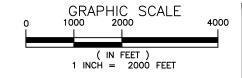


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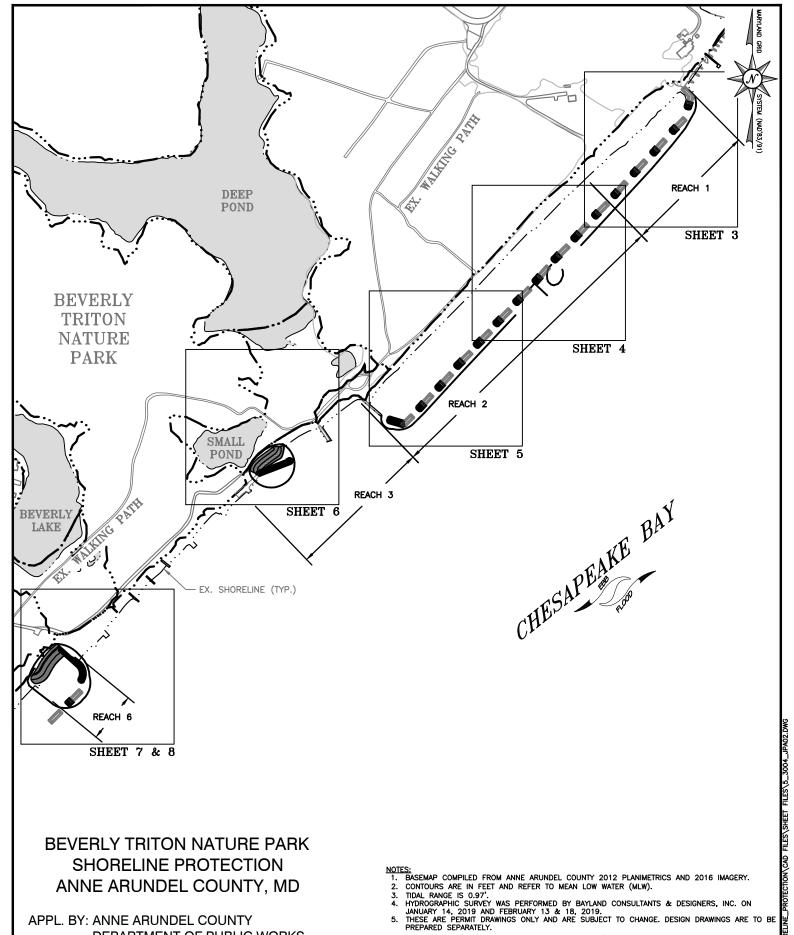
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**VICINITY MAP** 

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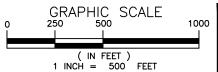




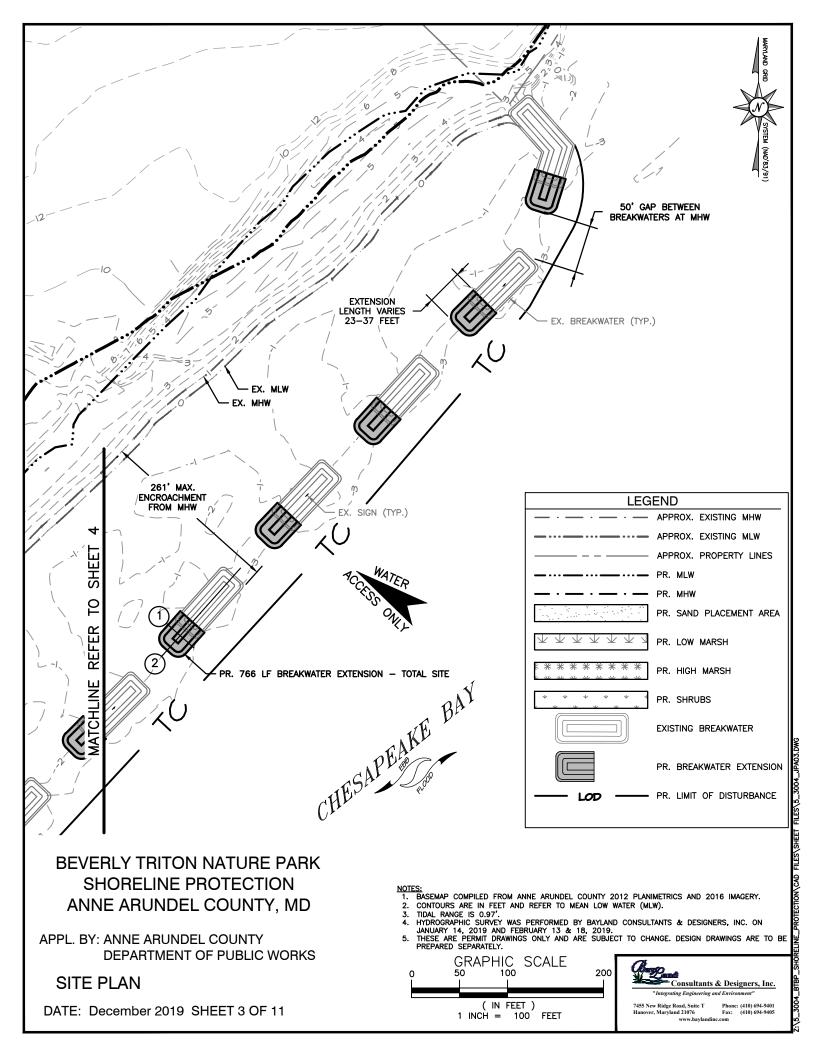
DEPARTMENT OF PUBLIC WORKS

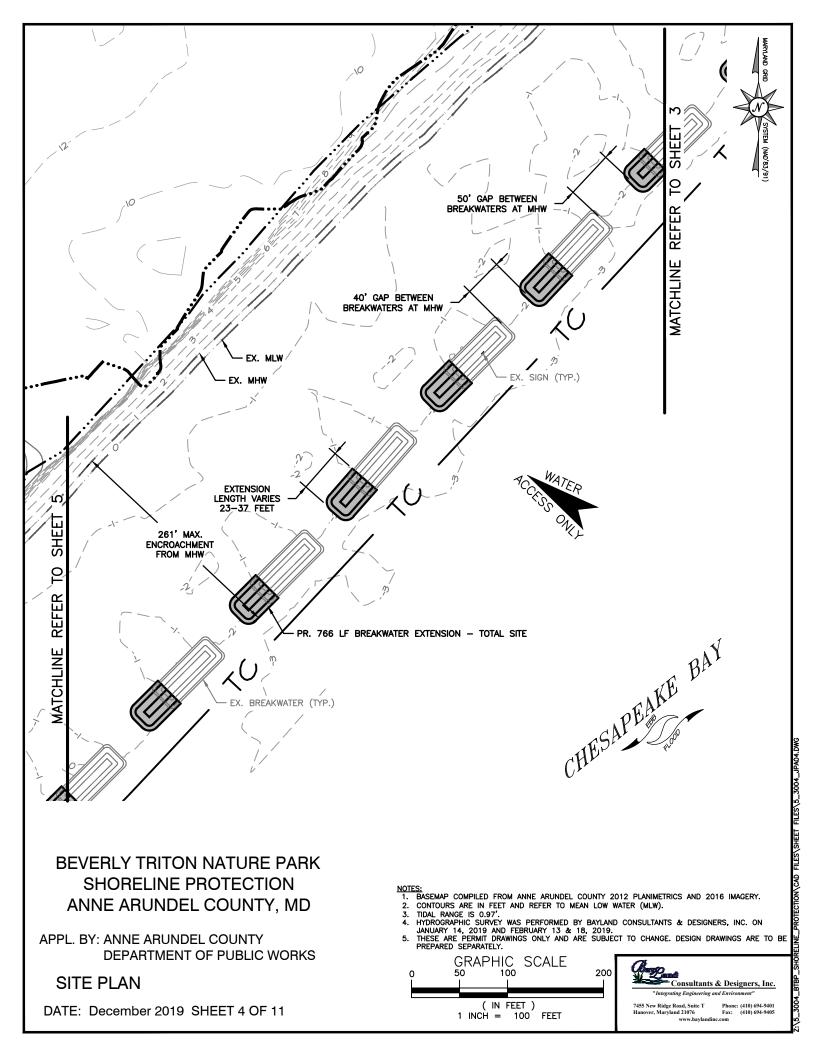
**KEY SHEET** 

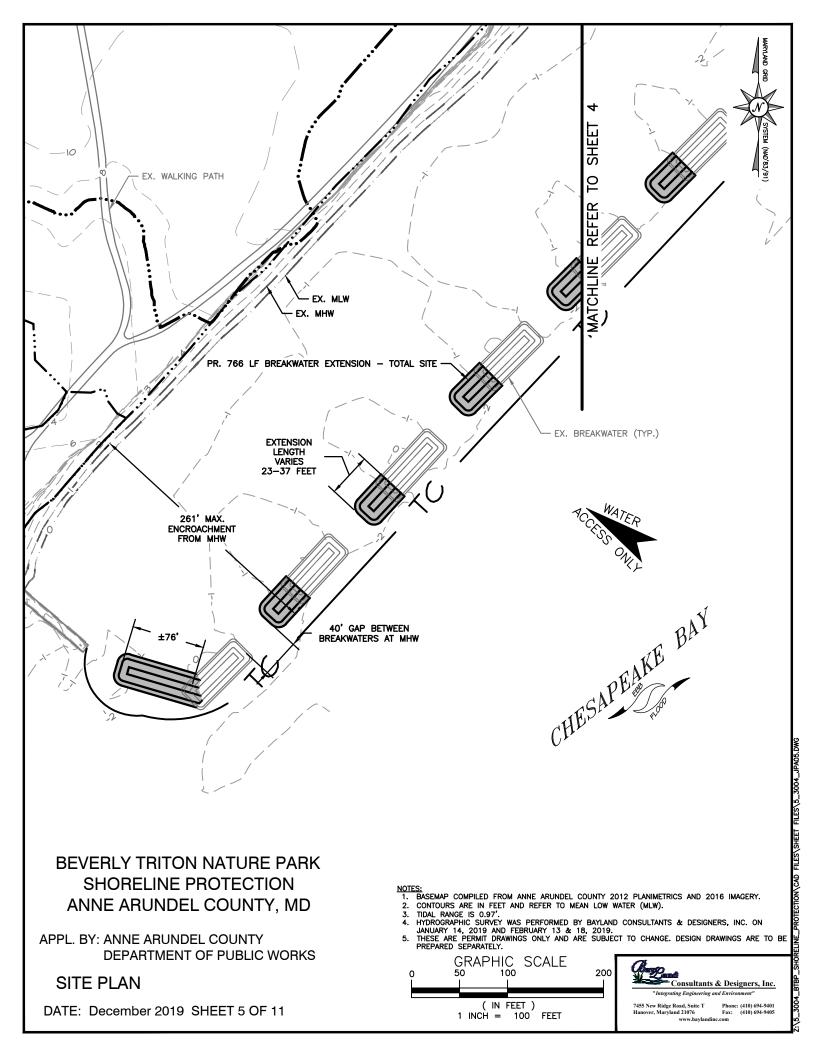
DATE: December 2019 SHEET 2 OF 11

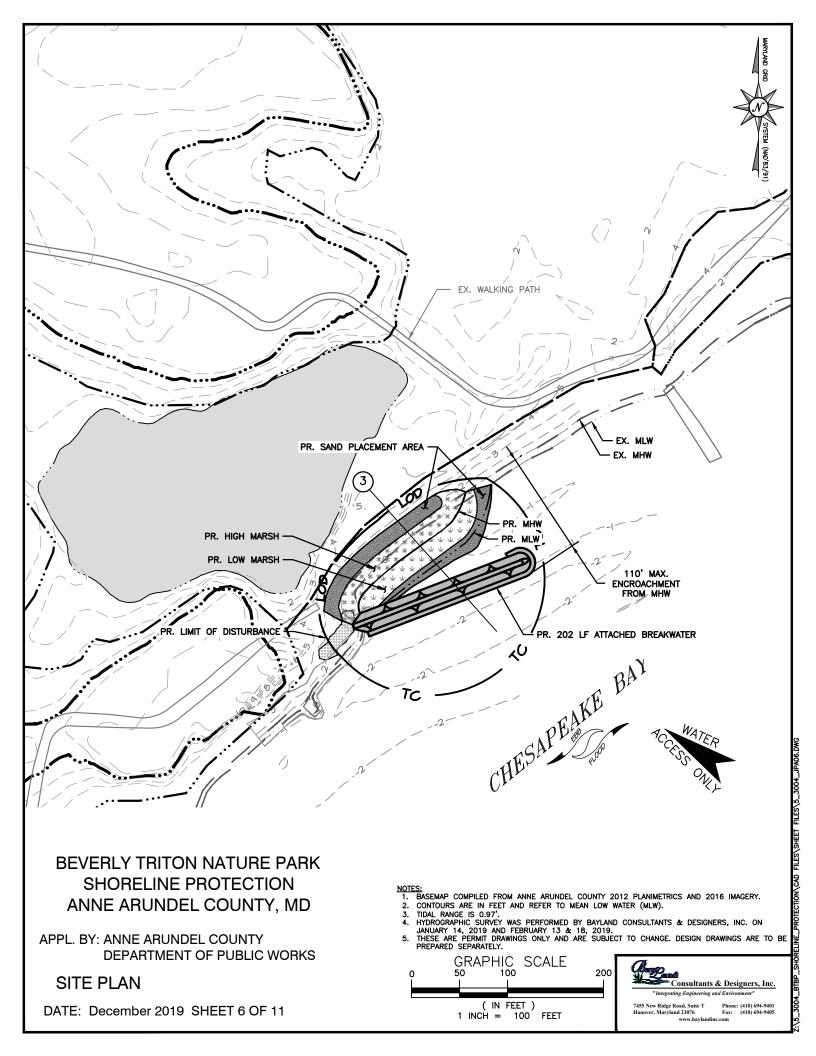


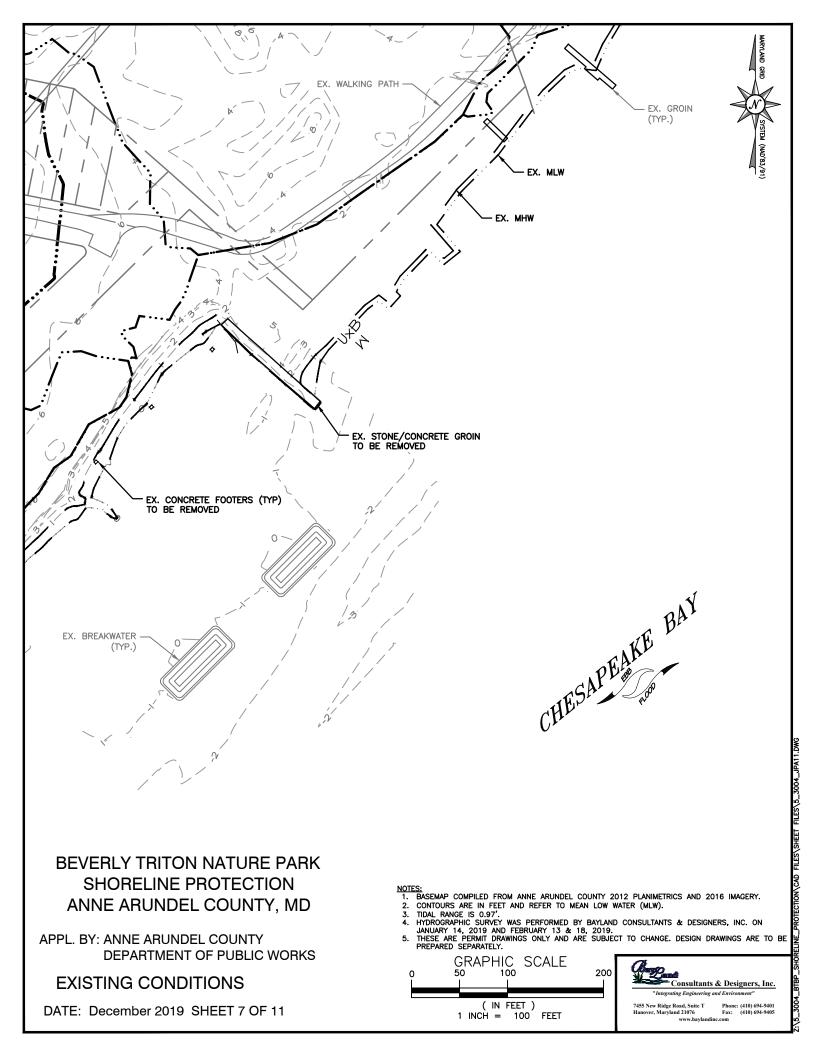
Consultants & Designers, Inc. 7455 New Ridge Road, Suite T Hanover, Maryland 21076

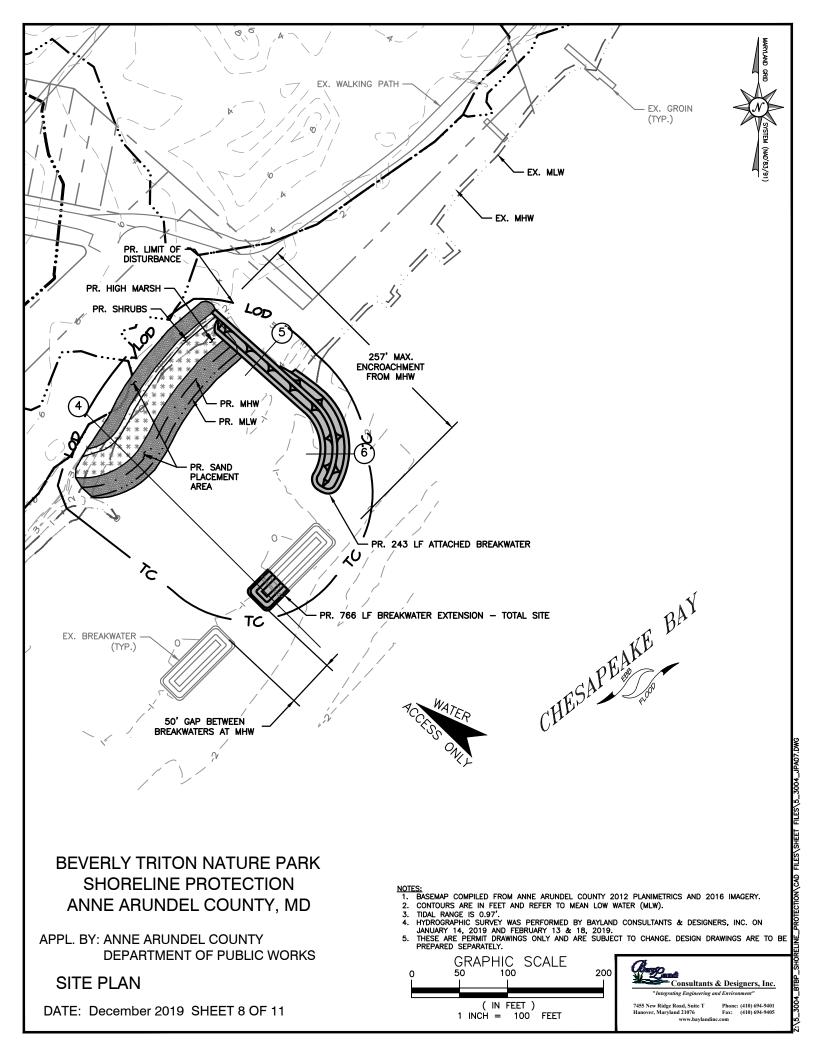




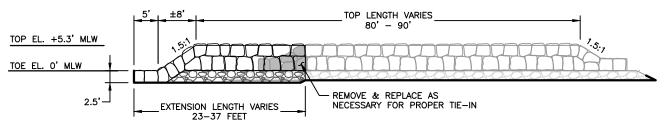








# BREAKWATER EXTENSION SECTION 1 SCALE: 1" = 10' SEE NOTE 1



### BREAKWATER SECTION 2

BEVERLY TRITON NATURE PARK SHORELINE PROTECTION ANNE ARUNDEL COUNTY, MD

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TYPICAL BREAKWATER DETAILS

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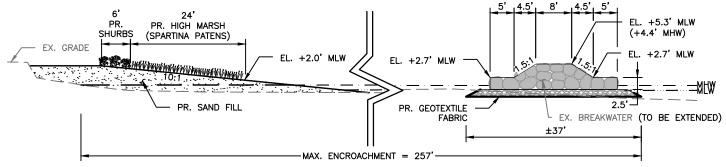
NOTES:

1. TYPICAL BREAKWATER EXTENSION SECTION REPRESENTS PROPOSED BREAKWATERS EXTENSIONS ONLY.

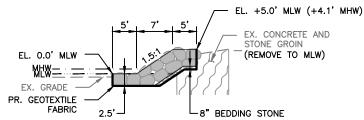


7455 New Ridge Road, Suite T Phone: (410) 694-9401 Hanover, Maryland 21076 Fax: (410) 694-9405 www.baylandinc.com 004\_BTBP\_SHORELINE\_PROTECTION\CAD FILES\SHEET FILES\5\_3004\_JF

## REACH 3 - ATTACHED BREAKWATER & LIVING SHORELINE SECTION 3

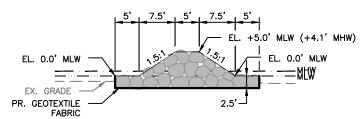


REACH 6 - BREAKWATER EXTENSION & LIVING SHORELINE SECTION 4



REACH 6 - ATTACHED BREAKWATER

<u>SECTION 5</u>



REACH 6 - ATTACHED BREAKWATER

<u>SECTION 6</u>

BEVERLY TRITON NATURE PARK SHORELINE PROTECTION ANNE ARUNDEL COUNTY, MD

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**BREAKWATER & LIVING SHORELINE DETAILS** 

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```
REACHES ONE & TWO:
STONE BREAKWATER EXTENSIONS (16) -
         TOTAL LENGTH - 733 LF
WIDTH - 31 FT
TOTAL AREA - 22,610 SF
MAX. ENCROACHMENT FROM MHW - 261 FT
REACH THREE:
ATTACHED STONE BREAKWATER –
TOTAL LENGTH – 202 LF
WIDTH – 31 FT
TOTAL AREA – 5,095 SF
MAX. ENCROACHMENT FROM MHW — 110 FT
SAND FILL — 550 CY
TOTAL LENGTH — 219 LF
AVERAGE WIDTH - 71 FT
TOTAL AREA - 11,722 SF
MAX. ENCROACHMENT FROM MHW - 55 FT
MARSH PLANTINGS - 6,400 SF
REACH SIX:
STONE BREAKWATER EXTENSION (1) -
TOTAL LENGTH - 33 LF
WIDTH - 31 FT
TOTAL AREA - 993 SF
MAX. ENCROACHMENT FROM MHW - 257 FT
ATTACHED STONE BREAKWATER -
         TOTAL LENGTH - 243 LF
WIDTH - 30 FT
TOTAL AREA - 6,437 SF
MAX. ENCROACHMENT FROM MHW - 228 FT
SAND FILL - 1,275 CY
TOTAL LENGTH - 224 LF
AVERAGE WIDTH - 72 FT
TOTAL AREA — 14,805 SF
MAX. ENCROACHMENT FROM MHW — 61 FT
MARSH PLANTINGS — 5,079 SF
SHRUB PLANTINGS — 1,183 SF
```

### IMPACT SUMMARY

TOTAL PROPOSED IMPACT = 60,780 SF (1.40 ACRES)
TOTAL AREA OF IMPACT FROM MHW INTO TIDAL WATERS: 55,496 SF (1.27 ACRES)
TOTAL AREA OF IMPACT TO PRIVATE TIDAL WETLANDS: 0 SF

#### NOTES

- BASEMAP COMPILED FROM ANNE ARUNDEL COUNTY 2012 PLANIMETRICS AND 2016 IMAGERY.
- 2. CONTOURS ARE IN FEET AND REFER TO MEAN LOW WATER (MLW).
- TIDAL RANGE 0.97 FEET.
- 4. HYDROGRAPHIC SURVEY WAS PERFORMED BY BAYLAND CONSULTANTS & DESIGNERS, INC. ON JANUARY 14, 2019 AND FEBRUARY 13 & 18, 2019.
- 5. THESE ARE PERMIT DRAWINGS ONLY AND ARE SUBJECT TO CHANGE. DESIGN DRAWINGS ARE TO BE PREPARED SEPARATELY.

**BEVERLY TRITON NATURE PARK** SHORELINE PROTECTION ANNE ARUNDEL COUNTY, MD

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SITE NOTES

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