

MEMORANDUM

TO: Programs, Projects and Operations Subcommittee

FROM: Dick Sklenar, Project Manager

SUBJECT: Repairs to Ramp at West Maple Public Access Site/Elkhorn River

DATE: October 3, 2006

Within weeks after the completion of the public access site on the Elkhorn River at West Maple Road, it was discovered that the end of the boat ramp jutting out into the Elkhorn River became undermined by the current. The District's consultant for this project (BCDM) was notified of the situation and asked to provide a remedy.

The contractor for the construction of the site, Dostal Construction Inc., constructed everything according to the plans and specifications provided to them. It is felt by the District's staff that the design of the ramp did not take into account the full dynamics of the river.

Over the past couple of months BCDM has devised a plan to remedy the situation at the West Maple site. This was done also in consultation with the principal contractor (Dostal Construction, Inc.)

BCDM is proposing that the boat ramp be altered so as not to protrude as much into the river channel. A part of the ramp will be regraded and steepened and additional sheet pile will be added to strengthen the immediate area.

The attached letter from BCDM indicates that repair costs are estimated at \$22,490. They are suggesting that BCDM and the District share the cost of such repairs (\$6,300.00 BCDM & \$16,190.00 NRD). The reasons for this proposal are indicated in their attached letter.

It is recommended that the Subcommittee recommend to the Board of Directors that Management be authorized to retain Dostal Construction, Inc., to repair the project, according to the repair plans proposed by BCDM, for the firm price of \$22,490; and, that Management be authorized to accept from BCDM a contribution in the amount of \$ 11,245.00 as BCDM's share of the cost of the repairs, provided that BCDM also agrees to provide, at no cost to the District, all engineering and observation services needed to effect such repairs.



Beringer Ciaccio Dennell Mabrey

4 October 2006

Mr. Dick Sklenar
Papio-Missouri River NRD
8901 South 154th Street
Omaha, Nebraska 68138

RE: Elkhorn River Public Access Highway 64
BCDM Project No. 4045-00

Dear Dick:

As a result of our discussion regarding the erosion of the lower section of the boat ramp, we have studied various options to remedy the issue. It is our recommendation that the boat ramp be modified as follows:

1. Rework ramp grade to meet water elevation at the face of the lower existing sheet pile wall.
2. Install new vinyl sheet pile wall on north side of ramp as a return face to the existing wall to accommodate change in ramp slope.
3. Install new steel sheet pile at base of ramp along river's edge to provide additional stability.

We have prepared a plan for the above modifications. Dostals Construction, Inc., the contractor on this project, has provided a proposal to complete the above work at a total cost of \$22,490.00 (see attached).

The original design constructed was based upon similar projects such as the P-MRNRD Platte River Highway 64 Landing. This was a simplified, lower cost solution which has performed well for nearly fourteen years. We have also utilized this same design with success for the National Park Service. Given this track record, it was our goal to provide the District with an economical yet durable, lower maintenance solution for this project.

After observing the erosion that occurred, it was evident that additional stabilization would be required. We feel this proposed option provides the appropriate level of stabilization and usability.

We would like to offer the P-MRNRD our participation in a portion of this cost. Specifically, we are willing to pay for 100% of the cost of re-work of the ramp (\$2,600.00) and 50% of the additional vinyl sheet pile wall (\$3,700.00). We believe this is equitable since these costs were a result of the necessary re-work. The other costs we believe are added value the P-MRNRD would have realized should this design been utilized initially.

We are prepared to discuss this solution with the District at their October 10th Committee Meeting.

Sincerely,

David J. Ciaccio
Beringer Ciaccio Dennell Mabrey

DJC/mms
Enclosure

c: File 4045-00, 3.0

architecture
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www.bcdm.net

Phone (402) 391-2211
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Dostals Construction Company Inc.

13680 South 220th Street, Gretna, NE 68028

Office/Fax Phone: (402) 332-4537

Mobile Phones:

(402) 690-9468 (Jim)

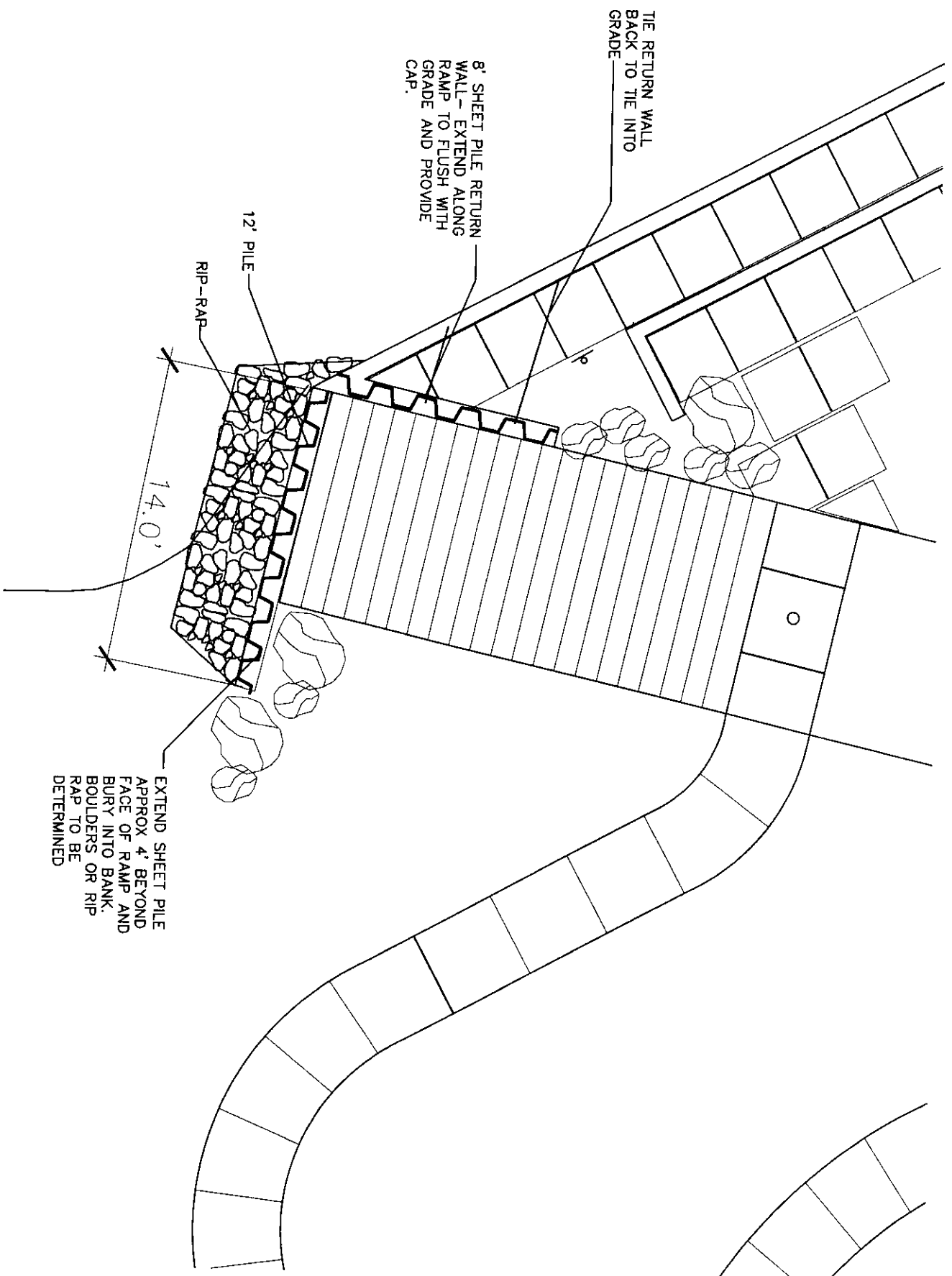
(402) 670-8506 (Bodie)

To: Tom Bentley
From: Bodie Dostal
Date: September 29, 2006
Re: Elkhorn River Public Access

BID PROPOSAL

Description of Professional Service:

Remove and reset ramps w/cables	\$ 2,600
Return wall w/ vinyl sheet pile landing	\$ 7,400
Steel sheet pile ramp face w/ rip rap	\$ 12,490



TIE RETURN WALL
BACK TO TIE INTO
GRADE

8' SHEET PILE RETURN
WALL - EXTEND ALONG
RAMP TO FLUSH WITH
GRADE AND PROVIDE
CAP.

12' PILE

RIP-RAP

14.0'

EXTEND SHEET PILE
APPROX 4' BEYOND
FACE OF RAMP AND
BURY INTO BANK.
BOULDERS OR RIP
RAP TO BE
DETERMINED

