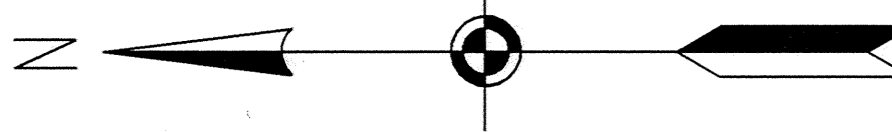


Date	Description	Symbol

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CONCORD, MASSACHUSETTS	Surveyed By: R. MacGowan Plotted By: A. J. ... V.L. Labadie	Date: 3/19/2006 Design file: Drawing code: File name: HOU/NOI/501 Plot date: 2/19/2006 Plot scale: 1"=5,000'
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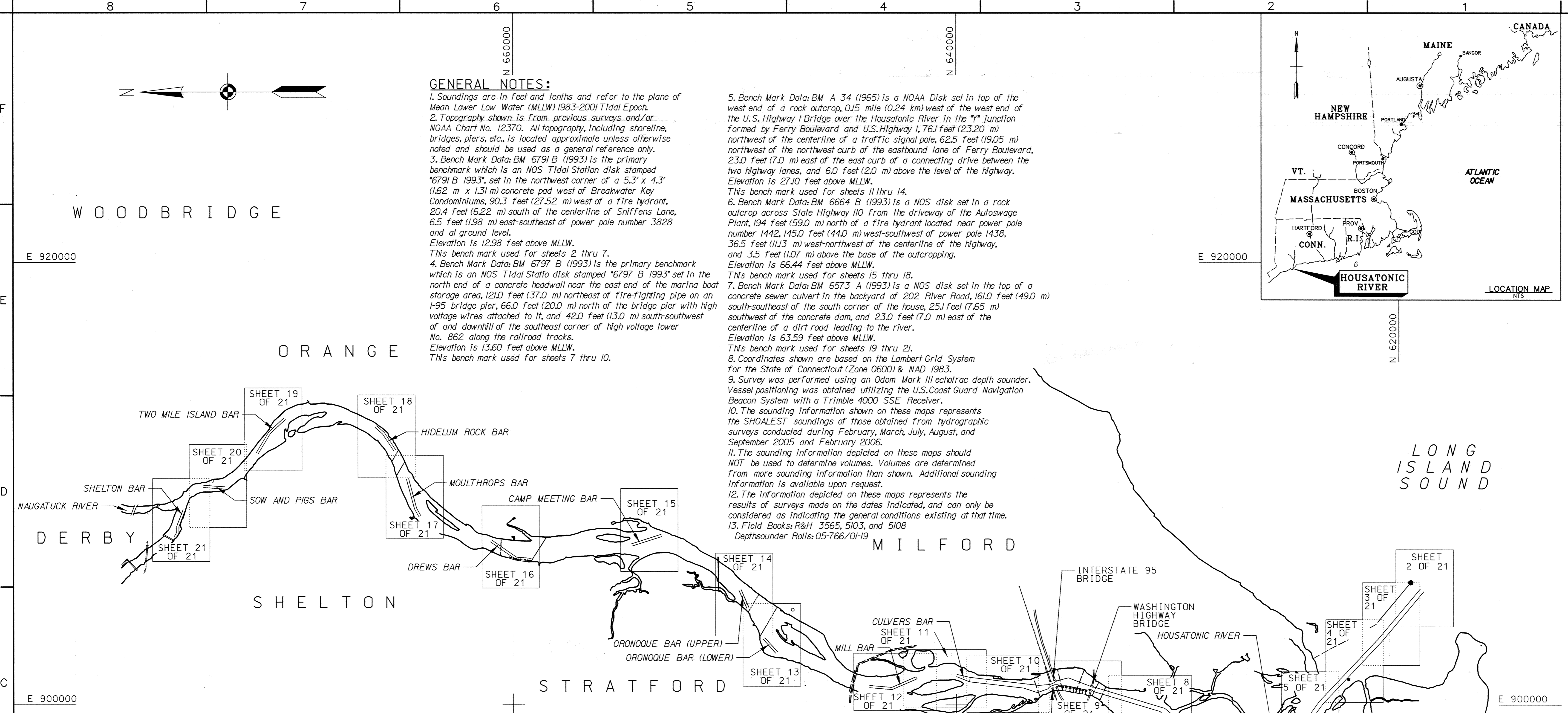
HOUSATONIC RIVER
STRATFORD, MILFORD, SHELTON,
ORANGE, AND DERBY, CONNECTICUT
CONDITION SURVEY

Reference number:
V-1
Sheet 1 of 21



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. 12370. 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 6791 B (1993) is the primary benchmark which is an NOS Tidal Station disk stamped "6791 B 1993", set in the northwest corner of a 5.3' x 4.3' (1.62 m x 1.31 m) concrete pad west of Breakwater Key Condominiums, 90.3 feet (27.52 m) west of a fire hydrant, 20.4 feet (6.22 m) south of the centerline of Sniffens Lane, 6.5 feet (1.98 m) east-southeast of power pole number 3828 and at ground level.
This bench mark used for sheets 2 thru 7.
4. Bench Mark Data: BM 6797 B (1993) is the primary benchmark which is an NOS Tidal Station disk stamped "6797 B 1993" set in the north end of a concrete headwall near the east end of the marina boat storage area, 121.0 feet (37.0 m) northeast of fire-fighting pipe on an I-95 bridge pier, 66.0 feet (20.0 m) north of the bridge pier with high voltage wires attached to it, and 42.0 feet (13.0 m) south-southwest of and downhill of the southeast corner of high voltage tower No. 862 along the railroad tracks.
Elevation is 13.60 feet above MLLW.
This bench mark used for sheets 7 thru 10.

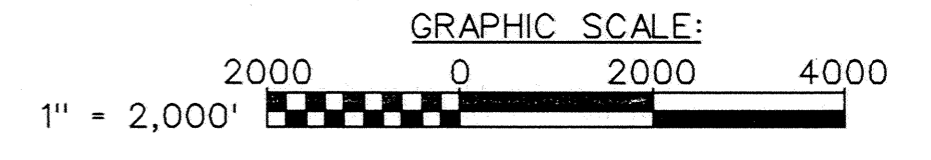
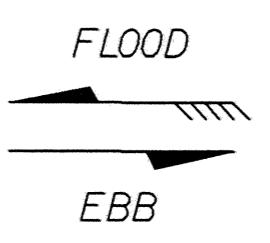
5. Bench Mark Data: BM A 34 (1965) is a NOAA Disk set in top of the west end of a rock outcrop, 0.15 mile (0.24 km) west of the west end of the U.S. Highway 1 Bridge over the Housatonic River in the "Y" junction formed by Ferry Boulevard and U.S. Highway 1, 76.1 feet (23.20 m) northwest of the centerline of a traffic signal pole, 62.5 feet (19.05 m) northwest of the northwest curb of the eastbound lane of Ferry Boulevard, 23.0 feet (7.0 m) east of the east curb of a connecting drive between the two highway lanes, and 6.0 feet (2.0 m) above the level of the highway.
Elevation is 27.10 feet above MLLW.
This bench mark used for sheets 11 thru 14.
6. Bench Mark Data: BM 6664 B (1993) is a NOS disk set in a rock outcrop across State Highway 110 from the driveway of the Autoswage Plant, 194 feet (59.0 m) north of a fire hydrant located near power pole number 1442, 145.0 feet (44.0 m) west-southwest of power pole 1438, 36.5 feet (11.13 m) west-northwest of the centerline of the highway, and 3.5 feet (1.07 m) above the base of the outcropping.
Elevation is 66.44 feet above MLLW.
This bench mark used for sheets 15 thru 18.
7. Bench Mark Data: BM 6573 A (1993) is a NOS disk set in the top of a concrete sewer culvert in the backyard of 202 River Road, 161.0 feet (49.0 m) south-southeast of the south corner of the house, 25.1 feet (7.65 m) southwest of the concrete dam, and 23.0 feet (7.0 m) east of the centerline of a dirt road leading to the river.
Elevation is 63.59 feet above MLLW.
This bench mark used for sheets 19 thru 21.
8. Coordinates shown are based on the Lambert Grid System for the State of Connecticut (Zone 0600) & NAD 1983.
9. Survey was performed using an Odom Mark III echotrac depth sounder. Vessel positioning was obtained utilizing the U.S. Coast Guard Navigation Beacon System with a Trimble 4000 SSE Receiver.
10. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during February, March, July, August, and September 2005 and February 2006.
11. 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.
12. 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.
13. Field Books: R&H 3565, 5103, and 5108
Depthsounder Rolls: 05-766/01-19

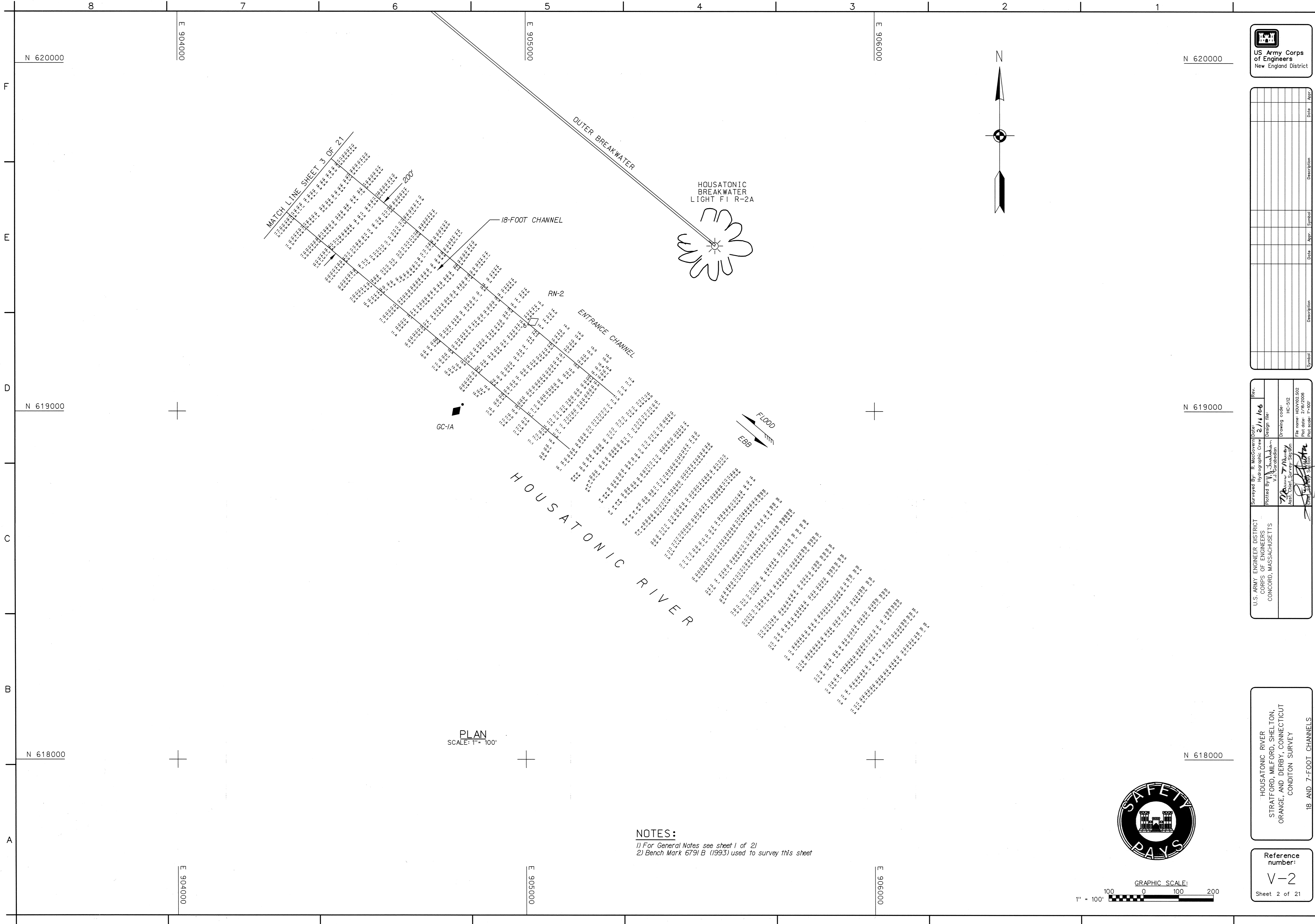


NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-1A	3/03/2005	N 619019.41 E 904819.28	41° - 09' - 34.1"N 73° - 05' - 44.3"W
RN-2	3/03/2005	N 619244.01 E 904998.41	41° - 09' - 36.3"N 73° - 05' - 42.0"W
FI G-3	3/03/2005	N 620367.27 E 903391.71	41° - 09' - 47.3"N 73° - 06' - 03.1"W
RN-4	3/03/2005	N 620874.22 E 902983.02	41° - 09' - 52.3"N 73° - 06' - 08.4"W
RN-8	3/03/2005	N 622527.23 E 901306.40	41° - 10' - 08.6"N 73° - 06' - 30.5"W
GC-9	3/03/2005	N 623503.74 E 900044.63	41° - 10' - 18.2"N 73° - 06' - 47.0"W
RN-10	3/03/2005	N 623658.22 E 900146.87	41° - 10' - 19.7"N 73° - 06' - 45.7"W
RN-12	3/03/2005	N 625360.13 E 897792.50	41° - 10' - 36.4"N 73° - 07' - 16.6"W
RN-14	3/03/2005	N 625951.75 E 897381.09	41° - 10' - 42.3"N 73° - 07' - 22.0"W
RN-16	3/03/2005	N 627502.48 E 897381.17	41° - 10' - 57.6"N 73° - 07' - 22.1"W
RN-18	3/03/2005	N 629050.73 E 897755.55	41° - 11' - 12.9"N 73° - 07' - 17.2"W
GC-19	3/03/2005	N 629969.39 E 898387.77	41° - 11' - 22.0"N 73° - 07' - 09.0"W
GC-21	3/03/2005	N 630232.42 E 899377.41	41° - 11' - 24.6"N 73° - 06' - 56.1"W
GC-23	3/03/2005	N 630760.26 E 899684.59	41° - 11' - 29.9"N 73° - 06' - 52.1"W
RN-24	3/03/2005	N 634872.87 E 901243.66	41° - 12' - 10.6"N 73° - 06' - 31.9"W
RN-26	3/03/2005	N 636536.24 E 901014.29	41° - 12' - 27.0"N 73° - 06' - 35.0"W
GC-27	3/03/2005	N 636959.88 E 900834.06	41° - 12' - 31.2"N 73° - 06' - 37.4"W

NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-29	8/10/2005	N 639161.86 E 901160.92	41° - 12' - 53.0"N 73° - 06' - 33.3"W
GC-31	8/10/2005	N 640055.35 E 901406.39	41° - 13' - 01.8"N 73° - 06' - 30.1"W
RN-32	8/10/2005	N 641235.95 E 901182.87	41° - 13' - 13.4"N 73° - 06' - 33.1"W
RN-34	8/10/2005	N 641823.86 E 900813.53	41° - 13' - 19.2"N 73° - 06' - 38.0"W
RN-36	8/10/2005	N 643157.08 E 900819.39	41° - 13' - 32.4"N 73° - 06' - 37.9"W
GC-37	8/10/2005	N 643676.50 E 900745.34	41° - 13' - 37.5"N 73° - 06' - 38.9"W
RN-40	8/10/2005	N 647995.84 E 902536.89	41° - 14' - 20.3"N 73° - 06' - 15.7"W
RN-44	8/10/2005	N 649362.37 E 904653.38	41° - 14' - 33.9"N 73° - 05' - 48.1"W
GC-53	8/10/2005	N 653213.15 E 907666.38	41° - 15' - 12.0"N 73° - 05' - 08.9"W
RN-54	8/10/2005	N 654090.54 E 907477.55	41° - 15' - 20.7"N 73° - 05' - 11.4"W
GC-62	8/10/2005	N 659876.90 E 906809.89	41° - 16' - 17.8"N 73° - 05' - 20.4"W
RN-68	8/10/2005	N 663643.85 E 908373.53	41° - 16' - 55.1"N 73° - 05' - 00.1"W
FI R-2A		N 619475.04 E 905543.14	41° - 09' - 38.6"N 73° - 05' - 34.9"W
FI G-7		N 622285.56 E 901148.68	41° - 10' - 06.2"N 73° - 06' - 32.5"W
FI G-11		N 624900.95 E 897886.72	41° - 10' - 31.9"N 73° - 07' - 15.3"W

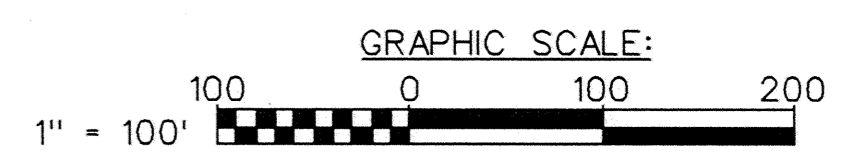
PLAN
SCALE: 1"=2,000'





PLAN
SCALE: 1" = 100'

NOTES:
1) For General Notes see sheet 1 of 2
2) Bench Mark 6791 B (1993) used to survey this sheet



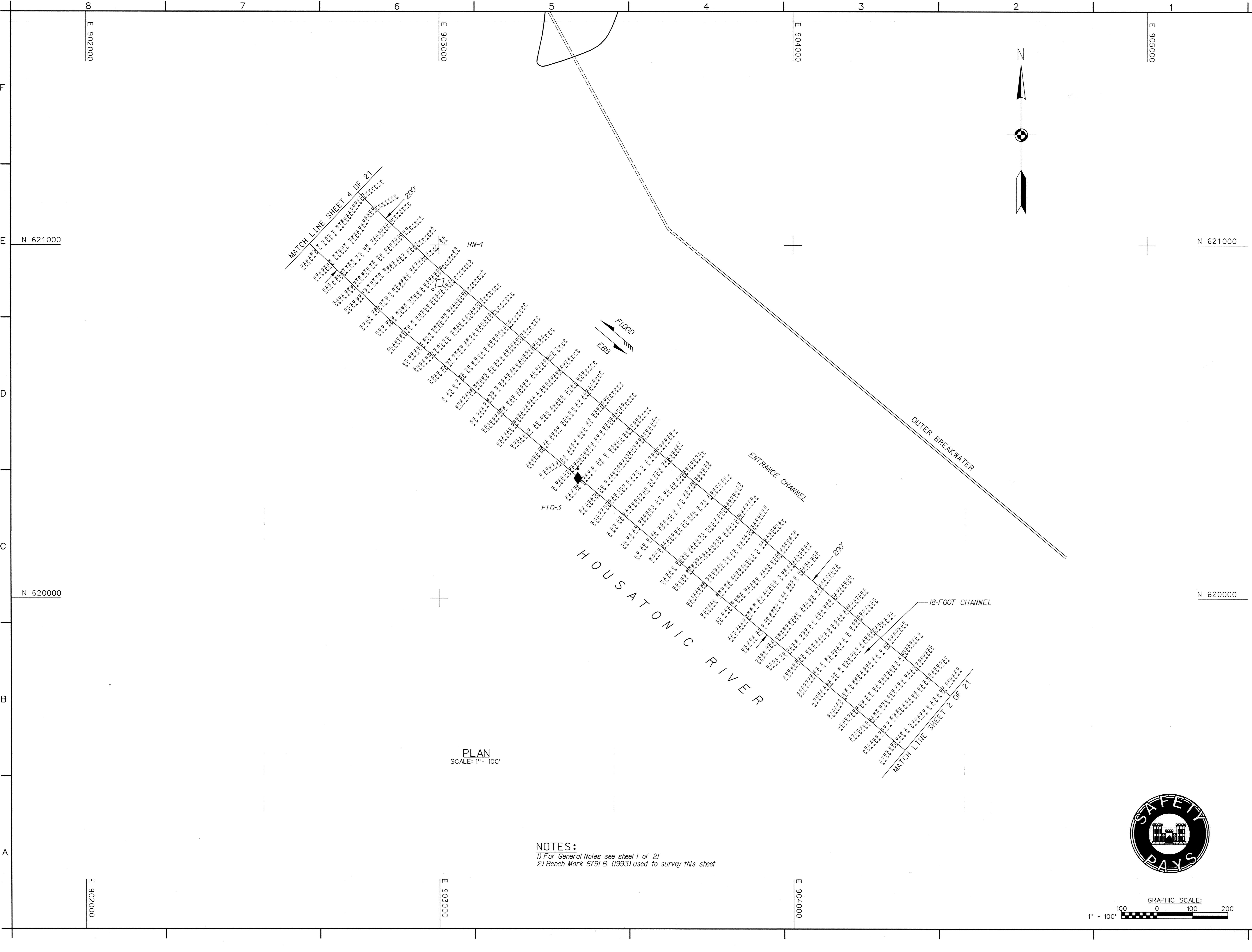
US Army Corps
of Engineers
New England District

Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CONCORD, MASSACHUSETTS	Surveyed By: B. USACE/CAE/HA/2 Hydrographic Crew: 2/11/06 Design file:	Rev.
	Plotted By: J. Sullivan V.S. Sanderson	Drawing code: HC-512
	Checked: J. Sullivan U.S. Army Corps of Engineers	File name: 180102.S02 Plot date: 7/07/2006 Plot scale: 1"=100'

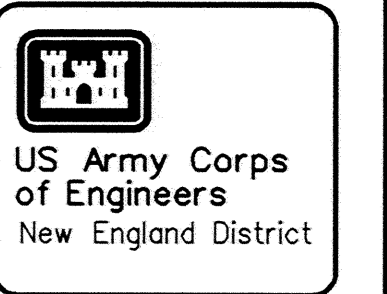
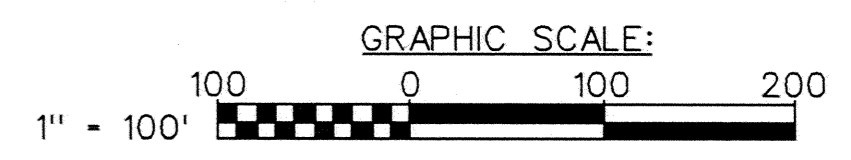
HOUSATONIC RIVER
STRATFORD, MILFORD, SHELTON,
ORANGE AND DERBY, CONNECTICUT
CONDITION SURVEY
18 AND 7-FOOT CHANNELS

Reference
number:
V-2
Sheet 2 of 21



PLAN
SCALE: 1" = 100'

NOTES:
 1) For General Notes see sheet 1 of 21
 2) Bench Mark 6791 B (1993) used to survey this sheet

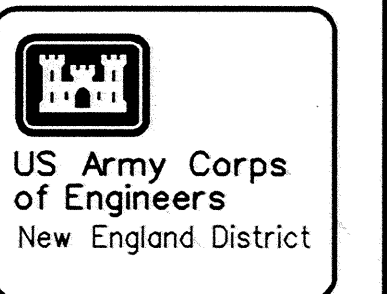
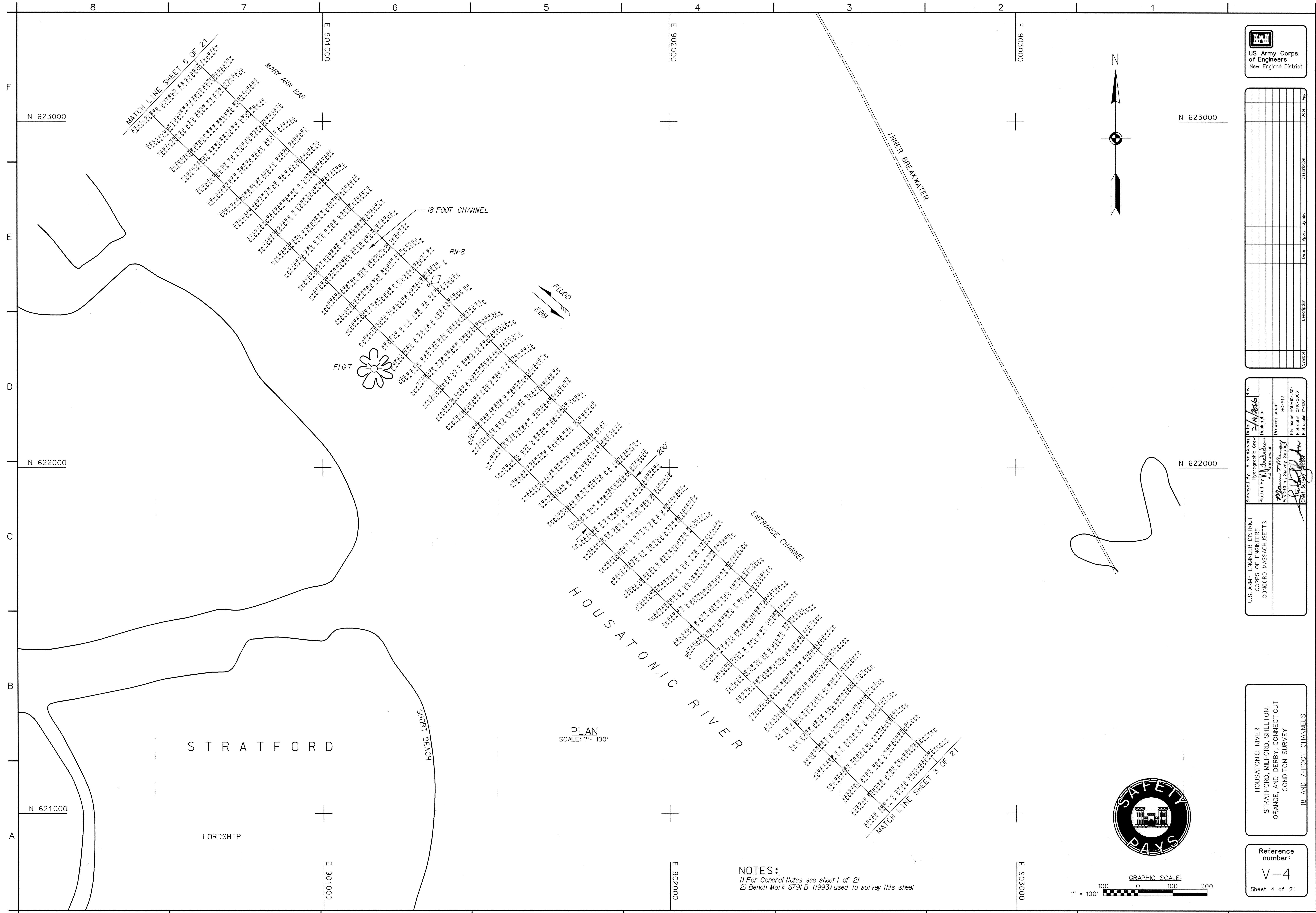


Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

Surveyed By: B. Macomber Checked By: W. [Signature] Date: 2/16/2008	Design No.: Drawing Code: HC-512 File Name: HSNV03.03 Plot Date: 2/16/2008 Plot Scale: 1"=300'
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CONCORD, MASSACHUSETTS	[Signature] [Signature] [Signature]

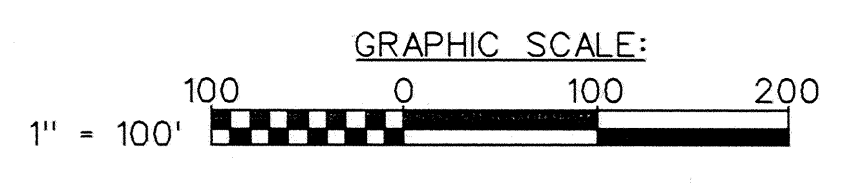
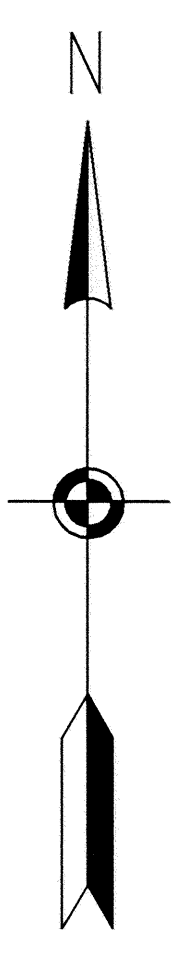
HOUSATONIC RIVER
 STRATFORD, MILFORD, SHELTON,
 ORANGE, AND DERBY, CONNECTICUT
 CONDITION SURVEY
 18- AND 7-FOOT CHANNELS

Reference number:
 V-3
 Sheet 3 of 21



Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CONCORD, MASSACHUSETTS	Surveyed by: R. MacGovern	Scale: 1" = 100'	Rev.:
	Hydrographic Chart: 1714	Drawing code: HC-512	
	Plotted by: J. J. Sullivan		
	V.S. Station: 6791 B		



NOTES:
 1) For General Notes see sheet 1 of 21
 2) Bench Mark 6791 B (1993) used to survey this sheet

HOUSATONIC RIVER
 STRATFORD, MILFORD, SHELTON,
 ORANGE, AND DERBY, CONNECTICUT
 CONDITION SURVEY
 18 AND 7-FOOT CHANNELS

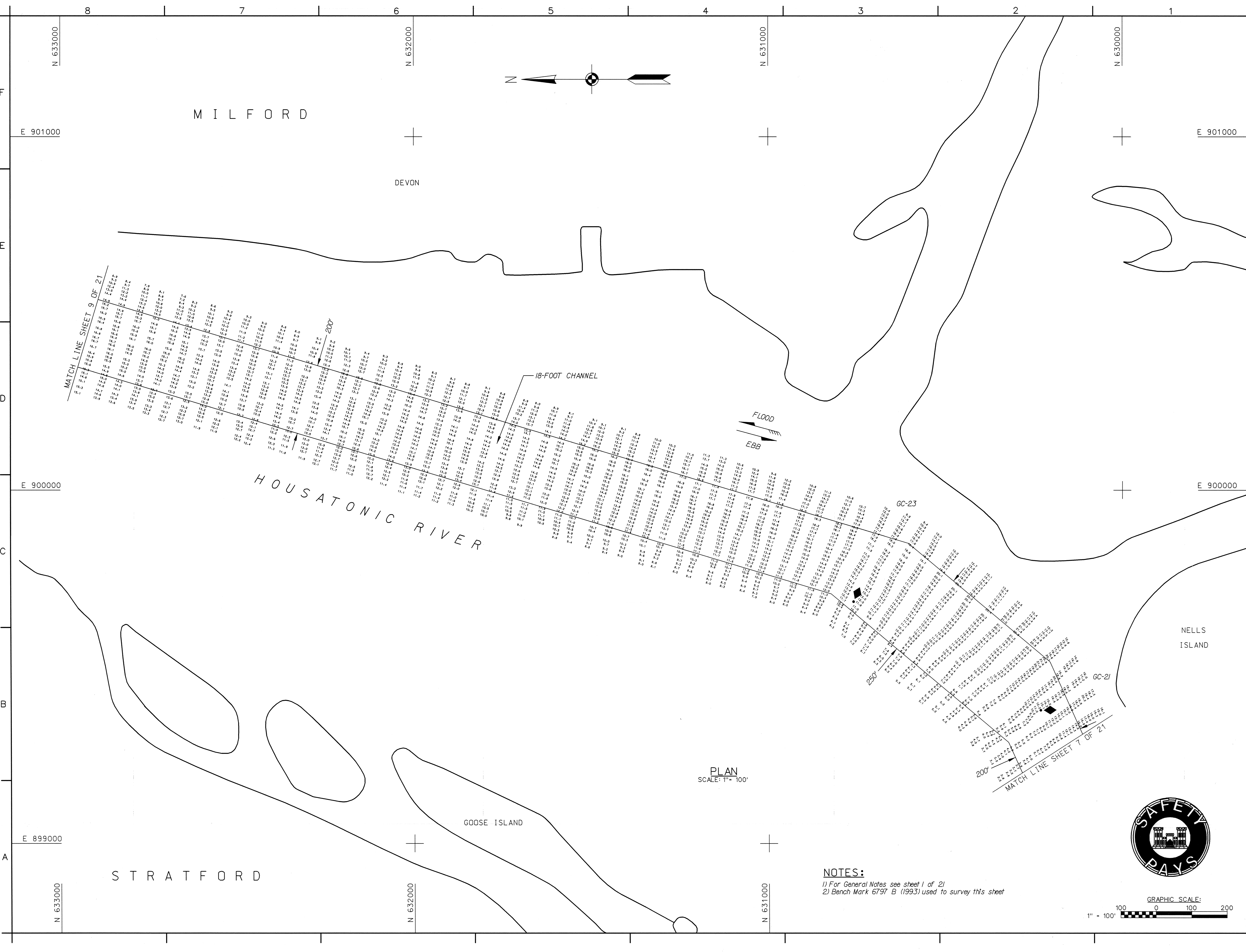
Reference number:
V-4
 Sheet 4 of 21

Symbol	Description	Date	Appr.

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	Plotted By: J. Sanderson		
	U.S. Coast and Geodetic Survey		
	Planning code: 104/104/508		
	HC-512		
	Plot date: 2/16/2006		
	Plot scale: 1"=100'		

HOUSATONIC RIVER
STRATFORD, MILFORD, SHELTON,
ORANGE, AND DERBY, CONNECTICUT
CONDITION SURVEY
18 AND 7-FOOT CHANNELS

Reference number:
V-8
Sheet 8 of 21

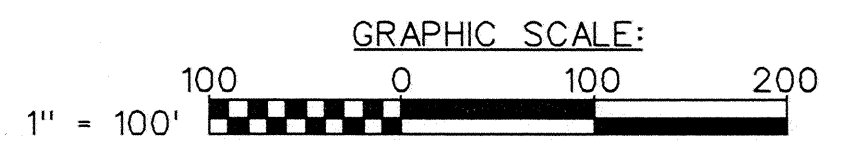


MATCH LINE SHEET 9 OF 21

MATCH LINE SHEET 7 OF 21

FLOOD
EBB

NOTES:
1) For General Notes see sheet 1 of 21
2) Bench Mark 6797 B (1993) used to survey this sheet



Date	Appr.	Symbol	Description

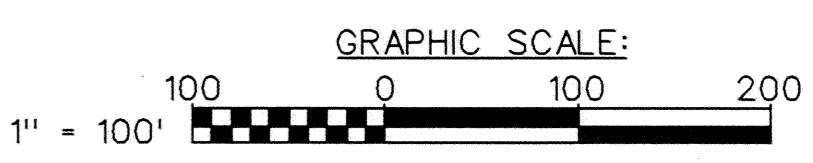
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Hydrographic Crew: 2/16/06	Project No: 1000000000	Sheet No: 9 of 21	

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

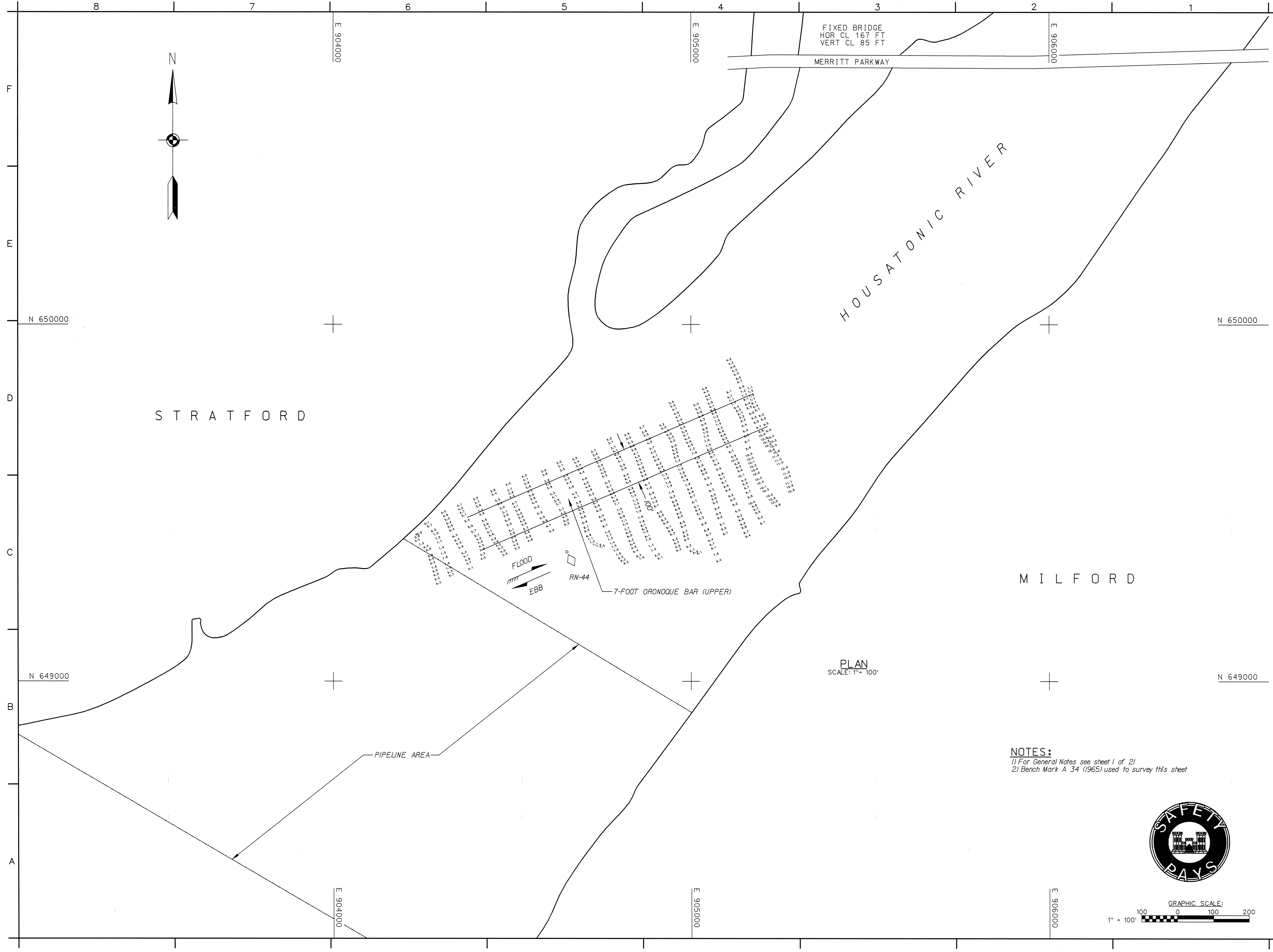
Reference number:
V-9
Sheet 9 of 21



NOTES:
1) For General Notes see sheet 1 of 21.
2) Bench Mark 6797 B (1993) used to survey this sheet



HOUSATONIC RIVER
STRAITFORD, MILFORD, SHELTON,
ORANGE, AND DERBY, CONNECTICUT
CONDITION SURVEY
18 AND 7-FOOT CHANNELS



FIXED BRIDGE
HOR CL 167 FT
VERT CL 85 FT

MERRITT PARKWAY

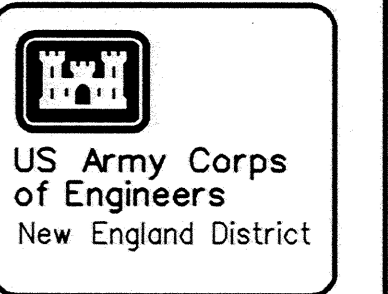
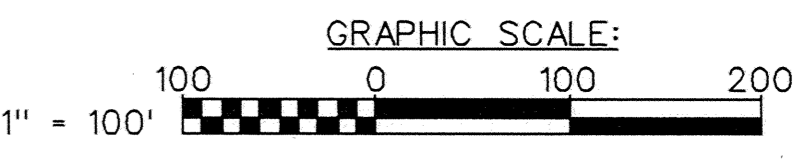
HOUSATONIC RIVER

STRATFORD

MILFORD

PLAN
SCALE: 1" = 100'

NOTES:
1) For General Notes see sheet 1 of 21
2) Bench Mark A 34 (1965) used to survey this sheet



Symbol	Description	Date	Appr.

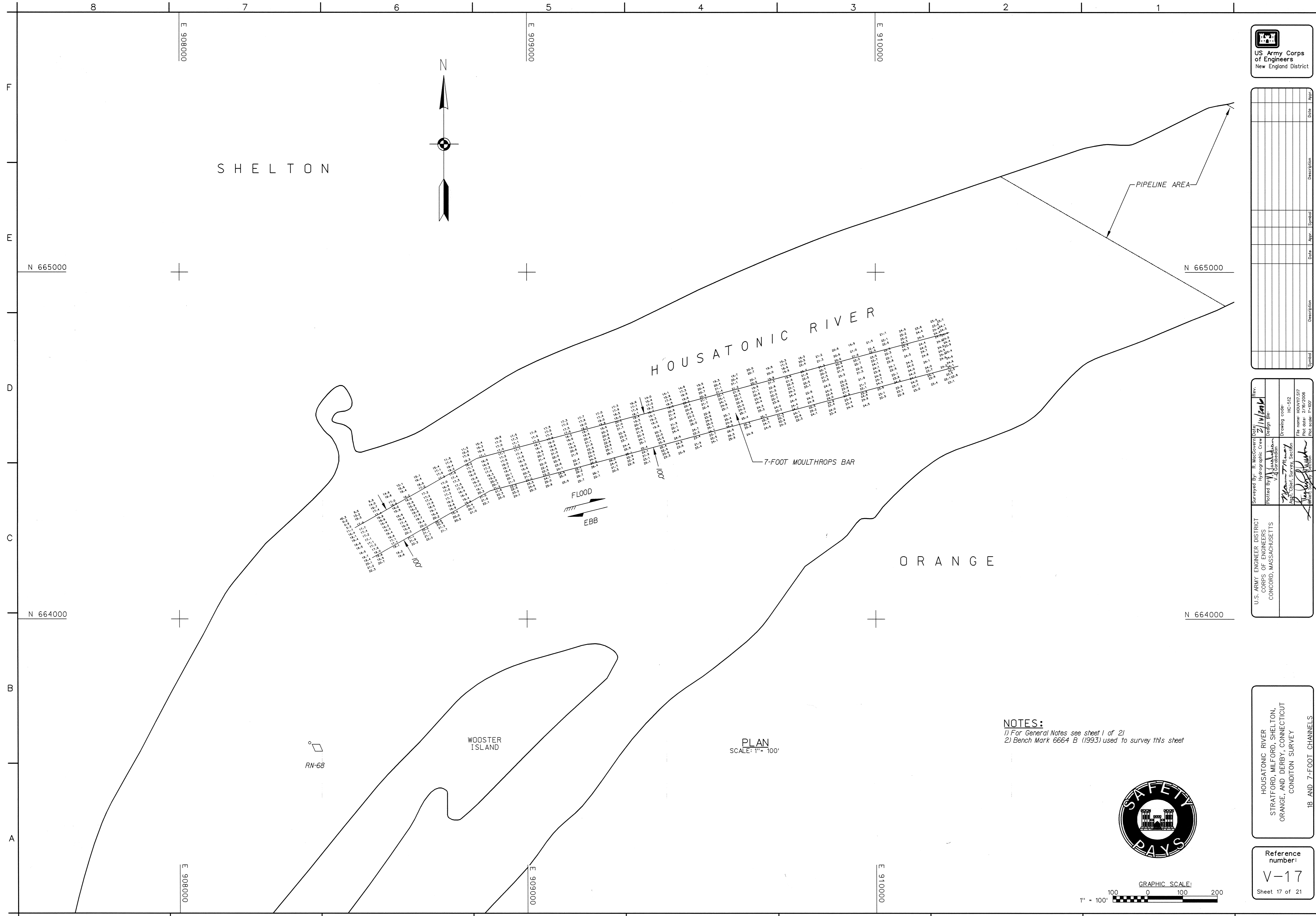
Surveyed By: B. Macomber	Checked: J. J. [Signature]	Drawn: J. J. [Signature]	Rev.:
Hydrographic Crew: [Signature]	Hydrographic Crew: [Signature]	Hydrographic Crew: [Signature]	HC-512
Printed By: J. J. [Signature]	Printed By: J. J. [Signature]	Printed By: J. J. [Signature]	File name: H04114.S14
Approved: J. J. [Signature]	Approved: J. J. [Signature]	Approved: J. J. [Signature]	Plot date: 2/16/2008
Scale: 1" = 100'	Scale: 1" = 100'	Scale: 1" = 100'	Plot scale: 1" = 100'

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

HOUSATONIC RIVER
STRATFORD, MILFORD, SHELTON,
ORANGE, AND DERBY, CONNECTICUT
CONDITION SURVEY

Reference number:
V-14
Sheet 14 of 21

18. AND 7-FOOT CHANNELS



US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.

Surveyed By: R. Macomber (NCE)	Rev.:
Hydrographic Crew: J. W. Z...	Design file:
Plotted By: J. W. Z...	Drawing code: HC-512
Checked By: J. W. Z...	File name: M000712.DST
Project Manager: J. W. Z...	Plot date: 7/16/2006
Chief of Party: J. W. Z...	Plot scale: 1"=100'
Draftsman: J. W. Z...	

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

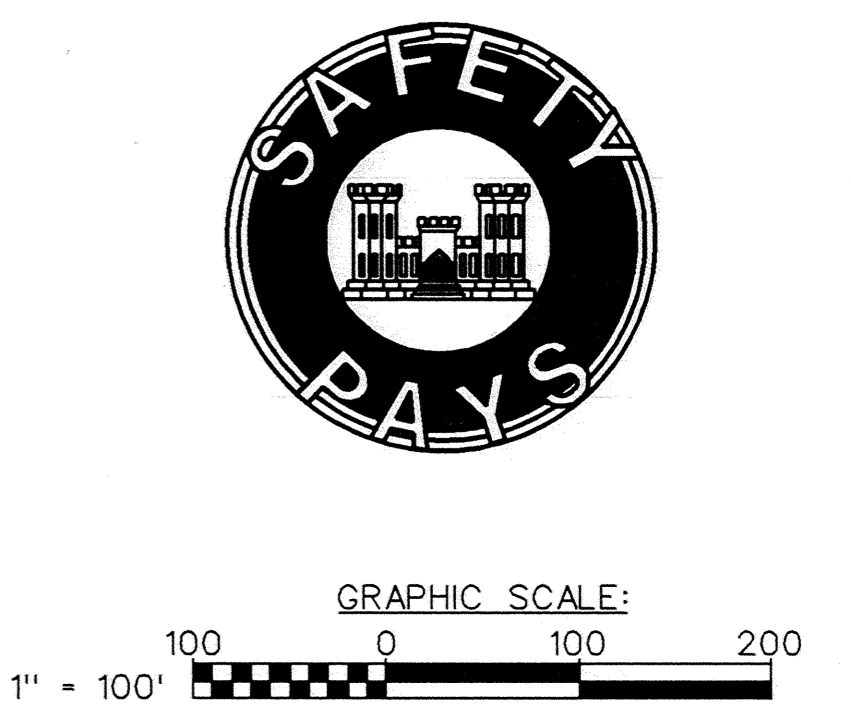
HOUSATONIC RIVER
STRATFORD, MILFORD, SHELTON,
ORANGE AND DERBY, CONNECTICUT
CONDITION SURVEY

18 AND 7-FOOT CHANNELS

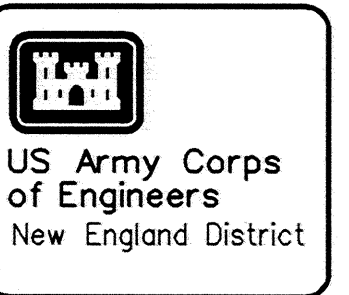
Reference number:
V-17

Sheet 17 of 21

NOTES:
1) For General Notes see sheet 1 of 21
2) Bench Mark 6664 B (1993) used to survey this sheet



PLAN
SCALE: 1" = 100'

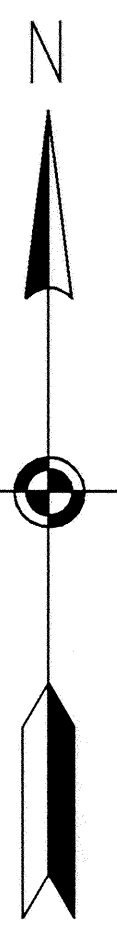
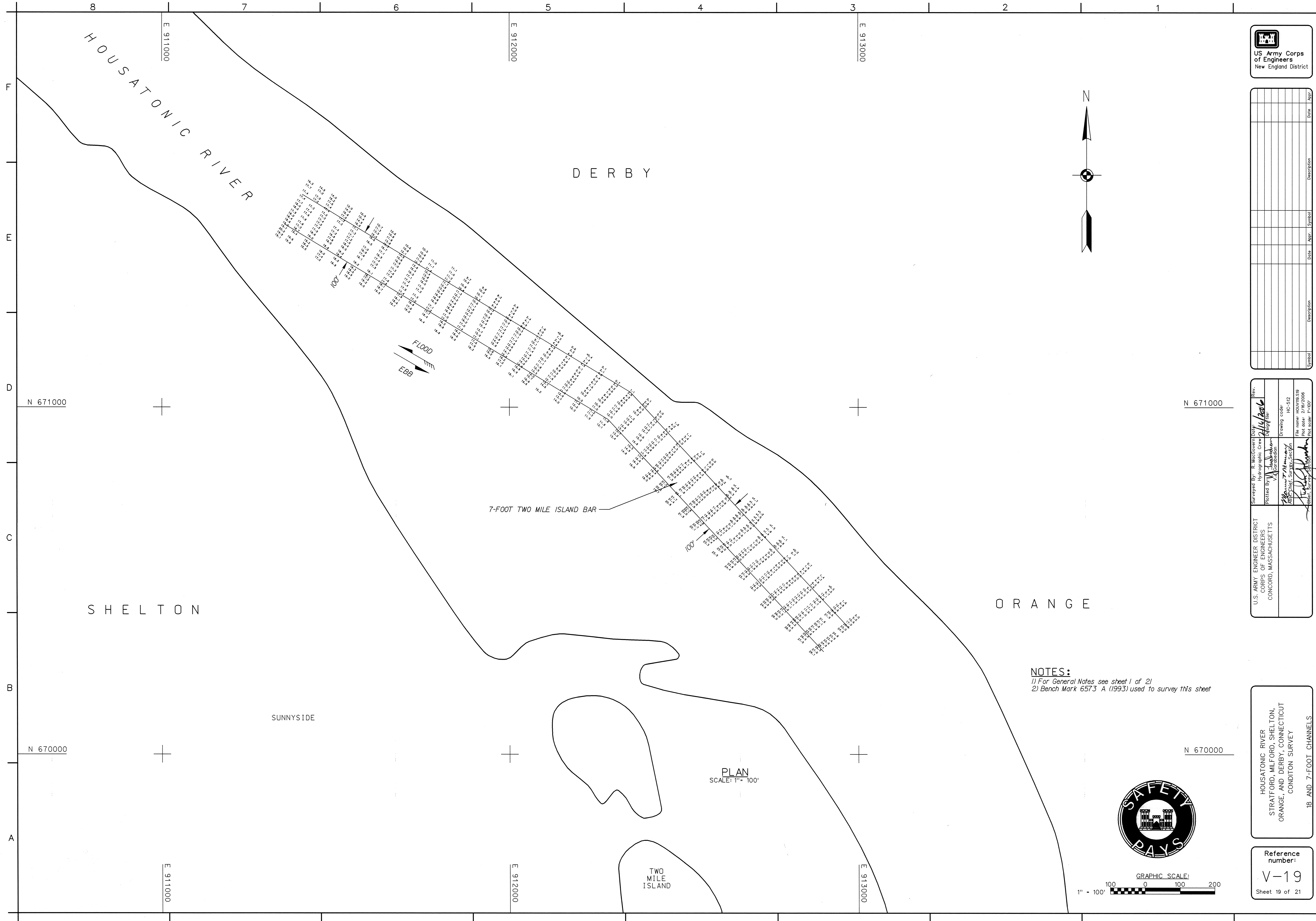


Symbol	Description	Date	Appr.

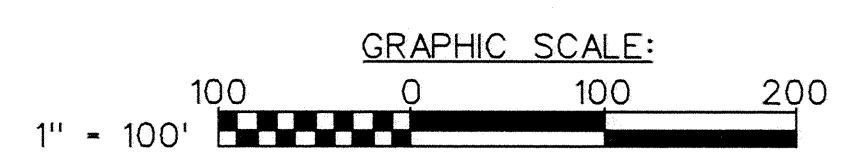
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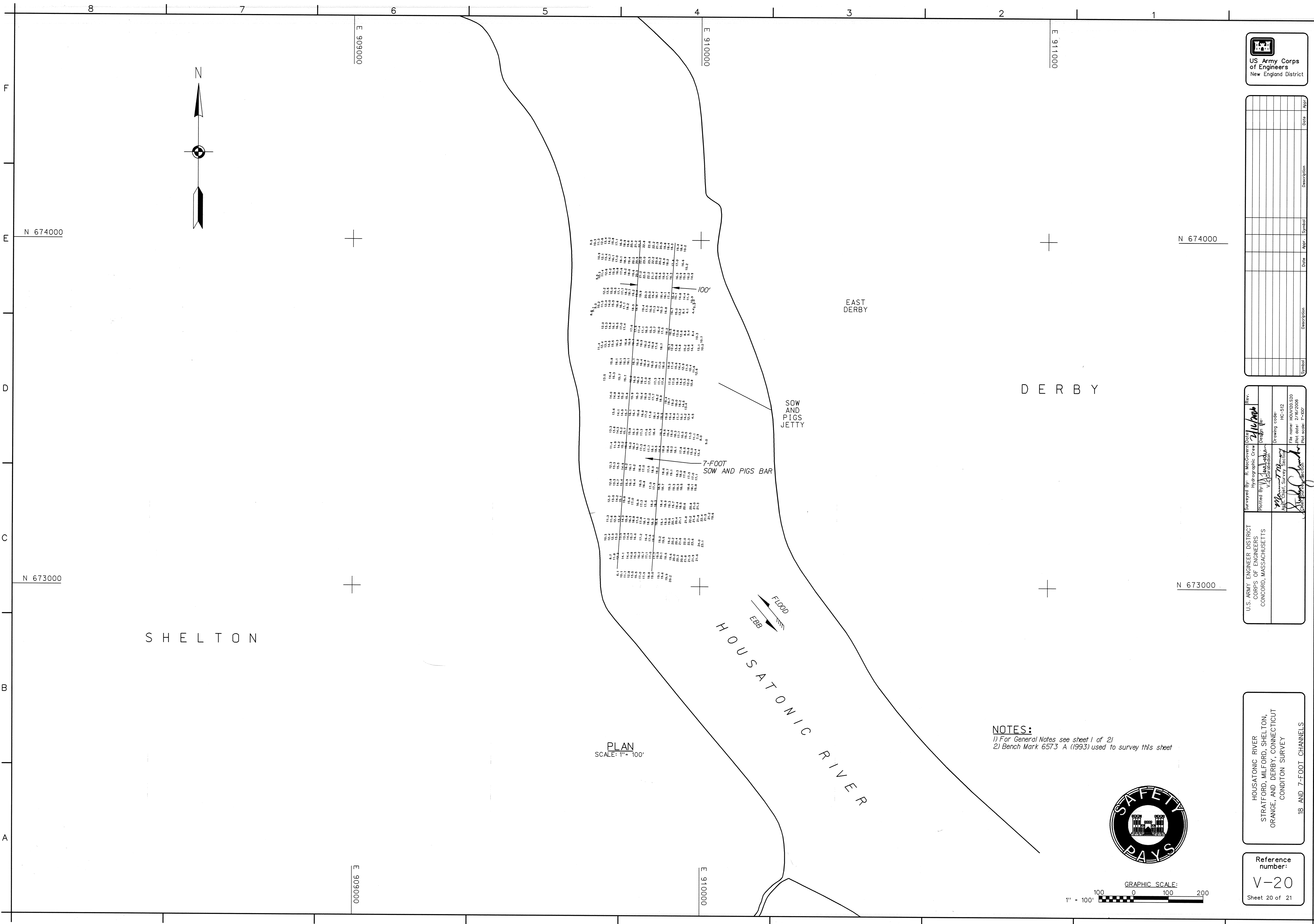
HOUSATONIC RIVER
 STRATFORD, MILFORD, SHELTON,
 ORANGE, AND DERBY, CONNECTICUT
 CONDITION SURVEY
 18 AND 7-FOOT CHANNELS

Reference number:
 V-19
 Sheet 19 of 21



NOTES:
 1) For General Notes see sheet 1 of 21
 2) Bench Mark 6573 A. (1993) used to survey this sheet





N 674000

N 673000

E 909000

E 910000

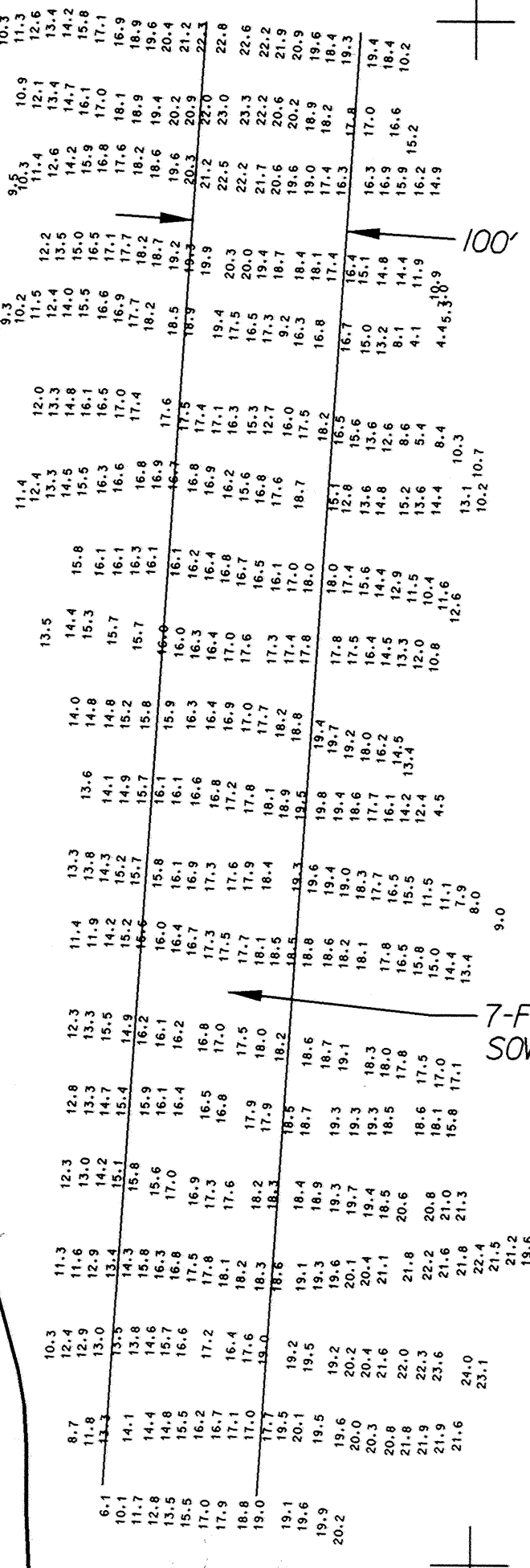
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E 909000

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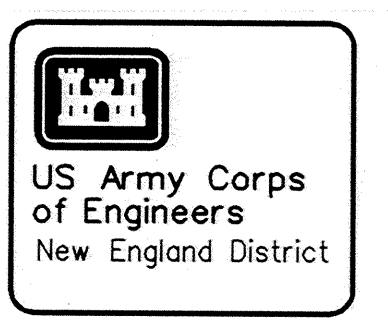
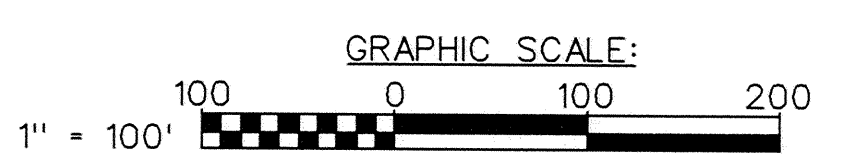
N 674000

N 673000



PLAN
SCALE: 1" = 100'

NOTES:
1) For General Notes see sheet 1 of 2!
2) Bench Mark 6573 A (1993) used to survey this sheet



Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CONCORD, MASSACHUSETTS	Surveyed By: R. MacGovern	Date: 2/16/06	Rev.
	Hydrographic Crew: V. S. Carabedian	Design: V. S. Carabedian	
	Plotted By: M. J. [Signature]	Drawing code: HC-512	
	Dist. Chief, Survey Section: M. J. [Signature]	File name: H00V020.S20	Plot scale: 1"=100'

HOUSATONIC RIVER
STRATFORD, MILFORD, SHELTON,
ORANGE, AND DERBY, CONNECTICUT
CONDITION SURVEY
18 AND 7-FOOT CHANNELS

Reference number:
V-20
Sheet 20 of 21

Symbol	Description	Date	Appr.

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Hydrographic Crew: 21/4 boat
Plotted By: J. J. ...
Chief of Station: ...

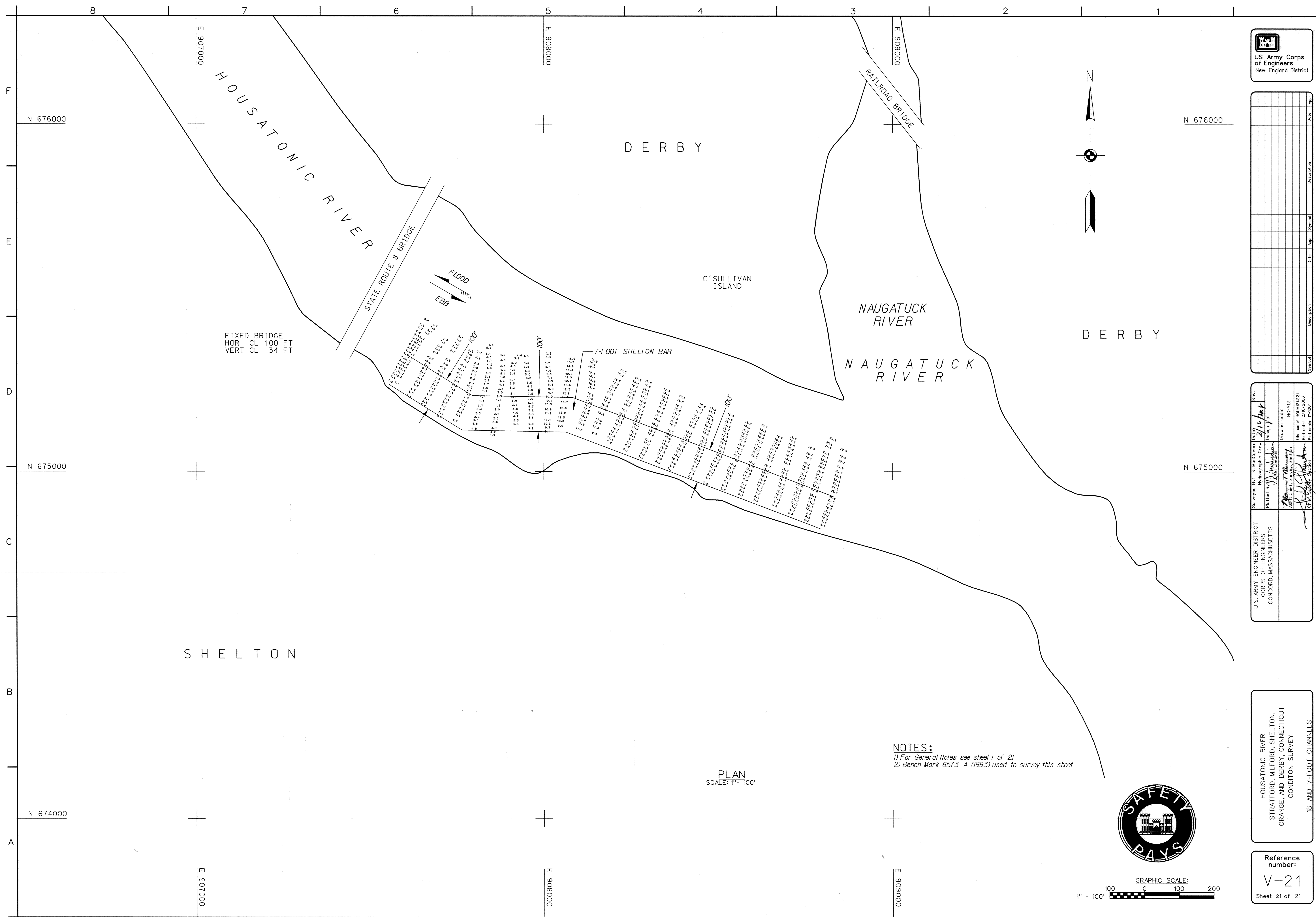
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File name: HDM001231
Plot date: 2/18/2006
Plot scale: 1"=100'

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

HOUSATONIC RIVER
STRATFORD, MILFORD, SHELTON,
ORANGE, AND DERBY, CONNECTICUT
CONDITION SURVEY

18 AND 7-FOOT CHANNELS

Reference number:
V-21
Sheet 21 of 21



PLAN
SCALE: 1" = 100'

NOTES:
1) For General Notes see sheet 1 of 21
2) Bench Mark 6573 A (1993) used to survey this sheet

