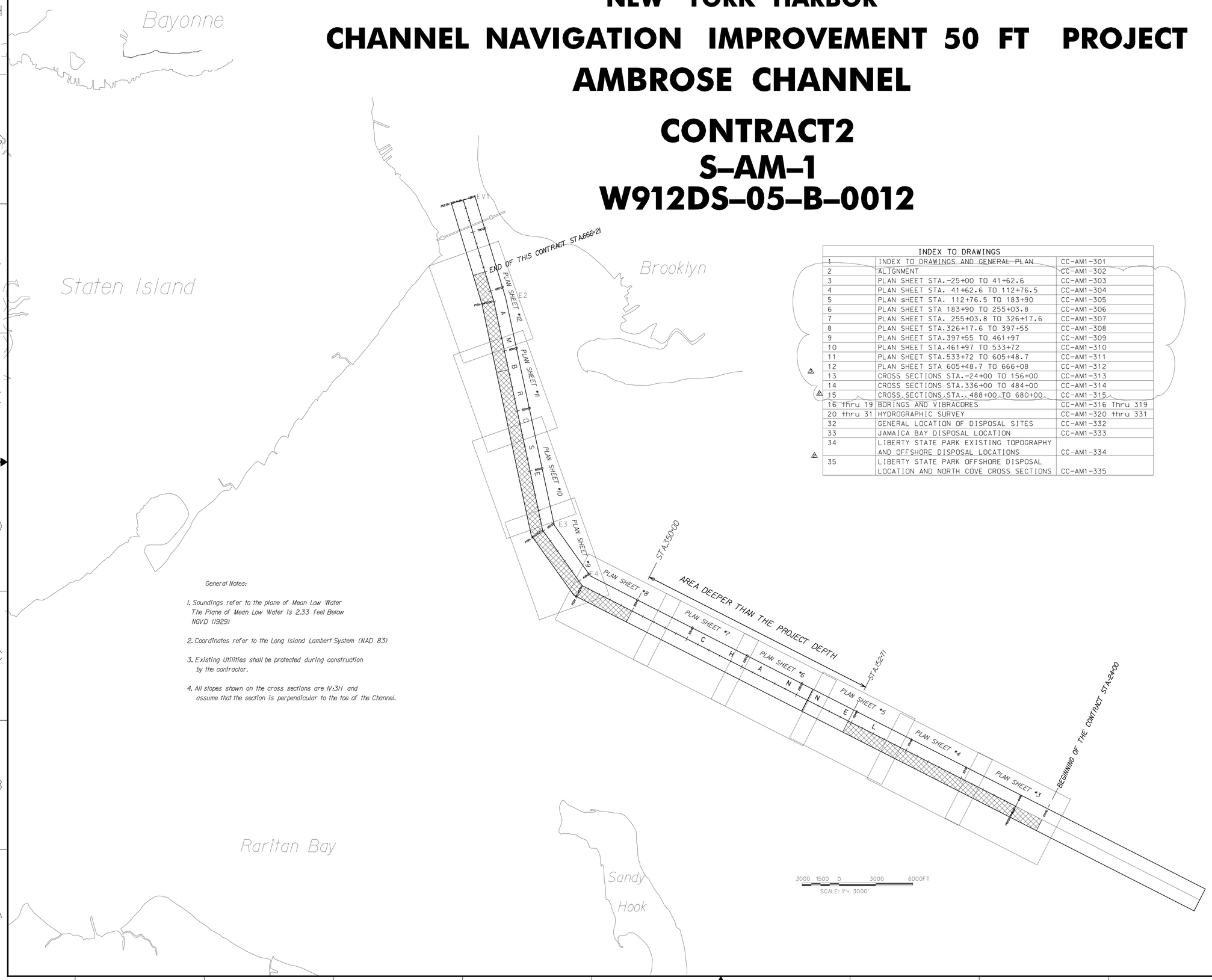
NEW YORK HARBOR
CHANNEL NAVIGATION IMPROVEMENT 50 FT PROJECT
AMBROSE CHANNEL

CONTRACT2
S–AM–1
W912DS–05–B–0012



General Notes:

1. Soundings refer to the plane of Mean Low Water The Plane of Mean Low Water Is 2.33 feet Below NGVD (1929)

2. Coordinates refer to the Long Island Lambert System (NAD 83)

3. Existing Utilities shall be protected during construction by the contractor.

4. All slopes shown on the cross sections are N:3H and assume that the section Is perpendicular to the toe of the Channel.

INDEX TO DRAWINGS

1	INDEX TO DRAWINGS AND GENERAL PLAN	CC-AM1-301
2	ALIGNMENT	CC-AM1-302
3	PLAN SHEET STA.-25+00 TO 41+62.6	CC-AM1-303
4	PLAN SHEET STA. 41+62.6 TO 112+76.5	CC-AM1-304
5	PLAN sHEET STA. 112+76.5 TO 183+90	CC-AM1-305
6	PLAN SHEET STA 183+90 TO 255+03.8	CC-AM1-306
7	PLAN SHEET STA. 255+03.8 TO 326+17.6	CC-AM1-307
8	PLAN SHEET STA.326+17.6 TO 397+55	CC-AM1-308
9	PLAN SHEET STA.397+55 TO 461+97	CC-AM1-309
10	PLAN SHEET STA.461+97 TO 533+72	CC-AM1-310
11	PLAN SHEET STA.533+72 TO 605+48.7	CC-AM1-311
12	PLAN SHEET STA 605+48.7 TO 666+08	CC-AM1-312
13	CROSS SECTIONS STA.-24+00 TO 156+00	CC-AM1-313
14	CROSS SECTIONS STA.336+00 TO 484+00	CC-AM1-314
15	CROSS SECTIONS STA. 488+00 TO 680+00	CC-AM1-315
16 thru 19	BORINGS AND VIBRACORES	CC-AM1-316 Thru 319
20 thru 31	HYDROGRAPHIC SURVEY	CC-AM1-320 thru 331
32	GENERAL LOCATION OF DISPOSAL SITES	CC-AM1-332
33	JAMAICA BAY DISPOSAL LOCATION	CC-AM1-333
34	LIBERTY STATE PARK EXISTING TOPOGRAPHY AND OFFSHORE DISPOSAL LOCATIONS	CC-AM1-334
35	LIBERTY STATE PARK OFFSHORE DISPOSAL LOCATION AND NORTH COVE CROSS SECTIONS	CC-AM1-335

US Army Corps of Engineers
New York District

Symbol	Description	Date	App.
A	Revised Plan sheets No.3,4,5,6,8,9,10,11,12 and cross sections sheet No.13,14 and15	8/8/05	G.A.
B	Sheet C-33 and C-34 are eliminated and sheet numbers are renumbered accordingly 1 thru 35, and Alignment Data sheet All Plan Sheets and Cross sections sheets are revised.	7/19/05	G.A.

Designed by: Assigg3
Checked by:
Dwn by: G.A
Ckd by:
Reviewed by: G.A
Submitted by:
Size: D
Rev:
Date: 13MAY 2005
Drawing file no.: CC-AM1-301
Drawing code:
Plot date: 09-AUG-2005 11:13
Plot by: eSendga3
Plot scale: 30000000/00000
File name: S:\Navigation\Ambrose\Cont\Ambrose Channel\amb_gen.dgn

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

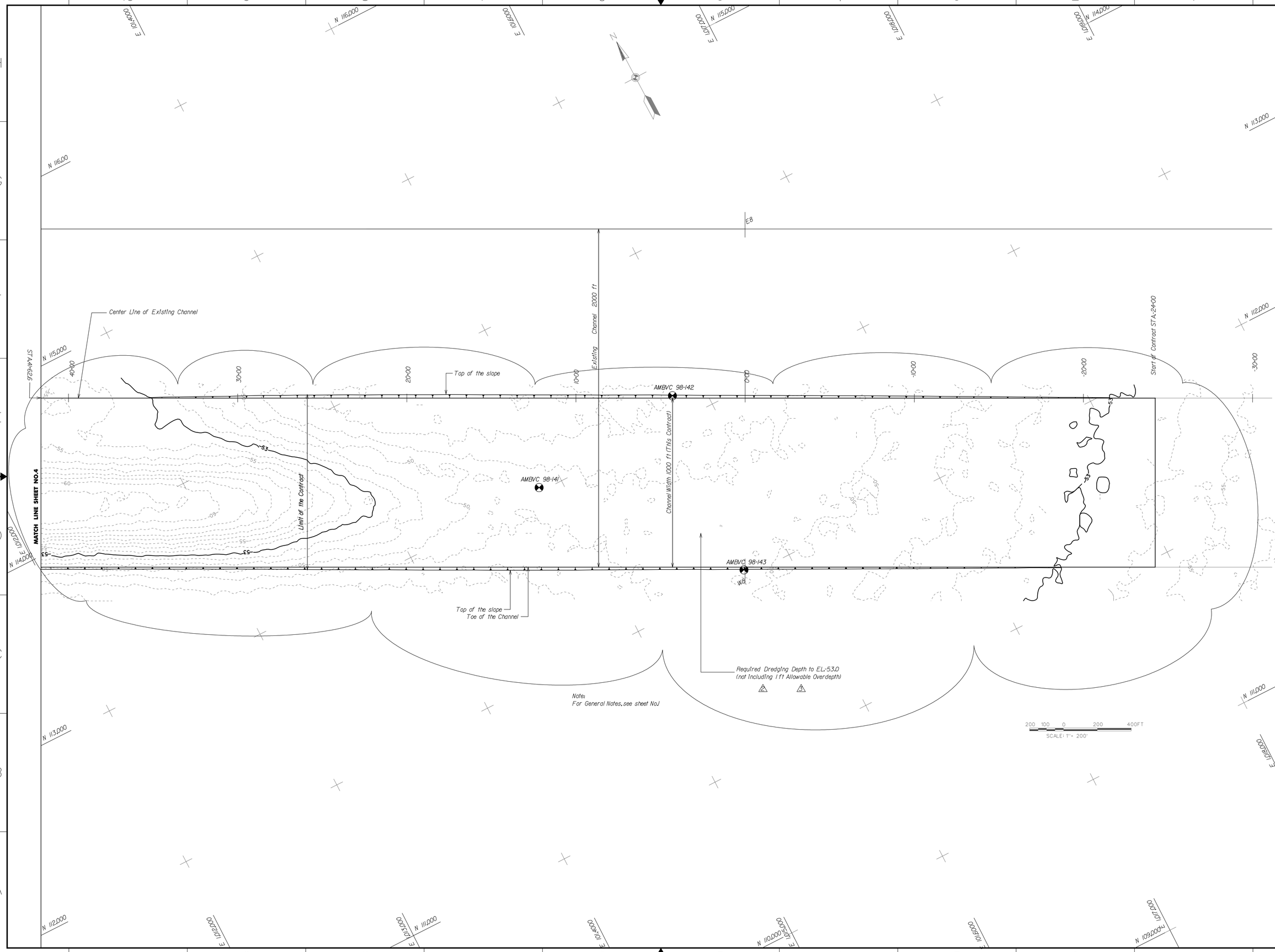
W912DS-05-B-0012

NEW YORK HARBOR
CHANNEL NAVIGATION IMPROVEMENT 50 FT PROJECT
AMBROSE CHANNEL
CONTRACT 2
S-AM-1

COVER SHEET,GENERAL PLAN AND INDEX TO DRAWINGS

Sheet reference number:
C-1
Sheet 1 of 35

Plot Date: 09-AUG-2005 11:13
Submitted by: eSendga3
S:\Navigation\Ambrose\Cont\Ambrose Channel\amb_gen.dgn



US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
2	Replaced Allowable overdepth and side slope	2/8/05	G.A.
1	Replaced Allowable overdepth	1/19/05	G.A.

Designed by: Geotechnical Assigd		Date: JANUARY 2005	Size:	Rev.:
Dwn by: GA	Ckd by:	Drawing file no.: CC-AM4-003		
Reviewed by: G.A.		Drawing code:		
Submitted by:		Plot date: 08-AUG-2005 11:13 Plot by: eDenigo3 Scale: 1(V)X200(H)X0000		

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

W912DS-05-B-0012

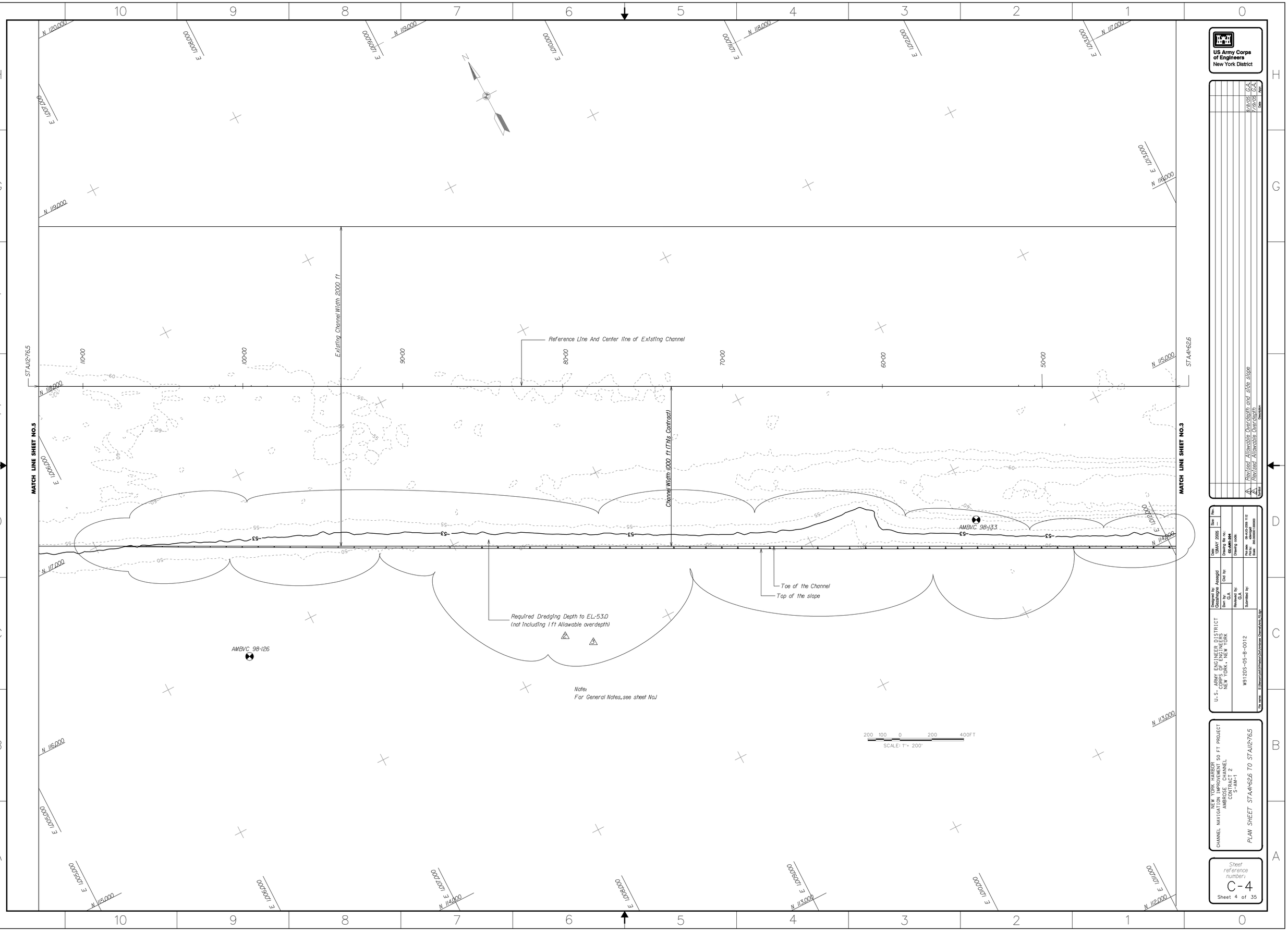
File name: S:\Micro\Joint\Whitehor\Ch\Ambrose Channel\ams_01.dgn

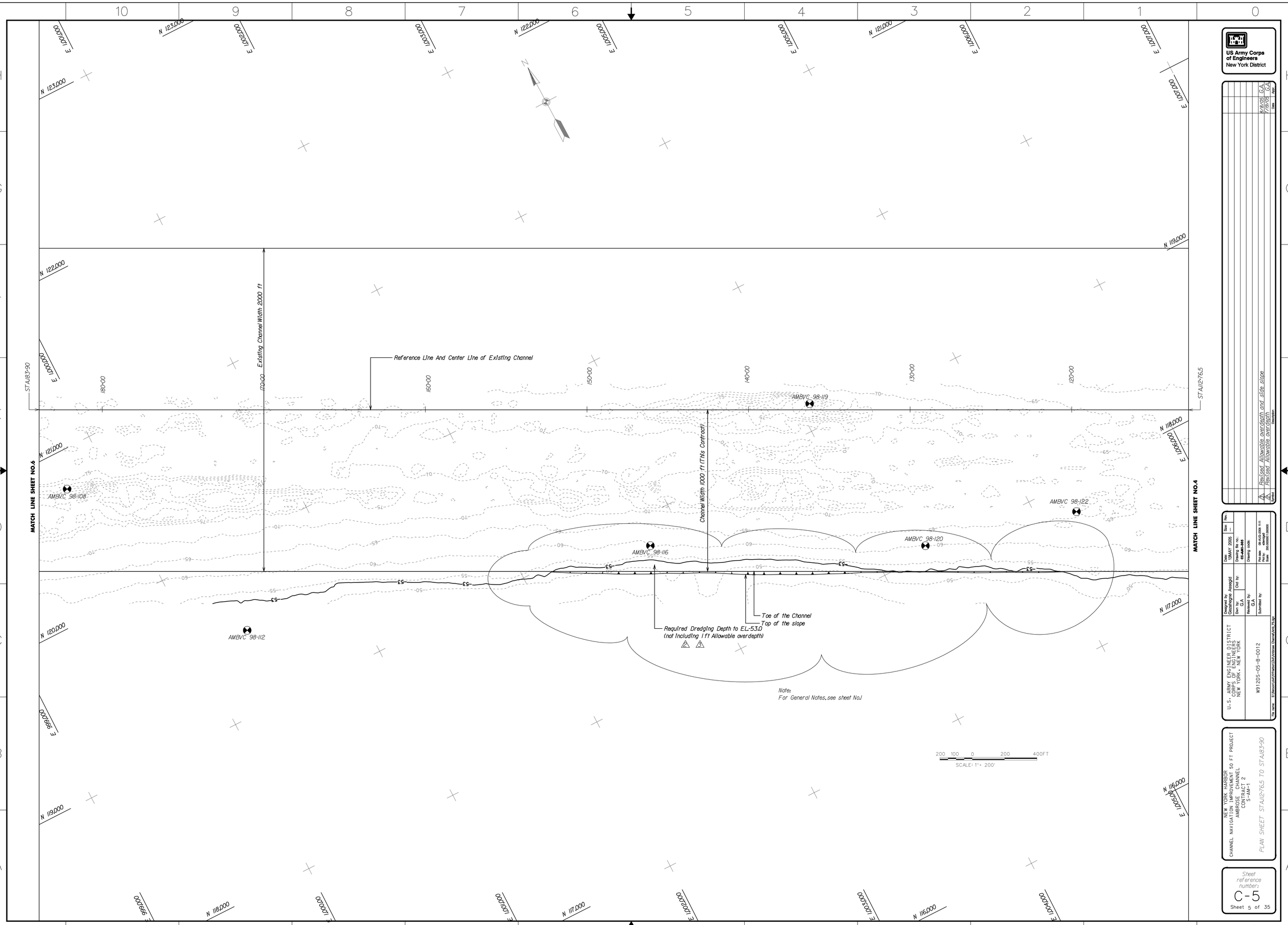
NEW YORK HARBOR
CHANNEL NAVIGATION IMPROVEMENT 50 FT PROJECT
AMBROSE CHANNEL
CONTRACT 2
S-AM-1

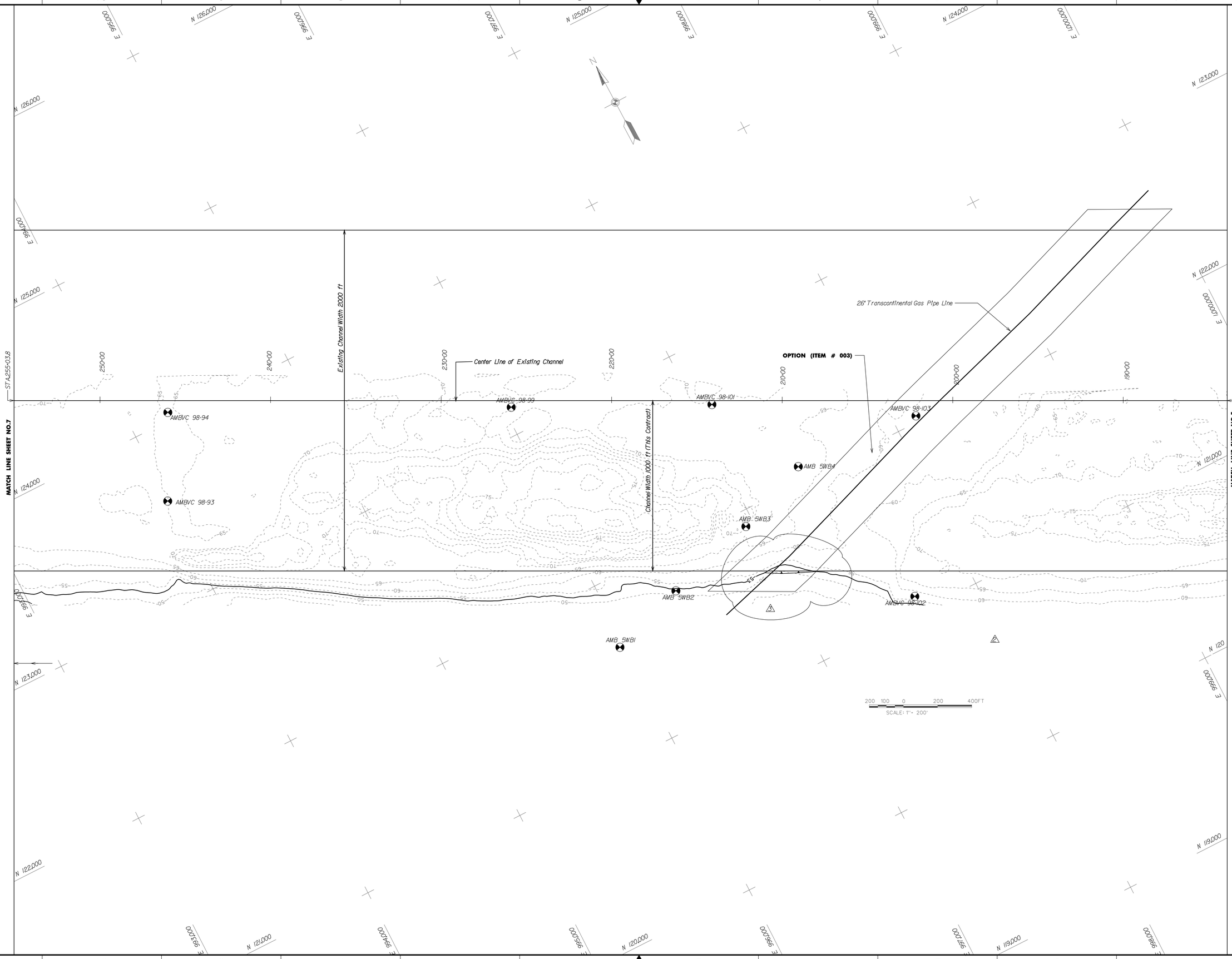
PLAN SHEET STA.-24+248 TO STA.4+626

Sheet reference number:
C-3
Sheet 3 of 35

Submitted by: eDenigo03
Sy:Micro\Joint\Whitehor\Ch\Ambrose Channel\Ams_01.dgn
Plot Date: 08-AUG-2005 11:13


MATCH LINE SHEET NO.5
MATCH LINE SHEET NO.3
STA4U2+76.5
STA4+62.6
Existing Channel Width 2000 ft
Channel Width 1000 ft (This Contract)
Reference Line And Center line of Existing Channel
Required Dredging Depth to EL.-53.0
(not including 1 ft Allowable overdepth)
Toe of the Channel
Top of the slope
AMBVC 98-126
AMBVC 98-133
Note:
For General Notes, see sheet No1
SCALE: 1"= 200'
US Army Corps of Engineers
New York District
Revised Allowable Overdepth and side slope
Revised Allowable Overdepth
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK
W912DS-05-B-0012
NEW YORK HARBOR
CHANNEL NAVIGATION IMPROVEMENTS 50 FT PROJECT
AMBROSE CHANNEL
CONTRACT 2
S-AM-1
PLAN SHEET STA4+62.6 TO STA12+76.5
Sheet reference number:
C-4
Sheet 4 of 35


MATCH LINE SHEET NO.6
MATCH LINE SHEET NO.4
STA183+90
STA112+76.5
Existing Channel Width 2000 ft
Channel Width 1000 ft (This Contract)
Reference Line And Center Line of Existing Channel
AMBVC 98-108
AMBVC 98-112
AMBVC 98-116
AMBVC 98-119
AMBVC 98-120
AMBVC 98-122
Required Dredging Depth to EL-53.0
(not Including 1 ft Allowable overdepth)
Toe of the Channel
Top of the slope
Note:
For General Notes, see sheet No.1
SCALE: 1" = 200'
US Army Corps of Engineers
New York District
Revised Allowable overdepth and side slope
Revised Allowable overdepth
Date: 8/18/05 C.A.
Date: 7/19/05 C.A.
Date: DMAY 2005
Size:
Rev:
Designed by: Geographic Assegid
Dwn by: G.A
Ckd by:
Reviewed by:
Submitted by:
Drawing file no.: CC-AM1-093
Drawing code:
Plot date: 08-AUG-2005 11:11
Plot by: adongoh
Site: 0000000100000
File name: S:\Manager\Jeff\Harbor\Civil\Ambrose Channel\Ana_03.dgn
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK
W912DS-05-B-0012
NEW YORK HARBOR
CHANNEL NAVIGATION IMPROVEMENTS 50 FT PROJECT
AMBROSE CHANNEL
CONTRACT 2
S-AM-1
PLAN SHEET STA112+76.5 TO STA183+90
Sheet reference number:
C-5
Sheet 5 of 35
Submitted by: eJenkgo3
S:\Manager\Jeff\Harbor\Civil\Ambrose Channel\Ana_03.dgn
Plot Date: 08-AUG-2005 11:11



US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
2	Revised Allowable Overdepth and Required Dredging Depth This area is deeper than Required Dredging Depth including 1 ft allowable overdepth	8/18/05	G.A.
1	Revised Allowable Overdepth	7/19/04	G.A.

Designed by: Consultant Assigd
Dwn by: G.A
Ckd by:
Reviewed by: G.A
Submitted by:
Date: USMAY 2005
Size:
Rev:
Drawing file no.: CC-NAN-095
Drawing code:
Plot date: 08-AUG-2005 11:10
Plot by: ebenigsh
File name: S:\Mission\Civil\Hydraulic\Civil\Ambrose Channel\Ambr_P4.dgn

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

W912DS-05-B-0012

NEW YORK HARBOR
CHANNEL NAVIGATION WIDENING 50 FT PROJECT
AMBROSE CHANNEL
CONTRACT 2
S-AM-1

PLAN SHEET STA183+90 TO STA255+03.8

Sheet reference number:
C-6
Sheet 6 of 35

Submitted by: ebenigsh
S:\Mission\Civil\Hydraulic\Civil\Ambrose Channel\Ambr_P4.dgn
Plot Date: 08-AUG-2005 11:10
Plot By: ebenigsh

Note:
For General Notes see sheet No.1

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	Revised Allowable Overdepth and side slope	8/18/05	G.A.
2	Revised Allowable Overdepth	7/19/06	G.A.

Designed by: Dominique Assegid
Dwn by: G.A
Ckd by:
Reviewed by: G.A
Submitted by:
Date: JANUARY 2005
Size:
Rev:
Drawing file no.: CC-AM1-309
Drawing code:
Plot date: 08-AUG-2005 11:08
Plot by: eDendogd
Date: 20050808000000
File name: S:\Division\Civil\Projects\CivilAmbrose Channel\Area_P1.dgn

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

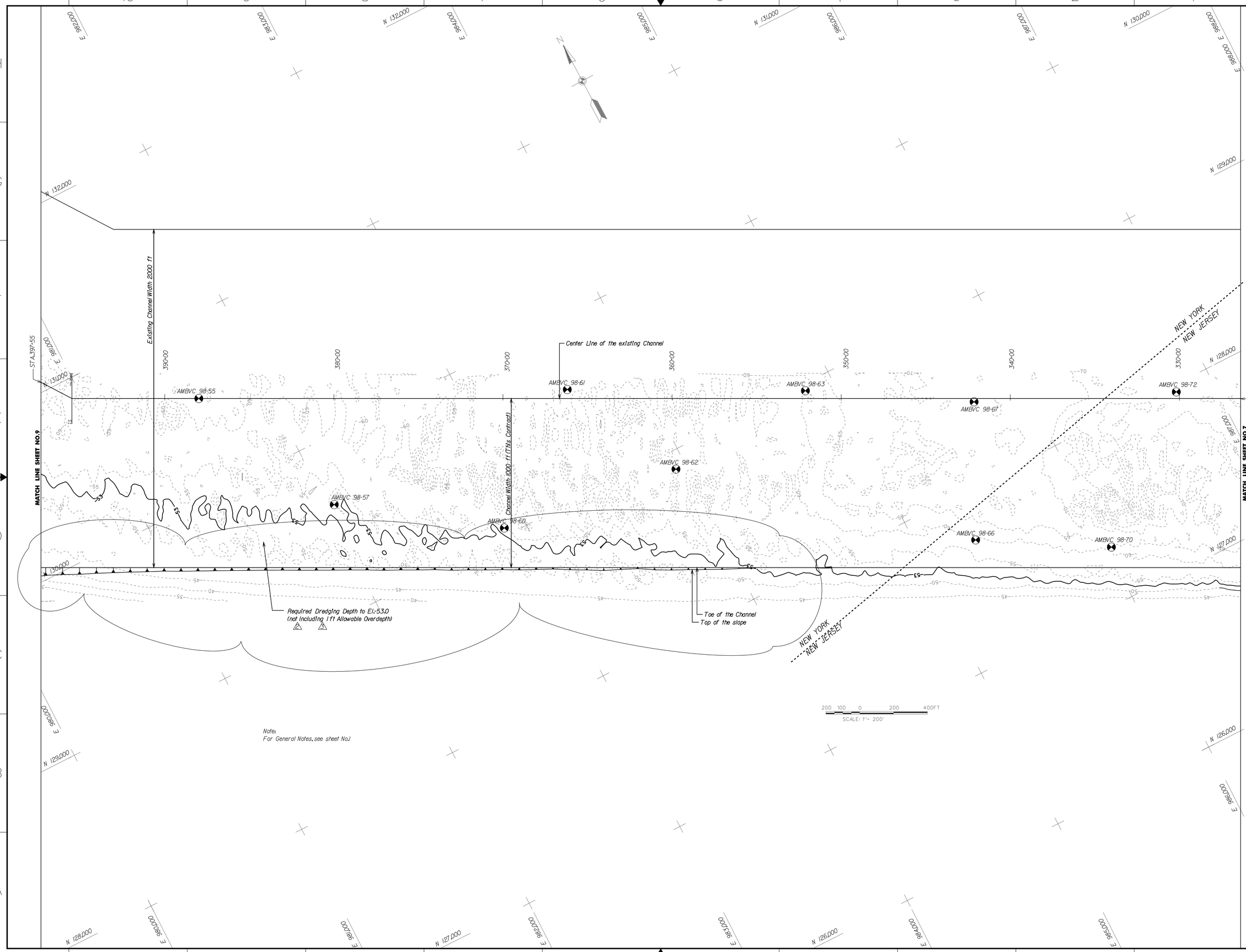
W912DS-05-B-0012

NEW YORK HARBOR
CHANNEL NAVIGATION IMPROVEMENT 50 FT PROJECT
AMBROSE CHANNEL
CONTRACT 2
S-AM-1

PLAN SHEET STA.397+55 TO STA.461+97

Sheet reference number:
C-9
Sheet 9 of 35

Submitted by: eDendogd3
Plot Date: 08-AUG-2005 11:08
S:\Division\Civil\Projects\CivilAmbrose Channel\Area_P1.dgn



US Army Corps of Engineers
New York District

Rev.	Description	Date	Appr.
2	Revised Allowable Overdepth and side slope	8/8/05	G.A.
1	Revised Allowable Overdepth	7/19/05	G.A.

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

W912DS-05-B-0012

Designed by: Assaggai
Drawn by: G.A.
Checked by:
Reviewed by: G.A.
Submitted by:

Date: 13 MAY 2005
Drawing file no.: CC-AMI-S08
Drawing code:
Plot date: 08-AUG-2005 11:08
Plot by: edenigo3
Size: 1
Rev.: 2

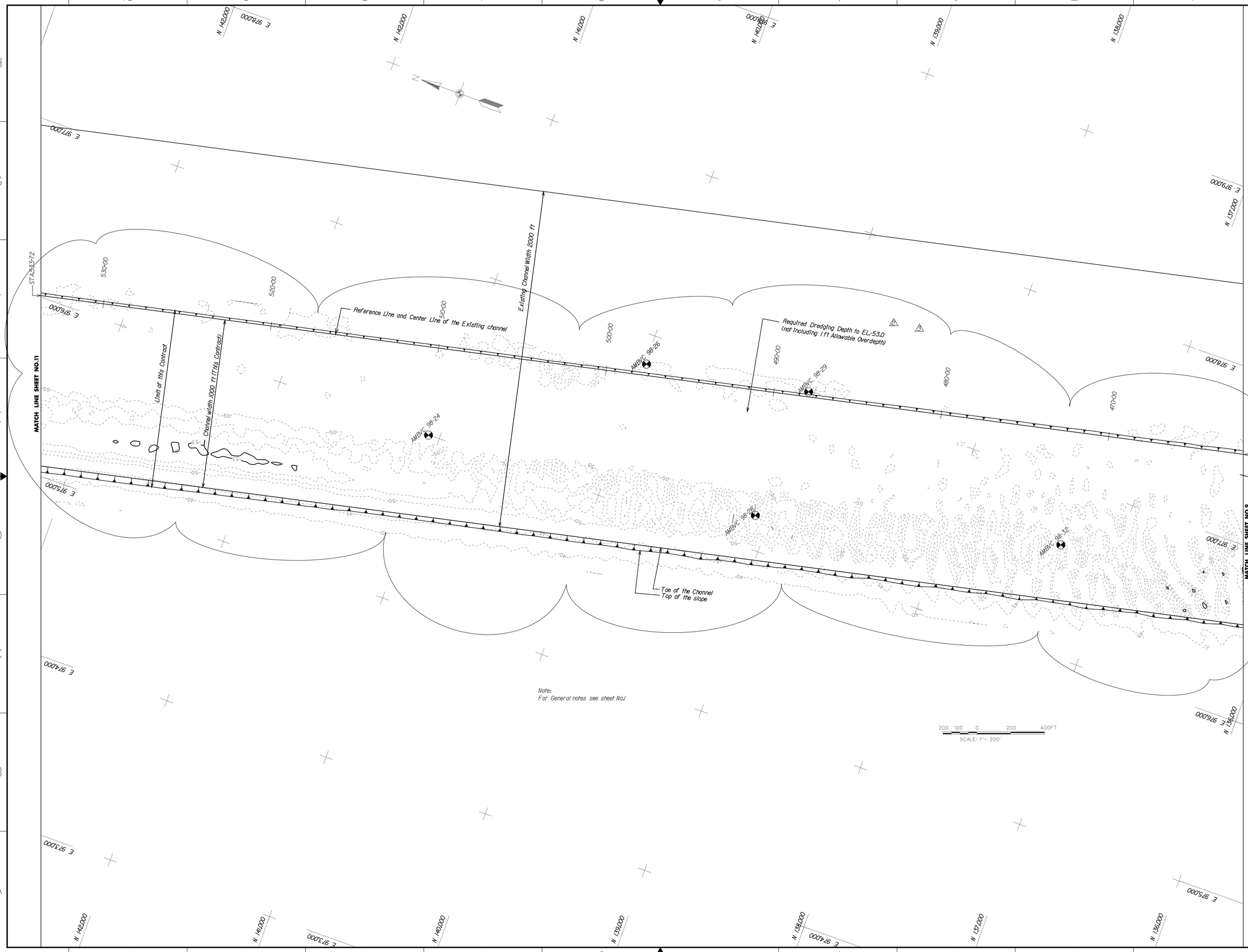
File name: S:\Navcon\cad\Architect\Dwt\Arthur Channel\Arth_P8.dgn

NEW YORK HARBOR
CHANNEL NAVIGATION IMPROVEMENTS 50 FT PROJECT
AMBROSE CHANNEL
CONTRACT 2
S-AM-1

PLAN SHEET STA326+17.7 TO STA397+55

Sheet reference number:
C-8
Sheet 8 of 35

Submitted by: edenigo3
Plot Date: 08-AUG-2005 11:09
S:\Arthur-Kill\Arthur-Kill\Ambrose Channel\Arth_P8.dgn



US Army Corps of Engineers
New York District

Symb.	Description	Date	Appr.
1	Revised Allowable Overdepth and side slope	8/8/05	G.A.
2	Revised Allowable Overdepth	7/19/05	G.A.

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

W912DS-05-B-0012

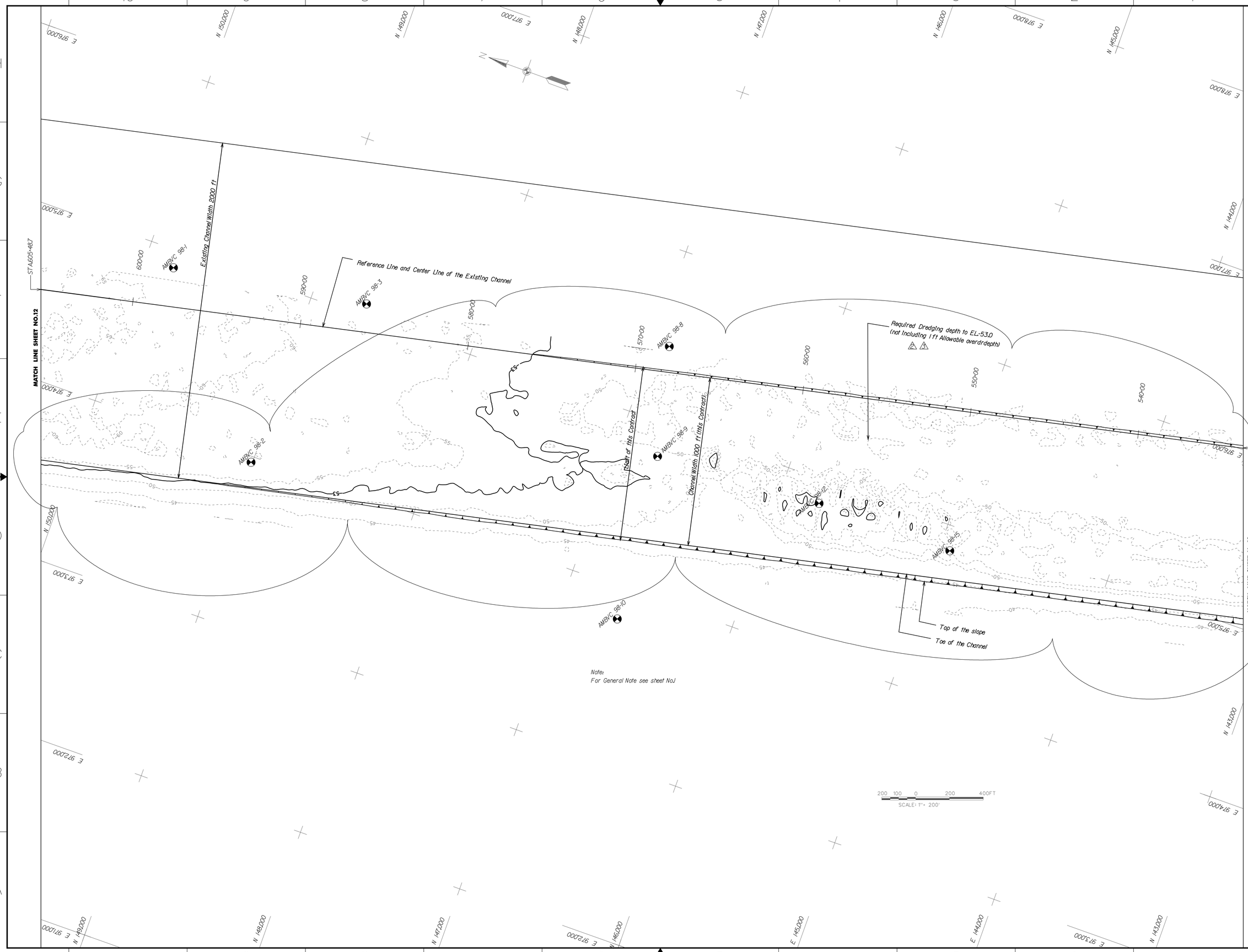
Designed by: Assigned Designer
Dwn by: G.A.
Ckd by:
Reviewed by: G.A.
Submitted by:
Date: MAY 2005
Scale: 1"=200'
Rev. 1
Drawing file no.: CC-AM1-310
Drawing code:
Plot date: 08-AUG-2005 11:07
Plot by: eberrigan
Path: S:\Navigation\Architect\Contract\Ambrose Channel\Amb_PB.dgn

CHANNEL NAVIGATION IMPROVEMENT 50 FT PROJECT
NEW YORK HARBOR
AMBROSE CHANNEL
CONTRACT 2
S-AM-1

PLAN SHEET STA.461+97 TO STA.533+72

Sheet reference number:
C-10
Sheet 10 of 35

Submitted by: eberrigan
Plot Date: 08-AUG-2005 11:07
S:\Navigation\Architect\Contract\Ambrose Channel\Amb_PB.dgn



US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
2	Revised Allowable Overdepth and side slope	8/18/05	C.A.
1	Revised Allowable Overdepth	7/19/05	C.A.

Designed by: Designer Assigned
Dwn by: G.A.
Ckd by:
Reviewed by: G.A.
Submitted by:
Size:
Rev:
Date: 13MAY 2005
Drawing file no.: CC-AM1-311
Drawing code:
Plot date: 08-AUG-2005 11:06
Plot by: ebenigs3
Scale: 1"=200'-0"/1000'-0"
File name: S:\Mission\Navigation\Civil\Arcinfo\ Channel\Arcinfo PB.dgn

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

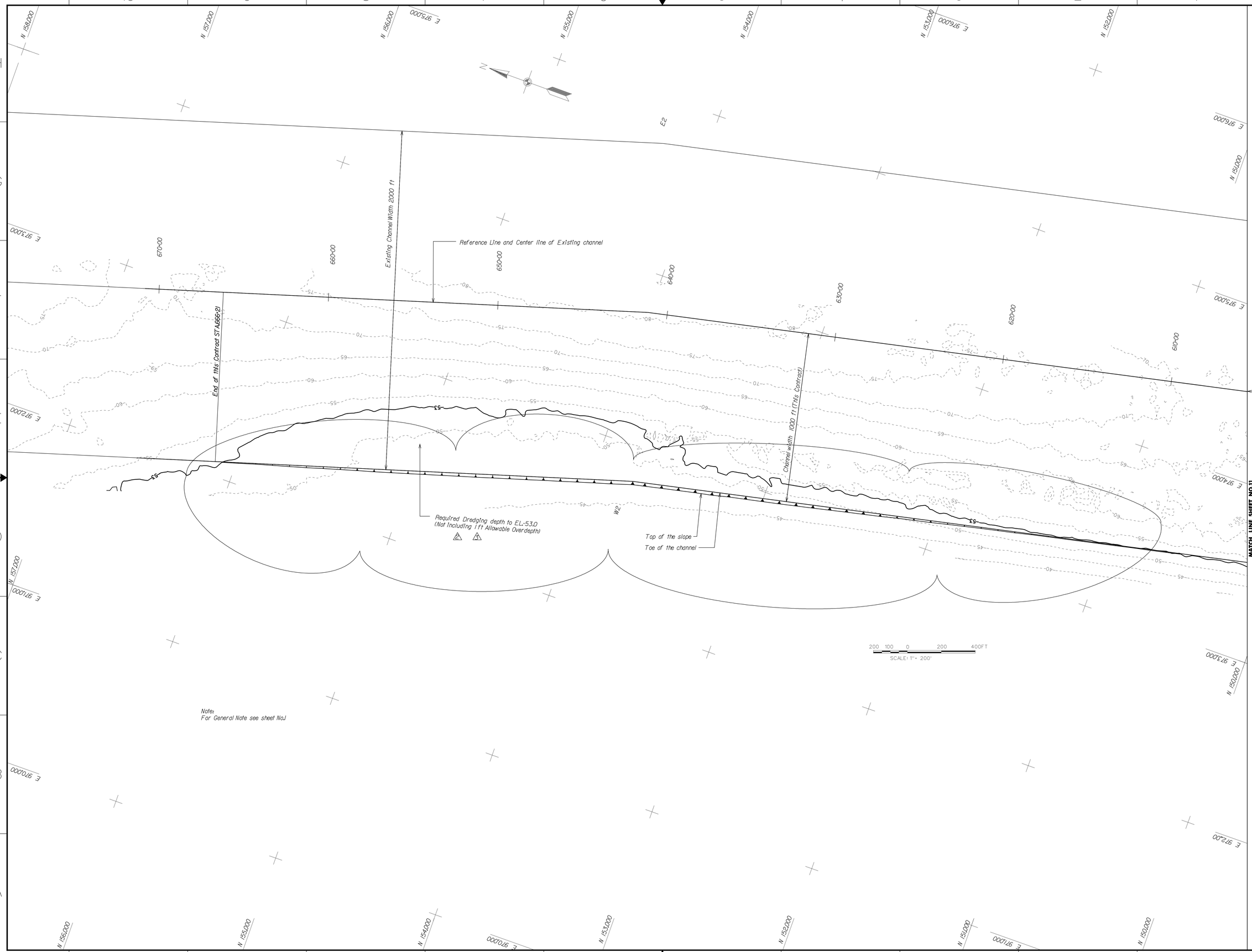
W912DS-05-B-0012

NEW YORK HARBOR
CHANNEL NAVIGATION IMPROVEMENT 50 FT PROJECT
AMBROSE CHANNEL
CONTRACT 2
S-AM-1

PLAN SHEET ST A533+72 TO ST A605+48.7

Sheet reference number:
C-11
Sheet 11 of 35

Submitted by: ebenigs3
S:\Files\cad\Civil\NY\Navigation\Ambrose\Contract2\Arcinfo\Arcinfo PB.dgn
Plot Date: 08-AUG-2005 11:06



US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
2	Revised Allowable Overdepth and side slope	2/18/05	G.A.
1	Revised Allowable Overdepth	7/08/05	G.A.

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

Designed by: Assigned
Checked by:
Dwn by: G.A
Ckd by:
Reviewed by: G.A.
Submitted by:

Date: 13 MAY 2005
Size: I
Rev.
Drawing file no.: CC-AM1-312
Drawing code:
Plot date: 08-AUG-2005 11:05
Plot by: ebendgal
Plotter: 300DPIBW.pc3
File name: S:\Benson\pd\Architect\Cad\Ambrose Channel\Amb_P10.dgn

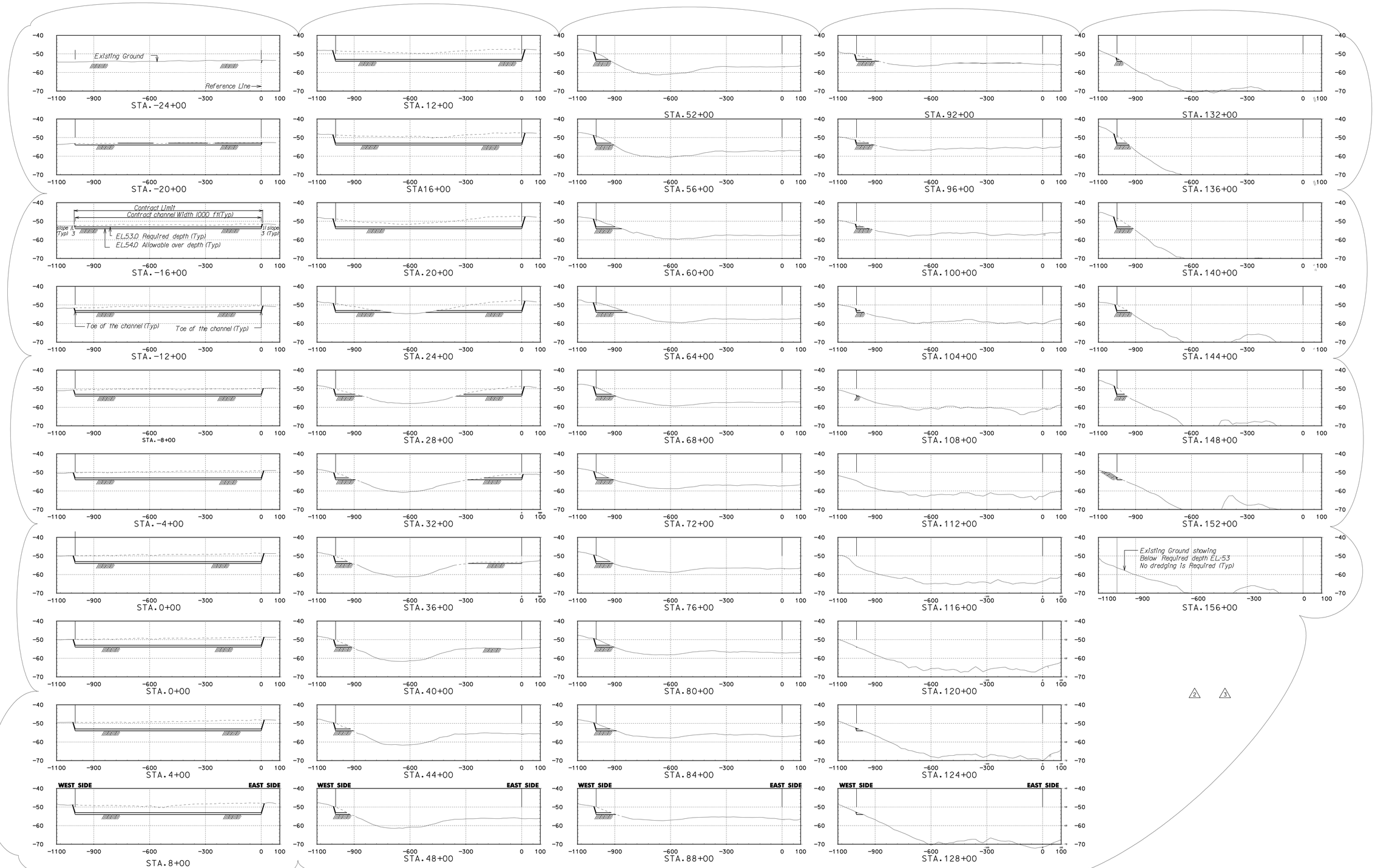
W912DS-05-B-0012

NEW YORK HARBOR
NAVIGATION IMPROVEMENT 50 FT PROJECT
AMBROSE CHANNEL
CONTRACT 2
S-AM-1

PLAN SHEET STA605+48.7 TO STA666+00

Sheet reference number:
C-12
Sheet 12 of 35

Submitted by: ebendgal3
Plot Date: 08-AUG-2005 11:05



LEGEND

Undisturbed Earth

Note:
For General Notes ,see sheet No1

HORIZONTAL SCALE: 1"= 200'
VERTICAL SCALE: 1"= 20'

US Army Corps of Engineers
New York District

Rev.	Description	Date	Appr.
2	Allowable Overdepth is Revised to 1.5 ft and upgrad allowable 5 ft overdepth is eliminated.	7/19/06	G.A.
1	Allowable Overdepth is Revised to 1.5 ft overdepth is revised to EL-55.0	8/8/05	G.A.

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

W912DS-05-B-0012

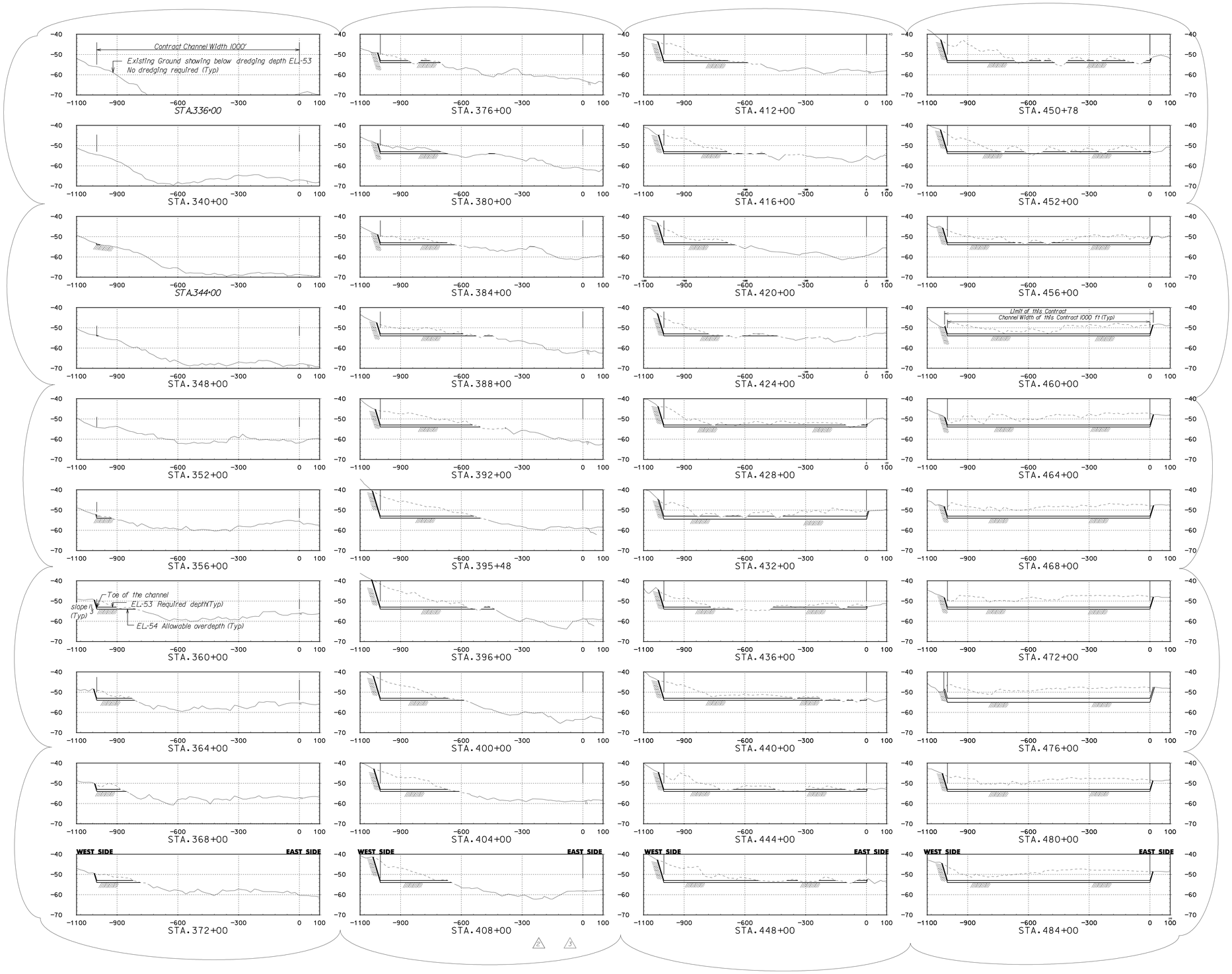
Designed by: Consultant Assigd
Dwn by: G.A
Ckd by:
Reviewed by: G.A
Submitted by:
Date: 15MAY 2006
Drawing file no.: 02-048-253
Drawing code:
Plot date: 08-AUG-2006 11:04
Plot by: ddonigan
Size:
Rev.:
File name: S:\Microstation\Hinterior\Ambrose Channel.dgn, Lo.dgn

NEW YORK HARBOR
CHANNEL NAVIGATION IMPROVEMENT 50 FT PROJECT
AMBROSE CHANNEL
CONTRACT 2
S-AM-1

CROSS SECTIONS STA.-24+00 TO STA.156+00

Sheet reference number:
C-13
Sheet 13 of 35

Submitted by: eDenigo3
S:\Hinterior\ccs\Utilities\Hinterior\Utility\Ambrose Channel\Ambrose Channel.dgn
Plot Date: 08-AUG-2006 11:04



LEGEND

Undisturbed Earth

200 100 0 200 400FT

HORIZONTAL SCALE SCALE: 1"= 200'

20 10 0 20 40FT

VERTICAL SCALE: 1"= 20'

Note:
For General Notes ,see sheet No1

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
2	Allowable overdepth is Revised to EL-54 (typical maximum 5 ft) allowable overdepth is Eliminated.	8-10-05	G.A.
3	Allowable overdepth is Revised to EL-44.5 and (typical maximum 5 ft) allowable overdepth is revised to EL-55.0	1-19-06	G.A.

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

W912DS-05-B-0012

Designed by: Assigd3
Dwn by: G.A.
Ckd by:
Reviewed by: G.A.
Submitted by:

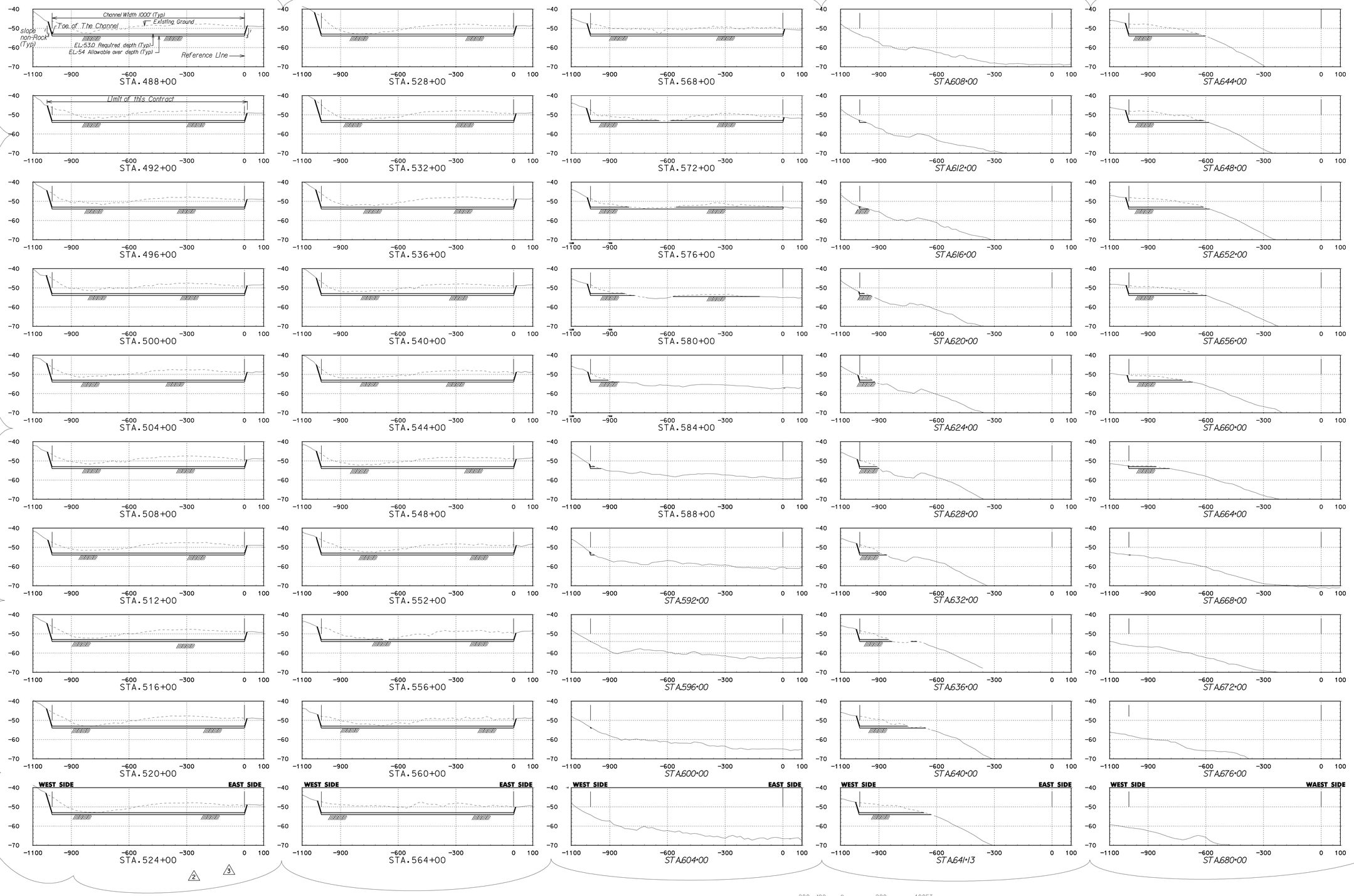
Date: 13 MAY 2005
Size: 1
Rev.:
Drawing file no.: 02-048-004
Drawing code:
Plot date: 09-AUG-2005 11:04
File for: 200_NYNJHBR\100000
Plot by:
File name: S:\Benson\arl\Harbor\Cad\Ambrose Channel\arl3-X-C.dgn

NEW YORK HARBOR
CHANNEL NAVIGATION IMPROVEMENT 50 FT PROJECT
AMBROSE CHANNEL
CONTRACT 2
S-AM-1

CROSS SECTIONS STA336+00 TO STA484+00

Sheet reference number:
C-14
Sheet 14 of 35

Submitted by: eBenson3
Plot Date: 08-AUG-2005 11:04
S:\Office\Spec\Civil\Harbor\Cad\Ambrose Channel\arl3-X-C.dgn



LEGEND

Undisturbed

Notes:
For General Notes, see sheet No1

HORIZONTAL SCALE: 1" = 200'

VERTICAL SCALE: 1" = 20'

US Army Corps of Engineers
New York District

Description	Date	Appr.
2 Allowable overdepth is revised to EL-54 and Maximum L.S. Flowpoint allowable overdepth is eliminated.	8/8/05	G.A.
1 Allowable overdepth is revised to EL-54.5 and Maximum L.S. Flowpoint allowable overdepth is revised to EL-55.0	7/19/05	G.A.

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

W912DS-05-B-0012

Designed by: Assaggd
Dwn by: G.A.
Ckd by:
Reviewed by: G.A.
Submitted by:
Date: 15MAY 2005
Size: I
Rev.
Drawing file no.: CC-AM-S15
Drawing code:
Plot date: 08-AUG-2005 11:03
Plot by: ebenaga3
Scale: 200/100/0/200/400/0/20/40

File name: S:\Navcon\cad\Ambrose\Dwg\Ambrose Channel\amb_XC.dgn

NEW YORK HARBOR
ANTHONY WAYNE 1500 FT PROJECT
CHANNEL NAVIGATION IMPROVEMENTS
AMBROSE CHANNEL
CONTRACT 2
S-AM-1

CROSS SECTIONS STA488+00 TO STA680+00

Sheet reference number:
C-15
Sheet 15 of 35

Submitted by: ebenaga3
S:\Navcon\cad\Ambrose\Ambrose Channel\amb_XC.dgn

Plot Date: 08-AUG-2005 11:03