



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, April 18, 2018

Agenda Item

Item 7. G. - LMRWD Projects

Prepared By

Linda Loomis, Administrator

Summary

i. **Eden Prairie Area #3 Stabilization**

No new information since last update

ii. **Riley Creek Cooperative project Hennepin County Flying Cloud Drive/CSAH 61 reconstruction project**

The LMRWD has been working with Hennepin County to stabilize the stream banks of Riley on the reach that is south of Flying Cloud Drive. Staff thought there may be some efficiency and reduction in the cost of the project by coordinating the project with Hennepin County's reconstruction of Flying Cloud Drive. The County asked the LMRWD to work directly with the contractor and an estimate for the project was provided by the Contractor, Ames Construction. That bid is attached. Technical staff has reviewed the bid and asked the contractor about the cost of *Bid Item #2- Set up/Remover Riley Creek Temp Bypass and Dewater.*

I spoke with the Contractor's contact person for more detail about Bid Item #2. He said there is some efficiency to be gained by timing the project to coincide with the County. The reason Bid Item #2 is there is that, the Contractor is already done with the bypass needed for the County's project and the reach of Riley Creek the LMRWD working on is about 30 feet south of where the County's work is done. They will need to bypass Riley Creek again for the County when they grout the stone under the bridge and that will reduce the cost to the LMRWD. This reduction is reflected in the figure quoted. He also said that dewatering will need to be done in order to create the plunge pool that is part of the LMRWD project. Staff feels this is a reasonable explanation.

iii. **Floodplain Lake Coring Project with Freshwater Society**

Dr. Stefanova, of Lac Core is analyzing the pollen from the cores taken in February. Dr. Carrie Jennings has contacted me for historical information about fires in the river valley. Lac Core is looking at carbon deposits as part of the analysis of the sediment cores and some unexpected carbon layers have been found. I have not been able to find any information in the District's records about fires, but I have referred Carrie to Mark Cleveland of the DNR. He has provided some information to the District about fires and fen management. Staff thought Mr. Cleveland may have information that might be helpful.

iv. **Seminary Fen ravine stabilization project**

No new information since last update

v. **Analysis of Dakota County Monitoring**

We have had no new information from the DNR. If this is the project that the LMRWD funds with the Metro-area Watershed Based Funding Pilot Program staff will pull together a proposal in order to apply for the grant money.

vi. East Chaska Creek - CSAH 61 & TH 41 Transportation improvements

The City of Chaska had planned to meet with the LMRWD about this project, however, that meeting was cancelled. A new meeting has been scheduled for April 26th. We hope to be able to use the LMRWD's allocation of the Metro-area Watershed Based Funding for Carver County to help fund this project.

The project proposed the recreation of a wetland adjacent to East Chaska Creek on land owned by the City. The city has indicated that they are ready to begin redevelopment of the site and it may be possible to complete this project as part of the redevelopment. East Chaska Creek is impaired for Aquatic Life and Recreation due to Aquatic Macroinvertebrate Bioassessments, Fishes Bioassessments, turbidity and Fecal Coliform.

Attachments

Bid from AMES Construction for Riley Creek Project

Recommended Action

Motion to accept bid proposal from Ames



Ames Construction, Inc.®

2000 Ames Drive
Burnsville, MN 55306
952-435-7106 • Fax 952-435-7142

April 12, 2018

Attention: Linda Loomis
District Administrator
Lower Minnesota River Watershed District
Chaska, MN 55318
Sent via Email; naiadconsulting@gmail.com

Regarding: Proposal for grouted riprap vane and plunge pool within Riley Creek immediately south of Flying Cloud Drive in Eden Prairie, MN.

To Linda Loomis,

Ames Construction is proposing to perform the following work for a price of **\$73,846.49** for the above referenced project. The price is subcategorized by the following bid items.

- Bid Item 1 – Erosion Control and Maintenance - \$3,916.15
- Bid Item 2 - Set up/Remove Riley Creek Temp Bypass and Dewater - \$40,239.67
- Bid Item 3 - Install Grouted Riprap Vane and Plunge Pool - \$29,690.67
 - Total Bid - **\$73,846.49**

The work is conditioned via the following clarifications and exclusions.

General Clarifications

1. Work will entail a complete bypass of Riley Creek and dewatering to provide for a dry work area for excavation and installation of the grouted riprap vane and plunge pool.
2. Ames will furnish materials for Random Riprap Matrix and Granular Filter Cushion in conformance with specifications for the Hennepin County Flying Cloud Project No. 0904.
3. Pricing is only valid for work to be performed in the time frame from June 16, 2018 to October 15, 2018.
4. Pricing based on the details provided by the Lower Minnesota River Watershed District to Ames on drawing 162/297 and **STREAM RESTORATION STANDARD PLATES** April 12, 2018.
5. Purchaser must sign Ames purchase order.
6. Payment is to be 30 days from completion of all work by Ames.

Exclusions

1. Builders risk insurance and bond.
2. All testing and inspection.
3. All utility relocations unless noted otherwise.
4. All engineering.
5. All design costs.
6. All permits.
7. Disposal Fees.
8. Relocation / Removal of any mechanical or electrical components unless noted otherwise.
9. Survey.
10. As-built drawings.
11. Any future changes made to the drawings provided by the Lower Minnesota River Watershed District on April, 12 2018.

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OFFICES IN: PHOENIX, ARIZONA • AURORA, COLORADO • CARLIN, NEVADA • WEST VALLEY CITY, UTAH

Regards,
Ames Construction, Inc.

A handwritten signature in black ink, appearing to read 'Alex Carlin', with a long horizontal flourish extending to the right.

Alex Carlin
Project Manager

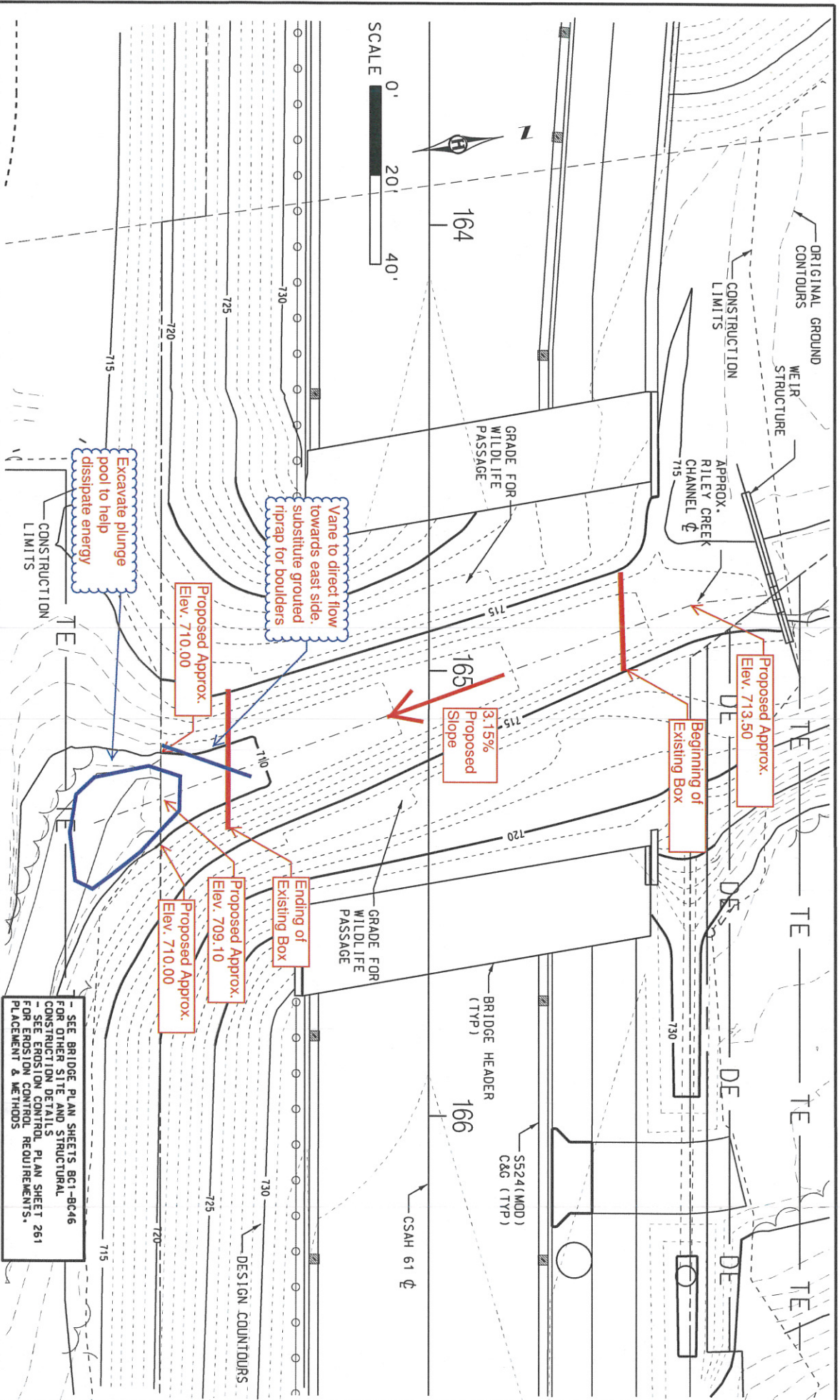


DRAFT 1/17/2017

DESIGN BY: D. KUNATH
 CAD BY: D. KUNATH
 CHECKED BY: J. STABELL
 LAST REVISION:

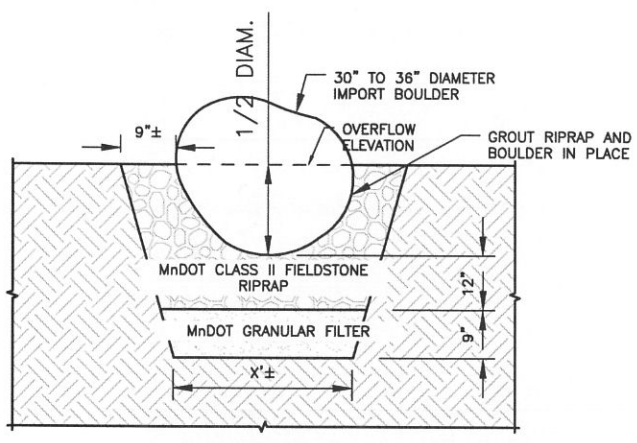
SPECIAL GRADING DETAIL (UNDER BRIDGE 27002)
 C.S.A.H. 61 / HENNEPIN COUNTY PROJECT 0904
 S.A.P. 027-661-048/181-020-031 & S.A.P. 010-661-003/194-020-012
 SHEET 2 OF 2

SHEET
 162
 297

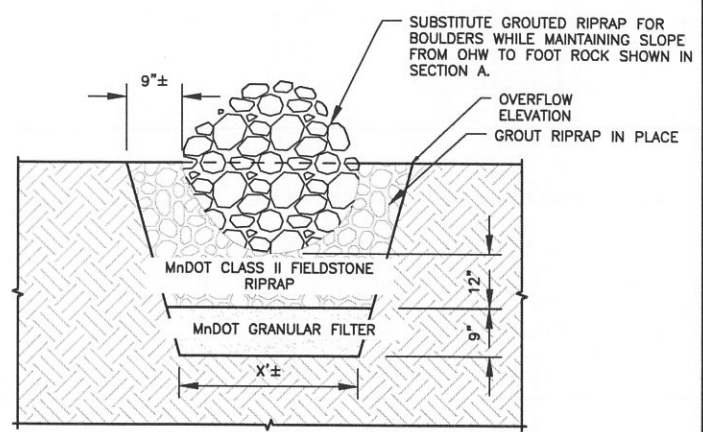


SEE BRIDGE PLAN SHEETS BCT-8C46 FOR OTHER SITE AND STRUCTURAL CONSTRUCTION DETAILS
 SEE EROSION CONTROL PLAN SHEET 261 FOR EROSION CONTROL REQUIREMENTS, PLACEMENT & METHODS

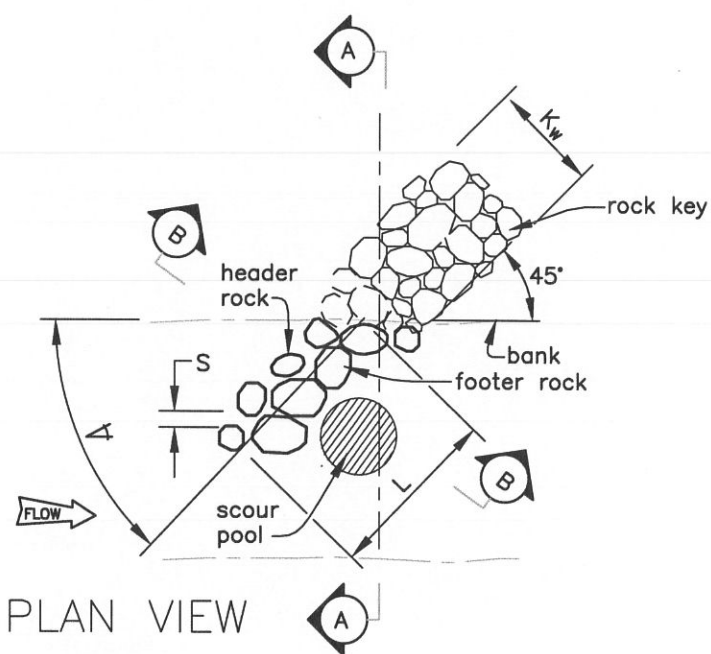
CADD USER: Adam K. Howard FILE: G:\AKH\ECOSYSTEMRESTO\STREAM_RESTORATION_STANDARD_PLATES.DWG PLOT SCALE: 1:1 PLOT DATE: 4/12/2018 11:03 AM



1 SECTION: BOULDER VANE TRENCH
NOT TO SCALE



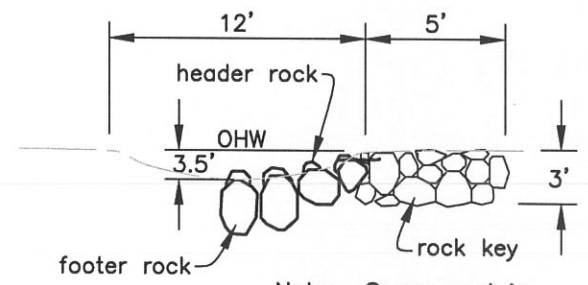
2 SECTION: BOULDER VANE TRENCH ALTERNATIVE
NOT TO SCALE



PLAN VIEW

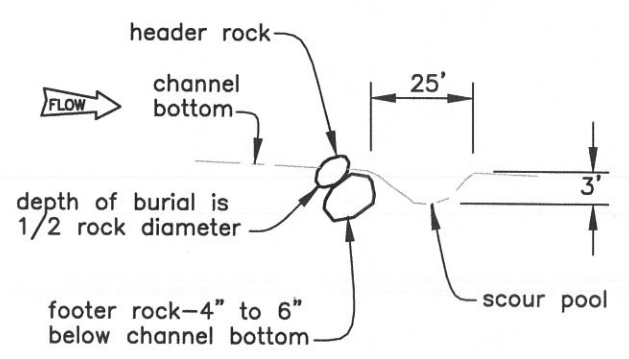
GENERAL NOTES

1. Vane will extend into the channel a total of 1/3 of the bank full width flow and will be angled from the streambank between 20° to 30°.
2. The top of the vane shall have a slope between 4° to 7°.
3. This standard drawing requires supporting technical documentation prior to use and must be adapted to the specific site.



Note: Scour pool is
1) Scour pool is not shown in this view.
2) Footer rock elevation is same as middle of channel

SECTION A



SECTION B

STREAM RESTORATION STANDARD PLATES
|| BOULDER VANE ||

This template is for REFERENCE ONLY and should be carefully considered and edited to match the project's specific situation.

SPEC #: 31 37 00
BARR ENGINEERING COMPANY
4700 W 77th Street
Minneapolis, MN 55435-4803
P: (952) 832-2600