RETURN TO SER AR INDEX

From: Sneeringer, Paul J NAE
To: "Chet Myers"; Jay Borkland
Subject: FW: South Terminal Project in New Bedford - Updated Drainage Swale Drawings (UNCLASSIFIED)
Date: Tuesday, July 31, 2012 11:15:00 AM
Attachments: X-5.2-CROSS SECTION-X-5.2.pdf
P-5.3-P-5.5_SWALE_MITIGATION-P-5.3.pdf
P-5.3-P-5.5_SWALE_MITIGATION-P-5.4.pdf
P-5.3-P-5.5_SWALE_MITIGATION-P-5.5.pdf

Classification: UNCLASSIFIED
Caveats: NONE

Chet and Jay:

After taking a few seconds to review the REVISED Drainage Swale Drawings, I have a number of substantial questions about what you are trying to achieve with this REVISED design.

Based upon a review of a couple of the overview maps, it appears that you are seriously curtailing the salt marsh creation/restoration aspect of this work. If this project is suppose to provide compensatory mitigation for the wetland impacts associated with the South Terminal Project, there doesn't appear to be an appropriate size of mitigation at this site only. If this work is not meant to provide compensatory mitigation, why is this work being proposed at all.

During our site investigation of the South Terminal project site last Tuesday, the EPA team noticed an 8-10 foot wide Spartina alterniflora marsh extending along long sections of the western bank of this drainage swale/tidal tributary. This existing marsh does not appear to be documented on any of your REVISED plan drawings. Would this salt marsh bench be impacted as part of the REVISED construction work? If so, these salt marsh impacts should be calculated, avoided if possible, and mitigated if unavoidable. With this issue in mind, I ask you again should this work be simply dropped.

Feel free to call me if you have any questions about this information provided in this e-mail. I would like to discuss these issues with you before forwarding this plan set to the Corps reviewers and the EPA review team. Thanks.

Paul Sneeringer
(978) 505-9216 (cell)
(978) 318-8491 (W)

-----Original Message-----
From: Chet Myers [mailto:cmyers@apexcos.com]
Sent: Tuesday, July 31, 2012 10:36 AM
To: Sneeringer, Paul J NAE
Cc: Jay Borkland
Subject: Updated Drainage Swale Drawings

Hi Paul,

Attached please find updated Stormwater Drainage Swale Mitigation Area drawings. This redesign was intended to eliminate net fill in the drainage swale.

We would like to discuss this updated design with USACE at a meeting in the near future.

SDMS Doc ID 526356

Please distribute to USACE personnel, and if there are additional questions and/or comments that we can address before the meeting, so much the better.

Thanks!

Chet

<http://www.apexcos.com/>

Chet Myers

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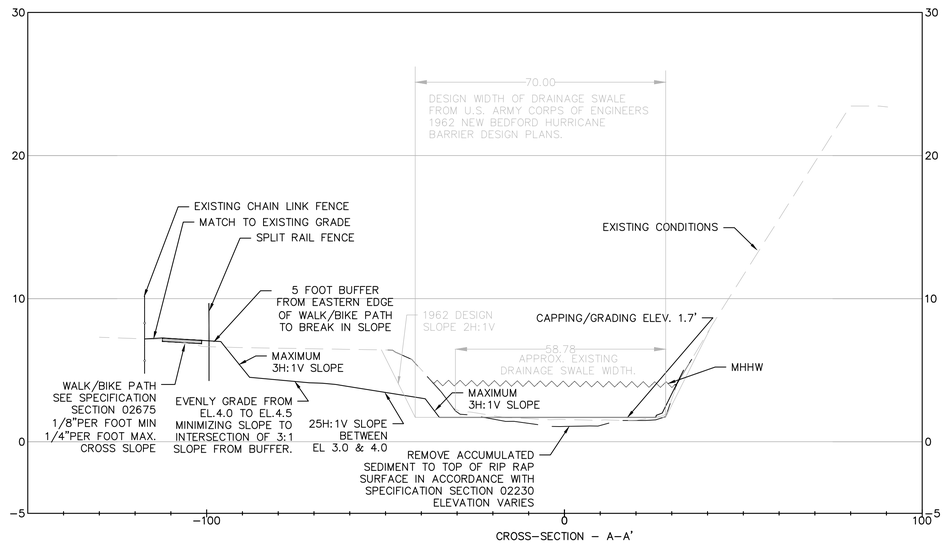
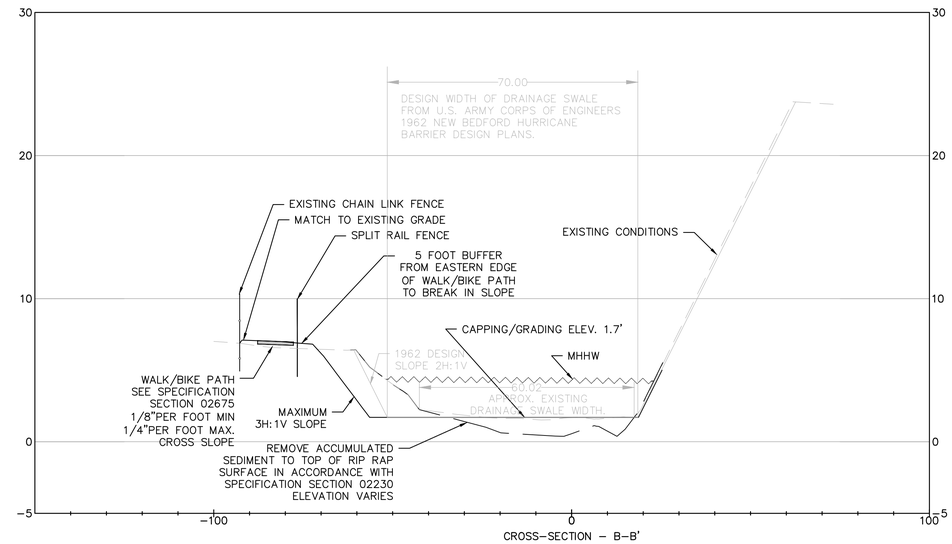
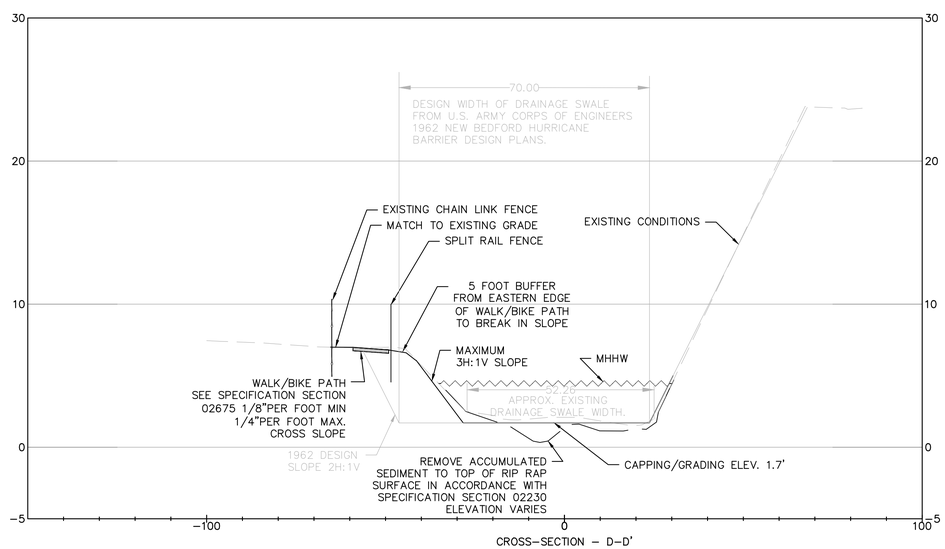
Classification: UNCLASSIFIED
Caveats: NONE



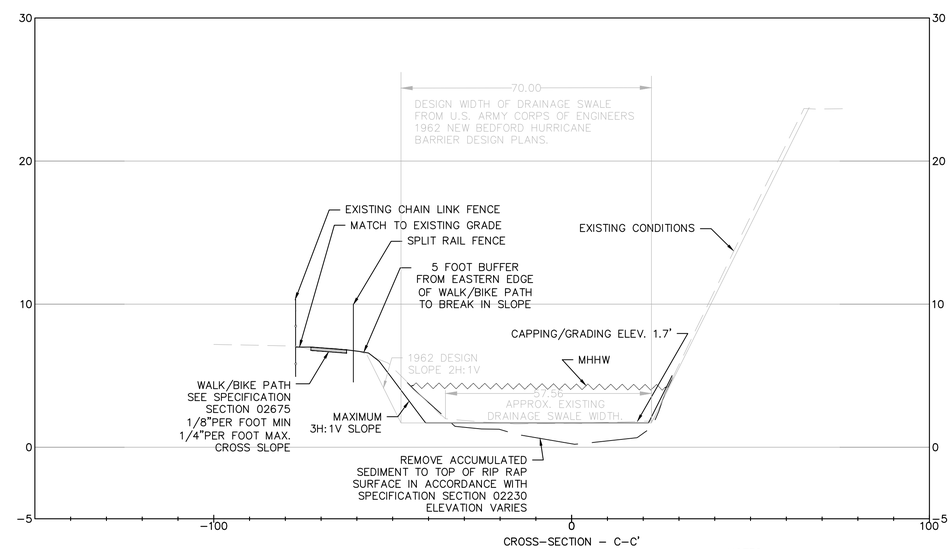
CROSS−SECTION − A−A'



CROSS−SECTION − B−B'



CROSS−SECTION − D−D'



CROSS−SECTION − C−C'

NOTES:

1. CROSS−SECTIONS SHOWN ARE FOR THE STORMWATER DRAINAGE SWALE MITIGATION AREA.
2. FOR LOCATIONS OF STORMWATER DRAINAGE SWALE MITIGATION AREA CROSS−SECTION, SEE DRAWINGS P−5.3 AND P−5.4.

APEX

ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA - NEW BEDFORD, MA - HOLYOKE, MA

184 HIGH STREET, SUITE 502
BOSTON, MA 02210

58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

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PROJECT

NEW BEDFORD MARINE COMMERCE TERMINAL

OWNER

MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MASSACHUSETTS

NO.	DATE	DESCRIPTION	BY
3.	6−29−12	USACE COMMENTS	GCD
2.	3−29−12	MINOR MODIFICATIONS	CWM
1.	12−23−11	FOR CONSTRUCTION	CHM

PROJECT NO.	6690
CADD FILE	X-5.2-CROSS SECTION
DESIGNED BY	GCD
DRAWN BY	GCD
CHECKED BY	CHM
DATE	08/04/2011
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE

STORMWATER DRAINAGE SWALE MITIGATION AREA CROSS-SECTIONS

DRAWING NO.

X-5.2

P:\Jobs\6690 NBH_ Phase IV\PLANS\FINAL_PLANS\100% Submittal\X-5.2-CROSS SECTION.dwg

NOTE:

1. CROSS SECTION FOR STORM WATER DRAINAGE SWALE ARE DEPICTED ON SHEET X-5.2
2. MHW AS NOTED ON THIS PLAN IS EQUAL TO +3.89' MLLW

Y=2686897.6
X=816392.9

LIMIT OF WORK

PROPOSED DREDGE ELEVATION CONTOUR ELEVATION

PROPOSED SUB-GRADE ELEVATION CONTOUR

EXCAVATION SPOILS TO BE STOCKPILED FOR CHARACTERIZATION AND OFFSITE DISPOSAL.

PROPOSED SUB-GRADE CONTOURS BELOW MHW ARE APPROXIMATE. DREDGE SEDIMENT BELOW MHW TO RIP-RAP/ROCK SURFACE OR OTHERWISE COMPETENT MATERIAL. DO NOT REMOVE OR DISTURB RIP-RAP/ROCK FROM BOTTOM OF DRAINAGE SWALE OR FROM EASTERN SIDE. SEE SPECIFICATION SECTION 02230

APPROXIMATE RIP RAP SURFACE CONTOUR AS DETERMINED BY PROBING - ELEVATION VARIES

REMOVE EXISTING RIP-RAP ON WESTERN SIDE OF DRAINAGE SWALE AND DISPOSE OFFSITE OR CRUSH AND REUSE IN ACCORDANCE WITH SECTION 02200 EARTHWORK

CUT AND CAP ABANDONED FIRE INTAKE IF ENCOUNTERED IN EXCAVATION

CATCH BASIN TO BE REPLACED OR RETROFITTED WITH HOODED CATCH BASIN

ON SOUTH SIDE ONLY: REMOVE SEDIMENT TO EXISTING VEGETATION LINE

Y=2685966.8
X=816627.4

LAYOUT KEY

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NO.	DATE	DESCRIPTION	BY

PROJECT NO.	6690
CADD FILE	P-5.3-P-5.5_SWALE_MITIGATION
DESIGNED BY	GCD
DRAWN BY	GCD
CHECKED BY	CHM
DATE	08/04/2011
DRAWING SCALE	1"=50'

GRAPHIC SCALE

SCALE: 1"=50'

0 25 50 75 125 FEET

SHEET TITLE

STORMWATER DRAINAGE SWALE MITIGATION AREA DREDGE AND RE-GRADING PLAN

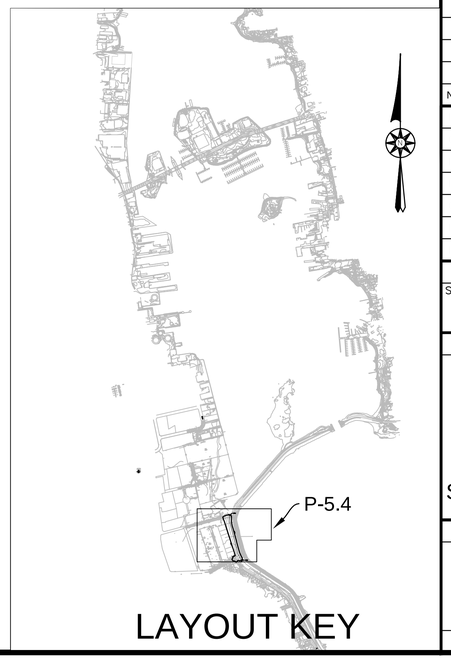
DRAWING NO.

P-5.3

P:\Jobs\6690 NBH_ Phase IV\PLANS\FINAL_PLANS\100% Submittal\P-5.3-P-5.5_SWALE_MITIGATION.dwg

NOTE:

1. CROSS SECTION FOR STORM WATER DRAINAGE SWALE ARE DEPICTED ON SHEET X-5.2.
2. TOP OF MANHOLE COVER BE SET AT PROPOSED GRADE.



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PROJECT NO.	6690
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DESIGNED BY	GCD
DRAWN BY	GCD
CHECKED BY	CHM
DATE	08/04/2011
DRAWING SCALE	1"=50'

GRAPHIC SCALE

SCALE: 1"=50'

0 25 50 75 125 FEET

SHEET TITLE

STORMWATER DRAINAGE SWALE MITIGATION AREA CAPPING/ STABILIZATION PLAN

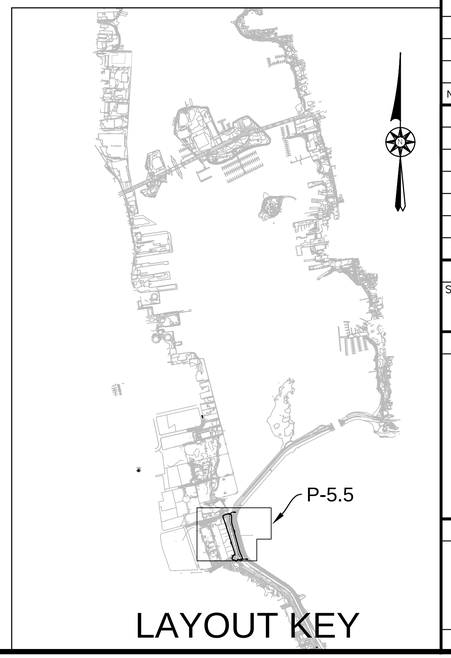
DRAWING NO.

P-5.4

P:\Jobs\6690 NBH_ Phase IV\PLANS\FINAL_PLANS\100% Submittal\P-5.3-P-5.5_SWALE_MITIGATION.dwg

PLANTING SCHEDULE

LOCATION	SPECIES NAME	COMMON NAME	FREQUENCY	NOTES
LOW MARSH	SPARTINA ALTERNAFLORA	SALTMARSH CORDGRASS	1' OC	PLUGS
HIGHMARSH	HIBISCUS MOSCHUETOS	CRIMSONEYED ROSEMALLOW	2' OC	PLUGS
	SPARTINA PATENS	SALTMARSH HAY	2' OC	PLUGS
	SOLIDAGO SEMPERVIRENS	SEASIDE GOLDENROD	2' OC	PLUGS
	IVA FRUTESCENS	HIGH TIDE BUSH	40' OC	BALLED & BURLAPPED
	MORELLA (MYRICA) PENSYLVANICA	BAYBERRY	40' OC	BALLED & BURLAPPED
MARSH BORDER	IVA FRUTESCENS	HIGH TIDE BUSH	40' OC	BALLED & BURLAPPED
	AMMOPHILA BREVIGULATA	AMERICAN BEACHGRASS	5' OC	PLUGS
	PANICUM VIRGATUM	SWITCHGRASS	–	BROADCAST SEEDED
	PRUNUS MARITIMA	BEACH PLUM	40' OC	BALLED & BURLAPPED



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DATE	08/04/2011
DRAWING SCALE	1"=50'

GRAPHIC SCALE
SCALE: 1"=50'
0 25 50 75 125 FEET

SHEET TITLE
STORMWATER DRAINAGE SWALE MITIGATION AREA PLANTING PLAN

DRAWING NO.
P-5.5

P:\Jobs\6690 NBH_ Phase IV\PLANS\FINAL_PLANS\100% Submittal\P-5.3-P-5.5_SWALE_MITIGATION.dwg