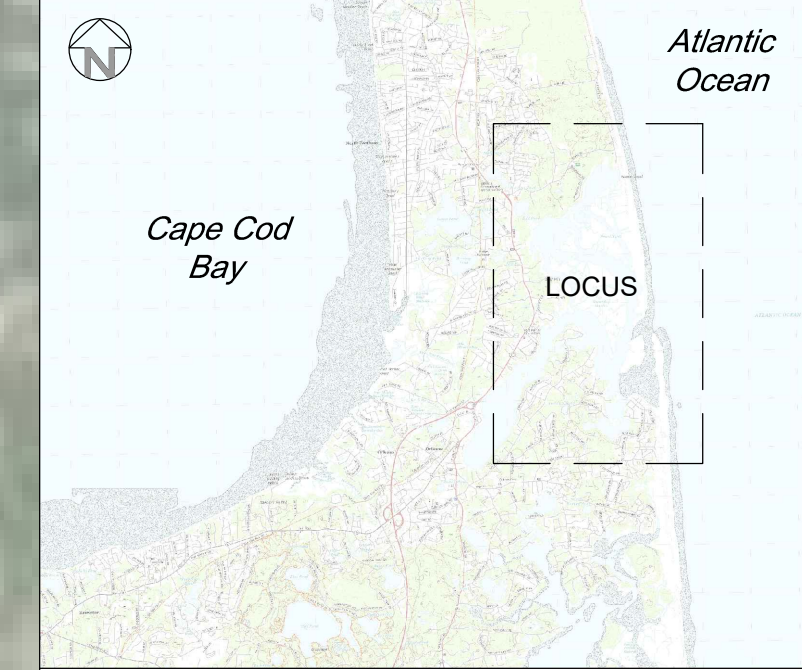
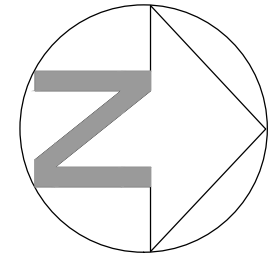
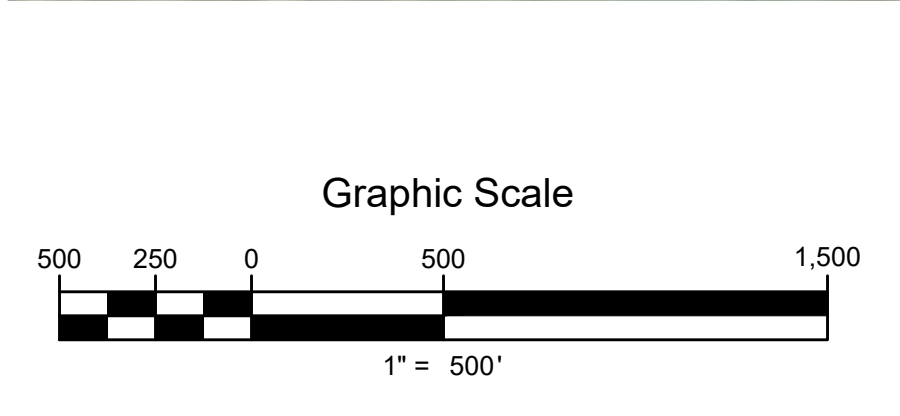


Note:
1. Aerial image provided by Bing Maps.



Location Map Not to Scale

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

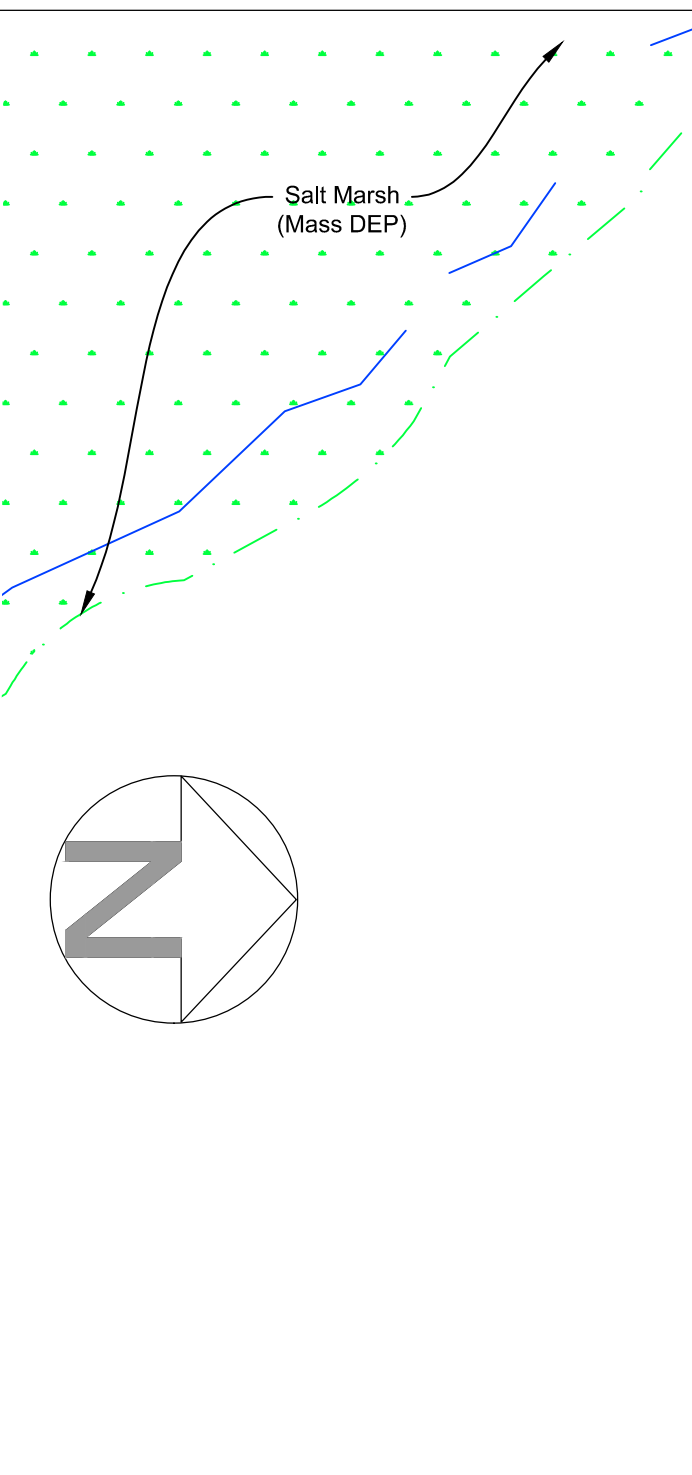


| Revisions | Date |
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Nauset Estuary Dredging Project
for Towns of Orleans and Eastham, MA

Project Number: 2015-0121-04
Dwg File: 2015-0121_Base
Scale: 1" = 500'
Date: April 19, 2021
Approved:
Drawn: JRK

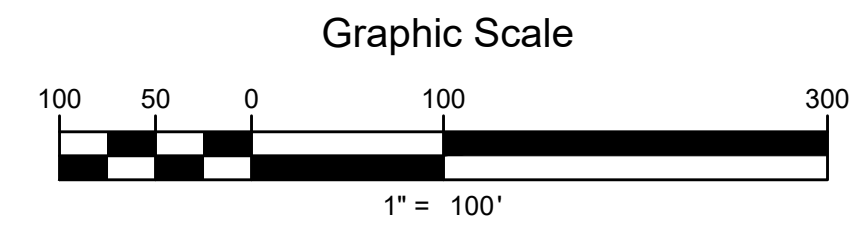
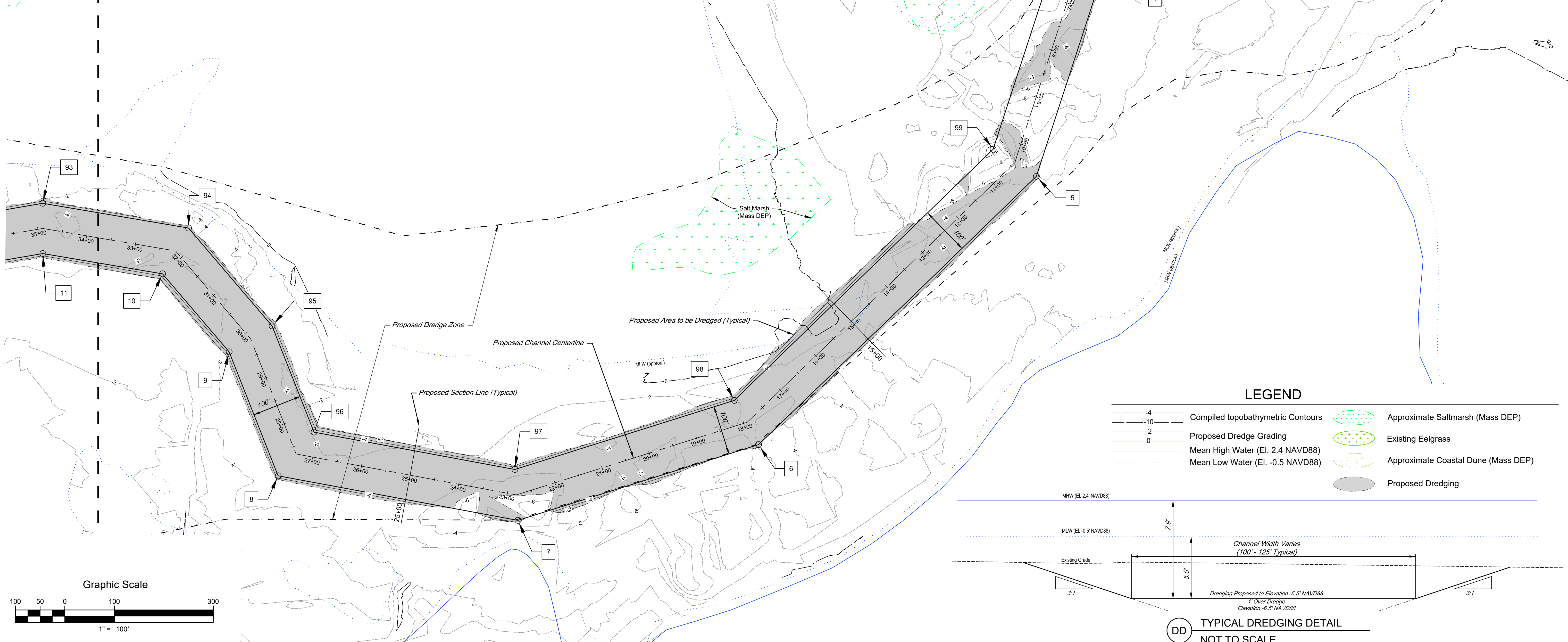
| Dredge Coordinates | | | Dredge Coordinates | | | Dredge Coordinates | | | Dredge Coordinates | | |
|--------------------|-----------|-----------|--------------------|-----------|-----------|--------------------|-----------|-----------|--------------------|-----------|-----------|
| Point | Northing | Easting | Point | Northing | Easting | Point | Northing | Easting | Point | Northing | Easting |
| 1 | 2,766,314 | 1,078,842 | 28 | 2,757,613 | 1,078,599 | 55 | 2,761,392 | 1,075,676 | 82 | 2,760,075 | 1,078,034 |
| 2 | 2,766,292 | 1,078,862 | 29 | 2,757,494 | 1,078,781 | 56 | 2,760,480 | 1,074,889 | 83 | 2,759,311 | 1,079,119 |
| 3 | 2,766,094 | 1,079,078 | 30 | 2,757,233 | 1,079,284 | 57 | 2,760,035 | 1,074,545 | 84 | 2,759,756 | 1,079,662 |
| 4 | 2,765,948 | 1,079,303 | 31 | 2,756,652 | 1,080,574 | 58 | 2,759,135 | 1,074,515 | 85 | 2,760,087 | 1,080,016 |
| 5 | 2,765,813 | 1,079,716 | 32 | 2,756,606 | 1,080,553 | 59 | 2,758,564 | 1,074,434 | 86 | 2,760,229 | 1,080,096 |
| 6 | 2,765,252 | 1,080,259 | 33 | 2,756,787 | 1,080,151 | 60 | 2,758,064 | 1,074,291 | 87 | 2,760,451 | 1,080,273 |
| 7 | 2,764,766 | 1,080,411 | 34 | 2,755,749 | 1,079,692 | 61 | 2,757,845 | 1,074,019 | 88 | 2,761,520 | 1,080,760 |
| 8 | 2,764,281 | 1,080,321 | 35 | 2,755,324 | 1,079,608 | 62 | 2,757,740 | 1,073,779 | 89 | 2,762,292 | 1,080,721 |
| 9 | 2,764,182 | 1,080,071 | 36 | 2,754,354 | 1,079,820 | 63 | 2,757,904 | 1,073,392 | 90 | 2,762,728 | 1,080,525 |
| 10 | 2,764,048 | 1,079,913 | 37 | 2,754,344 | 1,079,771 | 64 | 2,757,974 | 1,072,916 | 91 | 2,763,089 | 1,080,048 |
| 11 | 2,763,805 | 1,079,872 | 38 | 2,753,323 | 1,079,557 | 65 | 2,757,801 | 1,072,602 | 92 | 2,763,372 | 1,079,845 |
| 12 | 2,763,412 | 1,079,940 | 39 | 2,753,764 | 1,079,644 | 66 | 2,755,721 | 1,071,775 | 93 | 2,763,805 | 1,079,771 |
| 13 | 2,763,160 | 1,080,120 | 40 | 2,756,808 | 1,080,105 | 67 | 2,755,739 | 1,071,729 | 94 | 2,764,100 | 1,079,821 |
| 14 | 2,762,792 | 1,080,606 | 41 | 2,757,188 | 1,079,262 | 68 | 2,757,837 | 1,072,563 | 95 | 2,764,269 | 1,080,019 |
| 15 | 2,762,316 | 1,080,820 | 42 | 2,757,451 | 1,078,756 | 69 | 2,758,026 | 1,072,906 | 96 | 2,764,354 | 1,080,233 |
| 16 | 2,761,501 | 1,080,862 | 43 | 2,757,574 | 1,078,568 | 70 | 2,757,953 | 1,073,406 | 97 | 2,764,759 | 1,080,309 |
| 17 | 2,760,399 | 1,080,359 | 44 | 2,757,853 | 1,078,280 | 71 | 2,757,794 | 1,073,779 | 98 | 2,765,203 | 1,080,169 |
| 18 | 2,760,167 | 1,080,175 | 45 | 2,758,087 | 1,078,155 | 72 | 2,757,888 | 1,073,993 | 99 | 2,765,726 | 1,079,662 |
| 19 | 2,759,719 | 1,079,695 | 46 | 2,758,454 | 1,078,091 | 73 | 2,758,093 | 1,074,247 | 100 | 2,765,857 | 1,079,260 |
| 20 | 2,759,249 | 1,079,121 | 47 | 2,759,012 | 1,078,127 | 74 | 2,758,574 | 1,074,385 | 101 | 2,766,015 | 1,079,017 |
| 21 | 2,759,753 | 1,078,404 | 48 | 2,759,255 | 1,078,181 | 75 | 2,759,140 | 1,074,465 | 102 | 2,766,222 | 1,078,791 |
| 22 | 2,759,418 | 1,078,299 | 49 | 2,759,435 | 1,078,252 | 76 | 2,760,053 | 1,074,496 | 103 | 2,766,247 | 1,078,768 |
| 23 | 2,759,240 | 1,078,229 | 50 | 2,759,783 | 1,078,361 | 77 | 2,760,512 | 1,074,851 | | | |
| 24 | 2,759,005 | 1,078,177 | 51 | 2,760,037 | 1,078,001 | 78 | 2,761,439 | 1,075,650 | | | |
| 25 | 2,758,457 | 1,078,141 | 52 | 2,760,669 | 1,077,393 | 79 | 2,761,503 | 1,076,183 | | | |
| 26 | 2,758,103 | 1,078,203 | 53 | 2,761,267 | 1,076,879 | 80 | 2,761,312 | 1,076,906 | | | |
| 27 | 2,757,884 | 1,078,320 | 54 | 2,761,452 | 1,076,179 | 81 | 2,760,703 | 1,077,430 | | | |



Survey Note:
 1. Bathymetric surveys were conducted on November 23 & 25, 2015 by Hydro Data, Inc., and on October 22, 2018, November 20, 2018, and February 10, 2021 by Woods Hole Group.
 2. Bathymetric contours are in feet relative to NAVD88.
 3. The compiled bathymetric contours depicted on these plans represent results of the surveys made on the dates indicated and are representative of existing conditions at the time.

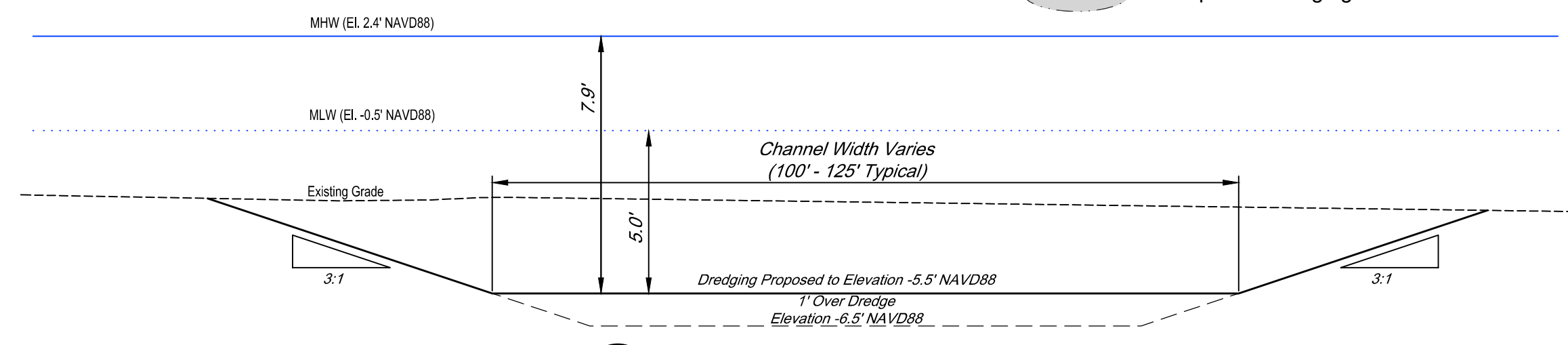
Dredging Notes:
 1. Proposed channel width varies as shown on the plans. The channel is to be dredged to -5.50' NAVD88 (-5' MLW).
 2. The total proposed dredge volume is 103,920 cy.
 3. Future maintenance dredge volumes will be determined by the amount of shoaling.

Page 3



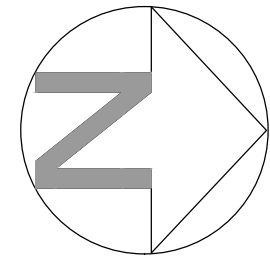
LEGEND

| | | | |
|--|-----------------------------------|--|-------------------------------------|
| | Compiled topobathymetric Contours | | Approximate Saltmarsh (Mass DEP) |
| | Proposed Dredge Grading | | Existing Eelgrass |
| | Mean High Water (El. 2.4 NAVD88) | | Approximate Coastal Dune (Mass DEP) |
| | Mean Low Water (El. -0.5 NAVD88) | | Proposed Dredging |



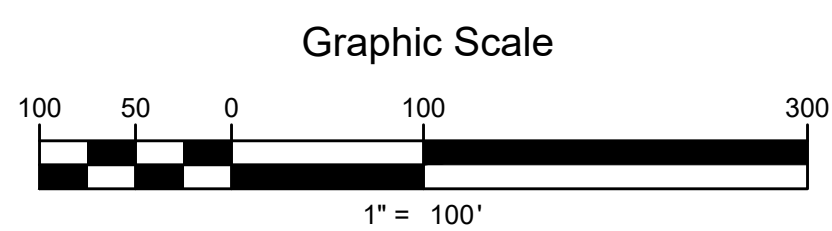
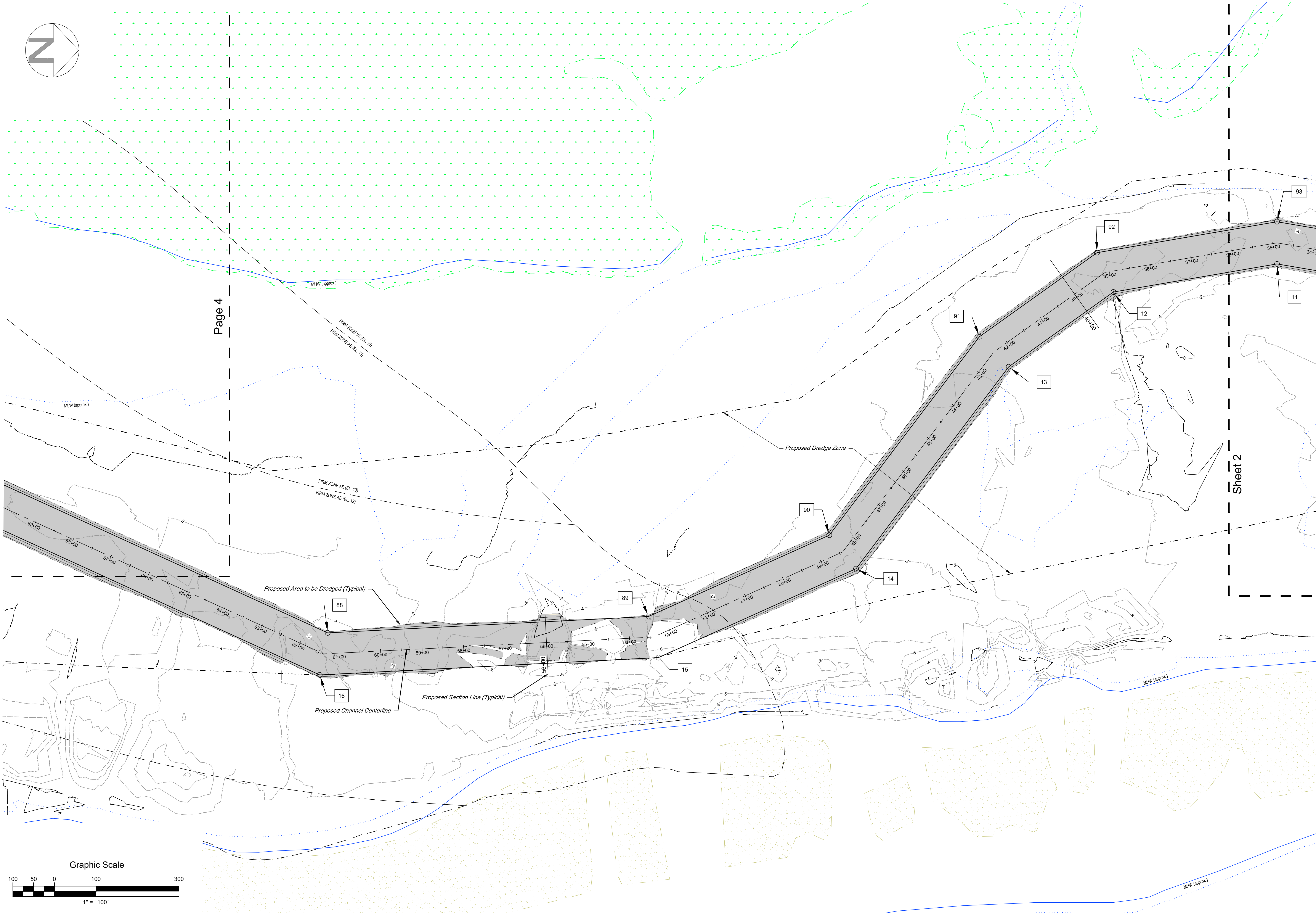
DD TYPICAL DREDGING DETAIL
 NOT TO SCALE

| Revisions | Date |
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Page 4

Sheet 2

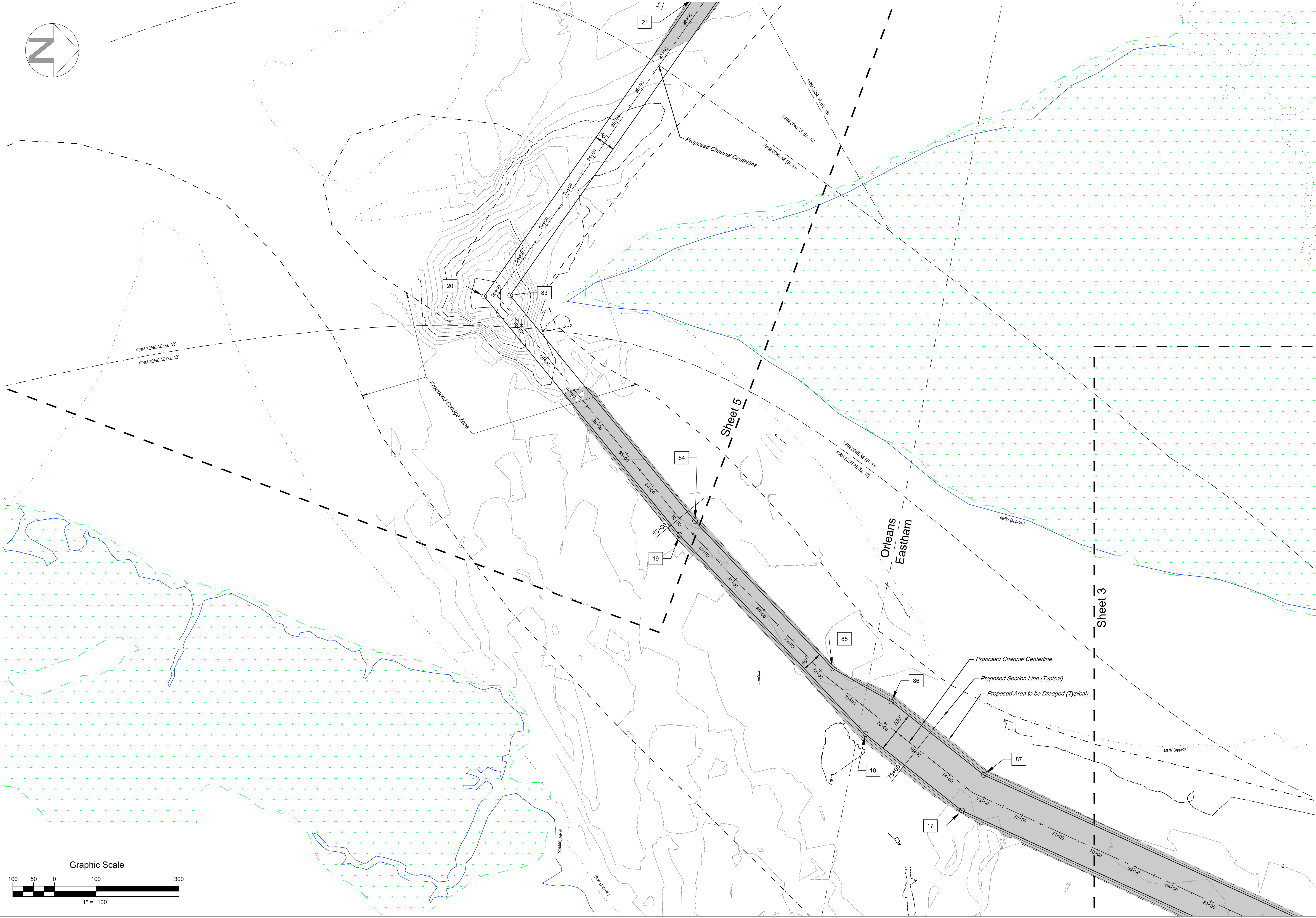
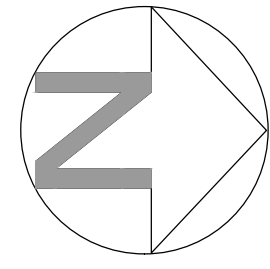


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WOODS HOLE GROUP
 A CLS COMPANY
 107 WATERHOUSE ROAD, BOURNE, MA 02532
 TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

Nauset Estuary Dredging Project
 for Towns of Orleans and Eastham, MA

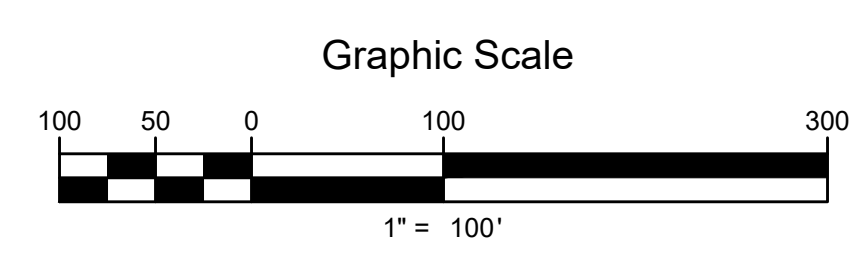
Project Number: 2015-0121-04
 Dwg File: 2015-0121_Base
 Scale: 1" = 100'
 Date: April 19, 2021
 Approved:
 Drawn: JRK

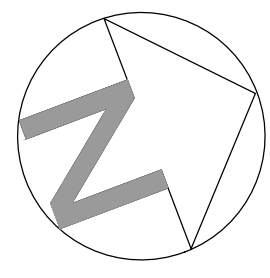


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Nauset Estuary Dredging Project
 for Towns of Orleans and Eastham, MA

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 Scale: 1" = 100'
 Date: April 19, 2021
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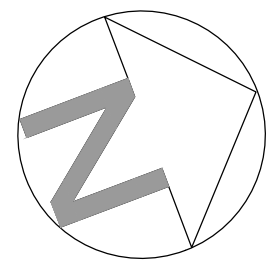




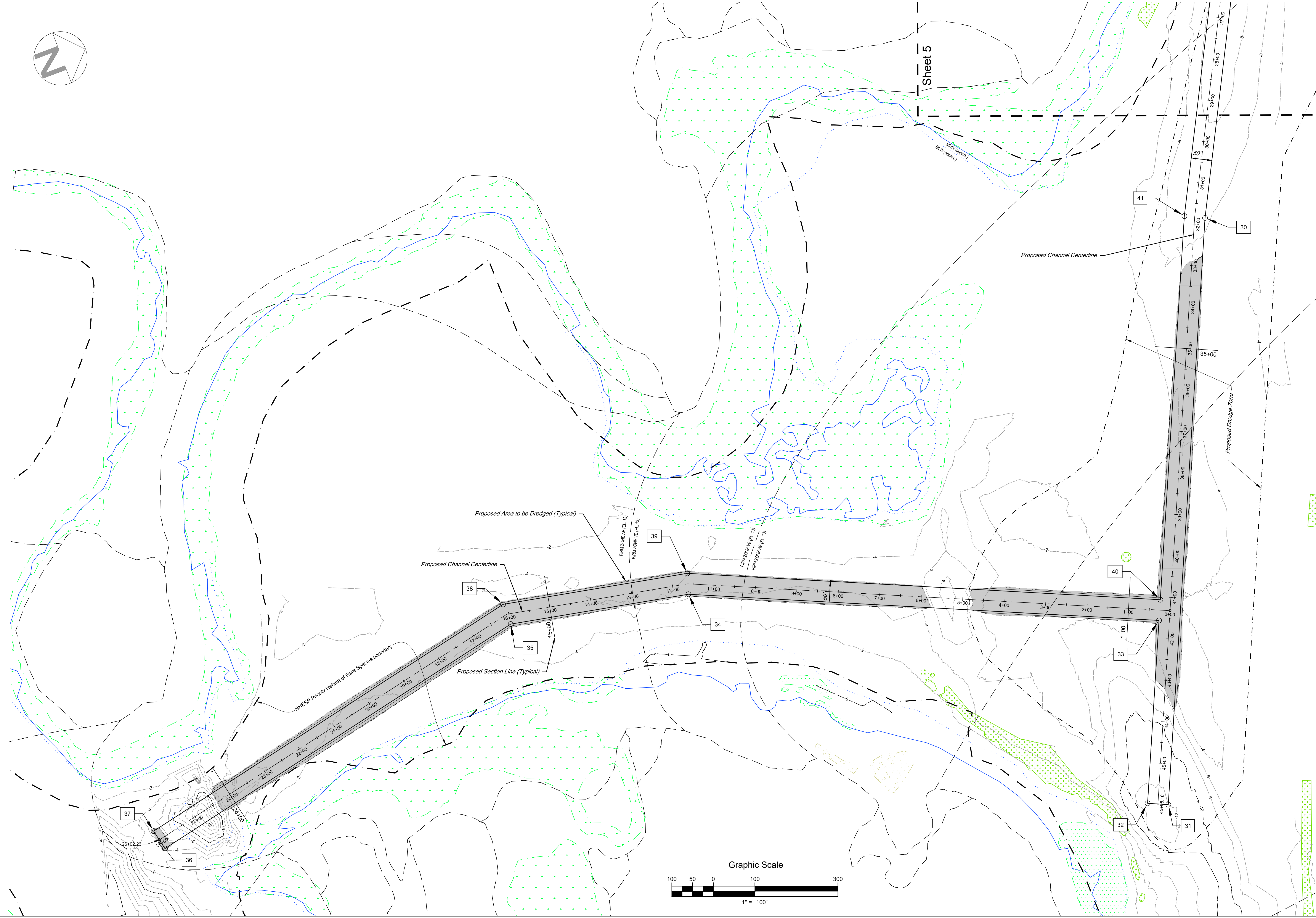
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Nauset Estuary Dredging Project
 for Towns of Orleans and Eastham, MA

Project Number: 2015-0121-04
 Dwg File: 2015-0121_Base
 Scale: 1" = 100'
 Date: April 19, 2021
 Approved:
 Drawn: JRK



Sheet 5



Proposed Area to be Dredged (Typical)

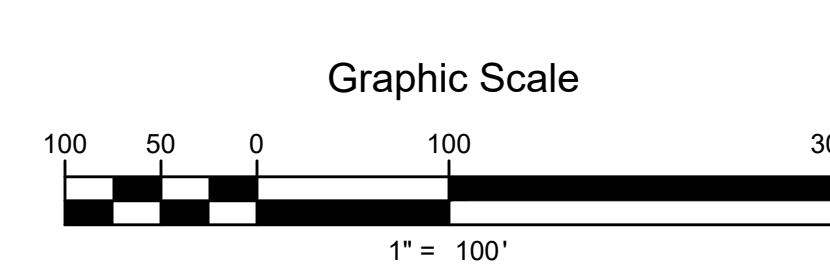
Proposed Channel Centerline

Proposed Section Line (Typical)

NHESP Priority Habitat of Rare Species boundary

Proposed Channel Centerline

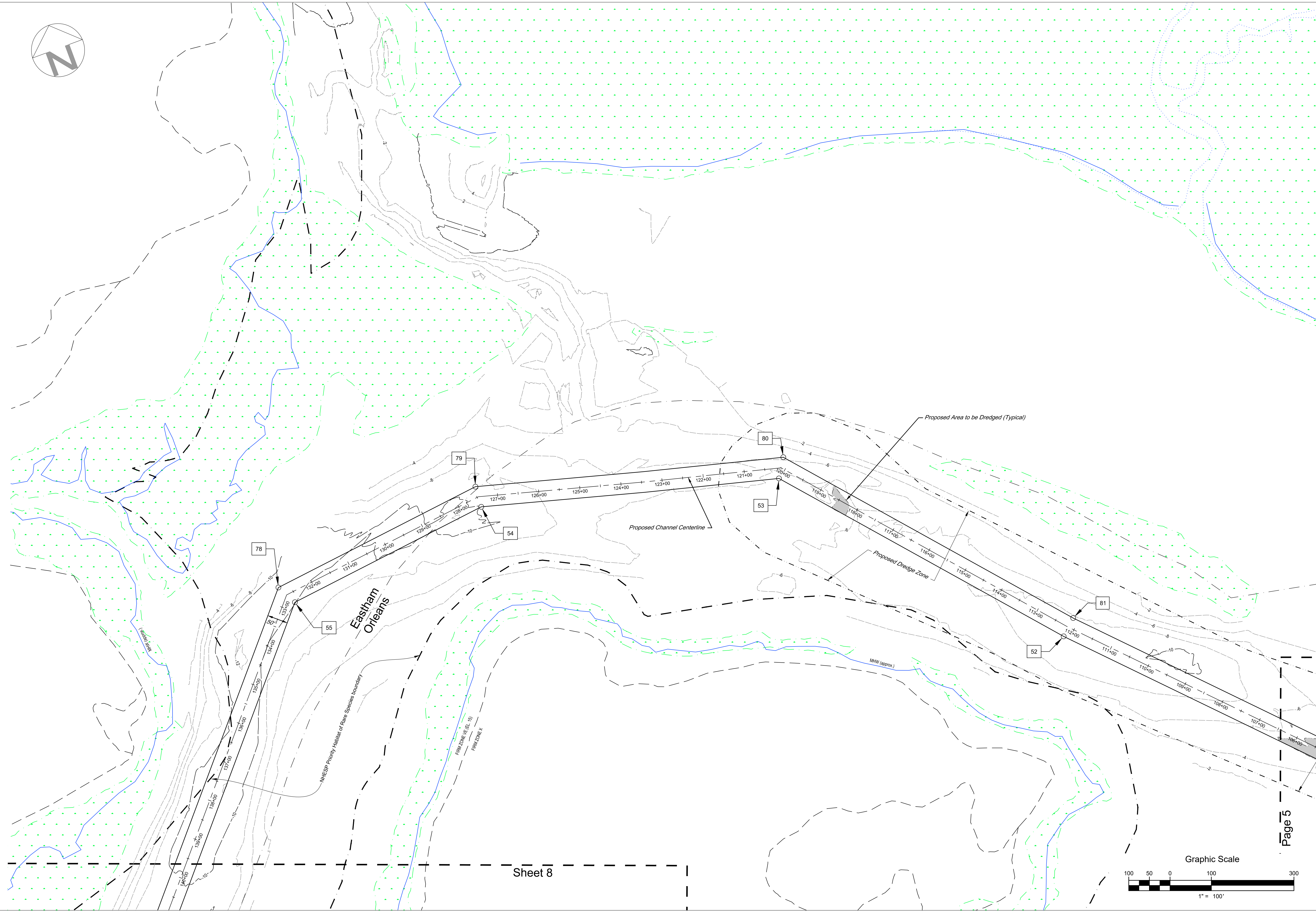
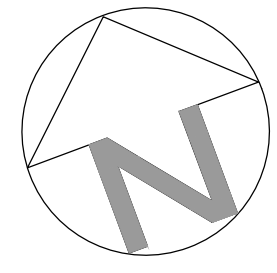
Proposed Dredge Zone



| Revisions | Date |
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Nauset Estuary Dredging Project
 for Towns of Orleans and Eastham, MA

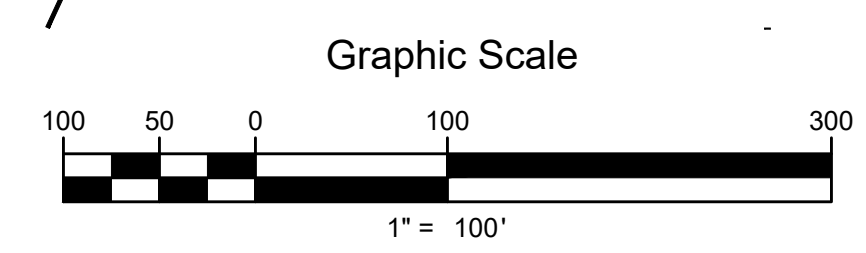
Project Number: 2015-0121-04
 Dwg File: 2015-0121_Base
 Scale: 1" = 100'
 Date: April 19, 2021
 Approved:
 Drawn: JRK

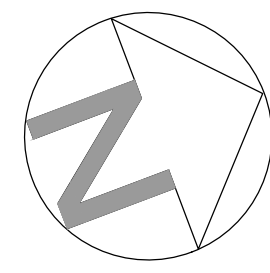


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Nauset Estuary Dredging Project
 for Towns of Orleans and Eastham, MA

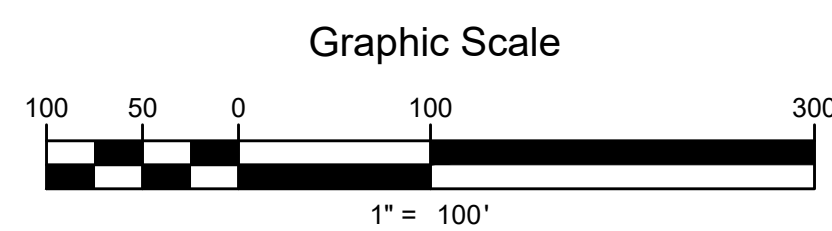
Project Number: 2015-0121-04
 Dwg File: 2015-0121_Base
 Scale: 1" = 100'
 Date: April 19, 2021
 Approved:
 Drawn: JRK





Sheet 9

Eastham
Orleans

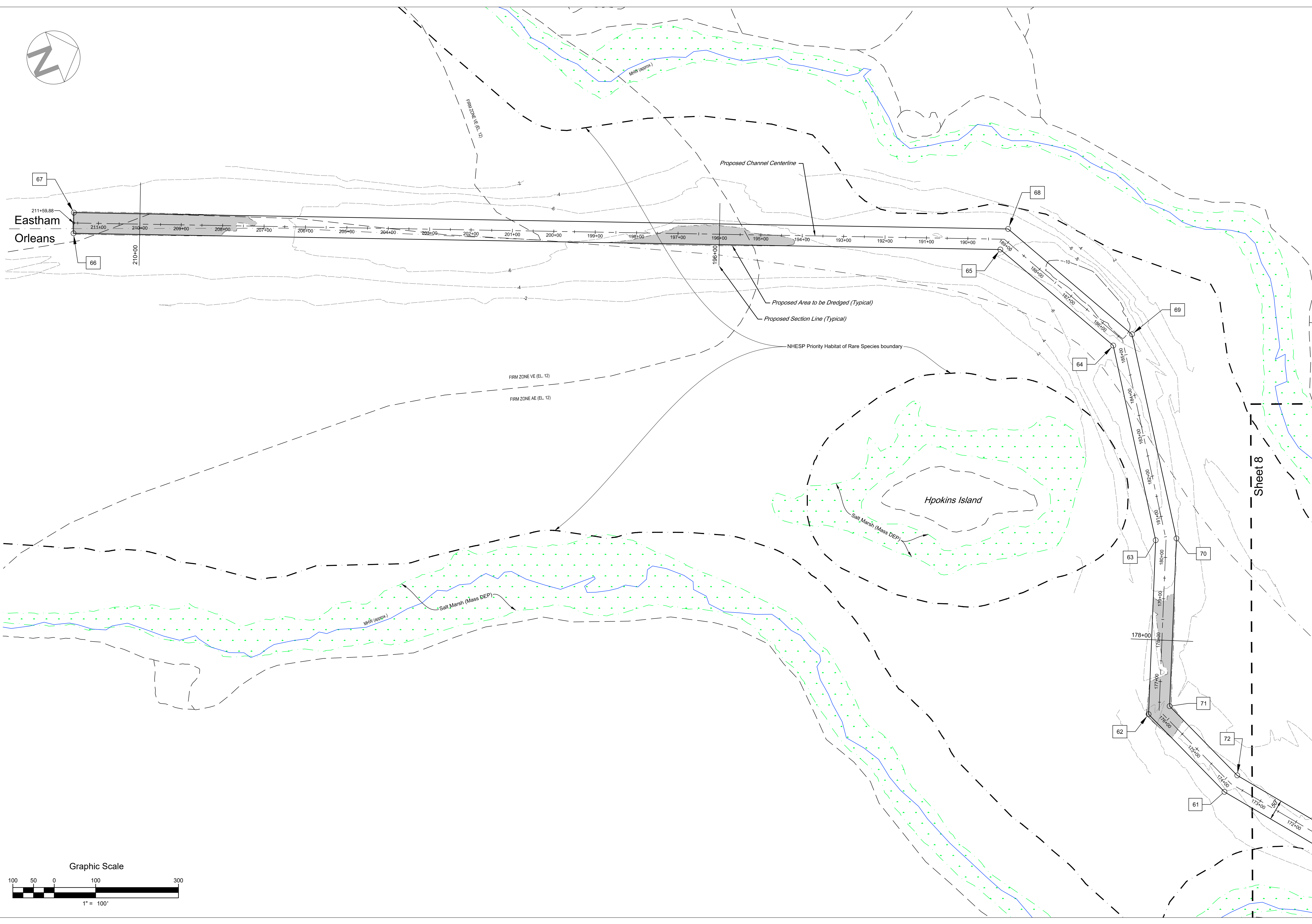
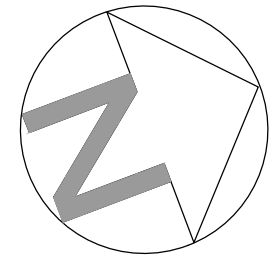


| Revisions | Date |
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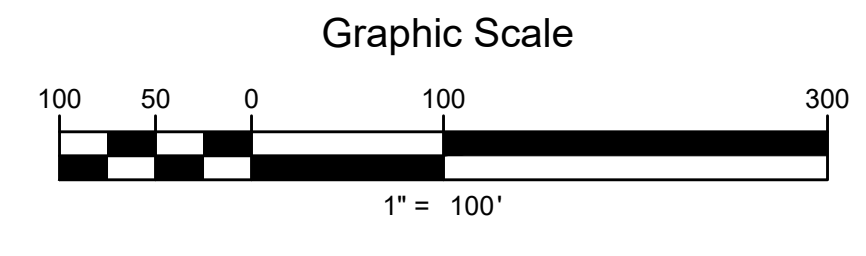
Nauset Estuary Dredging Project
for Towns of Orleans and Eastham, MA

Project Number: 2015-0121-04
Dwg File: 2015-0121_Base
Scale: 1" = 100'
Date: April 19, 2021
Approved:
Drawn: JRK

Sheet 7



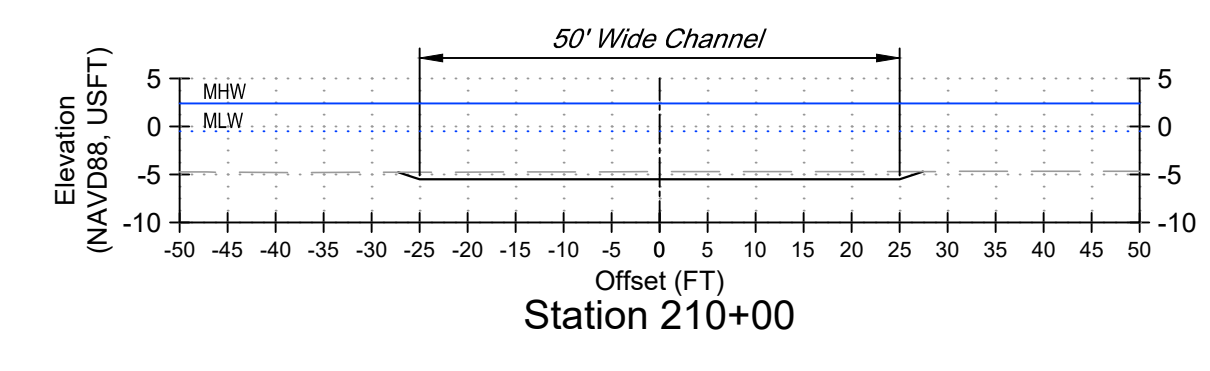
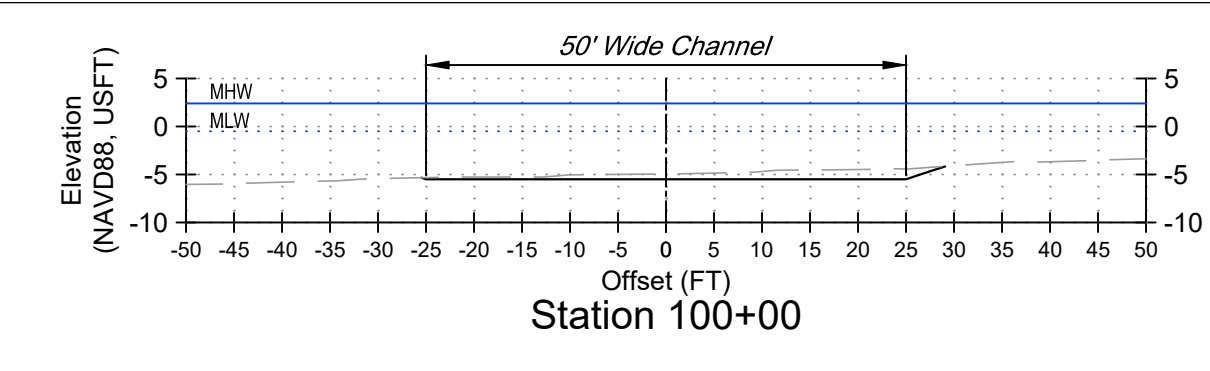
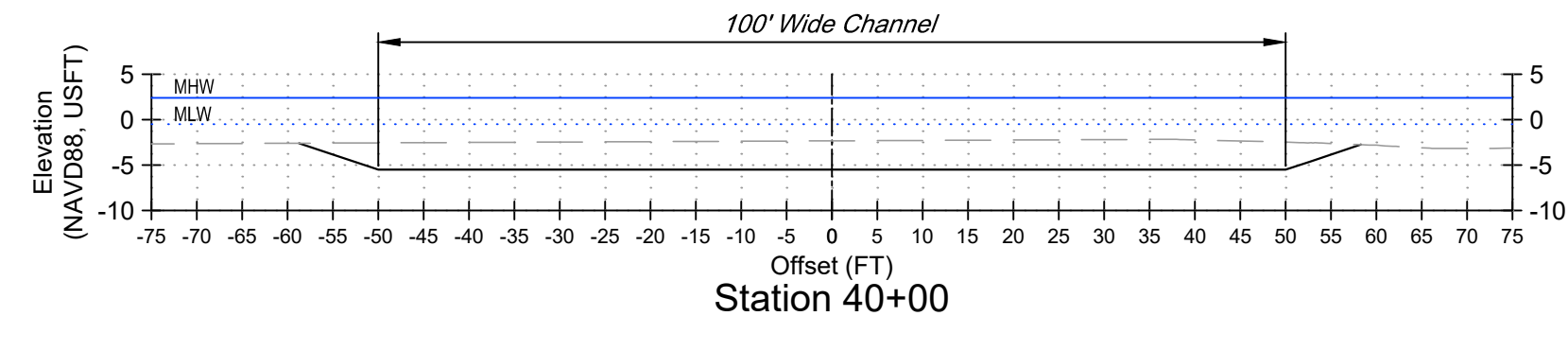
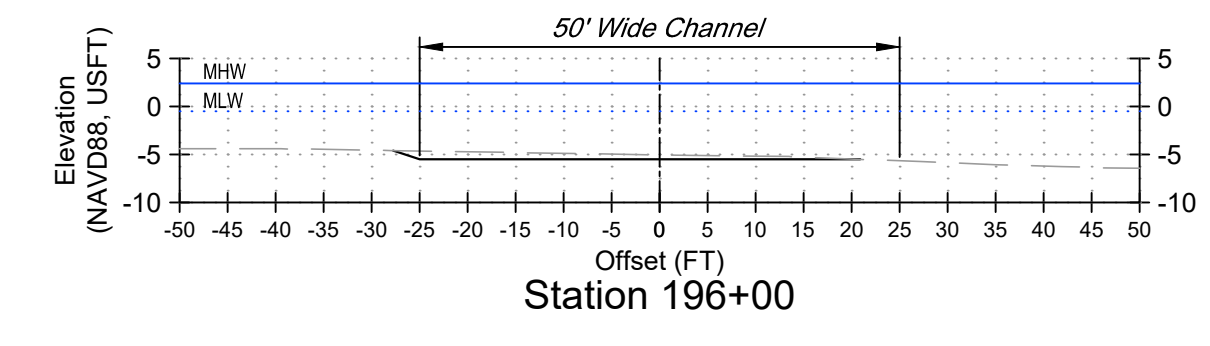
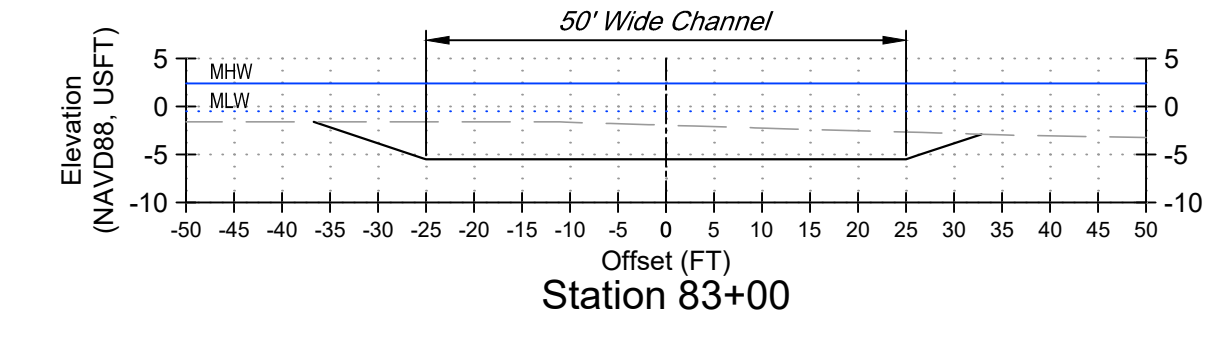
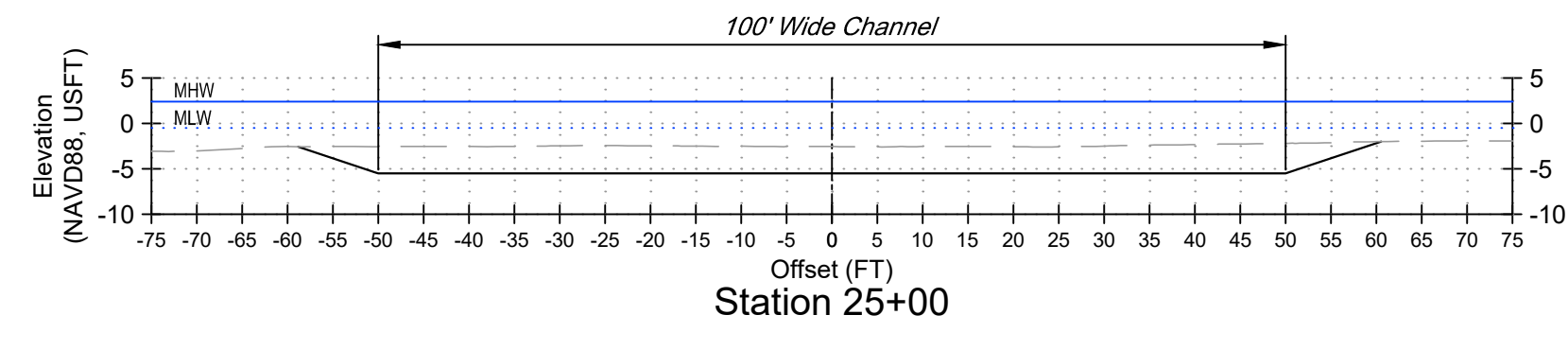
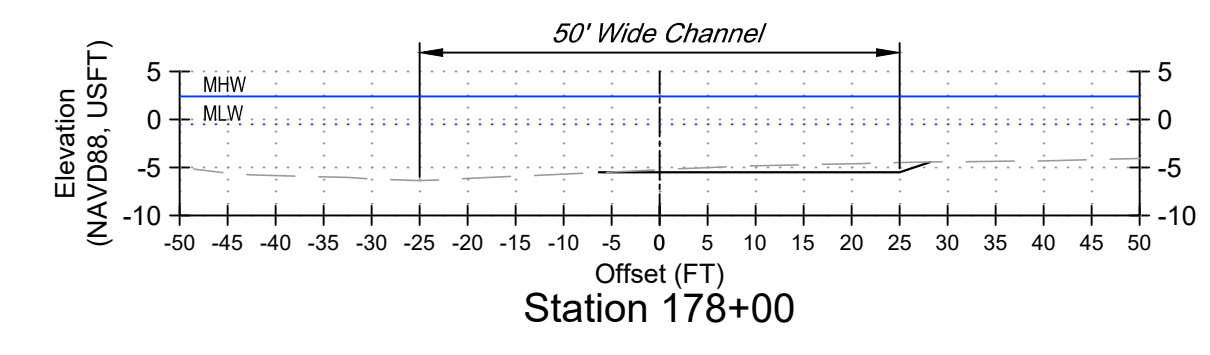
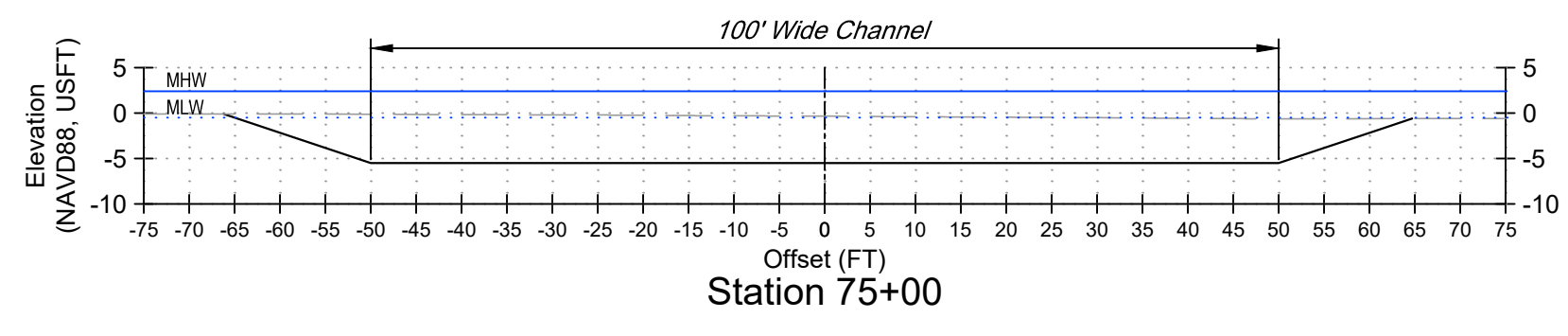
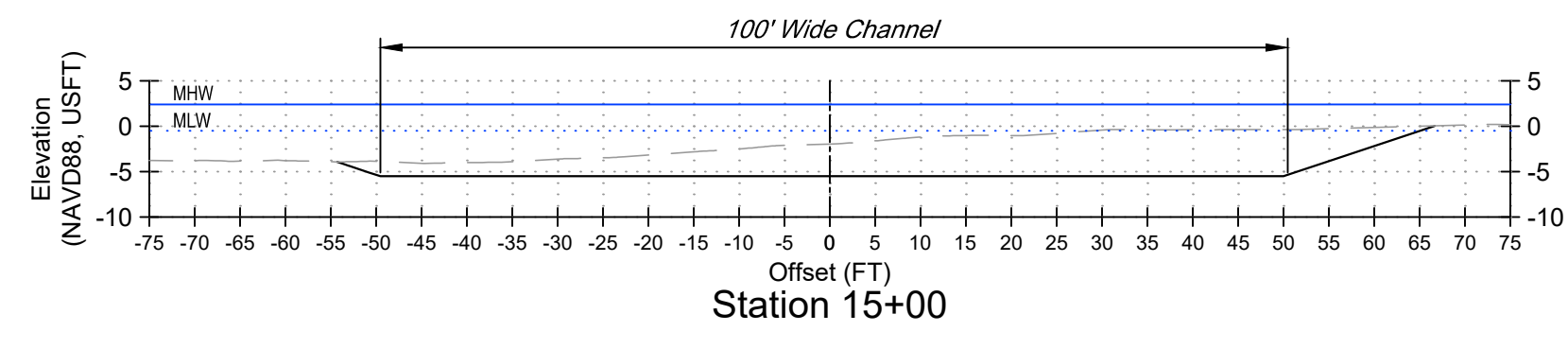
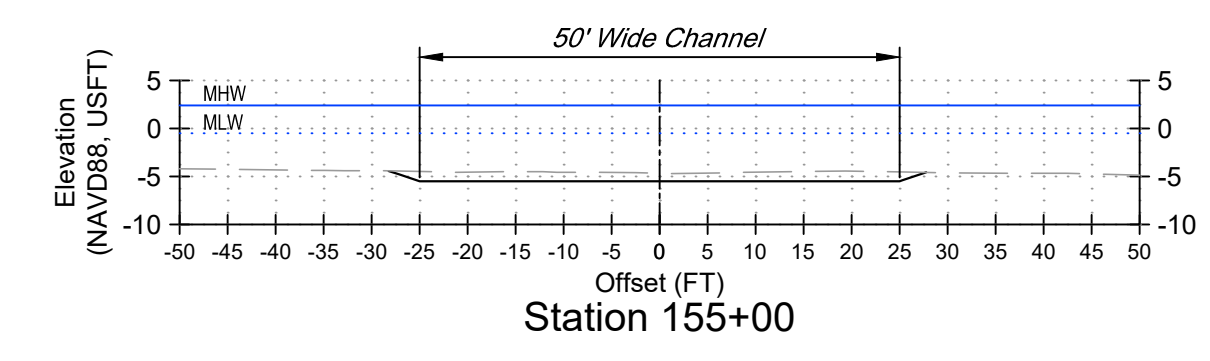
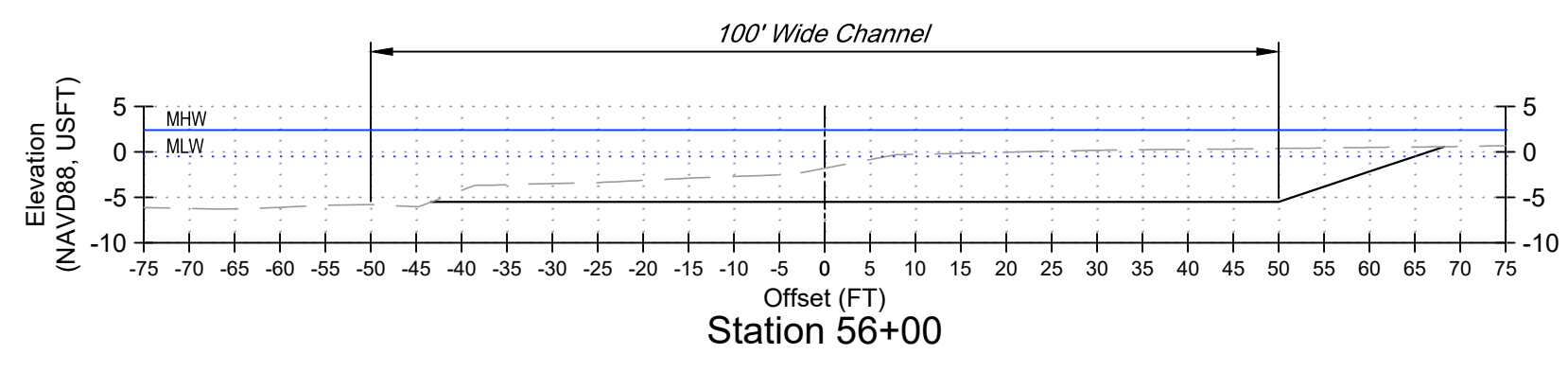
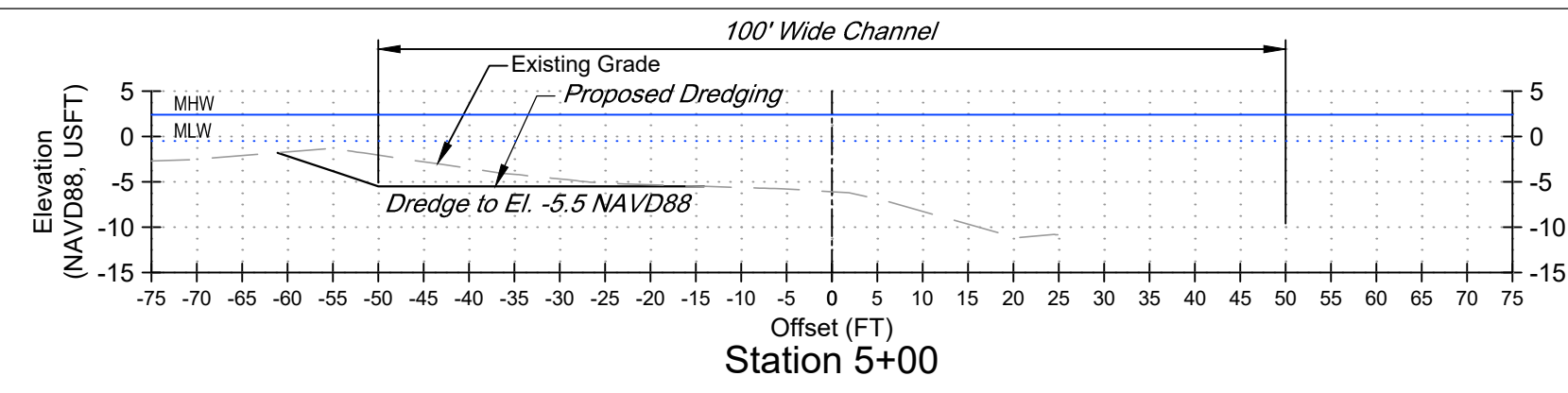
Eastham
Orleans



| Revisions | Date |
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Nauset Estuary Dredging Project
for Towns of Orleans and Eastham, MA

Project Number: 2015-0121-04
Dwg File: 2015-0121_Base
Scale: 1" = 100'
Date: April 19, 2021
Approved:
Drawn: JRK

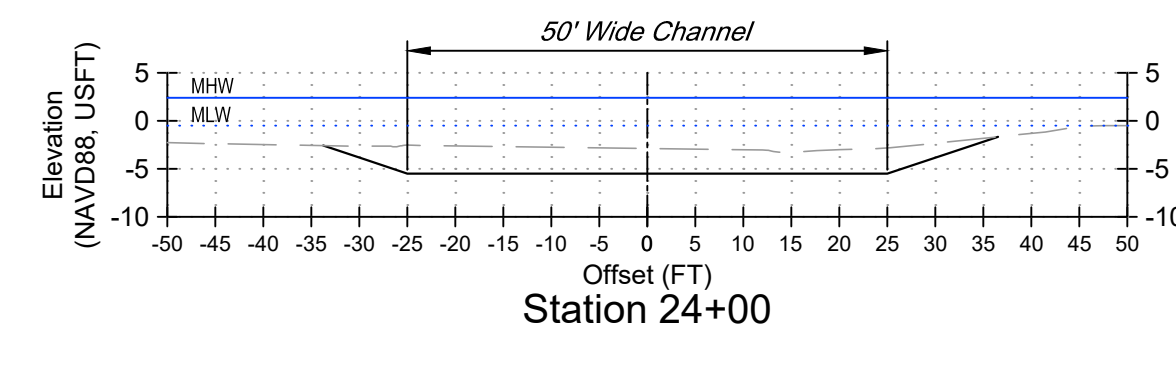
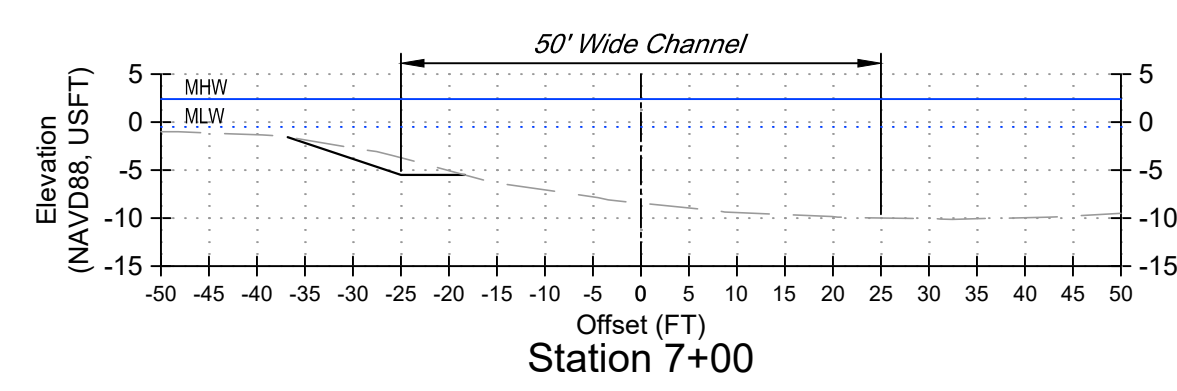
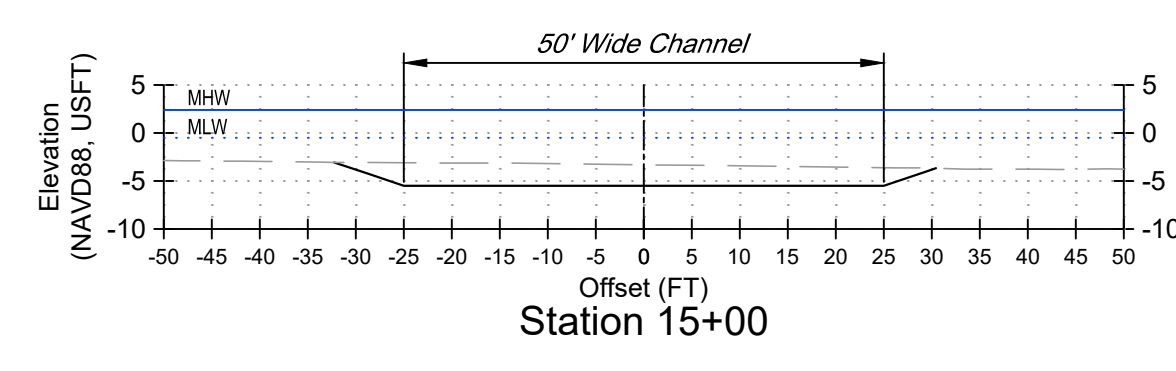
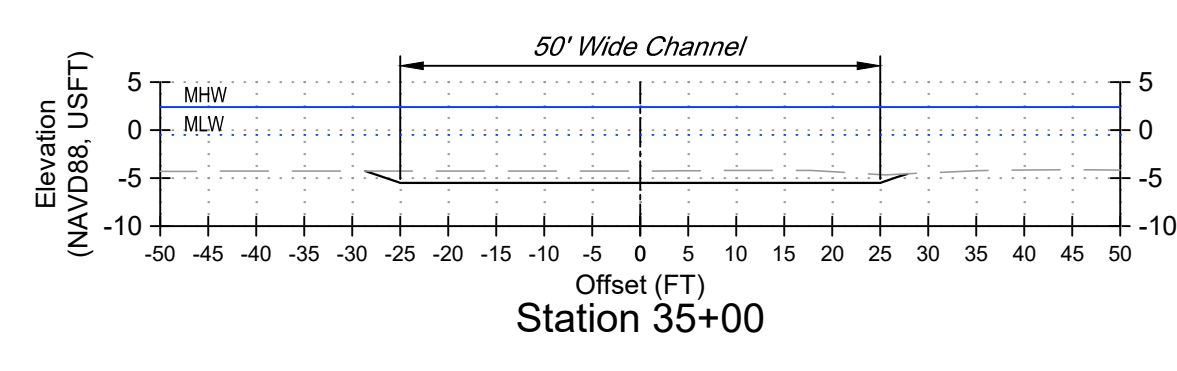
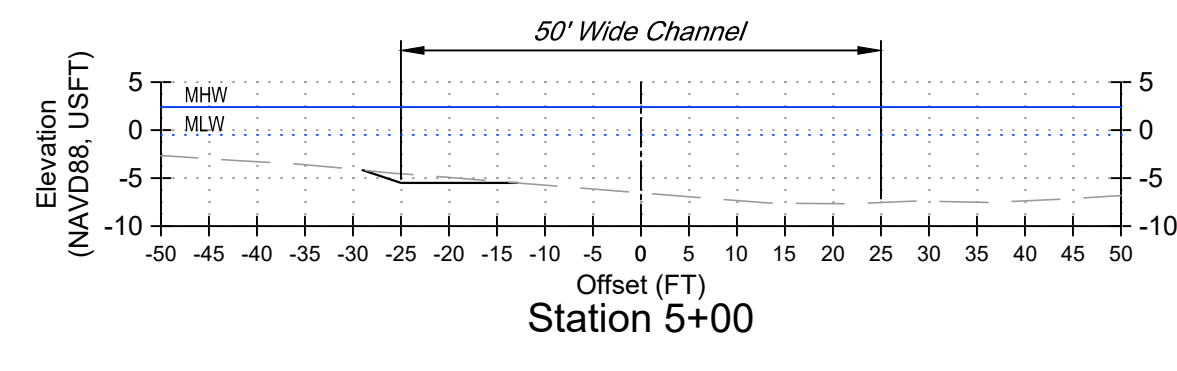
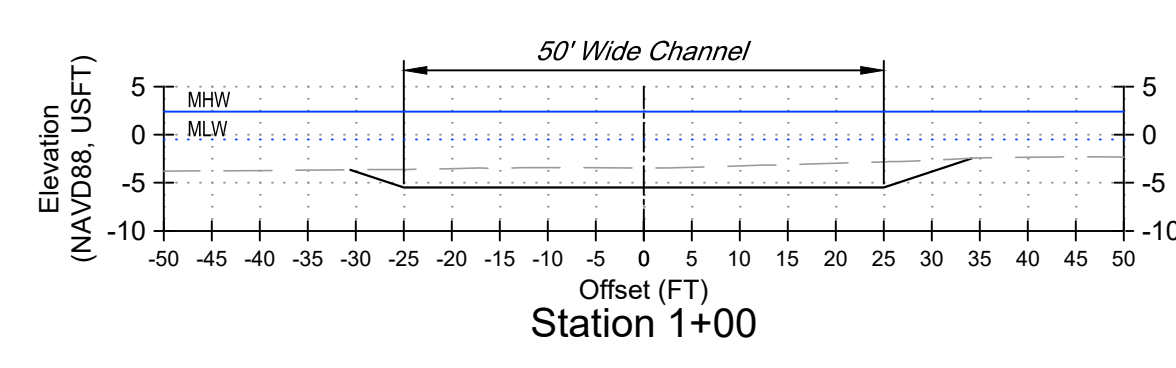
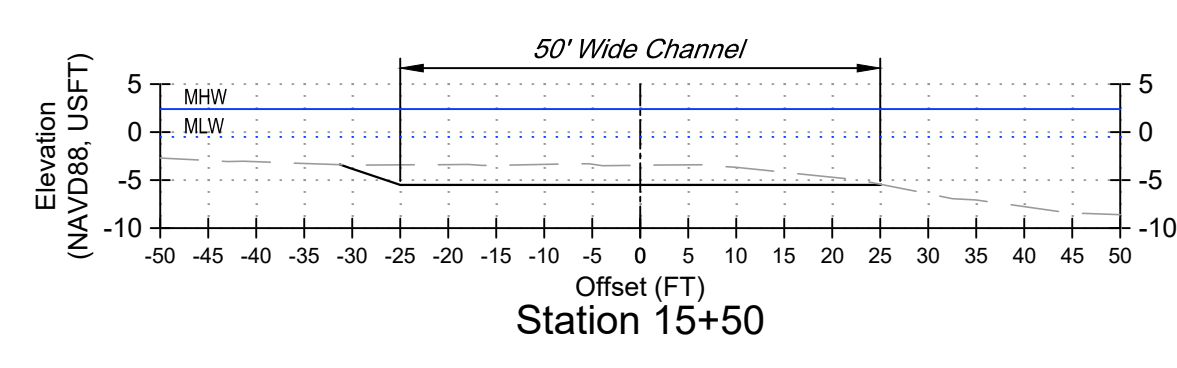
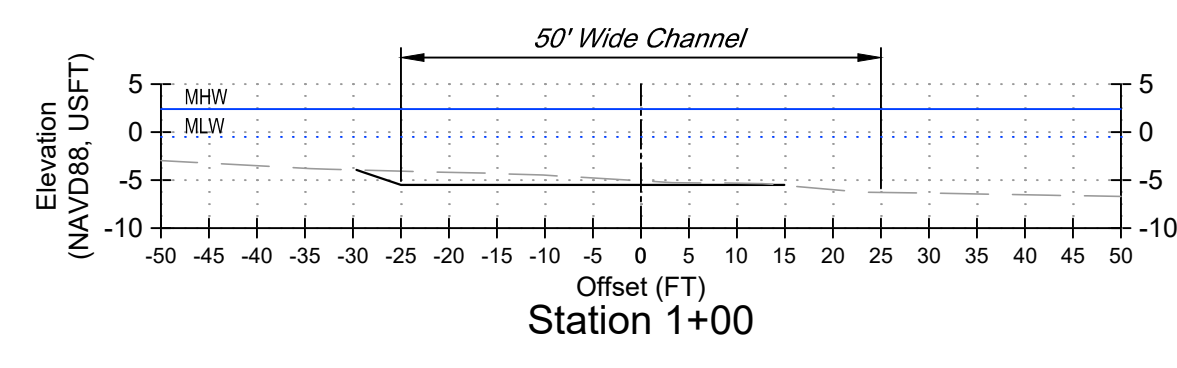


Channel Behind the Barrier Beach Sections

Eastern Main Channel Section

Central Main Channel Section

Town Cove Channel Sections



Priscilla Road Channel Sections

Mill Pond Channel Sections

Dredging Notes:
 1. See Page 2 for typical dredging section detail.

| Revisions | Date |
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Nauset Estuary Dredging Project
 for Towns of Orleans and Eastham, MA

Project Number: 2015-0121-04
 Dwg File: 2015-0121_Base
 Scale: 1" = 20'
 Date: April 19, 2021
 Approved:
 Drawn: JRK

