

N00213.AR.001427
NAS KEY WEST
5090.3a

LETTER SUBMITTING PROPOSED REVISIONS TO THE SHORELINE PROTECTION
SYSTEM NAS KEY WEST
2/4/1997
BECHTEL ENVIRONMENTAL

Bechtel

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FEB 4 1997

State of Florida
Department of Environmental Protection
Submerged Lands and Environmental Resources Program
Marathon Branch Office
2796 Overseas Highway, Suite 221
Marathon, Florida 330050-2200

Attn: Randy Grau

SUBJECT: Bechtel Job No. 22567
Department of the Navy Contract No. N62467-93-D-0936
DO 0004: SHORELINE PROTECTION SYSTEM, FLEMING KEY, NAS KEY WEST, FL;
FDEP PERMIT NO. 442959285; U. S. ARMY COE PERMIT NO. 199604865 (IP-EJ)
Subject Code: 5090

Dear Mr. Grau:

Enclosed is a proposed revision to Monroe County - ERP File No. 442959285 wetlands permit. The revision is to the "Typical Armorflex Cross Section" that was included in the permit application as Attachment 6a. The front slope of the berm has been changed from a combination of 2h:1v and 2.5h:1v to a continuous slope of 3h:1v. This is necessary because, it was determined that the factor of safety of the steeper slope was not adequate under critical design wave loadings.

Several options were investigated to raise the factor of safety to an acceptable level. Reduction of slope angle was selected as the best option because it measurably improves overall stability of the system, whereas other alternatives were inconclusive, at best. We believe the slope change does not affect wetlands.

The construction will start at the same point on the waterward side of the berm; therefore, the area of wetlands impacted is not changed by virtue of this revision; nor will there be any impact to seagrass. The floating turbidity barrier will be installed as shown in the permit application. Construction above the water line will cover a wider area than previously shown, and we will remove more exotic species; i.e., Australian Pines, than previously indicated. The planting of sea purslane and red mangroves remains the same.

The change in slope does affect the cross sections included in Attachment 8 of the permit application. The primary change to these drawings is that the top of the berm and the back slope shift about ten feet inland. Since changes to these cross sections are minor, a revised Attachment 8 is not included with this letter.

These changes have been coordinated with Mr. Ed Barham, and we understand that FDEP will issue the revisions by letter. A copy of this letter is also being sent to the U. S. Army Corps of Engineers.

RECEIVED
FEB 03 1997
D.E.P. Marathon

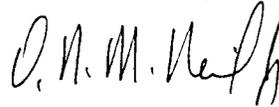


Bechtel Environmental, Inc.

Randy Grau
Page 2

We regret the lateness of this change, but request that you respond as early as possible, as we are trying to schedule field mobilization in early February to avoid incurring additional cost to the Navy. If you have any questions, please feel free to call me at (423) 220-2745 or Roy Hoekstra at (423) 220-2271.

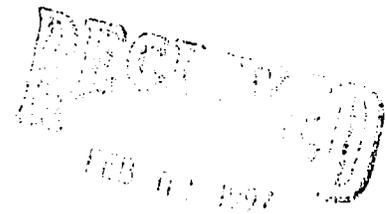
Sincerely,



O. N. McNeil, Jr.
Project Manager

ONM:rcs:LR1072
Enclosures: As stated

cc: D. Patrick (SOUTHDIV) w/att
M. Ewing (ROICC) w/att
P. Williams (NASKW) w/att
Ed Barham (FDEP) w/att
Gordan Romeis (FDEP) w/att
Margaret Diaz (USCOE) w/att
Estevan Jimenez (USCOE) w/att
Vic Anderson (USCOE) w/att



D.E.P. Marathon, FL

DESIGNER'S PROJECT NO
0953

DRAWN BY
M.S.

ISSUE DATE
01/31/97

DPR

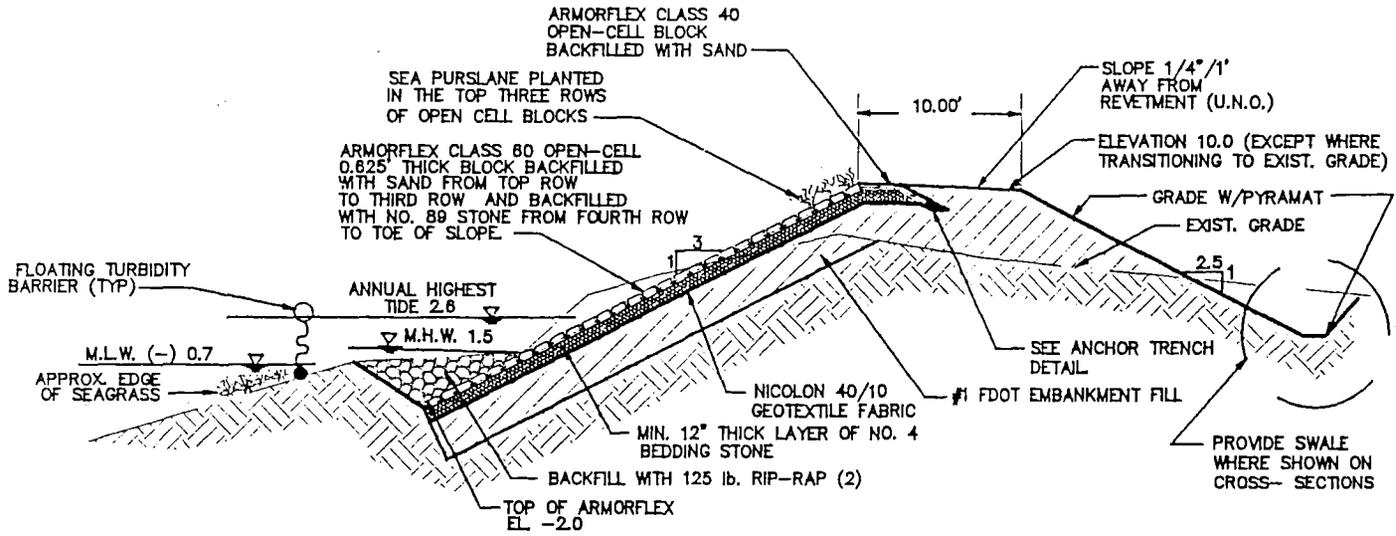
DELOON HAMPTON & ASSOCIATES
600 WEST PEACHTREE ST. N.W.
SUITE 1170
ATLANTA, GA 30308
TEL (404)872-5011 FAX (404)872-5981

DRAWING TITLE
TYPICAL ARMORFLEX CROSS SECTION

KEY WEST NAVAL STATION

SHEET NO.
60

ATTACHMENT



- NOTE :
1. ALL ELEVATIONS ARE BASED UPON NGVD.
 2. STA. 15+00 TO STA. 18+00 BACKFILL WITH RIP RAP AND SAND. PLANT RED MANGROVES 3' O.C. 3 ROWS.
 3. ALL DISTURBED AREAS NOT COVERED BY OTHER EROSION CONTROL FEATURES TO BE GRASSED
 4. FLOATING TURBIDITY BARRIER TO BE STAKED AT THE LAND WARD LIMITS OF THE SEA GRASS OR TEN FEET WATERWARD OF THE TOE TRENCH EXCAVATION LIMIT.

REVISED
2/7/97 CB

TYPICAL ARMORFLEX CROSS SECTION

N.T.S.

Handwritten notes and stamps:
DPR
2/7/97
[Signature]



