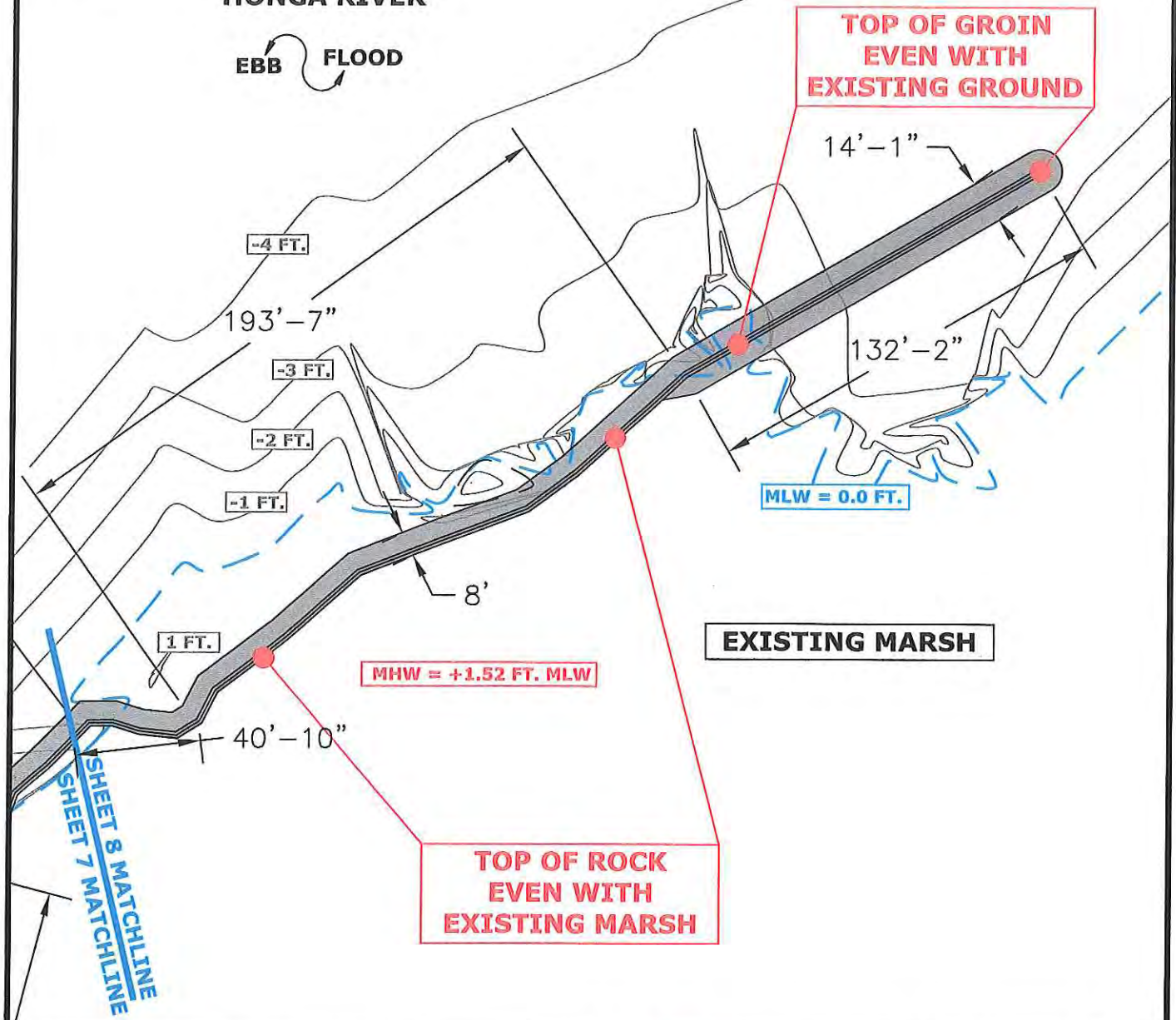




# HONGA RIVER

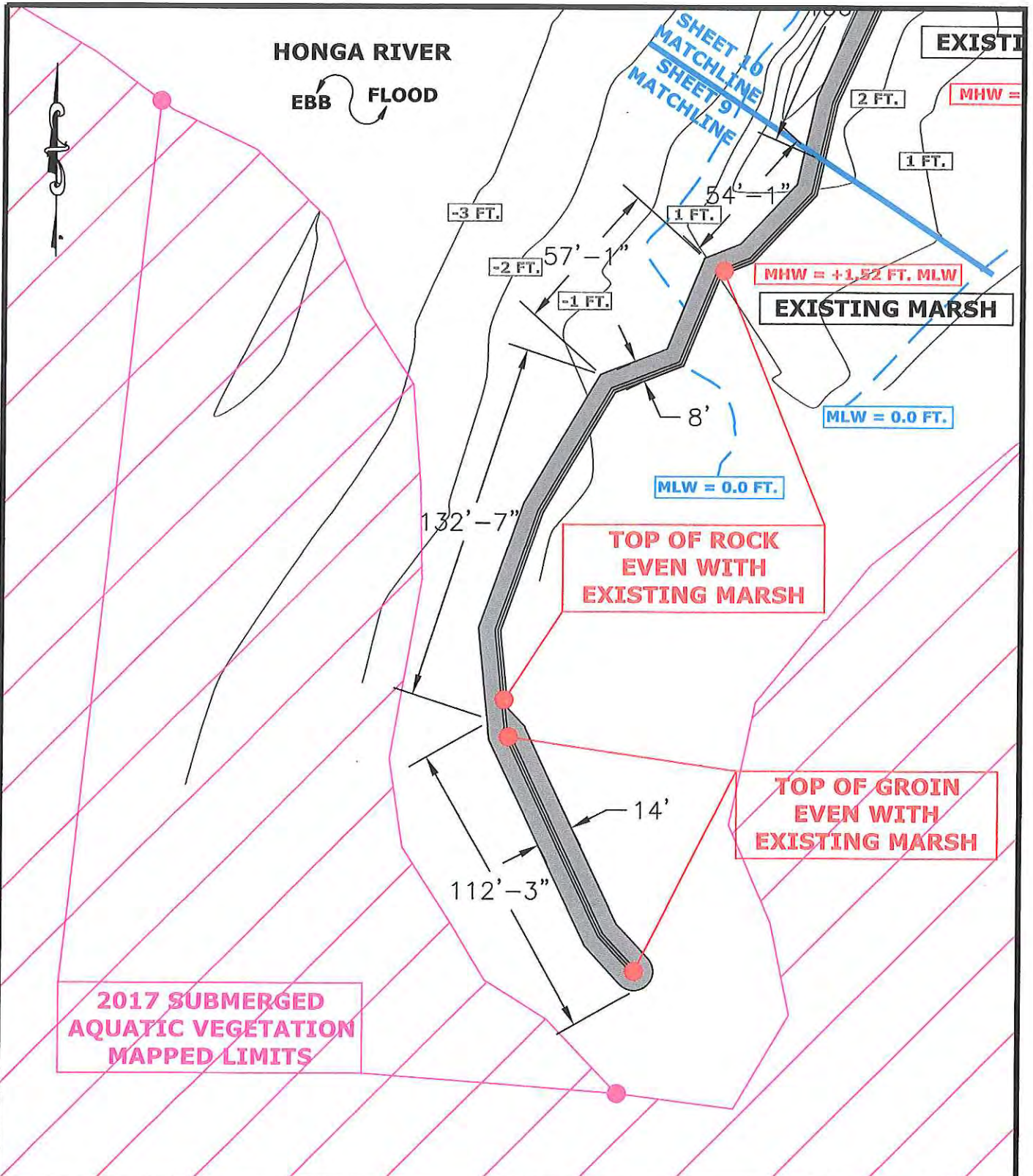
EBB FLOOD



SOUTHWEST PENINSULA KS-4  
 Wroten Island Shoreline Protection Project  
 Novak Property  
 Dorchester County, Maryland

**SUSTAINABLE SCIENCE LLC**  
*Ecological Engineering Services*  
 410 S. Second Street  
 Denton, Maryland 21629  
 Phone: (410) 924-4316  
 www.sustainable-science.com

|                           |         |
|---------------------------|---------|
| SCALE: 1 inch = 50 feet   |         |
| DRAWN BY: A. McCullough   |         |
| DATE: December 20th, 2018 |         |
| LAST REVISION: NONE       |         |
| SS PROJECT NO: 16016      |         |
| SHEET NUMBER              | 8 OF 13 |



**NORTHEAST PENINSULA KS-5**

Wroten Island Shoreline Protection Project  
Novak Property

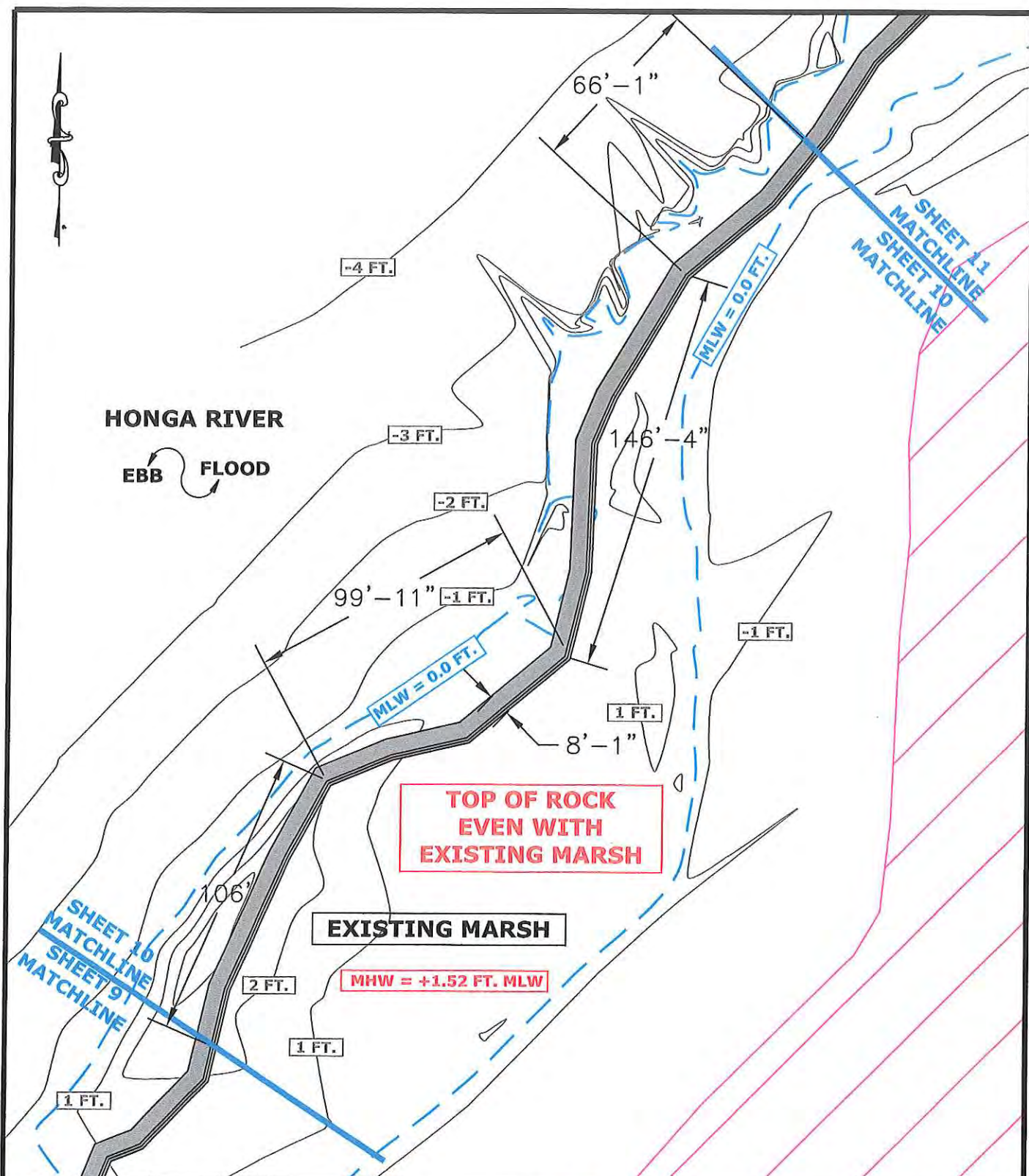
Dorchester County, Maryland

**SUSTAINABLE SCIENCE LLC**  
Ecological Engineering Services  
410 S. Second Street  
Denton, Maryland 21629  
Phone: (410) 924-4316  
www.sustainable-science.com

|                |                     |
|----------------|---------------------|
| SCALE:         | 1 inch = 50 feet    |
| DRAWN BY:      | A. McCullough       |
| DATE:          | December 20th, 2018 |
| LAST REVISION: | NONE                |
| SS PROJECT NO: | 16018               |

SHEET NUMBER 9 OF 13





NORTHEAST PENINSULA KS-6

Wroten Island Shoreline Protection Project  
Novak Property

Dorchester County, Maryland

**SUSTAINABLE SCIENCE LLC**  
*Ecological Engineering Services*  
 +10 S. Second Street  
 Denton, Maryland 21629  
 Phone: (+10) 924-4316  
 www.sustainable-science.com

|                |                     |
|----------------|---------------------|
| SCALE:         | 1 inch = 50 feet    |
| DRAWN BY:      | A. McCullough       |
| DATE:          | December 20th, 2018 |
| LAST REVISION: | NONE                |
| SS PROJECT NO: | 16016               |
| SHEET NUMBER   | 10 OF 13            |





# HONGA RIVER

EBB FLOOD

SHEET 12 MATCHLINE  
SHEET 11 MATCHLINE

-4 FT.

-3 FT.

-2 FT.

258'-7"

MLW = 0.0 FT.

EXISTING MARSH

TOP OF ROCK  
EVEN WITH  
EXISTING MARSH

8'

MHW = +1.52 FT, MLW

1 FT.

MLW = 0.0 FT.

1 FT.

-1 FT.

119'-3"

-2 FT.

SHEET 11  
MATCHLINE  
SHEET 10  
MATCHLINE

MLW = 0.0 FT.

2017 SUBMERGED  
AQUATIC VEGETATION  
MAPPED LIMITS

NORTHEAST PENINSULA KS-7

Wroten Island Shoreline Protection Project  
Novak Property

Dorchester County, Maryland

**SUSTAINABLE SCIENCE LLC**  
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 Denton, Maryland 21629  
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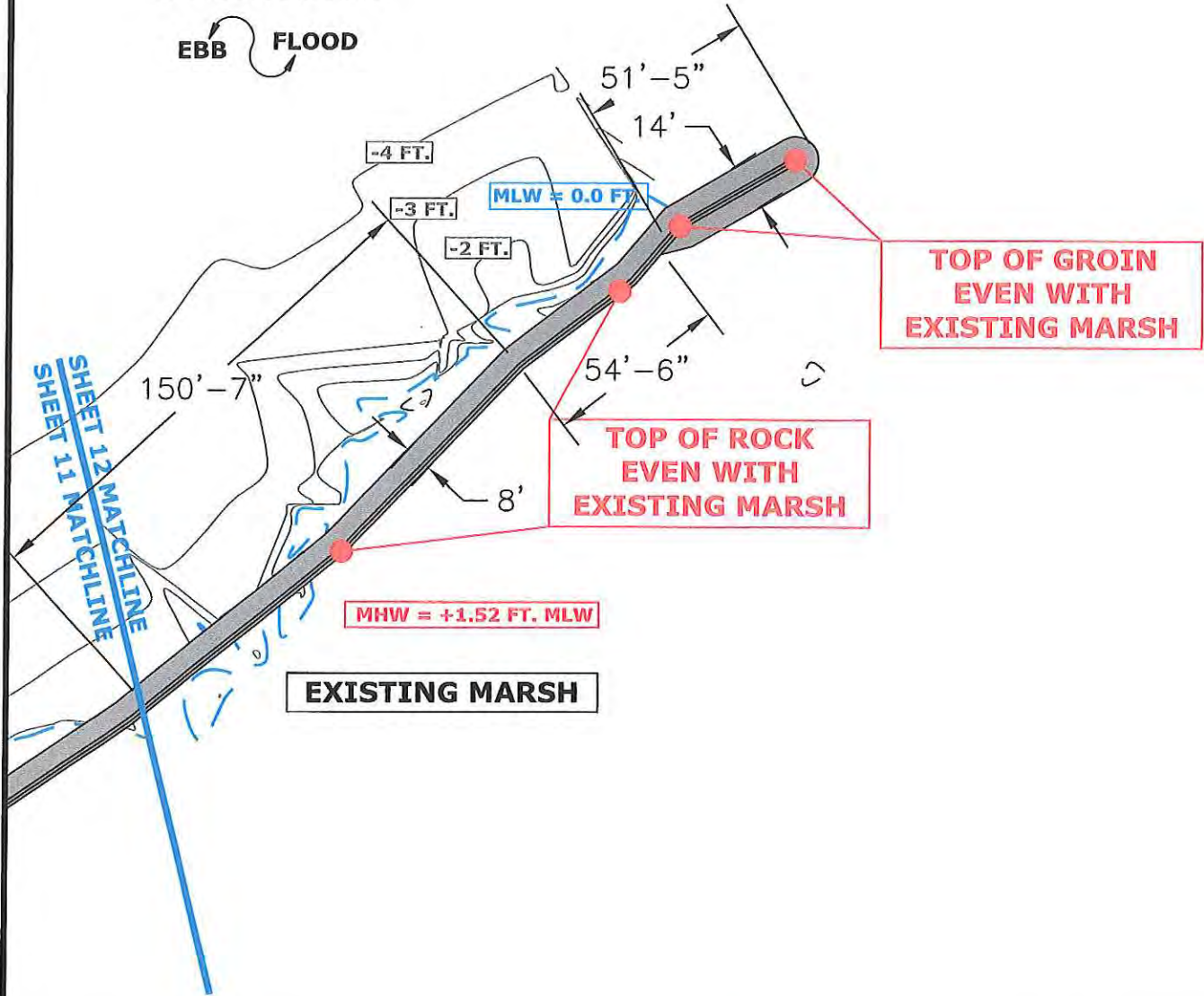
|                |                     |
|----------------|---------------------|
| SCALE:         | 1 inch = 50 feet    |
| DRAWN BY:      | A. McCullough       |
| DATE:          | December 20th, 2018 |
| LAST REVISION: | NONE                |
| SS PROJECT NO: | 16016               |

SHEET NUMBER 11 OF 13



HONGA RIVER

EBB FLOOD



NORTHEAST PENINSULA KS-8

Wroten Island Shoreline Protection Project  
Novak Property

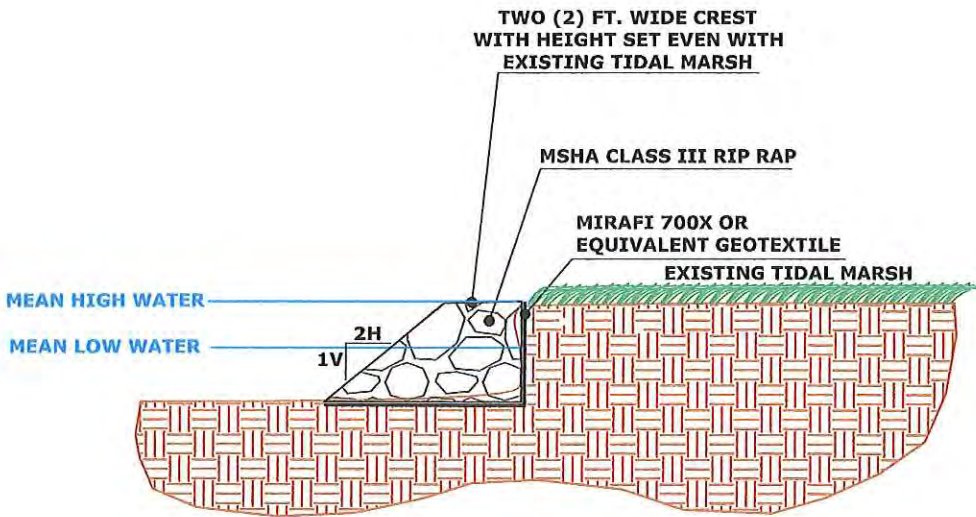
Dorchester County, Maryland

**SUSTAINABLE SCIENCE LLC**  
Ecological Engineering Services  
410 S. Second Street  
Denton, Maryland 21629  
Phone: (410) 924-4316  
www.sustainable-science.com

SCALE: 1 Inch = 50 feet  
DRAWN BY: A. McCullough  
DATE: December 20th, 2018  
LAST REVISION: NONE  
SS PROJECT NO: 16016

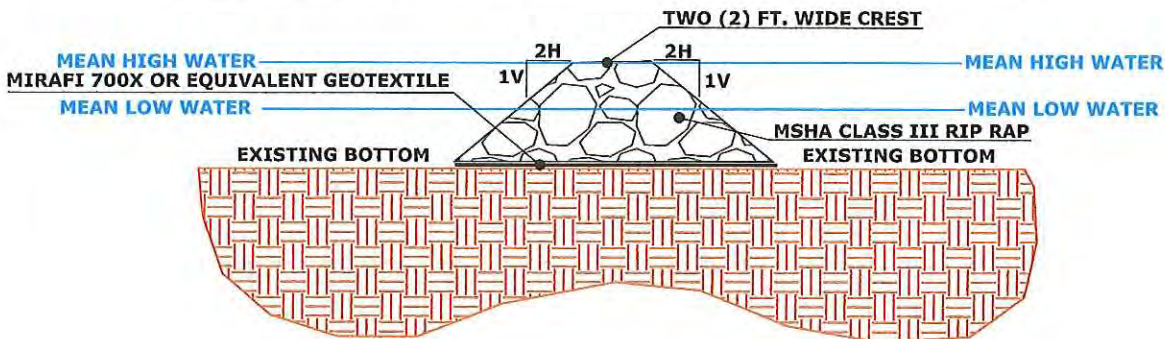
SHEET NUMBER 12 OF 13





**MARSH EDGING CONSTRUCTION DETAIL**

WESTERNMOST JETTY CREST HEIGHT ONE (1) FT. ABOVE ADJACENT MARSH GRADE  
 ALL REMAINING JETTY CREST HEIGHTS EVEN WITH ADJACENT MARSH GRADE



**HEADLAND JETTY CONSTRUCTION DETAIL**

**CONSTRUCTION DETAILS**

Wroten Island Shoreline Protection Project  
 Novak Property

Dorchester County, Maryland

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 Denton, Maryland 21629  
 Phone: (410) 924-4316  
 www.sustainable-science.com

|                 |                   |
|-----------------|-------------------|
| SCALE:          | As Shown          |
| DRAWN BY:       | A. McCullough     |
| DATE:           | January 4th, 2019 |
| LAST REVISION:  | NONE              |
| SS PROJECT NO.: | 16016             |

SHEET NUMBER 13 OF 13