

Agenda Item: 6.

MEMORANDUM

TO: Programs, Projects, and Operations Subcommittee

FROM: Eric Williams, Natural Resources Planner

SUBJECT: Bids Received for Hell Creek Grade Control Stabilization Construction

DATE: May 31, 2016

On May 25, 2016, bids were opened for the construction of the Hell Creek Grade Control Stabilization project. The project is located in Sarpy County, at the confluence of Hell Creek and West Papio Creek, to the north east of 108th & Giles Road. A copy of the bid tabulation is attached along with the recommendation letter from Felsburg, Holt & Ullevig (FHU) and project area maps.

The District acquired abandoned Union Pacific rail right-of-way for the purpose of constructing the West Papio Trail. During a site visit, it was determined that the sheet pile and concrete slab at the rail bridge crossing Hell Creek were destabilized and nearing total failure. Coordination with the cities of Omaha and La Vista led to an Interlocal Agreement for cost share on construction of a new slab and drop structure. This project will protect the District's future trail bridge, will prevent the potential for very significant erosion along Hell Creek, and will protect the sanitary sewer which is located just upstream of the bridge. Plans include a new concrete slab, stabilization of the abutments on both sides of the bridge, a two-step sheet pile drop structure, and reconstruction of a plunge pool as Hell Creek joins with the West Papio Creek.

Three bids were received and the range of bids was \$754,653.37 to \$941,607.50. The engineers estimate for the construction of this project is \$809,645.00. FHU has verified the unit prices in the bid, reviewed the work history for the contractor to confirm they are able to construct the project according to specifications. The work is anticipated to begin in late June with substantial completion expected by November 2016.

- **Management recommends that the Subcommittee recommend to the Board that the General Manager be authorized to execute a contract with Valley Corporation for construction of the Hell Creek Grade Control Stabilization Project for the bid amount of \$ 754,653.37, subject to changes deemed necessary by the General Manager and approval as to form by District Legal Counsel.**



FELSBURG
HOLT &
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connecting and enhancing communities

May 27, 2016

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

RE: Award Recommendation for Hell Creek Grade Control Stabilization (at Confluence with West Papillion Creek) Contract

Dear Mr. Williams:

We have reviewed the three bids submitted for Hell Creek Grade Control Stabilization (at Confluence with West Papillion Creek) and recommend awarding the contract to Valley Corporation in the amount of Seven Hundred Fifty-Four Thousand, Six Hundred Fifty-Three and 37/100 Dollars (\$754,653.37). This bid falls below the Engineer's Estimate of Eight Hundred Nine Thousand Six Hundred Forty-Five and xx/100 (\$809,645.00).

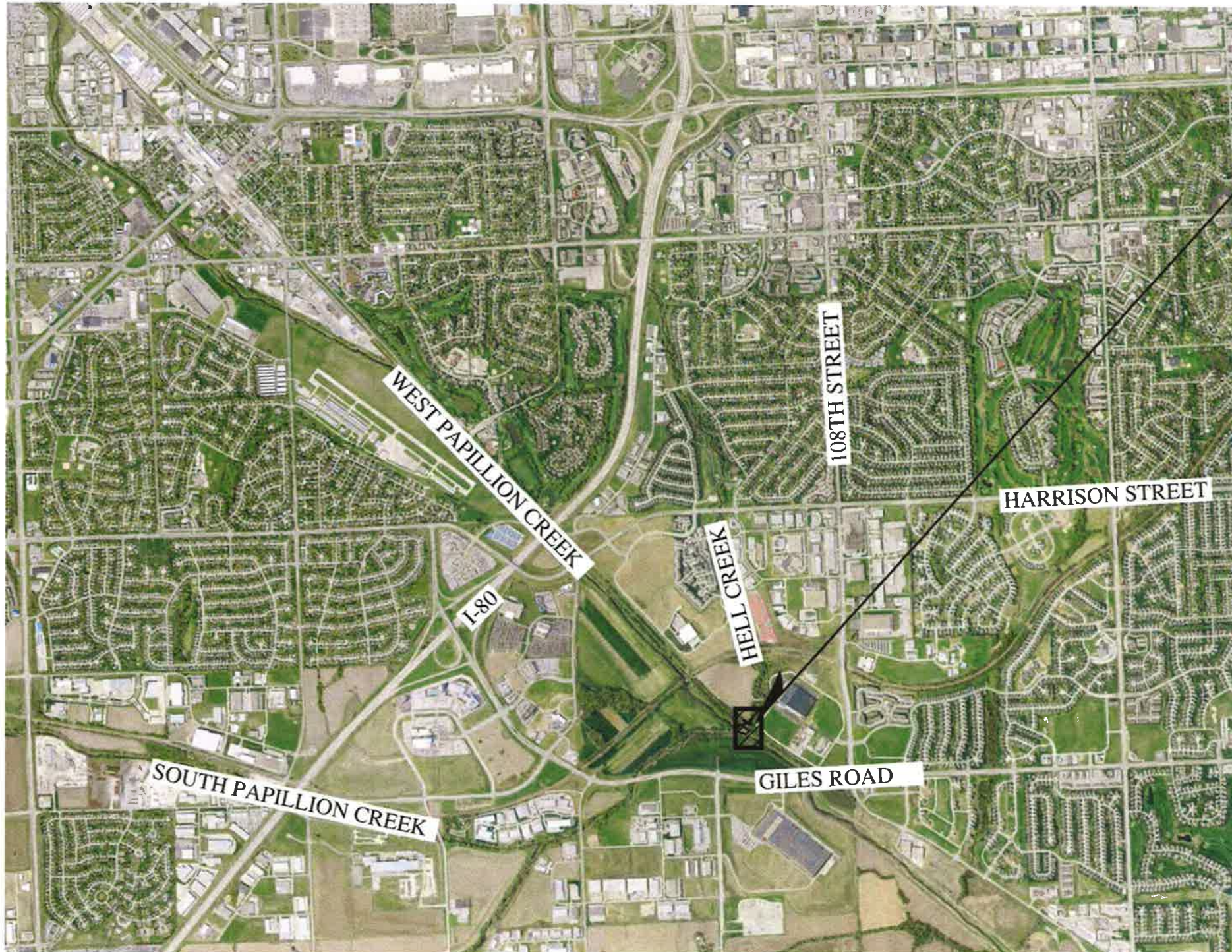
Bid tabulations are enclosed for reference. Please call if you have any questions.

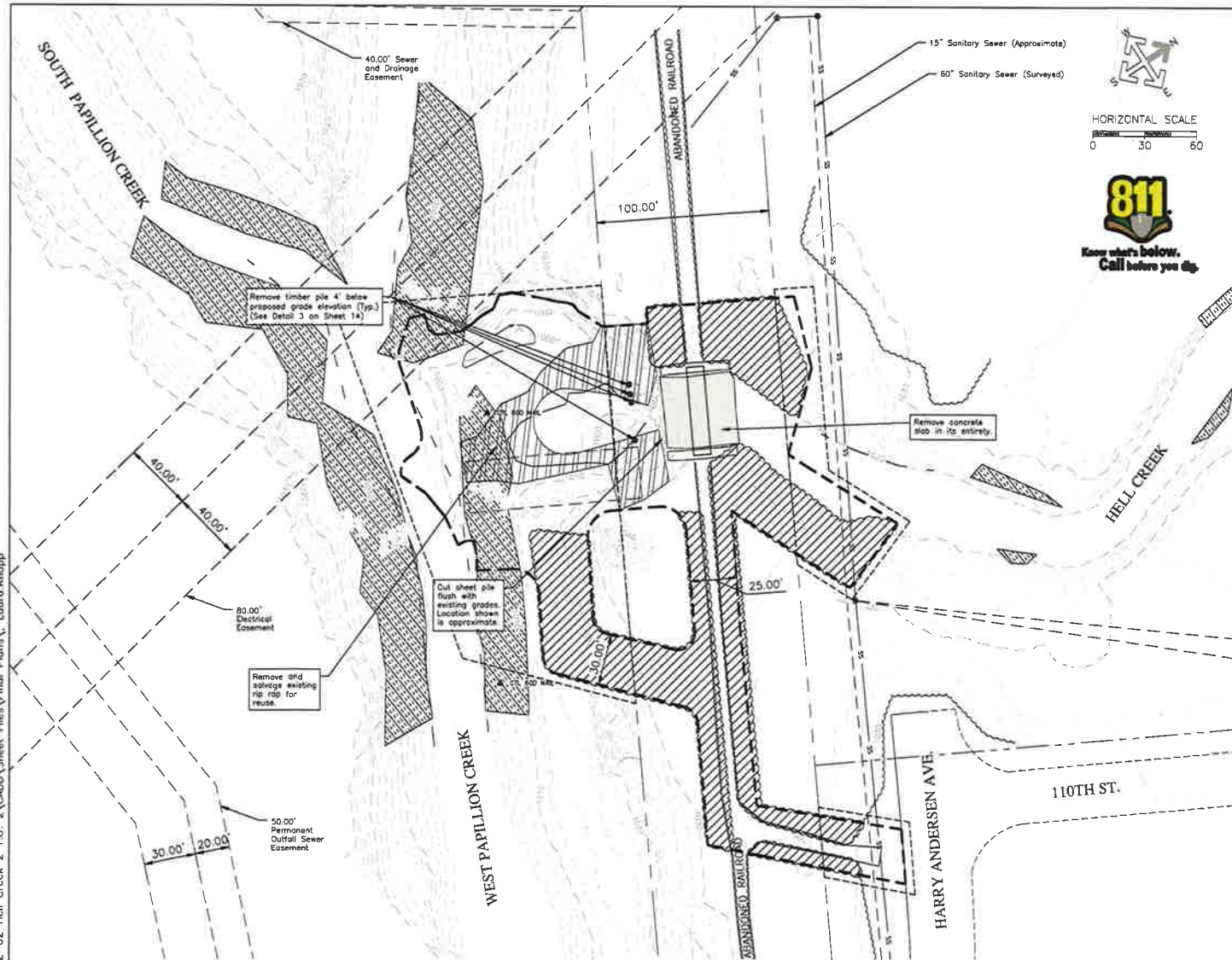
Sincerely,

Dave Lampe, PE, CFM
Senior Water Resources Engineer

Bid Tab
Hell Creek Grade Control Stabilization (At Confluence with West Papillion Creek) (NRD No. 591-20151229)
 Bid Opening: May 25, 2016 @ 2:00 pm @ Papio-Missouri River NRD
 Engineer's Estimate: \$799,490

CONTRACTOR BIDS											
Valley Corporation											
TCO Environmental											
Bay Shores Contractors											
Bid No.	Bid Item Description	Approximate Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1.	MOBILIZATION	1	LS	\$43,063.96	\$43,063.96	\$36,000.00	\$36,000.00	\$140,000.00	\$140,000.00		
2.	CLEARING AND GRUBBING - GENERAL	1	LS	\$28,520.19	\$28,520.19	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00		
3.	STRIP, STOCKPILE AND RESPREAD TOPSOIL (110 CY X 2)	220	SY	\$23.57	\$5,185.40	\$15.00	\$3,300.00	\$16.00	\$3,520.00		
4.	REMOVE AND SALVAGE EXISTING RIP RAP	1	LS	\$11,341.26	\$11,341.26	\$20,000.00	\$20,000.00	\$8,500.00	\$8,500.00		
5.	FLOW MANAGEMENT	1	LS	\$26,275.20	\$26,275.20	\$18,000.00	\$18,000.00	\$50,000.00	\$50,000.00		
6.	CONSTRUCT TEMPORARY EARTHEN RAMP	1	LS	\$3,997.49	\$3,997.49	\$2,600.00	\$2,600.00	\$4,500.00	\$4,500.00		
7.	REMOVE PAVEMENT	200	SY	\$21.16	\$4,232.00	\$32.00	\$6,400.00	\$55.00	\$11,000.00		
8.	REMOVE SHEET PILE WALL	1	LS	\$5,538.40	\$5,538.40	\$2,000.00	\$2,000.00	\$11,000.00	\$11,000.00		
9.	REMOVE TIMBER PILES	4	EA	\$1,027.83	\$4,111.32	\$420.00	\$1,680.00	\$2,100.00	\$8,400.00		
10.	EARTHWORK (EXCAVATION)	150	CY	\$10.96	\$1,644.00	\$10.00	\$1,500.00	\$12.00	\$1,800.00		
11.	EARTHWORK (HAUL IN)	2,150	CY	\$13.13	\$28,229.50	\$22.00	\$47,300.00	\$26.00	\$55,900.00		
12.	CONSTRUCT GEOGRID	30	SY	\$20.61	\$618.30	\$43.00	\$1,290.00	\$6.00	\$180.00		
13.	INSTALL 3" ROCK STABILIZATION	20	TN	\$65.56	\$1,311.20	\$80.00	\$1,600.00	\$67.00	\$1,340.00		
14.	CONSTRUCT FLOWABLE FILL - 100-125 PSI	500	CY	\$133.15	\$66,575.00	\$193.00	\$96,500.00	\$166.00	\$83,000.00		
15.	CONSTRUCT 8-INCH CONCRETE SLAB (TYPE L6)	330	SY	\$89.35	\$29,485.50	\$84.00	\$27,720.00	\$120.00	\$39,600.00		
16.	CONSTRUCT SHEET PILE (PZ-22)	1,730	SF	\$56.48	\$97,710.40	\$32.00	\$55,360.00	\$56.00	\$96,880.00		
17.	CONSTRUCT SHEET PILE (PZ-35)	2,740	SF	\$57.78	\$158,262.40	\$50.00	\$137,000.00	\$66.00	\$180,840.00		
18.	SEEDING - TYPE "WETLAND"	0.25	AC	\$4,158.00	\$1,039.50	\$9,700.00	\$2,425.00	\$4,600.00	\$1,150.00		
19.	SEEDING - TYPE "BUFFER"	0.60	AC	\$3,564.00	\$2,138.40	\$5,700.00	\$3,420.00	\$4,000.00	\$2,400.00		
20.	BUR OAK (2" CALIPER)	3	EA	\$576.18	\$1,728.54	\$700.00	\$2,100.00	\$650.00	\$1,950.00		
21.	BLACK WALNUT (2" CALIPER)	2	EA	\$576.18	\$1,152.36	\$700.00	\$1,400.00	\$400.00	\$800.00		
22.	HONEY LOCUST (2" CALIPER)	2	EA	\$540.54	\$1,081.08	\$700.00	\$1,400.00	\$600.00	\$1,200.00		
23.	CONSTRUCT LIVE STAKES	80	EA	\$28.51	\$2,280.80	\$60.00	\$4,800.00	\$32.00	\$2,560.00		
24.	INSTALL MULCHING	0.60	AC	\$1,485.00	\$891.00	\$10,000.00	\$6,000.00	\$1,650.00	\$990.00		
25.	INSTALL ROLLED EROSION CONTROL	1,400	SF	\$0.36	\$504.00	\$1.00	\$1,400.00	\$0.65	\$910.00		
26.	CONSTRUCT TYPE C RIP-RAP	2,200	TN	\$60.90	\$133,980.00	\$66.00	\$145,200.00	\$92.00	\$202,400.00		
27.	CONSTRUCT GROUTED BOULDER DROP STRUCTURE	1	LS	\$86,645.92	\$86,645.92	\$167,000.00	\$167,000.00	\$9,000.00	\$9,000.00		
28.	INSTALL CONSTRUCTION ENTRANCE	1	EA	\$2,845.95	\$2,845.95	\$1,600.00	\$1,600.00	\$3,300.00	\$3,300.00		
29.	INSTALL STRAW WATTLES	650	LF	\$3.39	\$2,203.50	\$6.00	\$3,900.00	\$3.75	\$2,437.50		
30.	CONSTRUCT CONCRETE WASHOUT	1	EA	\$2,060.80	\$2,060.80	\$750.00	\$750.00	\$1,050.00	\$1,050.00		
TOTAL					\$754,653.37		\$809,645.00		\$941,607.50		





HORIZONTAL SCALE
0 30 60



LEGEND

- Property Line
- Limits Of Construction
- Edge of Water
- Existing Contour
- Approximate Roadway Location
- Temporary Construction Easement
- [Hatched Box] Existing Wetlands
- [Diagonal Lines Box] Rip Rap to be Removed and Salvaged for Reuse
- [Circle with Dot] Timber Pile to be Removed
- [Diagonal Lines Box] Trees to be Removed
- [White Box] Pavement to be Removed

REMOVAL NOTES:

1. The CONTRACTOR shall notify the OWNER and ENGINEER 72 hours in advance if existing utilities conflict with new construction or if temporary outages are anticipated, including but not limited to water, gas, power, cable television and telephones.
2. The CONTRACTOR shall protect all existing utilities and shall be responsible for any and all damages to utilities that are permitted to remain in place. Damages due directly or indirectly to the CONTRACTOR'S operations shall be promptly repaired to the satisfaction of the ENGINEER and the OWNER of the property, or the CONTRACTOR shall make payment to such OWNERS for repairs as may become necessary on account of damages that are due to his operations.
3. The CONTRACTOR shall make himself aware of all of the permanent and temporary utility appurtenances in their present and/or relocated positions. No additional compensation will be allowed for any delays, inconvenience, or damage sustained due to interference from the said utility appurtenances or the operation of disconnecting them, including the possibility of uncovering utilities that have been abandoned and/or are not indicated.
4. All demolition rubbish will be removed from the site by a licensed trucking firm, in covered trucks, and taken to a licensed landfill. All this will be paid for by the CONTRACTOR and will be part of the CONTRACTOR'S base bid unless otherwise indicated.
5. No burning of materials will be permitted.
6. The OWNER shall be given 5 business days notice before any entrance or access drive closures.
7. The limits of removal shown on the drawings are approximate. The exact limits will be marked in the field by the ENGINEER.
8. Trench and any subgrade soils disturbed shall be recompacted as specified in the Compaction Requirements Table or as directed by the Geotechnical Engineer.
9. The CONTRACTOR shall protect all existing trees unless indicated for removal on this sheet.



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Print Date: 3/28/2016 2:00:09 PM
 File Name: 13112-02 - Removals.dwg
 Horizontal Scale: 1"=30' Vertical Scale: 1"=30'

**FELSBURG
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 Omaha, NE 68154
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 fax 402.445.4394

Sheet Revisions			
(R-X)	Date	Comments	Initials

As Constructed	He'll Creek Grade Control Stabilization (at Confluence with West Papillion Creek)	Project No./Code
No Revisions:	Site Removals	15048-01
Revised:	Designer: DCL Structure	
	Detailer: LEX Numbers	
Void:	Subset:	Sheets: 4 of 14
		Sheet Number 4