



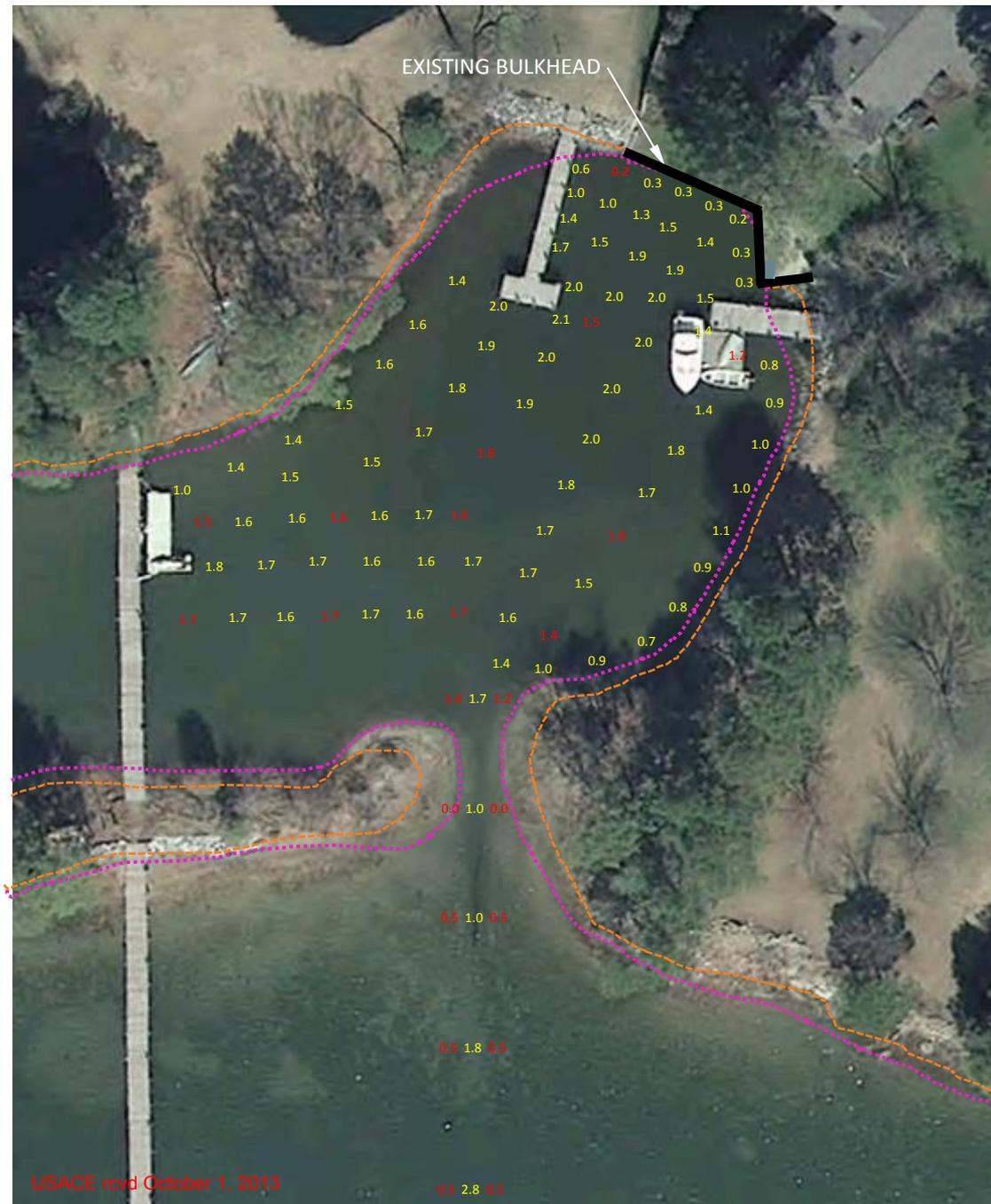
# PROPERTY LINES

PROPERTY LINES   
MEAN LOW WATER 



USACE rcvd October 1, 2013

**PROPOSAL:** DREDGE AND LOW PROFILE VINYL MARSH TOE STABILIZATION  
**IN:** PRIVATE COVE OFF POQUOSON RIVER  
**APPLICANTS:**  
TIMOTHY SHEKOSKI, 105 OLD HOUSE POINT CIRCLE  
KENNETH FRANTZ, 1301 DARE ROAD  
JAMES HALL, 1239 DARE ROAD  
MARILYN BARR, 1307 DARE ROAD  
CAHTERINE GARRETT, 108 OLD HOUSE POINT CIRCLE



## WATER DEPTHS

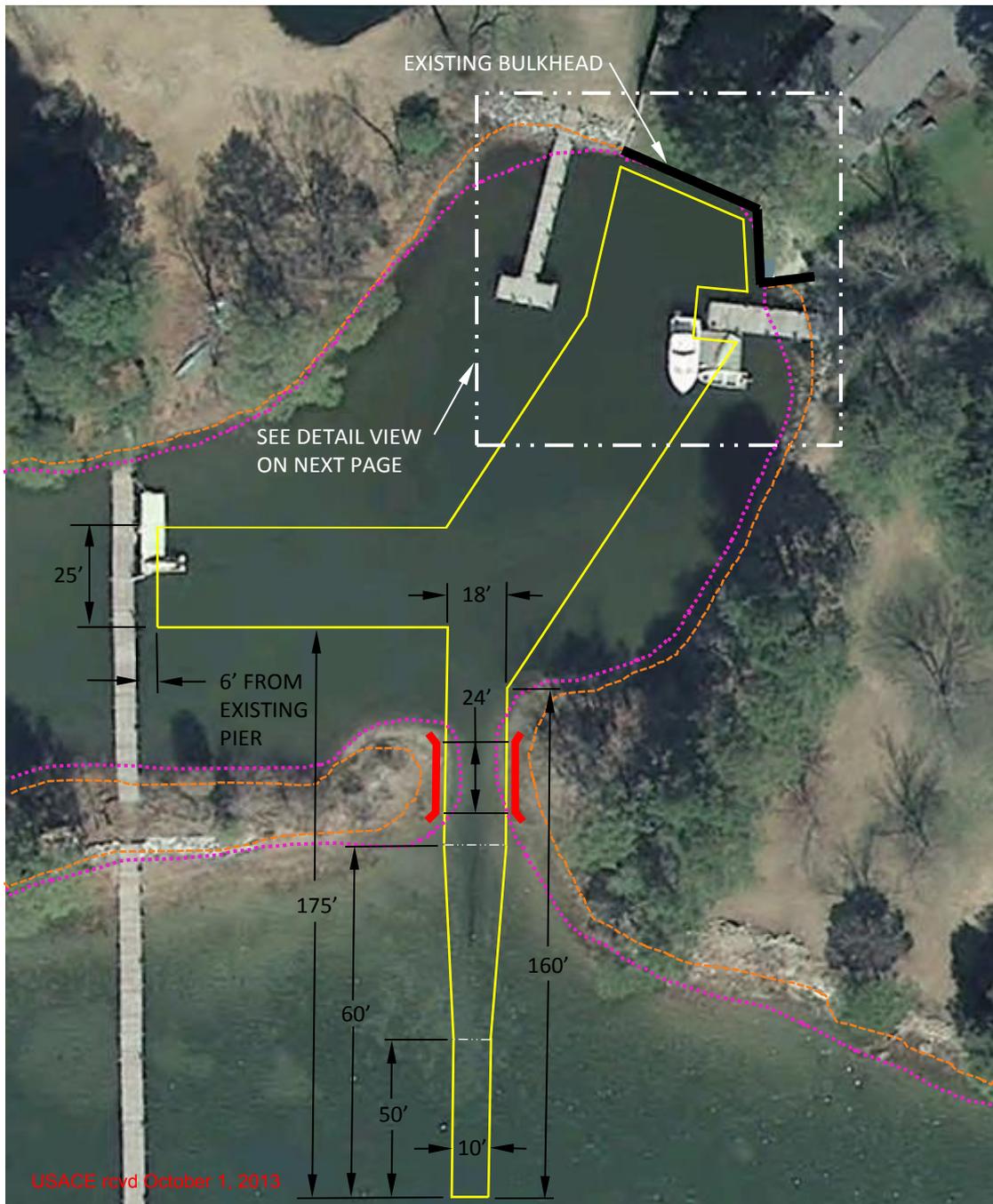
RED DEPTHS TAKEN AT ON-SITE PVC POLES

ALL DEPTHS RECORDED AT MEAN LOW WATER

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## PROPOSED DREDGE AREA

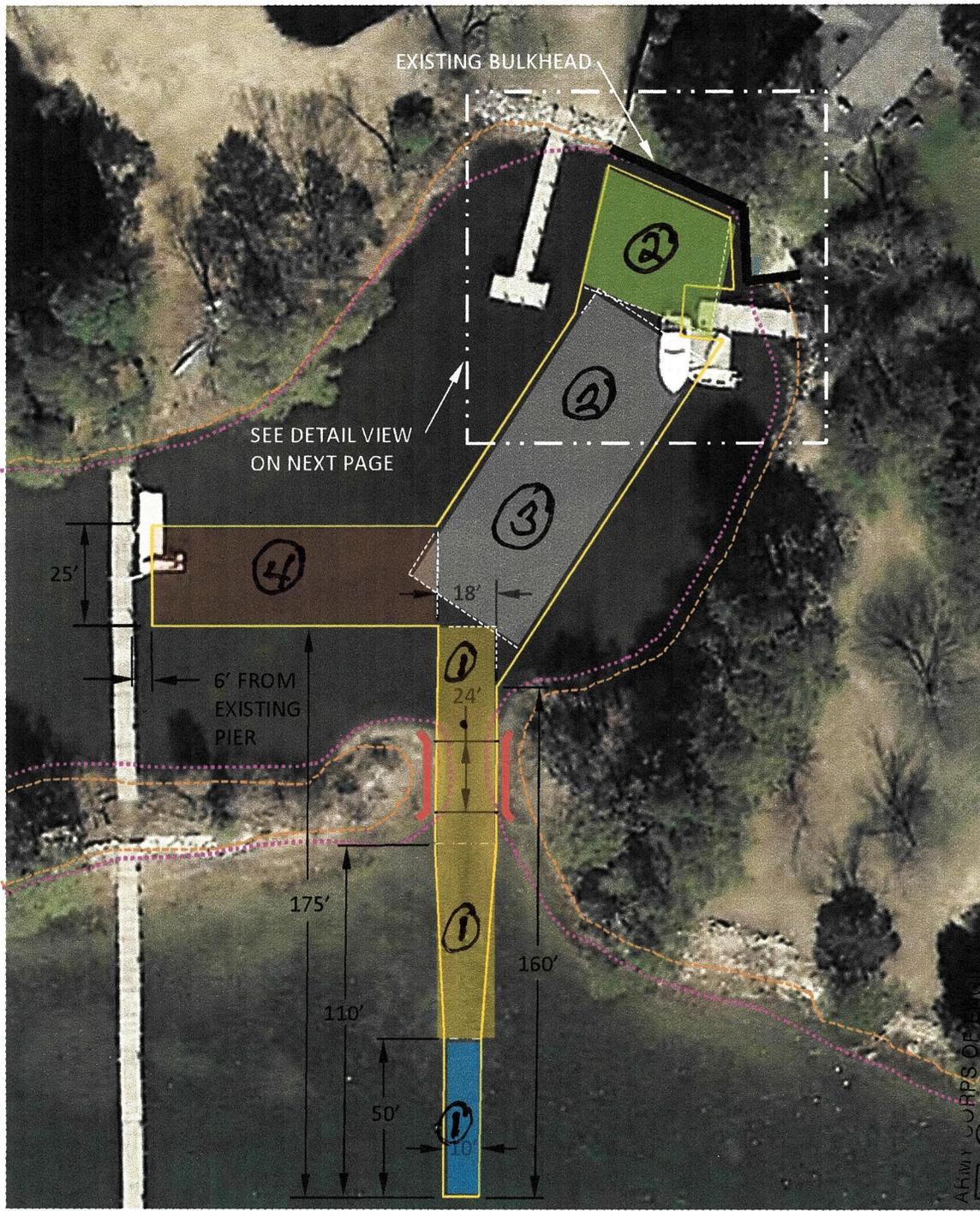
PROPOSED DREDGE BOX —

PROPOSED MARSH TOE STABILIZATION WALLS —

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# DREDGE MATERIAL CALCULATIONS

②  
③  
④

$$25' \times 86' = 2150 \text{ ft}^2$$

$$\times 1.4' \text{ avg depth} / (27 \text{ ft}^3/\text{yd}^3)$$

$$= \underline{111.5 \text{ yd}^3}$$

$$30' \times 110' = 3300 \text{ ft}^2$$

$$\times 1.1' \text{ avg depth} / (27 \text{ ft}^3/\text{yd}^3)$$

$$= \underline{134 \text{ yd}^3}$$

$$30' \times 25' = 750 \text{ ft}^2$$

$$\times 1.5' \text{ avg depth} / (27 \text{ ft}^3/\text{yd}^3)$$

$$= \underline{42 \text{ yd}^3}$$

$$18' \times 120' = 2160 \text{ ft}^2$$

$$\times 2.0' \text{ avg depth} / (27 \text{ ft}^3/\text{yd}^3)$$

$$= \underline{160 \text{ yd}^3}$$

$$10' \times 50' = 500 \text{ ft}^2$$

$$\times 0.5' \text{ avg depth} / (27 \text{ ft}^3/\text{yd}^3)$$

$$= \underline{9.2 \text{ yd}^3}$$

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ARBITRATORS OFFICE  
OCT 28 2013

## MAGNIFIED VIEW FROM PREVIOUS PAGE

PROPOSED DREDGE BOX



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# MARSH TOE STABILIZATION WALL LOCATIONS FROM BENCH MARK



PROPOSED DREDGE BOX 

PROPOSED MARSH TOE STABILIZATION WALLS 

NOTES:

BENCH MARK IS THE HEAD OF A NAIL STAKED AND FLAGGED ON A TREE TRUNK

DIMENSIONS ARE FROM BENCH MARK TO WOODEN STAKES DESIGNATING CORNERS OF PROPOSED STABILIZATION WALLS

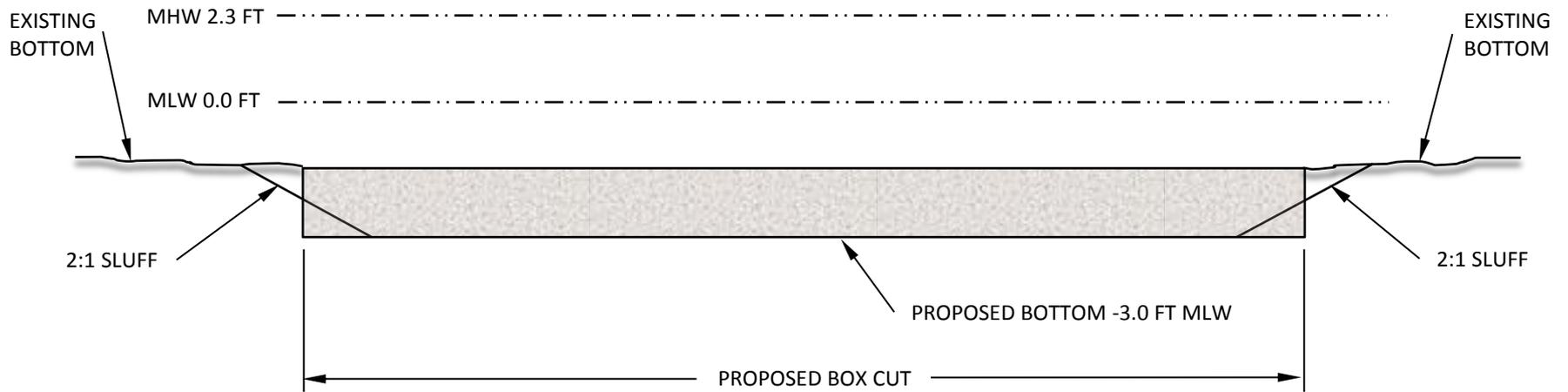
TREE TRUNK

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# TYPICAL CROSS SECTION FOR ALL DREDGE AREAS (EXCEPT BETWEEN MARSH TOE STABILIZATION WALLS)



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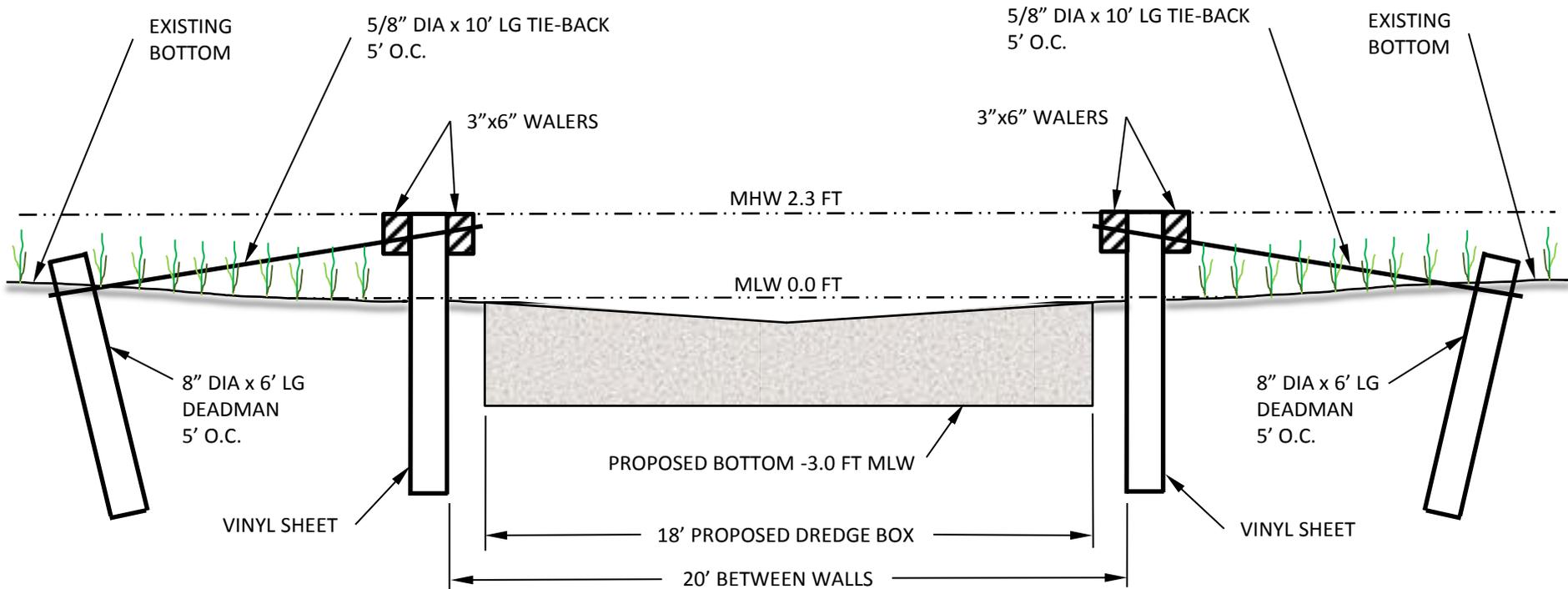
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# CROSS SECTION BETWEEN PROPOSED MARSH TOE STABILIZATION WALLS



**NOTE:**

THE ONLY DISTURBANCE OF MARSH GRASS THAT MIGHT OCCUR WOULD BE DUE TO DEADMAN AND TIE-BACK INSTALLATION

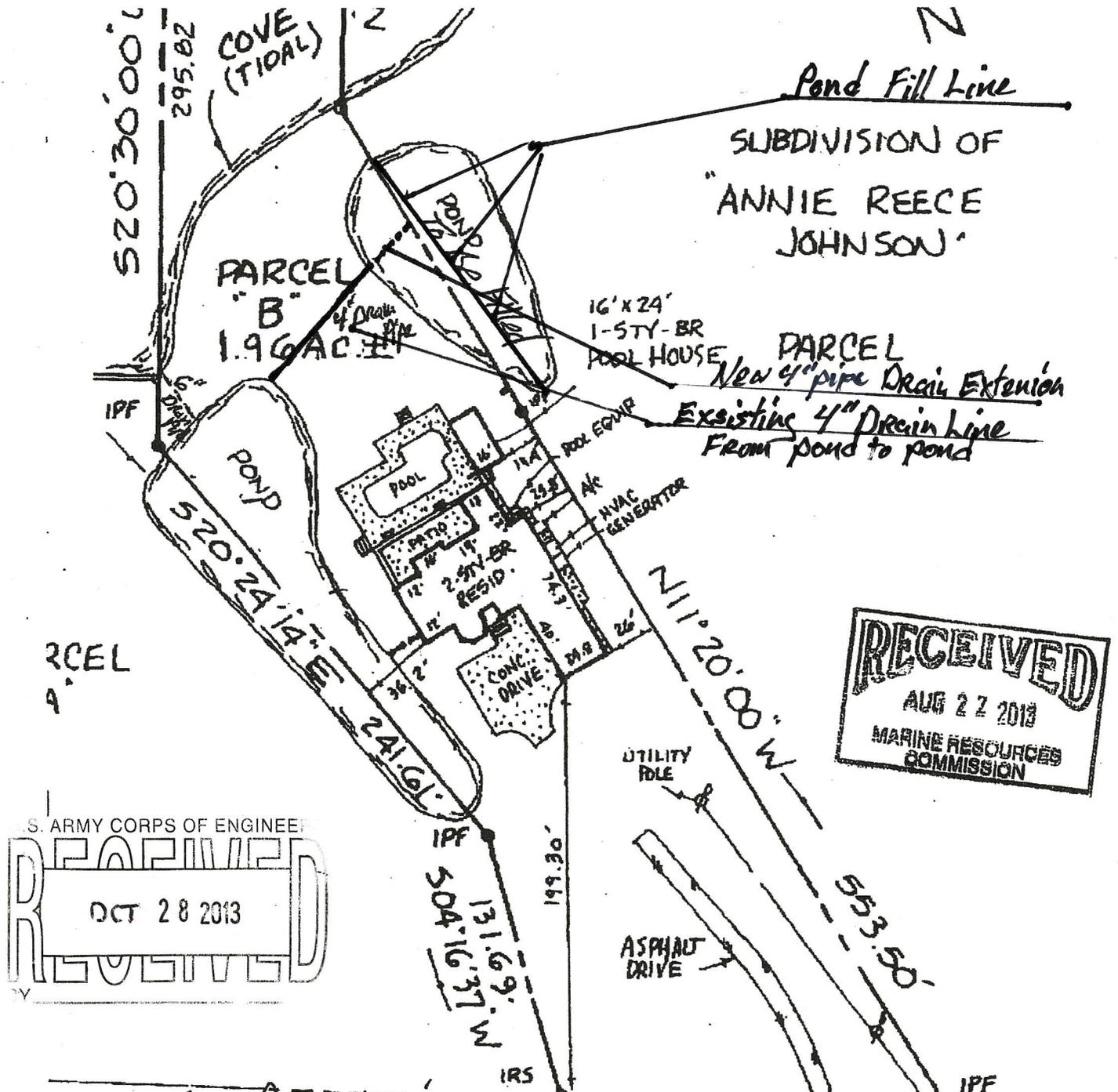
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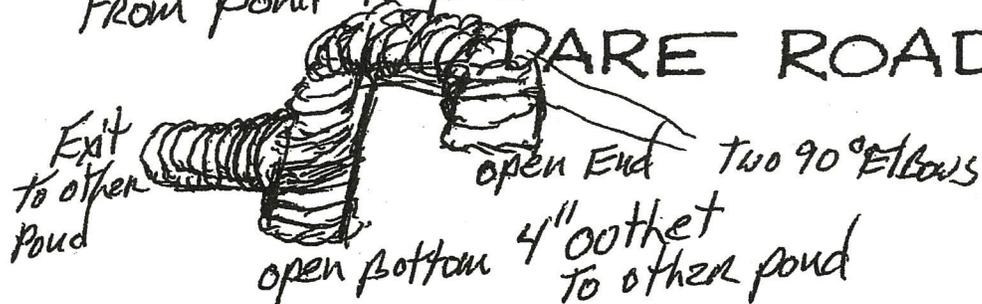
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**RECEIVED**  
 AUG 27 2013  
 MARINE RESOURCES  
 COMMISSION

S. ARMY CORPS OF ENGINEERS  
**RECEIVED**  
 OCT 28 2013

Drawing of Drain pipe  
 From pond to pond



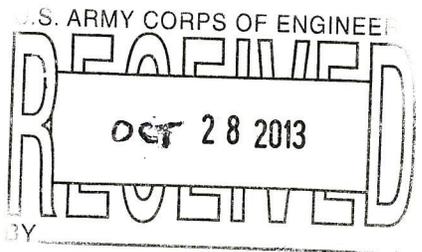
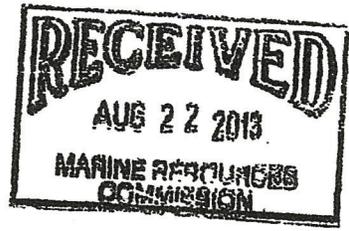
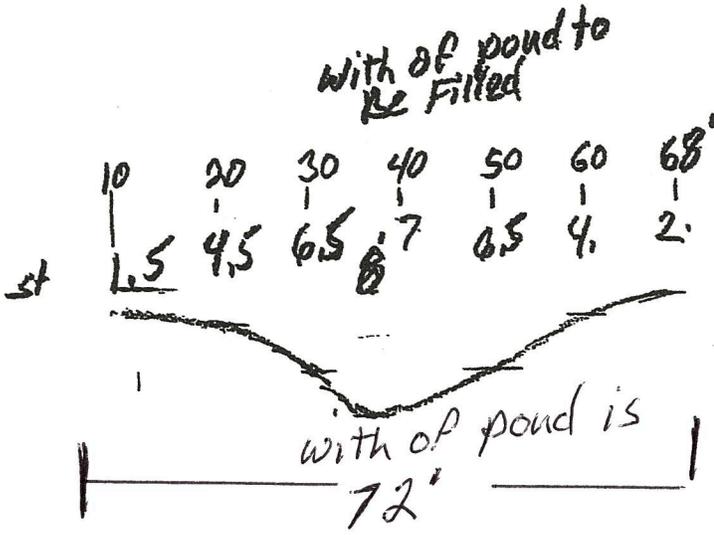
30' R/W  
 Pond to be Filled  
 Page (2)



1301 Dare Rd.  
Yorktown Va

Sounding of pond to be Filled

1" Equals 20'



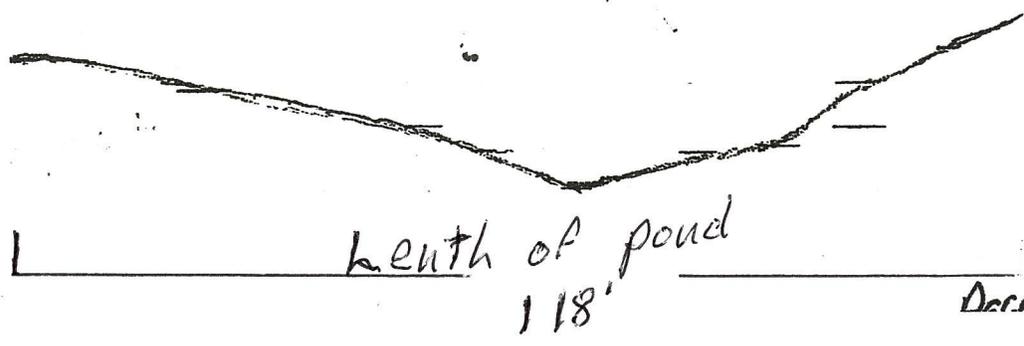
South

Scale  
1" Equals 20'  
stake set  
Front Property  
House side  
North

Length of mit  
OF pond to be filled  
with Dredge material

10	20	30	40	50	60	70	80	90	100	110	118
2'	3.5	4'	5.2	5.10	7'	8'	7.4	6.5	4'	2'	

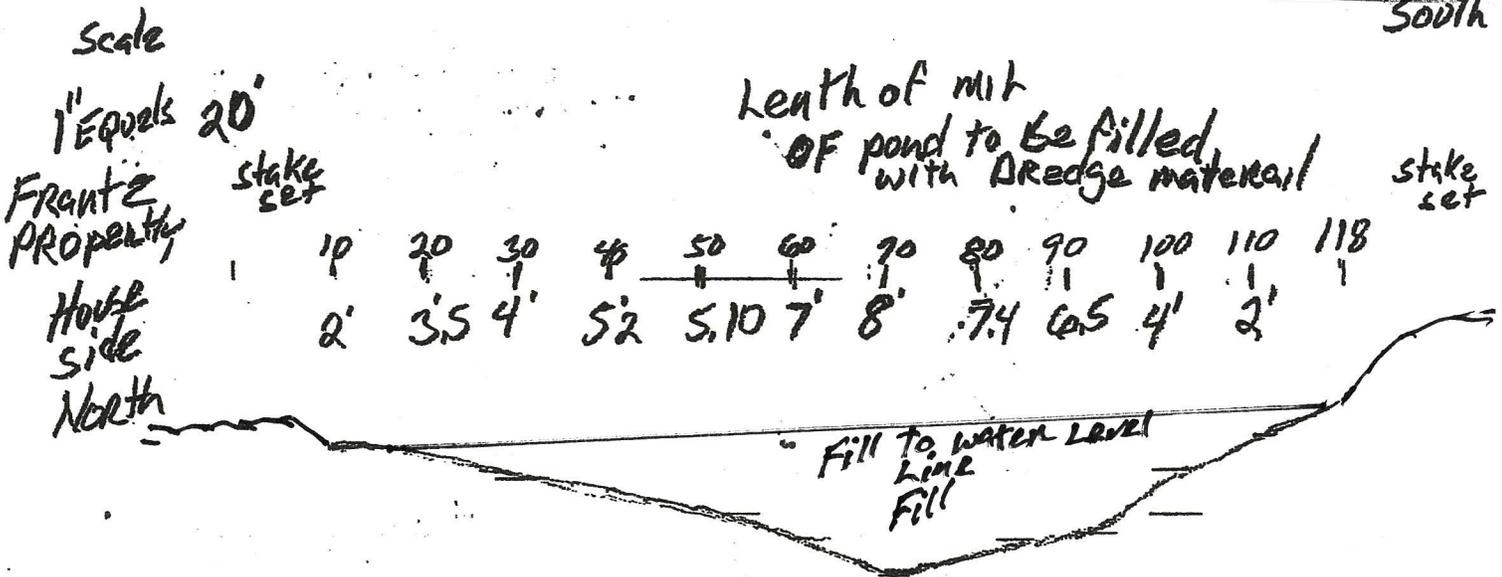
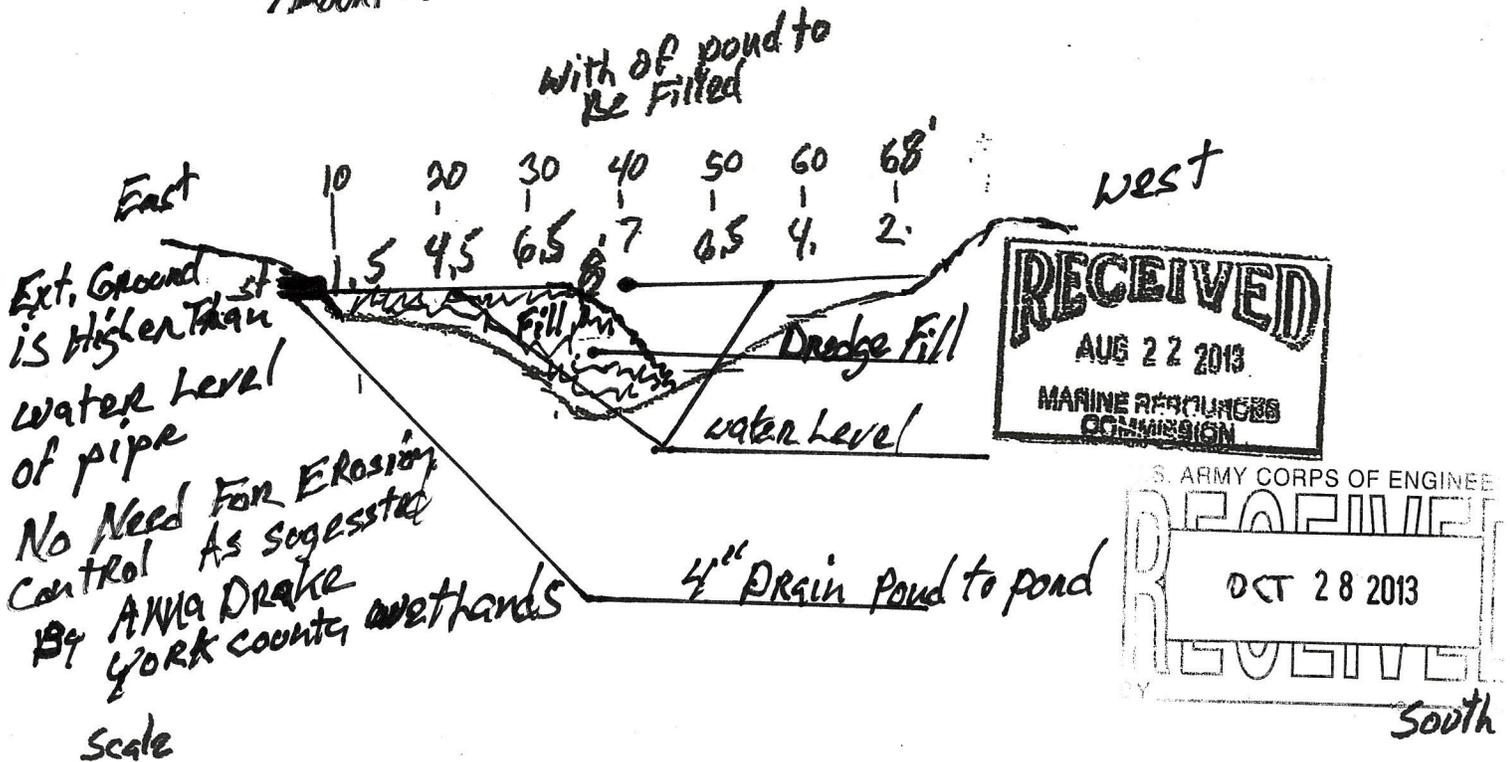
stake set



Dave (6)

1301 Dare Rd.  
Yorktown VA

1" Equals 20'  
Sounding of pond to Filled Level Lines  
Amount of Fill will only fill 1/2 of pond as per Drawing



Done