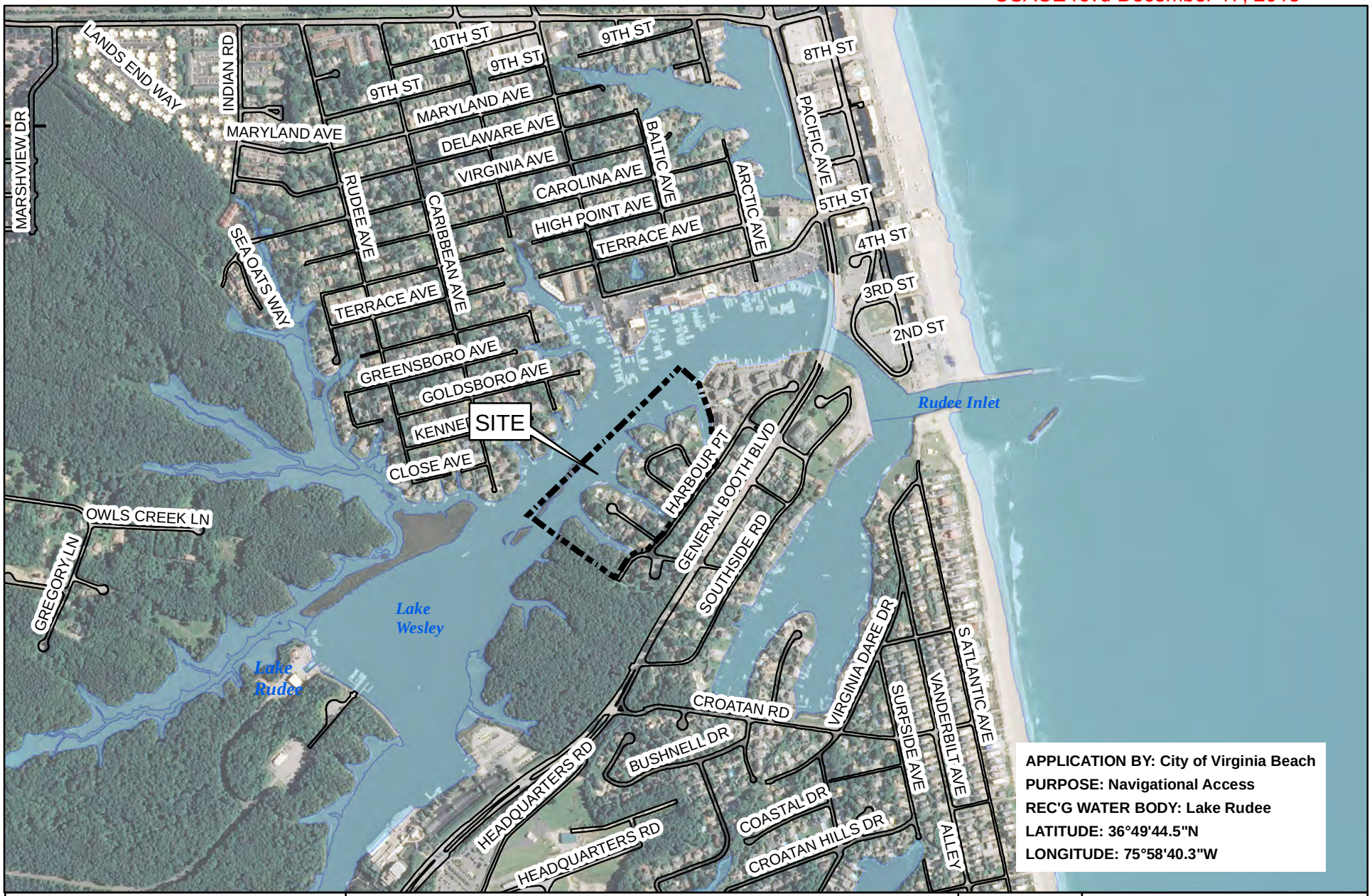
USACE rcvd December 17, 2015



Kerr Environmental Services Corp.

&

L&M

JOINT PERMIT APPLICATION DRAWINGS
VICINITY MAP
HARBOUR POINT SSD NEIGHBORHOOD DREDGING

VIRGINIA BEACH, VIRGINIA

1 inch = 1,000 feet

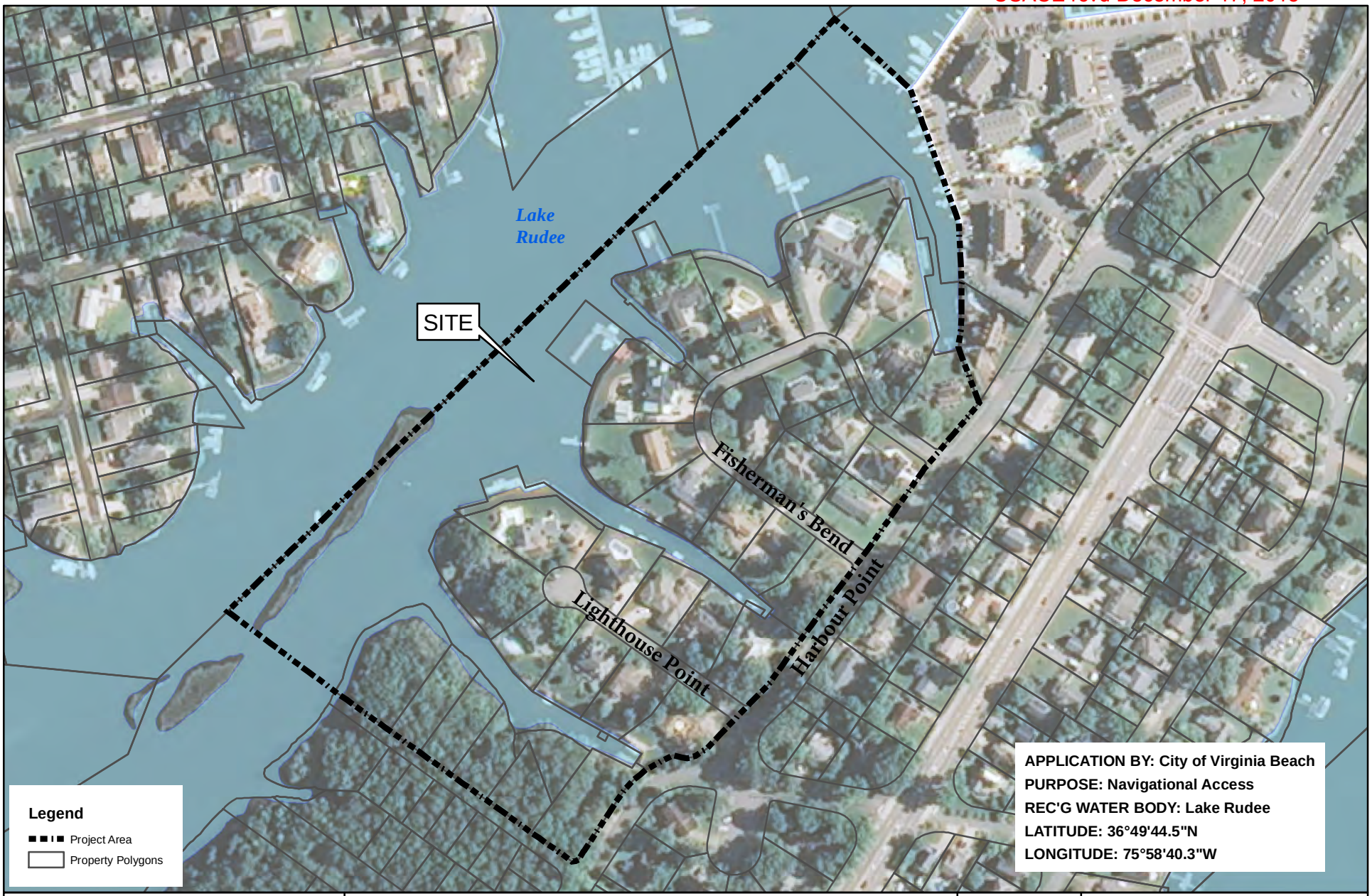
0 275 550 1,100 1,650

Feet

Date: 4/14/2015

SHEET 1 OF 13

USACE rcvd December 17, 2015



Kerr Environmental Services Corp. & L&M

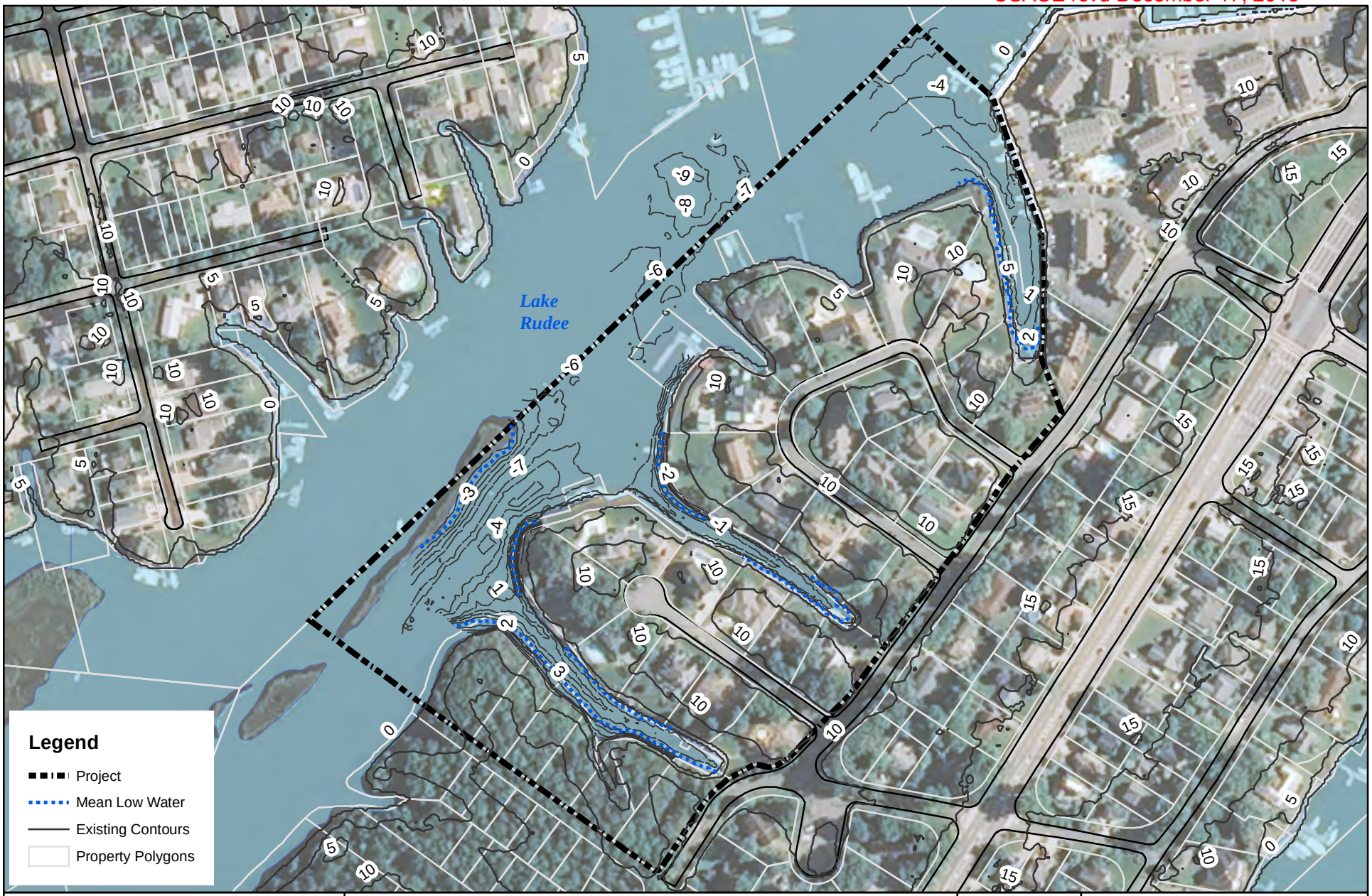
JOINT PERMIT APPLICATION DRAWINGS
PROJECT AREA MAP
HARBOUR POINT SSD NEIGHBORHOOD DREDGING
VIRGINIA BEACH, VIRGINIA

1 inch = 250 feet
0 70 140 280 420
Feet

Date: 4/14/2015

SHEET 2 OF 13

USACE rcvd December 17, 2015



Kerr Environmental Services Corp.
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L&M
Langley & McDonald, Inc.
Engineering • Planning • Surveying

JOINT PERMIT APPLICATION DRAWINGS
EXISTING CONDITIONS
HARBOUR POINT SSD NEIGHBORHOOD DREDGING
VIRGINIA BEACH, VIRGINIA

1 inch = 250 feet
0 70 140 280 420
Feet

Date:
4/14/2015

SHEET
3 OF 13

USACE rcvd December 17, 2015

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JOINT PERMIT APPLICATION DRAWINGS

0 250
SCALE 1"= 250

HARBOUR POINT
NEIGHBORHOOD DREDGING

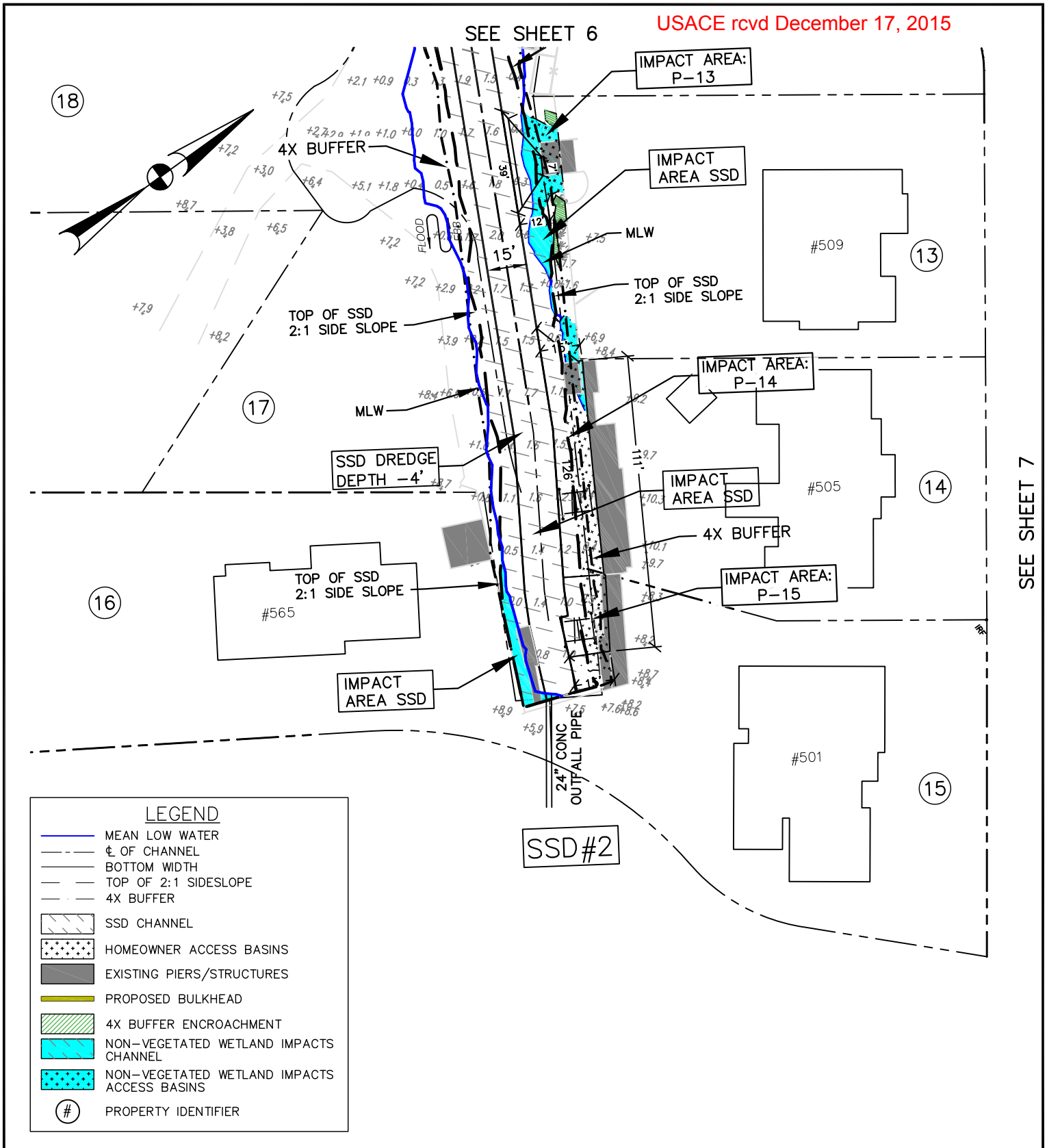
VIRGINIA BEACH, VIRGINIA

DATUM: MLW = 0.0

DATE: 12/01/15

SHEET: 4 OF 13

USACE rcvd December 17, 2015



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JOINT PERMIT APPLICATION DRAWINGS

25' 0 50'

SCALE 1"= 50'

HARBOUR POINT
NEIGHBORHOOD DREDGING

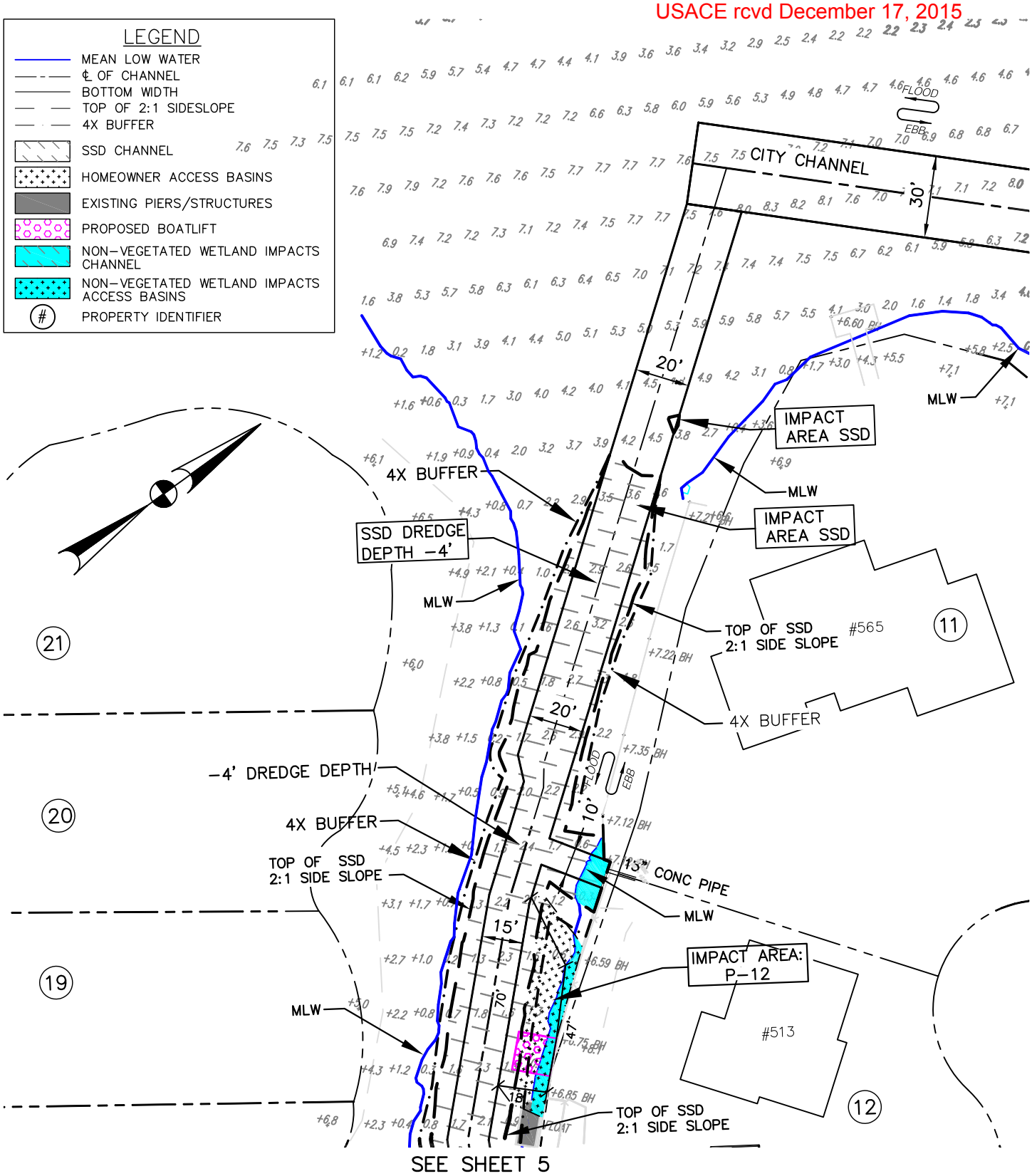
VIRGINIA BEACH, VIRGINIA

DATUM: MLW = 0.0

DATE: 12/01/15

SHEET: 5 OF 13

USACE rcvd December 17, 2015



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JOINT PERMIT APPLICATION DRAWINGS

25' 0 50'

SCALE 1"= 50'

HARBOUR POINT
NEIGHBORHOOD DREDGING

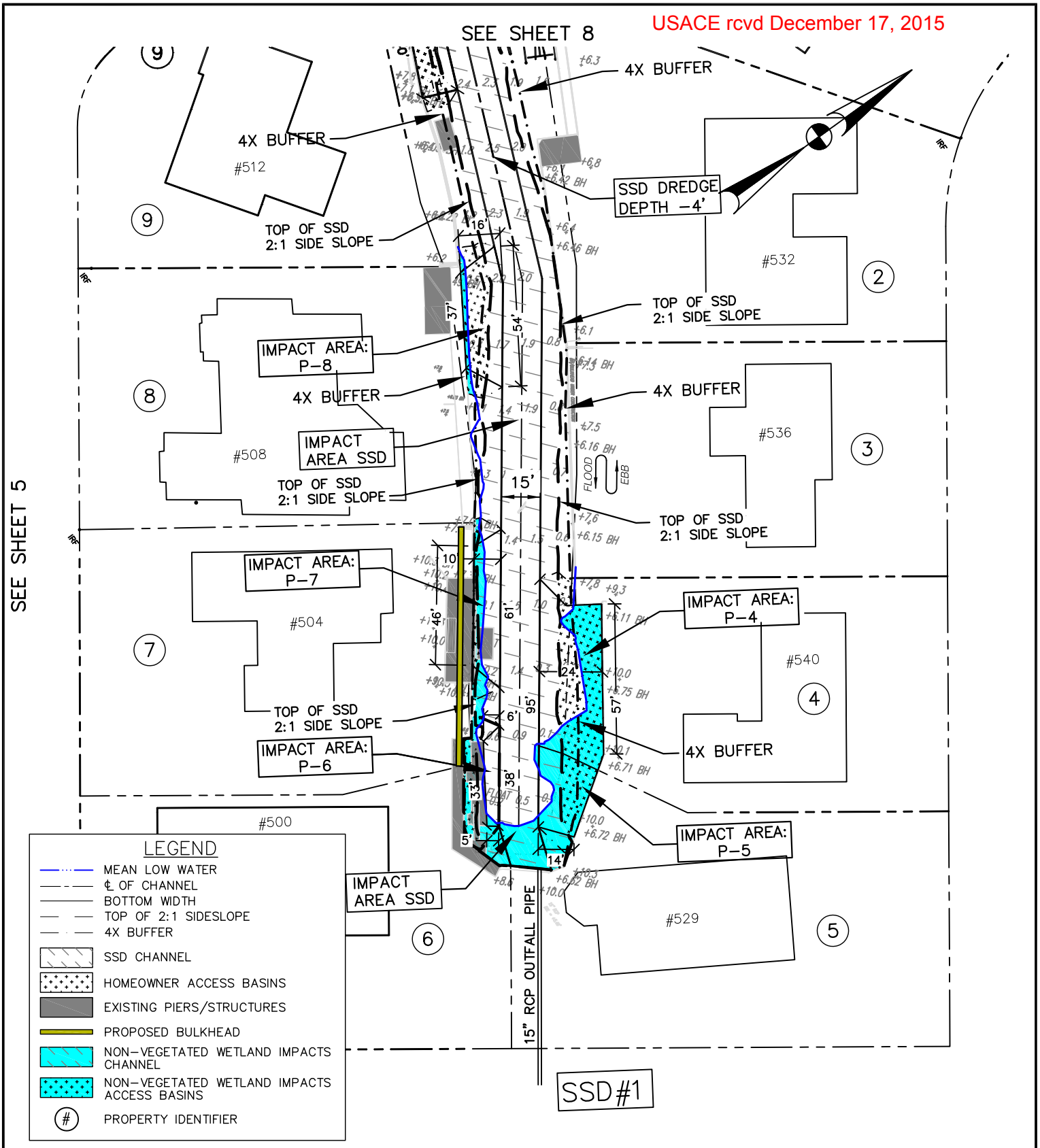
VIRGINIA BEACH, VIRGINIA

DATUM: MLW = 0.0

DATE: 12/01/15

SHEET: 6 OF 13

USACE rcvd December 17, 2015



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JOINT PERMIT APPLICATION DRAWINGS

25' 0 50'

SCALE 1"= 50'

HARBOUR POINT NEIGHBORHOOD DREDGING

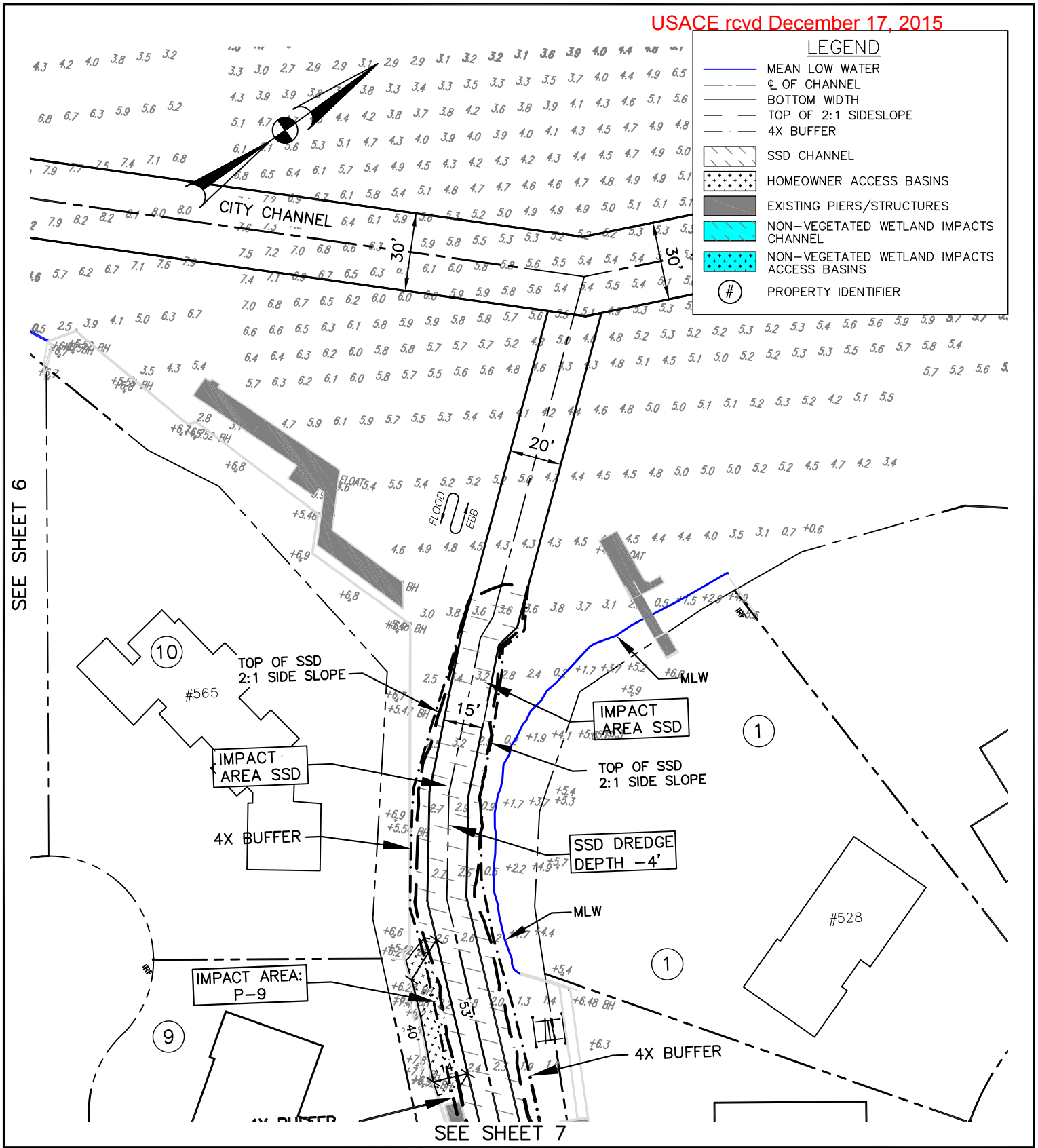
VIRGINIA BEACH, VIRGINIA

DATUM: MLW = 0.0

DATE: 12/01/15

SHEET: 7 OF 13

USACE rcvd December 17, 2015



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JOINT PERMIT APPLICATION DRAWINGS

25' 0 50'

SCALE 1"= 50'

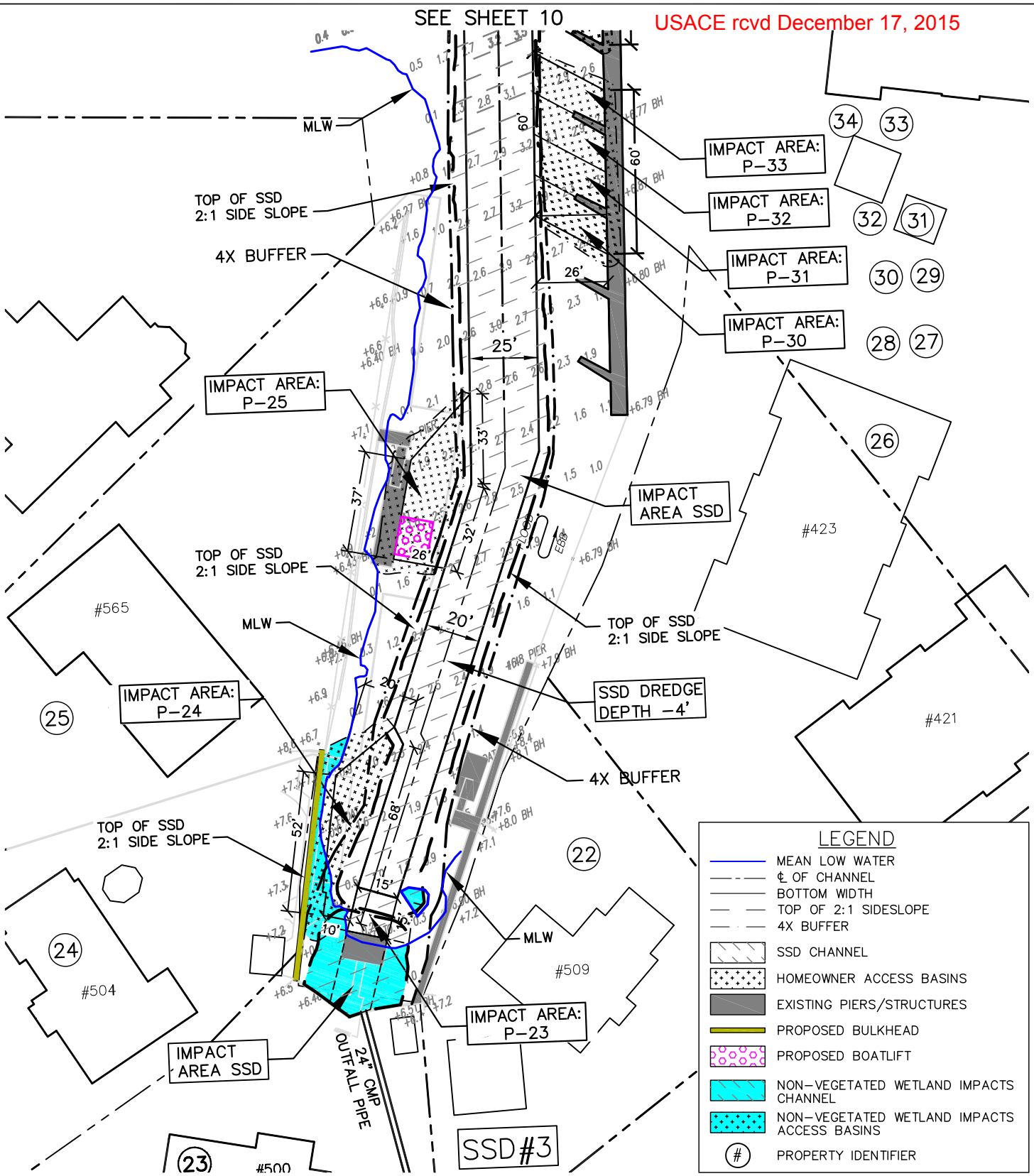
HARBOUR POINT
NEIGHBORHOOD DREDGING

VIRGINIA BEACH, VIRGINIA

DATUM: MLW = 0.0

DATE: 12/01/15

SHEET: 8 OF 13



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JOINT PERMIT APPLICATION DRAWINGS

25' 0 50'
SCALE 1"= 50'

HARBOUR POINT
NEIGHBORHOOD DREDGING

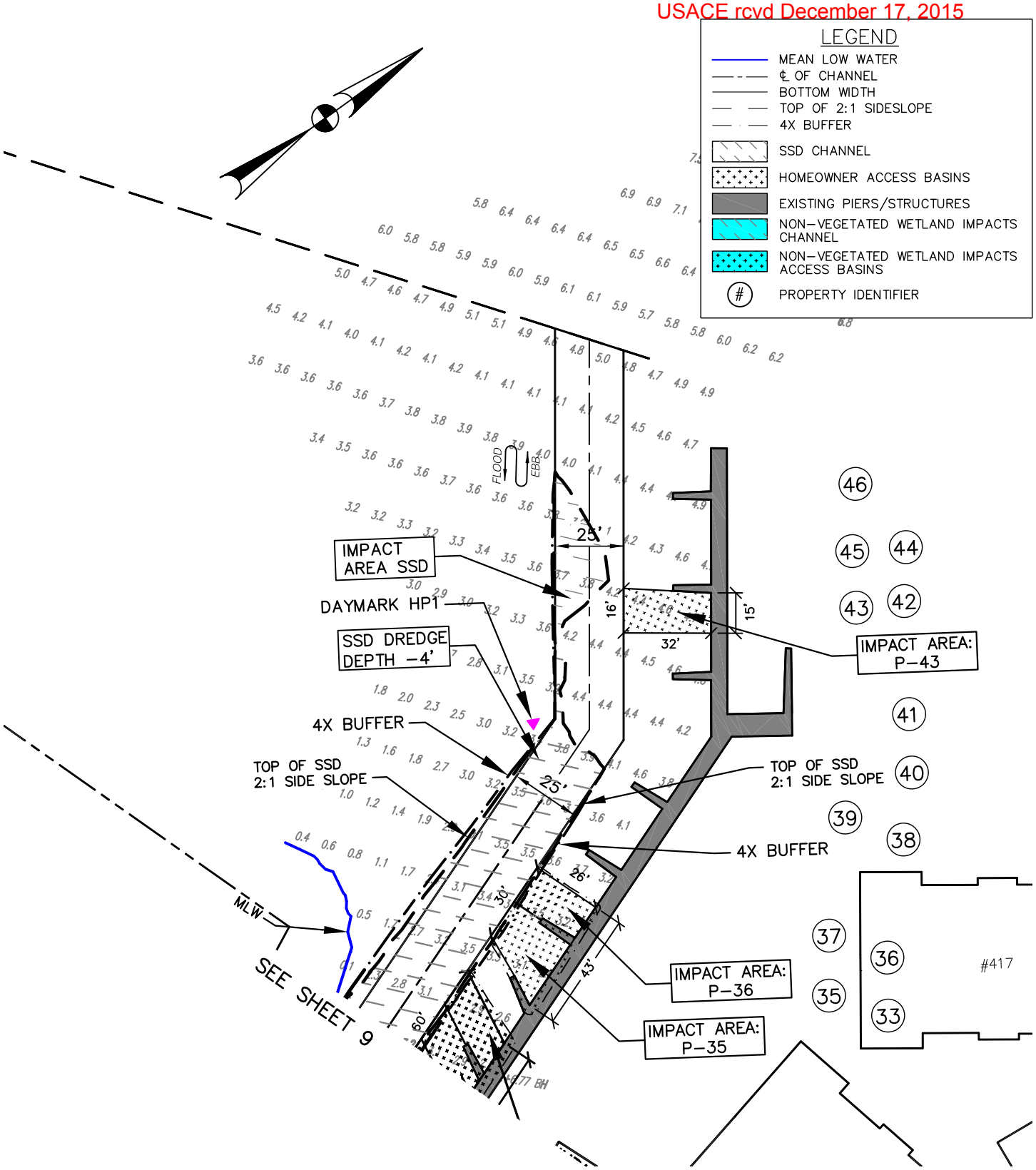
VIRGINIA BEACH, VIRGINIA

DATUM: MLW = 0.0

DATE: 12/01/15

SHEET: 9 OF 13

USACE rcvd December 17, 2015



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JOINT PERMIT APPLICATION DRAWINGS

25' 0 50'

SCALE 1"= 50'

HARBOUR POINT
NEIGHBORHOOD DREDGING

VIRGINIA BEACH, VIRGINIA

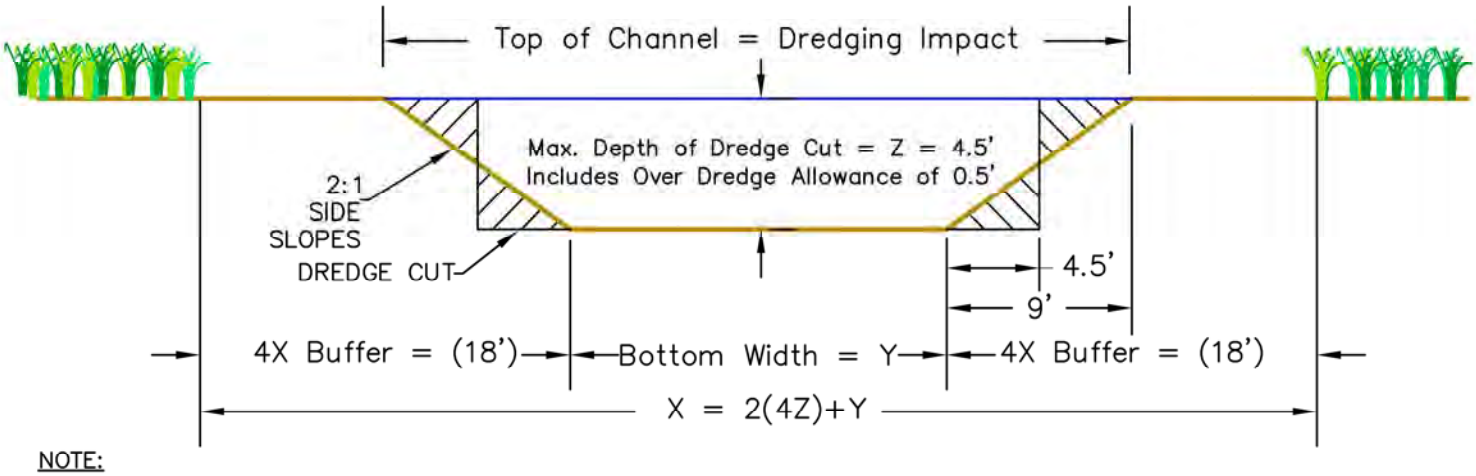
DATUM: MLW = 0.0

DATE: 12/01/15

SHEET: 10 OF 13

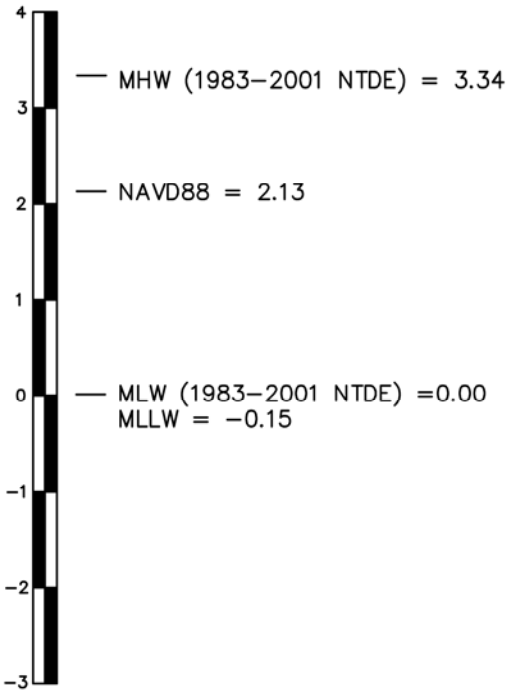
USACE rcvd December 17, 2015

TYPICAL DREDGE SECTION
(WITH MAXIMUM BUFFER WIDTH)



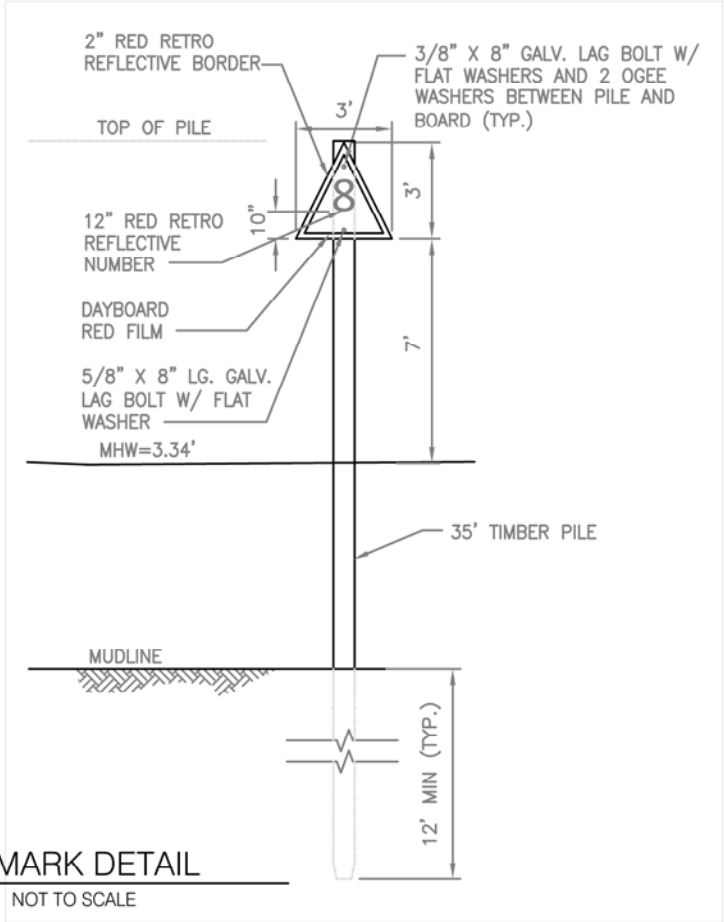
NOTE:
"4X BUFFER" IS FOUR TIMES THE DREDGE CUT DEPTH.

TYPICAL CROSS SECTION (NTS)



ELEVATIONS/SOUNDINGS ARE IN FEET
NTDE = NATIONAL TIDAL DATUM EPOC

DATUM DIAGRAM
NOT TO SCALE



DAYMARK DETAIL
NOT TO SCALE

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JOINT PERMIT APPLICATION DRAWINGS	SCALE: N/A	
HARBOUR POINT SSD NEIGHBORHOOD DREDGING VIRGINIA BEACH, VIRGINIA	DATUM: MLW = 0.0	
	DATE: 04/14/15	SHEET: 11 OF 13

20150119_Harbour Point Owners.dwg