

\*NOTE THAT ALL PLANIMETRIC DETAIL IS AS GROUND SURVEYED IN OCTOBER 2023 AND MUCH AS BEEN DESTROYED BY SUBSEQUENT STORMS. FIELD ADJUST IN COORDINATION WITH TOWN REPRESENTATIVES AT STRUCTURES IF STILL IN EXISTENCE.

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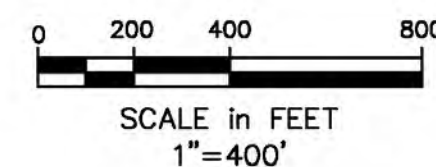
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- MARCH 14, 2024 MASSDOT LIDAR MINOR CONTOUR
- MARCH 14, 2024 MASSDOT LIDAR MAJOR CONTOUR
- MARCH 14, 2024 MASSDOT LIDAR HIGHEST ASTRONOMICAL TIDE - EL. 5.95'
- MARCH 14, 2024 MASSDOT LIDAR MEAN HIGH WATER - EL. 3.82'
- MASS GIS ESTIMATED HABITAT
- MASS GIS FEMA FLOOD ZONE LIMITS
- DUNE BEACH INTERFACE
- PROPOSED BEACH NOURISHMENT CONTOUR
- PROPOSED BEACH NOURISHMENT CONTOUR - EL. 17'
- PROPOSED BEACH NOURISHMENT LIMIT
- ARTICLE 97 LAND



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978-270-8626

SCALE:  
HORIZ: 1" = 400'  
VERT: N.A.

| NO. | DATE | BY | REVISIONS |
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|     |      |    |           |

FIELD: JK  
CALCS: CO/EC  
CHECKED: EJC  
APPROVED: EJC

CONSERVATION PLAN  
KEY SHEET

SALISBURY BEACH

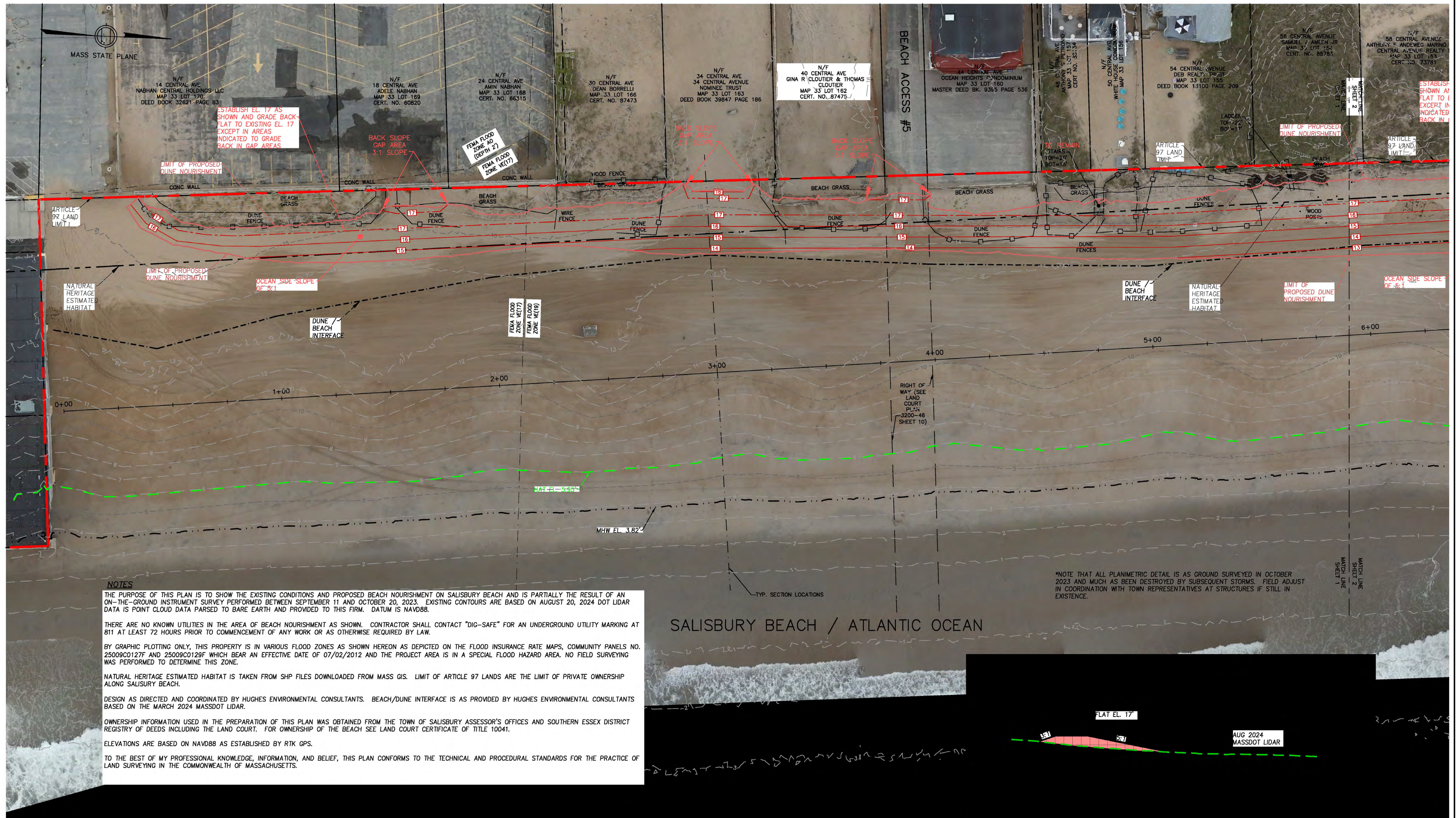
PLAN OF LAND IN  
SALISBURY, MASSACHUSETTS  
SURVEYED FOR  
HUGHES ENVIRONMENTAL

PROJECT NO.  
2023-SAL-BEACH

DATE: AUG 18, 2024

SHEET NO.

KEY OF 15



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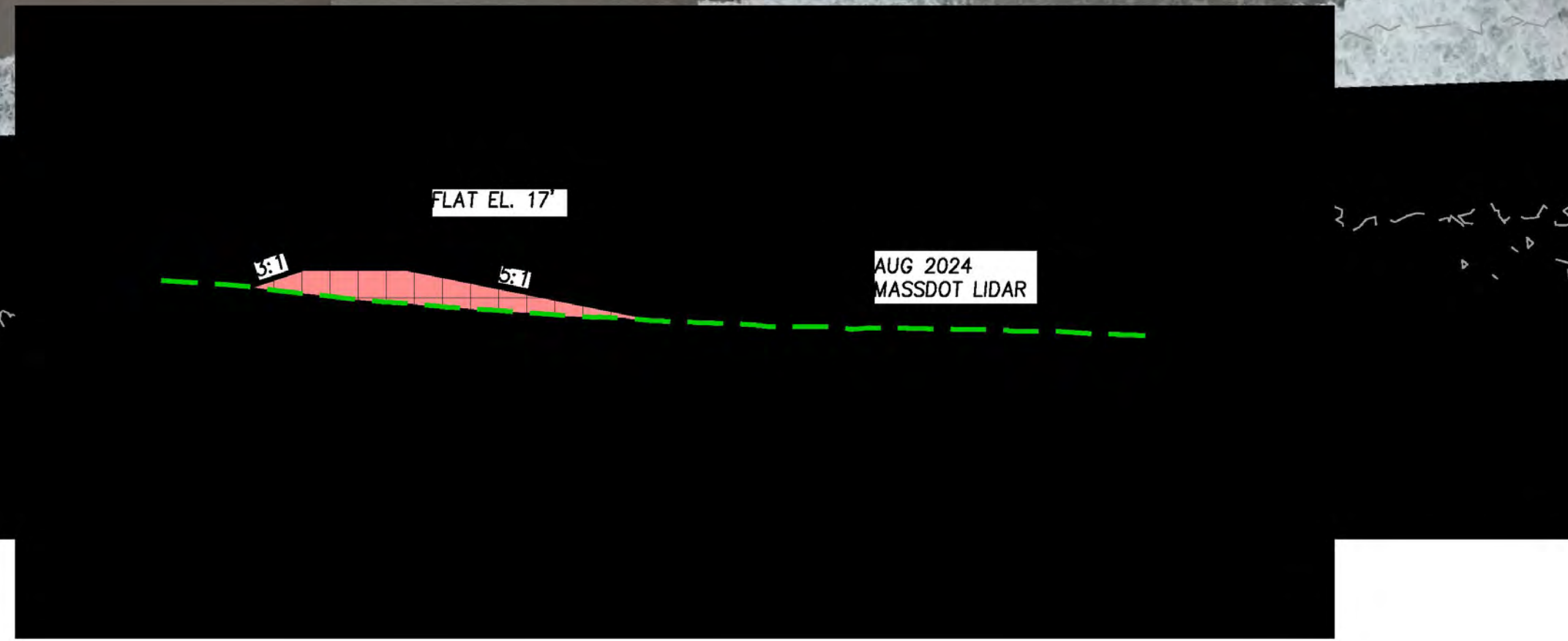
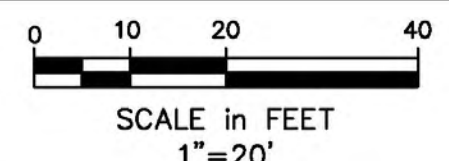
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SALISBURY BEACH / ATLANTIC OCEAN



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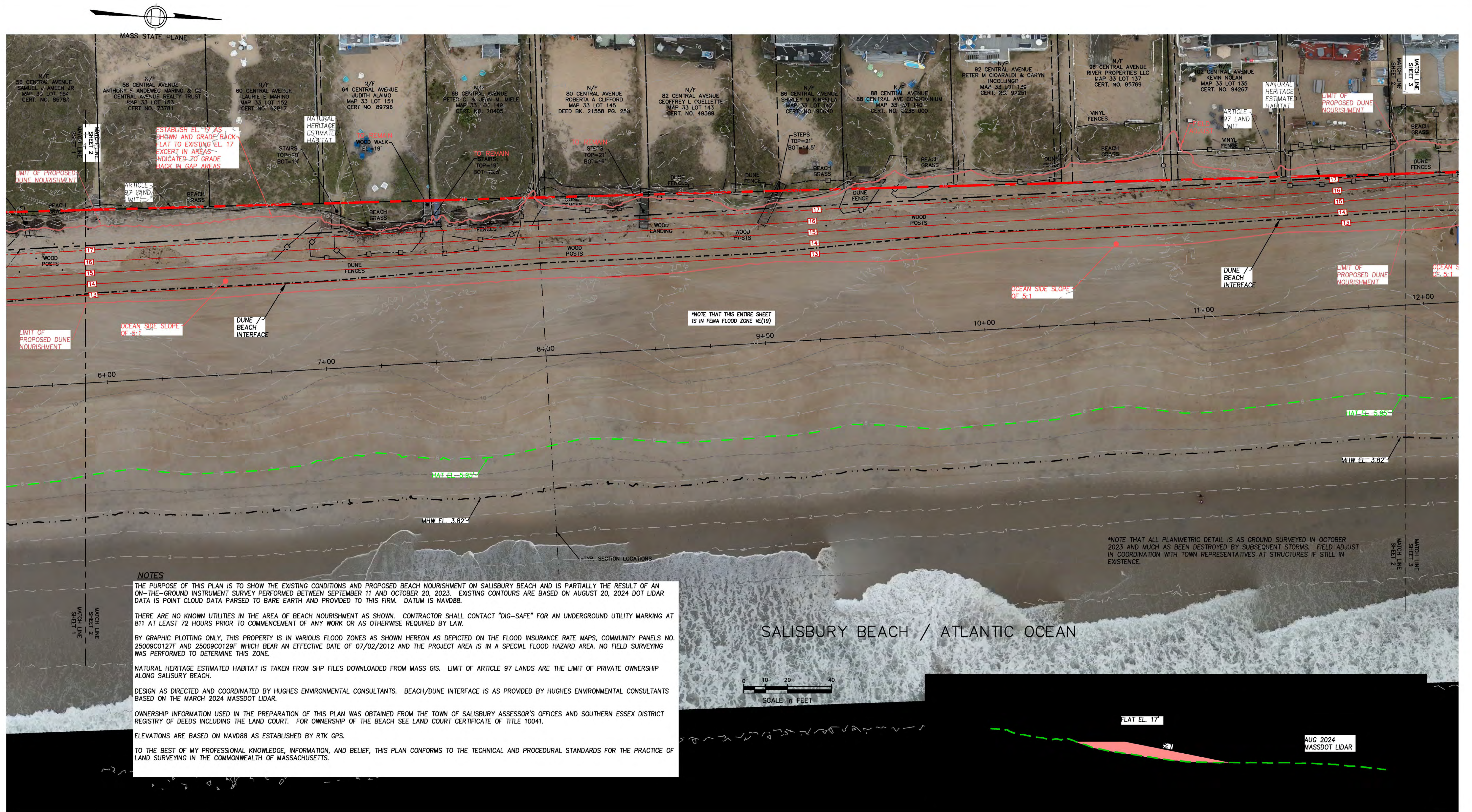
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FIELD: JK  
CALCS: CO/EC  
CHECKED: EJC  
APPROVED: EJC

CONSERVATION PLAN  
  
SALISBURY BEACH

PLAN OF LAND IN  
SALISBURY, MASSACHUSETTS  
SURVEYED FOR  
HUGHES ENVIRONMENTAL

PROJECT NO.  
2023-SAL-BEACH  
DATE: AUG 18, 2024  
  
SHEET NO.  
1 OF 15



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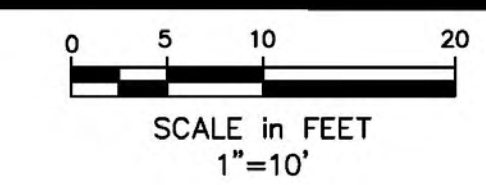
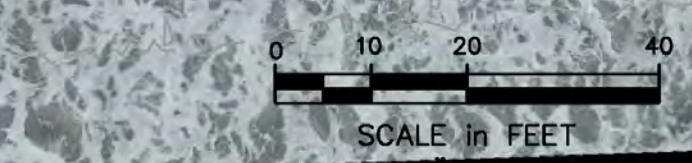
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FIELD: JK  
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 APPROVED: EJC

CONSERVATION PLAN  
 SALISBURY BEACH

PLAN OF LAND IN  
 SALISBURY, MASSACHUSETTS  
 SURVEYED FOR  
 HUGHES ENVIRONMENTAL

PROJECT NO.  
 2023-SAL-BEACH  
 DATE: AUG 18, 2024  
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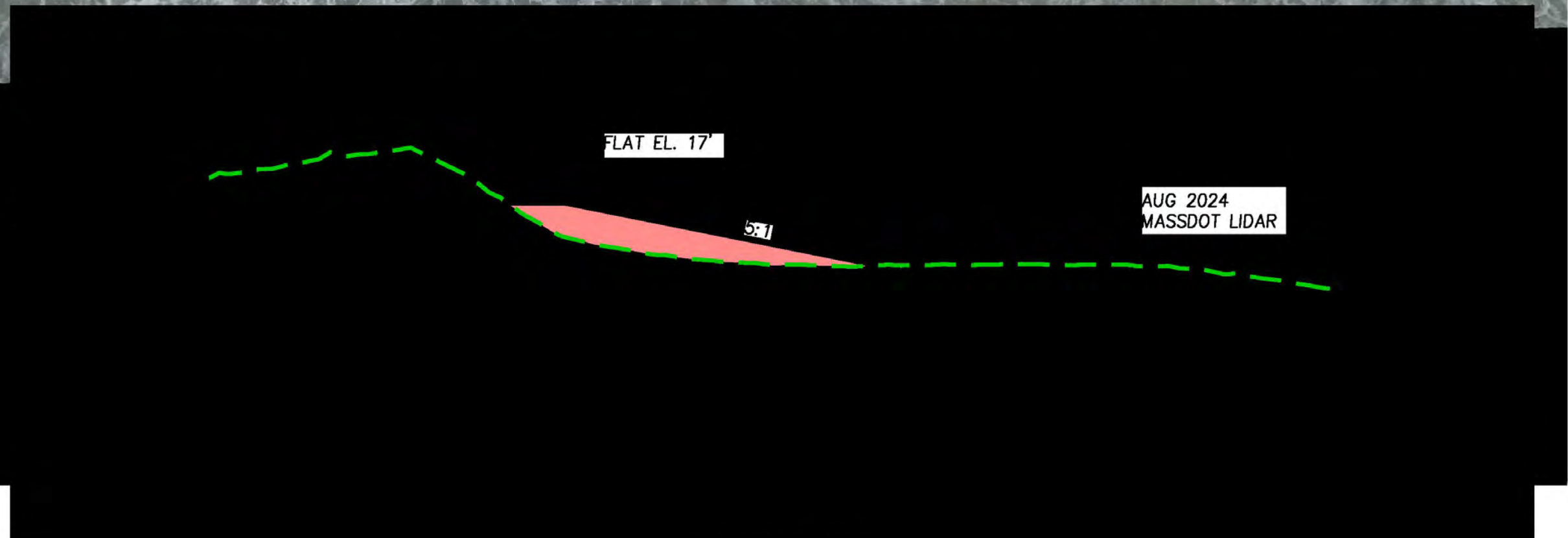
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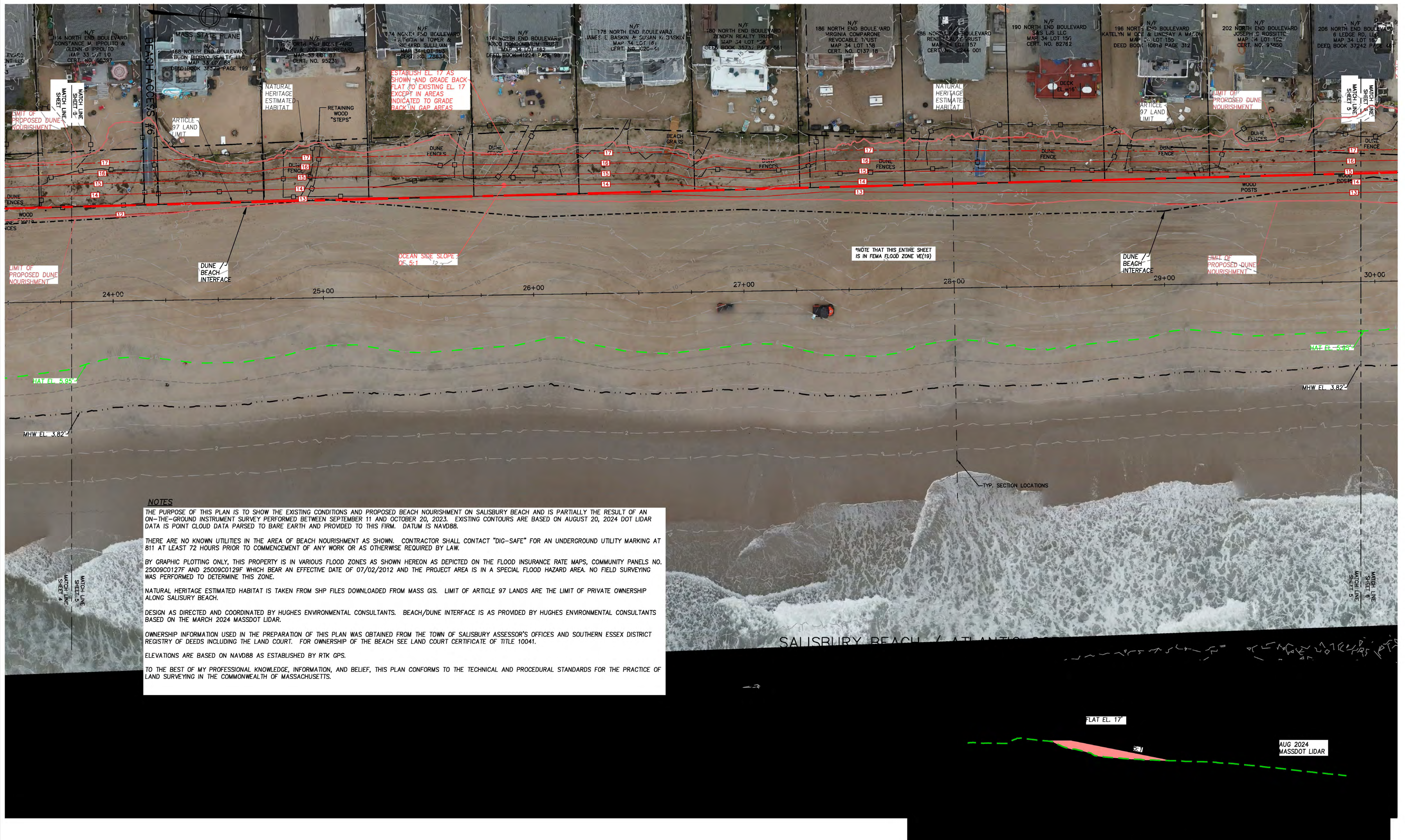
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| 1      | 8/13/24  | EJC | REMOVE WORK FROM 150 CENTRAL AND 122 NORTH END BLVD |  |

FIELD: JK  
CALCS: CO/EC  
CHECKED: EJC  
APPROVED: EJC

CONSERVATION PLAN  
SALISBURY BEACH

PLAN OF LAND IN  
SALISBURY, MASSACHUSETTS  
SURVEYED FOR  
HUGHES ENVIRONMENTAL

PROJECT NO.  
2023-SAL-BEACH  
DATE: AUG 18, 2024  
SHEET NO.  
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SCALE in FEET  
1"=10'

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FIELD: JK  
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CONSERVATION PLAN

SALISBURY BEACH

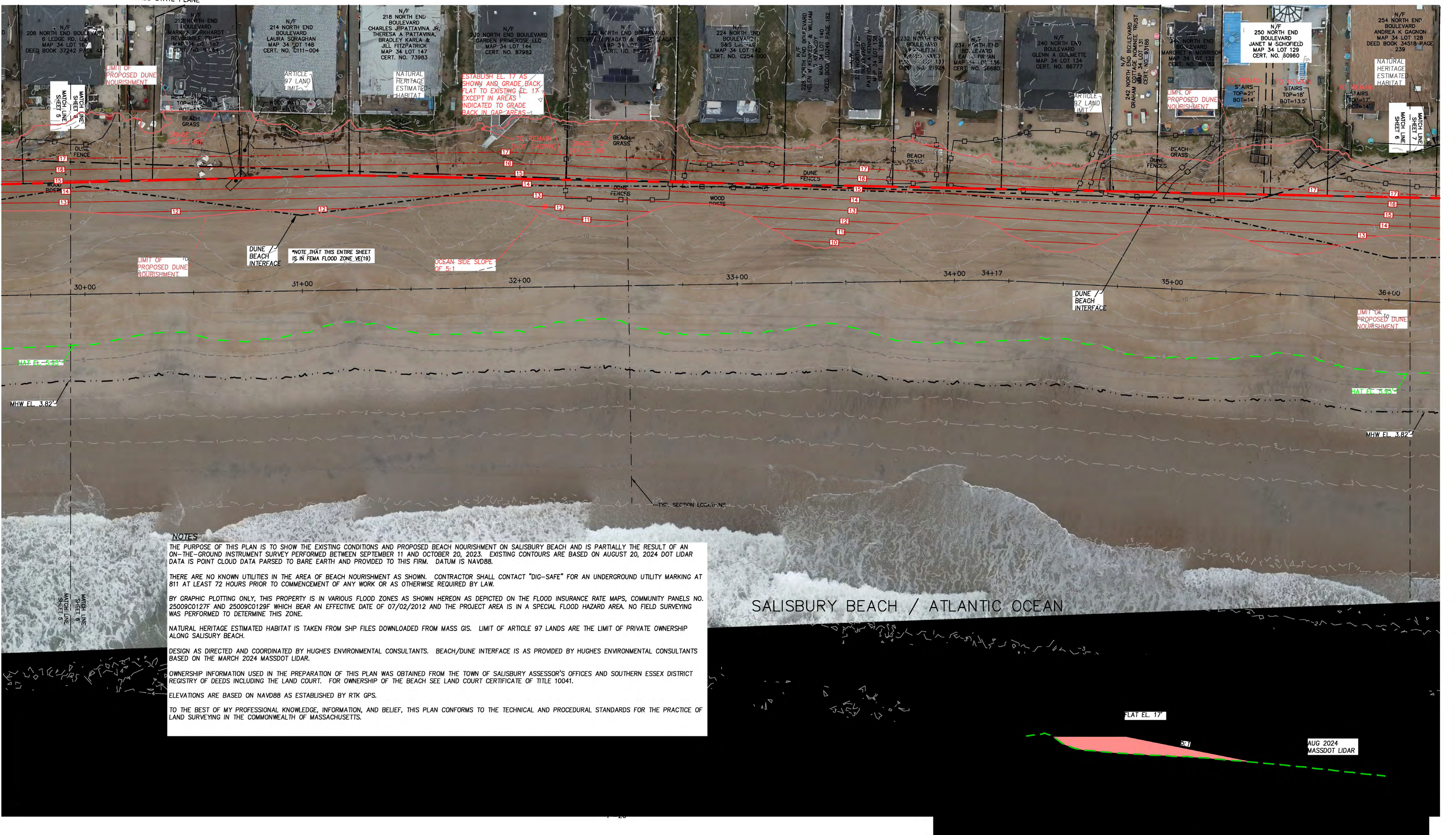
PLAN OF LAND IN  
SALISBURY, MASSACHUSETTS  
SURVEYED FOR  
HUGHES ENVIRONMENTAL

PROJECT NO.  
2023-SAL-BEACH

DATE: AUG 18, 2024

SHEET NO.

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SALISBURY BEACH / ATLANTIC OCEAN

FLAT EL. 17  
AUG 2024 MASSDOT LIDAR

SCALE in FEET  
1"=10'

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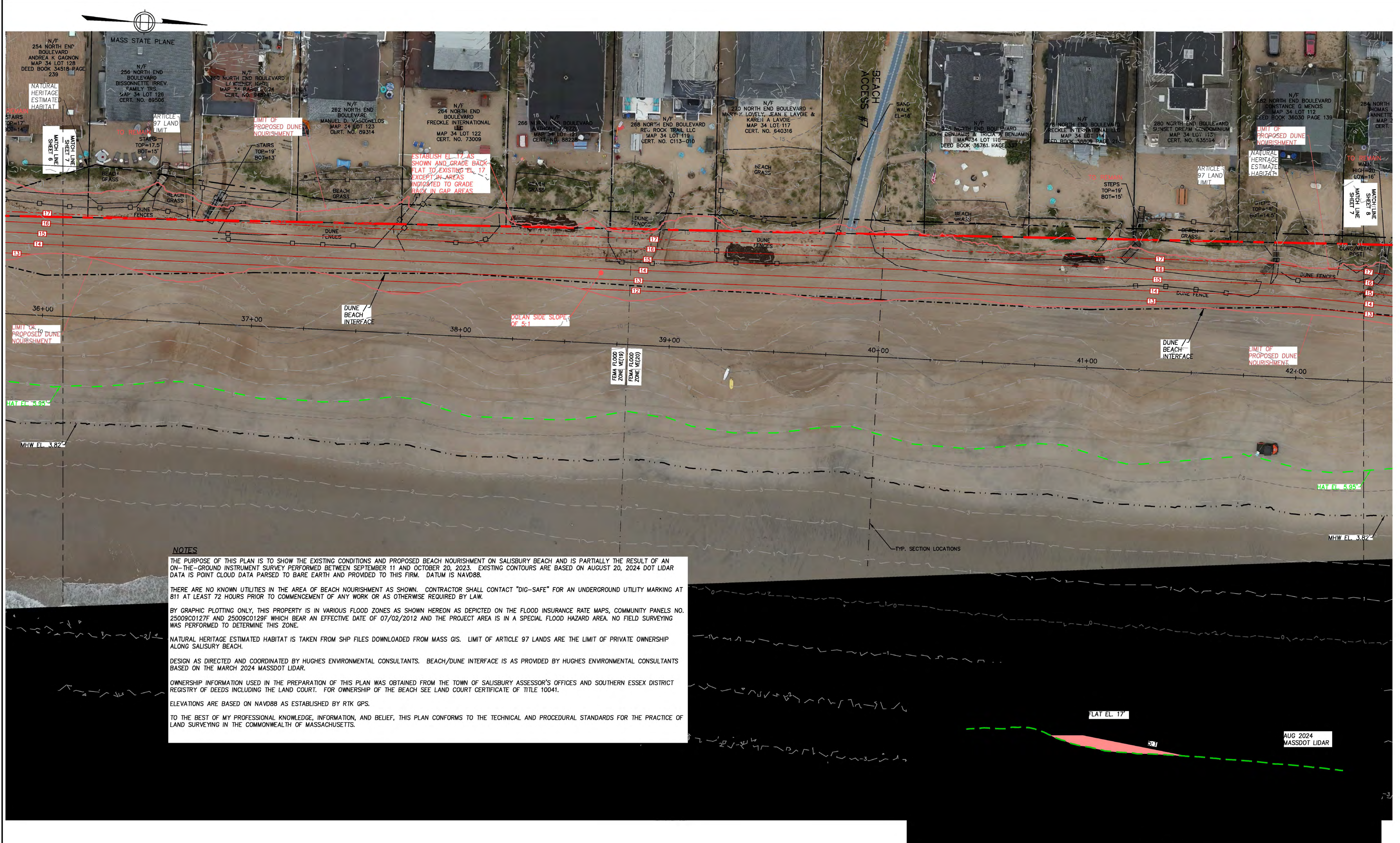
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CONSERVATION PLAN  
SALISBURY BEACH

PLAN OF LAND IN  
SALISBURY, MASSACHUSETTS  
SURVEYED FOR  
HUGHES ENVIRONMENTAL

PROJECT NO.  
2023-SAL-BEACH  
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SHEET NO.  
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FLAT EL. 17'

AUG 2024  
MASSDOT LIDAR

SCALE IN FEET  
1"=10'

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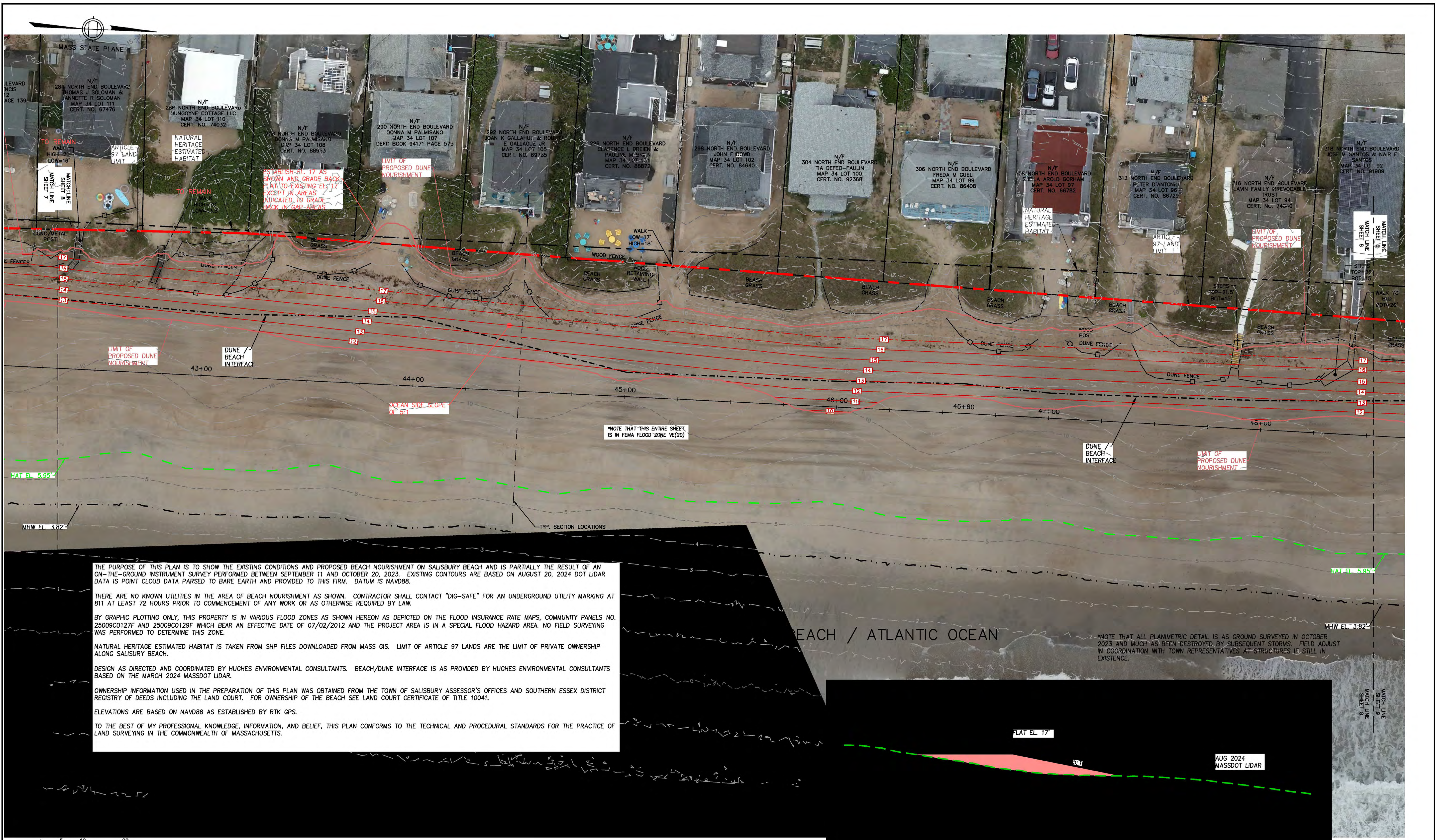
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FIELD: JK  
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CONSERVATION PLAN  
SALISBURY BEACH

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SURVEYED FOR  
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2023-SAL-BEACH  
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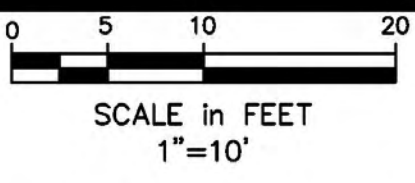
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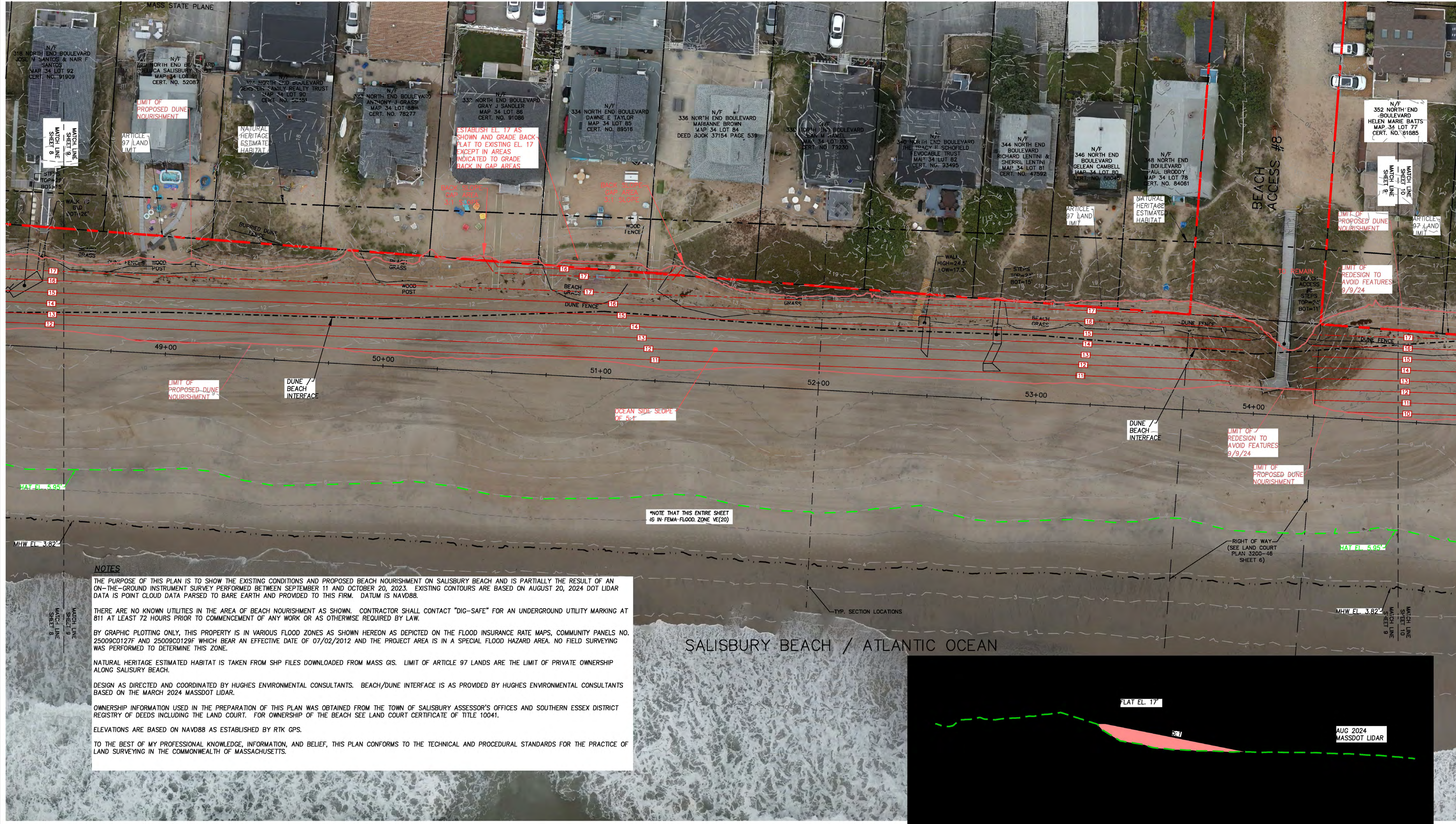
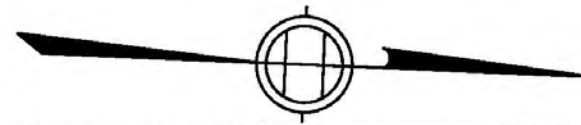
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| Winter GEC, LLC<br>44 MERRIMAC STREET<br>NEWBURYPORT, MA 01950<br>978-270-8626 | SCALE:<br>HORIZ: 1" = 20'<br>VERT: N.A. | <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | NO. | DATE      | BY | REVISIONS |  |  |  |  | FIELD: JK<br>CALCS: CO/EC<br>CHECKED: EJC<br>APPROVED: EJC | CONSERVATION PLAN<br><br>SALISBURY BEACH | PLAN OF LAND IN<br>SALISBURY, MASSACHUSETTS<br>SURVEYED FOR<br>HUGHES ENVIRONMENTAL | PROJECT NO.<br>2023-SAL-BEACH<br>DATE: AUG 18, 2024<br><br>SHEET NO.<br>8 OF 15 |
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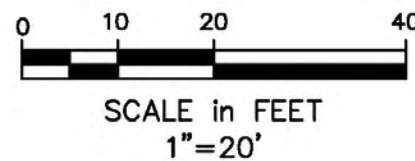
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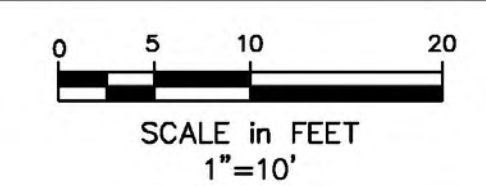
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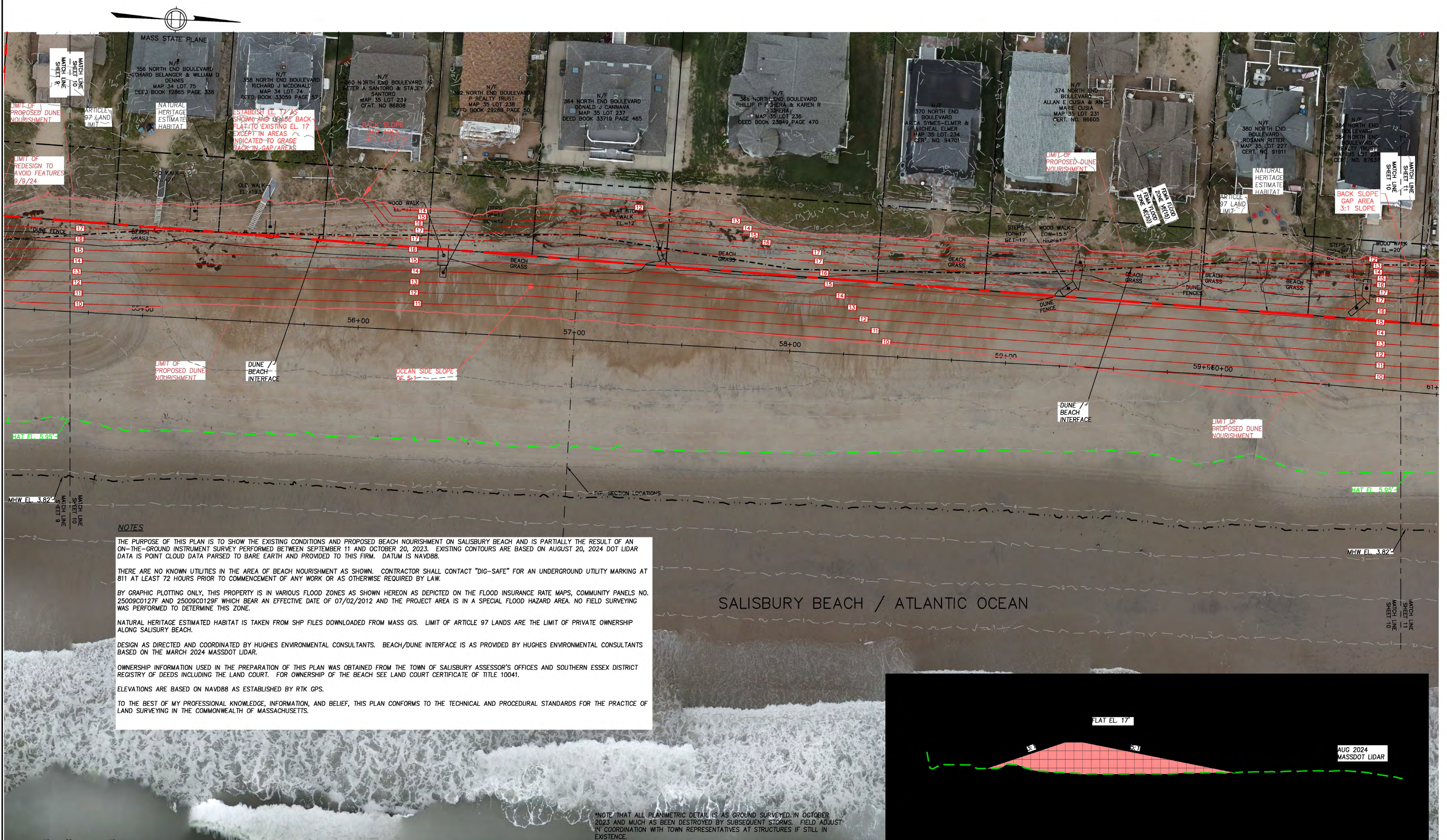
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CONSERVATION PLAN  
SALISBURY BEACH

PLAN OF LAND IN  
SALISBURY, MASSACHUSETTS  
SURVEYED FOR  
HUGHES ENVIRONMENTAL

PROJECT NO.  
2023-SAL-BEACH  
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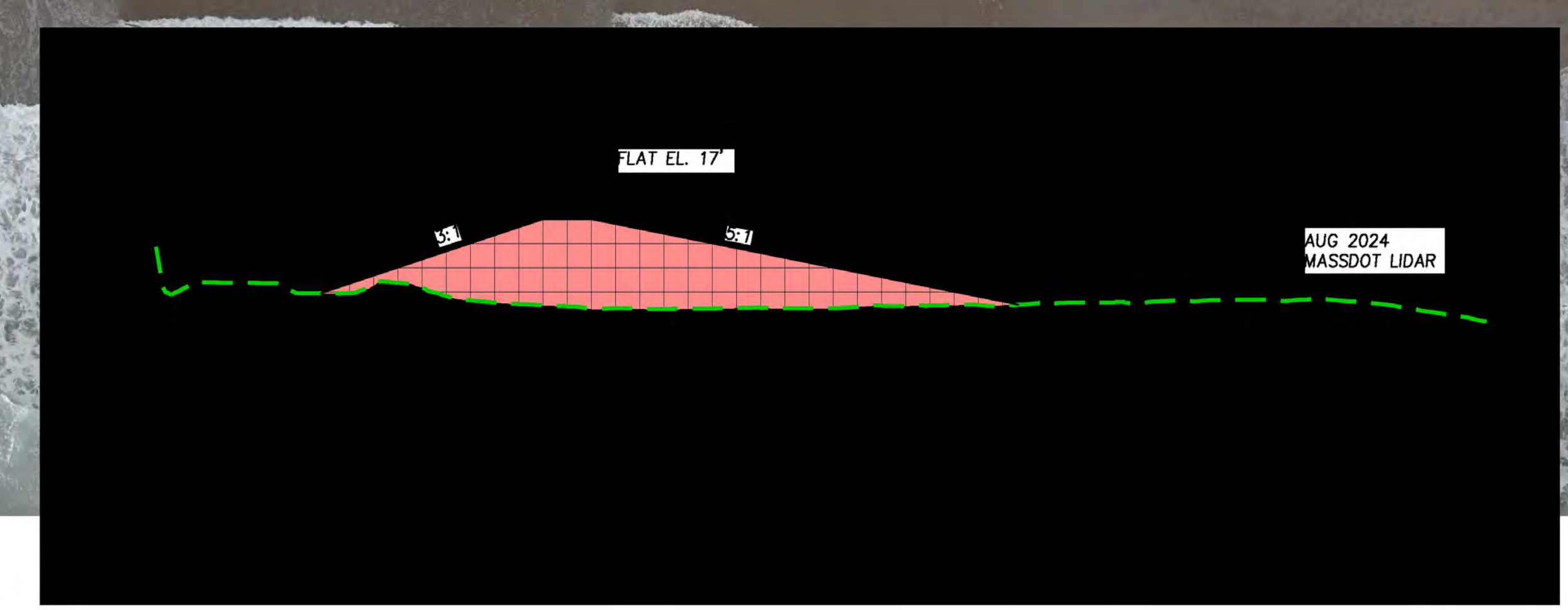
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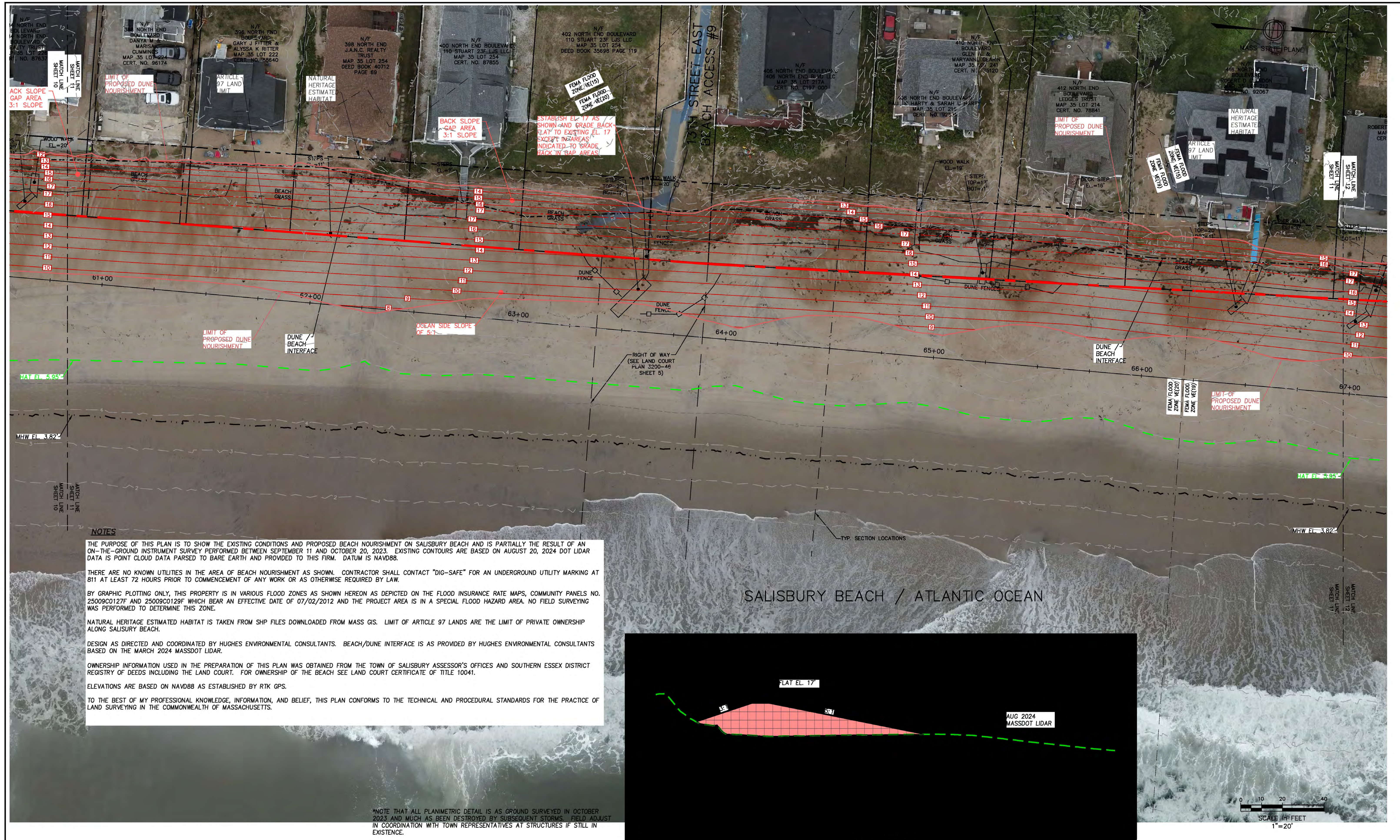
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SALISBURY BEACH / ATLANTIC OCEAN



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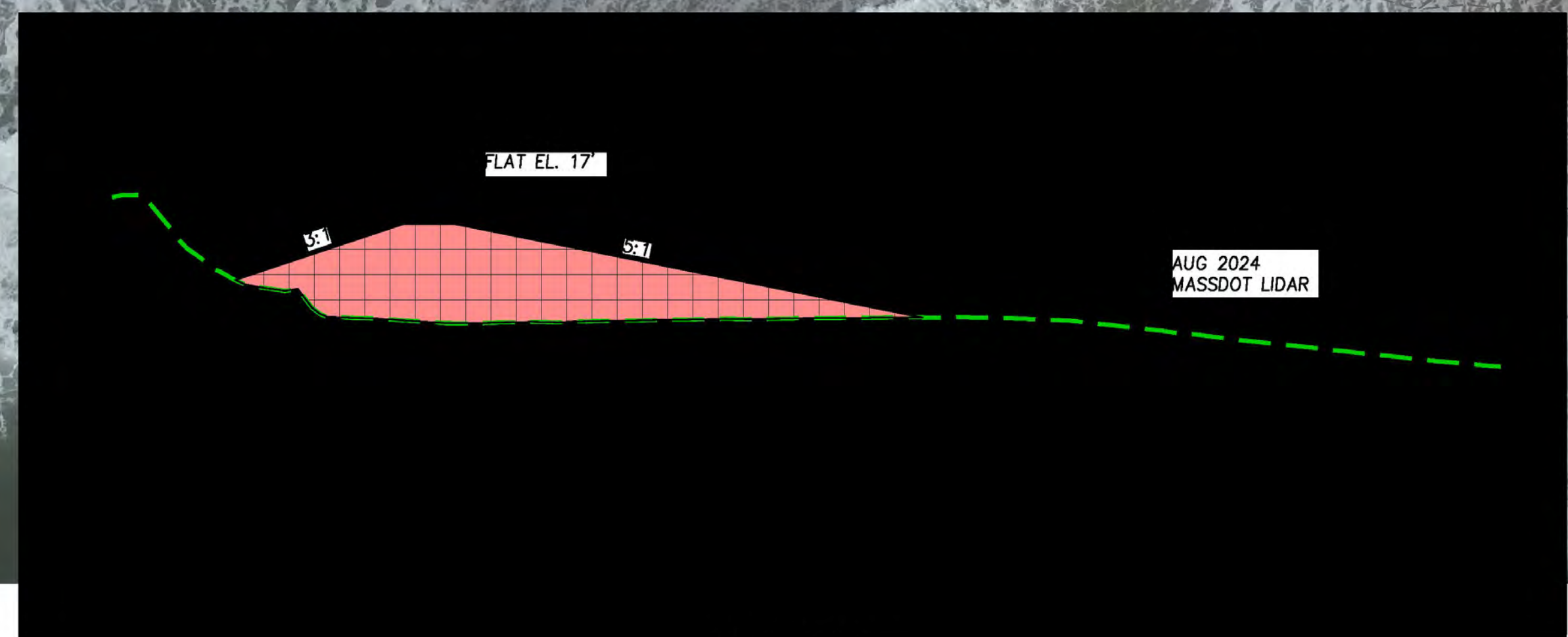
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FIELD: JK  
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CONSERVATION PLAN  
 SALISBURY BEACH

PLAN OF LAND IN  
 SALISBURY, MASSACHUSETTS  
 SURVEYED FOR  
 HUGHES ENVIRONMENTAL

PROJECT NO.  
 2023-SAL-BEACH  
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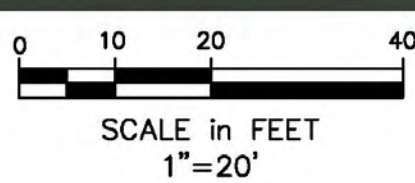
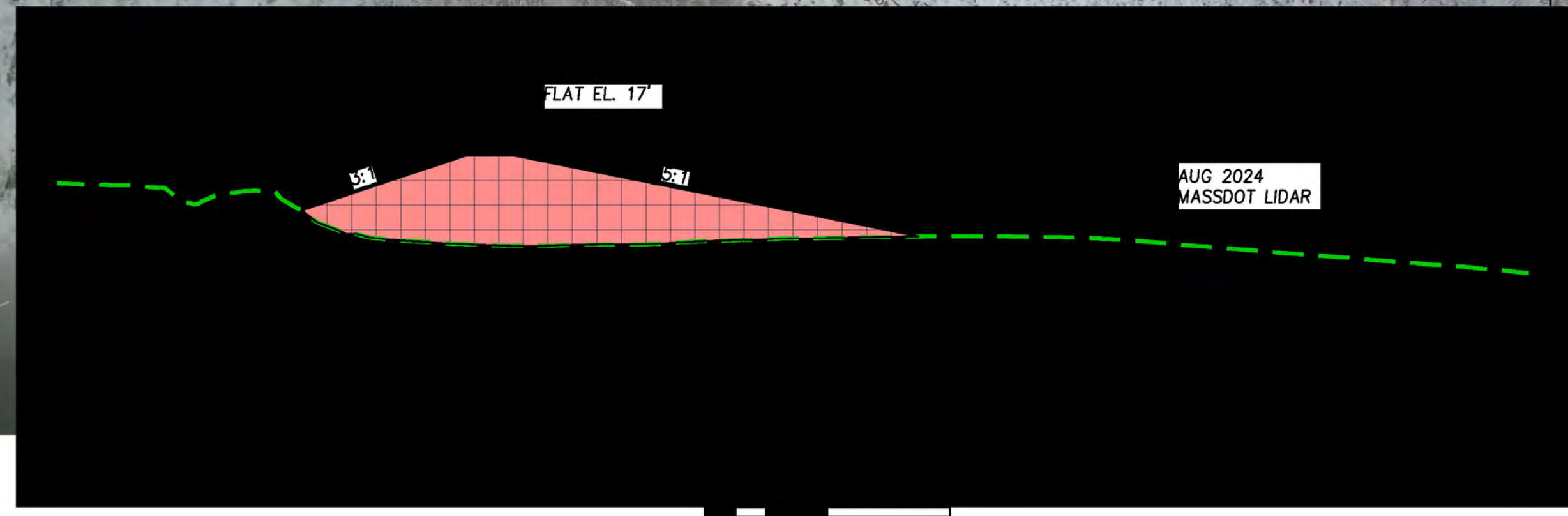
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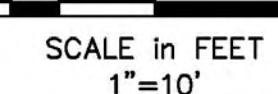
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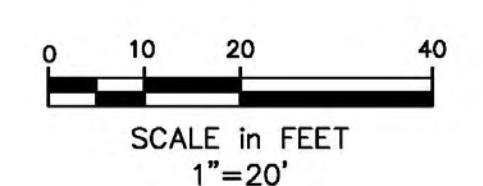
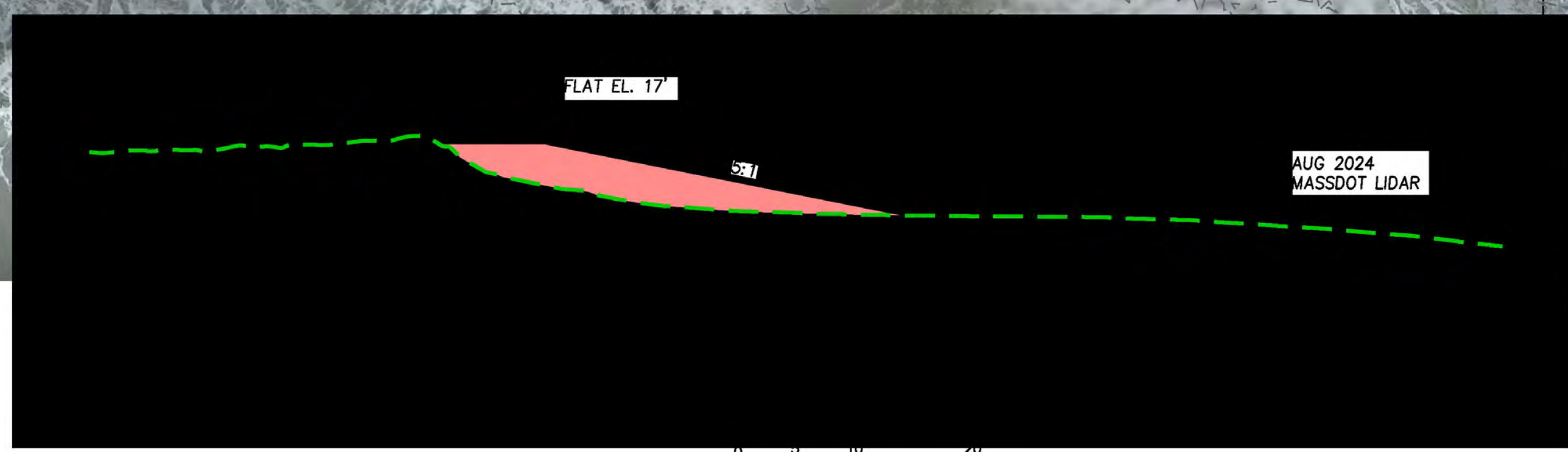
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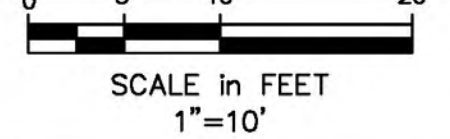
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CONSERVATION PLAN  
SALISBURY BEACH

PLAN OF LAND IN  
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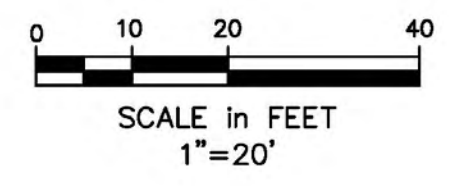
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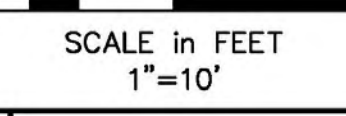
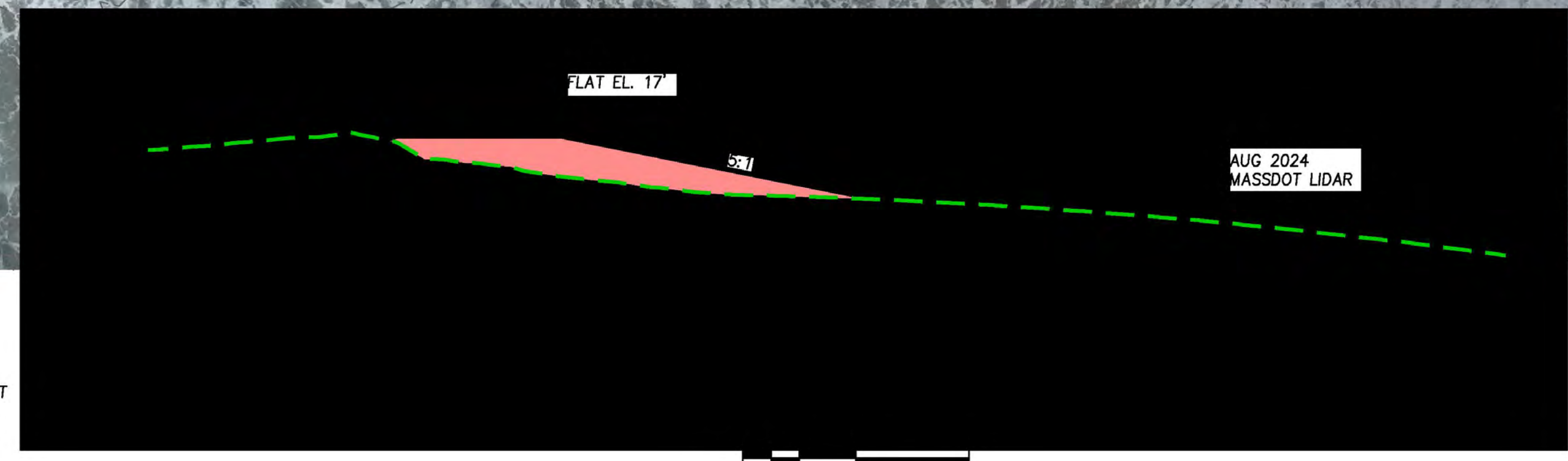
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 CHECKED: EJC  
 APPROVED: EJC

CONSERVATION PLAN  
 SALISBURY BEACH

PLAN OF LAND IN  
 SALISBURY, MASSACHUSETTS  
 SURVEYED FOR  
 HUGHES ENVIRONMENTAL

PROJECT NO.  
 2023-SAL-BEACH  
 DATE: AUG 18, 2024  
 SHEET NO.  
 14 OF 15



**NOTES**

THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS AND PROPOSED BEACH NOURISHMENT ON SALISBURY BEACH AND IS PARTIALLY THE RESULT OF AN ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BETWEEN SEPTEMBER 11 AND OCTOBER 20, 2023. EXISTING CONTOURS ARE BASED ON AUGUST 20, 2024 DOT LIDAR DATA IS POINT CLOUD DATA PARSED TO BARE EARTH AND PROVIDED TO THIS FIRM. DATUM IS NAVD88.

THERE ARE NO KNOWN UTILITIES IN THE AREA OF BEACH NOURISHMENT AS SHOWN. CONTRACTOR SHALL CONTACT "DIG-SAFE" FOR AN UNDERGROUND UTILITY MARKING AT 811 AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF ANY WORK OR AS OTHERWISE REQUIRED BY LAW.

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN VARIOUS FLOOD ZONES AS SHOWN HEREON AS DEPICTED ON THE FLOOD INSURANCE RATE MAPS, COMMUNITY PANELS NO. 25009C0127F AND 25009C0129F WHICH BEAR AN EFFECTIVE DATE OF 07/02/2012 AND THE PROJECT AREA IS IN A SPECIAL FLOOD HAZARD AREA. NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THIS ZONE.

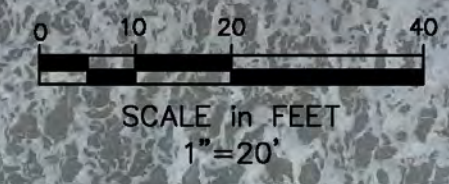
NATURAL HERITAGE ESTIMATED HABITAT IS TAKEN FROM SHP FILES DOWNLOADED FROM MASS GIS. LIMIT OF ARTICLE 97 LANDS ARE THE LIMIT OF PRIVATE OWNERSHIP ALONG SALISBURY BEACH.

DESIGN AS DIRECTED AND COORDINATED BY HUGHES ENVIRONMENTAL CONSULTANTS. BEACH/DUNE INTERFACE IS AS PROVIDED BY HUGHES ENVIRONMENTAL CONSULTANTS BASED ON THE MARCH 2024 MASSDOT LIDAR.

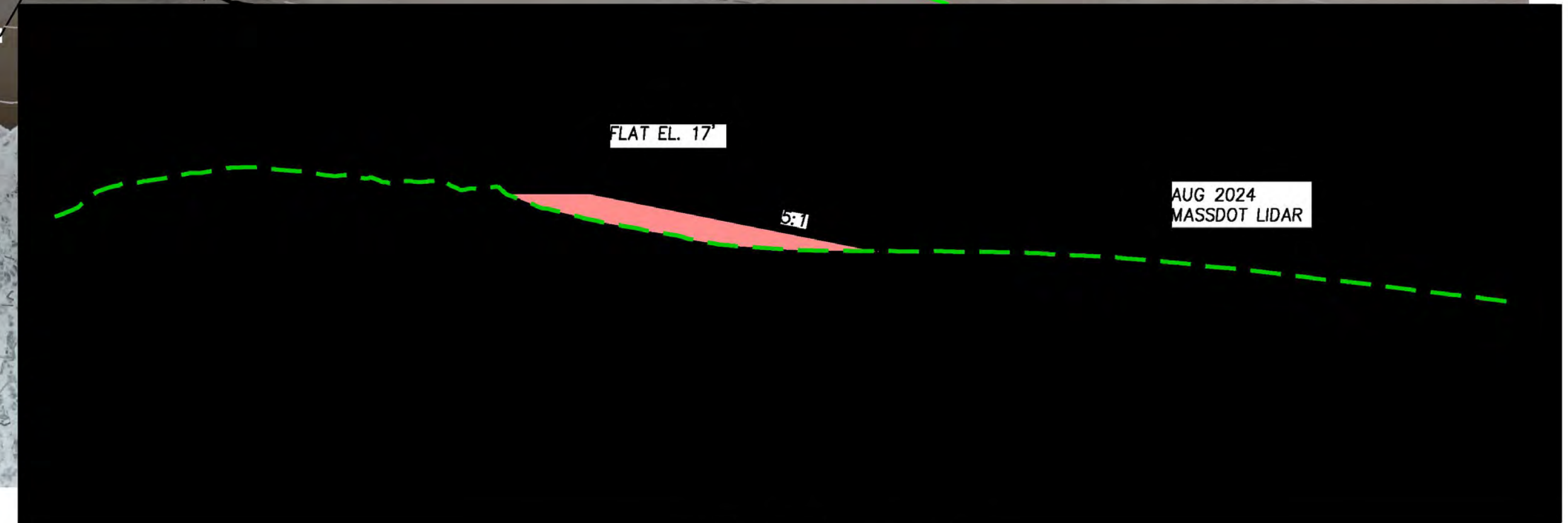
OWNERSHIP INFORMATION USED IN THE PREPARATION OF THIS PLAN WAS OBTAINED FROM THE TOWN OF SALISBURY ASSESSOR'S OFFICES AND SOUTHERN ESSEX DISTRICT REGISTRY OF DEEDS INCLUDING THE LAND COURT. FOR OWNERSHIP OF THE BEACH SEE LAND COURT CERTIFICATE OF TITLE 10041.

ELEVATIONS ARE BASED ON NAVD88 AS ESTABLISHED BY RTK GPS.

TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THIS PLAN CONFORMS TO THE TECHNICAL AND PROCEDURAL STANDARDS FOR THE PRACTICE OF LAND SURVEYING IN THE COMMONWEALTH OF MASSACHUSETTS.



\*NOTE THAT ALL PLANIMETRIC DETAIL IS AS GROUND SURVEYED IN OCTOBER 2023 AND MUCH AS BEEN DESTROYED BY SUBSEQUENT STORMS. FIELD ADJUST IN COORDINATION WITH TOWN REPRESENTATIVES AT STRUCTURES IF STILL IN EXISTENCE.



SCALE in FEET 1"=10'

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Winter GEC, LLC  
 44 MERRIMAC STREET  
 NEWBURYPORT, MA 01950  
 978-270-8626

SCALE:  
 HORIZ: 1" = 20'  
 VERT: N.A.

| NO. | DATE | BY | REVISIONS |
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|     |      |    |           |
|     |      |    |           |
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