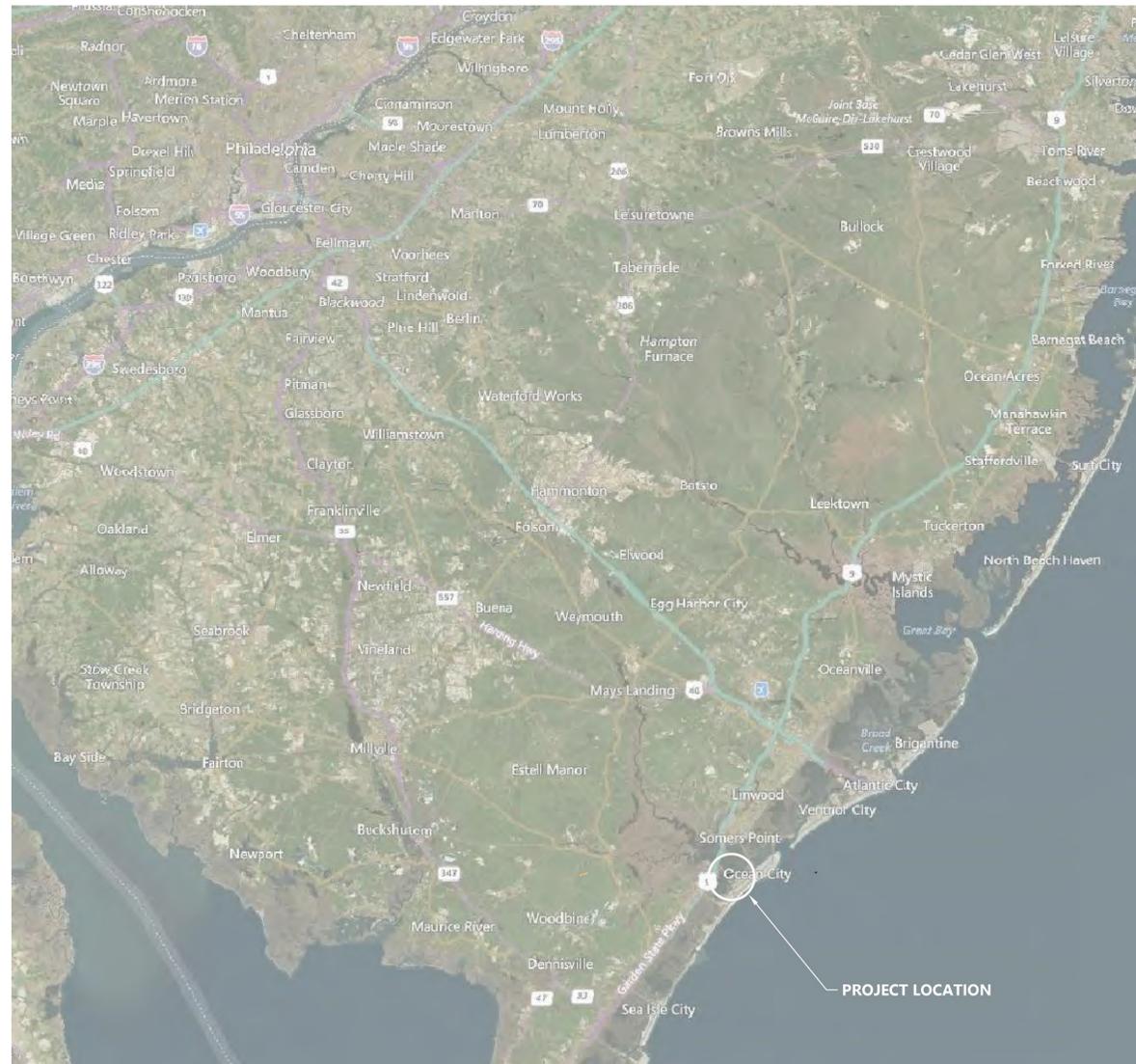


APPENDIX D

Shooting Island Restoration Plans

SHOOTING ISLAND RESTORATION: LIVING SHORELINE AND HABITAT CONSTRUCTION

CITY OF OCEAN CITY, NEW JERSEY CONTRACT NO. 18-32
NATIONAL FISH AND WILDLIFE FOUNDATION GRANT ID 44068



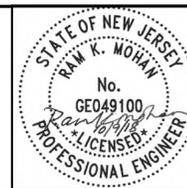
Sheet List Table		
Sheet Number	Sheet Description	Sheet Title
1	T-01	TITLE SHEET
2	G-01	SITE OVERVIEW
3	G-02	GENERAL NOTES AND ABBREVIATIONS
4	E-01	EXISTING CONDITIONS AND PROPOSED LIVING SHORELINE ALIGNMENT
5	C-01	WESTERN LIVING SHORELINE ALIGNMENT LAYOUT STA. 0+00 TO 5+00
6	C-02	WESTERN LIVING SHORELINE ALIGNMENT LAYOUT STA. 5+00 TO 9+00
7	C-03	WESTERN LIVING SHORELINE ALIGNMENT LAYOUT STA. 9+00 TO 12+00
8	C-04	WESTERN LIVING SHORELINE ALIGNMENT LAYOUT STA. 12+00 TO END
9	C-05	NORTHERN LIVING SHORELINE ALIGNMENT LAYOUT STA. 100+00 TO 105+00
10	C-06	NORTHERN LIVING SHORELINE ALIGNMENT LAYOUT STA. 105+00 TO 110+00
11	C-07	NORTHERN LIVING SHORELINE ALIGNMENT LAYOUT STA. 110+00 TO 115+00
12	C-08	NORTHERN LIVING SHORELINE ALIGNMENT LAYOUT STA. 115+00 TO 121+00
13	C-09	NORTHERN LIVING SHORELINE ALIGNMENT LAYOUT STA. 121+00 TO END
14	C-10	DETAILS AND CROSS SECTIONS 1 OF 2
15	C-11	DETAILS AND CROSS SECTIONS 2 OF 2
16	C-12	OYSTER HABITAT BLOCK DETAILS



0 30000 60000
SCALE IN FEET

ONE INCH
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY

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REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	9/27/2018	BDH	RKM	ADDITION OF SILL WINDOWS AND OYSTER HABITAT BLOCK MODIFICATIONS

DESIGNED BY: A. CANNON
DRAWN BY: B. HURRY
CHECKED BY: M. HENDERSON
APPROVED BY: R. MOHAN
SCALE: AS NOTED
DATE: OCTOBER 9, 2018

**SHOOTING ISLAND RESTORATION
CITY OF OCEAN CITY, NJ
NATIONAL FISH AND WILDLIFE FOUNDATION GRANT**

TITLE SHEET

T-01

SHEET NO. 1 OF 16



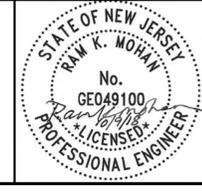
SOURCE: Aerial from Bing Maps, 2018
HORIZONTAL DATUM: New Jersey State Plane, NAD83, U.S. Feet.
VERTICAL DATUM: Vertical Datum of 1988 (NAVD88).


 NORTH


 SCALE IN FEET

ONE INCH
 AT FULL SIZE, IF NOT ONE
 INCH SCALE ACCORDINGLY

K:\Projects\1314\ACT Engineers Inc\NFMF Egg Harbor Bay\Construction Plans\C-001_Design Set.dwg G-01
 Oct 09 2018 4:57pm bhurry



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: A. CANNON
 DRAWN BY: B. HURRY
 CHECKED BY: M. HENDERSON
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: OCTOBER 9, 2018

SHOOTING ISLAND RESTORATION
CITY OF OCEAN CITY, NJ
NATIONAL FISH AND WILDLIFE FOUNDATION GRANT

SITE OVERVIEW

G-01

SHEET NO. 2 OF 16

GENERAL NOTES

1. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY MATERIALLY FROM THOSE SHOWN IN THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE DRAWINGS WITHOUT THE WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
3. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS AND OTHER APPLICABLE REGULATORY REQUIREMENTS.
5. THE CONTRACTOR SHALL ABIDE BY THE REQUIREMENTS OF THE TECHNICAL SPECIFICATIONS AND THE CONTRACTOR'S HEALTH AND SAFETY PLAN (HASP), AS APPROPRIATE, AS WELL AS APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
6. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF SITE PERSONNEL.
7. THE CONTRACTOR SHALL ADEQUATELY PROTECT ALL EXISTING STRUCTURES OR UTILITIES. ANY DAMAGE TO EXISTING STRUCTURES, SHORELINES, OR UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
8. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL UTILITY MARKOUTS AND FORWARDING CONFIRMATION OF NOTIFICATION TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ANY AND ALL NECESSARY PERMITS FROM THE AFFECTED UTILITY COMPANIES AND FOR SCHEDULING OF INSPECTIONS BY UTILITY COMPANY PERSONNEL, IF REQUIRED, DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEDIMENT CONTROL MEASURES DURING THE CONSTRUCTION PERIOD, AS REQUIRED BY THE PERMITS, LOCAL ORDINANCES, PLANS, AND SPECIFICATIONS.
10. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A NEAT AND ORDERLY SITE, YARD AND GROUNDS. REMOVE AND DISPOSE OFF SITE ALL RUBBISH, WASTE MATERIALS, LITTER, AND ALL FOREIGN SUBSTANCES. PROMPTLY NOTIFY APPROPRIATE AUTHORITIES AND OWNER'S REPRESENTATIVE, AND REMOVE PETRO-CHEMICAL SPILLS, STAINS AND OTHER FOREIGN DEPOSITS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
11. THE CONTRACTOR SHALL FIELD VERIFY SEDIMENT PHYSICAL PROPERTIES AND OTHER SITE FEATURES. CONTRACTOR ACKNOWLEDGES THAT THEY HAVE UNDERTAKEN ANY PRE-BID INVESTIGATION THEY DEEM NECESSARY TO DETERMINE TO COMPOSITION, SIZE, SHAPE, LOCATION AND DEPTH OF MATERIALS THAT WILL BE ENCOUNTERED.
12. NON-CONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE PRIOR TO CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE APPROVAL BY THE OWNER'S REPRESENTATIVE.
13. THE CONTRACTOR IS ADVISED THAT ALL LOCAL PUBLIC NUISANCE LAWS AND NOISE ORDINANCES SHALL BE OBSERVED DURING THE COURSE OF CONSTRUCTION.
14. THE CONTRACTOR SHALL RESTORE ALL PUBLIC OR PRIVATE PROPERTY AFFECTED BY CONSTRUCTION ACTIVITIES TO AT LEAST AS GOOD OF CONDITION AS BEFORE CONSTRUCTION ACTIVITIES, AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
15. IN THE EVENT OF CONFLICT BETWEEN THESE DRAWINGS AND THE TECHNICAL SPECIFICATIONS THE TECHNICAL SPECIFICATIONS SHALL GOVERN.
16. THE CONTRACTOR SHALL NOT STORE OR STAGE EQUIPMENT OR MATERIALS ON SHOOTING ISLAND
- ▲ 17. CONSTRUCTION ELEVATIONS HAVE BEEN ESTABLISHED CONSIDERING ANTICIPATED SETTLEMENT AND CONSOLIDATION ESTIMATES.
18. SILL WINDOWS HAVE BEEN DESIGNED AND POSITIONED IN ACCORDANCE WITH USACE AND NOAA RECOMMENDATIONS.

DATUM NOTES

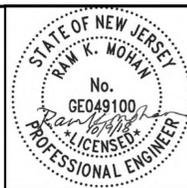
1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE, NAD 83, U.S. FEET.
2. VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

DATA SOURCES

1. BATHYMETRIC SURVEY DATA WAS COLLECTED BY ACT ENGINEERS IN FEBRUARY 2017.
2. BASEMAPS PROVIDED BY THE CITY OF OCEAN CITY, JULY 2015

K:\Projects\1314-ACT Engineers Inc\NFMF Egg Harbor Bay\Construction Plans\001-Design Set.dwg G-02 Oct 10, 2018 11:58am cward

ONE INCH
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY



REVISIONS					
REV	DATE	BY	APP'D	DESCRIPTION	
▲	9/27/2018	BDH	RKM	ADDITION OF SILL WINDOWS AND OYSTER HABITAT BLOCK MODIFICATIONS	

DESIGNED BY: A. CANNON
 DRAWN BY: B. HURRY
 CHECKED BY: M. HENDERSON
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: OCTOBER 9, 2018

**SHOOTING ISLAND RESTORATION
 CITY OF OCEAN CITY, NJ
 NATIONAL FISH AND WILDLIFE FOUNDATION GRANT**

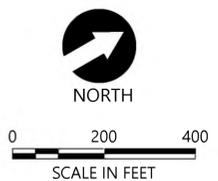
GENERAL NOTES AND ABBREVIATIONS

G-02



Description	Elevation (Feet, NAVD88)
High Tide Line	2.90
Spring High Tide	2.22
Mean Higher High Water Line	1.95
Mean High Water	1.55
Mean Low Water	-2.23
Mean Lower Low Water	-2.38

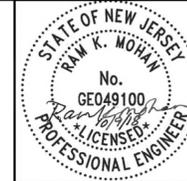
- LEGEND:**
- PROPOSED LIVING SHORELINE SILL
 - - - - PROPOSED OYSTER HABITAT BLOCKS
 - 1978 SHORELINE
 - - - - 1978 TIDAL CREEK
 - 2017 SURVEY ELEVATION CONTOURS, 1 AND 5 FOOT, NAVD88
 - 2017 SURVEY SHORELINE (ELEVATION 0, NAVD88)
 - 2017 SURVEY OPEN WATER BOUNDARY
 - ▣ 2017 SURVEY OSPREY NEST
 - GREEN 265 CHANNEL MARKER



- NOTES:**
- HORIZONTAL DATUM: NEW JERSEY STATE PLANE, NAD83, U.S. FEET.
 - VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
 - AERIAL IMAGERY WAS OBTAINED FROM THE NJGIN INFORMATION WAREHOUSE, DATED 2007.

ONE INCH = 400 FEET AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY.

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REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	7/18/2018	BDH	RKM	REMOVE ARTIFACT OYSTER BLOCK CLUSTER
2	7/26/2018	BDH	RKM	ADDITION OF SILL VENTS
3	9/27/2018	BDH	RKM	ADDITION OF SILL WINDOWS AND OYSTER HABITAT BLOCK MODIFICATIONS

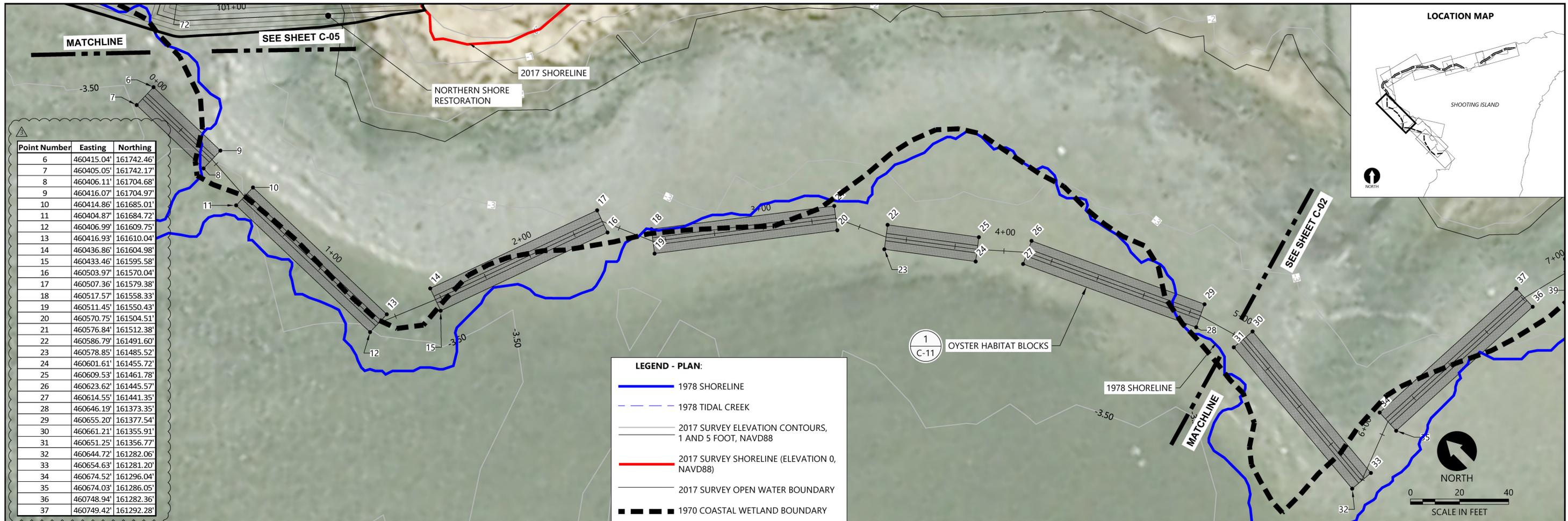
DESIGNED BY: A. CANNON
 DRAWN BY: B. HURRY
 CHECKED BY: M. HENDERSON
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: OCTOBER 9, 2018

**SHOOTING ISLAND RESTORATION
 CITY OF OCEAN CITY, NJ
 NATIONAL FISH AND WILDLIFE FOUNDATION GRANT**

**EXISTING CONDITIONS AND PROPOSED
 LIVING SHORELINE ALIGNMENT**

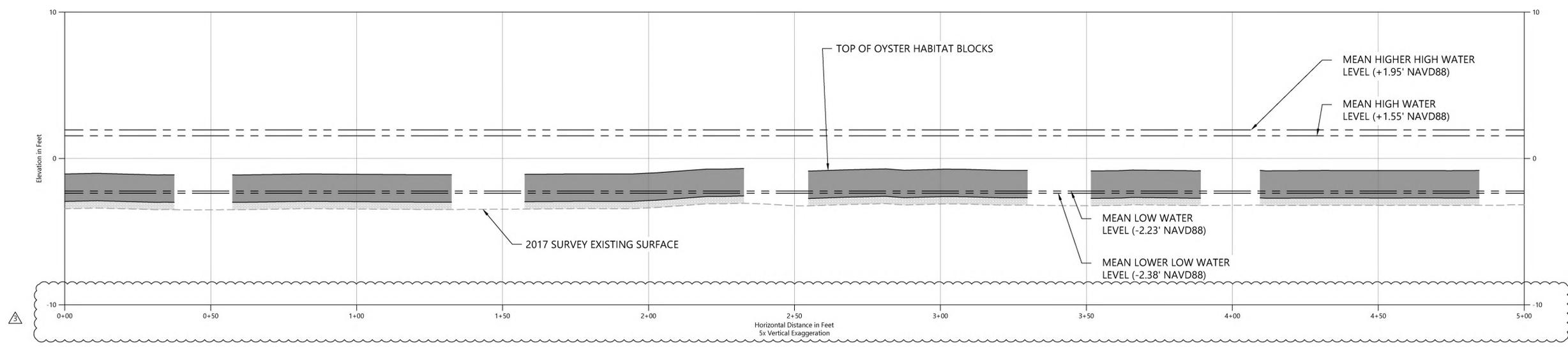
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SHEET NO. **4** OF **16**

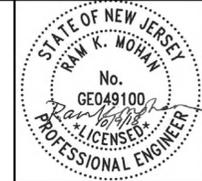


Point Number	Easting	Northing
6	460415.04'	161742.46'
7	460405.05'	161742.17'
8	460406.11'	161704.68'
9	460416.07'	161704.97'
10	460414.86'	161685.01'
11	460404.87'	161684.72'
12	460406.99'	161609.75'
13	460416.93'	161610.04'
14	460436.86'	161604.98'
15	460433.46'	161595.58'
16	460503.97'	161570.04'
17	460507.36'	161579.38'
18	460517.57'	161558.33'
19	460511.45'	161550.43'
20	460570.75'	161504.51'
21	460576.84'	161512.38'
22	460586.79'	161491.60'
23	460578.85'	161485.52'
24	460601.61'	161455.72'
25	460609.53'	161461.78'
26	460623.62'	161445.57'
27	460614.55'	161441.35'
28	460646.19'	161373.35'
29	460655.20'	161377.54'
30	460661.21'	161355.91'
31	460651.25'	161356.77'
32	460644.72'	161282.06'
33	460654.63'	161281.20'
34	460674.52'	161296.04'
35	460674.03'	161286.05'
36	460748.94'	161282.36'
37	460749.42'	161292.28'

PLAN



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REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	9/27/2018	BDH	RKM	ADDITION OF SILL WINDOWS AND OYSTER HABITAT BLOCK MODIFICATIONS.

DESIGNED BY: A. CANNON
 DRAWN BY: B. HURRY
 CHECKED BY: M. HENDERSON
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: OCTOBER 9, 2018

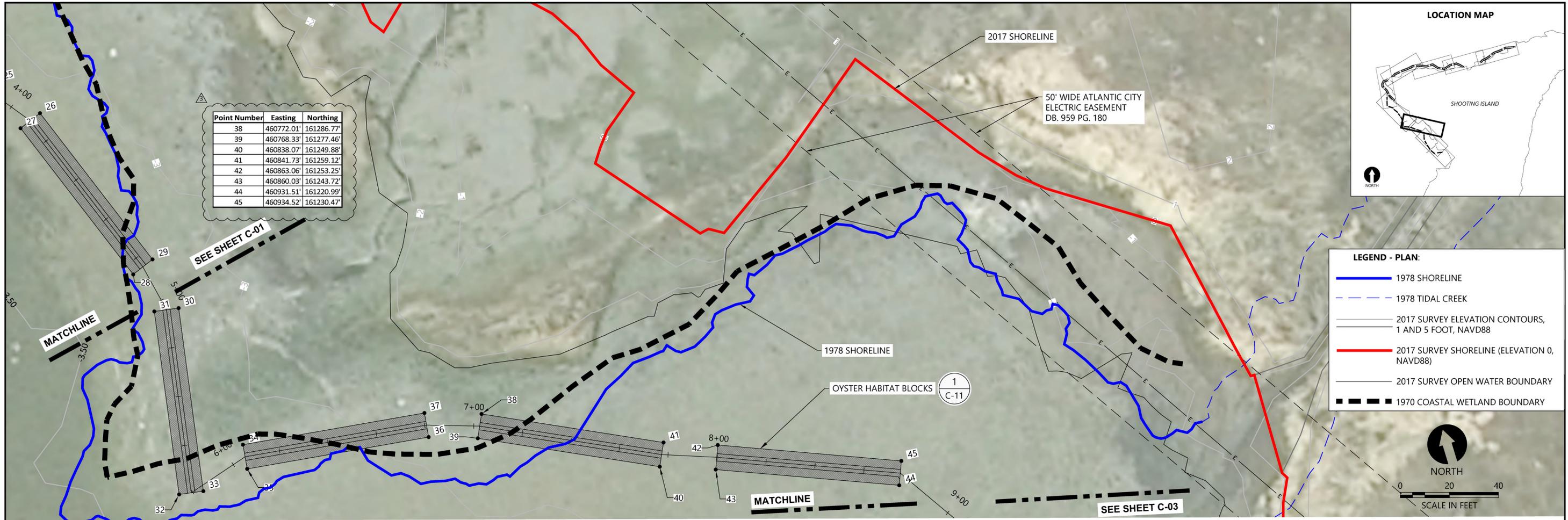
SHOOTING ISLAND RESTORATION
CITY OF OCEAN CITY, NJ
NATIONAL FISH AND WILDLIFE FOUNDATION GRANT

WESTERN LIVING SHORELINE
ALIGNMENT LAYOUT STA. 0+00 TO 5+00

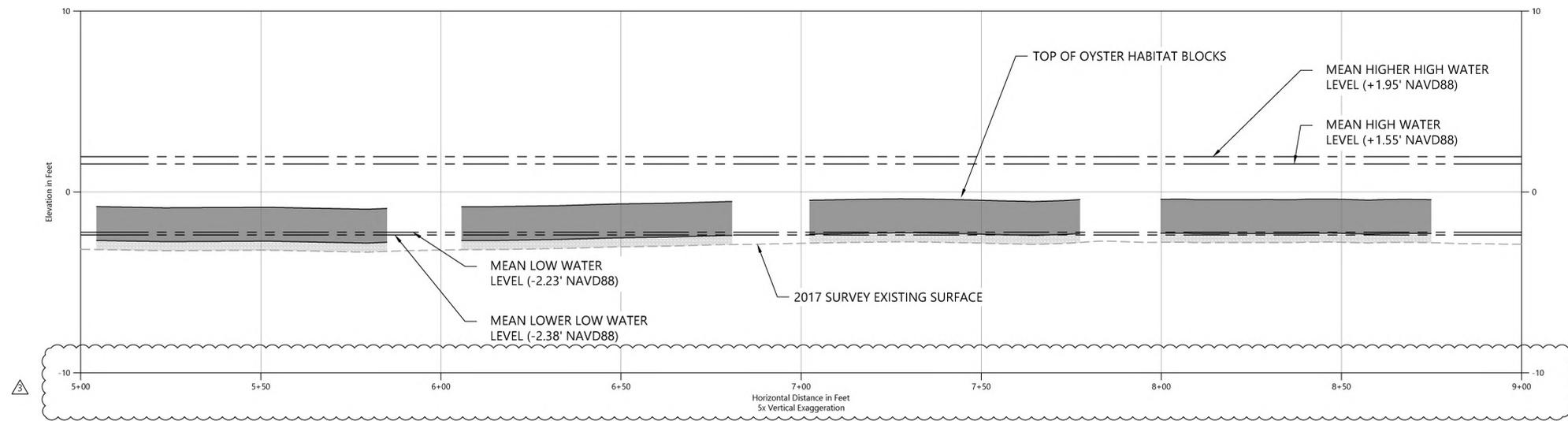
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SHEET NO. **5** OF **16**

ONE INCH = 40 FEET
 AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

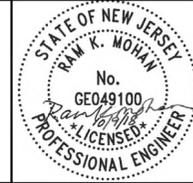


PLAN



PROFILE

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REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	9/27/2018	BDH	RKM	ADDITION OF SILL WINDOWS AND OYSTER HABITAT BLOCK MODIFICATIONS

DESIGNED BY: A. CANNON
 DRAWN BY: B. HURRY
 CHECKED BY: M. HENDERSON
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: OCTOBER 9, 2018

SHOOTING ISLAND RESTORATION
CITY OF OCEAN CITY, NJ
NATIONAL FISH AND WILDLIFE FOUNDATION GRANT

WESTERN LIVING SHORELINE
ALIGNMENT LAYOUT STA. 5+00 TO 9+00

C-02

SHEET NO. 6 OF 16

ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

LOCATION MAP



Point Number	Easting	Northing
46	460979.12'	161172.11'
47	460969.13'	161171.73'
48	460971.98'	161096.78'
49	460981.91'	161097.17'
50	460991.95'	161075.28'
51	460983.28'	161070.35'
52	461006.38'	161029.68'
53	461015.02'	161034.59'
54	461027.93'	161013.47'
55	461019.49'	161008.11'
56	461059.66'	160944.77'
57	461068.05'	160950.10'

SEE SHEET C-02

50' WIDE ATLANTIC CITY ELECTRIC EASEMENT DB. 959 PG. 180

2017 SHORELINE

1978 SHORELINE

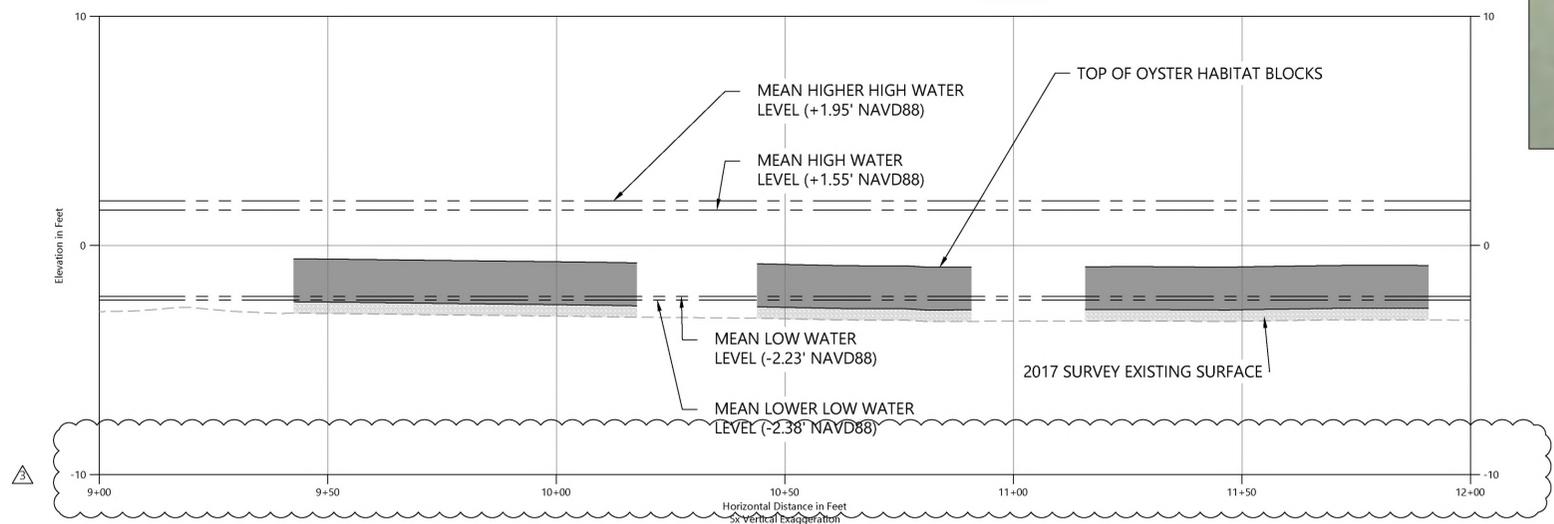
1 OYSTER HABITAT BLOCKS C-11

SEE SHEET C-04

LEGEND - PLAN:

- 1978 SHORELINE
- 1978 TIDAL CREEK
- 2017 SURVEY ELEVATION CONTOURS, 1 AND 5 FOOT, NAVD88
- 2017 SURVEY SHORELINE (ELEVATION 0, NAVD88)
- 2017 SURVEY OPEN WATER BOUNDARY
- 1970 COASTAL WETLAND BOUNDARY

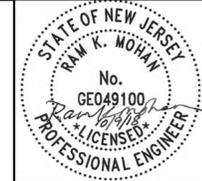
PLAN



PROFILE

ONE INCH = 10 FEET
AT FULL SIZE; IF NOT ONE INCH SCALE ACCORDINGLY

K:\Projects\1314-ACT Engineers Inc\NFMF Egg Harbor Bay\Construction Plans\C-001-Design Set.dwg C-03 Oct 10, 2018 11:58am cyard



REVISIONS				
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1	9/27/2018	BDH	RKM	ADDITION OF SILL WINDOWS AND OYSTER HABITAT BLOCK MODIFICATIONS

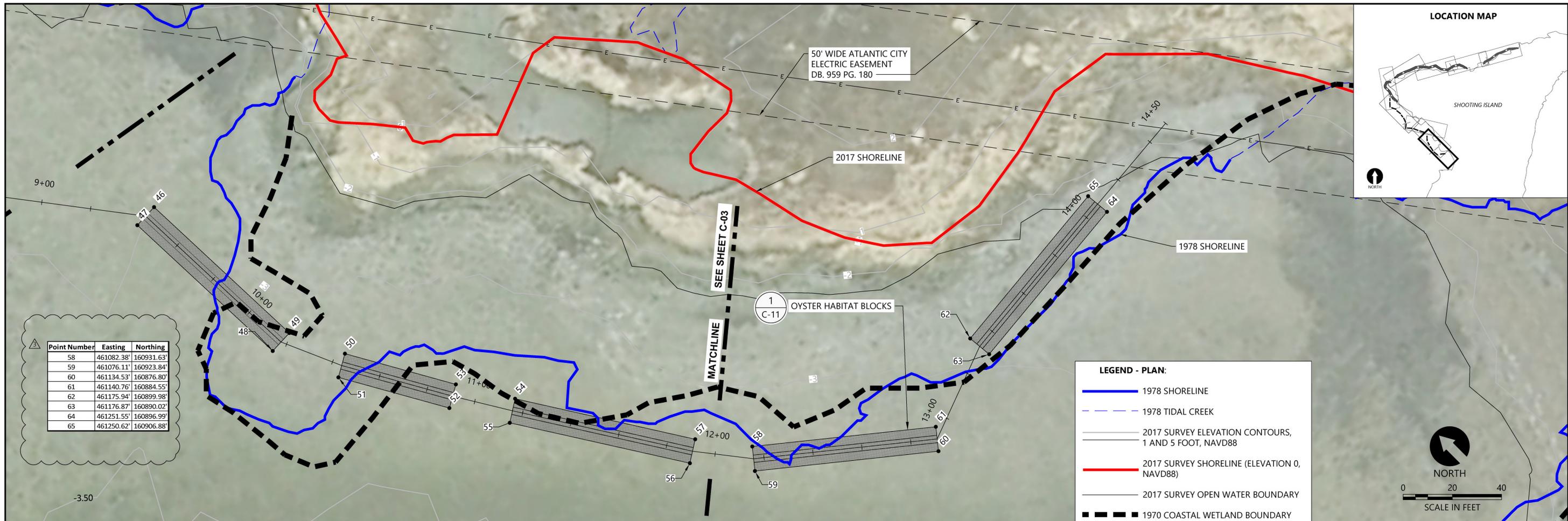
DESIGNED BY: A. CANNON
 DRAWN BY: B. HURRY
 CHECKED BY: M. HENDERSON
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: OCTOBER 9, 2018

SHOOTING ISLAND RESTORATION
 CITY OF OCEAN CITY, NJ
 NATIONAL FISH AND WILDLIFE FOUNDATION GRANT

WESTERN LIVING SHORELINE
 ALIGNMENT LAYOUT STA. 9+00 TO 12+00

C-03

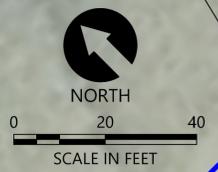
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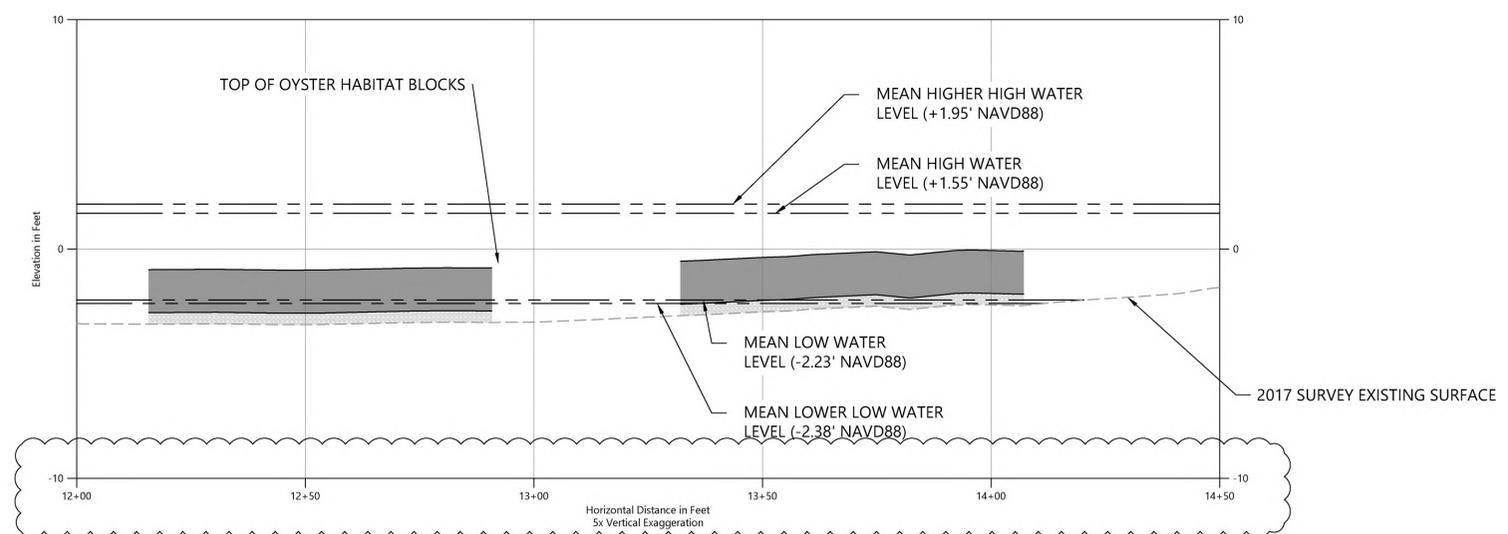
Point Number	Easting	Northing
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59	461076.11'	160923.84'
60	461134.53'	160876.80'
61	461140.76'	160884.55'
62	461175.94'	160899.98'
63	461176.87'	160890.02'
64	461251.55'	160896.99'
65	461250.62'	160906.88'

LEGEND - PLAN:

- 1978 SHORELINE
- 1978 TIDAL CREEK
- 2017 SURVEY ELEVATION CONTOURS, 1 AND 5 FOOT, NAVD88
- 2017 SURVEY SHORELINE (ELEVATION 0, NAVD88)
- 2017 SURVEY OPEN WATER BOUNDARY
- 1970 COASTAL WETLAND BOUNDARY



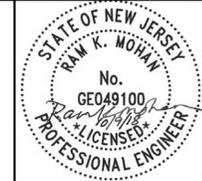
PLAN



PROFILE

ONE INCH
AT FULL SIZE. IF NOT ONE
INCH SCALE ACCORDINGLY

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REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	9/27/2018	BDH	RKM	ADDITION OF SILL WINDOWS AND OYSTER HABITAT BLOCK MODIFICATIONS.

DESIGNED BY: A. CANNON
 DRAWN BY: B. HURRY
 CHECKED BY: M. HENDERSON
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: OCTOBER 9, 2018

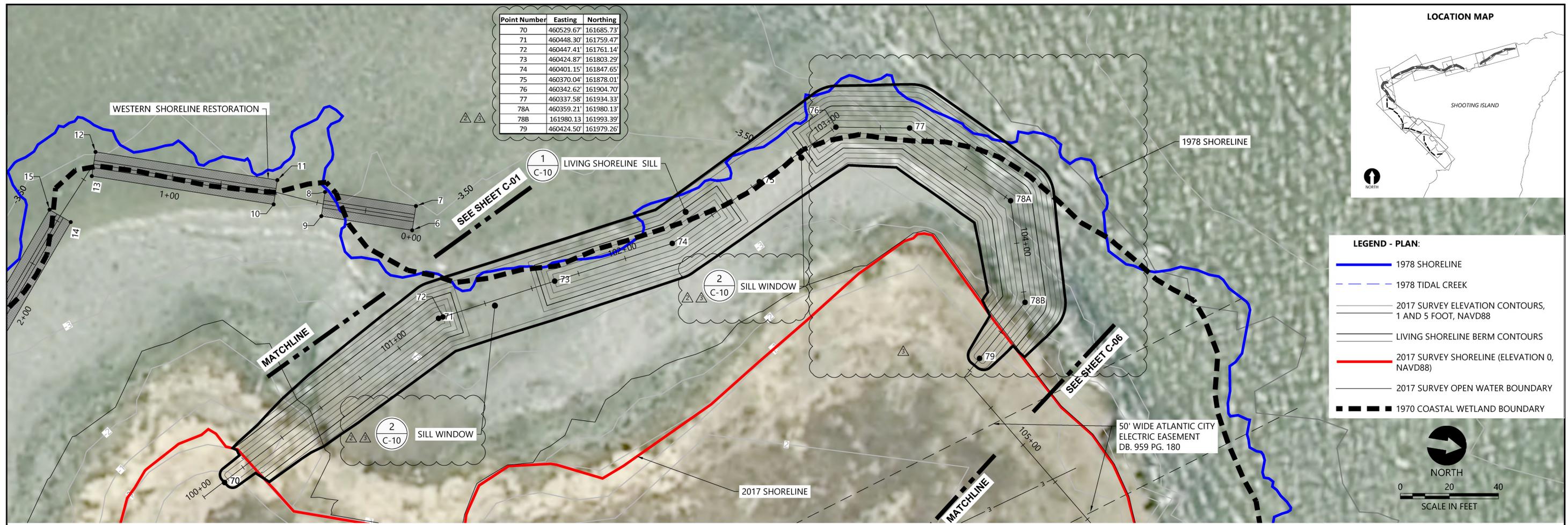
SHOOTING ISLAND RESTORATION
CITY OF OCEAN CITY, NJ
NATIONAL FISH AND WILDLIFE FOUNDATION GRANT

WESTERN LIVING SHORELINE
ALIGNMENT LAYOUT STA. 12+00 TO END

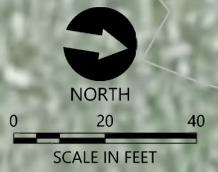
C-04

SHEET NO. **8** OF **16**

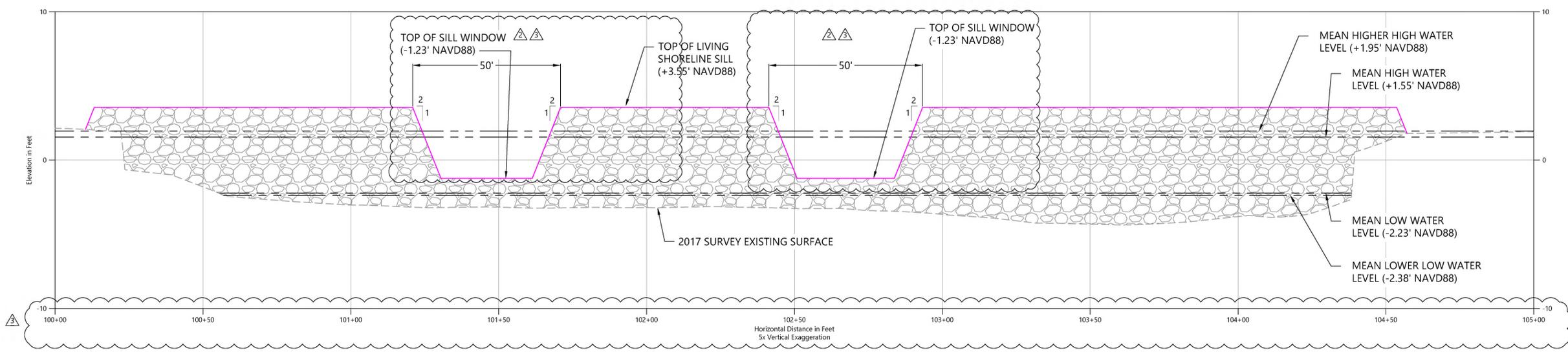
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72	460447.41	161761.14
73	460424.87	161803.29
74	460401.15	161847.65
75	460370.04	161878.01
76	460342.62	161904.70
77	460337.58	161934.33
78A	460359.21	161980.13
78B	161980.13	161993.39
79	460424.50	161979.26



- LEGEND - PLAN:**
- 1978 SHORELINE
 - - - 1978 TIDAL CREEK
 - 2017 SURVEY ELEVATION CONTOURS, 1 AND 5 FOOT, NAVD88
 - LIVING SHORELINE BERM CONTOURS
 - 2017 SURVEY SHORELINE (ELEVATION 0, NAVD88)
 - - - 2017 SURVEY OPEN WATER BOUNDARY
 - - - - 1970 COASTAL WETLAND BOUNDARY



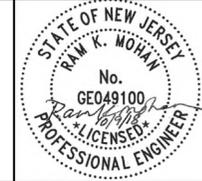
PLAN



PROFILE

ONE INCH = 10 FEET
AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY

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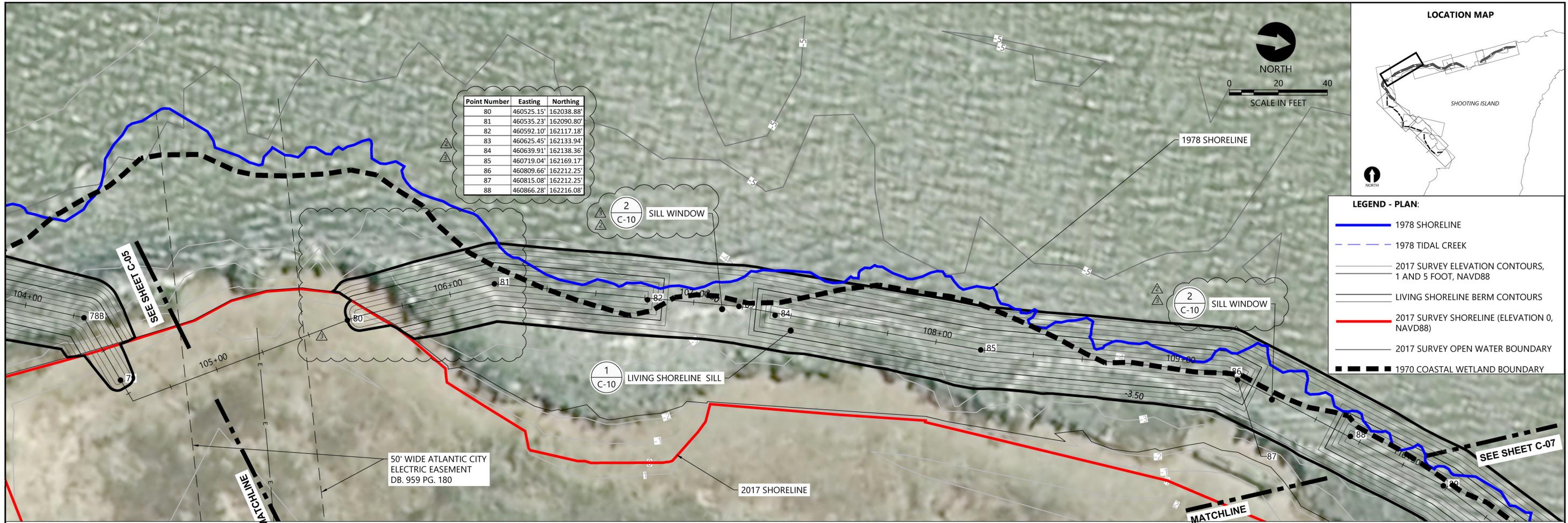
REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
1	7/26/2018	BDH	RKM	ADDITION OF SILL VENTS
2	9/27/2018	BDH	RKM	ADDITION OF SILL WINDOWS AND OYSTER HABITAT BLOCK MODIFICATIONS

DESIGNED BY: A. CANNON
 DRAWN BY: B. HURRY
 CHECKED BY: M. HENDERSON
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: OCTOBER 9, 2018

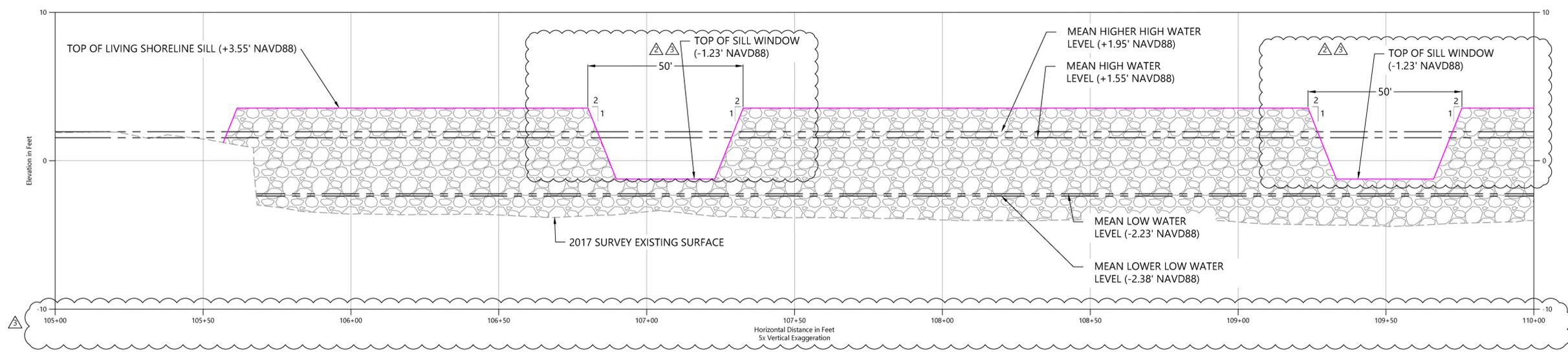
SHOOTING ISLAND RESTORATION
CITY OF OCEAN CITY, NJ
NATIONAL FISH AND WILDLIFE FOUNDATION GRANT

NORTHERN LIVING SHORELINE
ALIGNMENT LAYOUT STA. 100+00 TO
105+00

C-05
 SHEET NO. **9** OF **16**

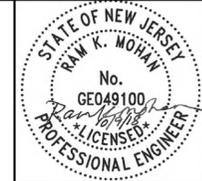


PLAN



PROFILE

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REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
7/26/2018	BDH	RKM		ADDITION OF SILL VENTS
9/27/2018	BDH	RKM		ADDITION OF SILL WINDOWS AND OYSTER HABITAT BLOCK MODIFICATIONS

DESIGNED BY: A. CANNON
 DRAWN BY: B. HURRY
 CHECKED BY: M. HENDERSON
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: OCTOBER 9, 2018

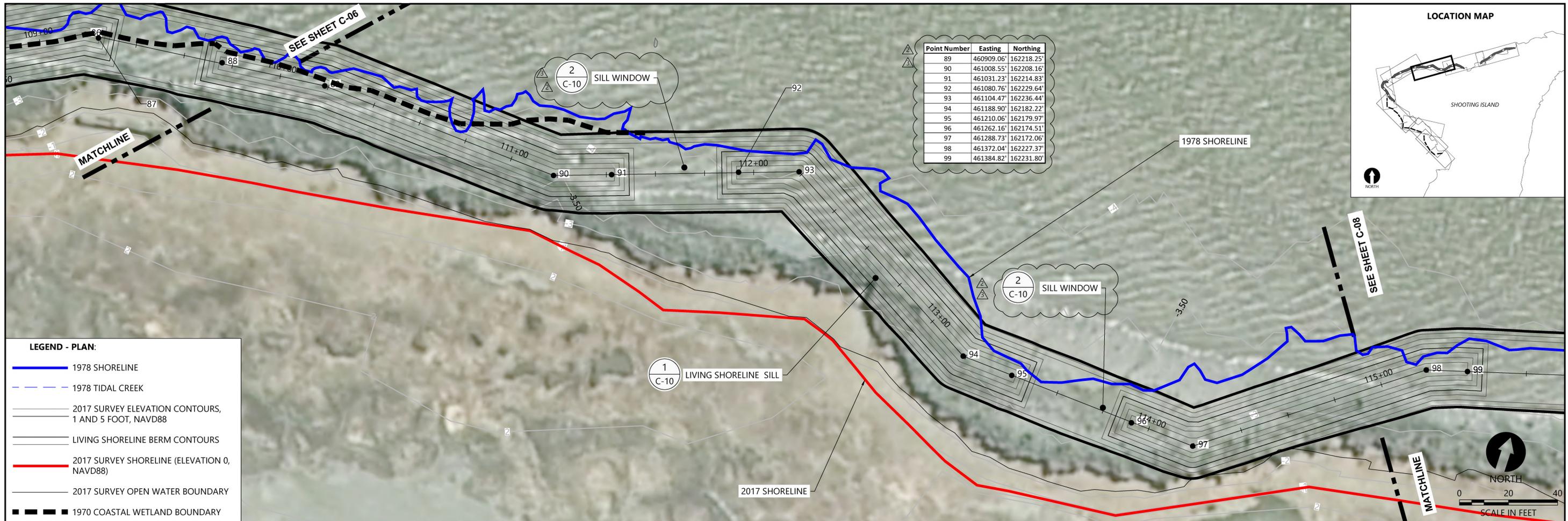
SHOOTING ISLAND RESTORATION
CITY OF OCEAN CITY, NJ
NATIONAL FISH AND WILDLIFE FOUNDATION GRANT

NORTHERN LIVING SHORELINE
ALIGNMENT LAYOUT STA. 105+00 TO 110+00

C-06

SHEET NO. 10 OF 16

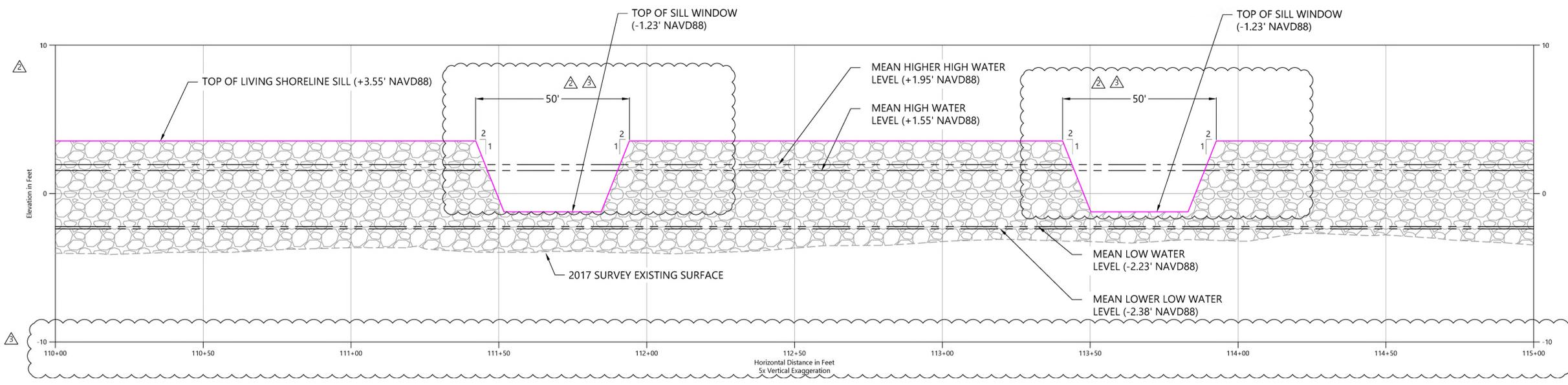
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LEGEND - PLAN:

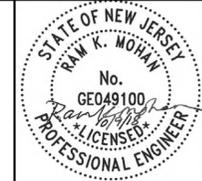
- 1978 SHORELINE
- - - 1978 TIDAL CREEK
- 2017 SURVEY ELEVATION CONTOURS, 1 AND 5 FOOT, NAVD88
- LIVING SHORELINE BERM CONTOURS
- 2017 SURVEY SHORELINE (ELEVATION 0, NAVD88)
- 2017 SURVEY OPEN WATER BOUNDARY
- - - 1970 COASTAL WETLAND BOUNDARY

PLAN



PROFILE

K:\Projects\1314-ACT Engineers Inc\NFWF Egg Harbor Bay\Construction Plans\C-001-Design Set.dwg C-07



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
△	7/26/2018	BDH	RKM	ADDITION OF SILL VENTS
△	9/27/2018	BDH	RKM	ADDITION OF SILL WINDOWS AND OYSTER HABITAT BLOCK MODIFICATIONS

DESIGNED BY: A. CANNON
 DRAWN BY: B. HURRY
 CHECKED BY: M. HENDERSON
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: OCTOBER 9, 2018

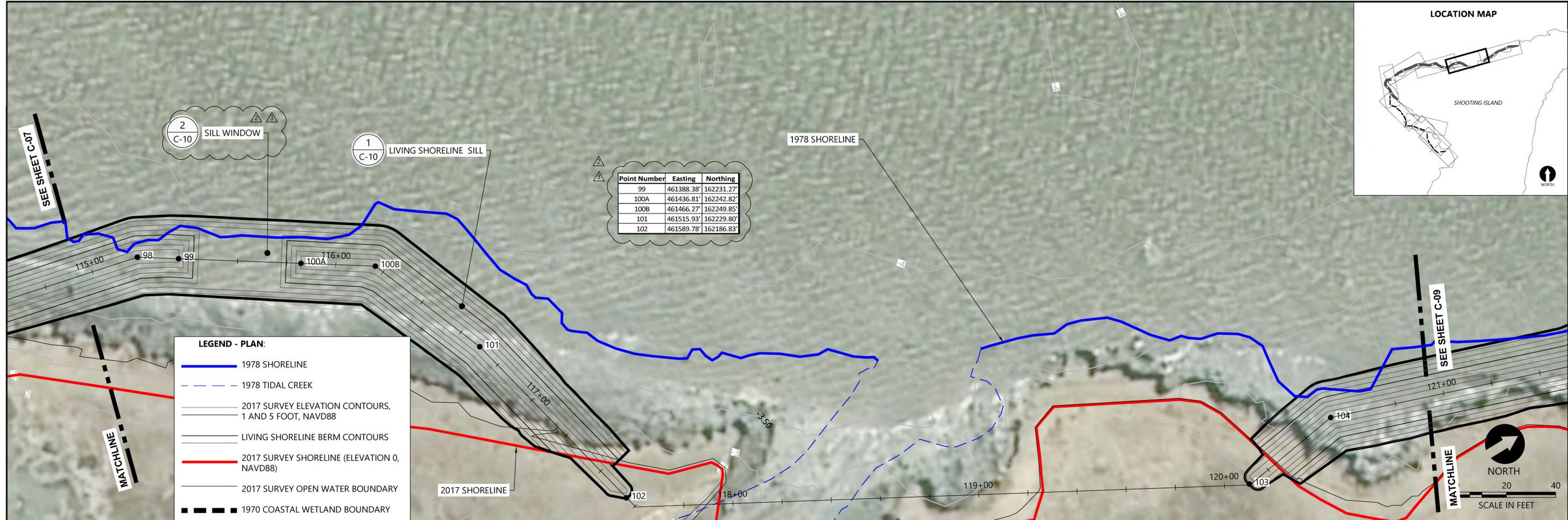
SHOOTING ISLAND RESTORATION
CITY OF OCEAN CITY, NJ
NATIONAL FISH AND WILDLIFE FOUNDATION GRANT

NORTHERN LIVING SHORELINE
ALIGNMENT LAYOUT STA. 110+00 TO
115+00

C-07

SHEET NO. 11 OF 16

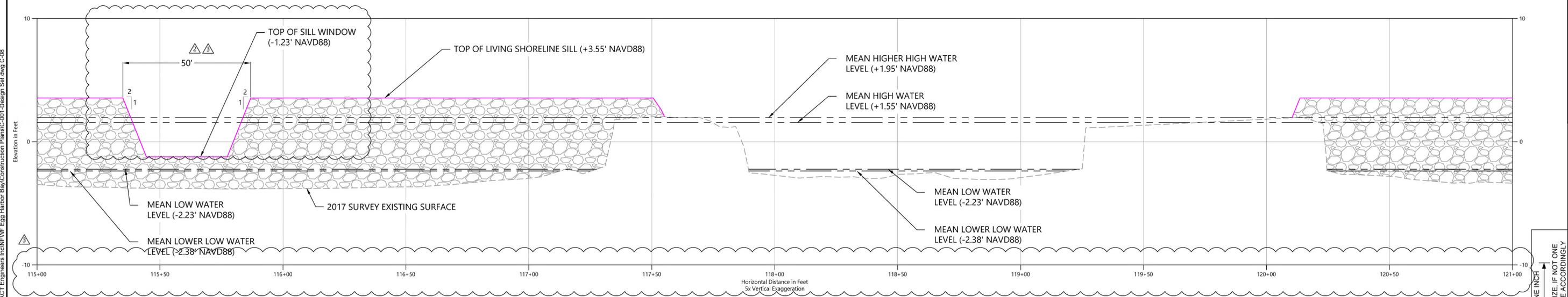
ONE INCH
AT FULL SIZE. IF NOT ONE
INCH SCALE ACCORDINGLY



Point Number	Easting	Northing
99	461388.38'	162231.27'
100A	461436.81'	162242.82'
100B	461466.27'	162249.85'
101	461515.93'	162229.80'
102	461589.78'	162186.83'

- LEGEND - PLAN:**
- 1978 SHORELINE
 - - - 1978 TIDAL CREEK
 - 2017 SURVEY ELEVATION CONTOURS, 1 AND 5 FOOT, NAVD88
 - LIVING SHORELINE BERM CONTOURS
 - 2017 SURVEY SHORELINE (ELEVATION 0, NAVD88)
 - 2017 SURVEY OPEN WATER BOUNDARY
 - - - 1970 COASTAL WETLAND BOUNDARY

PLAN



PROFILE

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REVISIONS					
REV	DATE	BY	APP'D	DESCRIPTION	
△	7/26/2018	BDH	RKM	ADDITION OF SILL VENTS	
△	9/27/2018	BDH	RKM	ADDITION OF SILL WINDOWS AND OYSTER HABITAT BLOCK MODIFICATIONS	

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 SCALE: AS NOTED
 DATE: OCTOBER 9, 2018

SHOOTING ISLAND RESTORATION
CITY OF OCEAN CITY, NJ
NATIONAL FISH AND WILDLIFE FOUNDATION GRANT

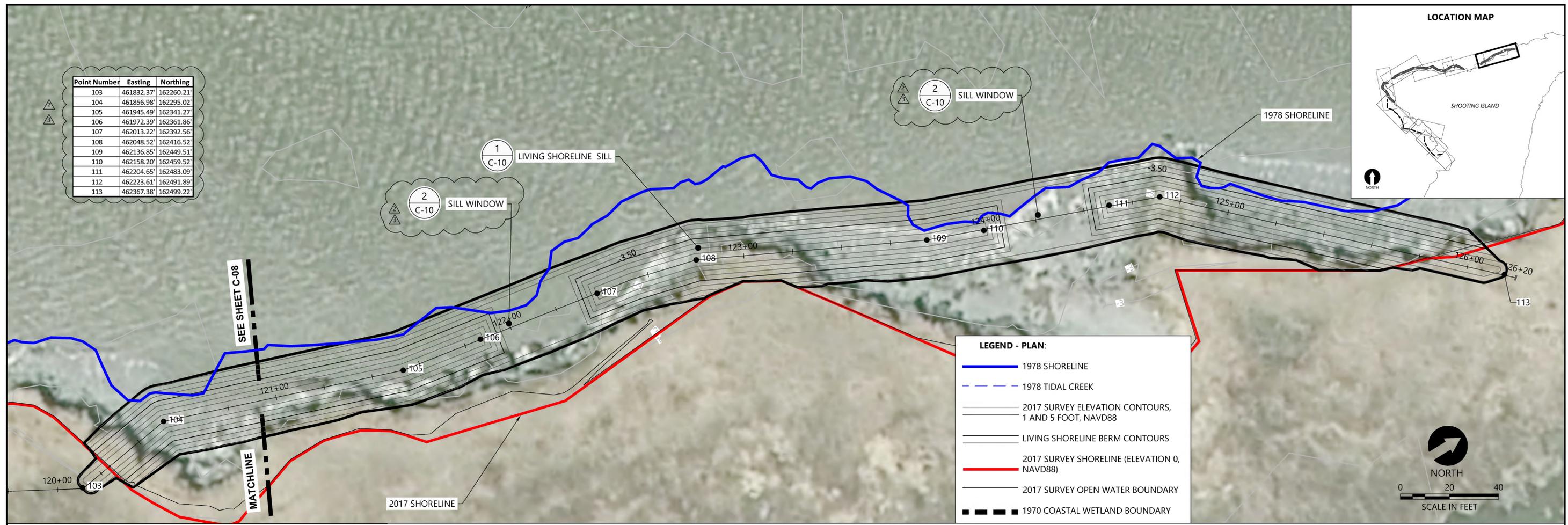
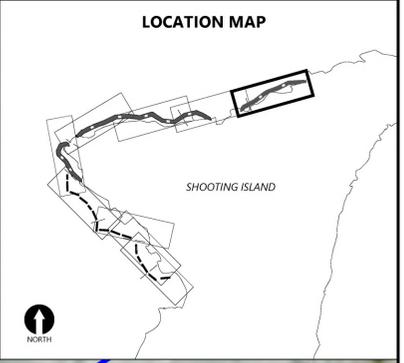
NORTHERN LIVING SHORELINE
ALIGNMENT LAYOUT STA. 115+00 TO
121+00

C-08

SHEET NO. **12** OF **16**

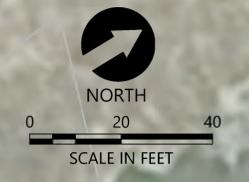
ONE INCH = 10 FEET
 AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY

Point Number	Easting	Northing
103	461832.37'	162260.21'
104	461856.98'	162295.02'
105	461945.49'	162341.27'
106	461972.39'	162361.86'
107	462013.22'	162392.56'
108	462048.52'	162416.52'
109	462136.85'	162449.51'
110	462158.20'	162459.52'
111	462204.65'	162483.09'
112	462223.61'	162491.89'
113	462367.38'	162499.22'

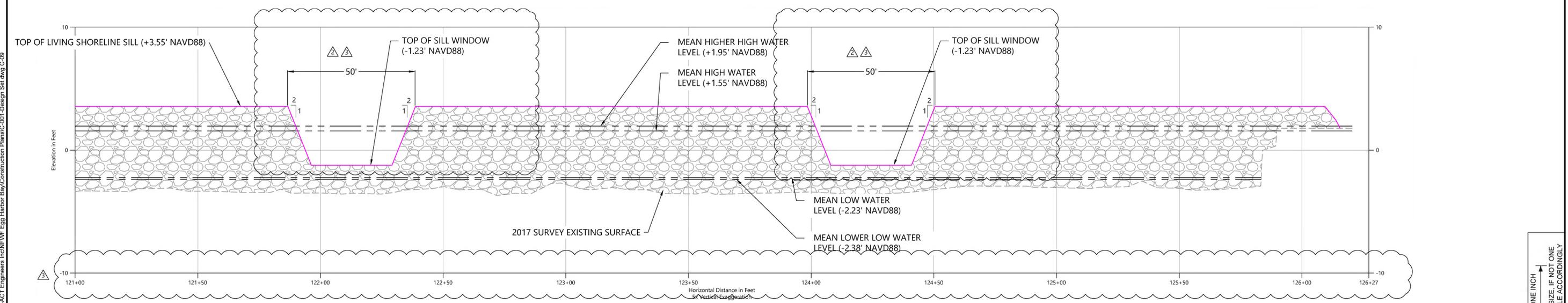


LEGEND - PLAN:

- 1978 SHORELINE
- 1978 TIDAL CREEK
- 2017 SURVEY ELEVATION CONTOURS, 1 AND 5 FOOT, NAVD88
- LIVING SHORELINE BERM CONTOURS
- 2017 SURVEY SHORELINE (ELEVATION 0, NAVD88)
- 2017 SURVEY OPEN WATER BOUNDARY
- 1970 COASTAL WETLAND BOUNDARY



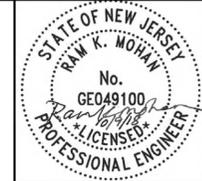
PLAN



PROFILE

ONE INCH = 10 FEET
AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

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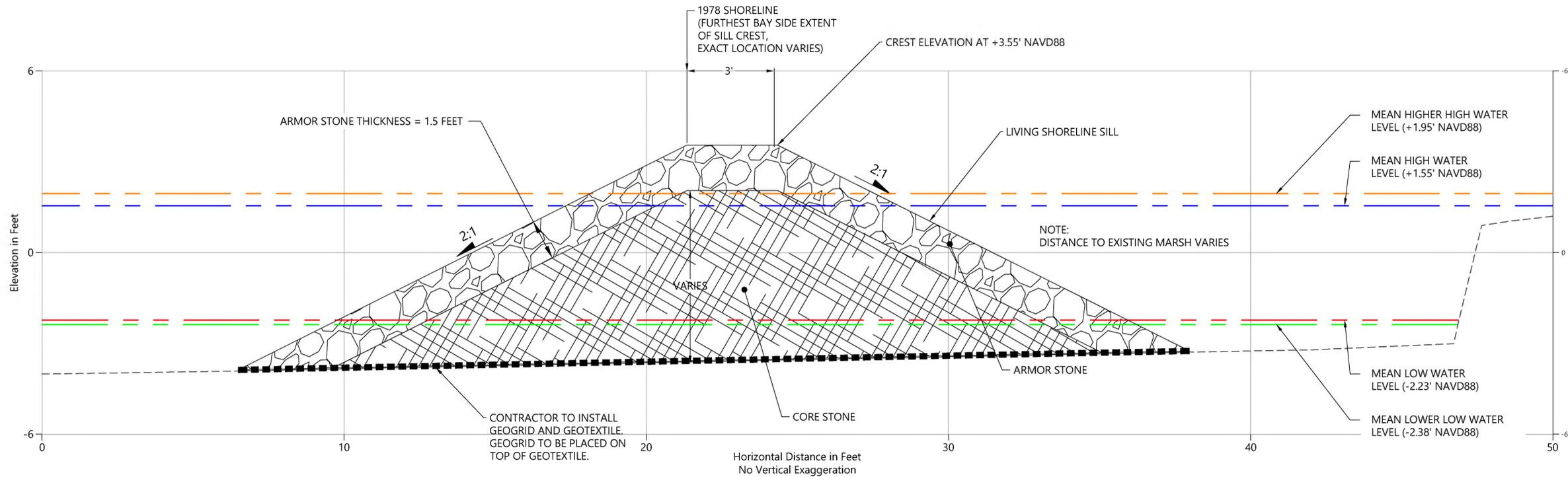
REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
△	7/26/2018	BDH	RKM	ADDITION OF SILL VENTS
△	9/27/2018	BDH	RKM	ADDITION OF SILL WINDOWS AND OYSTER HABITAT BLOCK MODIFICATIONS

DESIGNED BY: A. CANNON
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 SCALE: AS NOTED
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SHOOTING ISLAND RESTORATION
CITY OF OCEAN CITY, NJ
NATIONAL FISH AND WILDLIFE FOUNDATION GRANT

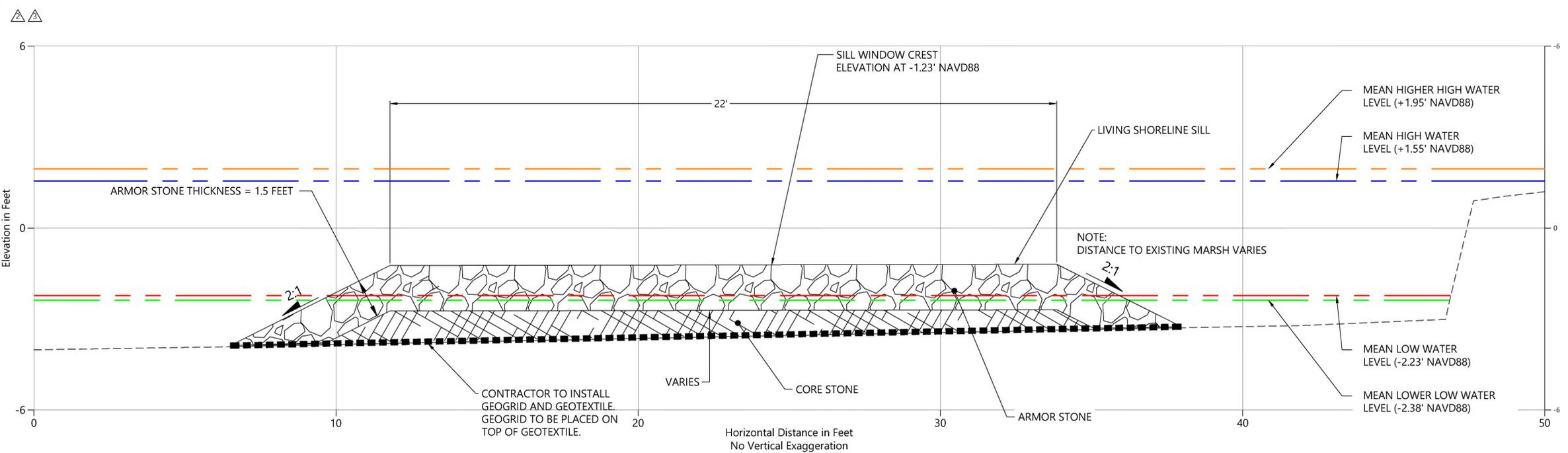
NORTHERN LIVING SHORELINE
ALIGNMENT LAYOUT STA. 121+00 TO END

C-09
 SHEET NO. 13 OF 16



1 TYPICAL LIVING SHORELINE CROSS SECTION
 SCALE: 1" = 2'

- LEGEND - PROFILE:**
- Existing Surface Elevation
 - Mean Higher High Water Level (+1.95' NAVD88)
 - Mean High Water Level (+1.55' NAVD88)
 - Mean Low Water Level (-2.23' NAVD88)
 - Mean Lower Low Water Level (-2.38' NAVD88)

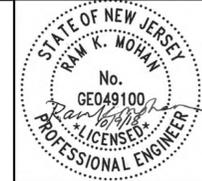


2 TYPICAL SILL WINDOW CROSS SECTION
 SCALE: 1" = 2'



ONE INCH
 AT FULL SIZE, IF NOT ONE
 INCH SCALE ACCORDINGLY

K:\Projects\1314-ACT Engineers Inc\NFMF Egg Harbor Bay\Construction Plans\C-001-Design Set.dwg C-10
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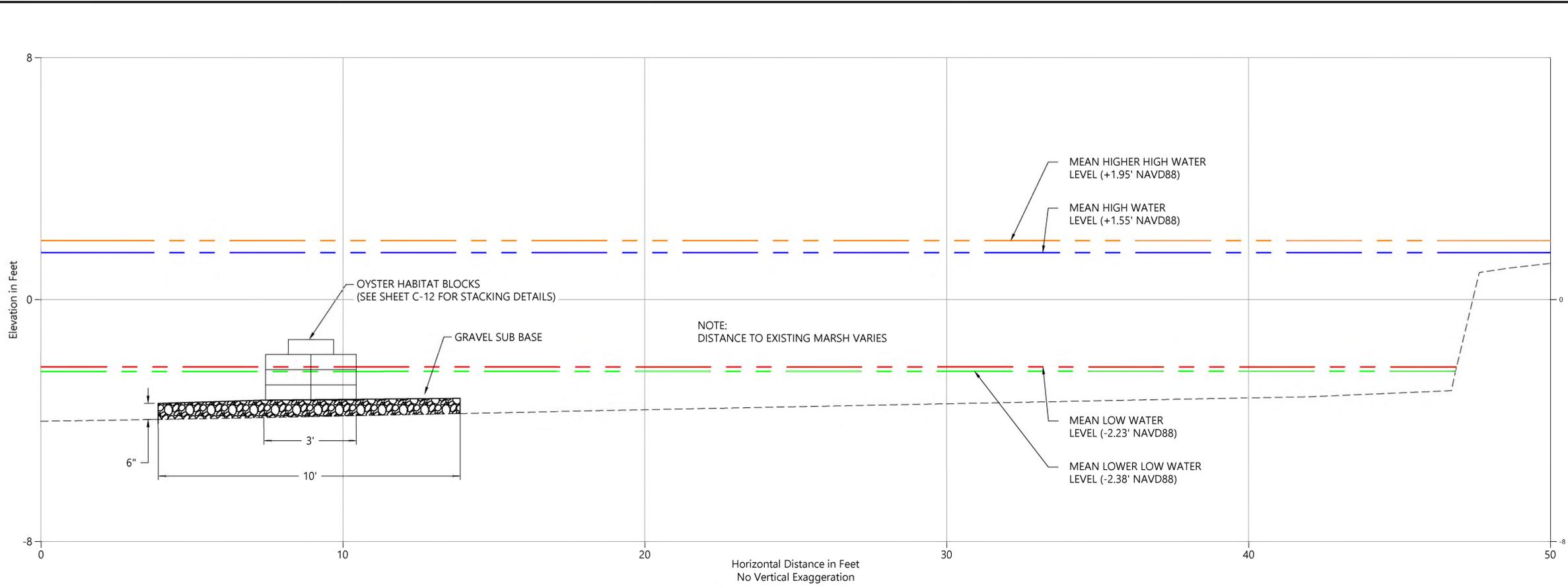
REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION
△	7/26/2018	BDH	RKM	ADDITION OF SILL VENTS
△	9/27/2018	BDH	RKM	ADDITION OF SILL WINDOWS AND OYSTER HABITAT BLOCK MODIFICATIONS

DESIGNED BY: A. CANNON
 DRAWN BY: B. HURRY
 CHECKED BY: M. HENDERSON
 APPROVED BY: R. MOHAN
 SCALE: AS NOTED
 DATE: OCTOBER 9, 2018

SHOOTING ISLAND RESTORATION
CITY OF OCEAN CITY, NJ
NATIONAL FISH AND WILDLIFE FOUNDATION GRANT

DETAILS AND CROSS SECTIONS 1 OF 2

C-10
 SHEET NO. 14 OF 16



LEGEND - PROFILE:

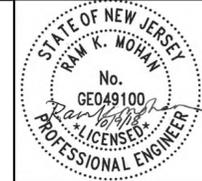
- - - Existing Surface Elevation
- - - Mean Higher High Water Level (+1.95' NAVD88)
- - - Mean High Water Level (+1.55' NAVD88)
- - - Mean Low Water Level (-2.23' NAVD88)
- - - Mean Lower Low Water Level (-2.38' NAVD88)



1
C-11 **TYPICAL LIVING SHORELINE CROSS SECTION**
SCALE: 1" = 2'

K:\Projects\1314-Act Engineers Inc\NFMF Egg Harbor Bay\Construction Plans\C-001-Design Set.dwg C-11

ONE INCH
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: A. CANNON
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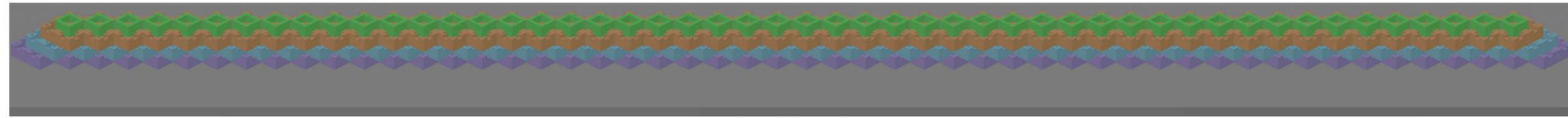
SHOOTING ISLAND RESTORATION
CITY OF OCEAN CITY, NJ
NATIONAL FISH AND WILDLIFE FOUNDATION GRANT

DETAILS AND CROSS SECTIONS 2 OF 2

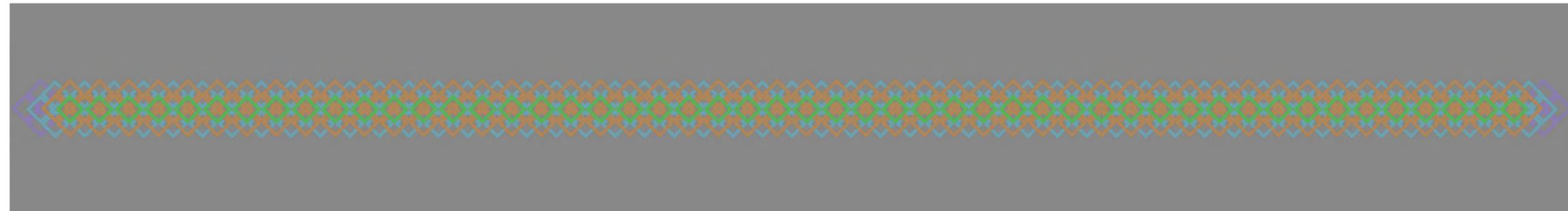
C-11

SHEET NO. **15** OF **16**

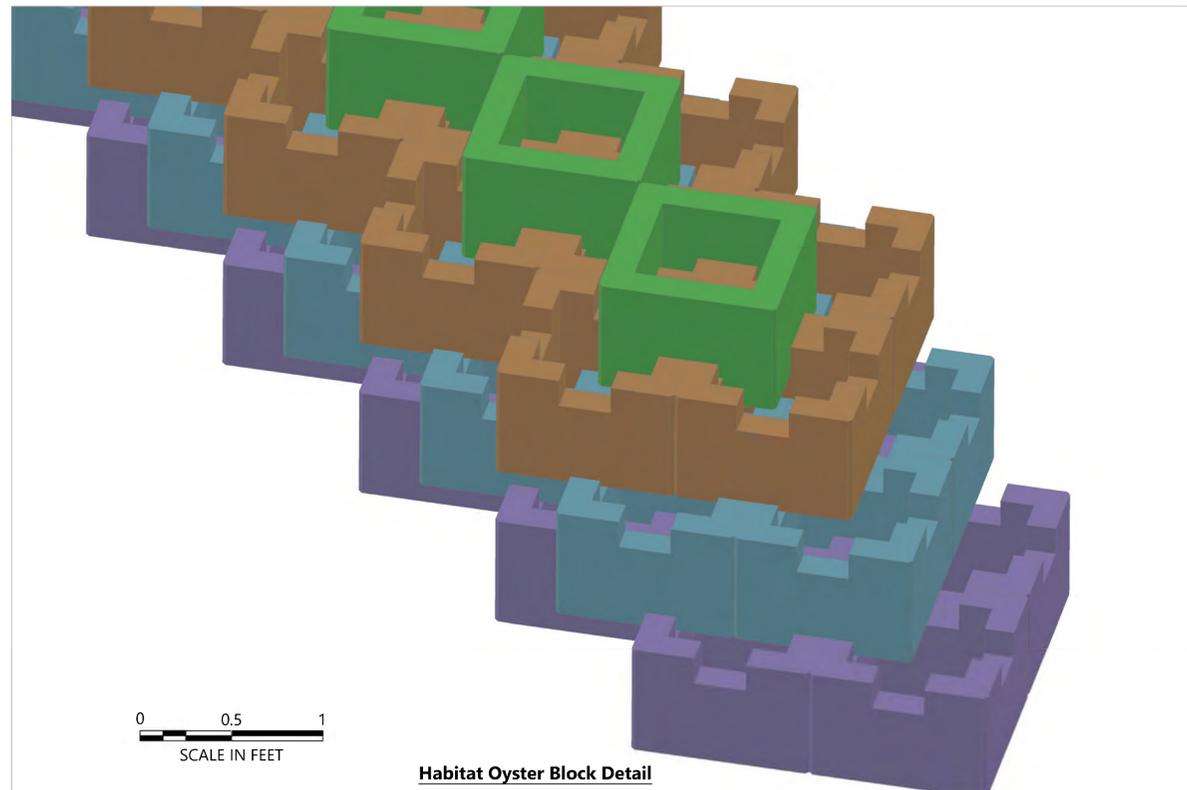
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Oct 10, 2018 12:02pm ctyard



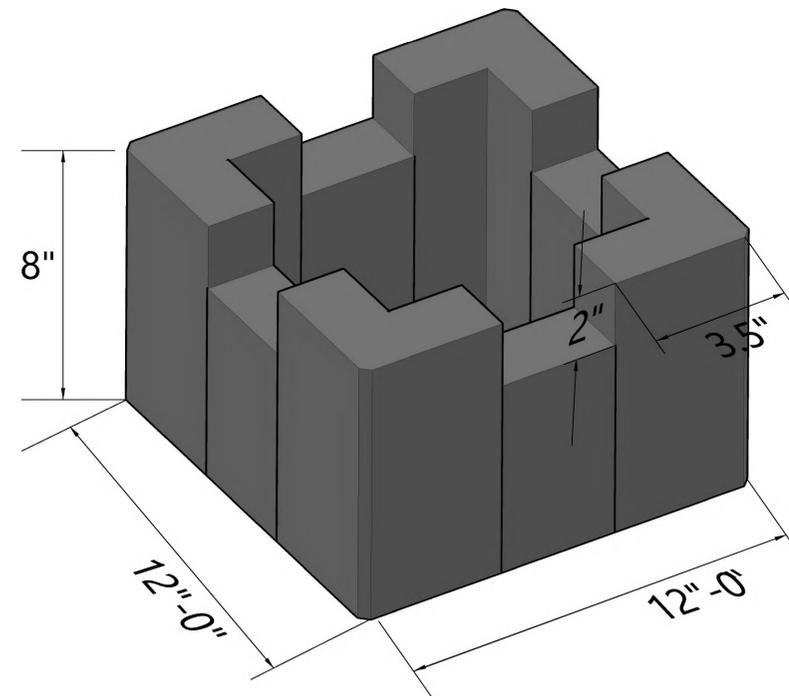
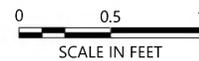
Isometric View 1



Plan View

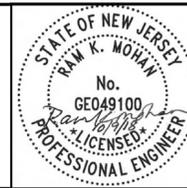


Habitat Oyster Block Detail



Oyster Habitat Block Dimensions

ONE INCH
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY



REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: A. CANNON
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 APPROVED BY: R. MOHAN
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**SHOOTING ISLAND RESTORATION
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OYSTER HABITAT BLOCK DETAILS

C-12

SHEET NO. 16 OF 16