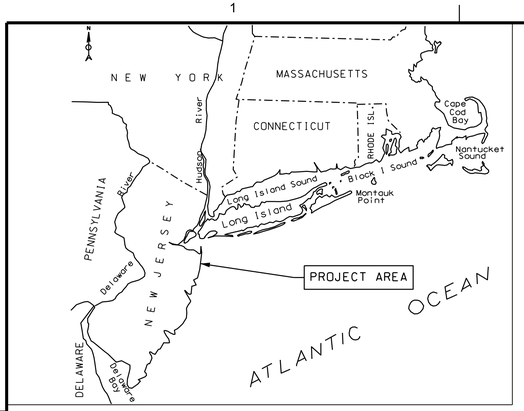
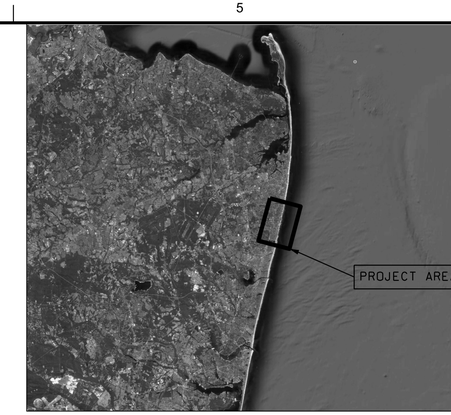


ATLANTIC COAST OF NEW JERSEY
SEA BRIGHT TO MANASQUAN
BEACH EROSION CONTROL PROJECT
ELBERON TO LOCH ARBOUR, NJ



DRAWING INDEX		
G-001	COVER SHEET AND INDEX	1 OF 12
G-101	GENERAL PLAN	2 OF 12
G-102	BORROW AREA	3 OF 12
C-101	BEACH FILL PLAN STA 450+00 TO STA 465+00	4 OF 12
C-102	BEACH FILL PLAN STA 465+00 TO STA 493+00	5 OF 12
C-103	BEACH FILL PLAN STA 493+00 TO STA 522+00	6 OF 12
C-104	BEACH FILL PLAN STA 522+00 TO STA 551+00	7 OF 12
C-105	BEACH FILL PLAN STA 551+00 TO STA 580+00	8 OF 12
C-106	BEACH FILL PLAN STA 580+00 TO STA 609+00	9 OF 12
C-107	BEACH FILL PLAN STA 609+00 TO STA 636+00	10 OF 12
C-301	CROSS SECTIONS	11 OF 12
C-302	CROSS SECTIONS	12 OF 12

GENERAL NOTES:

1. THE BERM WIDTHS SHOWN ARE BASED ON A GROUND SURVEY DATED 20 FEBRUARY - 1 APRIL 2013.
2. CROSS SECTIONS ARE TAKEN PERPENDICULAR TO THE REFERENCE LINE AND DISTANCES ARE MEASURED FROM THE REFERENCE LINE.
3. ALL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. COORDINATES ARE BASED ON NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD83.
5. REFER TO THE LIMITED REEVALUATION REPORT FOR MORE DETAILS AND CALCULATIONS ON GROIN NOTCHING AND OUTFALLS.

SIGNATURES AFFIXED BELOW INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF ALL DRAWINGS IN THIS SET AS INDEXED ON THIS SHEET

APPROVED FOR TECHNICAL ADEQUACY BY:

DESIGN TEAM LEADER — DATE

CONCURRED BY:

TECHNICAL MANAGER — DATE

APPROVAL RECOMMENDED BY:

CHIEF, DESIGN BRANCH — DATE

APPROVAL RECOMMENDED BY:

CHIEF, ENGINEERING MANAGEMENT BRANCH — DATE

APPROVED BY:

CHIEF, ENGINEERING DIVISION — DATE

This project was designed by the U.S. Army Corps of Engineers. The initials or signatures and registration designations of individuals appear on these project documents, within the scope of their employment as required by ER 1110-1-8152.

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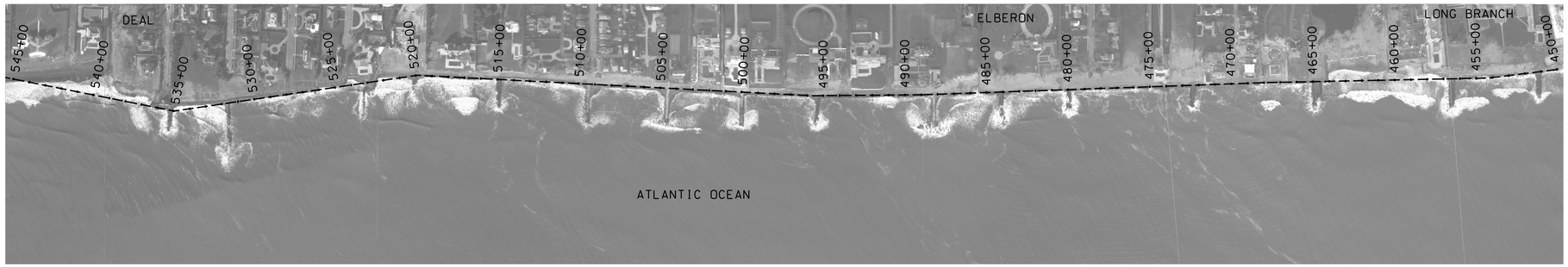
ISSUE DATE:
SIZE: ANSI D
FILE NAME: G-001.dgn
DATE: 30 OCTOBER 2013
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

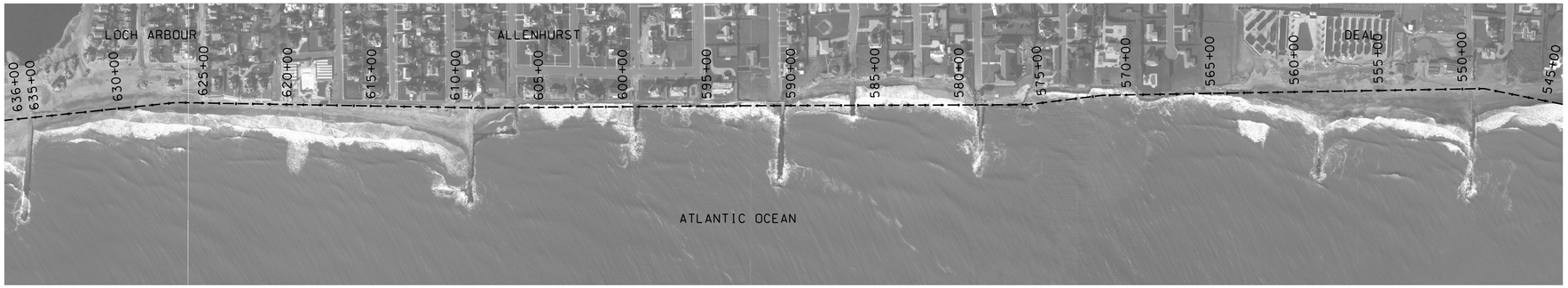
BEACH EROSION CONTROL PROJECT
DEAL, NJ

COVER SHEET AND INDEX

SHEET IDENTIFICATION
G-001
SHEET 1 OF 23

GENERAL PLAN





0 400' 800'

SCALE:1"=400'

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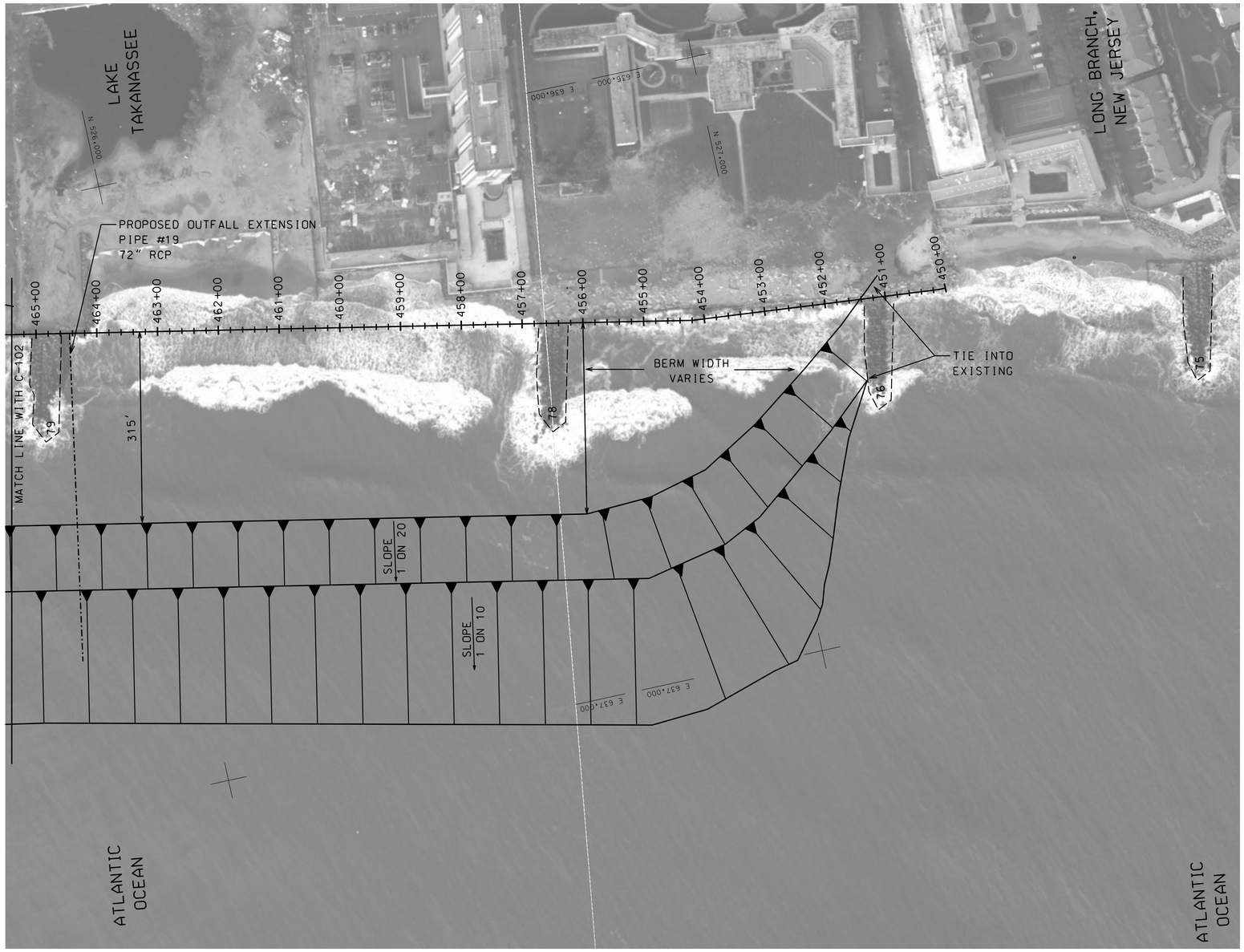
BEACH EROSION CONTROL PROJECT
DEAL, NJ

GENERAL PLAN

SHEET IDENTIFICATION
G-101
SHEET 2 OF 12

STA 465+00 TO STA 493+00



NOTES:

1. FOR CROSS SECTIONS SEE SHEETS C-301 TO C-302.
2. BERM WILL EXTEND LANDWARD OF REFERENCE LINE TO MEET EXISTING 9.3' ELEVATION AT SPECIFIED LOCATIONS DRAWN ON PLANS.
3. LAKE TAKANASSEE OUTFALL IS CURRENTLY NONEXISTANT. MAY NEED TO BE EXTENDED AFTER CONSTRUCTION.
4. PIPE #19 PROPOSED EXTENSION LENGTH IS APPROXIMATELY 540FT WITH COMPOSITE CRIBBING.

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

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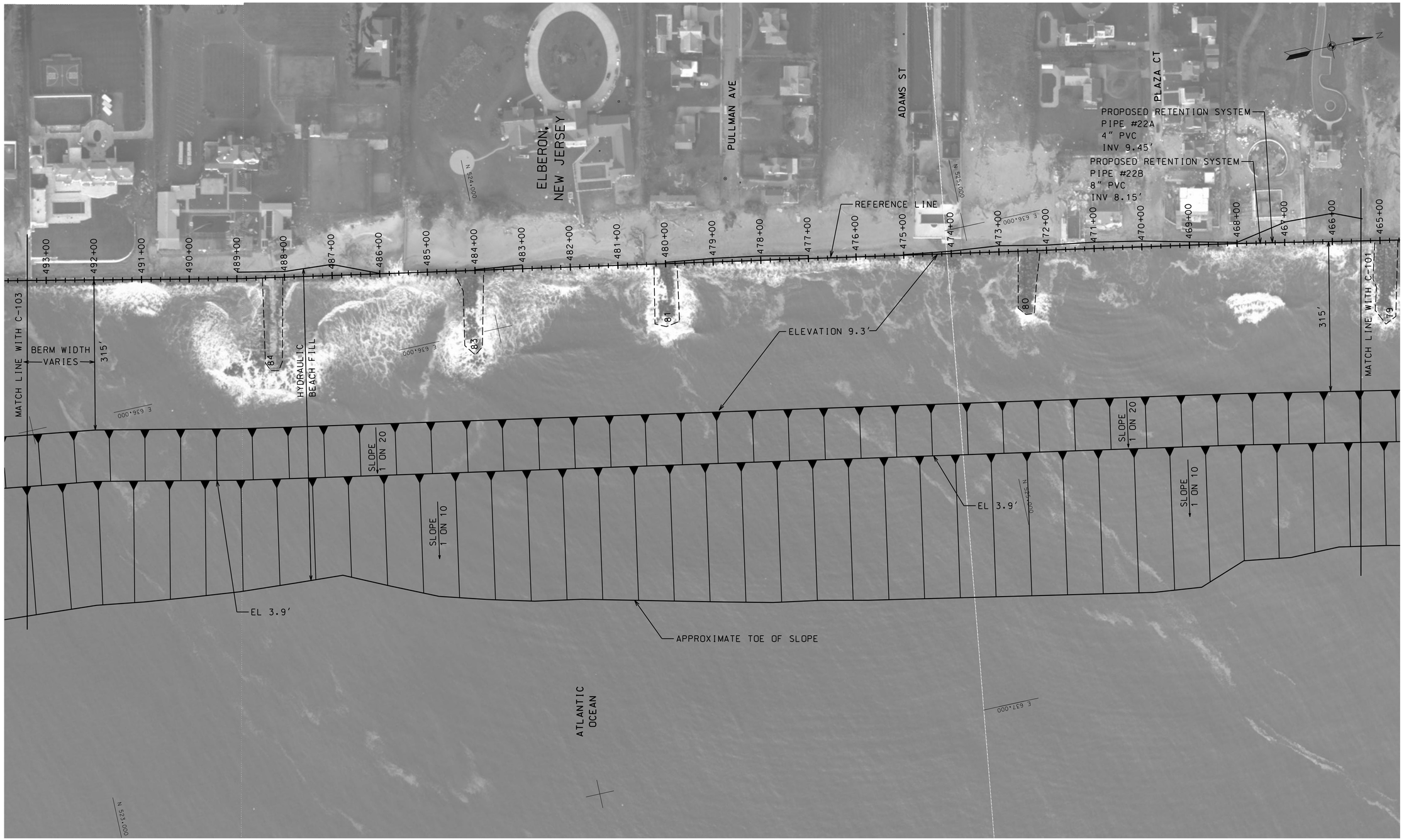
SIZE: ANSI D FILE NAME: C-151.dgn

BEACH EROSION CONTROL PROJECT
DEAL, NJ

BEACH FILL DRAFT PLANS
STA 450+00 TO STA 465+00

SHEET IDENTIFICATION
C-101
SHEET 4 OF 12

STA 465+00 TO STA 493+00



NOTES:

1. FOR CROSS SECTIONS SEE SHEETS C-301 TO C-302.
2. BERM WILL EXTEND LANDWARD OF REFERENCE LINE TO MEET EXISTING 9.3' ELEVATION AT SPECIFIED LOCATIONS DRAWN ON PLANS.
3. LAKE TAKANASSEE OUTFALL IS CURRENTLY NONEXISTANT. MAY NEED TO BE EXTENDED AFTER CONSTRUCTION.

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

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FILE NAME: C-102.dgn	FILE NUMBER:

BEACH EROSION CONTROL PROJECT
DEAL, NJ

BEACH FILL DRAFT PLANS
STA 465+00 TO STA 493+00

SHEET IDENTIFICATION
C-102
SHEET 5 OF 12

STA 493+00 TO STA 522+00

NOTES:

1. FOR CROSS SECTIONS SEE SHEETS C-301 TO C-302.
2. BERM WILL EXTEND LANDWARD OF REFERENCE LINE TO MEET EXISTING 9.3' ELEVATION AT SPECIFIED LOCATIONS DRAWN ON PLANS.
3. ALL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) UNLESS NOTED OTHERWISE ON DRAWINGS.
4. PIPE #32 PROPOSED EXTENSION LENGTH IS APPROXIMATELY 555FT WITH TIMBER CRIBBING.
5. PIPE #33 PROPOSED EXTENSION LENGTH IS APPROXIMATELY 585FT WITH TIMBER CRIBBING.

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

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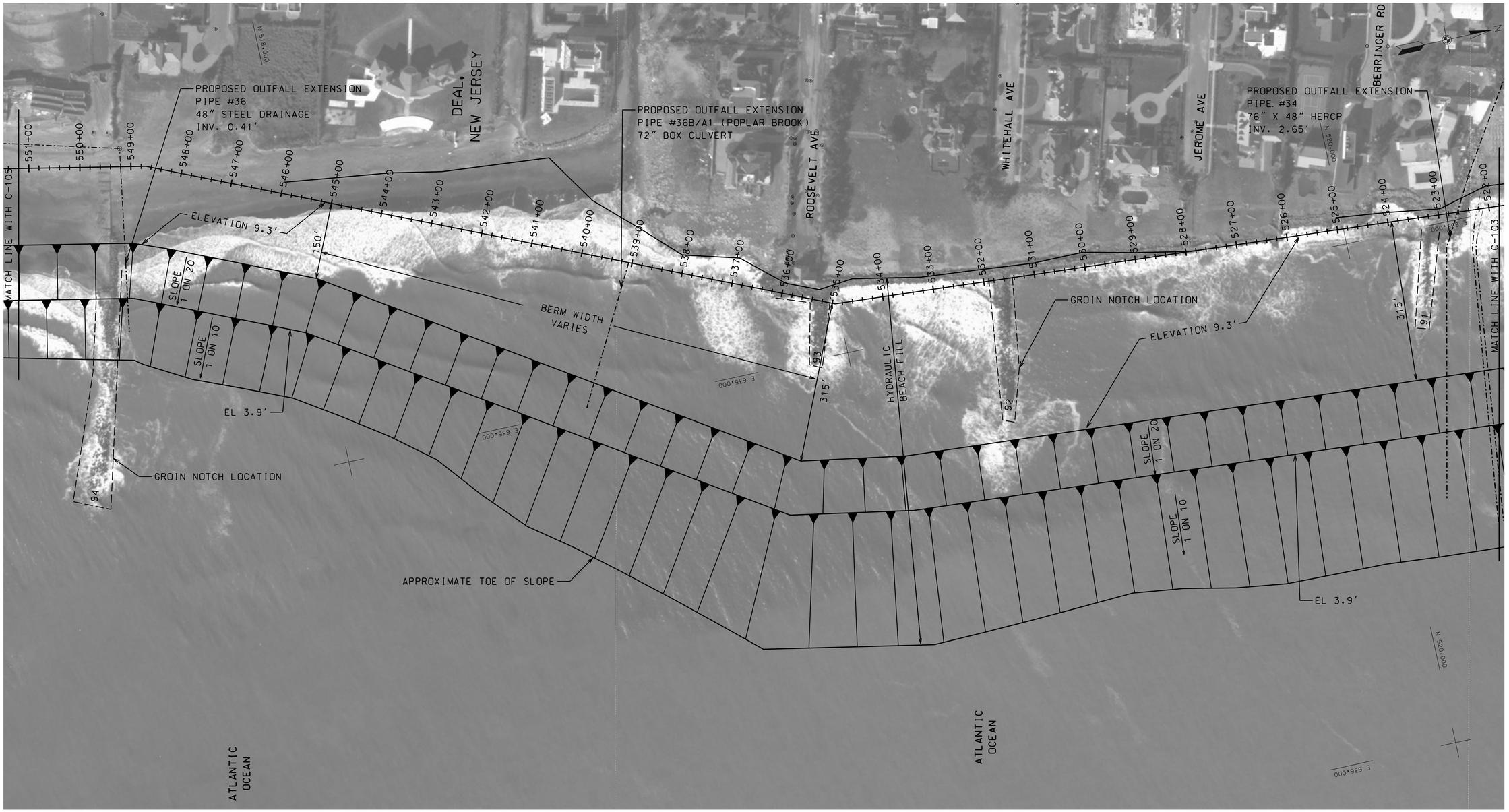
SIZE: ANSI D
FILE NAME: C-103.dgn

BEACH EROSION CONTROL PROJECT
DEAL, NJ

BEACH FILL DRAFT PLANS
STA 493+00 TO STA 522+00

SHEET IDENTIFICATION
C-103
SHEET 6 OF 12

STA 522+00 TO STA 551+00



NOTES:

1. FOR CROSS SECTIONS SEE SHEETS C-301 TO C-302.
2. BERM WILL EXTEND LANDWARD OF REFERENCE LINE TO MEET EXISTING 9.3' ELEVATION AT SPECIFIED LOCATIONS DRAWN ON PLANS.
3. PIPE #34 PROPOSED EXTENSION LENGTH IS APPROXIMATELY 514FT WITH COMPOSITE CRIBBING.
4. PIPE #36B/A1 PROPOSED EXTENSION LENGTH IS APPROXIMATELY 298FT WITH COMPOSITE CRIBBING. THE 298FT EXTENSION IS BASED ON THE ASSUMPTION THAT THE CURRENT PIPE (IN DISREPAIR) WILL BE EXTENDED TO THE PROJECT REFERENCE LINE.
5. PIPE #36 PROPOSED EXTENSION LENGTH IS APPROXIMATELY 140FT WITH COMPOSITE CRIBBING.

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

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FILE NAME: C-104.dgn
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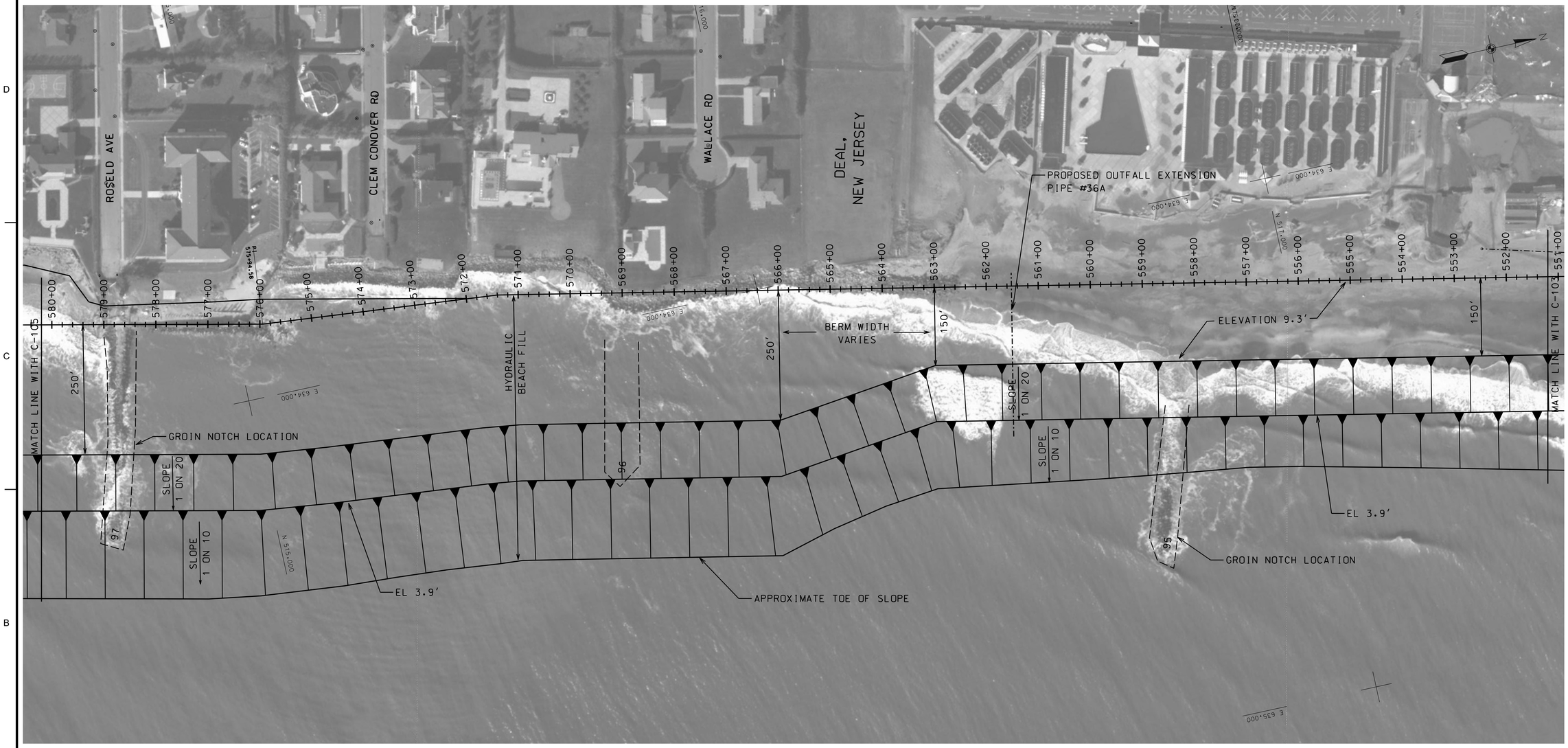
BEACH EROSION CONTROL PROJECT
DEAL, NJ

BEACH FILL DRAFT PLANS
STA 522+00 TO STA 551+00

SHEET IDENTIFICATION
C-104
SHEET 7 OF 12

STA 551+00 TO STA 580+00



NOTES:

1. FOR CROSS SECTIONS SEE SHEETS C-301 TO C-302.
2. BERM WILL EXTEND LANDWARD OF REFERENCE LINE TO MEET EXISTING 9.3' ELEVATION AT SPECIFIED LOCATIONS DRAWN ON PLANS.
3. PIPE #36A PROPOSED EXTENSION LENGTH IS APPROXIMATELY 200FT WITH TIMBER CRIBBING.

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

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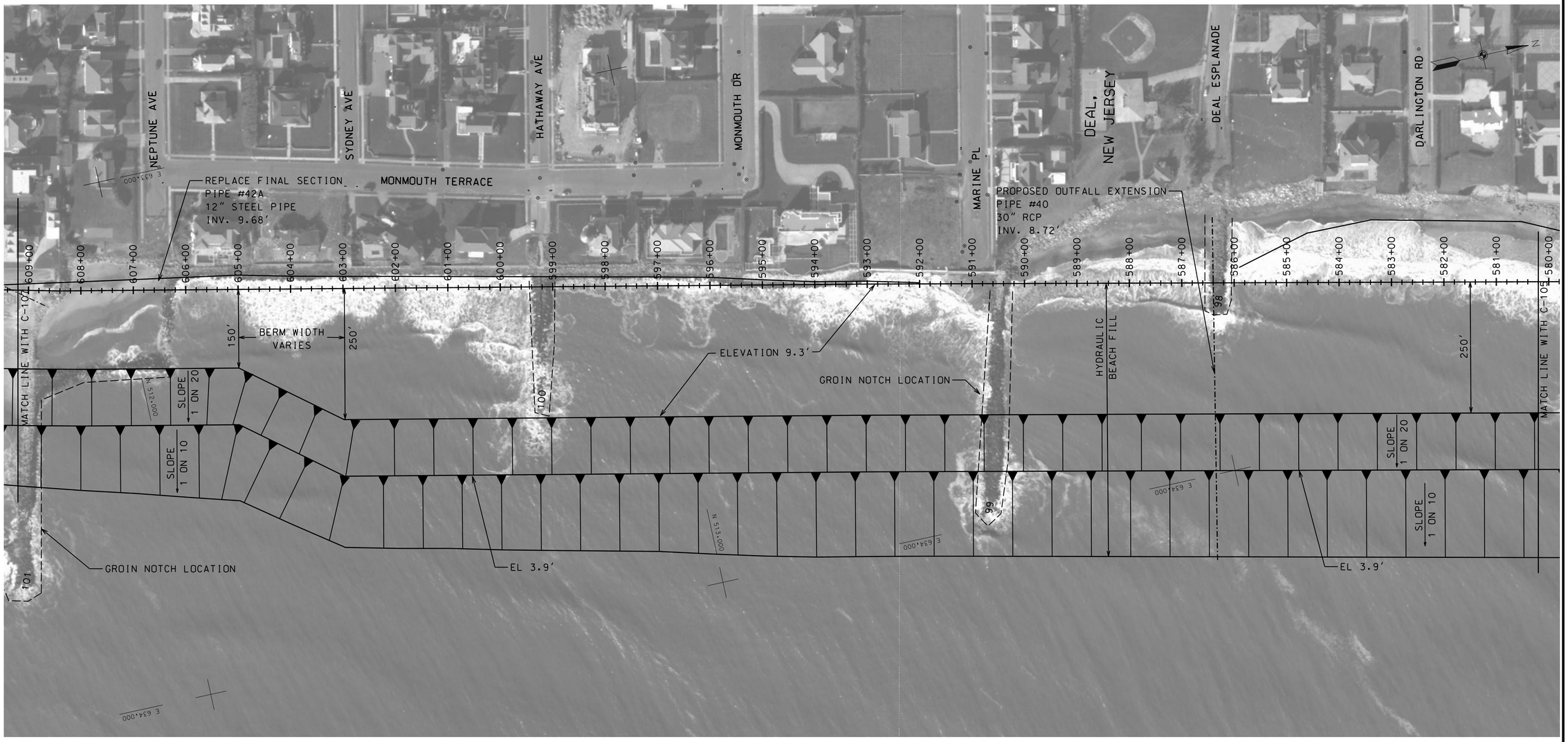
CONTRACT NO.:
FILE NUMBER:
ISSUE DATE:
FILE NAME: C-105.dgn

BEACH EROSION CONTROL PROJECT
DEAL, NJ

BEACH FILL DRAFT PLANS
STA 551+00 TO STA 580+00

SHEET IDENTIFICATION
C-105
SHEET 8 OF 12

STA 580+00 TO STA 609+00



NOTES:

1. FOR CROSS SECTIONS SEE SHEETS C-301 TO C-302.
2. BERM WILL EXTEND LANDWARD OF REFERENCE LINE TO MEET EXISTING 9.3' ELEVATION AT SPECIFIED LOCATIONS DRAWN ON PLANS.
3. PIPE #40 PROPOSED EXTENSION LENGTH IS APPROXIMATELY 546FT WITH TIMBER CRIBBING.

0 100' 200'

SCALE:1"=100'

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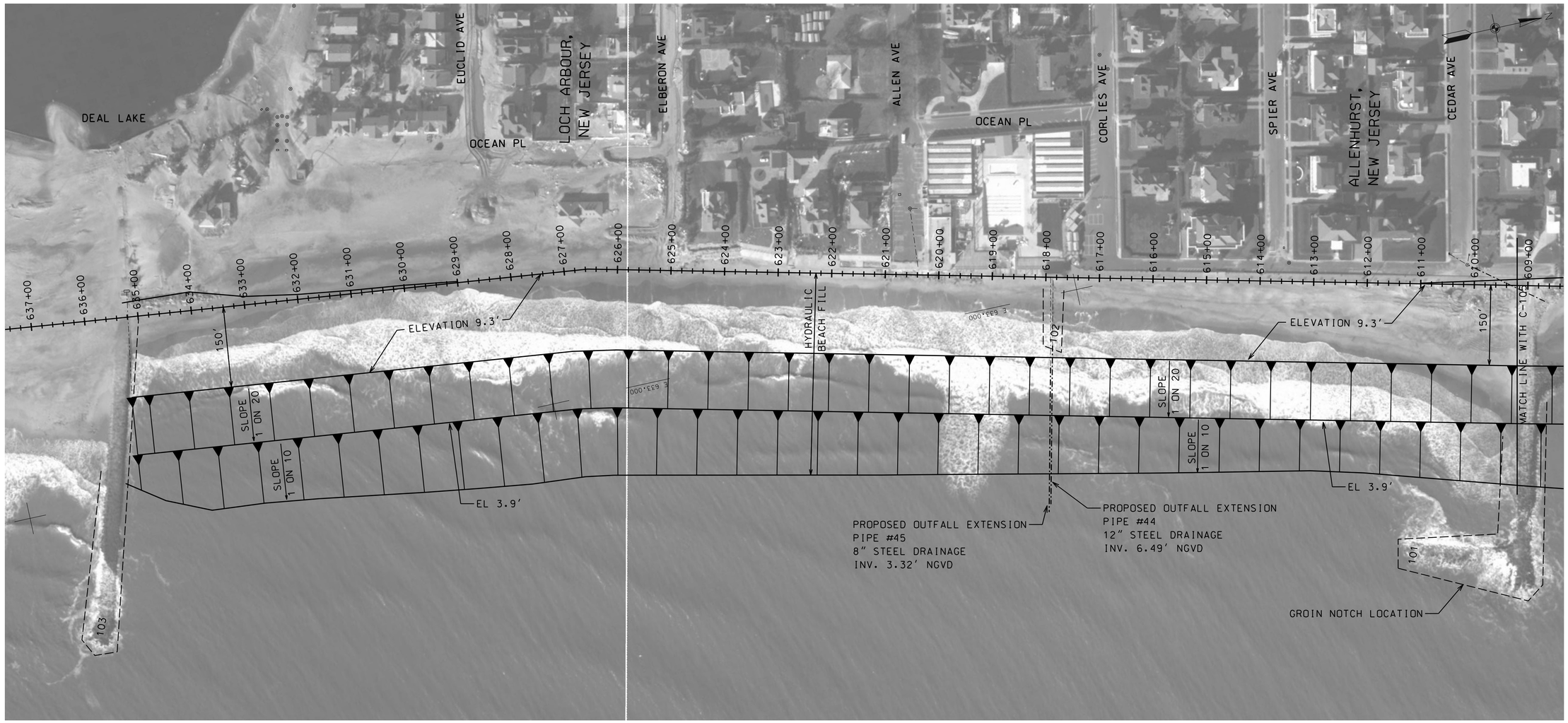
FILE NUMBER:
ISSUE DATE:
FILE NAME: C-106.dgn

BEACH EROSION CONTROL PROJECT
DEAL, NJ

BEACH FILL DRAFT PLANS
STA 580+00 TO STA 609+00

SHEET IDENTIFICATION
C-106
SHEET 9 OF 12

STA 609+00 TO STA 636+00



NOTES:

1. FOR CROSS SECTIONS SEE SHEETS C-301 TO C-302.
2. BERM WILL EXTEND LANDWARD OF REFERENCE LINE TO MEET EXISTING 9.3' ELEVATION AT SPECIFIED LOCATIONS DRAWN ON PLANS.
3. ALL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) UNLESS NOTED OTHERWISE ON DRAWINGS.
4. PIPE #44 PROPOSED EXTENSION LENGTH IS APPROXIMATELY 296FT WITH TIMBER CRIBBING.
4. PIPE #45 PROPOSED EXTENSION LENGTH IS APPROXIMATELY 270FT WITH TIMBER CRIBBING.

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

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FILE NAME: C-107.dgn
DATE: 30 OCTOBER 2013
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

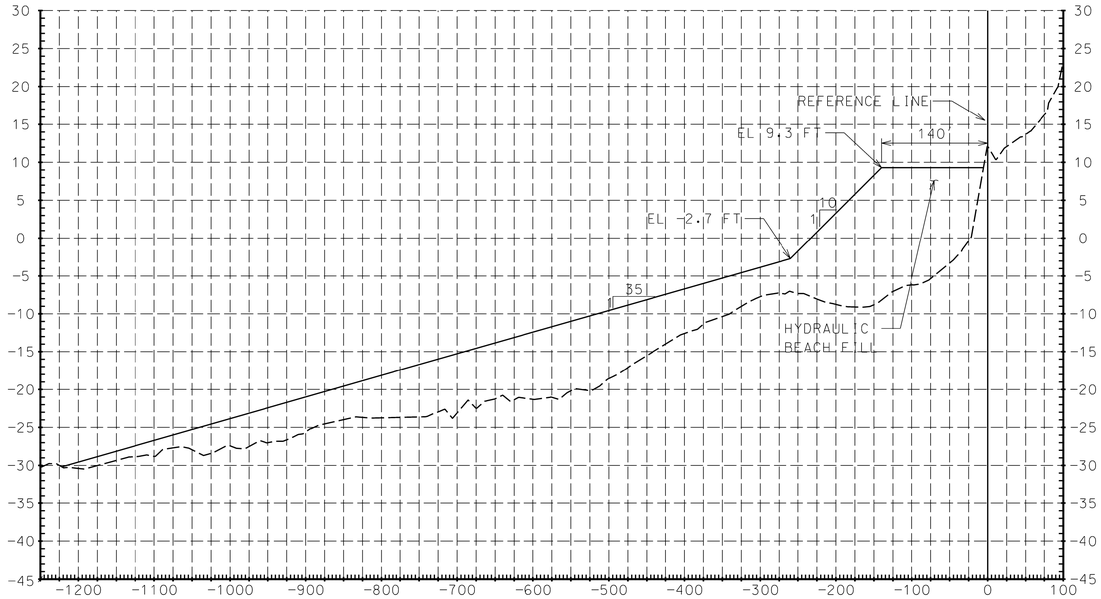
BEACH EROSION CONTROL PROJECT
DEAL, NJ

BEACH FILL DRAFT PLANS
STA 609+00 TO STA 636+00

SHEET IDENTIFICATION
C-107
SHEET 10 OF 12

CROSS SECTIONS

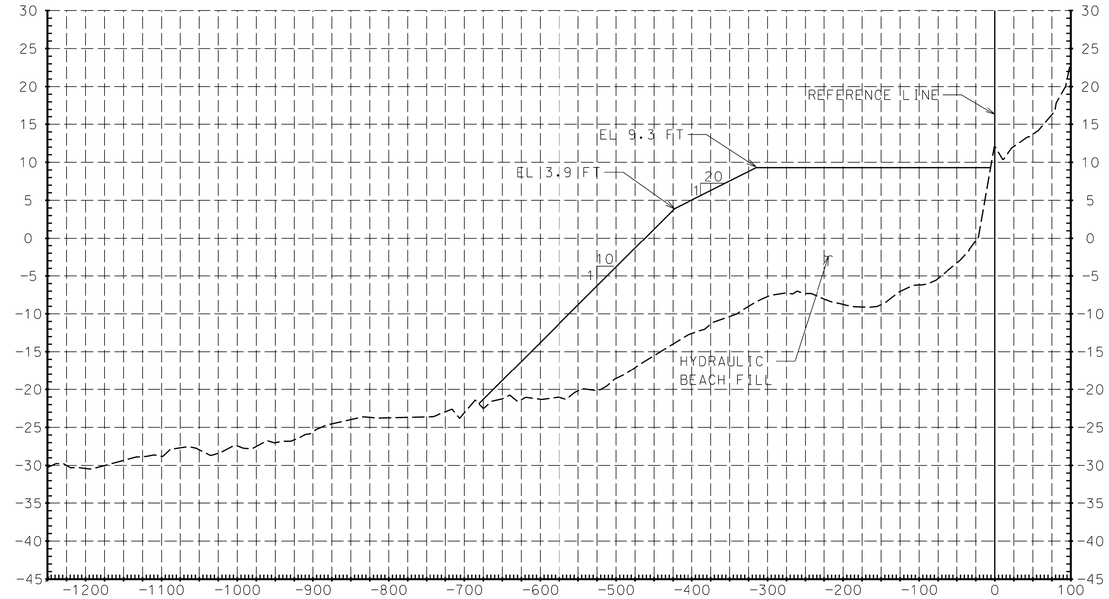
DESIGN TEMPLATE



485+00

(NEAR PULLMAN AVENUE- ELBERON, NJ)

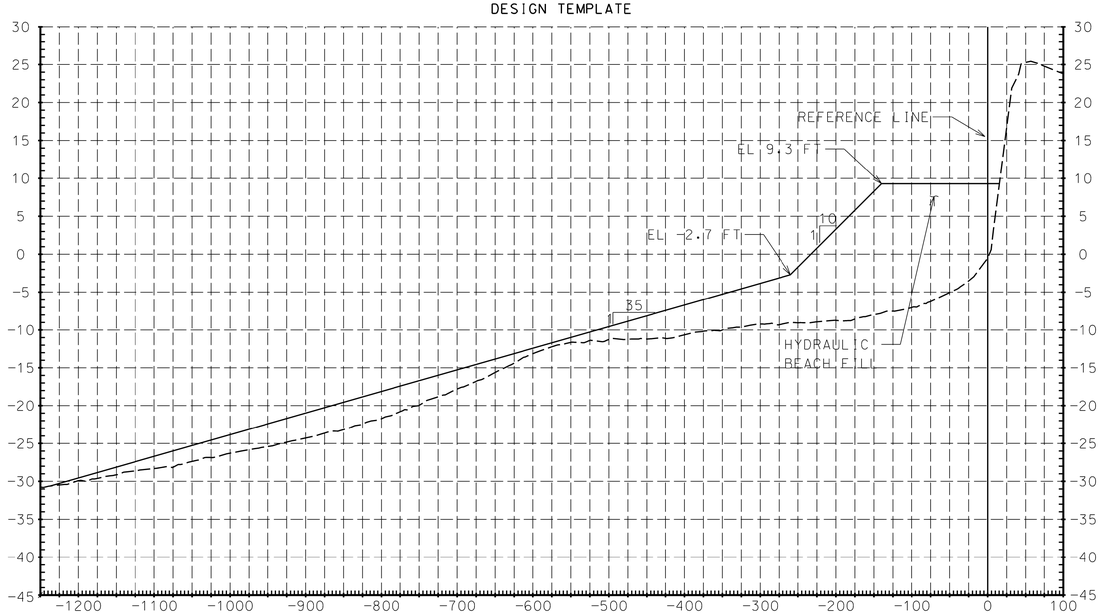
CONSTRUCTION TEMPLATE



485+00

(NEAR PULLMAN AVENUE- ELBERON, NJ)

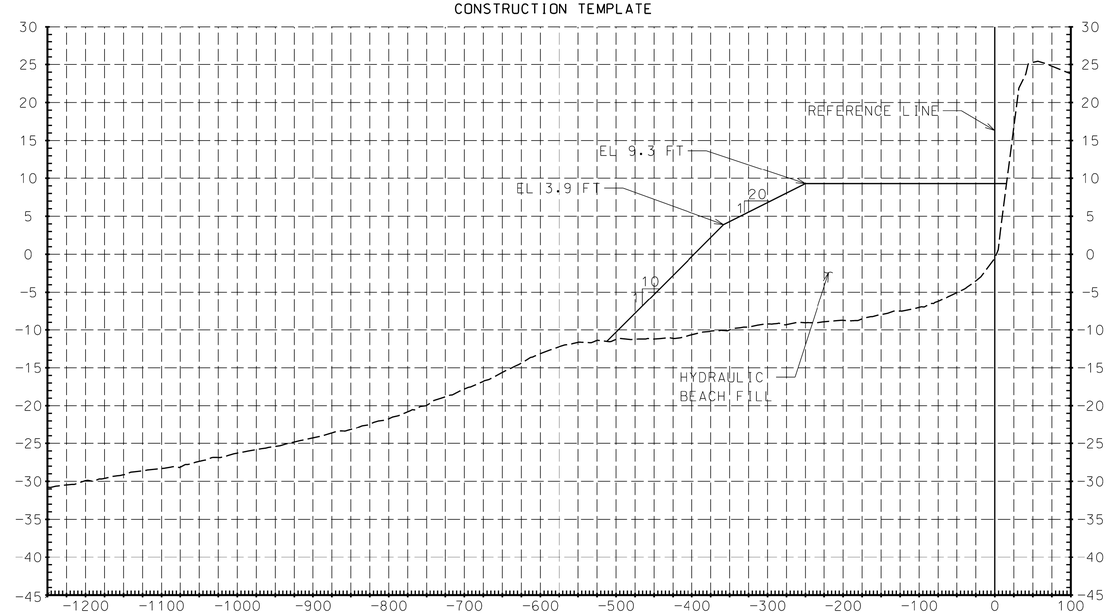
DESIGN TEMPLATE



596+00

(MONMOUTH DRIVE- DEAL, NJ)

CONSTRUCTION TEMPLATE



596+00

(MONMOUTH DRIVE- DEAL, NJ)

NOTE:

1. CONSTRUCTION BERM WIDTH VARIES.
REFER TO PLAN SHEETS FOR BERM WIDTHS.

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

V: 0 10' 20'
SCALE: 1"= 10'

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FILE NAME: C-302.dgn

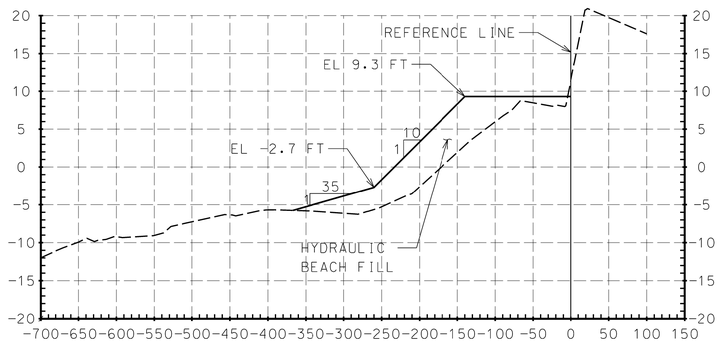
BEACH EROSION CONTROL PROJECT
DEAL, NJ

CROSS SECTIONS

SHEET IDENTIFICATION
C-302
SHEET 12 OF 12

CROSS SECTIONS

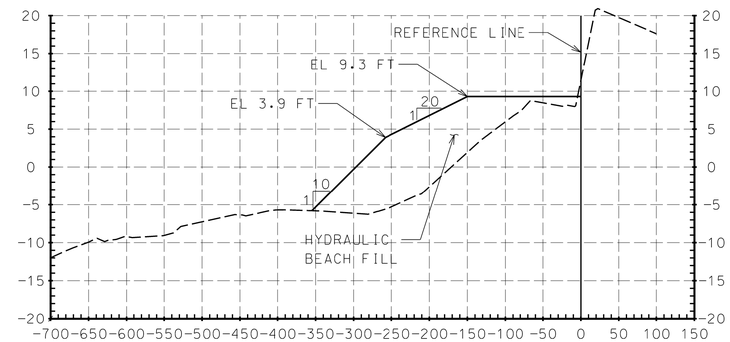
DESIGN TEMPLATE



STA 612+00

(BETWEEN CEDAR AVENUE AND SPIER AVENUE- ALLENHURST, NJ)

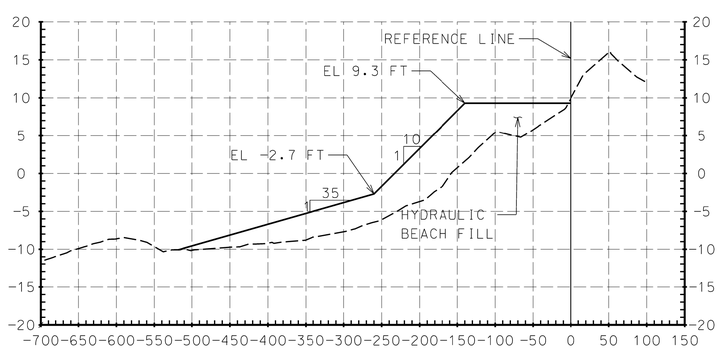
CONSTRUCTION TEMPLATE



STA 612+00

(BETWEEN CEDAR AVENUE AND SPIER AVENUE- ALLENHURST, NJ)

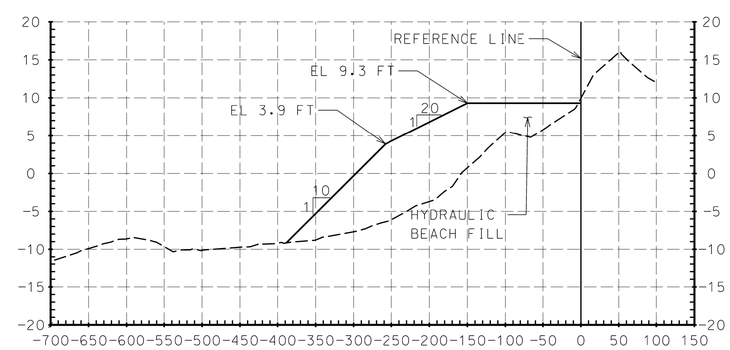
DESIGN TEMPLATE



STA 628+00

(EUCLID AVENUE- LOCH ARBOUR, NJ)

CONSTRUCTION TEMPLATE



STA 628+00

(EUCLID AVENUE- LOCH ARBOUR, NJ)

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

V: 0 10' 20'
SCALE: 1"= 10'

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ISSUE DATE:
SIZE: ANSI D
FILE NAME: C-301.dgn
DATE: 30 OCTOBER 2013
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

BEACH EROSION CONTROL PROJECT
DEAL, NJ

CROSS SECTIONS

SHEET IDENTIFICATION
C-301
SHEET 11 OF 12