

## MEMORANDUM

TO: Programs, Projects and Operations Subcommittee

FROM: Martin P. Cleveland, Construction Engineer

SUBJECT: West Branch Channel Bank Stabilization Project Bids

DATE: July 2, 2018

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The West Branch Channel Bank Stabilization Project is located in Sarpy County, Nebraska, southeast of 108<sup>th</sup> and Giles Road, as shown on the enclosed location maps. Also, enclosed are project photos. The project consists of installing rock rip-rap at five locations along 1305 linear feet of channel bank that has eroded.

On June 26, 2018, the District opened bids for the West Branch Channel Bank Stabilization Project and received six bids ranging from \$563,805.00 to \$366,894.00. The apparent low bid of \$366,894.00 was submitted by High Plains Enterprises, Inc. from Martell, NE. Enclosed is a bid summary. Since this contractor has not previously done work for the District, references were checked and his work was said to be satisfactory by general contractors he worked for on grading and highway projects. The Engineer's cost estimate, prepared by District staff for the West Branch Channel Bank Stabilization Project was \$387,045.00.

**Management recommends that the Programs, Projects and Operations Subcommittee recommend to the Board of Directors that the General Manager be authorized to execute a contract with High Plains Enterprises, Inc. in an amount of \$366,894.00 for the construction of the West Branch Channel Bank Stabilization Project, subject to changes deemed necessary by the General Manager and approval as to form by District Legal Counsel.**

**WEST BRANCH CHANNEL BANK STABILIZATION PROJECT - BID SUMMARY**

**NRD PROJECT NO. 530-2018**

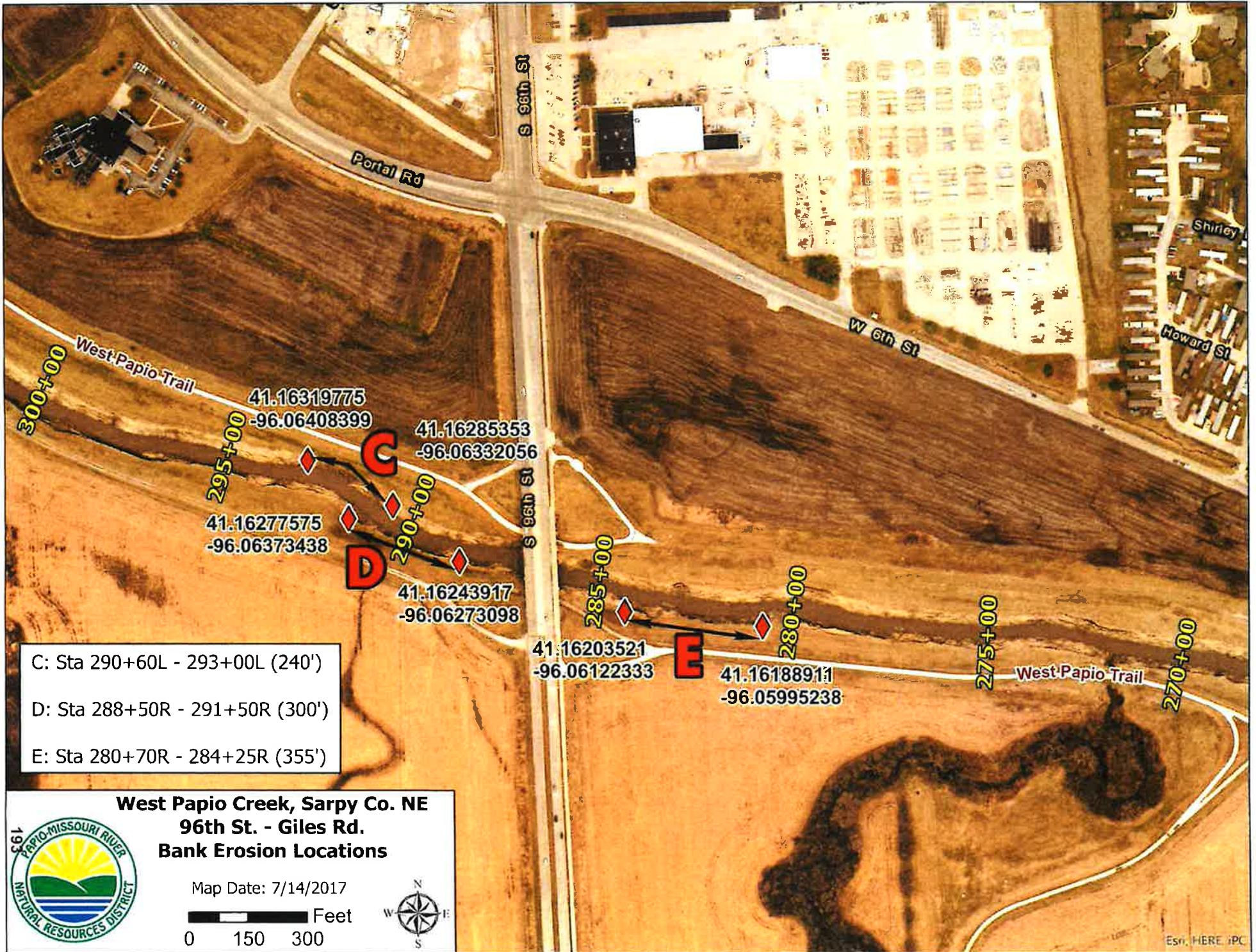
**BID OPENING: 2:00 P.M. - JUNE 26, 2018**

Item No.	Site	BIDDERS NAME:		Niewohner Construction, Inc.		High Plains Enterprises, Inc.		Valley Corporation		Bayshore Contractors		Hendrickson Transportation, LLC		Neuvirth Construction		ENGINEERS ESTIMATE	
		Description	Weight	Unit Cost (\$/ton)	Total Cost	Unit Cost (\$/ton)	Total Cost	Unit Cost (\$/ton)	Total Cost	Unit Cost (\$/ton)	Total Cost	Unit Cost (\$/ton)	Total Cost	Unit Cost (\$/ton)	Total Cost	Unit Cost (\$/ton)	Total Cost
1	A	Rock Riprap	800	\$ 53.50	\$ 42,800.00	\$ 54.00	\$ 43,200.00	\$ 68.23	\$ 54,584.00	\$ 65.00	\$ 52,000.00	\$ 83.00	\$ 66,400.00	\$ 68.00	\$ 54,400.00	\$55.00	\$ 44,000.00
2	B	Rock Riprap	1250	\$ 53.50	\$ 66,875.00	\$ 54.00	\$ 67,500.00	\$ 67.57	\$ 84,462.50	\$ 65.00	\$ 81,250.00	\$ 83.00	\$ 103,750.00	\$ 68.00	\$ 85,000.00	\$55.00	\$ 68,750.00
3	C	Rock Riprap	1200	\$ 53.50	\$ 64,200.00	\$ 54.00	\$ 64,800.00	\$ 67.64	\$ 81,168.00	\$ 65.00	\$ 78,000.00	\$ 83.00	\$ 99,600.00	\$ 68.00	\$ 81,600.00	\$55.00	\$ 66,000.00
4	D	Rock Riprap	1500	\$ 53.50	\$ 80,250.00	\$ 54.00	\$ 81,000.00	\$ 67.64	\$ 101,460.00	\$ 65.00	\$ 97,500.00	\$ 83.00	\$ 124,500.00	\$ 68.00	\$ 102,000.00	\$55.00	\$ 82,500.00
5	E	Rock Riprap	1775	\$ 53.50	\$ 94,962.50	\$ 54.00	\$ 95,850.00	\$ 66.86	\$ 118,676.50	\$ 65.00	\$ 115,375.00	\$ 83.00	\$ 147,325.00	\$ 68.00	\$ 120,700.00	\$55.00	\$ 97,625.00
6		Subtotal (1 thru 5)	6525	x	\$ 349,087.50	x	\$ 352,350.00	x	\$ 440,351.00	x	\$ 424,125.00	x	\$ 541,575.00	x	\$ 443,700.00	x	\$ 358,875.00
7	A thru E	Soil Infill *	870	\$ 25.00	\$ 21,750.00	\$ 12.00	\$ 10,440.00	\$ 10.79	\$ 9,387.30	\$ 18.00	\$ 15,660.00	\$ 15.00	\$ 13,050.00	\$ 29.00	\$ 25,230.00	\$15.00	\$ 13,050.00
8		TOTAL (6+7)		x	\$ 370,837.50	x	\$ 362,790.00	x	\$ 449,738.30	x	\$ 439,785.00	x	\$ 554,625.00	x	\$ 468,930.00	x	\$ 371,925.00
9	Alternate	Rock-filled Trenches	108	\$ 90.00	\$ 9,720.00	\$ 38.00	\$ 4,104.00	\$ 73.64	\$ 7,953.12	\$ 7.00	\$ 756.00	\$ 85.00	\$ 9,180.00	\$ 69.00	\$ 7,452.00	\$140.00	\$ 15,120.00
10		TOTAL (8+9)			\$ 380,557.50		\$366,894.00 **		\$ 457,691.42		\$ 440,541.00		\$ 563,805.00		\$ 476,382.00		\$ 387,045.00
11		Bid Bond (Y or N)			Y		Y		Y		Y		Y		Y		
12		Addendum (Y or N)			N		N		N		N		N		N		

\* Soil Infill is measured in cubic yards

\*\* Management Recommendation: High Plains Enterprises, Inc.



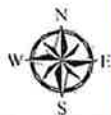
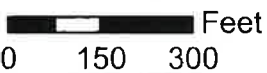


C: Sta 290+60L - 293+00L (240')  
 D: Sta 288+50R - 291+50R (300')  
 E: Sta 280+70R - 284+25R (355')

**West Papio Creek, Sarpy Co. NE**  
**96th St. - Giles Rd.**  
**Bank Erosion Locations**

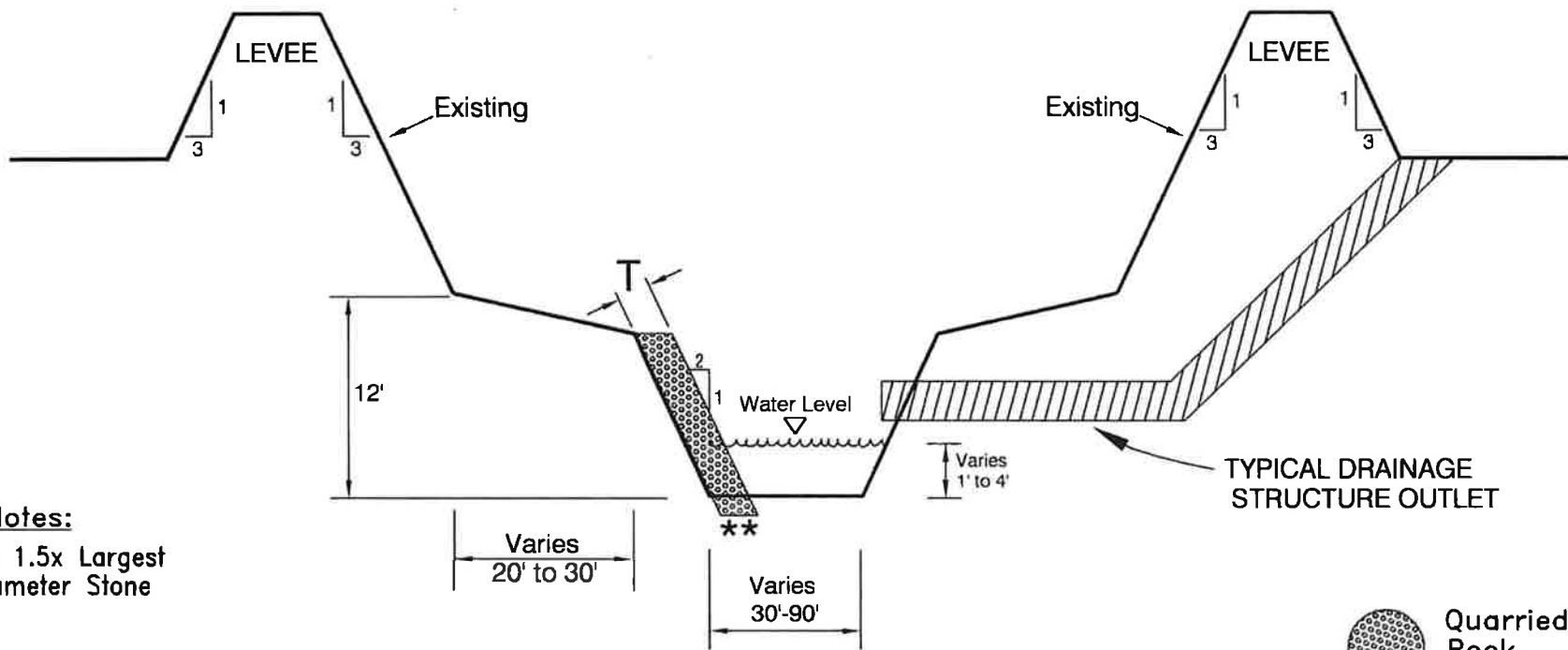


Map Date: 7/14/2017



# METHOD 1 - QUARRIED ROCK RIPRAP FULL-SLOPE PROTECTION

5/29/2018



**Notes:**

T= 1.5x Largest Diameter Stone

\* RIPRAP TO BE SOIL COVERED & SEEDED WITH UPLAND NATIVE GRASS VEGETATION

\*\* KEY RIPRAP AT LEAST 3' INTO STREAMBED



Not to Scale

West Branch Channel Bank Stabilization Project (90th Street  
to Giles Rd)

Site B: Station 330+50 to 333+00R

Looking Upstream at Eroded West Bank of Creek

Aug. 2017



West Branch Channel Bank Stabilization Project (90th to Giles Rd)

Site D: Station 288+50 to 291+50R

Looking Downstream at Eroded South Bank of Creek      Aug. 2017

96th Street

