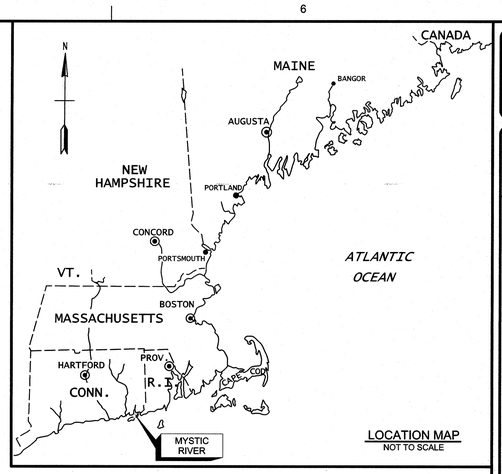


GENERAL PLAN

SCALE: 1" = 800'

INDEX OF NAVIGATION AIDS

NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-6	1/30/15	N 677268.60 E 1209924.15	41°-19'-02.3"N 71°-59'-08.9"W
RN-8	1/30/15	N 677570.28 E 1209562.79	41°-19'-05.3"N 71°-59'-13.6"W
RN-10	1/30/15	N 677892.27 E 1209474.29	41°-19'-08.5"N 71°-59'-14.7"W
RN-12	1/30/15	N 678326.96 E 1209516.04	41°-19'-12.8"N 71°-59'-14.1"W
RN-14	1/30/15	N 678772.83 E 1209596.62	41°-19'-17.2"N 71°-59'-13.0"W
RN-16	1/30/15	N 680192.76 E 1210563.16	41°-19'-31.1"N 71°-59'-00.2"W
RN-18	1/30/15	N 681356.38 E 1210740.90	41°-19'-42.6"N 71°-58'-57.7"W
GC-19	1/30/15	N 681821.83 E 1210702.17	41°-19'-47.2"N 71°-58'-58.2"W
RN-20	1/30/15	N 681813.52 E 1210978.33	41°-19'-47.1"N 71°-58'-54.5"W
GC-21	1/30/15	N 682238.11 E 1211923.58	41°-19'-51.2"N 71°-58'-42.1"W
RN-22	1/30/15	N 682040.93 E 1211969.76	41°-19'-49.3"N 71°-58'-41.5"W
GC-23	1/28/15	N 682951.66 E 1212396.64	41°-19'-58.2"N 71°-58'-35.8"W
RN-24	1/28/15	N 683007.17 E 1212632.26	41°-19'-58.8"N 71°-58'-32.7"W
RN-26	1/28/15	N 683917.21 E 1212597.21	41°-20'-07.8"N 71°-58'-33.1"W
GC-27	1/28/15	N 684643.82 E 1212615.65	41°-20'-14.9"N 71°-58'-32.8"W
GC-29	1/28/15	N 685605.24 E 1213059.31	41°-20'-24.4"N 71°-58'-26.8"W
RN-30	1/28/15	N 686540.84 E 1213608.75	41°-20'-33.6"N 71°-58'-19.5"W
GC-31	1/28/15	N 687135.65 E 1213615.85	41°-20'-39.5"N 71°-58'-19.4"W
GC-37	1/20/15	N 691520.31 E 1214668.83	41°-21'-22.7"N 71°-58'-05.0"W
RN-38	1/20/15	N 692029.14 E 1215096.31	41°-21'-27.7"N 71°-57'-59.4"W
GC-39	1/20/15	N 692394.23 E 1215144.85	41°-21'-31.3"N 71°-57'-58.7"W
GC-41	1/20/15	N 692720.19 E 1215193.05	41°-21'-34.5"N 71°-57'-58.0"W
GC-43	1/20/15	N 692975.63 E 1215108.74	41°-21'-37.0"N 71°-57'-59.1"W
GC-45	1/20/15	N 693210.80 E 1214899.63	41°-21'-39.4"N 71°-58'-01.8"W
GC-47	1/20/15	N 693453.28 E 1214744.13	41°-21'-41.8"N 71°-58'-03.8"W
GC-49	1/20/15	N 693761.56 E 1214931.26	41°-21'-44.8"N 71°-58'-01.3"W
GC-51	1/20/15	N 694282.74 E 1215467.08	41°-21'-49.9"N 71°-57'-54.2"W
GC-53	1/20/15	N 694681.68 E 1215613.57	41°-21'-53.8"N 71°-57'-52.3"W



LOCATION MAP
NOT TO SCALE

GENERAL NOTES:

1. Soundings are in feet and tenths. The reference plane is Mean Lower Low Water (MLLW) and is based on the 1983-2001 Tidal Epoch. Soundings noted with a (+) are above the reference plane of MLLW. Soundings without a sign are below the reference plane of MLLW, and should be considered negative.
2. Topography shown is from previous surveys, aerial imagery and/or NOAA Chart No. 13214. 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. The MLLW to NAVD88 correction for this project is 1.80 feet. The correction is referenced from NOAA's V-Datum Model in the vicinity of Mystic River, Connecticut. NAVD88 is above MLLW; therefore the correction should be added to NAVD88 to convert to MLLW. No tide gauges were used on this project. Average range of tide is 2.6 feet.
4. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600), NAD 1983 and are based on U.S. Survey Feet.
5. Survey was performed using a R2 Sonic 2024 Multibeam Sonar System operating at 300 kHz. Horizontal positioning and real time tide readings were recorded utilizing a Leica 1200 RTK GPS System. The RTK base station used was Station MRM (2013).
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during January 2015.
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 conditions existing at that time.
9. Field Book: R&H 5029

9-Foot depth contour shown thus:
12-Foot depth contour shown thus:
15-Foot depth contour shown thus:

Surveyed by: Robert MacGovern and crew
Refer to Survey No. 15-1349

GRAPHIC SCALE:

800' 0 800' 1600'
1" = 800'

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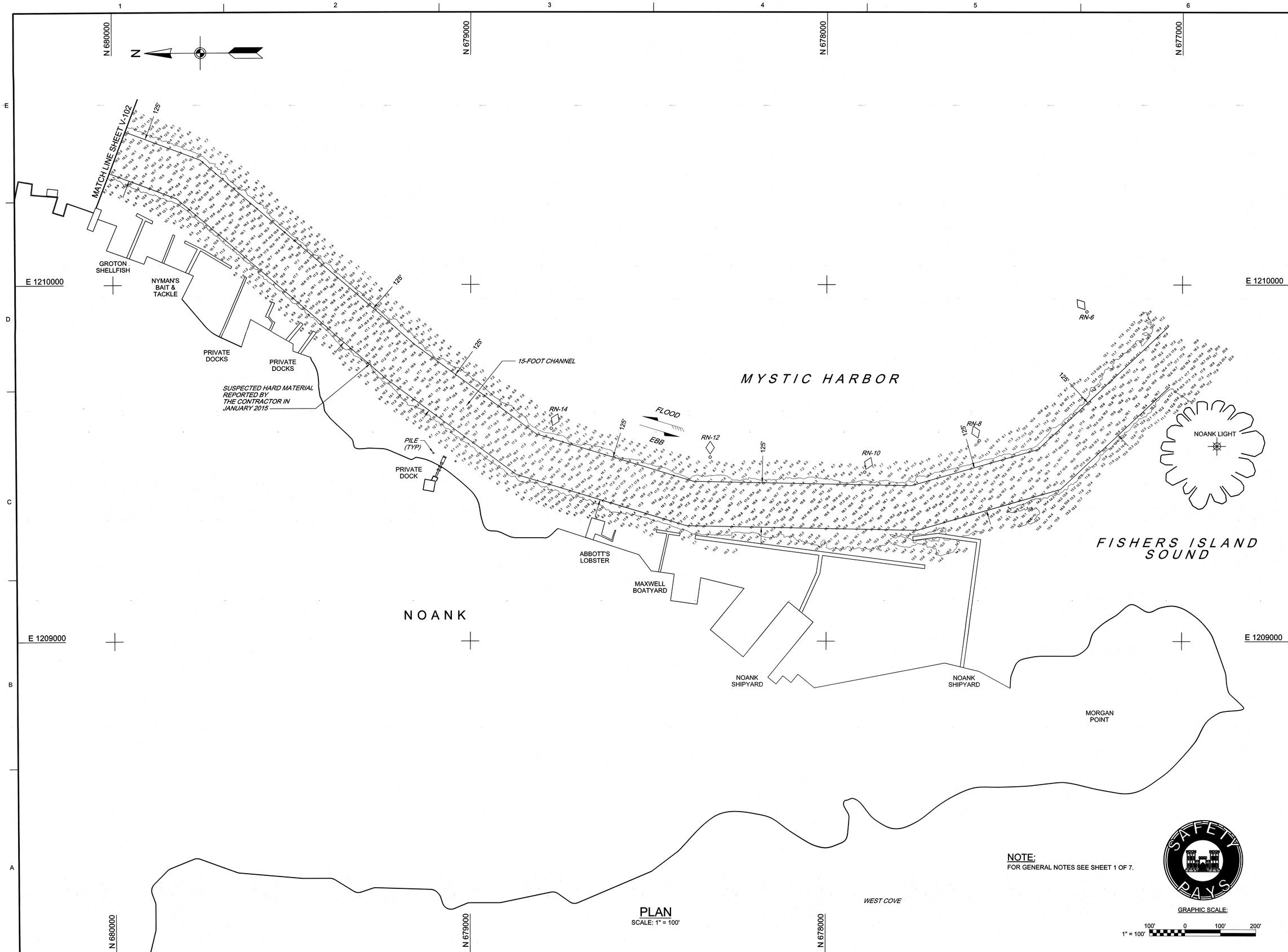
REVIEWED BY: Jeffrey Paulsen
Rsdt Chief, Survey Section
SUBMITTED BY: Jeffrey Paulsen
Chief, Survey Section

DATE: 3/6/2015
DWN BY: MRK
CKD BY: JPP
DESIGN FILE: MYC-411_V-HP_MA5.dgn
DRAWING CODE: HYDRO1
PLOT SCALE: 1:1
PLOT DATE: 1/20/2015
SIZE: ANSI F
FILE NAME: MYC-411_G-001.dgn

MYSTIC RIVER
MYSTIC, CONNECTICUT
AFTER DREDGE SURVEY

12 AND 15-FOOT CHANNELS
9-FOOT ANCHORAGE AND TURNING BASIN

SHEET IDENTIFICATION
G-001
SHEET 1 OF 7



NOTE:
FOR GENERAL NOTES SEE SHEET 1 OF 7.

PLAN
SCALE: 1" = 100'

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

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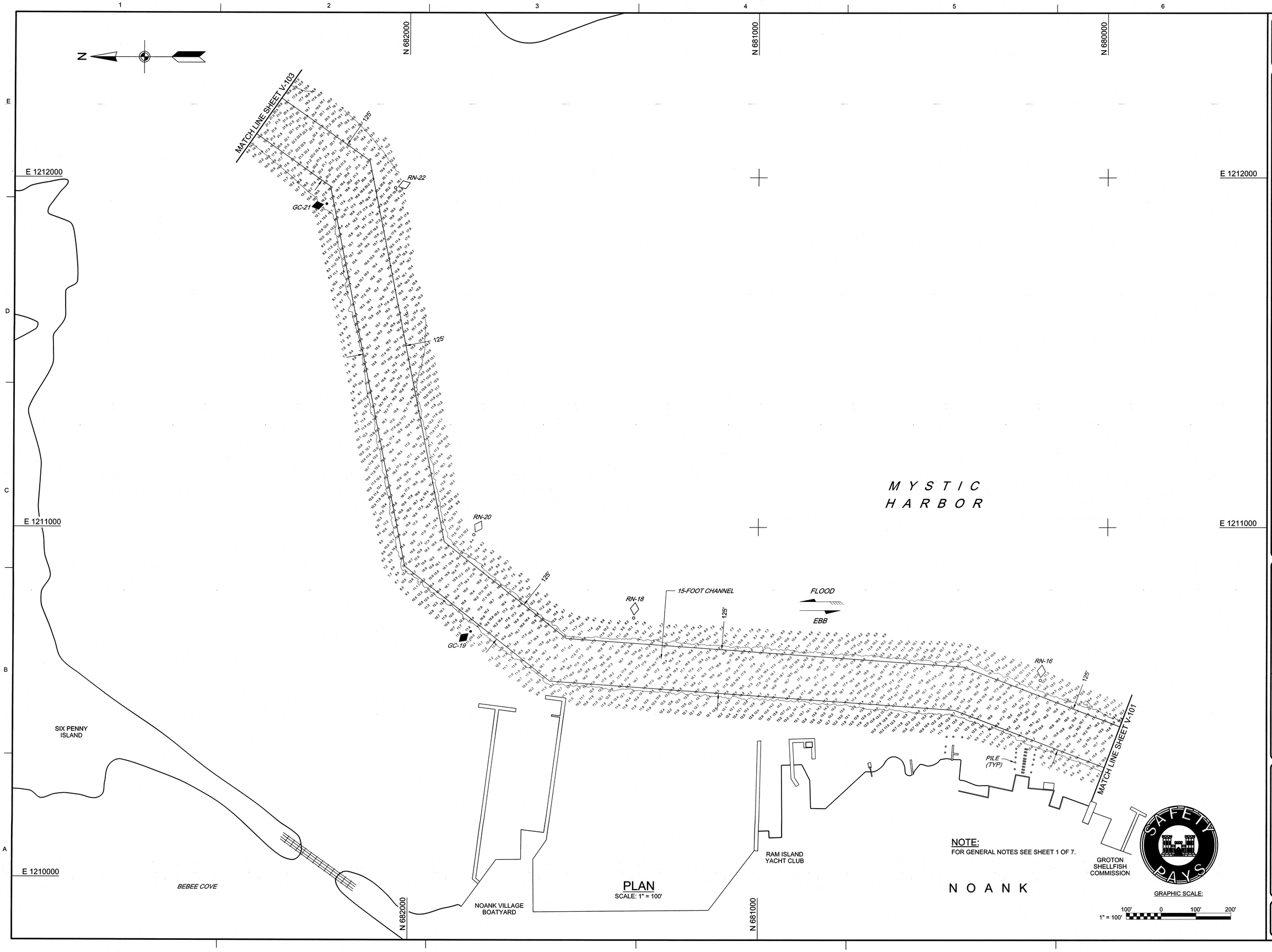
REVIEWED BY: Anthony Preston, Asst. Chief, Survey Section
SUBMITTED BY: Anthony Preston, Chief, Survey Section
PLOT SCALE: 1:1
PLOT DATE: 3/06/2015
SIZE: ANSI F
FILE NAME: MYC-411_V-101.dgn
DATE: 3/6/2015
DWN BY: SWK
CKD BY: TWP
DESIGN FILE: MYC-411_V-HP_MAS.dgn
DRAWING CODE: MYC-411

MYSTIC RIVER
MYSTIC, CONNECTICUT
AFTER DREDGE SURVEY

12 AND 15-FOOT CHANNELS
9-FOOT ANCHORAGE AND TURNING BASIN

SHEET IDENTIFICATION
V-101
SHEET 2 OF 7



PLAN
SCALE: 1" = 100'

NOTE:
FOR GENERAL NOTES SEE SHEET 1 OF 7.

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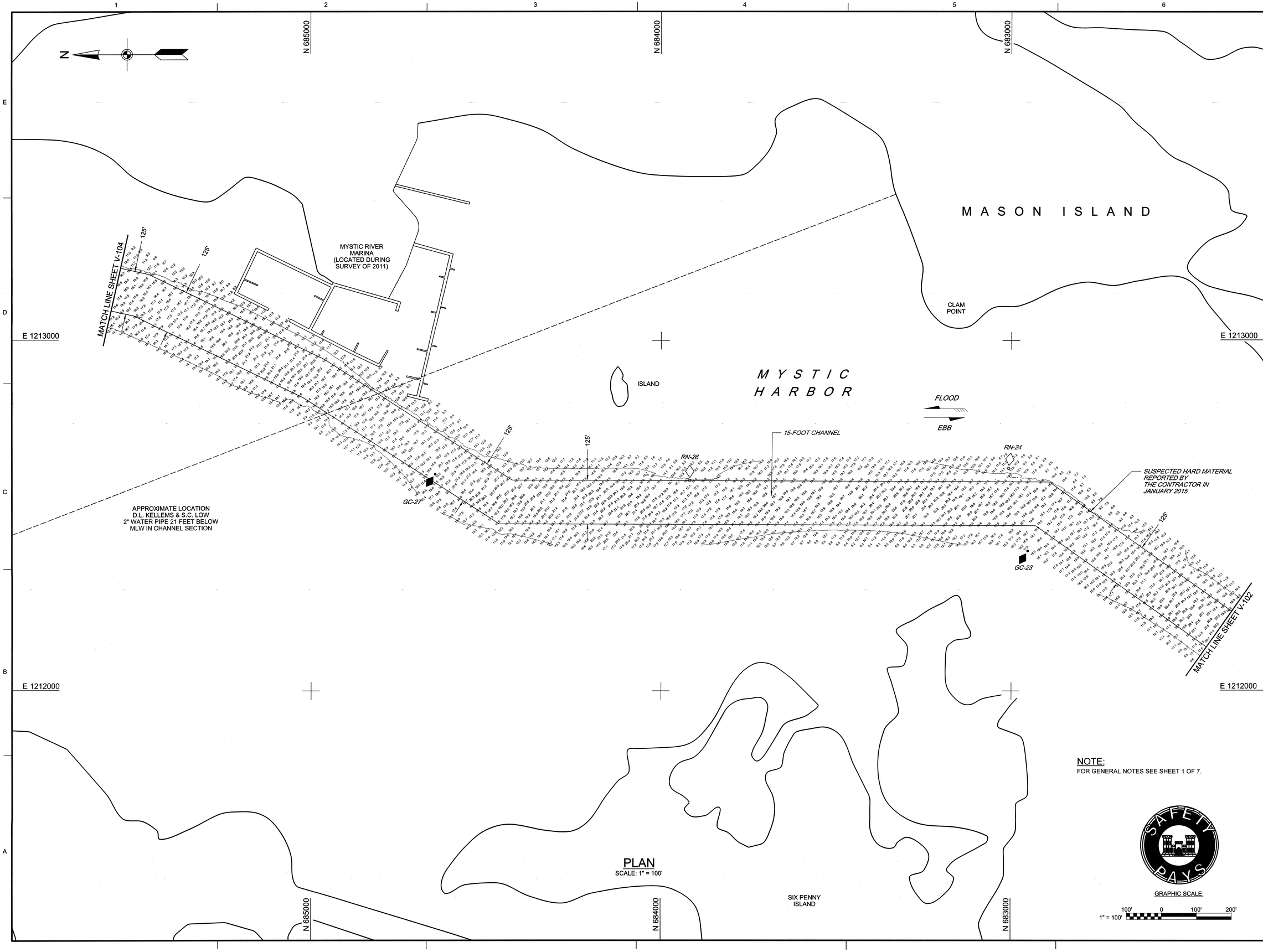
REVIEWED BY: Anthony Preston, Chief, Survey Section
DATE: 3/6/2015
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: MYC-411_V-HP_MAS.dgn
PLOT SCALE: 1:1
PLOT DATE: 3/06/2015
DRAWING CODE: MYC-411
SIZE: ANSI F
FILE NAME: MYC-411_V-102.dgn

MYSTIC RIVER
MYSTIC, CONNECTICUT
AFTER DREDGE SURVEY

12 AND 15-FOOT CHANNELS
9-FOOT ANCHORAGE AND TURNING BASIN

SHEET IDENTIFICATION
V-102
SHEET 3 OF 7



PLAN
SCALE: 1" = 100'

NOTE:
FOR GENERAL NOTES SEE SHEET 1 OF 7.

SAFETY PAYS

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

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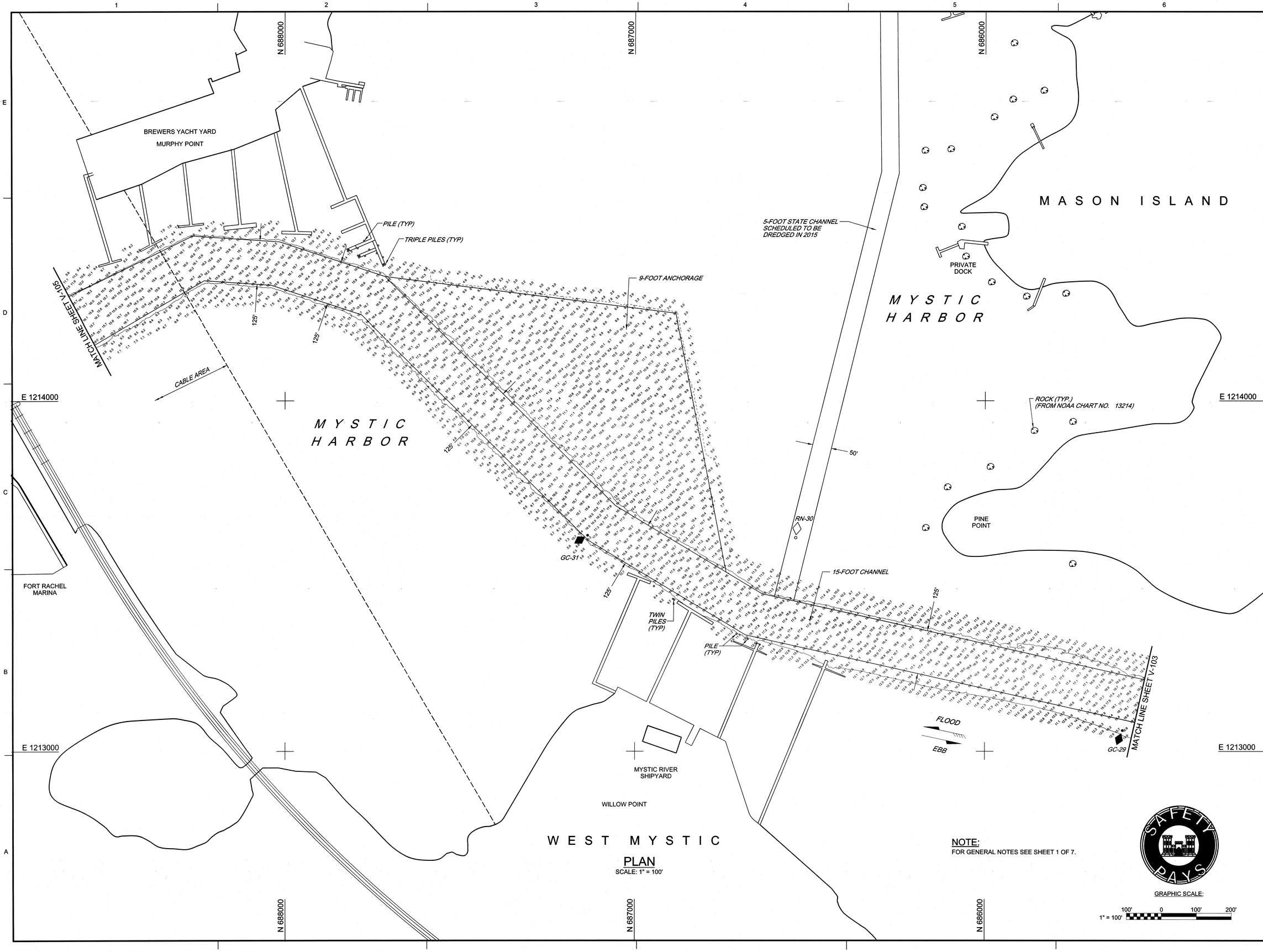
REVIEWED BY: Anthony Paulson, Asst. Chief, Survey Section
SUBMITTED BY: Anthony Paulson, Chief, Survey Section
PLOT SCALE: 1:1
PLOT DATE: 3/06/2015
SIZE: ANSI F
FILE NAME: MYC-411_V-103.dgn
DATE: 3/6/2015
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: MYC-411_V-HP_MAS.dgn
DRAWING CODE: MYC-411

MYSTIC RIVER
MYSTIC, CONNECTICUT
AFTER DREDGE SURVEY

12 AND 15-FOOT CHANNELS
9-FOOT ANCHORAGE AND TURNING BASIN

SHEET IDENTIFICATION
V-103
SHEET 4 OF 7



PLAN
SCALE: 1" = 100'

NOTE:
FOR GENERAL NOTES SEE SHEET 1 OF 7.

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

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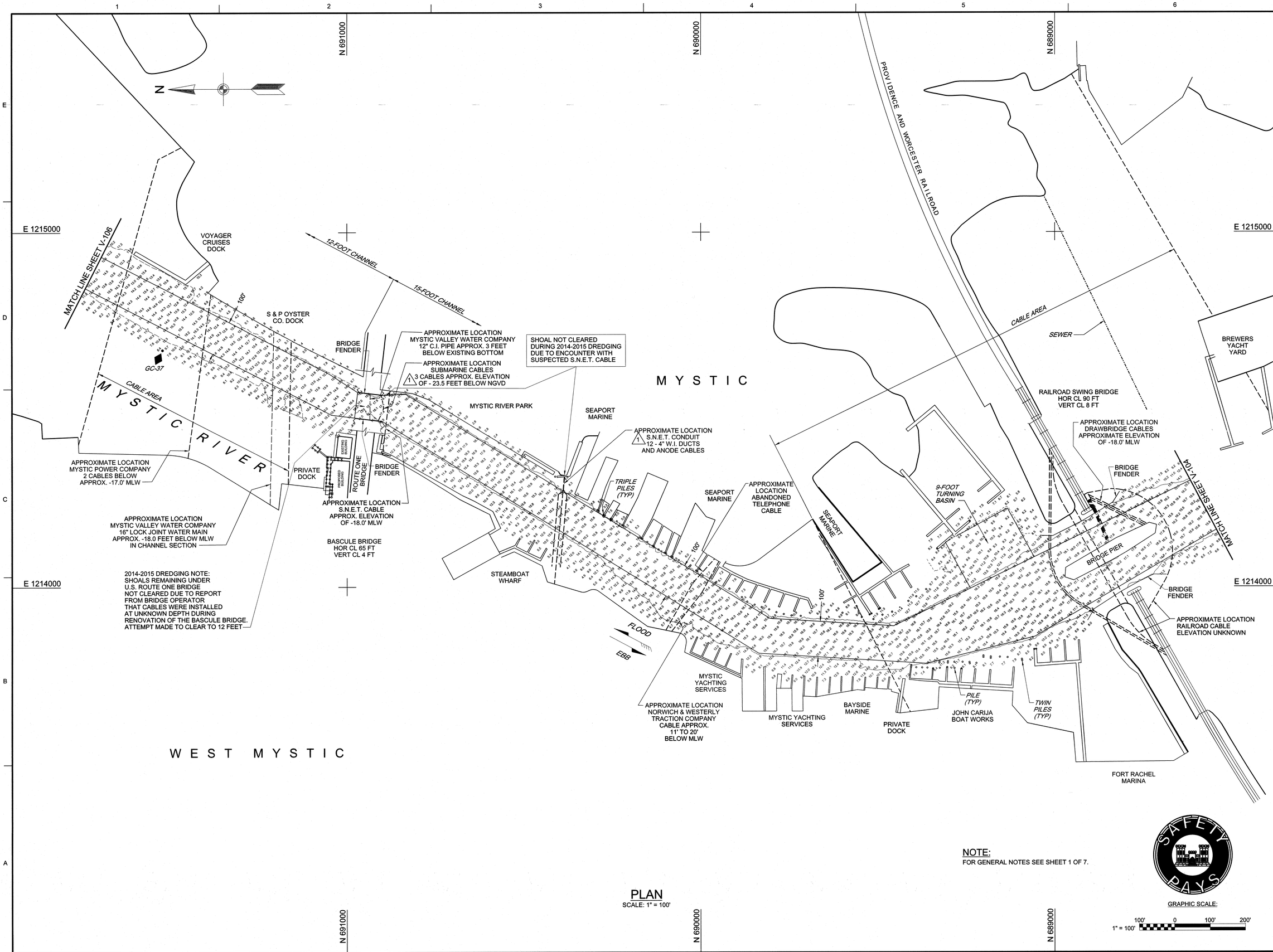
REVIEWED BY: Andrew Pardon, Asst. Chief, Survey Section
SUBMITTED BY: Andrew Pardon, Chief, Survey Section
PLOT SCALE: 1:1
PLOT DATE: 3/06/2015
SIZE: ANSI F
FILE NAME: MYC-411_V-104.dgn
DATE: 3/6/2015
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: MYC-411_V-HP_MAS.dgn
DRAWING CODE: MYC-411

MYSTIC RIVER
MYSTIC, CONNECTICUT
AFTER DREDGE SURVEY

12 AND 15-FOOT CHANNELS
9-FOOT ANCHORAGE AND TURNING BASIN

SHEET IDENTIFICATION
V-104
SHEET 5 OF 7



NOTE:
FOR GENERAL NOTES SEE SHEET 1 OF 7.

PLAN
SCALE: 1" = 100'

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

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MARK	DESCRIPTION	DATE	APPR.
1	UTILITIES LINES AND NOTES ADDED / REVISED - THIS INFORMATION WAS RECEIVED	4/08/2015	JHP
	AFTER 2015 DREDGING COMPLETED		

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NEW ENGLAND DISTRICT
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REVIEWED BY: JEFFREY W. PRESTON /S/ Asst. Chief, Survey Section
SUBMITTED BY: JEFFREY W. PRESTON /S/ for Chief, Survey Section
PLOT SCALE: 1:1
PLOT DATE: 3/06/2015
SIZE: ANSI F
FILE NAME: MYC-411_V-105.dgn
DATE: 3/06/2015
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: MYC-411_V-HP_MAS.dgn
DRAWING CODE: MYC-411

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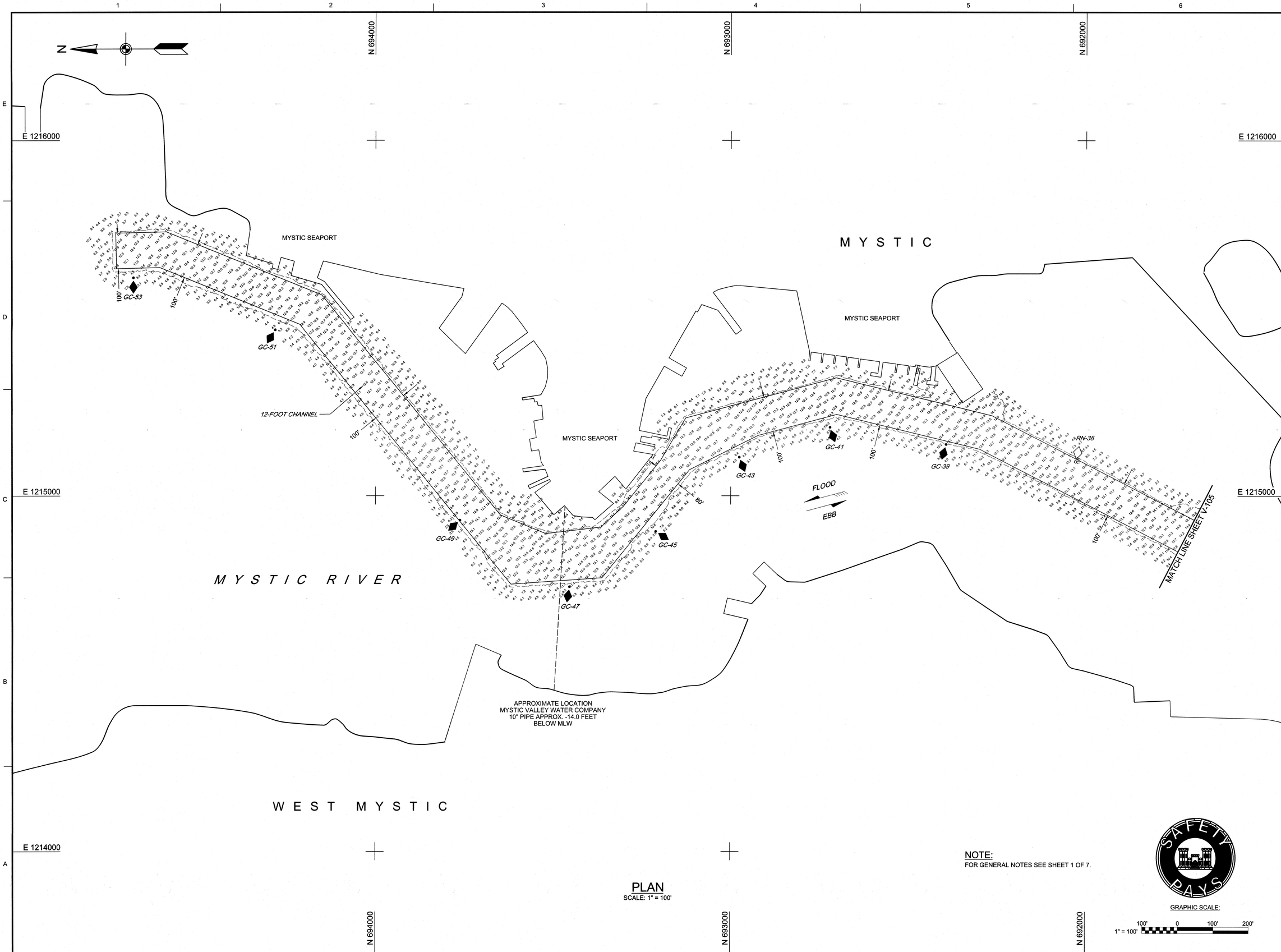
SHEET IDENTIFICATION
V-105
SHEET 6 OF 7



NOTE:
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PLAN
SCALE: 1" = 100'

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REVIEWED BY: Jeffrey Preston, Asst. Chief, Survey Section
SUBMITTED BY: Jeffrey Preston, Chief, Survey Section
PLOT SCALE: 1:1
PLOT DATE: 3/06/2015
SIZE: ANSI F
FILE NAME: MYC-411_V-106.dgn
DATE: 3/6/2015
DWN BY: SWK
CKD BY: JWP
DESIGN FILE: MYC-411_V-HP_MAS.dgn
DRAWING CODE: MYC-411

MYSTIC RIVER
MYSTIC, CONNECTICUT
AFTER DREDGE SURVEY

12 AND 15-FOOT CHANNELS
9-FOOT ANCHORAGE AND TURNING BASIN

SHEET IDENTIFICATION
V-106
SHEET 7 OF 7