

TYPE 2 HD TURBIDITY CURTAIN, PER GEI WORKS, OR APPROVED EQUAL—INSTALLED AND ANCHORED PER MANUFACTURER SPECIFICATIONS. MINIMUM 1' OF CLEARANCE BELOW CURTAIN, TO GROUND, WHERE POSSIBLE. IN WATER 30" OR SHALLOWER, STAKED TURBIDITY BARRIER IS TO BE UTILIZED. SEE SHEETS 9-11 FOR ADDITIONAL INFORMATION. (TYPICAL)

- NOTES:
1. ALL PROPERTY SHOWN ON THIS PLAN IS OWNED BY STATE OF MARYLAND DEPARTMENT OF NATURAL RESOURCES.
 2. LENGTH OF SHORELINE DISTURBANCE ON THIS PLAN IS 350'±.

KCI
TECHNOLOGIES

ENGINEERS
PLANNERS
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CONSTRUCTION MANAGERS

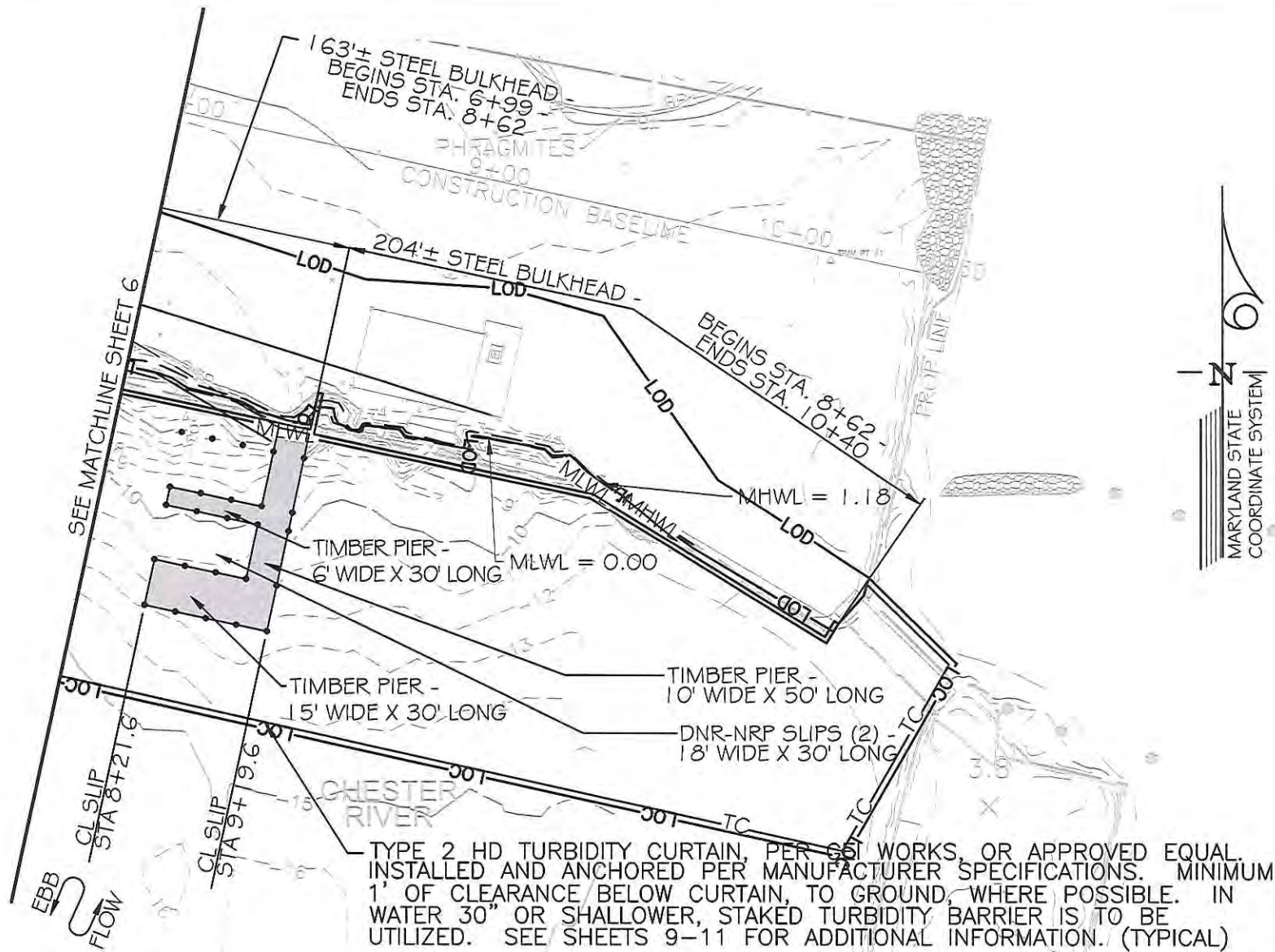
936 RIDGEBROOK ROAD
SPARKS, MARYLAND 21152
TELEPHONE: (410) 316-7800
FAX: (410) 316-7818

DATE	03/28/2022
SCALE	1" = 50'
DESIGNED BY	CTS
DRAWN BY	CTS

PROPOSED CONDITIONS

PROJECT: REPLACEMENT BULKHEADS, PIERS, PILES, REVETMENT
PHASE 1 MARINE IMPROVEMENT PROJECT
AT
LOVE POINT STATE PARK
FOR STATE OF MD DNR, 580 TAYLOR AVE E-4, QUEEN ANNE'S COUNTY,
ANNAPOLIS, MD 21401

BY: \$USERNAMES\$
FILE: \$FILES\$



TYPE 2 HD TURBIDITY CURTAIN, PER 651 WORKS, OR APPROVED EQUAL, INSTALLED AND ANCHORED PER MANUFACTURER SPECIFICATIONS. MINIMUM 1' OF CLEARANCE BELOW CURTAIN, TO GROUND, WHERE POSSIBLE. IN WATER 30" OR SHALLOWER, STAKED TURBIDITY BARRIER IS TO BE UTILIZED. SEE SHEETS 9-11 FOR ADDITIONAL INFORMATION. (TYPICAL)

NOTES:

1. ALL PROPERTY SHOWN ON THIS PLAN IS OWNED BY STATE OF MARYLAND DEPARTMENT OF NATURAL RESOURCES.
2. LENGTH OF SHORELINE DISTURBANCE ON THIS PLAN IS 265±.

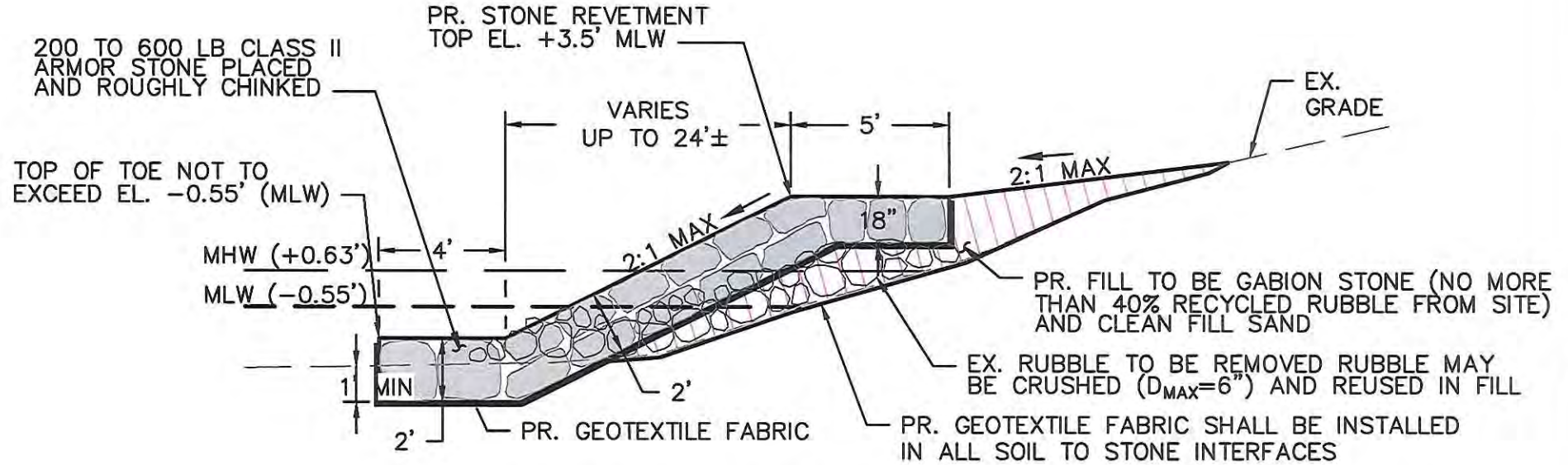
SHEET 7 OF 13

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	<p>DATE 03/28/2022</p>
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<p>DESIGNED BY CTS</p>	<p>DRAWN BY CTS</p>

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BY: \$USERNAME\$ FILE: \$FILES\$



NOTE: EXISTING RUBBLE SALVAGED FROM THE SITE MAY BE ADDED UNIFORMLY, (NO MORE THAN 40% BY VOLUME AND $D_{MAX}=6"$) TO THE FILL MATERIAL, AVOIDING LARGE VOIDS. ANY REMAINING REBAR IN RUBBLE TO BE CUT FLUSH.

TYPICAL +3.5' (MLW) REVETMENT DETAIL
STA. 1+18 - 3+28
 SCALE: NOT TO SCALE

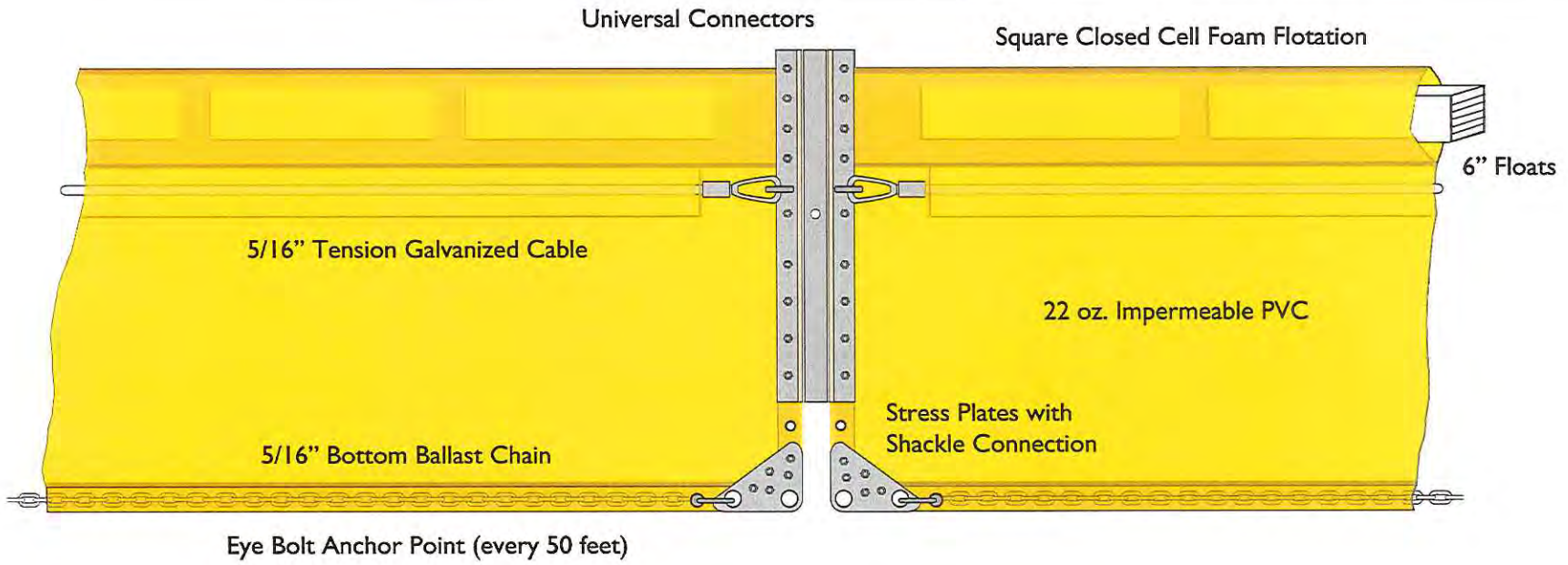
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REVETMENT CROSS SECTION
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AERIAL PHOTO
SCALE: 1" = 200'

Drawing is for illustrative purposes only. Not to scale.
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Natural forces such as current, wind, waves, and location affect your product and may require engineering, additional anchoring, and customization.



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Type 2 HD Turbidity Curtain

Scale:	Drawing:	Revision:	Date:	By:
Not to Scale		1		

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TURBIDITY CURTAIN DETAIL

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Turbidity Curtain Installation Guide

The following is a typical installation guide for installing the floating silt and turbidity curtain. Sites may require additional designs, layouts, and performance requirements.

****** PLEASE NOTE: PROPER ANCHORING OF TURBIDITY CURTAINS IS EXTREMELY IMPORTANT. LOADING, VELOCITY, FLOW AND LOCATION OF SUBMERGED DEBRIS WILL IMPACT THE PERFORMANCE OF THIS PRODUCT—AND MAY CONTRIBUTE TO PRODUCT FAILURE. PLEASE ASK YOUR TEAM MEMBER FOR PROPER ANCHORING RECOMMENDATIONS BASED ON YOUR SITE AND CONDITIONS.**

(Prior to deploying, it is helpful to mark off your curtain layout using buoys or markers. This can help to direct boats along the right path during deployment and positioning.)

When arriving to your location, each section of the turbidity curtain will be bundled separately and secured with a vinyl strap. **(Fig 1)**

In addition, skirts located on the barrier will be additionally furled or rolled up to the flotation device with a light twine. **DO NOT CUT THE TWINE REEFING LINES UNTIL YOUR CURTAIN HAS BEEN TOWED AND ANCHORED INTO POSITION.** (see note page 2)

Step 1: Lay out bundles/sections of turbidity curtain along the shoreline of your location. Each bundle should be placed approximately 15 to 20 inches apart. Once in place, cut or untie the vinyl BUNDLE straps. **(Fig 2)**

Step 2: Slide together the aluminum section connectors. **(Fig 3a)** (These connectors will only be present on Type 2 or Type 3 curtains). Once together, insert the toggle pin to keep in place. **(Fig 3b)** (These types of Connectors will not be present on a Type 1 turbidity curtain.)

Step 3: Connect the grommet eyes of the sections using rope ties or heavy duty zip ties. This should be done by aligning the grommet eye of one section to the grommet eye of the next section. Once aligned, tie the rope through both grommet eyes.

Repeat for the entire depth of the skirt. **(Fig 4)**

(Steps 4 -7 Continued on p. 2)

For additional information regarding your curtain design, layout, or deployment method, please contact your local technical representative.



Fig 1



Fig2



Fig 3a



Fig 3b



Fig 4



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