

MEMORANDUM

TO: Programs, Projects and Operations Subcommittee

FROM: Martin P. Cleveland, Construction Engineer

SUBJECT: Papillion Creek Bank Stabilization Project Bids (Project 529K)

DATE: March 31, 2011

Attached are location maps and a typical cross-section for the referenced creek bank stabilization project. The work consists of placing rock riprap along the creek bank of Big Papillion and West Branch Papillion at 4 locations in Omaha, and Bellevue, NE. The work includes the furnishing of the labor, materials, equipment, tools and incidentals necessary to install approximately 8,400 tons of rock riprap bank protection along approximately 2,860 linear feet of creek bank. The contract provides for 50 working days to complete the project.

A bid summary is attached for your consideration. The apparent low bidder is Midwest Dumpers, Inc. with a bid as follows:

SITE	EST. TONS	UNIT PRICE	TOTAL COST
A	1,600	\$34.60	\$55,360
B	2,000	\$34.90	\$69,800
C	1,800	\$34.95	\$62,910
D	3,000	\$34.75	\$104,250
TOTAL	8,400	\$NA	\$292,320

Based on the estimated total riprap quantity of 8,400 tons the total project cost (total base bid) would be \$292,320. The Engineer's estimate for total project cost is \$300,000.

This work will be funded via funds included in Project Maintenance General Contract Work (Account 0103591 4479). As of February 28, 2011 remaining funds in this account was \$424,912.80. It is anticipated that this project will be partially completed in Fiscal Year 2011.

- **It is Management's recommendation that the Subcommittee recommend to the Board of Directors that the General Manager be authorized to execute a contract for rock riprap bank stabilization work at four (4) sites on the Papillion Creek System with Midwest Dumpers, Inc., for their total base bid of \$292,320.**

Summary of Bid Proposals

Project: Papillion Creek Bank Stabilization Project NRD Project No. 529K
 Opening Date: March 31, 2011 Opening Time: 2:00 p.m.

Bidder Name:	1	2	3	4	5	6	7
	Midwest Dumpers	Valley Corp.	Nelson & Rock				

1. Site A – Riprap (1,600 Tons) Unit Price Bid (\$/Ton)	\$34.60	\$40.26	\$49.65				
2. Site B (2,000Tons) (\$ /Ton)	\$34.90	\$41.39	\$54.65				
3. Site C - Riprap (1,800 Tons) Unit Price Bid (\$/Ton)	\$34.95	\$41.43	\$55.05				
4. Site D – Riprap (3,000 Tons) Unit Price Bid (\$/Ton)	\$34.75	\$40.20	\$48.45				
5. Total Base Bid (1 thru 4) for 8,400 tons (\$)	\$292,320	\$342,370	\$433,180				

Bid Bond (5%)	Yes/No	Yes	Yes	Yes			
Rock Supplier		Ft. Calhoun Stone	Martin Marietta	Ft. Calhoun Stone			

*Apparent Low Bidder is Midwest Dumpers Inc.

Engineer's Estimate: \$300,000

RIPRAP SOIL INFILL
BORROW SITE
FOR SITE "A"

149th ST.

560'

EROSION AREA
LENGTH = 400 FEET

S. 148th ST

"D" ST.

"F" ST.

144th ST.

Legal Description:
SW ¼ of SEC. 35, T15N, R11E
Douglas County, NE



PAPIO-MISSOURI RIVER
NATURAL
RESOURCES
DISTRICT



8901 S. 154th St.
Omaha, NE 68138-3621

TITLE	
WEST BRANCH PAPILLION CREEK BANK STABILIZATION PROJECT 144th TO 149th ST. Location Map SITE A	
NO SCALE	Figure 1
Date: 2/15/11	

NOTE: RIPRAP SOIL INFILL
BORROW AREA FOR SITE "B"
IS ON FIGURE #5

EROSION AREA
LENGTH = 500 FEET

WEST BRANCH PAPIO CREEK

QUAIL CREEK



EDGERTON DR

36th ST.

Legal Description:
NE 1/4 of SEC. 32, T14N, R13E
Sarpy County, NE



8901 S. 154th St.
Omaha, NE 68138-3621

TITLE

WEST BRANCH PAPIO CREEK
BANK STABILIZATION PROJECT
36th ST TO 42nd ST.
Location Map
AREA B

NO SCALE

Date: 2/16/11

Figure 2

NOTE: RIPRAP SOIL INFILL
BORROW AREA FOR SITE "C"
IS ON FIGURE #5

WEST BRANCH PAPIO CREEK

48th ST

225'

EROSION AREA
LENGTH = 450 FEET



Legal Description:
SW 1/4 of SEC. 29, T14N, R13E
Sarpy County, NE



PAPIO-MISSOURI RIVER



NATURAL
RESOURCES
DISTRICT

8901 S. 154th St.
Omaha, NE 68138-3621

TITLE

WEST BRANCH PAPIO CREEK
BANK STABILIZATION PROJECT
42nd TO 48th ST.
Location Map
AREA C

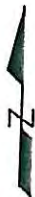
NO SCALE

Figure 3

Date: 2/16/11



Legal Description:
E ½ of SEC. 20, T15N, R12E
Douglas County, NE



8901 S. 154th St.
Omaha, NE 68138-3621

TITLE

BIG PAPILLION CREEK
BANK STABILIZATION PROJECT
I-680 TO DODGE STREET
Location Map
SITE D

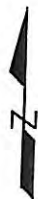
NO SCALE

Figure 4

Date: 2/15/11



Legal Description:
SE ¼ of SEC. 25, T14N, R12E
Sarpy County, NE



8901 S. 154th St.
Omaha, NE 68138-3621

TITLE

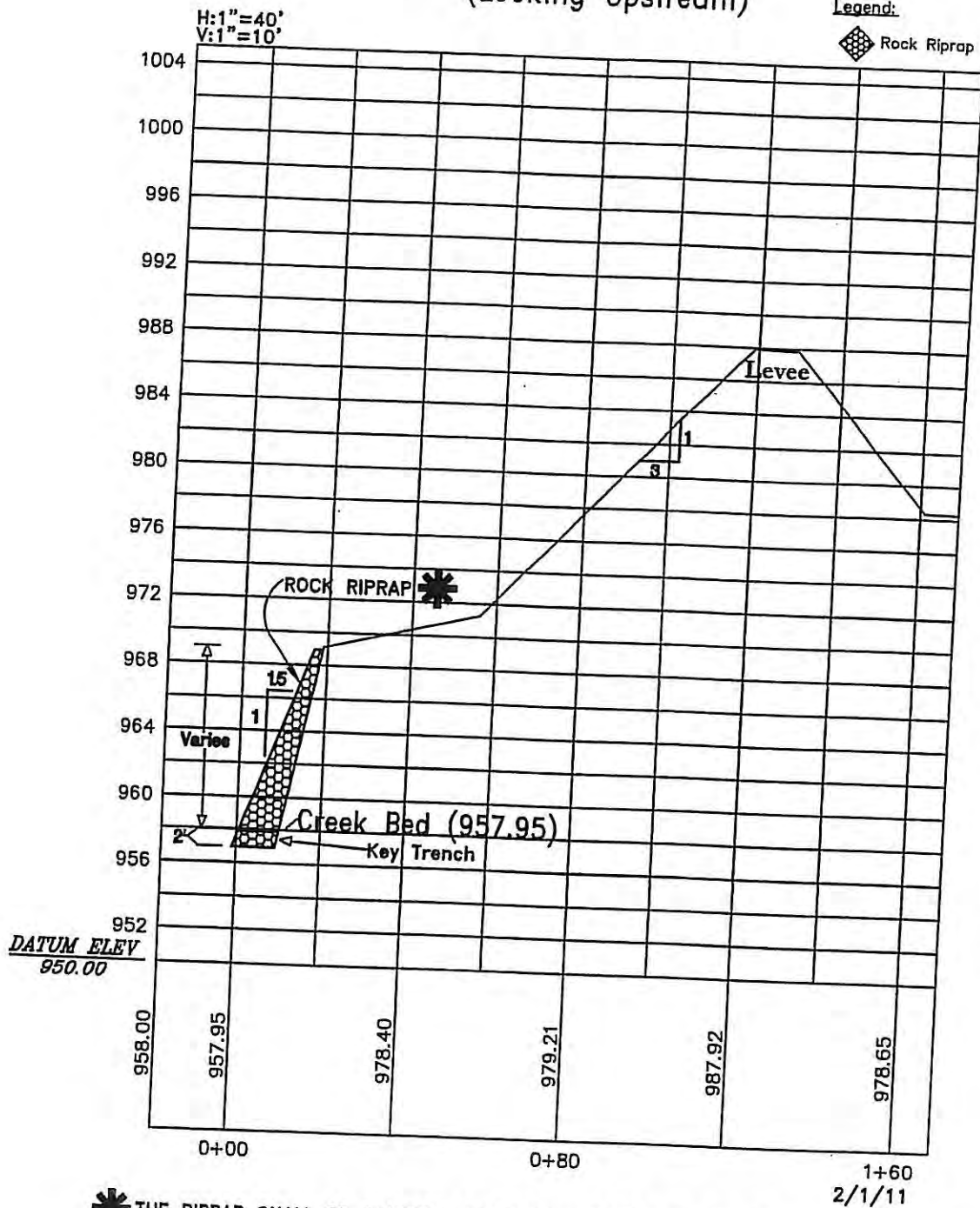
WEST BRANCH PAPIO CREEK
BANK STABILIZATION PROJECT
66TH ST, South of ASHWOOD AVE
Borrow Site Location Map

NO SCALE

Figure # 5

Date: 2/22/2011

PAPILLION CREEK BANK STABILIZATION PROJECT Typical Cross-Section Full Height Protection (Looking Upstream)



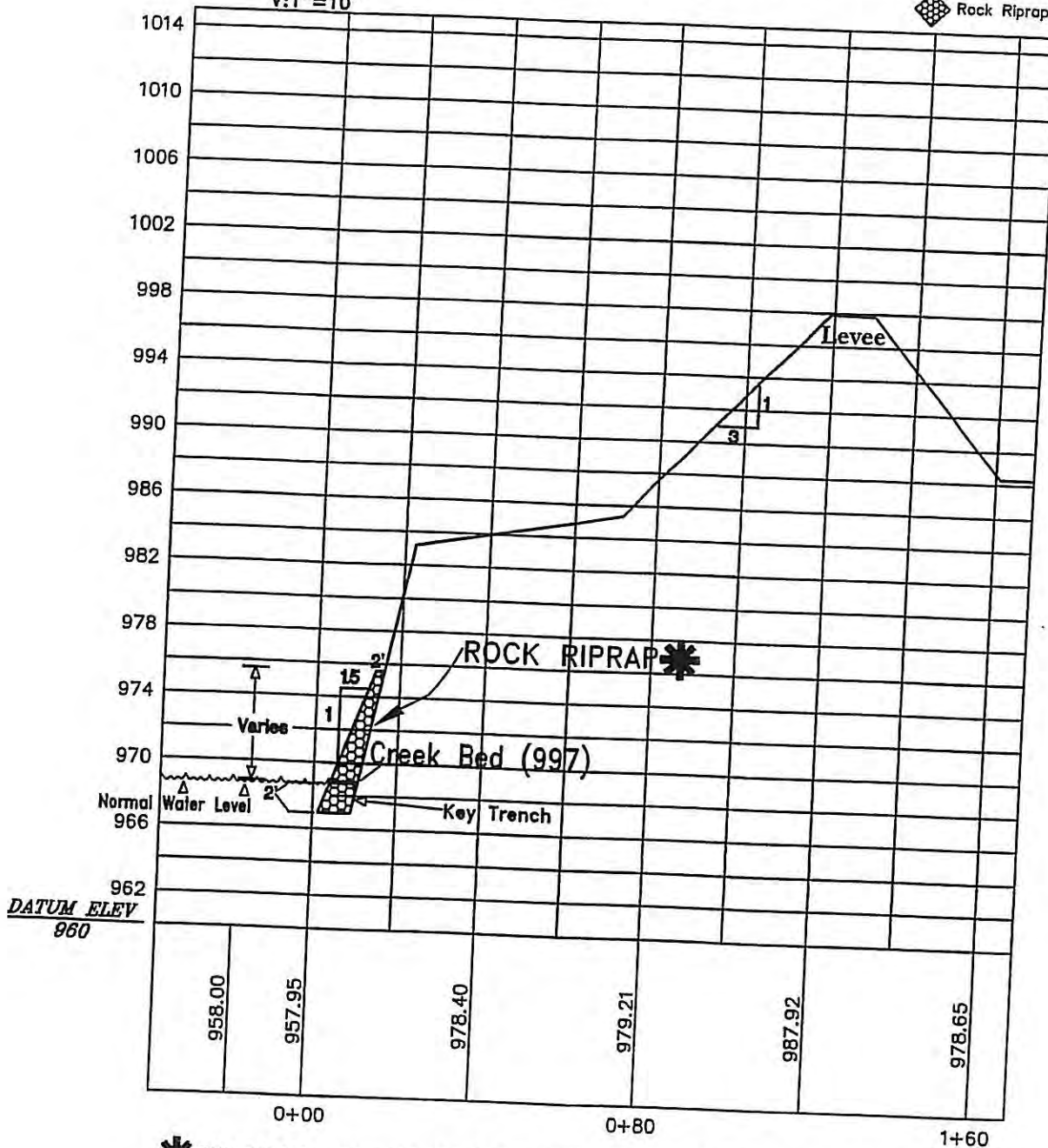
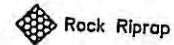
BANK STABILIZATION PROJECT

Typical Cross-Section

Partial Height Protection (Looking Upstream)

H:1"=40'
V:1"=10'

Legend:



✱ THE RIPRAP SHALL BE COVERED, FROM THE TOP OF THE STRUCTURE DOWN TO THE ANNUAL ORDINARY HIGH WATER LINE, WITH A MINIMUM OF 6 INCHES OF SOIL COMPACTED INTO THE VOIDS OF THE RIPRAP, & IMMEDIATELY SEEDED WITH AN ANNUAL COVER CROP / NATIVE GRASS SPECIES.

2/1/11