US Army Corps of Engineers
New York District

W912DS–05–B–0010

MAINTENANCE DREDGING
ARTHUR KILL REACH
NEW YORK AND NEW JERSEY CHANNELS

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US Army Corps of Engineers
New York District

Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

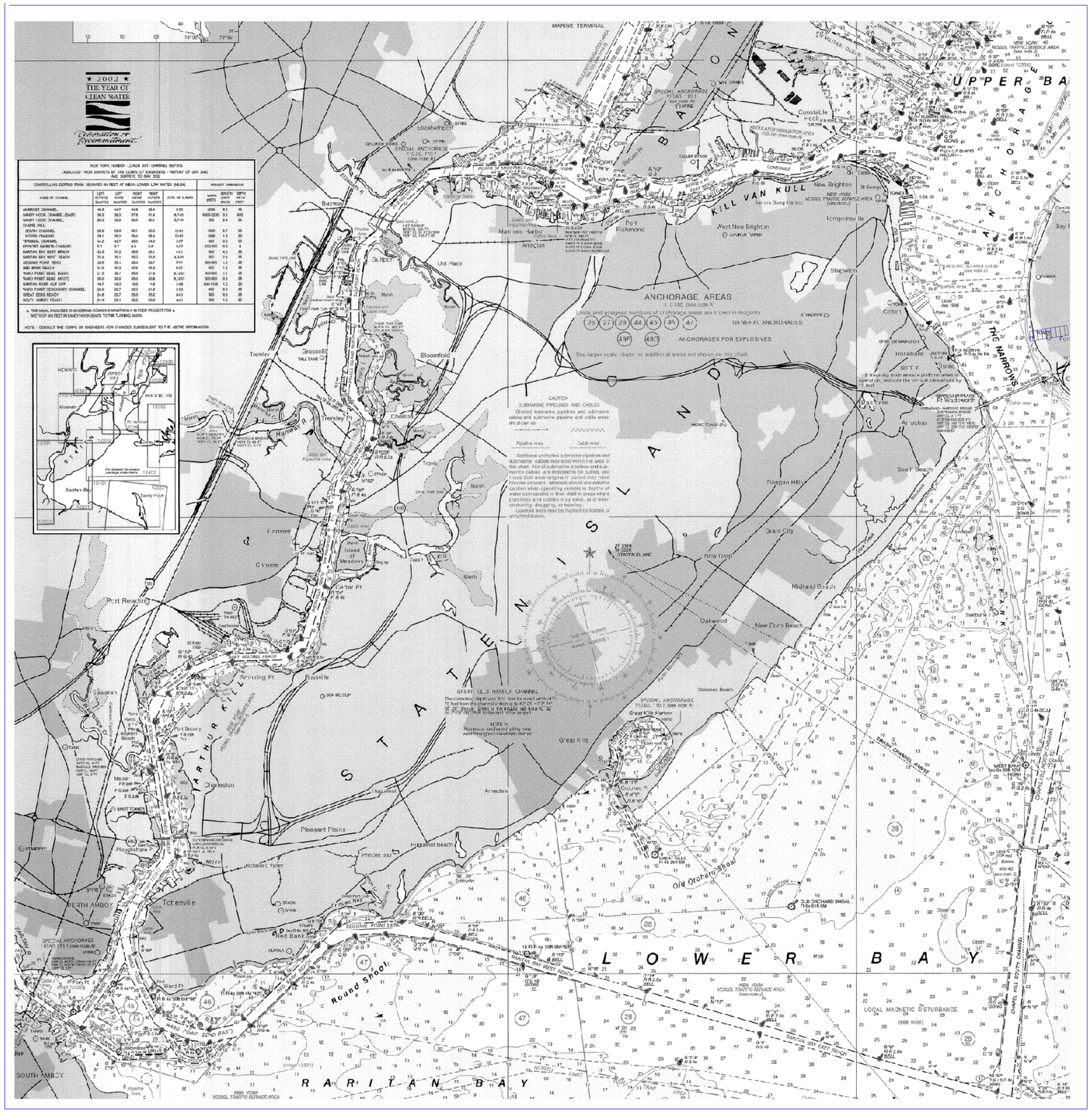
DRAWN BY: S.MONTGOMERY
CHECKED BY: SURVEY SECTION
Date: 1 APR 2005
Solicitation no.: W912DS-05-B-0010
Contract no.:
RECEIVED BY: TECH. SUPPORT SECTION
Plot date: APR 2005
Plot by: S.LIPP
Scale: NA

Recommended by: Chief, Survey Section
Approved by: Chief, Geodetic & Survey Branch

MAINTENANCE DREDGING
ARTHUR KILL REACH
NEW YORK AND NEW JERSEY CHANNELS
INDEX

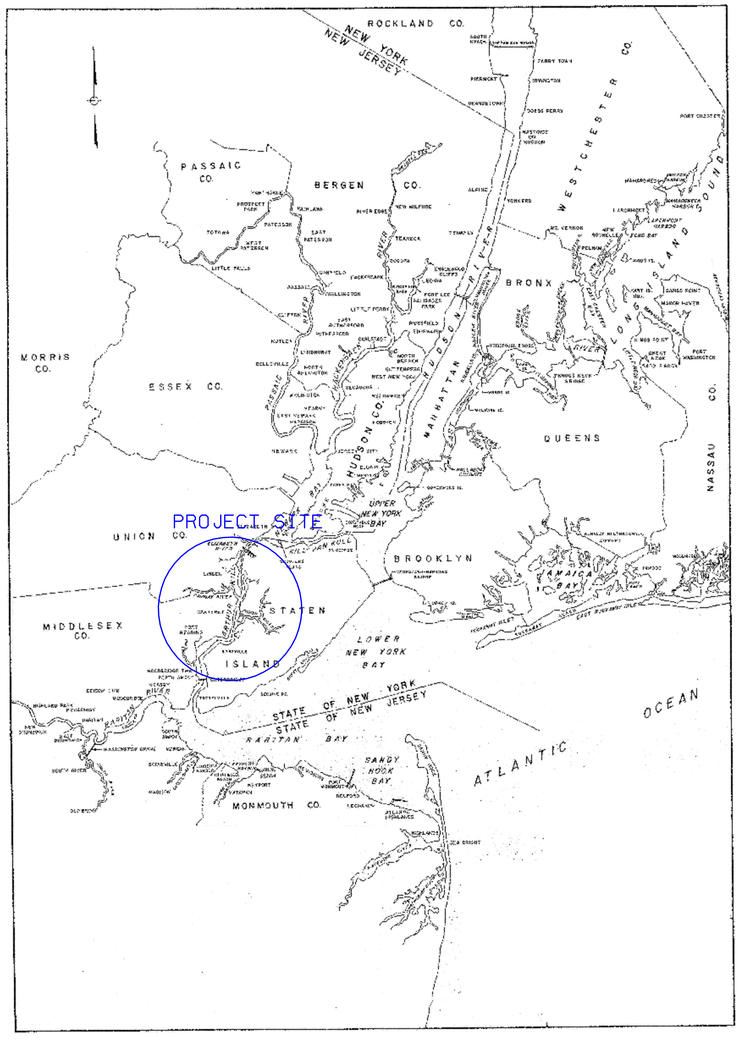
Sheet reference number:
1267
SHEET A of 16

SHEET FILE: G:\FEDERAL PROJECTS\#' & %\CHS\ARTHUR KILL EBB\2005\MAP A.DGN



NOAA CHART (12327) OF THE PROJECT AREA

DREDGING SITE



VICINITY MAP

US Army Corps of Engineers
New York District

Mark	Description	Date	Approved

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Date: APR 2005
Scale: AS NOTED
W912QR-05-D-0009
Contract no.:

DRAWN BY:
CIVIL DESIGN SECTION
SURVEY SECTION

REVIEWED BY:
TECH SUPPORT SECTION

Recommended by: TECHNICAL SUPPORT SECTION
Approved by: CHIEF, OPERATIONS SUPPORT BRANCH

Plot date: APR 2005
Plot file: S_1267
Scale: NA

MAINTENANCE DREDGING
ARTHUR KILL REACH
NEW YORK AND NEW JERSEY CHANNELS
GENERAL LOCATION MAP

Sheet reference number:
1267
SHEET B of 16

SHEET FILE: G:\FEDERAL PROJECTS\ARTHUR KILL DREDGING\MAP B.DGN

N.Y. & N.J. CHANNEL COORDINATES NEW JERSEY 2900 (NAD83)		
POINTS	NORTH	EAST
15	614934.136	562610.917
19	659239.934	589795.563
21	659258.333	590717.174
28	661701.388	605244.301
29	663003.900	607339.596
31N	656116.125	576166.411
32N	657237.965	576860.863
33N	658392.482	577671.937
34	660078.579	579563.848
35	660248.724	581149.970
38	658246.579	589865.535
39	659130.807	593791.859
40	658887.472	595312.800
41	659276.206	597328.880
S14	611662.702	560181.981
15A1	615585.090	561904.539
16	623867.004	561245.946
17R	625765.361	562107.945
18R	627062.067	563860.231
19RC01	627772.088	565754.936
21A	629501.200	571023.796
22A	632774.839	572002.592
23A	639892.856	573298.930
24A	642665.318	575065.633
25A	643901.268	575205.135
26A	645845.514	573875.029
27A	650024.333	574208.369
28A	651962.060	574169.154
29A	654974.223	574519.859
30A	662008.710	613508.586
33A	658453.226	576988.657
34A	660615.731	579415.132
35A	660862.191	581712.675
36A	660964.799	586036.769
37A	660391.544	587989.600
39A	659945.003	593766.259
40A	659699.639	595299.872
41A	660043.546	597083.466
14A	611959.042	559654.769
15A2	614689.458	561682.023
18B	627505.638	563619.167
19RC02	627920.763	566529.345
20B	628005.891	570619.187
21B	628584.830	571271.632
22B	632658.084	572489.508
23B	639214.979	573683.654
26B	645389.205	574792.958
27B	646697.829	574444.561
39B	659020.966	593304.119
28B	651290.169	574782.822
23C	640128.471	574041.906
25C	643903.778	575809.174
20D	628597.472	570005.325
25D	642686.146	575671.740
27D	650009.476	574708.728
28D	651278.029	574182.997
34D	659746.942	579190.608
39D	659051.824	594285.535
PT2	658336.954	589723.808
PT3	658253.526	586373.654
PT4	658568.746	585809.690
PT5	659724.799	584415.011
PT6	660165.831	583515.156
PT7	660285.213	582687.667
16A	624314.578	560570.638
17A	625722.946	561210.147
19B	628410.513	566033.845
20E	628485.412	569632.287
30	655400.436	575324.615
31ANEW	656446.108	575782.685
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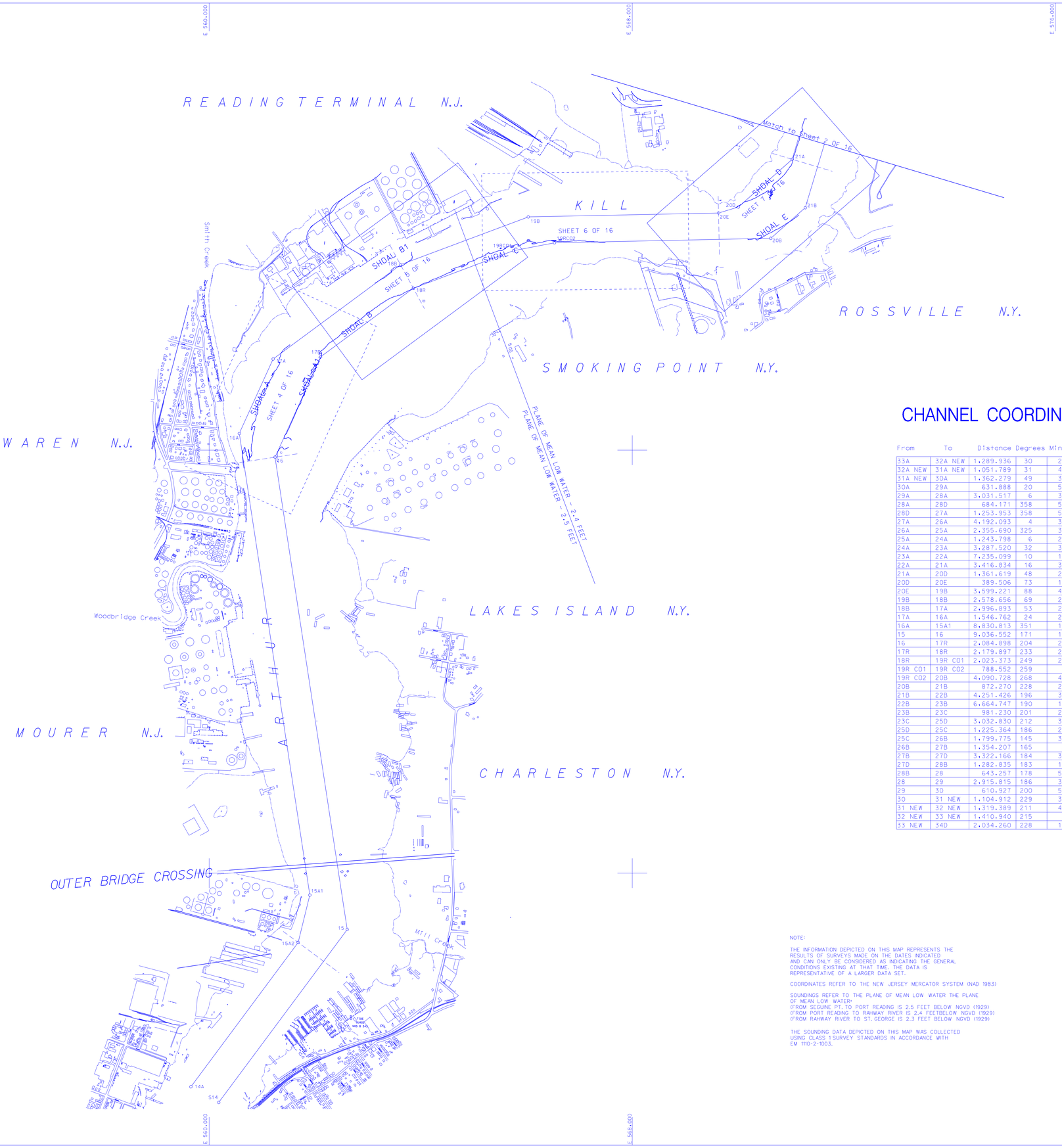
34E	660131.904	580060.952



CHANNEL COORDINATES

From	To	Distance	Degrees	Minutes	Seconds
33A	32A NEW	1,289.936	30	22	49.34
32A NEW	31A NEW	1,051.789	31	45	31.36
31A NEW	30A	1,362.279	49	37	44.57
30A	29A	631.888	20	51	16.67
29A	28A	3,031.517	6	38	35.56
28A	28D	684.171	358	50	26.31
28D	27A	1,253.953	358	50	26.23
27A	26A	4,192.093	4	33	38.76
26A	25A	2,355.690	325	37	22.87
25A	24A	1,243.798	6	26	23.05
24A	23A	3,287.520	32	30	23.81
23A	22A	7,235.099	10	19	17.84
22A	21A	3,416.834	16	38	46.72
21A	20D	1,361.619	48	24	58.10
20D	20E	389.506	73	16	47.35
20E	19B	3,599.221	88	48	27.37
19B	18B	2,578.656	69	27	25.37
18B	17A	2,996.893	53	29	53.86
17A	16A	1,546.762	24	25	18.32
16A	15A1	8,830.813	351	18	43.83
15	16	9,036.552	171	18	44.00
16	17R	2,084.898	204	25	18.03
17R	18R	2,179.897	233	29	53.72
18R	19R C01	2,023.373	249	27	25.33
19R C01	19R C02	788.552	259	7	56.27
19R C02	20B	4,090.728	268	48	27.32
20B	21B	872.270	228	24	58.14
21B	22B	4,251.426	196	38	46.74
22B	23B	6,664.747	190	19	17.84
23B	23C	981.230	201	24	50.57
23C	25D	3,032.830	212	30	23.82
25D	25C	1,225.364	186	26	22.97
25C	26B	1,799.775	145	37	22.94
26B	27B	1,354.207	165	5	30.70
27B	27D	3,322.166	184	33	38.79
27D	28B	1,282.835	183	18	40.08
28B	28	643.257	178	50	26.04
28	29	2,915.815	186	38	35.64
29	30	610.927	200	51	16.29
30	31 NEW	1,104.912	229	37	44.57
31 NEW	32 NEW	1,319.389	211	45	31.42
32 NEW	33 NEW	1,410.940	215	5	20.04
33 NEW	34D	2,034.260	228	17	31.72

NOTE:

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COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983)

SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER THE PLANE OF MEAN LOW WATER:
(FROM SEGUINE PT. TO PORT READING IS 2.5 FEET BELOW NGVD (1929)
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US Army Corps of Engineers
New York District

Mark	Description	Date	Approv	Mark	Description	Date	Approv

Date: APR 2005
Solicitation no.: W912DS-06-B-0010
Contract no.:
Plot date: APR 2005
Plot by: S. LEE
Scale: 1" = 500'

DRAWN BY: SURVEY SECTION
CHECKED BY: SURVEY SECTION
REVIEWED BY: TECH SUPPORT SECTION

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Recommended by: Chief, Survey Section
Approved by: Chief, Operations Support Division

MAINTENANCE DREDGING

ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

LAYOUT

CROSS SECTION

Sheet reference number:

1267

SHEET 1 of 16

SHEET FILE G:\VESSEL PROJECT\NY & NJ CHS\ARTHUR KILL 1267\1267\1267.DGN

N 632,000 N 640,000 N 648,000 N 656,000

E 568,000 E 576,000 E 584,000

TUFTS POINT N.J.

CARTERET N.J.

TREMLEY POINT N.J.

GRASSELLI N.J.

CEDAR POINT N.Y.

LAKES ISLAND N.Y.

CHELSEA N.Y.

PRALLS ISLAND N.Y.

GULFPORT N.Y.

STATEN ISLAND N.Y.

Match to Sheet 1 OF 16

Match to Sheet 3 OF 16

SHOAL F

SHOAL G

SHOAL H

SHOAL I

SHOAL J

SHOAL K

SHOAL L

SHOAL M

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SHEET 9 OF 16

SHEET 10 OF 16

SHEET 11 OF 16

SHEET 12 OF 16

SHEET 13 OF 16

SHEET 14 OF 16

SHEET 15 OF 16

Rahway River

Piles Creek

Morses Creek

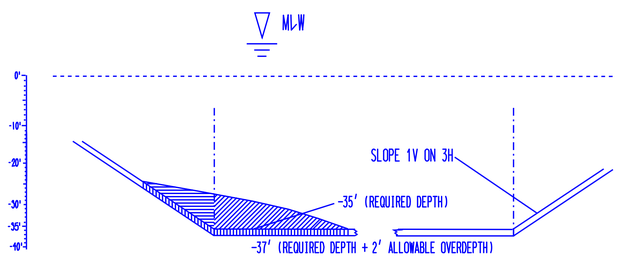
Neck Creek

Sawmill Creek

Prralls Creek

PLANE OF MEAN LOW WATER - 2.4 FEET

PLANE OF MEAN LOW WATER - 2.3 FEET



PAYABLE SIDESLOPE MATERIAL — MATERIAL REQUIRED TO BE DREDGED

ALLOWABLE OVERDEPTH

TYPICAL CROSS SECTION

NOT TO SCALE

NOTE:

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(FROM SEGUINE PT. TO PORT READING IS 2.5 FEET BELOW NGVD (1929)
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(FROM RAHWAY RIVER TO ST. GEORGE IS 2.3 FEET BELOW NGVD (1929)

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US Army Corps of Engineers
New York District

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

DRAWN BY: SURVEY SECTION
CHECKED BY: SURVEY SECTION
Date: APR 2005
Solicitation No. W912DQ-06-B-0003
Contract No.:
REVIEWED BY: TECH SUPPORT SECTION
Plot date: APR 2005
Plot by: S.LEW
Scale: 1" = 1000'

Recommended by: Chief, Survey Section
Approved by: Chief, Contracting & Survey Branch

MAINTENANCE DREDGING

ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

LAYOUT

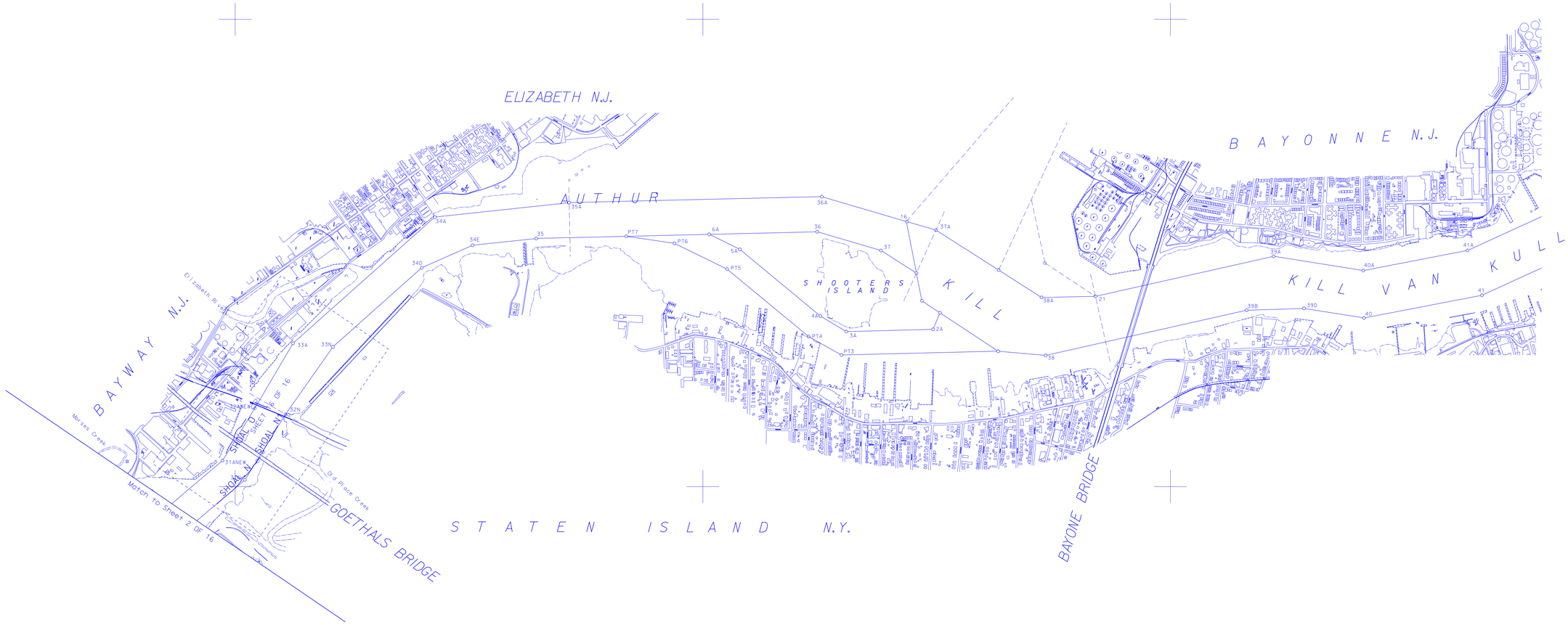
BENCH MARK

Sheet reference number:

1267

SHEET 2 of 16

SHEET FILE: G:\#FEDERAL PROJECTS\NY & NJ CH'LS\ARTHUR KILL EB5\#751502-02.DGN



BENCH MARKS

DESIGNATION - J 37
PID - KV0210
NAD 83(1986) - 40 34 42. (N) 074 12 52. (W) SCALED
NGVD1929 - 12.814'

DESCRIBED BY COAST AND GEODETIC SURVEY 1952

AT CARTERET, ABOUT 0.5 MILE NORTHEAST ALONG ROOSEVELT AVENUE FROM THE COLUMBUS SCHOOL, SET VERTICALLY IN THE SOUTHEAST FACE AT EAST CORNER OF BENJAMIN MOORE WAREHOUSE, 1 FOOT SOUTHWEST OF EAST CORNER OF BUILDING, 54 FEET NORTHWEST OF CENTER LINE OF ROOSEVELT AVENUE AND ABOUT 2 FEET ABOVE BLACK TOP APRON AROUND BUILDING.

DESIGNATION - L 37
PID - KV0223
NAD 83(1986)- 40 36 17. (N) 074 12 32. (W) SCALED
NGVD1929 - 8.372'

DESCRIBED BY COAST AND GEODETIC SURVEY 1952

ABOUT 0.7 MILE SOUTH ALONG THE SOUND SHORE RAILROAD FROM THE POST OFFICE AT GRASSELLI, ABOUT 0.7 MILE NORTH OF A BRIDGE OVER RAHWAY RIVER AND THE UNION-MIDDLESEX COUNTY LINE, AT A PRIVATE ROAD CROSSING, AT THE SINCLAIR OIL COMPANY STORAGE TANKS, SET IN THE TOP OF THE NORTHEAST CORNER OF A 6 BY 10-FOOT CONCRETE SLAB, 72 FEET WEST OF WEST RAIL OF MAIN TRACK, 13 FEET NORTHWEST OF CENTER LINE OF PRIVATE ROAD WHICH CROSSES TRACK, 75 FEET NORTHEAST AND ACROSS A BLACK TOP ROAD FROM THE NORTHEAST FACE OF STORAGE TANK NO. 8, 33 FEET NORTH OF CENTER LINE OF BLACK TOP ROAD, ABOUT LEVEL WITH TRACK.

DESIGNATION - P 37
PID - KV0227
NAD 83(1986)- 40 38 16. (N) 074 12 02. (W) SCALED
NGVD1929 - 12.107'

DESCRIBED BY COAST AND GEODETIC SURVEY 1952

AT ELIZABETHPORT, ALONG SOUTH FRONT STREET, IN THE TOP OF THE CONCRETE FOUNDATION OF THE SOUTHWEST COLUMN OF THE FIRST GOETHALS BRIDGE PIER NORTHWEST OF SOUTH FRONT STREET, 1½ FEET NORTH OF THE CORNER OF THE FOUNDATION AND 3 FEET ABOVE THE GROUND.

DESIGNATION - D 37
PID - KV0199
NAD 83(1986)- 40 32 51. (N) 074 15 35. (W) SCALED
NGVD1929 - 40.230'

DESCRIBED BY COAST AND GEODETIC SURVEY 1952

ABOUT 1.65 MILES NORTH ALONG STATE STREET FROM ITS UNDERPASS UNDER OUTER BRIDGE AT PERTH AMBOY, IN THE TOP OF THE NORTHEAST END OF THE STATE STREET OVERPASS OVER THE NEW YORK AND LONG BRANCH RAILROAD, 30 FEET EAST OF CENTER LINE OF STREET AND ABOUT 4 FEET BELOW LEVEL OF STREET.

NOTE:

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COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983)

SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER THE PLANE OF MEAN LOW WATER:
(FROM SEGUINE PT. TO PORT READING IS 2.5 FEET BELOW NGVD (1929)
(FROM PORT READING TO RAHWAY RIVER IS 2.4 FEETBELOW NGVD (1929)
(FROM RAHWAY RIVER TO ST. GEORGE IS 2.3 FEET BELOW NGVD (1929)

THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING CLASS 1 SURVEY STANDARDS IN ACCORDANCE WITH EM 1110-2-1003.

US Army Corps of Engineers
New York District

Mark	Description	Date	Approved

Mark	Description	Date	Approved

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Recommended by: CHIEF, TECHNICAL SUPPORT SECTION
Approved by: CHIEF, OPERATIONS SUPPORT BRANCH

DRAWN BY: SURVEY SECTION
CHECKED BY: SURVEY SECTION

Date: APR 2005
Solicitation no.: W912DS-04-B-0010
Contract no.:

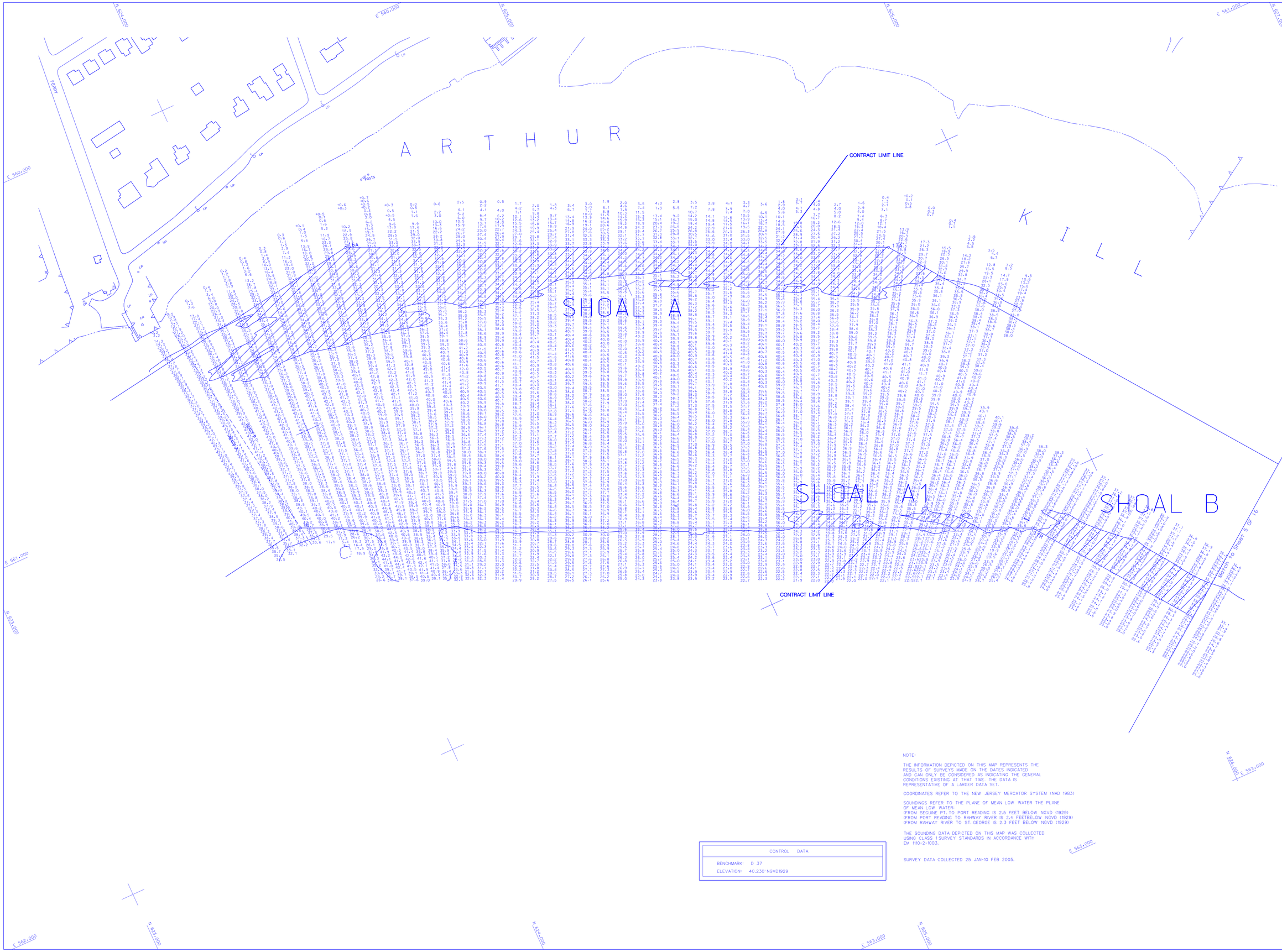
REVIEWED BY: TECH SUPPORT SECTION

Plot date: APR 2005
Plot by: S.LEE
Scale: 1"=807'

MAINTENANCE DREDGING
ARTHUR KILL REACH
NEW YORK AND NEW JERSEY CHANNELS
LAYOUT
COORDINATES

Sheet reference number:
1267
SHEET 3 of 16

G:\FEDERAL PROJECTS\NAN\ CHES-ARTHUR KILL 8ft\2005\2005-03.DGN



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THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING CLASS 1 SURVEY STANDARDS IN ACCORDANCE WITH EM 1110-2-1003.

SURVEY DATA COLLECTED 25 JAN-10 FEB 2005.

CONTROL DATA	
BENCHMARK:	D 37
ELEVATION:	40.230' NGVD1929

US Army Corps of Engineers
New York District

Mark	Description	Date	App.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Drawn by: SURVEY SECTION
Date: APR 2005
Scale: NONE
Solicitation no.: W912DS-05-B-0010
Checked by: SURVEY SECTION
Contract no.:

Recommended by: Chief, Survey Section
Approved by: Chief, Engineering Division
REVIEWED BY: TECH. SUPPORT SECTION
Plot date: APR 2005
Plot by: J. DIX
Scale: F=10'

MAINTENANCE DREDGING

ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

SOUNDINGS

Sheet reference number:

1267

SHEET 4 of 16

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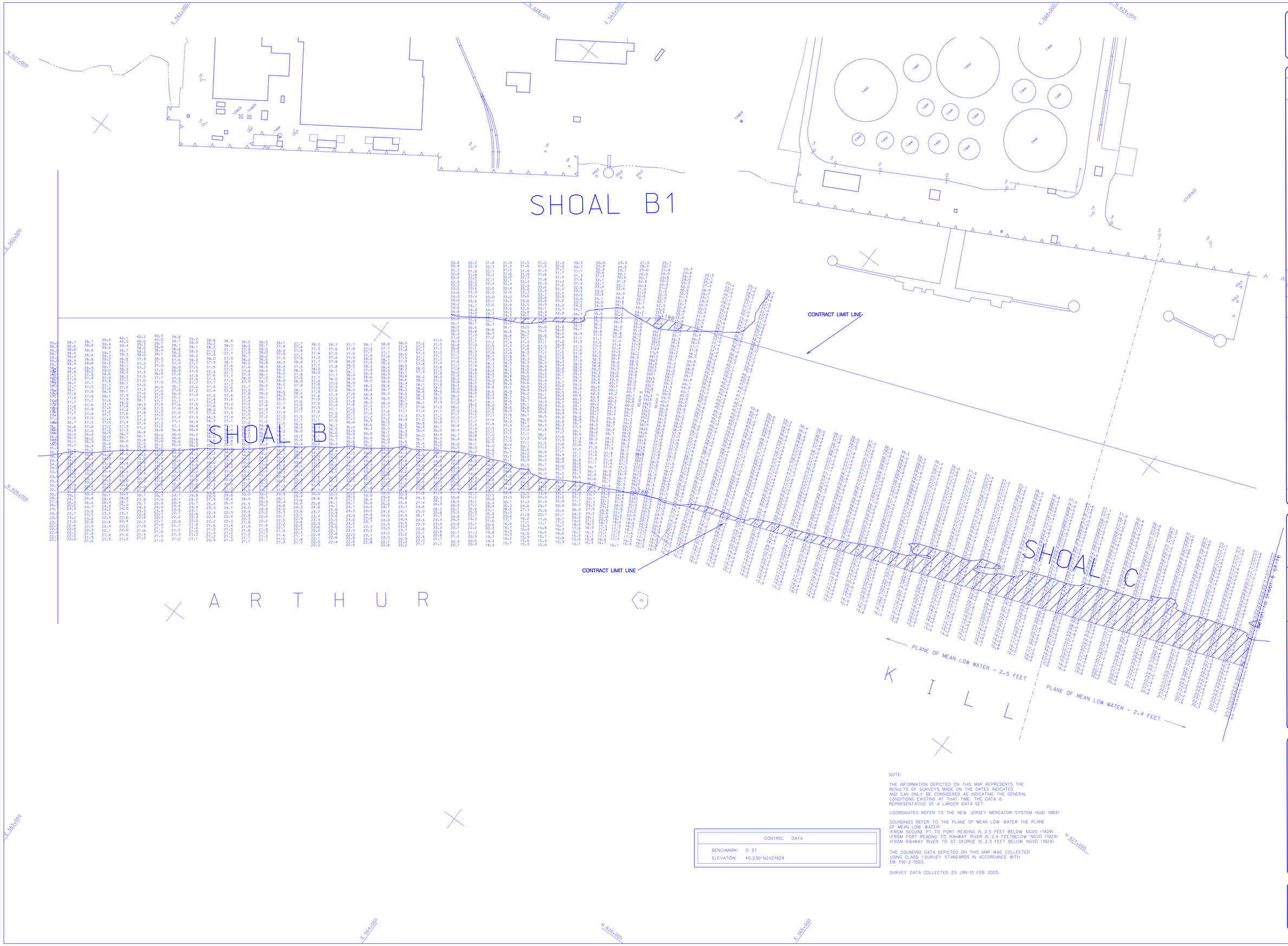

CONTROL DATA	
BENCHMARK:	D 37
ELEVATION:	40.230' NGVD1929

NOTE:

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SURVEY DATA COLLECTED 25 JAN-10 FEB 2005.

US Army Corps of Engineers
New York District

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

DRAWN BY: SURVEY SECTION
CHECKED BY: SURVEY SECTION
REVIEWED BY: TECH. SUPPORT SECTION

Date: APR 2005
Solicitation no.: W912DS-05-B-0010
Contract no.:
Plot date: APR 2005
Plot by: S. LEIF
Scale: 1"=100'

Recommended by: CHIEF, TECHNICAL SUPPORT SECTION
Approved by: CHIEF, PLANNING SUPPORT BRANCH

MAINTENANCE DREDGING

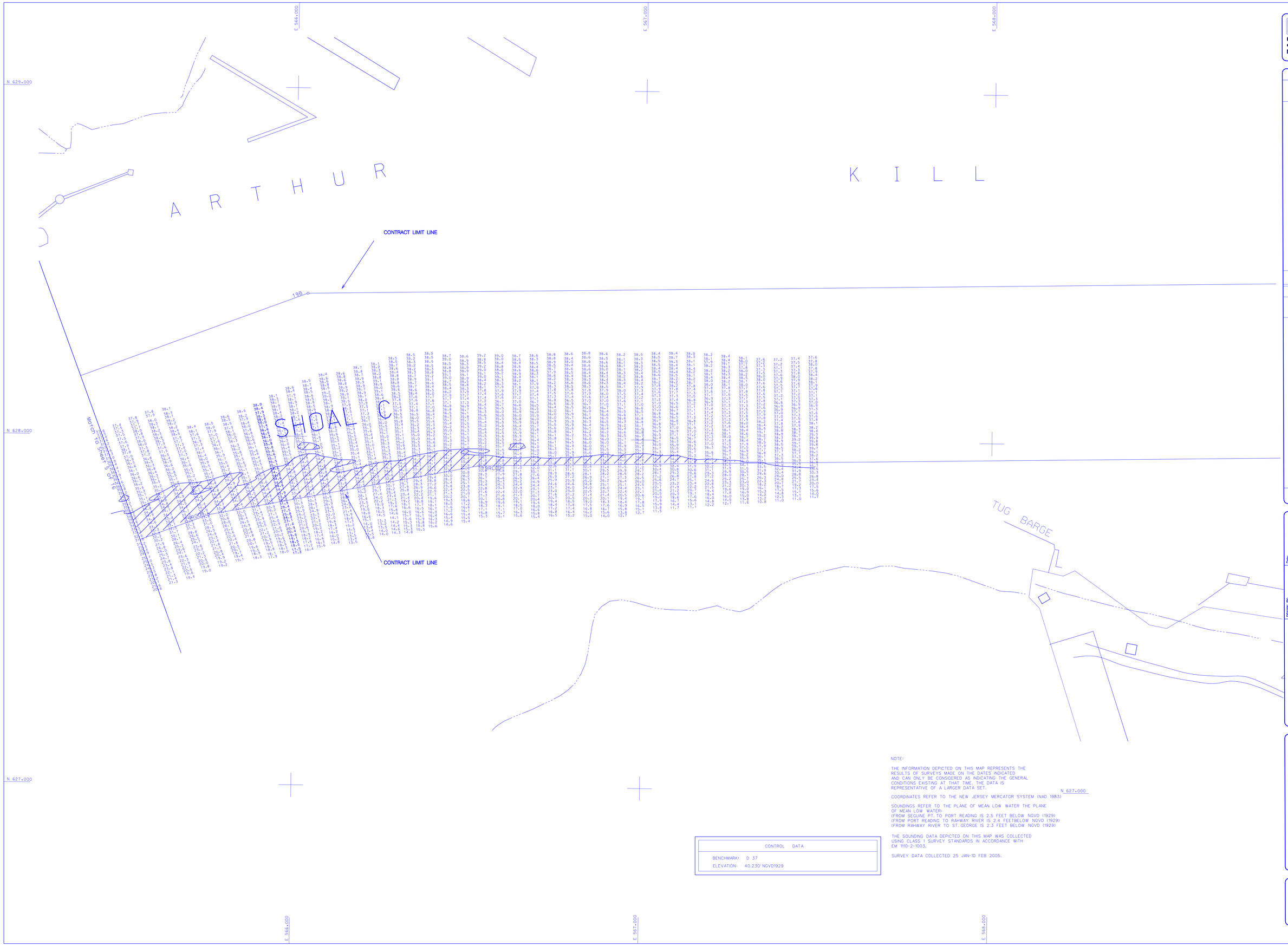
ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

SOUNDINGS

Sheet reference number:
1267
SHEET 5 of 16

SHEET FILE: G:\FEDERAL PROJECTS\N & NJ CHS\ARTHUR KILL DREDGING\DGN\



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SURVEY DATA COLLECTED 25 JAN-10 FEB 2005.

CONTROL DATA	
BENCHMARK:	D 37
ELEVATION:	40.230' NGVD1929

US Army Corps of Engineers
New York District

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

DRAWN BY: SURVEY SECTION
CHECKED BY: SURVEY SECTION
Date: APR 2005
Solicitation no.: W912DS-05-B-0010
Contract no.:
Plot date: APR 2005
Plot by: S. LIM
Scale: 1" = 500'

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Recommended by: CHIEF, SURVEY SECTION
Approved by: Chief, Planning & Support Services

REVIEWED BY: TECH SUPPORT SECTION

MAINTENANCE DREDGING

ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

SOUNDINGS

Sheet reference number:

1267

SHEET 6 of 16

G:\FEDERAL PROJECT\NY & NJ CH\ELIZABETH\ARTHUR KILL EB\0120\270506-6B\SON

NOTE:

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THE DATA IS REPRESENTATIVE OF A LARGER DATA SET.

COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983)

SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER THE PLANE OF MEAN LOW WATER:
(FROM SEGUINE PT. TO PORT READING IS 2.5 FEET BELOW NGVD (1929)
(FROM PORT READING TO RAHWAY RIVER IS 2.4 FEETBELOW NGVD (1929)
(FROM RAHWAY RIVER TO ST. GEORGE IS 2.3 FEET BELOW NGVD (1929)

THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING CLASS 1 SURVEY STANDARDS IN ACCORDANCE WITH EM 1110-2-1003.

SURVEY DATA COLLECTED 25 JAN-10 FEB 2005.

CONTROL DATA	
BENCHMARK:	J 37
ELEVATION:	12.814' NGVD1929

US Army Corps of Engineers
New York District

Mark	Description	Date	Appr.

Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

DRAWN BY: SURVEY SECTION
CHECKED BY: SURVEY SECTION
Date: APR 2005
Solicitation no.: W912DS-06-B-4010
Contract no.:
Plot date: APR 2005
Plot by: S.LIM
Scale: 1"=200'

Recommended by: CHIEF, TECHNICAL SUPPORT SECTION
Approved by: CHIEF, OPERATIONS SUPPORT BRANCH

MAINTENANCE DREDGING

ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

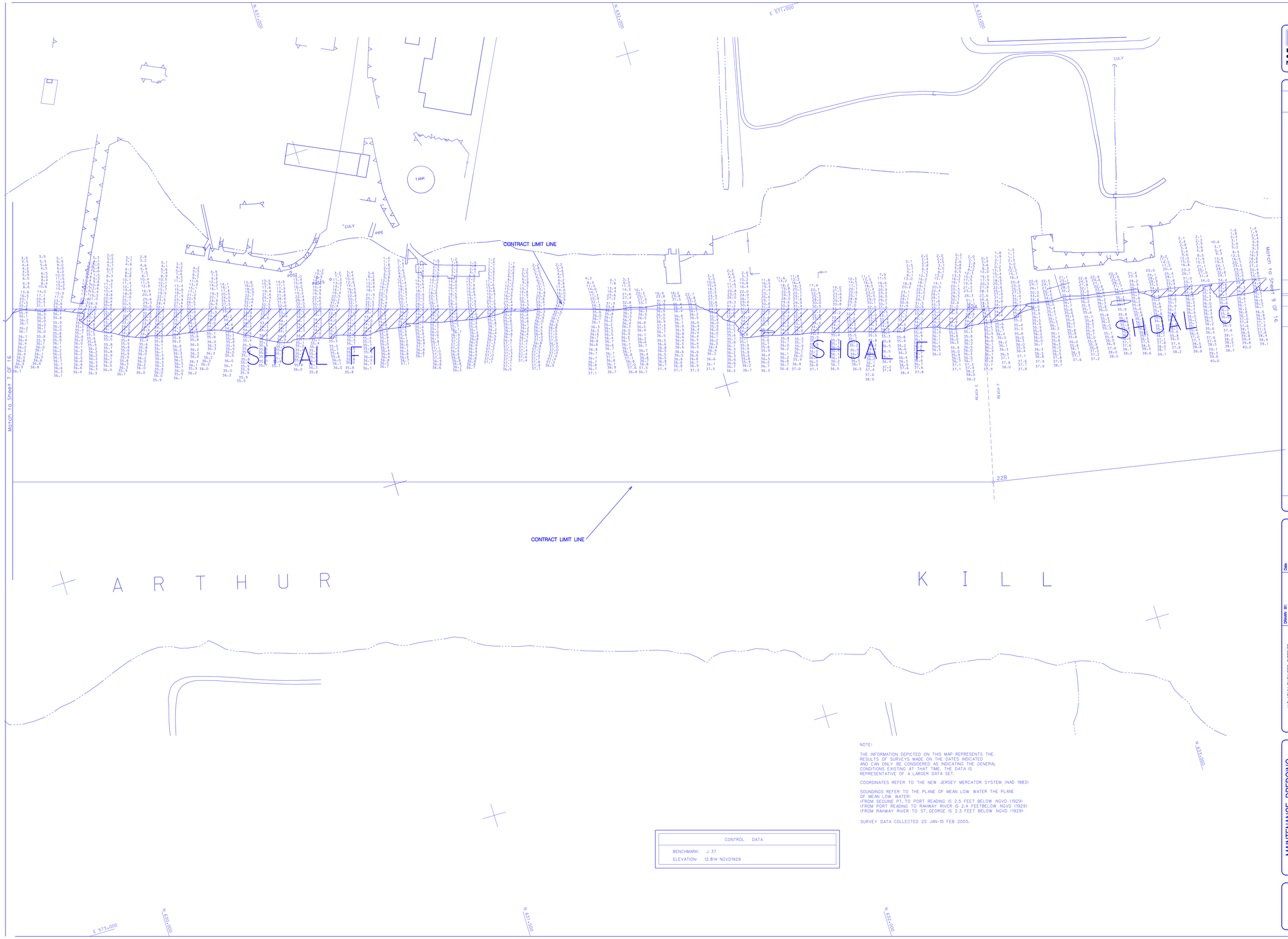
SOUNDINGS

Sheet reference number:
1267
SHEET 7 of 16

G:\FEDERAL PROJECT\NY & NJ CH\ARTHUR KILL EBB\SHP\FIGURE3-1.DGN

CORPS OF ENGINEERS

U. S. ARMY



NOTE:

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COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983)

SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER THE PLANE OF MEAN LOW WATER:
(FROM SEGUNE PT. TO PORT READING IS 2.5 FEET BELOW NGVD (1929)
(FROM PORT READING TO RAHWAY RIVER IS 2.4 FEETBELOW NGVD (1929)
(FROM RAHWAY RIVER TO ST. GEORGE IS 2.3 FEET BELOW NGVD (1929)

SURVEY DATA COLLECTED 25 JAN-10 FEB 2005.

CONTROL DATA	
BENCHMARK:	J 37
ELEVATION:	12.814' NGVD1929

US Army Corps of Engineers
New York District

Mark	Date	Description	Mark	Date	Description

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

DRAWN BY: ENGINEERING SECTION
CHECKED BY: SURVEY SECTION
REVIEWED BY: TECH. SUPPORT SECTION
Date: 1 APR 2005
Submittal no.: WR2005-06-8-0010
Contract no.:
Plot date: APR 2005
Plot by: SJR
Scale: 1" = 100'

Recommended by: CHIEF, TECHNICAL SUPPORT SECTION
Approved by: CHIEF, OPERATIONS SUPPORT BRANCH

MAINTENANCE DREDGING

ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

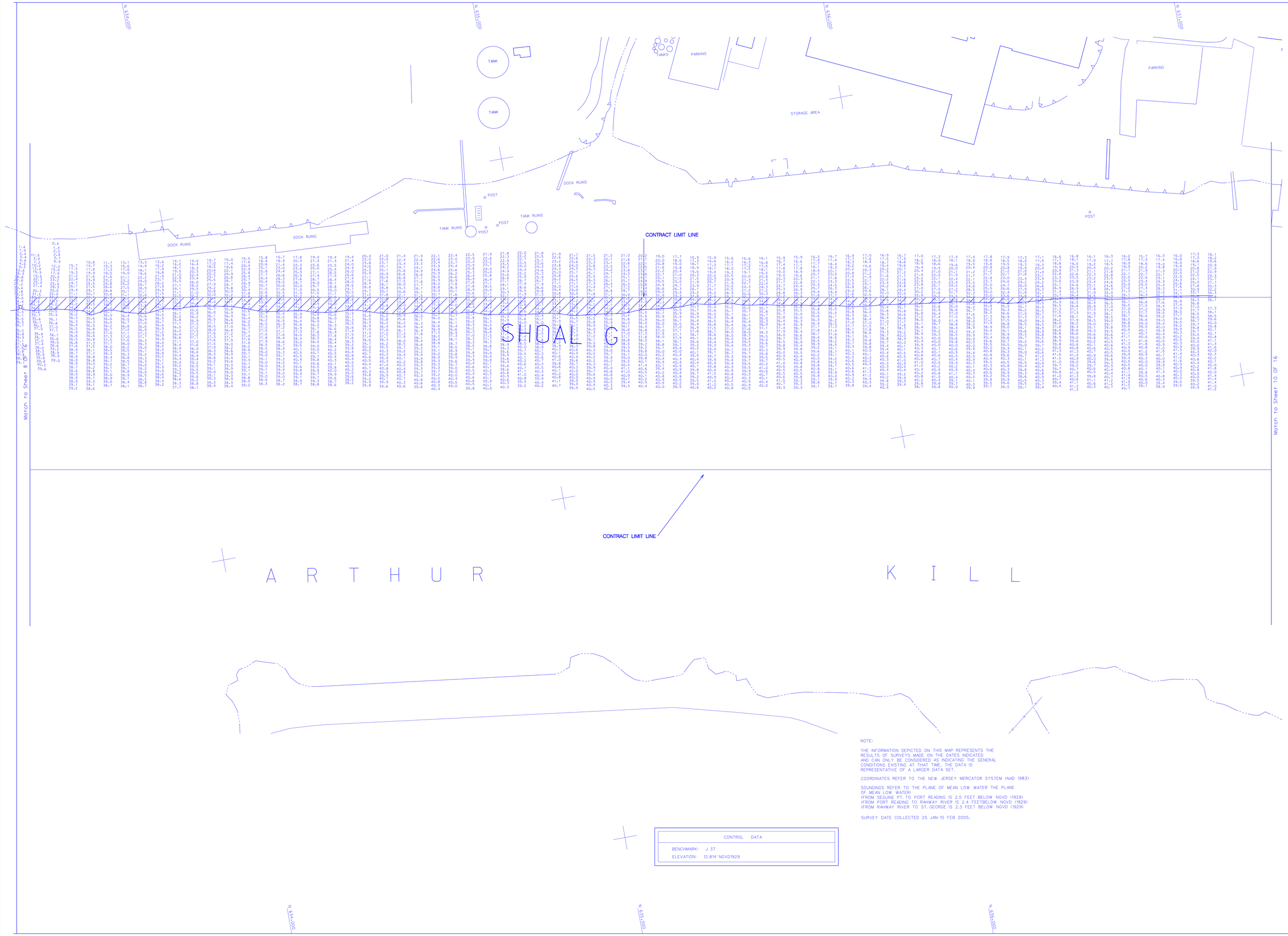
SOUNDINGS

Sheet reference number:

1267

SHEET 8 of 16

G:\FEDERAL PROJECT\NY & NJ CHT\ARTHUR KILL EBB\2005\BASE\07.DGN



NOTE:

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COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983)

SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER THE PLANE OF MEAN LOW WATER:
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(FROM PORT READING TO RAHWAY RIVER IS 2.4 FEETBELOW NGVD (1929)
(FROM RAHWAY RIVER TO ST. GEORGE IS 2.3 FEET BELOW NGVD (1929)

SURVEY DATE COLLECTED 25 JAN-10 FEB 2005.

CONTROL DATA
BENCHMARK: J 37
ELEVATION: 12.814' NGVD1929

US Army Corps of Engineers
New York District

Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Drawn by: SURVEY SECTION
Checked by: SURVEY SECTION
Reviewed by: TECH. SUPPORT SECTION
Recommended by: CHIEF, GEOTECHNICAL SUPPORT SECTION
Approved by: CHIEF, OPERATIONS SUPPORT BRANCH

Date: APR 2005
Solicitation no.: W912DS-05-B-0010
Contract no.:
Proj date: APR 2005
Plot by: S.LEE
Scale: 1"=100'

MAINTENANCE DREDGING

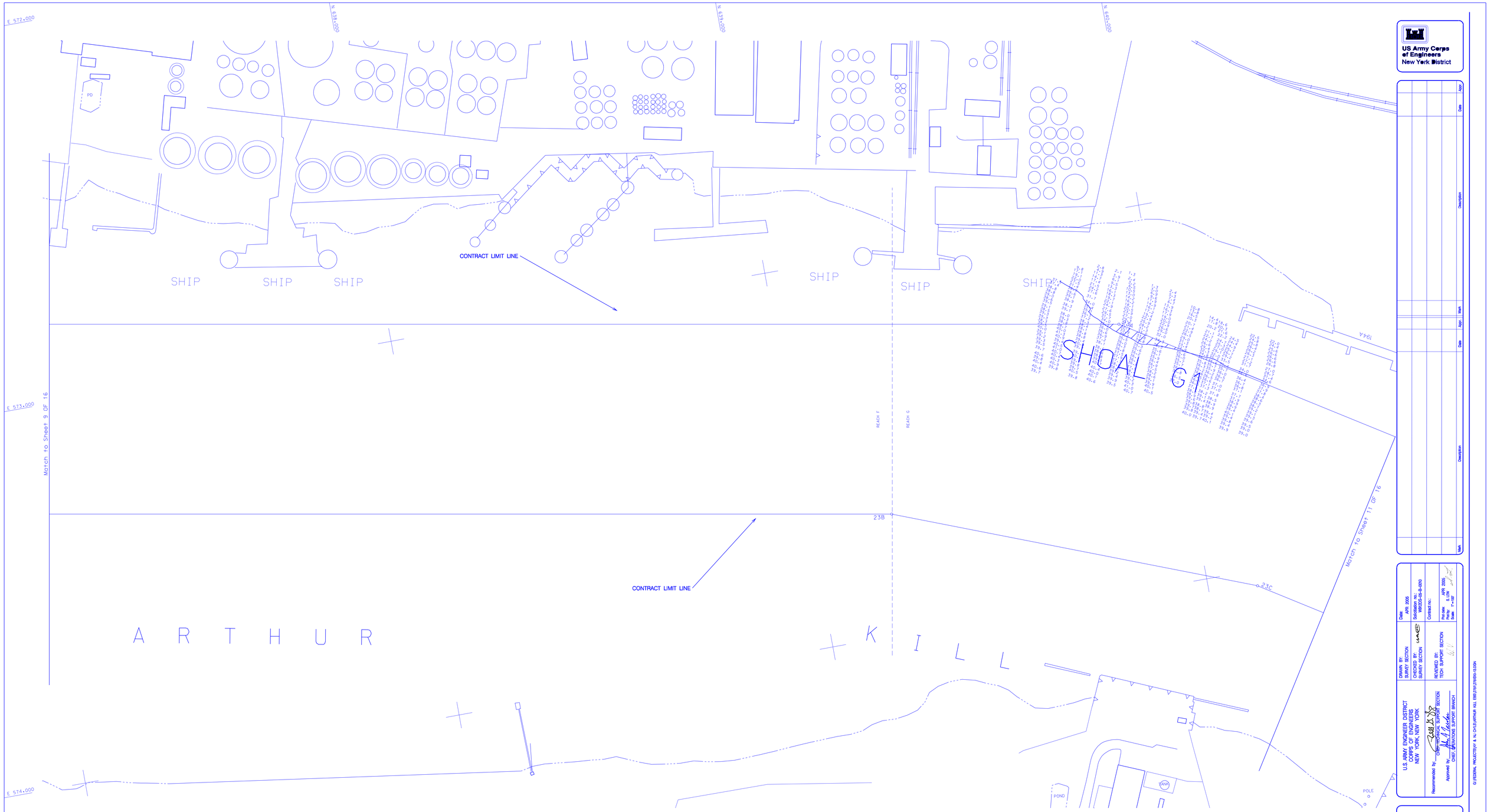
ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

SOUNDINGS

Sheet reference number:
1267
SHEET 9 of 16

G:\TESDPL PROJECT\NY & NJ CH\SUPERFUN KILL EBB\270\270SB8-10.DGN



NOTE:

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COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983)

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(FROM RAHWAY RIVER TO ST. GEORGE IS 2.3 FEET BELOW NGVD (1929)

THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING CLASS 1 SURVEY STANDARDS IN ACCORDANCE WITH EM 1110-2-1003.

SURVEY DATA COLLECTED 25 JAN-10 FEB 2005.

CONTROL DATA	
BENCHMARK:	J 37
ELEVATION:	12.814' NGVD1929

US Army Corps of Engineers
New York District

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Recommended by: CHIEF, SURVEY & MAPPING SECTION

Approved by: CHIEF, OPERATIONS SUPPORT BRANCH

DRAWN BY: SURVEY SECTION
CHECKED BY: SURVEY SECTION
REVIEWED BY: TECH. SUPPORT SECTION
Date: APR 2005
Contract no.: W912DQ-04-B-0010
Plot date: 8 APR 2005
Plot by: LSR
Scale: 1" = 50'

MAINTENANCE DREDGING

ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

SOUNDINGS

Sheet reference number:

1267

SHEET 10 of 16

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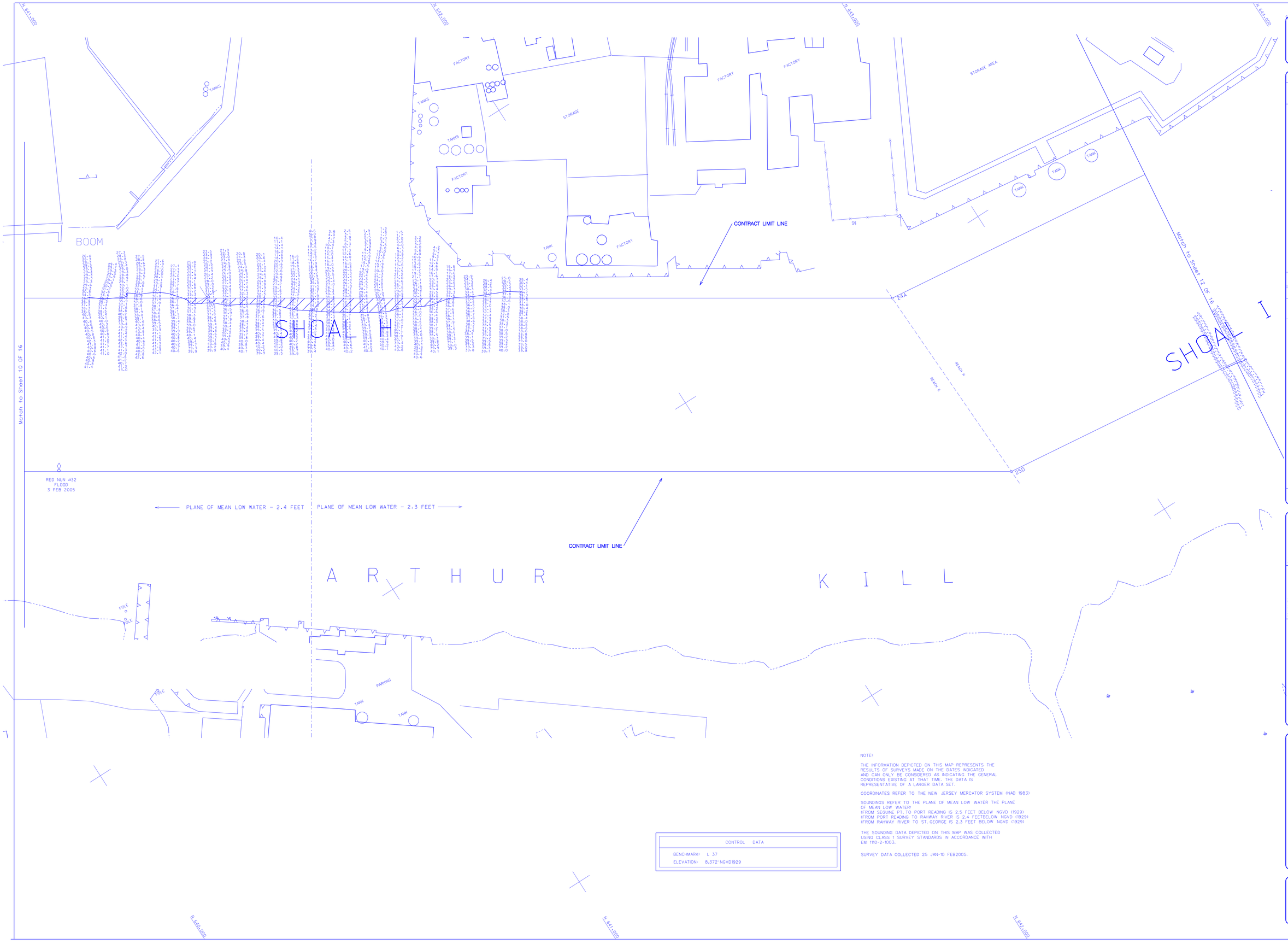
CORPS OF ENGINEERS

U. S. ARMY



CONTROL DATA	
BENCHMARK:	L 37
ELEVATION:	8.372' NGVD1929

NOTE:

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THE DATA IS REPRESENTATIVE OF A LARGER DATA SET.

COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983)

SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER THE PLANE OF MEAN LOW WATER:
(FROM SEGUNE PT. TO PORT READING IS 2.5 FEET BELOW NGVD (1929)
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(FROM RAHWAY RIVER TO ST. GEORGE IS 2.3 FEET BELOW NGVD (1929)

THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING CLASS 1 SURVEY STANDARDS IN ACCORDANCE WITH EM 1110-2-1003.

SURVEY DATA COLLECTED 25 JAN-10 FEB2005.

US Army Corps of Engineers
New York District

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

DRAWN BY: SURVEY SECTION
CHECKED BY: SURVEY SECTION
REVIEWED BY: TECH. SUPPORT SECTION
Date: APR 2005
Solicitation no.: W912DS-05-B-0010
Contract no.:
File name:
Plot by:
Scale: 1"=400'
APR 2005
S. LUM

Recommended by: CHIEF, TECHNICAL SUPPORT SECTION
Approved by: CHIEF, SURVEYING SUPPORT BRANCH

MAINTENANCE DREDGING

ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

SOUNDINGS

Sheet reference number:
1267
SHEET 11 of 16

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CONTROL DATA	
BENCHMARK:	L 37
ELEVATION:	8.372' NGVD1929

NOTE:

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THE DATA IS REPRESENTATIVE OF A LARGER DATA SET.

COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983)

SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER THE PLANE OF MEAN LOW WATER:
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THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING CLASS 1 SURVEY STANDARDS IN ACCORDANCE WITH EM 1110-2-1003.

SURVEY DATA COLLECTED 25 JAN-10 FEB 2005.

US Army Corps of Engineers
New York District

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

DRAWN BY: SURVEY SECTION
CHECKED BY: SURVEY SECTION
REVIEWED BY: TECH. SUPPORT SECTION
Recommended by: Chief, Survey Section
Approved by: Chief, Operations Support Branch

Date: APR. 2005
Solicitation no.: W912DS-05-B-0010
Contract no.:
Plot date: APR. 2005
Plot by: S. LAM
Scale: 1" = 00'

MAINTENANCE DREDGING

ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

SOUNDINGS

Sheet reference number:

1267

SHEET 12 of 16

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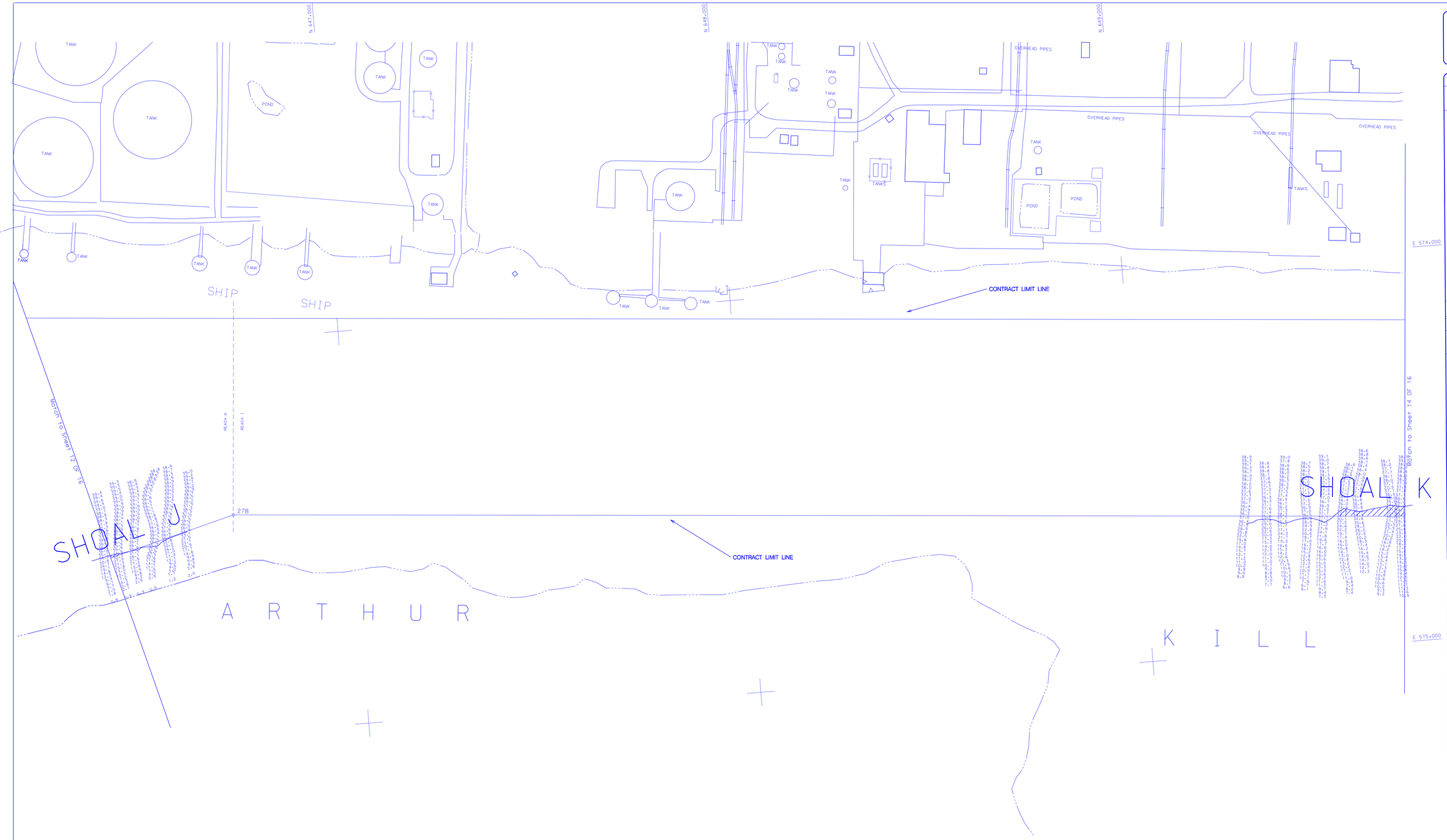

CONTROL DATA
BENCHMARK: L 37
ELEVATION: 8.372' NGVD1929

NOTE:

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THE DATA IS REPRESENTATIVE OF A LARGER DATA SET.

COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983)

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(FROM RAHWAY RIVER TO ST. GEORGE IS 2.3 FEET BELOW NGVD (1929)

SURVEY DATA COLLECTED 25 JAN-10 FEB 2005.

US Army Corps of Engineers
New York District

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS

DRAWN BY: SURVEY SECTION
CHECKED BY: SURVEY SECTION
REVIEWED BY: TECH. SUPPORT SECTION
Date: APR 2005
Solicitation no.: W912DS-06-B-0010
Contract no.:
Plot date: APR 2005
Plot by: S.LEW
Scale: 1" = 40'

Recommended by: CHIEF, TECHNICAL SUPPORT SECTION
Approved by: CHIEF, OPERATIONS SUPPORT BRANCH

MAINTENANCE DREDGING

ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

SOUNDINGS

Sheet reference number:
1267
SHEET 13 of 16

G:\FIELDPK, PROJECT\NY & NJ CH\ELIZ\ARTHUR KILL CB\2005\050508-MODIFY

NOTE:

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(FROM RAHWAY RIVER TO ST. GEORGE IS 2.3 FEET BELOW NGVD (1929)

SURVEY DATA COLLECTED 25 JAN-10 FEB 2005.

CONTROL DATA	
BENCHMARK:	L 37
ELEVATION:	8.372' NGVD1929

US Army Corps of Engineers
New York District

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Date: APR 2006
Solicitation no.: W912DS-05-B-0010
Contract no.:
DRAWN BY: SURVEY SECTION
CHECKED BY: SURVEY SECTION
Plot date: APR 2006
Plot by: S.LEW
Scale: 1" = 500'
REVIEWED BY: TECH. SUPPORT SECTION
Recommended by: CHIEF, TECHNICAL SUPPORT SECTION
Approved by: CHIEF, OPERATIONS SUPPORT BRANCH

MAINTENANCE DREDGING

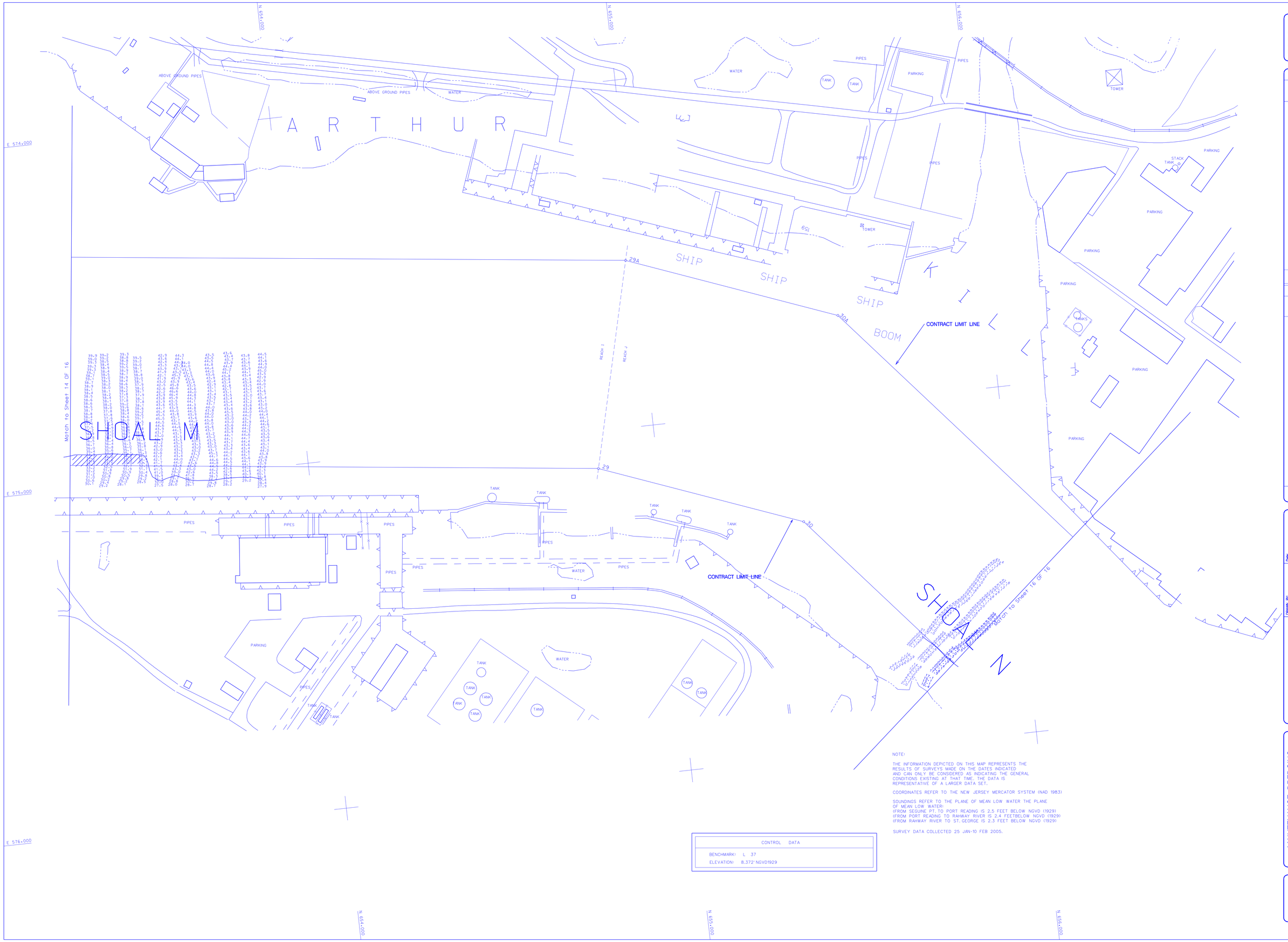
ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

SOUNDINGS

Sheet reference number:
1267
SHEET 14 of 16

G:\TZCENAL PROJECT\W & NJ CH\ELIZABETH\AR KILL EBB\2005\2005ch4-17.DGN



NOTE:

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(FROM PORT READING TO RAHWAY RIVER IS 2.4 FEETBELOW NGVD (1929)
(FROM RAHWAY RIVER TO ST. GEORGE IS 2.3 FEET BELOW NGVD (1929)

SURVEY DATA COLLECTED 25 JAN-10 FEB 2005.

CONTROL DATA	
BENCHMARK:	L 37
ELEVATION:	8.372' NGVD1929

US Army Corps of Engineers
New York District

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS

DRAWN BY: SURVEY SECTION
CHECKED BY: SURVEY SECTION

Date: APR 2005
Scale: 1:20
WRSP-06-0070
Contract no.:

REVIEWED BY: TECH SUPPORT SECTION

Plot date: APR 2005
Plot by: S. LEE
Scale: 1"=30'

Recommended by: CHIEF, TECHNICAL SUPPORT SECTION

Approved by: CHIEF, ENGINEERING SUPPORT BRANCH

MAINTENANCE DREDGING

ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

SOUNDINGS

Sheet reference number:

1267

SHEET 15 of 16

G:\FEDERAL PROJECT\NY & NJ CH\ELIZABETH\ARTHUR KILL EBB\2005\2005B-MAIN.

NOTE:

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THE DATA IS REPRESENTATIVE OF A LARGER DATA SET.

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(FROM RAHWAY RIVER TO ST. GEORGE IS 2.3 FEET BELOW NGVD (1929)

SURVEY DATA COLLECTED 25 JAN-10 FEB 2005.

CONTROL DATA	
BENCHMARK:	P 37
ELEVATION:	12.107' NGVD1929

US Army Corps of Engineers
New York District

Mark	Description	Date	App.	Mark	Description	Date	App.

Date: APR 2005
Solicitation no.: W912DS-05-B-0010
Contract no.:
Plot date: APR 2005
Plot by:
Scale: 1" = 100'

DRAWN BY: SURVEY SECTION
CHECKED BY: SURVEY SECTION
REVIEWED BY: TECH. SUPPORT SECTION

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Recommended by: CHIEF, HYDROGR. SUPPORT SECTION
Approved by: CHIEF, OPERATIONS SUPPORT BRANCH

MAINTENANCE DREDGING

ARTHUR KILL REACH

NEW YORK AND NEW JERSEY CHANNELS

SOUNDINGS

Sheet reference number:
1267
SHEET 16 of 16

G:\FEDERAL PROJECTS\N & NJ CH\SAR\AR KILL EB90\W912DS05-B-0010\