LOWER PLATTE SOUTH
natural resources district
3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581
P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

Memorandum

Date: October 16, 2020

To: Urban Subcommittee

From: Jared Nelson, District Engineer

Subject: Urban Subcommittee Meeting Minutes – October 2020

The Urban Subcommittee met virtually at 5:30pm, on Thursday, October 15, 2020. Subcommittee members participating included Mike DeKalb, Karen Amen, Robert Andersen, Tom Green, Greg Osborn, Milt Schmidt, Anthony Schutz and Ray Stevens. Others participating included Board member Larry Ruth; NRD staff Paul Zillig, Dave Potter, Mike Murren, Al Langdale, Tracy Zayac and Jared Nelson; Sharon Kresse with the Pine Lake Homeowners Association; and Travis Figard with Olsson. Director DeKalb called the meeting to order at 5:30pm, gave a brief welcome, and reviewed the agenda. There were four items the Subcommittee took action on and several reports as described below.

(a.) Community Assistance Program Request – Pine Lake HOA, Dam Rehabilitation – Tracy Zayac, staff, discussed a Community Assistance Program (CAP) Request the District received from Pine Lake Homeowners Association in Lincoln. Tracy referred to her October 9th Memo on this matter (attached) where Pine Lake HOA is requesting construction funding assistance to rehabilitate the principle spillway pipe to the dam and conduct dredging. She described that the design phase of the project was complete, and more recently the Nebraska DNR had required a more robust UV Cured-In-Place-Pipe be used instead of the initial proposal. A revised cost estimate and application letter (attached) from Pine Lake HOA was provided on October 14th reflecting the latest cost estimates to satisfy DNR. Sharon Kresse with the HOA described that DNR wanted the pipe replaced as soon as possible, and she clarified to Board members that the dredging is planned to occur afterward. The subcommittee discussed with staff the recommendation to approve the construction of the spillway portion of the work, but not dredging.

It was moved by Osborn, seconded by Schmidt, and unanimously approved by the Subcommittee to recommend that the Board of Directors approve the Community Assistance Program application from the Pine Lake Homeowners Association, for future Pine Lake Spillway Rehabilitation Project costs, in an amount of 50% of the estimated cost, not to exceed $40,527.50 NRD funds.

(b.) Community Assistance Program Request – Weeping Water, Gospel Run Bank Stabilization – Next, Zayac discussed a second CAP request from the City of Weeping Water for cost-share funding assistance to complete construction of their Gospel Run stream stabilization project. She referred to her attached October 9th Memo (attached) and described how the design was complete, and so now they're requesting assistance for construction, or Phase 2 of this project.

It was moved by Andersen, seconded by Osborn, and unanimously approved by the Subcommittee to recommend that the Board of Directors approve the Community Assistance Program application from the City of Weeping Water, for the Gospel Run Bank Stabilization Project - Phase 2, in an amount of 50% of the estimated cost, not to exceed $77,631.50 NRD funds.

(c.) Consideration of Bids for the Oak Creek Weir Repair at 14th St Project (at Salt Creek Levee) – Jared Nelson, staff, described bids the District received for the Oak Creek Weir Repair at 14th St project, on the Salt Creek Levee System. He described how JEO completed design and development of plans for this project to repair a concrete flume and stabilize the stream on Oak Creek, just east of 14th St. Nelson described that the Engineer's Opinion of Cost for construction was for $426,000. He described that the project was advertised for construction on September 24, 2020, to receive bid proposals, and the bid opening was Tuesday afternoon, October 13, 2020; the District received four bids. Nelson referred to JEO's letter (attached) recommending award to the low bidder of Gana Trucking & Excavating with a base bid of $425,100.52. The Subcommittee and staff discussed the benefits of using more durable pink quartzite rip-rap instead of limestone.

It was moved by Andersen, seconded by Amen, and unanimously approved by the Subcommittee to recommend that the Board of Directors approve the Bid from Gana Trucking & Excavating in the amount of $425,100.52 for the Oak Creek Weir Repair at 14th St Project.

(d.) Consideration of Proposals for the Salt Creek Pipe Replacement at Charleston St Bridge Project (STA 234+77L) – Next, Al Langdale, staff discussed proposals received on the Salt Creek Pipe Replacement at Charleston St Bridge project. Al described this project replaces a deteriorated pipe downstream of the Charleston St Bridge at Salt Creek, and the District sought proposals from five contractors on October 1st. Langdale described that JEO was hired by the District to complete design and development of plans, and their Engineer's Opinion of Cost for construction was for $31,870. Langdale said the District received three proposals on October 13, 2020, and referred to JEO's letter (attached) to recommend award to the low bidder of Yost Excavating with a proposal for $31,991.

It was moved by Andersen, seconded by Amen, and unanimously approved by the Subcommittee to recommend that the Board of Directors approve the Proposal from Yost Excavating in the amount of $31,991.00 for the Salt Creek Pipe Replacement at Charleston St Bridge Project.

(e.) Reports. – Finally, several reports were giving to the Subcommittee by staff. First, Zayac gave an update of current CAP project status and referred to her attached Memo with a summary. Next, Mike Murren, discussed the Beal Slough Stream Stabilization Project – 70th to Pine Lake and the District is waiting for the 404 permit and he's working on acquisitions of landrights. Next, Nelson and Zillig gave an update of the Deadmans Run Flood Reduction Project. Langdale gave an update of the USACE's Salt Creek Levee USACE PL84-99 Repair Project and there is still several weeks or work left. Finally, Dave Potter gave an update of South Salt Creek #4, that construction was essentially done.

There being no further business the meeting adjourned at approximately 6:30 pm.

JN/jn

Enclosures;

A. & B.

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natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581
P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

Memorandum

Date: October 9, 2020

To: Urban Subcommittee

From: Tracy Zayac

Subject: CAP Projects for consideration at October 15, 2020, meeting

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1. CAP.2020.005 Pine Lake HOA pond spillway rehabilitation (design and construction): The Pine Lake HOA has requested Community Assistance Program cost-share for the design and construction of a repair to the spillway outlet pipe for the pond maintained by the HOA. The spillway pipe was identified as in need of repair during NeDNR's inspection of the dam in November 2019. The applicant has selected sliplining as the method of repair for the pipe.

   The applicant also intends to dredge the pond, which is private and not open to the public. Dredging activities will form part of a separate, broader water-quality effort that the HOA is undertaking and is not otherwise a part of this application.

   This application covers the design and construction of the project, as well as design costs for dredging the pond, as further outlined below:

   - Total design costs: $32,000 (50% share = $16,000)
     - Design cost without dredging: $17,625 (50% share = $8,812.50)
     - Dredging design cost alone: $14,375 (50% share = 7,187.50)

   - Total construction costs: $70,680 (50% share = $35,340)
     - No dredging costs included

   - Total combined request with dredging design: $51,340
   - Total combined request without dredging design: $44,152.50

   The design phase of the project had already been completed as of the date that the application for assistance was submitted to the District. The contract for the repair work has been awarded to a contractor, and construction activities are scheduled to begin imminently.

2. CAP.2020.006 Weeping Water Gospel Run bank stabilization project Phase 2 (construction): The Village of Weeping Water has completed Phase 1 (design) of this project and is ready to begin construction work on the Gospel Run bank stabilization project. Design plans call for the installation of gabion baskets along both sides of the channel, except at the location of the existing retaining wall, which will be maintained. The Village is requesting a cost-share amount of $77,631.50, or 50% of the total cost of $155,263, for Phase 2 (construction) of this project.

Enc.: Pine Lake HOA request information
Village of Weeping Water Phase 2 request information

Map By: Lower Platte South NRD, sdr - October 2020

PINE LAKE ASSOCIATION

October 14, 2020

Mr. Paul Zillig
Lower Platte South NRD
3125 Portia Street
Lincoln, NE 68521

Pine Lake Homeowners Association – Pine Lake Spillway Rehabilitation

Dear Mr. Zillig,

The Pine Lake Homeowners Association (HOA) is requesting funding through the Community Assistance Program. The requested funding is for a 50% cost split for both the design and construction portion of Pine Lake Spillway Rehabilitation. Olsson has been retained by the Pine Lake Association to perform the date collection, design of spillway rehabilitation, dredging drainage analysis, permitting, and bidding services for this project. The full design contract with Olsson is for $26,250 which includes the dredging analysis and design for dredging and excludes any construction services. If the dredging activities are deemed eligible for the cost sharing program, the Pine Lake HOA is requesting $13,125 from the Lower Platte South NRD (LPSNRD).

However, if the LPSNRD determines that the dredging activities are not eligible for cost sharing, the fee associated with Spillway Rehabilitation design only is $14,750. The Pine Lake HOA would then request $7,375.00 from the LPSNRD.

Currently the main spillway pipe is eroding and beginning to fail. The Nebraska Department of Natural Resources (NeDNR) inspected the spillway pipe earlier this year and deemed that repairs are required for the Pine Lake Dam system to remain in place. The Pine Lake HOA hired Olsson in January to prepare repair plans for the spillway pipe as well as develop a dredging plan. Olsson has prepared construction documents and has contracted with a contractor to do the spillway repair work.

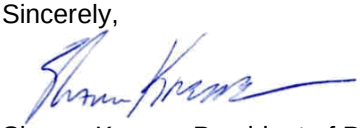
The construction contract is for $78,180.00 and only includes work on the spillway. Olsson has an additional $2,875 fee for construction services for a total of $81,055. The Pine Lake HOA is requesting 50% cost share on the construction which is $40,527.50.

Attached you will find the approved contract with Olsson for the design work as well on the construction proposal from the contractor. We respectfully ask that you forward this request to the LPSNRD Board of Directors. Olsson and the Pine Lake HOA's president will attend the board meeting to represent the interests of the HOA.

50% Cost Share Requests – only one of the design contract amounts would be approved

Entire Design Contract - $13,125.00 or
Only Spillway Design Contract - $7,375.00
Construction Contract - $40,527.50

Sincerely,



Sharon Kresse, President of Pine Lake Association Board
cc: File, Travis Figard (Olsson)

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olsson

LETTER AGREEMENT
FOR PROFESSIONAL SERVICES

February 7, 2020

Pine Lake Association
Attn: Sharon Kresse
PO Box 6563
Lincoln, NE 68506

Re: **LETTER AGREEMENT FOR PROFESSIONAL SERVICES**
Pine Lake Spillway Rehabilitation (the "Project")
Lincoln, NE

Dear Ms. Kresse:

It is our understanding that Pine Lake Association ("Client") requests Olsson, Inc. ("Olsson") to perform the services described herein pursuant to the terms of this Letter Agreement for Professional Services, Olsson's General Provisions and any exhibits attached hereto (all documents constitute and are referred to herein as the "Agreement") for the Project.

Olsson has acquainted itself with the information provided by Client relative to the Project and based upon such information offers to provide the services described below for the Project. Client warrants that it is either the legal owner of the property to be improved by this Project or that Client is acting as the duly authorized agent of the legal owner of such property. Client acknowledges that it has reviewed the General Provisions and any exhibits attached hereto, which are expressly made a part of and incorporated into the Agreement by this reference. In the event of any conflict or inconsistency between this Letter Agreement, and the General Provisions regarding the services to be performed by Olsson, the terms of the General Provisions shall take precedence.

Olsson shall provide the following services ("Scope of Services") to Client for the Project as more specifically described in "Scope of Services" attached hereto. Should Client request work in addition to the Scope of Services, Olsson shall invoice Client for such additional services (Optional Additional Services) at the standard hourly billing labor rate charged for those employees actually performing the work, plus reimbursable expenses if any. Olsson shall not commence work on Optional Additional Services without Client's prior written approval.

Olsson agrees to provide all of its services in a timely, competent and professional manner, in accordance with applicable standards of care, for projects of similar geographic location, quality and scope.

2111 S. 67th Street / Suite 200 / Omaha, NE 68106
O 402.341.1116 / olsson.com

SCHEDULE FOR OLSSON'S SERVICES

Unless otherwise agreed, Olsson expects to perform its services under the Agreement as follows:

Anticipated Start Date:	April 1, 2020
Data Collection on Spillway and Bathymetric Survey:	April 1, 2020 to June 1, 2020
Spillway Construction Plans:	June 1, 2020 to July 15, 2020
Bidding Period Spillway:	July 15, 2020 to August 8, 2020
Award of Contract for Spillway Construction:	August 2020
Spillway Rehabilitation:	Sept. 8, 2020 to Nov. 1, 2020
Anticipated Completion Date:	Nov. 1, 2020

Olsson will endeavor to start its services on the Anticipated Start Date and to complete its services on the Anticipated Completion Date. However, the Anticipated Start Date, the Anticipated Completion Date, and any milestone dates are approximate only, and Olsson reserves the right to adjust its schedule and any or all of those dates at its sole discretion, for any reason, including, but not limited to, delays caused by Client or delays caused by third parties.

COMPENSATION

Client shall pay to Olsson for the performance of the Scope of Services, the actual hourly labor rates of personnel performing such services on the project times a factor and all actual reimbursable expenses in accordance with the Reimbursable Expense Schedule attached to this agreement. Olsson shall submit invoices on a monthly basis, and payment is due within 30 calendar days of invoice date.

TERMS AND CONDITIONS OF SERVICE

We have discussed with you the risks, rewards and benefits of the Project, the Scope of Services, and our fees for such services and the Agreement represents the entire understanding between Client and Olsson with respect to the Project. The Agreement may only be modified in writing signed by both parties.

Client's designated Project Representative shall be Chad Wemhoff.

If this Agreement satisfactorily sets forth your understanding of our agreement, please sign in the space provided below. Retain one original for your files and return an executed original to Olsson. This proposal will be open for acceptance for a period of maximum 30 days from the date set forth above, unless changed by us in writing.

OLSSON, INC.

By Travis A Figard
Travis Figard

By Michael W. Placke
Mike Placke

By signing below, you acknowledge that you have full authority to bind Client to the terms of the Agreement. If you accept the terms set forth herein, please sign:

Pine Lake Association

By Sharon K Kresse
Signature

Print Name SHARON KRESSE

Title PRESIDENT
PINE LAKE ASSOCIATION

Dated 3/24/2020

Attachments
General Provisions
Scope of Services
Exhibit B – Fee Schedule

SERVICES FOR PINE LAKE SPILLWAY REHABILITATION, UPSTREAM SEDIMENT BASIN DREDGING, AND MAIN LAKE DREDGING

SCOPE OF SERVICES

This exhibit is hereby attached to and made a part of the Letter Agreement for Professional Services dated February 7, 2020 between Pine Lake Association ("Client") and Olsson Associates ("Olsson") providing for professional services. Olsson's Scope of Services for the Agreement is indicated below.

PROJECT DESCRIPTION AND LOCATION

The structure (Pine Lake Dam) was inspected by the Nebraska DNR. The corrugated metal spillway pipe was found to be corroded with holes and cracks in the pipe. Due to age, the structure is in need of repairs and must be brought up to design standards and the repairs documented with NeDNR Dam Safety Division. It is assumed that the spillway pipe will be rehabilitated with cured in-place pipe (CIPP). The existing stoplog structure in the riser will need to be removed and replaced. It is assumed that for these repairs, the lake level will be lowered sufficiently to allow for construction.

The client has also requested the two upstream sediment basins be dredged and a bathymetric survey of the main lake be performed. The bathymetric survey of the main lake will be used determine the extents of a future dredging project.

Project will be located: Lincoln, Nebraska

SCOPE OF SERVICES

Olsson shall provide the following services (Scope of Services) to Client for the Project:

Background and Overview
Phase 100 – Engineering Services

Task 101 – Site Visit and Data Collection

- Visit the site and collect necessary survey photos, drainage structure inventory, land use data, Bathymetric survey of the two upstream sediment structures, and other information required to create hydrologic and hydrologic models. Assumes 2 people for two days surveying, and one day for modeling, total of 40 hrs.
- Collect aerial photography, Lancaster County LiDAR, soils maps, and other information to aide in conceptual design.
- Visually inspect apparent deficiencies in flow capacity or embankment stability, such as deteriorated riser and spillway pipe, overgrown vegetation, channel obstructions, or signs of scour and erosion.
- NRD funding coordination. Olsson will attend two meeting and assist the client with requesting funding assistance from the Lower Platte South NRD. Assumes a total of 6 hours

- Assumptions: 2 people for two days surveying, and one day for modeling, total of 46 hrs. for this task. LiDAR data will be used to supplement survey data collected.

Task 102 – Conceptual Design of Spillway Rehabilitation and Upstream Sediment Basin Cleanouts

- Analyze the outlet to determine size and grades.
- Design improvements to correct deteriorated conditions. Improvement options need to also consider aesthetic value near neighborhoods and backwater effects. Alternate materials and methods for rehabilitation of the principal spillway pipe and riser will be considered.
- Prepare concept level plans with typical cross sections.
- Prepare concept level plans for the cleanout of sediment basins.
- One site meeting with client to review conceptual design and preliminary opinion of probable cost.
    - Assumptions: total of 40 hours for this task. Existing pipe will be rehabilitated with Cured in Place Pipe (CIPP) or concrete lined to the existing lines and grades.
    - A meeting will be held with the client to discuss the principal spillway rehabilitation options and relative costs for each option. After Olsson receives the clients feedback Olsson will proceed to the next task of final design.

Task 103 – Final Design of Spillway Rehabilitation

- Develop final plans in accordance with city of Lincoln standards for detention cells. Develop final plans for cleanout of upstream sediment basins. It is assumed that all project specifications will be contained with the plan set and will consist of not more than one standard size sheet.
    - Assumptions: Total of 32 hours for this task. Project specifications will be contained within the plan set.

Phase 200 – Main Reservoir Dredging Design Services

Task 201 – Site Visit and Data Collection

- Visit the site and collect bathymetric survey of the main reservoir. A map will be prepared showing the underwater contours of the lake. Assumes a total of 72 hrs.

Task 202 – Develop Grading Plans for Main Reservoir Dredging

- Prepare dredging plans to optimize the performance of the Pine Lake Main Reservoir. Olsson will develop grading plans and specifications for the dredging of the main reservoir. Grading plans and quantities will be based on owner's requirements. It is assumed that lake will be drained for dredging. Assumes one meeting with the owner and a total of 20 hours for this task.

Phase 300 – Bidding and Construction Services

Task 301 – Bidding Services

- Olsson will develop documents, contact three potential contractors and assist the owner in bidding the construction of the spillway rehabilitation and dredging of the two upstream sediment basins. Dredging of the main lake will not be included in these bidding documents, as dredging extents are yet to be determined. Documents include spillway bidding documents, construction contracts, printing up to 8 sets of plans and bid documents. Olsson will attend one pre-bid site showing for contractors. Olsson will receive and open submitted bids. Olsson will evaluate the all bids and make a recommendation to the client for award of the construction contract. This task assumes a total of 22 hours.

Task 302 – Construction Services

- Olsson will provide part-time construction services during the construction of the spillway rehabilitation and dredging of the two upstream sediment basins. The engineer will visit the site periodically or as required during construction. As-Constructed drawings will be prepared and submitted to the Owner and the Nebraska Department of Natural Resources. This task assumes a total of 24 hours.

Tasks not included with this scope:
The following tasks are not included, should the client request additional services a separate fee can be developed depending on the tasks requested:

- Geotechnical investigation
- Wetland investigation or environmental permitting
- Additional Survey
- Permitting

Task	Estimated Hours	Estimated Fee
Site Visit and Data Collection	46	$5,750
Conceptual Design of Spillway Rehabilitation and Sediment Basins	40	$5,000
Final Design of Spillway Rehabilitation and Sediment Basins	32	$4,000
Dredging Data Collection	72	$9,000
Develop Grading Plans for Dredging	20	$2,500
Bidding Services	22	$2,750
Construction Services	24	$3,000
Total Estimate		$32,000

NEBRASKA
DEPT. OF NATURAL RESOURCES

NEBRASKA DEPARTMENT OF NATURAL RESOUCES
DAM INSPECTION CHECKLIST

DAM NAME: PINE LAKE DAM	NID #: NE00529 PLAN #: P-8751 APP #: A-9901 DAM APPROVAL STATUS: Approved
PRIMARY OWNER: Pine Lake Association PO Box 6563 Lincoln, NE 68516	QRT: SE SEC: 15 TWP: 9 RGE: 7 E COUNTY: Lancaster STREAM: TR-BEAL SLOUGH
	HAZARD CLASS: Significant YEAR COMPLETED: 1961 HYDRAULIC CAPACITY: Adequate
ADDITIONAL OWNERS:	DAM HEIGHT: 29 feet DRAINAGE AREA: 384 acres MAX.STORAGE: 306 acre-ft DAM TYPE: RE - Earthfill NORMAL STORAGE: 141 acre-ft DAM LENGTH: 851 ft
	INSPECTED BY: Mark Noble, P.E. and Keith Paulsen INSPECTED: 11/20/2019 REVIEWED BY: Tim Gokie

Deficiency Requiring Attention	General Conditions	Remarks (References to 'left' or 'right' are made as if facing downstream)
	1. Recent High Water Marks	
	2. Downstream Development	*home(s), highway, outbuilding(s)*
	3. Inadequate Vegetative Cover	
	4. Alterations to Dam	
	Crest	
	5. Settlements or Cracks	
	6. Erosion	
	7. Trees	
	8. Rodent Holes	
	Upstream Slope	
	9. Settlements,Slides,or Cracks	
	10. Erosion	
	11. Trees	
	12. Rodent Holes	
	Principal Spillway Inlet	Water Surface EL: *at top of stop logs* Est Flow Rate: *50 gpm* Size and Type: *60-inch diameter CMP riser with stop logs* Drawdown: *closed*
✓	13. Spalling, Cracking, or Scaling	*severely corroded*
	14. Leakage	
	15. Inadequate Trash Rack	
	16. Obstructions	
	Auxiliary Spillway	Type and Location: *dip in the roadway, right abutment*
	17. Obstructions	
	18. Erosion	
	19. Rodent Holes	
	20. Vegetation Condition Inadequate	
	Downstream Slope	
	21. Settlements, Slides, or Cracks	
	22. Erosion	
✓	23. Trees	*several small tree(s), brush, on toe of dam*
	24. Rodent Holes	
	25. Problems at Drain or Well Outlet	Est.Flow Rate:
	26. Seepage or Boils	Est.Flow Rate:
	Principal Spillway Outlet	Size and Type: *48-inch diameter CMP* Est.Flow Rate: *50 gpm*
✓	27. Spalling, Cracking, or Scaling	*Conduit pipe without asphalt coating is corroded with holes and cracks in pipe*
✓	28. Leakage	*Leakage through holes and cracks in pipe. Also, soil can be seen thru gap in pipe.*
	29. Obstruction	
	30. Erosion	
	Plunge Pool/Stilling Basin	
	31. Concrete or Riprap Deterioration	
	32. Outlet Channel Obstruction	*Outlet channel has been cleaned out so downstream end of conduit is no longer submerged*
	33. Erosion	

Condition Assessment: *Poor - Deficiencies exist which could realistically lead to dam failure during expected conditions. Corrective action is necessary.*

Additional Comments: *Principal spillway needs to be repaired or replaced.*

Pipe camera inspection of conduit conducted on November 20, 2019.

Inspection of inlet structure conducted on November 21, 2019. During inspection, surface layer of rusted steel 1/16" thick flaked off the stop log channel members, as well as from support beam across top of inlet structure. These members will eventually fail.

Openings have been cut into top of inlet structure so principal spillway no longer functions as a siphon when the reservoir level gets high.

Top of Dam

Upstream Slope

Downstream Slope

Principal Spillway Inlet

Principal Spillway Outlet

Looking Downstream at Auxiliary Spillway Outlet

Small trees/brush on downstream toe of dam

Looking down into principal spillway inlet. The yellow arrows indicate corroded areas.

Looking upstream from downstream end of conduit. Asphalt coating gone from lower half of pipe.

Pen inserted into hole in conduit pipe

Pen inserted into hole in cracked conduit pipe

Pen inserted into hole in cracked conduit pipe

Pen shows location of one hole in pipe near outlet end of conduit pipe

Crack in conduit pipe and pen inserted into hole in pipe

PINE LAKE DAM REPAIRS

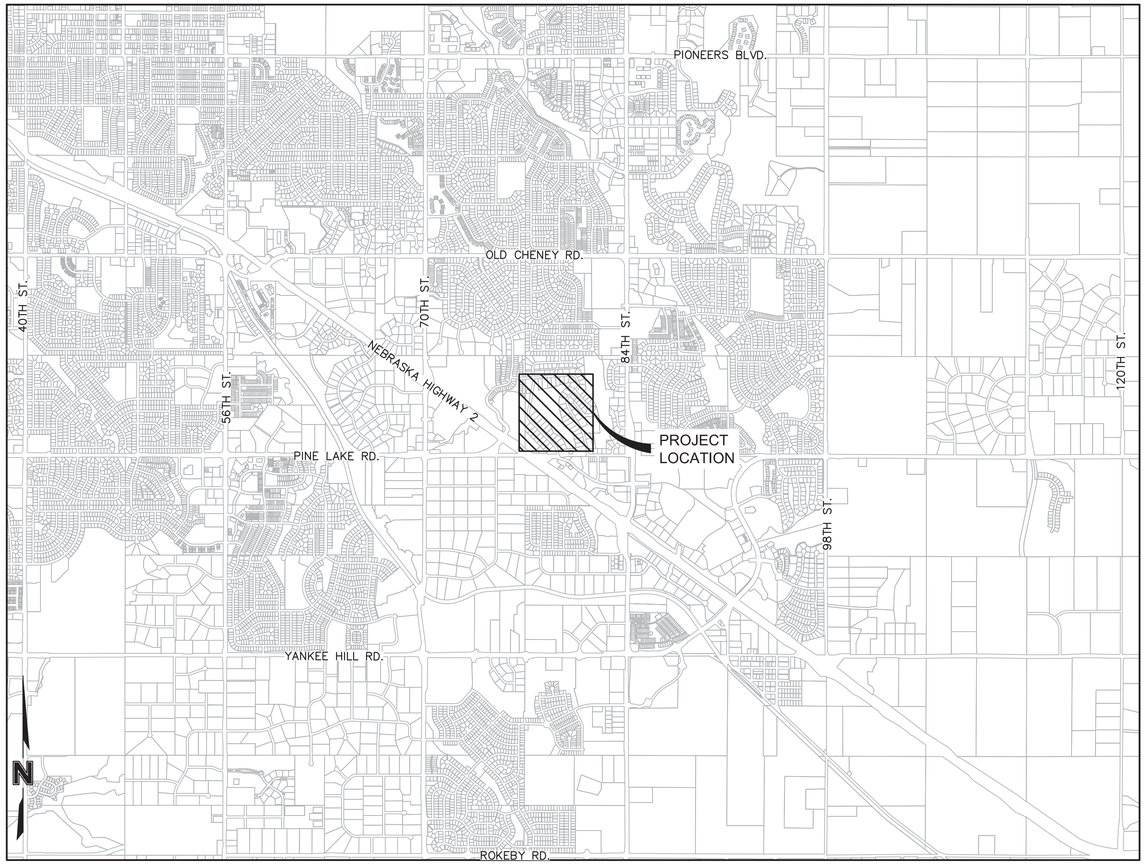
LANCASTER COUNTY, NEBRASKA

PROJECT TEAM

PINE LAKE HOME OWNERS ASSOCIATION
PO BOX 6563
LINCOLN, NE 68606
CONTACT:
PHONE: (402)

ENGINEER
OLSSON
601 P STREET , SUITE 200
LINCOLN, NE 68508
CONTACT: MIKE PLACKE
PHONE: (402)458-5957

SURVEYOR
OLSSON
601 P STREET, SUITE 200
LINCOLN, NE 68508
CONTACT: TOM BRUGGEMAN
PHONE: (402)458-5686



VICINITY MAP

SHEET INDEX	
NUMBER	TITLE
G1.1	COVER SHEET
G1.2	GENERAL NOTES AND SPECS
E1.1	EXISTING PLAN SHEETS

PRIOR TO CONSTRUCTION:

CALL : 1-800-331-5666 FOR LOCATION OF UNDERGROUND TELEPHONE, ELECTRIC, GAS MAINS, AND CABLE TELEVISION.

NOTE: EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND DRAINAGE STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL CONTRACTORS TO EXACTLY LOCATE AND PROTECT EACH EXISTING UTILITY BEFORE AND DURING ACTUAL CONSTRUCTION.

ne1call.com 800-331-5666
Nebraska 811
Know what's below. Call before you dig.

olsson
601 P Street, Suite 200
P.O. Box 84608
Lincoln, NE 68508
TEL 402.474.6311
www.olsson.com

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION
June 29, 2020
DATE PRINTED
OLSSON

REV. NO.	DATE	REVISIONS DESCRIPTION

REVISIONS

COVER

PINE LAKE DAM REPAIRS

LINCOLN, NE

2020

drawn by: JLM
checked by:
approved by:
QA/QC by:
project no.: 020-1282
drawing no.: TTL01_0201282.DWG
date: 6/29/2020

SHEET
G1.1

DWG: F:\2020\1001-1500\020-1282\40-Design\AutoCAD\Final Plans\Sheets\WTRS\W_TTL01_0201282.dwg
DATE: Jun 29, 2020 1:32pm XREFS: W_PTBLK_0201282
USER: jmclaughlin

PART 1 – GENERAL

1.1 SCOPE

A. It is the intent of this specification to provide for the reconstruction of the principal spillway inlet, riser, and outfall conduits by the installation of a cured–in–place pipe (CIPP) consisting of a thermosetting resin–impregnated flexible felt tube coated on one side with an impermeable plastic which is inverted into the original conduit by the use of a hydrostatic head or pressurized air. Curing is accomplished by circulating hot water or controlled steam throughout the length of the inverted tube to cure the resin into a hard, impermeable pipe with the plastic coating on the internal surface of the CIPP. The final product shall extend the entire length of the original pipe segment providing a continuous, tight–fitting and joint–less CIPP. Contractor shall also reinstall stoplog structure located within the principal spillway riser.

1.2 RELATED DOCUMENTS

A. Drawings and general provisions of the specifications and Contract.

B. This specification references ASTM F1216 (Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin– Impregnated Tube), ASTM D5813 (Cured–in–Place Thermosetting Resin Sewer Pipe) and ASTM D790 (Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics) which are made a part hereof by such reference and shall be the latest edition and revision thereof. Where conflicts exist between the referenced standard and this specification, this specification will govern.

1.3 PRODUCT AND CONTRACTOR QUALIFICATION REQUIREMENTS

The provided product shall have a 50 year design life, and in order to minimize the Owner's risk, only proven products with substantial long term track records will be approved. All Contractors must submit proof that they meet the below product and installer requirements of this section with their bid. In order for products and contractors to be deemed commercially acceptable and approved for this project they must meet the following criteria:

1. For a Manufacturer's inversion liner product to be considered commercially proven, a minimum of 1,000,000 linear feet or 4,000 manhole to manhole line sections of successful water collection system installations in the U.S. must be documented to the satisfaction of the Owner.

2. The Manufacturer of the inversion liner product must operate under a quality management system that is third party certified to ISO 9001:2000 or other internationally recognized organization standards. Proof of certification shall be submitted with the Bidder's bid and required for approval.

3. Third Party Test Results for the sewer rehabilitation product resin system supporting the long–term performance and structural strength of the product shall be submitted for approval, and such data shall be satisfactory to the Owner. No product will be approved without independent third party testing verification.

4. For a Contractor to be approved by the Owner, the Contractor must satisfy all insurance, financial, and bonding requirements of the Owner, and must have successfully installed at least 500,000 linear feet of CIPP in water collection systems in the United States.

5. For a Contractor to be approved by the Owner, the Contractor must submit with their bid correspondence from the Manufacturer stating that the Contractor is certified to install the Manufacturer's inversion liner Product.

6. Contractor's Qualifying Superintendent(s): the Contractor's Superintendent(s) designated for this project must have had at least 5 (five) years of continuous active experience in the commercial installation of CIPP. This shall be documented to the Owner's satisfaction in the form of a resume of work experience detailing scope of work (linear footage and CIPP diameters), location of work, and reference contact information for each project listed.

1.4 SUBMITTALS

A. The Contractor shall submit to the Owner or Owner's Engineer documentation which may include shop drawings, ASTM Standards, and manufacturer's data for the following items:

1. Lining materials to be installed.
2. Thermosetting resin to be utilized in producing the CIPP in accordance with these specifications.
3. Bypass plan layout.
4. Safety plan.
5. Design calculations for CIPP thickness of the liner system.
6. Procedures for preparing CIPP samples and testing of physical properties.
7. Pre–installation Inspection Reports.

The submittal items listed above shall be submitted by Contractor to the Owner or Owner's Engineer after Notice of Award and prior to beginning the work.

1.5 SAFETY

A. The Contractor shall carry out their operations in strict accordance with OSHA and the manufacturer's safety requirements. Particular attention is drawn to those safety requirements involving working with scaffolding and entering confined spaces.

PART 2 – MATERIALS

2.1 LINER TUBE

A. The tube shall consist of one or more layers of absorbent non–woven felt fabric and meet the requirements of ASTM F1216, Section 5. The tube shall be constructed to withstand installation pressures, have sufficient strength to bridge missing pipe, and stretch to fit irregular shaped pipe sections.

B. The wet–out tube shall have a uniform thickness that when compressed at installation pressures will meet or exceed the calculated minimum design CIPP wall thickness.

C. The tube shall be manufactured to a size that when installed will tightly fit the internal circumference and length of the original pipe. In the event that under–sized pipe is present, the liner tube shall be manufactured so that overlap folds or wrinkles do not occur. Allowances shall be made for circumferential stretching during inversion.

D. The outside layer of the tube (before wet–out) shall be coated with an impermeable polyurethane or polyethylene plastic coating. This coating shall be an impermeable, flexible membrane that will contain the resin and facilitate monitoring of resin saturation during the resin impregnation (wet–out) process. This coating shall form the inner layer of the finished pipe and is required for enhancement of corrosion resistance, flow, and abrasion properties.
E. The tube shall be homogenous across the entire wall thickness containing no intermediate or encapsulated layers of any material. Additionally, no material shall be included in the tube that may cause delamination in the cured liner, and no dry or unsaturated layers shall be evident.

F. The wall color of the interior liner surface after installation shall be a light reflective color so that a clear detailed inspection with closed–circuit television equipment may be conducted.

G. The outside of the tube shall be marked for distance at regular intervals not to exceed 10 feet. Such markings shall include the Manufacturer's name or identifying symbol. The tubes must be manufactured in the USA.

H. The minimum length shall be that deemed necessary by the Contractor to effectively span the distance between manhole sections of the segment to be lined unless otherwise specified. The Contractor is solely responsible for field verification of all pipe diameters and lengths prior to fabrication, wet–out and installation.

2.2 RESIN

A. The resin system shall be a corrosion resistant polyester or vinyl ester catalyst system that when properly cured with the tube composite meets the requirements of ASTM F1216, the physical properties herein, and those which are to be utilized in the design of the CIPP for this project. The resin shall produce a CIPP which will comply with the structural and chemical resistance requirements of this specification.

B. The resin shall be shipped directly from the resin manufacturer's facility to the CIPP wet–out facility. The resin shall not be sent to any intermediate mixing facility.

C. When requested by the Owner, the Contractor shall submit a Certificate of Authenticity from the resin manufacturer for each shipment to the wet–out facility to include the date of manufacture.

PART 3 – CIPP PRODUCT
3.1 STRUCTURAL REQUIREMENTS

A. The CIPP shall be designed as per ASTM F1216, Appendix X1. The CIPP design shall assume no bonding to the original pipe wall.

B. Long–term testing must have been performed for flexural creep of the CIPP pipe material to be installed. Such testing results are to be used to determine the long– term, time dependent flexural modulus to be utilized in the product design. This is a performance test of the materials (Tube and Resin) and general workmanship of the installation and curing as defined within the relevant ASTM standard. A percentage of the instantaneous flexural modulus value (as measured by ASTM D790 testing) will be used in design calculations for external buckling. The percentage, or the long–term creep retention value utilized, will be verified by this testing. Retention values exceeding 50% of the short–term test results shall not be applied unless substantiated by qualified third party test data to the Owner's satisfaction. The materials utilized for the contracted project shall be of a quality equal to or better than the materials used in the long–term test with respect to the initial flexural modulus used in the CIPP design.

C. The Enhancement Factor 'K' to be used in 'Partially Deteriorated' Design conditions shall be assigned a value of 7.

D. The layers of the cured CIPP shall be uniformly bonded. It shall not be possible to separate any two layers with a probe or point of a knife blade so that the layers separate cleanly or the probe or knife blade moves freely between the layers. If separation of the layers occurs during field sample testing, new samples will be required to be obtained from the installed pipe. Any reoccurrence may cause rejection of the work.

E. The cured pipe material (CIPP) shall conform to the structural properties, as listed below.

MINIMUM CIPP PHYSICAL PROPERTIES

Property Modulus of
Test MethodCured Composite per ASTM F1216 Cured Composite Enhanced ResinElasticityASTM D790250,000 psi400,000 psiFlexural StressASTM D7904,500 psi4,500 psi

F. The required structural CIPP wall thickness shall be based as a minimum, on the physical properties in Section 3.1.E above or greater values if substantiated by independent lab testing and in accordance with the design equations in the Appendix X1. Design Considerations of ASTM F1216, and the following design parameters:

Design Safety Factor (typically used value) = 2.0 Retention Factor for Long–Term Flexural Modulus to be used in Design = 50% – 75% (As determined by long–term tests described in Section 3.1.B and approved by the Owner)
Ovality* (calculated from (X1.1 of ASTM F1216) = 2% Enhancement Factor, K = See Section 3.1.C
Groundwater Depth (above invert of pipe) = Top of Pipe
Soil Depth (above crown of pipe) =Per Appendix D
Soil Modulus (only required for fully deteriorated design conditions) =1,000 psi
Soil Density (only required for fully deteriorated design conditions) =120 pcf Live Load (only required for fully deteriorated design conditions) =H20 Highway (All Locations) Design Condition (partially or fully deteriorated)* = Fully Deteriorated

*Based on review of video logs, Owner has determined that all existing pipe conditions will be considered fully deteriorated. (See ASTM F1216 Appendix). The Owner will be sole judge as to pipe conditions and parameters utilized in design.

G. Any layers of the tube that are not saturated with resin prior to insertion into the existing pipe shall not be included in the structural CIPP wall thickness computation.

3.2 TESTING REQUIREMENTS

A. Chemical Resistance – The CIPP shall meet the chemical resistance requirements of ASTM F1216, Appendix X2. CIPP samples for testing shall be of tube and resin system similar to that proposed for actual construction. It is required that CIPP samples with and without plastic coating meet these chemical–testing requirements.

B. Hydraulic Capacity – Overall, the hydraulic cross–section shall be maintained as large as possible. The CIPP shall have a minimum of the full flow capacity of the original pipe before rehabilitation. Calculated capacities may be derived using a commonly accepted roughness coefficient for the existing pipe material taking into consideration its age and condition.

C. CIPP Field Samples – When requested by the Owner, the Contractor shall submit test results from field installations of the same resin system and tube materials as proposed for the actual installation. These test results must verify that the CIPP physical properties specified in Section 3.1.E have been achieved in previous field applications. Samples for this project shall be made and tested as described in Section 4.4.A.

PART 4 – EXECUTION

4.1 INSTALLATION RESPONSIBILITIES FOR INCIDENTAL ITEMS

A. It shall be the responsibility of the Owner to locate and designate all access points open and accessible for the work, and provide rights–of–access to these locations. If a street must be closed to traffic because of the orientation of the conduit, the Contractor shall institute the actions necessary to provide access during this for the mutually agreed time period. The Contractor shall also provide access to water hydrants for cleaning, installation and other process related work items requiring water.

B. Cleaning of Conduit – The Contractor shall remove all internal debris out of the conduits that will interfere with the installation of CIPP. The Contractor shall also provide a dumpsite for all debris removed from the conduits during the cleaning operation. Any hazardous waste material encountered during this project will be considered as a changed condition.

C. Bypassing Stormwater – The Contractor, when required, shall provide for the flow of stormwater around the section or sections of pipe designated for repair. Plugging the line at an existing upstream manhole and pumping the flow into a downstream manhole or adjacent system shall make the bypass. The pump(s) and bypass line(s) shall be of adequate capacity to accommodate the anticipated storm flow. The Owner may require a detail of the bypass plan to be submitted.

D. Inspection of Pipelines – Inspection of pipelines shall be performed by experienced personnel trained in locating breaks, obstacles and service connections using close circuit television (CCTV) inspection techniques. The pipeline interior shall be carefully inspected to determine the location of any conditions that may prevent proper installation of CIPP. These shall be noted and corrected. A DVD and suitable written log for each line section shall be produced for later reference by the Owner.

E. Line Obstructions – It shall be the responsibility of the Contractor to clear the line of obstructions such as solids and roots that will prevent the insertion of CIPP. If pre–installation inspection reveals an obstruction such as a dropped joint, or a collapse that will prevent the installation process, that was not evident prior to bidding and it cannot be removed by conventional sewer cleaning equipment, then the Contractor shall notify the engineer.

F. Invert Grouting – The Contractor shall furnish and install low strength grout in invert of deteriorated metal pipe to fill annular space with low strength grout sufficiently to allow minimal gap in annular space to support the CIPP liner prior to installation of CIPP liner.

4.1 INSTALLATION

A. CIPP installation shall be in accordance with ASTM F1216, Section 7, with the following modifications:

1. Resin Impregnation – The quantity of resin used for tube impregnation shall be sufficient to fill the volume of air voids in the tube with additional allowances for polymerization shrinkage and the potential loss of resin during installation through cracks and irregularities in the original pipe wall, as applicable.

2. Tube insertion – The wet out tube shall be inverted into the pipeline using as defined within relevant ASTM standards previously stipulated. The tube should be inverted through an approved access point and fully extend to the next designated termination point.

3. Temperature gauges shall be placed between the tube and the host pipe's invert position to monitor the temperatures during the cure cycle.

4. Curing shall be accomplished by utilizing hot water under hydrostatic pressure or steam pressure in accordance with the manufacturer's recommended cure schedule. A cool–down process shall be conducted that complies with the resin manufacturer's specification.

4.2 REINSTATEMENT OF STOPLOG STRUCTURE

A. Contractor will be responsible for all costs and liability associated with Stoplog Structure restoration work.

4.4 INSPECTION

A. CIPP samples shall be prepared for each installation designated by the owner/engineer or approximately 20% of the project's installations. Pipe physical properties will be tested in accordance with ASTM F1216, Section 8, using either method proposed. The flexural properties must meet or exceed the values listed in the table on page 5 of this specification, Table 1 of ASTM F1216 or the values submitted to the Owner/engineer by the contractor for this project's CIPP wall design, whichever is greater.

B. Wall thickness of samples shall be determined in a manner consistent with 8.1.2 of ASTM D5813. The minimum wall thickness at any point shall not be less than 87.5% of the specified design thickness calculated in 3.1.F of this document.

C. CIPP installation may be inspected visually if appropriate, or by closed–circuit television. Variations from true line and grade may be inherent because of the conditions of the original piping. No infiltration of groundwater should be observed. All service entrances should be accounted for and be unobstructed.

4.5 CLEAN–UP

A. Upon acceptance of the installation work and testing, the Contractor shall restore the project area affected by the operations to a condition at least equal to that existing prior to the work.

4.6 Seeding, Mulching and Fertilizing
A. Contractor shall seed and mulch all areas disturbed by construction activities.

olsson
601 P Street, Suite 200
P.O. Box 84608
Lincoln, NE 68508
TEL 402.474.6311
www.olsson.com

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION
June 29, 2020
DATE PRINTED
OLSSON

REV. NO.	DATE	REVISIONS DESCRIPTION

REVISIONS

PINE LAKE STORMWATER PIPE REPAIR

PINE LAKE DAM REPAIRS

2020

LINCOLN, NE

drawn by: JLM
checked by:
approved by:
QA/QC by:
project no.: 020-1282
drawing no.: SIT01_0201282.DWG
date: 6/29/2020

SHEET
G1.2

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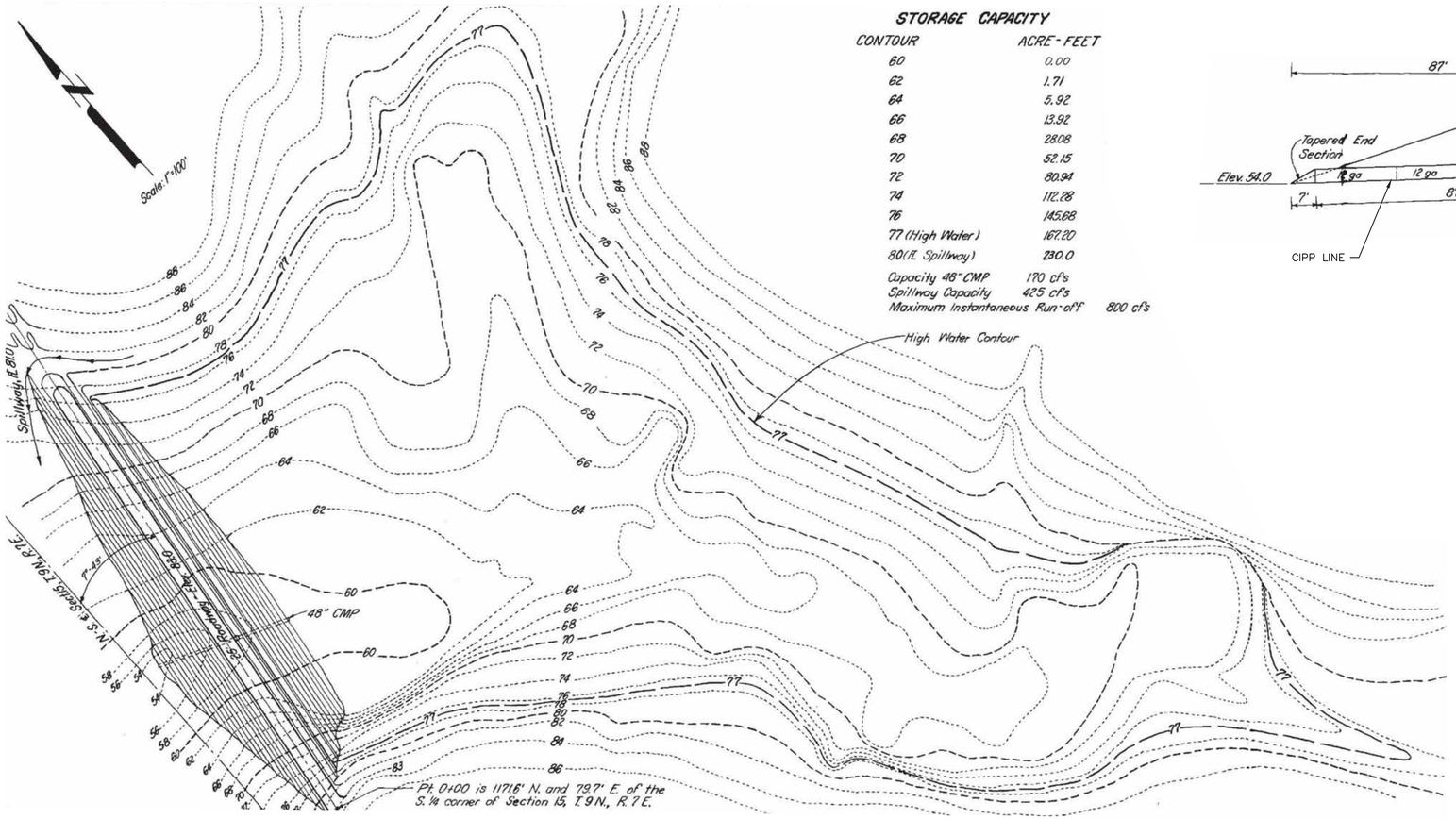
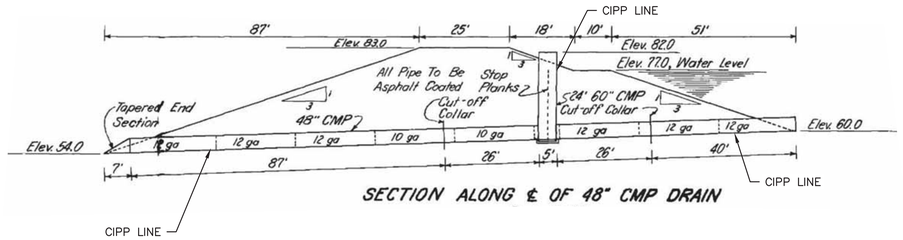


STORAGE CAPACITY

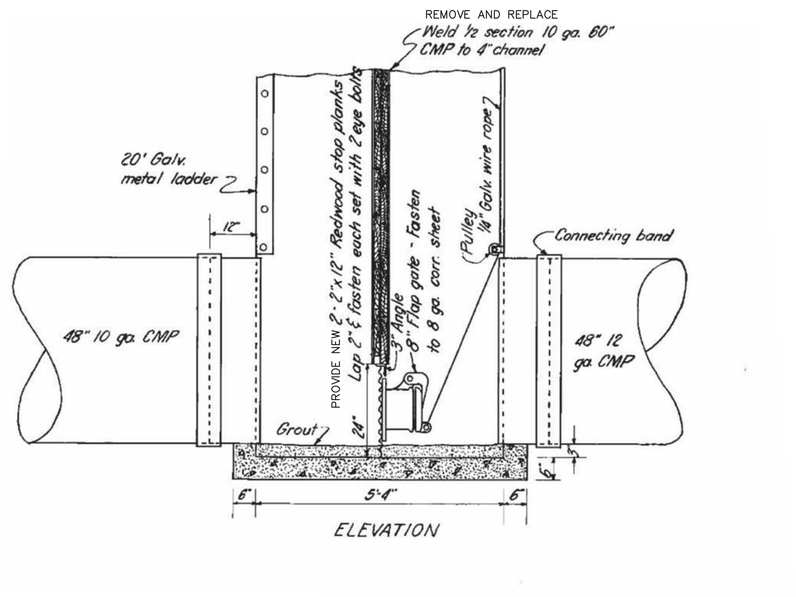
CONTOUR	ACRE-FEET
60	0.00
62	1.71
64	5.92
66	13.92
68	28.08
70	52.15
72	80.94
74	112.28
76	145.88
77 (High Water)	167.20
80 (E. Spillway)	230.0

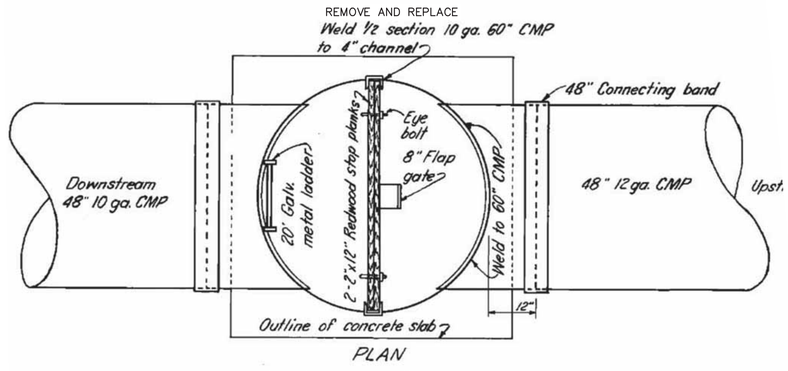
Capacity 48" CMP 170 cf's
Spillway Capacity 425 cf's
Maximum Instantaneous Run-off 800 cf's

High Water Contour



SECTION ALONG ℄ OF 48" CMP DRAIN





60" CMP RISER DETAILS

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P.O. Box 84608
Lincoln, NE 68508
TEL 402.474.6311
www.olsson.com

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION
June 29, 2020
DATE PRINTED
OLSSON

REV. NO.	DATE	REVISIONS DESCRIPTION
		REVISIONS

EXISTING PLAN

PINE LAKE DAM REPAIRS

LINCOLN, NE

2020

drawn by: JLM
checked by:
approved by:
QA/QC by:
project no.: 020-1282
drawing no.: EXC01_0201282.DWG
date: 6/29/2020

SHEET
E1.1

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DATE: Jun 29, 2020 1:22pm XREFS: W_PTBLK_0201282

P.O. Box 37
Moorhead, MN 56561-0037

SUBSURFACE, INC
Drainage Structure Maintenance & Repair

Phone (218) 227-5963
Fax (218) 477-3949
Email: gary@subsurface-inc.com

October 14th, 2020

Pine Lake HOA
Lincoln, NE

RE: Pine Lake Dam

Dear HOA

Subsurface, Inc. is pleased to quote you the following for lining the 48" outfall line in the dike from the control structure to the outlet. Our price includes the following:

Mobilization	$10,000
Remove 48" flared end Reinstall new 48" flared end	$ 3,750
Clean pipe culvert	$ 4,900
Install Omega UV-Cured 48 inch Liner. 113 LF @ $526.82 per LF (160% of flow)	$59,530
Total	$78,180.00

Respectfully submitted,

Ken Moulds
Subsurface, Inc.

SEDIMENT VOLUMES	
	TOTAL CUBIC YARDS
PINE LAKE RESERVOIR (BOTTOM ELEV 1317)	34,050
WEST SEDIMENT BASIN (BOTTOM ELEV 1325)	65
EAST SEDIMENT BASIN (BOTTOM ELEV 1325)	170

N

0' 50' 100' 200'
SCALE IN FEET

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Lincoln, NE 68508
TEL 402.474.6311
www.olsson.com

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION

PINE LAKE PROPOSED GRADING

PINE LAKE DREDGE

LINCOLN, NEBRASKA

2020

drawn by: JLM
checked by:
approved by:
QA/QC by:
project no.: 020-1282
drawing no.: M:\GRD01_0201282.DWG
date: 7/15/2020

SHEET
1 of 1

DWG: F:\2020\1001-1500\020-1282\40-Design\AutoCAD\Final Plans\Sheets\WTRS\W_GRD01_0201282.dwg USER: jmclaughlin
DATE: Jul 15, 2020 6:16pm XREFS:

CITY OF WEEPING WATER
P.O. BOX 329
WEEPING WATER, NE 68463
402-267-5152
clerk@weepingwater.org

B.

September 23, 2020

Mr. Paul Zillig
Lower Platte South NRD
3125 Portia Street
Lincoln, NE 68521

Weeping Water – Gospel Run Bank Stabilization Work – Construction 50% Cost Share

Dear Mr. Zillig,

The City of Weeping Water appreciates the funding assistance that the Lower Platte South NRD (LPSNRD) has provided for the engineering design services on our Gospel Run bank stabilization work. At this time, the City of Weeping Water is requesting additional funding through the Community Assistance Program.

The requested funding is for a 50% cost split for the construction of channel bank stabilization along Gospel Run. The project was put out to bid on August 7, 2020 and five bids were opened on August 28, 2020. General Excavating was the lowest bidder at $145,263.00. Olsson has recommended awarding the project to General Excavating and the City of Weeping Water agrees. Refer to the attached recommendation of award and bid tabs for more details.

Olsson will be providing construction administration and observation for this project and has submitted a fee of $10,000 for performing those services. The City of Weeping Water would ask to have a 50% cost share of those fees also. In total, the City of Weeping Water is requesting $77,631.50 from the LPSNRD for 50% of the construction and construction services. Please review this request and let us know if this amount will be approved through the Community Assistance Program.

Sincerely,

Michael Barrett, Mayor

cc: File, Travis Figard (Olsson), Linda Fleming (City of Weeping Water)

Community Assistance Request - Weeping Water, Gospel Run Bank Stabilization Project

Map By: Lower Platte South NRD, sdr - October 2020

September 3, 2020

City of Weeping Water
Attn: Michael Barrett
101 W Eldora Avenue, P.O. Box 329
Weeping Water, Nebraska 68463

Re: Recommendation of Award
Gospel Run Bank Stabilization Project
Weeping Water, Nebraska – 2020
Olsson Project Number 018-3326

Dear Mr. Barrett:

Bids for the above referenced projects were received and opened on August 28, 2020. A total of five (5) bids were submitted for the project as follows:

Bidder	Total Base Bid
Gana Trucking & Excavating	$170,156.45 *
ME Collins Contracting Co., Inc.	$203,200.00
General Excavating	$145,263.00
T.J. Osborn Construction, Inc.	$240,679.50
H.R. Bookstroom Construction Inc.	$256,019.00

*there was a $0.45 error on their bid.

The engineer's opinion of probable construction costs for the project was $176,694.00. The low bid in the amount of $145,263.00 was submitted by General Excavating, Inc. of Lincoln, Nebraska.

Since General Excavating has been deemed a responsive and responsible bidder, it is our recommendation that they should be awarded the contract in the amount of $145,263.00.

Please do not hesitate to call me at 402-458-5917 with any questions or comments.

Sincerely,

Travis A Figard

Travis A Figard, PE, CFM

Attachments – Bid Tabulation

cc: file

F:\2018\3001-3500\018-3326\50-Bidding\Bid List-Bid Tab\Recommendation of Award 2020_09_03.docx

601 P Street / Suite 200 / Lincoln, NE 68508
O 402.474.6311 / olsson.com

BID TABULATION
28-Aug-2020 Proj. #018-3326
2:00 p.m. Page 1 of 1

GOSPEL RUN BANK STABILZATION
WEEPING WATER, NE - 2020

olsson

CONTRACTOR				Engineer's Estimate Lincoln, Nebraska		Gana Lincoln, Nebraska		ME Collins Lincoln, Nebraska		General Excavating Lincoln, Nebraska		TJ Obsorn Lincoln, Nebraska		H R Bookstrom Construction Inc Lincoln, Nebraska	
Item No.	**ITEM**	**UNIT**	**QTY.**	**Unit Price**	**Extension**	**Unit Price**	**Extension**	**Unit Price**	**Extension**	**Unit Price**	**Extension**	**Unit Price**	**Extension**	**Unit Price**	**Extension**
1	Mobilization/Demobilization	LS	1	$15,000.00	$15,000.00	$11,751.00	$11,751.00	$10,500.00	$10,500.00	$13,000.00	$13,000.00	$10,000.00	$10,000.00	$20,000.00	$20,000.00
2	General Clearing and Grubbing	LS	1	$15,000.00	$15,000.00	$5,823.00	$5,823.00	$17,540.00	$17,540.00	$5,000.00	$5,000.00	$20,000.00	$20,000.00	$75,000.00	$75,000.00
3	Construction Staking	LS	1	$15,000.00	$15,000.00	$16,500.00	$16,500.00	$5,050.00	$5,050.00	$3,400.00	$3,400.00	$2,500.00	$2,500.00	$6,600.00	$6,600.00
4	Construction Entrance	EA	1	$2,500.00	$2,500.00	$2,220.00	$2,220.00	$1,000.00	$1,000.00	$2,500.00	$2,500.00	$1,500.00	$1,500.00	$2,000.00	$2,000.00
5	Traffic Control	EA	1	$7,500.00	$7,500.00	$1,054.00	$1,054.00	$8,410.00	$8,410.00	$2,500.00	$2,500.00	$4,000.00	$4,000.00	$15,000.00	$15,000.00
6	Spoil Material	CY	460	$25.00	$11,500.00	$54.86	$25,235.60	$14.70	$6,762.00	$22.00	$10,120.00	$20.00	$9,200.00	$20.00	$9,200.00
7	Riprap Type B	TN	50	$75.00	$3,750.00	$68.12	$3,406.00	$98.00	$4,900.00	$140.00	$7,000.00	$85.00	$4,250.00	$100.00	$5,000.00
8	Type A Gabion, 6'x3'x3'	CY	14	$400.00	$5,600.00	$394.00	$5,516.00	$635.00	$8,890.00	$300.00	$4,200.00	$725.00	$10,150.00	$616.00	$8,624.00
9	Type B Gabion, 9'x3'x3'	CY	45	$400.00	$18,000.00	$394.00	$17,730.00	$611.00	$27,495.00	$380.00	$17,100.00	$725.00	$32,625.00	$472.00	$21,240.00
10	Type C Gabion, 12'x3'x3'	CY	172	$400.00	$68,800.00	$394.00	$67,768.00	$551.00	$94,772.00	$395.00	$67,940.00	$725.00	$124,700.00	$400.00	$68,800.00
11	Type D Gabion, 6'x3'x1.5'	CY	3	$400.00	$1,200.00	$394.00	$1,182.00	$644.00	$1,932.00	$305.00	$915.00	$725.00	$2,175.00	$1,085.00	$3,255.00
12	Type E Gabion, 9'x3'x1.5'	CY	12	$400.00	$4,800.00	$394.00	$4,728.00	$582.00	$6,984.00	$300.00	$3,600.00	$725.00	$8,700.00	$794.00	$9,528.00
13	Type F Gabion, 12'x3'x1.5'	CY	12	$400.00	$4,800.00	$394.00	$4,728.00	$582.00	$6,984.00	$335.00	$4,020.00	$725.00	$8,700.00	$652.00	$7,824.00
14	12" Temporary Ditch Wattles	LF	27	$25.00	$675.00	$8.00	$216.00	$8.00	$216.00	$16.00	$432.00	$10.00	$270.00	$14.00	$378.00
15	Erosion Control Blanket C125	SY	317	$7.00	$2,219.00	$2.55	$808.35	$4.00	$1,268.00	$8.00	$2,536.00	$3.50	$1,109.50	$10.00	$3,170.00
16	Seeding	AC	0.10	$3,500.00	$350.00	$14,905.00	$1,490.50	$5,000.00	$500.00	$10,000.00	$1,000.00	$8,000.00	$800.00	$4,000.00	$400.00
	TOTAL BASE BID:				**$176,694.00**		**$170,156.45**		**$203,203.00**		**$145,263.00**		**$240,679.50**		**$256,019.00**
	Substantially Complete On or Before:			October 31, 2020		October 31, 2020		December 31, 2020		October 31, 2020		October 31, 2020		April 1, 2021	
	Complete and Ready for Final Payment On or Before:			December 1, 2002		December 1, 2002		April 15, 2021		December 1, 2020		December 1, 2020		April 1, 2021	
	Addendas					Yes		Yes		Yes		Yes		Yes	
	Bid Guarantee:					Yes		Yes		Yes		Yes		Yes	
	Remarks:					There was a math error of $0.45 of the bid. $170,156.45 is the correct total		Changed the completion date						Changed the completion date	

LETTER AGREEMENT
AMENDMENT #1

Date: September 23, 2020

This AMENDMENT ("Amendment") shall amend and become a part of the Letter Agreement for Professional Services dated September 25, 2018 between City of Weeping Water ("Client") and Olsson, Inc. ("Olsson") providing for professional services for the following Project (the "Agreement"):

PROJECT DESCRIPTION AND LOCATION

Project is located at: Gospel Run Bank Stabilization Project between H Street and G Street

Project Description: Construction Administration and Observation

SCOPE OF SERVICES

Client and Olsson hereby agree that Olsson's Scope of Services under the Agreement is amended by adding the services specifically described below for the additional compensation set forth below:

CONSTRUCTION SERVICES

Phase 600 – Construction Phase Services

Task 601 - Construction Administration
Olsson shall perform the following construction administration services:

- Conduct a pre-construction meeting. Olsson will prepare and distribute minutes of the meeting.
- Receive, log and review contractor submittals (i.e. shop drawings, cut sheets).
- Review contractor pay applications.
- Answer contractors' questions and interpret construction documents. Questions and interpretations will be answered with a written Request for Information (RFI) or similar process.

Task 602 – Construction Observation
Olsson will conduct 8 to 16 (one to two days per week for eight weeks) site visits to observe construction activities. Olsson will prepare and distribute field reports on a bi-weekly basis.

Task 603 – Project Close Out
Olsson will conduct a final walkthrough of the project. A "punch list" of deficiencies will be prepared and distributed.

Task 604 - Record Drawings
Olsson will prepare record drawings, based on contractors' "red lines." A PDF version of the record drawings will be submitted to the Client.

Task 605 – Warranty Walk-through
Olsson will conduct a Warranty walk-through with the Client and contractor(s) to remedy deficiencies prior to the expiration of the warranty period. A "punch list" of deficiencies will be prepared and distributed.

Time and expense basis anticipated fee - $10,000

Total anticipate fee for all phases - $10,000

SCHEDULE FOR OLSSON'S SERVICES

Unless otherwise agreed, Olsson expects to perform its services covered by this Amendment as follows:

Anticipated Start Date: September 1, 2020
Anticipated Completion Date: May 1, 2021

Olsson will endeavor to start its services on the Anticipated Start Date and to complete its services on the Anticipated Completion Date. However, the Anticipated Start Date, the Anticipated Completion Date, and any milestone dates are approximate only, and Olsson reserves the right to adjust its schedule and any or all of those dates at its sole discretion, for any reason, including, but not limited to, delays caused by Client or delays caused by third parties.

COMPENSATION
For the additional Scope of Services specifically set forth in this Amendment, Client shall pay Olsson the following fee in addition to the fee(s) set forth in the Agreement:

Client shall pay to Olsson for the performance of the Scope of Services, the actual time of personnel performing such services on an hourly cost basis times a factor of 3.085 for services rendered by our principals and employees engaged directly on the Project, and all actual reimbursable expenses in accordance with Reimbursable Expense Schedule attached to this Agreement. Olsson shall submit invoices on a monthly basis and payment is due within 30 calendar days of invoice date.

If applicable: Olsson's Scope of Services will be provided on a time and expense basis not to exceed $10,000.

TERMS AND CONDITIONS OF SERVICE

All provisions of the original Agreement not specifically amended herein shall remain unchanged.

If this Contract Amendment satisfactorily sets forth your understanding of our agreement, please sign in the space provided below. Retain a copy for your files and return an executed original to Olsson. This proposal will be open for acceptance for a period of 30 days from the date set forth above, unless changed by us in writing.,

OLSSON, INC.

By Travis A Figard

Travis A. Figard, PE

By Brian P. Dunnigan

Brian P. Dunnigan, PE

By signing below, you acknowledge that you have full authority to bind Client to the terms of this Amendment. If you accept this Amendment, please sign:

CITY OF WEEPING WATER

By _____
Signature

Printed Name Michael Barrett

Title Mayor

Dated: 9-24-20

GOSPEL RUN BANK STABILIZATION

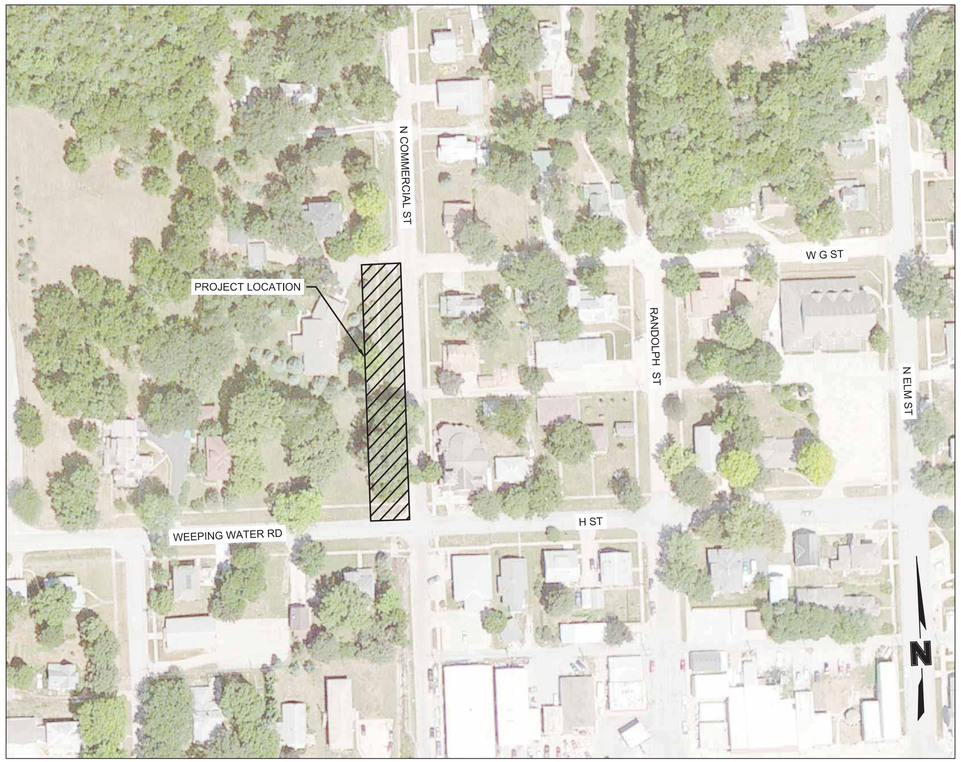
WEEPING WATER, NEBRASKA 2020

PROJECT TEAM & UTILITY CONTACT LIST

OWNER
CITY OF WEEPING WATER
203 WEST ELDORA
PO BOX 329
WEEPING WATER, NE 68563-0329
CONTACT: MIKE BARRETT
PHONE: 402.267.5152

ENGINEER
OLSSON
601 P STREET
SUITE 200
LINCOLN, NE 68508
CONTACT: TRAVIS FIGARD P.E.
PHONE: 402.458.5917

REGULATORY AGENCY
NEBRASKA DEPARTMENT OF
ENVIRONMENTAL QUALITY (NDEQ)
1200 'N' STREET, SUITE 400
PO BOX 98922
LINCOLN, NE 68509
PHONE: 402.471.2186



VICINITY MAP
NOT TO SCALE

INDEX OF DRAWINGS

BENCHMARKS

BM #1
TAIL OF ARROW ON FIRE HYDRANT, NE CORNER OF WEST 'H' STREET AND NORTH COMMERCIAL STREET.
ELEV. = 1188.77-FT (NAVD 1988)

BM#2
TAIL OF ARROW ON FIRE HYDRANT, SE CORNER OF WEST 'F' STREET AND NORTH COMMERCIAL STREET.
ELEV. = 1098.89 (NAVD 1988)

BM #3
CHISELED SQUARE ON TOP OF CURB, EAST SIDE OF NORTH COMMERCIAL STREET, NORTH SIDE OF GRATED CURB INLET, NORTH OF WEST 'F' STREET.
ELEV. = 1101.93-FT (NAVD 1988)

BM#2
TAIL OF ARROW ON FIRE HYDRANT, NW CORNER OF WEST 'E' STREET AND NORTH RANDOLPH STREET.
ELEV. = 1111.38 (NAVD 1988)

CONTROL POINTS

CP #200
1/2" REBAR
ELEV. = 1095.61-FT
N: 5877.17
E: 4707.35

CP #201
1/2" REBAR
ELEV. = 1096.17-FT
N: 5939.19
E: 4707.60

CP #202
3/4" REBAR
ELEV. = 1102.41-FT
N: 6114.87
E: 4698.25

PRIOR TO CONSTRUCTION:

CALL : 1-800-331-5666 OR 811 FOR LOCATION OF UNDERGROUND TELEPHONE, ELECTRIC, GAS MAINS, CABLEVISION AND CITY OF LINCOLN UTILITIES.
NOTE: EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND DRAINAGE STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL CONTRACTORS TO EXACTLY LOCATE AND PROTECT EACH EXISTING UTILITY BEFORE AND DURING ACTUAL CONSTRUCTION.

netcall.com Nebraska 811 Know what's below. Call before you dig.

olsson
601 P Street, Suite 200
P.O. Box 84608
Lincoln, NE 68508
TEL 402.474.6311
www.olsson.com

PROFESSIONAL CIVIL ENGINEER
TRAVIS A. FIGARD
E-12019
8/7/20
STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION

COVER SHEET

GOSPEL RUN BANK STABILIZATION
PHASE OR ADDITION

WEEPING WATER, NEBRASKA

2020

drawn by: JLM
checked by: TAF
approved by: TAF
QA/QC by: TAF
project no.: 018-3326
drawing no.: W_COV_183326.dwg
date: 8/7/20

SHEET
1.1 of 1.9

DWG: F:\2018\3001-3500\018-3326\40-Design\AutoCAD\Final Plans\Sheets\WTRS\DWG\W_COV_183326.dwg USER: jmclaughlin
DATE: Aug 07, 2020 3:03pm XREFS: w_tbk_183326 TRAVIS_FIGARD_PE_NE

GENERAL:

THIS SEDIMENT AND EROSION CONTROL PLAN IS INTENDED AS A GENERAL GUIDE FOR IMPLEMENTING EROSION CONTROL MEASURES FOR THE CITY OF WEEPING WATER, GOSPEL RUN BANK STABILIZATION PROJECT. SUGGESTED PRACTICES, STRUCTURES, AND MEASURES SHOWN HERE ARE NOT NECESSARILY ALL–INCLUSIVE. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE NPDES GENERAL PERMIT NER110000 AND ANY APPLICABLE CITY, DNR, AND EPA REGULATIONS AND GUIDELINES. THIS SEDIMENT AND EROSION CONTROL PLAN IS TO BE FOLLOWED IN CONJUNCTION WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND PROJECT SPECIFICATIONS.

PROJECT DESCRIPTION:

THIS PROJECT INCLUDES THE CHANNEL STABILIZATION ALONG GOSPEL RUN, INCLUDING AROUND 290' ALONG COMMERCIAL STREET.

EXISTING SITE CONDITIONS:

CONSTRUCTION OF THE PROJECT WILL TAKE PLACE WITHIN THE RIGHT–OF–WAY. THE EXISTING AREAS CONSIST OF LOW MAINTENANCE GRASSES.

SUPPLEMENTAL NOTES:

1. CONTRACTOR SHALL CLEAN VEHICLES AND EQUIPMENT BEFORE EXITING THE CONSTRUCTION SITE TO PREVENT NEGATIVE IMPACTS TO ADJACENT ROADS. CONTRACTOR SHALL CLEAN ANY CONSTRUCTION–RELATED SEDIMENT OR DEBRIS FROM NEIGHBORING STREETS ON A DAILY BASIS, OR IMMEDIATELY AFTER SIGNIFICANT BUILD UP.
2. A CONSTRUCTION ENTRANCE IN ACCORDANCE WITH DETAILS SHALL BE INSTALLED AT EACH STAGING AREA AND AT ANY POINT ALONG THE ALIGNMENT WHERE VEHICLES AND EQUIPMENT ARE EXPECTED TO EXIT THE CONSTRUCTION SITE ON A ROUTINE BASIS.
3. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT PRACTICES WILL BE CONSTRUCTED AND MAINTAINED TO THE MINIMUM STANDARDS AND SPECIFICATIONS OF NEBRASKA'S STATEWIDE URBAN DESIGN AND SPECIFICATIONS PROGRAM, SUDAS STANDARD SPECIFICATIONS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE SEDIMENT CONTROL MEASURES UNTIL PERMANENT STABILIZATION IS ESTABLISHED.
5. FOLLOWING SOIL DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS TO THE SURFACE OF ALL PERIMETER CONTROLS, TOPSOIL STOCKPILES, AND ANY OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE WHICH ARE NOT BEING USED FOR MATERIAL STORAGE, OR ON WHICH ACTUAL EARTH MOVING ACTIVITIES ARE NOT BEING PERFORMED.
6. ALL SEDIMENT OR EROSION CONTROL PRACTICES REQUIRED UNDER THIS CONTRACT SHALL BE INSPECTED BY CONTRACTOR AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24–HOUR PERIOD BY RESPONSIBLE PERSONNEL. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE BEST MANAGEMENT PRACTICES SHALL BE MADE BY CONTRACTOR IMMEDIATELY. AFTER EACH INSPECTION, AN INSPECTION REPORT SHALL BE COMPLETED BY THE CONTRACTOR AND PLACED IN THE SWPPP.
7. ALL DEWATERING OPERATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. ALL DISCHARGE WATER SHALL BE DIRECTED INTO AN APPROVED SILT TRAPPING DEVICE AND SHALL BE FREE OF ANY SUBSTANCE THAT MAY BE HARMFUL TO AQUATIC LIFE.
8. ANY ON–SITE FUELING WILL COMPLY WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS
9. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
10. INSPECTION AND MAINTENANCE OF EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH STORM WATER POLLUTION PREVENTION PLAN
11. TEMPORARY SEEDING SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND DUST CONTROL. ANY DAMAGE FROM BLOWING DUST OR EROSION AND RUNOFF FROM THE SITE SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
13. CONTRACTOR IS RESPONSIBLE FOR OBTAINING PROPER NPDES PERMITS ON ALL BORROW SITES.

CONSTRUCTION NOTES:

CONTRACTOR SHALL SUPPLY AND MAINTAIN SANITATION FACILITIES AND TRASH DUMPSTERS AT THE CONSTRUCTION SITE.

8. SPILL CONTAINMENT AND CLEAN–UP MATERIALS SHOULD BE READILY AVAILABLE AT EACH OF THE STAGING AREAS. SPILLS OF HAZARDOUS MATERIALS SHALL BE CONTAINED AND CLEANED UP IMMEDIATELY. ANY CONTAMINATED SOILS OR MATERIALS SHALL BE REMOVED AND TREATED OR DISPOSED OF (AS APPROPRIATE) IN ACCORDANCE WITH NDEQ AND EPA GUIDELINES.
3. CONCRETE TRUCKS SHALL BE CLEANED OUT IN AREAS DESIGNATED BY THE CONTRACTOR. CLEANOUT AREAS SHALL INCLUDE A CONTAINMENT DEVICE THAT WILL PREVENT CONCRETE MATERIALS FROM BECOMING A SOURCE OF STORM WATER POLLUTION.
4. CONTRACTOR SHALL INSTALL A PROJECT INFORMATION SIGN NEAR THE SITE ENTRANCE. SIGN MUST BE ACCESSIBLE/VIEWABLE TO THE GENERAL PUBLIC BUT NOT AN OBSTRUCTION TO SITE TRIANGLES OR VIEWS, AS TO CAUSE A SAFETY HAZARD. PROJECT INFORMATION TO BE ON THE SIGN INCLUDES THE NOI, NPDES PERMIT AUTHORIZATION AND CONSTRUCTION SITE NOTICE.

CONSTRUCTION NOTES

1. CONTRACTOR TO COORDINATE CONSTRUCTION WITH APPROPRIATE UTILITY COMPANIES FOR LOCATION OF AND POSSIBLE RELOCATION OF UTILITIES. DIAL BEFORE YOU DIG. CALL 1–800–331–5666 FOR LOCATION OF UNDERGROUND TELEPHONE, ELECTRIC, GAS MAINS, AND FIBER OPTIC UTILITIES.
2. ALL WORK SHALL BE PERFORMED WITHIN THE LIMITS OF CONSTRUCTION. CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THESE LIMITS.
3. LOCATE AND PRESERVE ALL PROJECT CONTROL POINTS.
4. STOCKPILE TOPSOIL SUFFICIENT TO PLACE 6" OF TOPSOIL ON AREAS WHICH HAVE BEEN DISTURBED.
5. CONTRACTOR TO INSTALL CONSTRUCTION SEDIMENT AND EROSION CONTROL MEASURES AT START OF CONSTRUCTION AND MAINTAIN THROUGHOUT THE COMPLETION OF THE PROJECT. SEE SHEET 1.8.
6. CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM SEWERS, SURFACES, FACILITIES, TREES, SIGNS AND RELATED PROPERTY WHICH ARE NOT SCHEDULED FOR REMOVAL. REPAIR ALL DAMAGED PROPERTY AT NO COST TO OWNER.
7. CONTRACTOR SHALL MANAGE ALL WATER AND CHANNEL FLOWS DURING CONSTRUCTION OPERATIONS. MAINTAIN EXCAVATIONS AND SUBGRADES SUFFICIENTLY FREE OF WATER TO ALLOW PROPER CONSTRUCTION OF WORK ITEMS. PROVIDE, OPERATE, AND MAINTAIN PUMPING EQUIPMENT AS NECESSARY.
8. SEED AND MULCH ALL VEGETATION AREAS DISTURBED BY CONSTRUCTION OPERATIONS.
9. CONTRACTOR COORDINATE WITH, AND COMPLY WITH ALL REQUIREMENTS OF, THE CITY OF WEEPING WATER FOR TEMPORARY TRAFFIC CONTROL DEVICES AND ACCESS FROM THE CITY STREET SYSTEM FOR THE PROJECT.

CONSTRUCTION SEQUENCING:

1. INSTALL ALL CONSTRUCTION ENTRANCES AS REQUIRED.
2. INSTALL ALL PERIMETER CONTROLS AND MAINTAIN UNTIL FINAL SITE STABILIZATION IS ACHIEVED.
3. STABILIZE CONSTRUCTION STAGING AREAS.
4. PROCEED WITH CONSTRUCTION OF CHANNEL IMPROVEMENTS.
5. ANY PERIMETER CONTROLS THAT MUST BE REMOVED DURING THE CONSTRUCTION SHALL BE REINSTALLED AT THE END OF EACH WORK DAY.
6. TO THE EXTENT POSSIBLE, THE PROJECT SHALL BE COMPLETED IN SEGMENTS. EACH SEGMENT OF PROJECT SHALL BE COMPLETED, BACKFILLED, SEEDED AND MULCHED, AND ANY OTHER SPECIFIED EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO PROCEEDING WITH THE NEXT SEGMENT OF WATER MAIN CONSTRUCTION.
7. IN ALL CASES, THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS FOR EACH SEGMENT WITHIN SEVEN (7) CALENDAR DAYS OF COMPLETION OF CONSTRUCTION.
8. UPON COMPLETION OF THE ENTIRE PROJECT, ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED, AND ANY OTHER SPECIFIED EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED.
9. CLEAN UP ANY SEDIMENT DEPOSITS OR CONSTRUCTION DEBRIS IN, ON, OR AROUND SEDIMENT CONTROLS, STORM SEWERS, CULVERTS, DITCHES, CHANNELS, AND ROADS.
10. REMOVE CONSTRUCTION ENTRANCES. SEED AND MULCH DISTURBED AREAS.
11. MAINTAIN SEDIMENT AND EROSION CONTROLS UNTIL FINAL SITE STABILIZATION IS ACHIEVED.
12. AFTER FINAL SITE STABILIZATION IS ACHIEVED, REMOVE AND DISPOSE OF ALL SEDIMENT CONTROLS AND ANY CONTAINED SEDIMENT AS DIRECTED BY THE ENGINEER.
13. SEED AND MULCH AREAS THAT ARE DISTURBED WHILE REMOVING SEDIMENT CONTROLS.
14. A NOTICE OF DISCONTINUATION SHALL BE SUBMITTED TO THE NDEQ, WITHIN 30 DAYS OF FINAL STABILIZATION. FINAL STABILIZATION HAS BEEN ACHIEVED ONCE ALL DISTURBED AREAS HAVE A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% FOR THE AREA AND ALL TEMPORARY SEDIMENT CONTROLS HAVE BEEN REMOVED.

SUMMARY OF QUANTITIES		
MOBILIZATION AND CONSTRUCTION STAKING	LS	1
GENERAL CLEARING AND GRUBBING	LS	1
CONSTRUCTION STAKING	LS	1
CONSTRUCTION ENTRANCE	EA	1
TRAFFIC CONTROL	LS	1
SPOIL MATERIAL	CY	460
TYPE A GABION, 6'x3'x3'	CY	14.0
TYPE B GABION, 9'X3'X3'	CY	45
TYPE C GABION, 12'X3'X3'	CY	172
TYPE D GABION, 6'X3'X1.5'	CY	3
TYPE E GABION, 9'X3'X1.5'	CY	12
TYPE F GABION, 12'X3'X1.5'	CY	12
12" TEMPORARY DITCH WATTLES	LF	27
EROSION CONTROL BLANKET C125	SY	317.0
SEEDING	AC	0.1

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E–12019
8/7/20
STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION

DATA SHEET

GOSPEL RUN BANK STABILIZATION
PHASE OR ADDITION

WEEPING WATER, NEBRASKA

2020

drawn by: JLM
checked by: TAF
approved by: TAF
QA/QC by: TAF
project no.: 018-3326
drawing name: W_NOTES_183326.dwg
date: 8/7/20

SHEET
1.2 of 1.9

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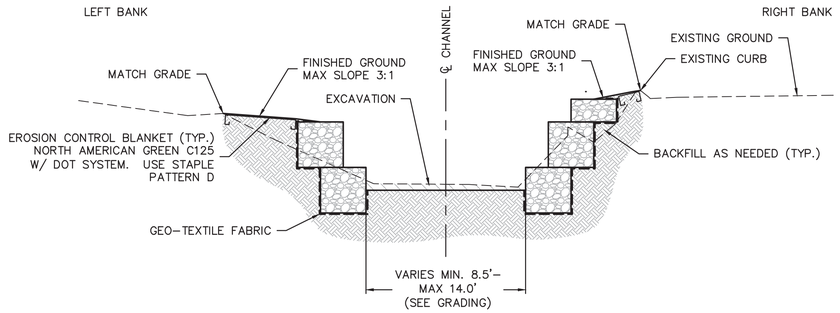
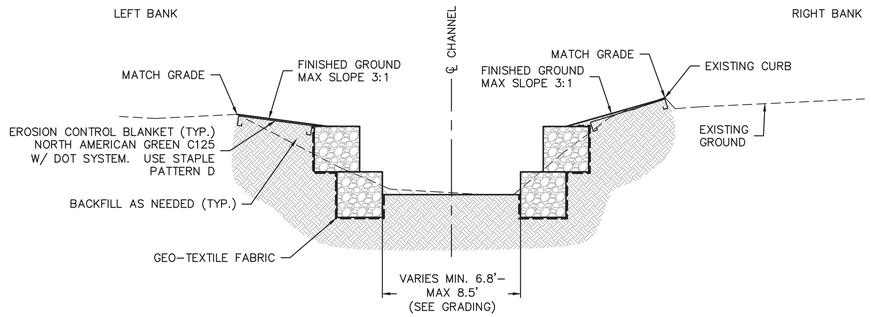


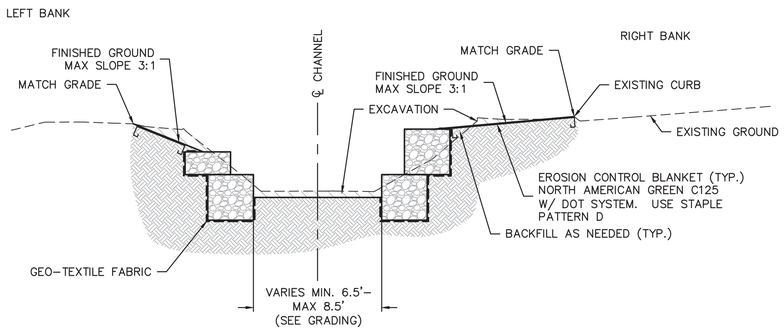
TYPICAL CHANNEL SECTION #1 (N. COMMERCIAL STREET)

SCALE: 1"=5' STA. 0+39.50 - 1+02.06



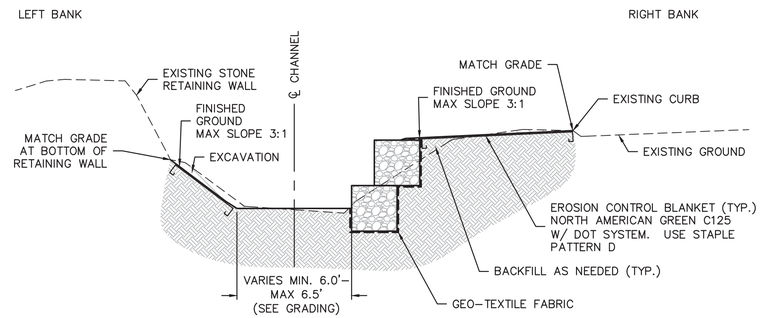
TYPICAL CHANNEL SECTION #2 (N. COMMERCIAL STREET)

SCALE: 1"=5' STA. 1+02.06 - 1+23.33



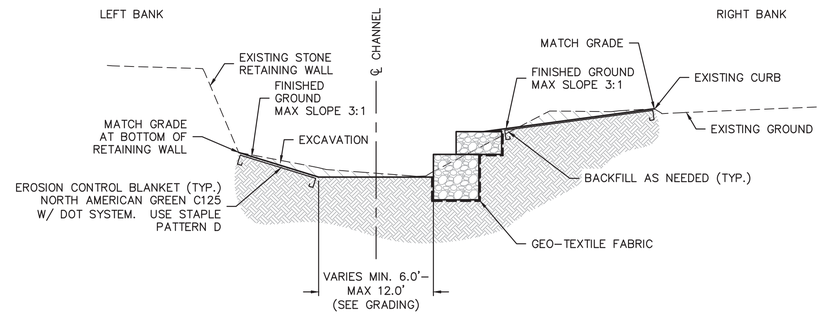
TYPICAL CHANNEL SECTION #3 (N. COMMERCIAL STREET)

SCALE: 1"=5' STA. 1+23.33 - 1+81.00



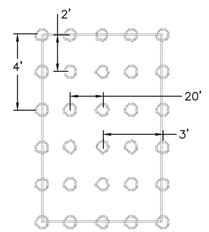
TYPICAL CHANNEL SECTION #4 (N. COMMERCIAL STREET)

SCALE: 1"=5' STA. 1+81.00 - 2+36.74



TYPICAL CHANNEL SECTION #5 (N. COMMERCIAL STREET)

SCALE: 1"=5' STA. 2+36.74 - 3+20.00



3.4 STAPLES PER SQ. YD.

STAPLE PATTERN 'D'

EROSION CONTROL BLANKET NOTES

1. USE NORTH AMERICAN GREEN C125 W/ DOT SYSTEM.
2. INSTALL BLANKET PER MANUFACTURES INSTALLATION SPECIFICATIONS.
3. TRENCH AND ANCHOR BLANKET AT BEGINNING AND TERMINAL ENDS PER MANUFACTURES INSTALLATION SPECIFICATIONS.
4. LAP BLANKET JOINTS PER MANUFACTURES INSTALLATION SPECIFICATIONS.
5. USE STAPLE PATTERN 'D' PER MANUFACTURES DETAIL, SEE THIS SHEET.

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E-12019
8/7/20
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REV. NO. | DATE | REVISIONS DESCRIPTION

REVISIONS

TYPICAL SECTIONS

GOSPEL RUN BANK STABILIZATION
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2020

drawn by: JLM
checked by: TAF
approved by: TAF
QA/QC by: TAF
project no.: 018-3326
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SHEET
1.3 of 1.9

DWG: F:\2018\3001-3500\018-3326\40-Design\AutoCAD\Final Plans\Sheets\WTRS\DWG\W_SEC_183326.dwg USER: jmclaughlin
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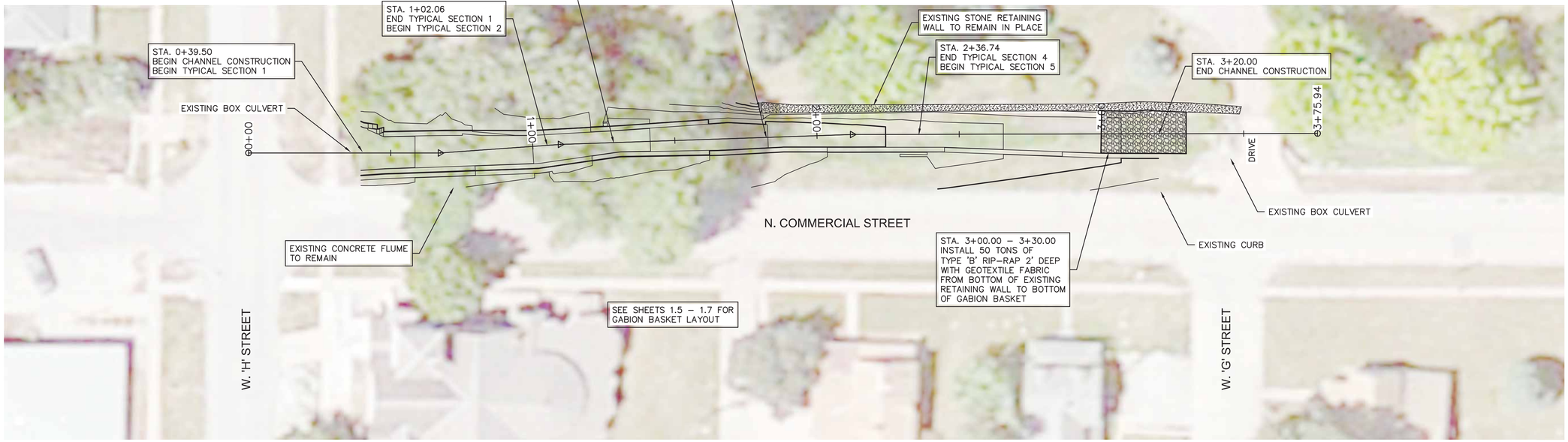


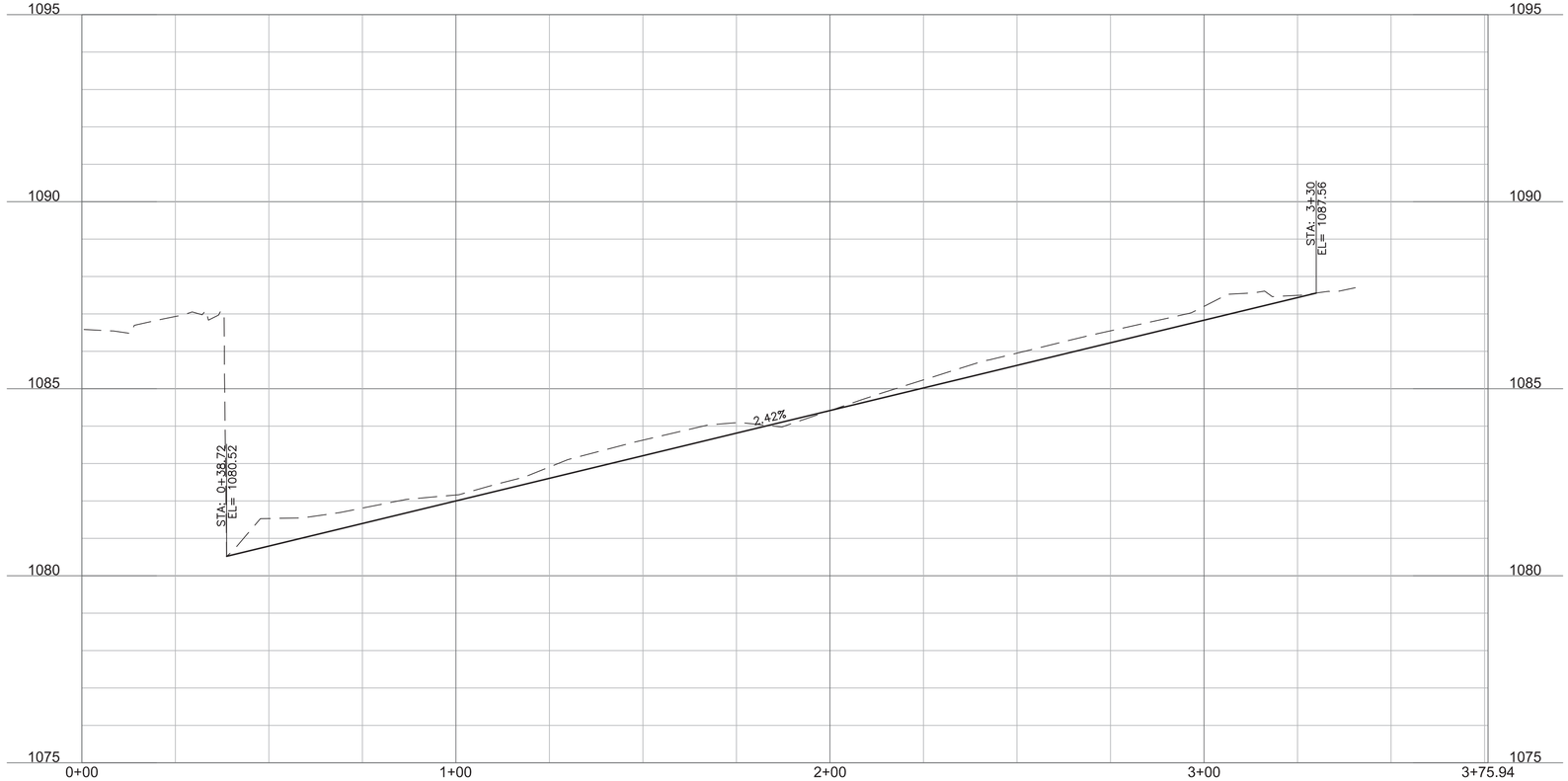
*CONTRACTOR TO FILL VOIDS UNDER EXISTING CONCRETE PADS WITH CONCRETE AND CONSTRUCT CONCRETE TOE WALLS AT THESE LOCATIONS.

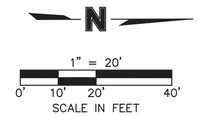
EARTHWORK QUANTITIES
EXCAVATION = 525 CY *
EMBANKMENT = 46 CY *
SPOIL MATERIAL = 460 CY

*FOR INFORMATION ONLY EXCAVATION AND EMBANKMENT SHALL BE CONSIDERED SUBSIDIARY TO GABION CONSTRUCTION.

SPOIL MATERIAL SHALL BE PAID FOR BY THE CY.

NORTH COMMERCIAL CHANNEL PROFILE





SCALE:

1"=5' VERT.
1"=20' HORIZ.

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SHEET
1.4 of 1.9

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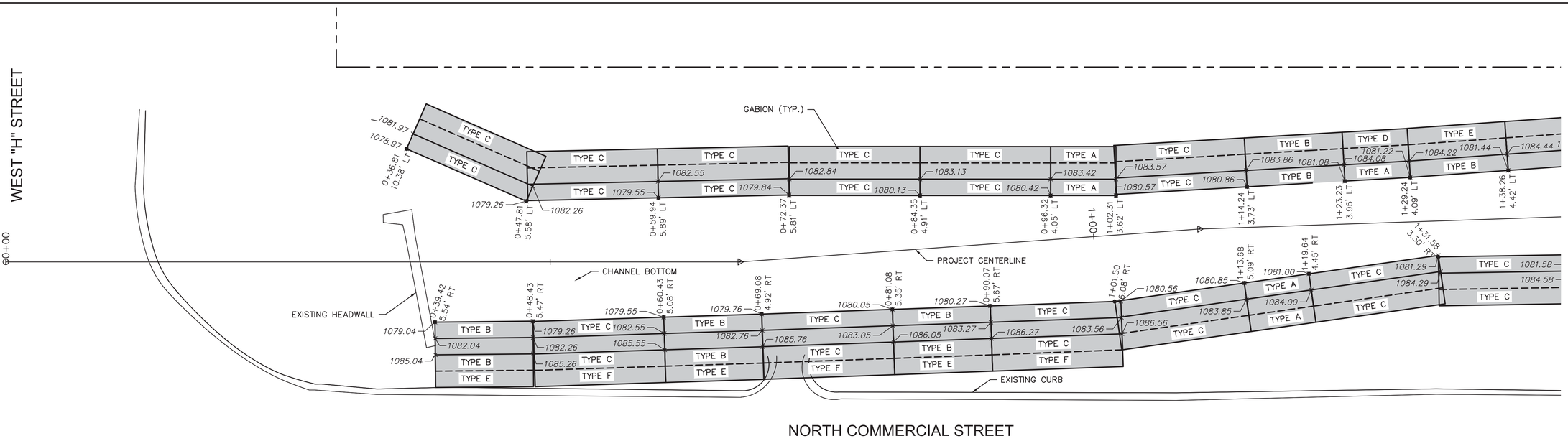
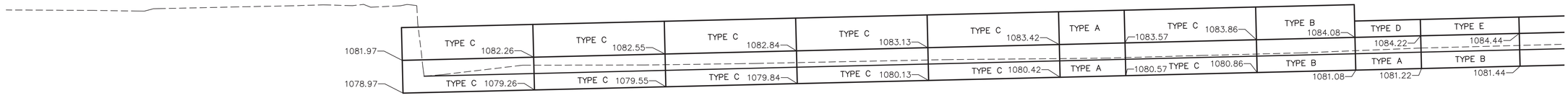
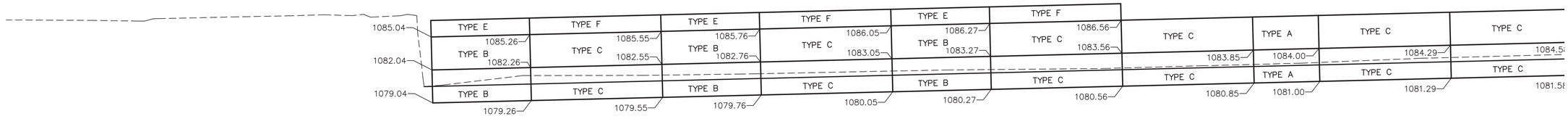
DATE: Aug 07, 2020 3:04pm XREFS: W_TBLK_183326 V_TOPO_183326 W_Phase_183326 TRAVIS_FIGARD_PE_NE 091182_STOPO



PLAN:



PROFILE WEST SIDE N. COMMERCIAL STREET



PROFILE EAST SIDE N. COMMERCIAL STREET

GABION QUANTITY:

(THIS SHEET)

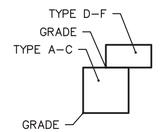
TYPE A: 10 C.Y.
TYPE B: 27 C.Y.
TYPE C: 96 C.Y.
TYPE D: 1 C.Y.
TYPE E: 6 C.Y.
TYPE F: 6 C.Y.

NOTE:

STATION AND OFFSET ARE FROM PROJECT CENTERLINE TO FACE OF GABIONS.

GABION LEGEND:

TYPE A: 6' X 3' X 3'
TYPE B: 9' X 3' X 3'
TYPE C: 12' X 3' X 3'
TYPE D: 6' X 3' X 1.5'
TYPE E: 9' X 3' X 1.5'
TYPE F: 12' X 3' X 1.5'



N

0' 5' 10'
SCALE IN FEET

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PROFESSIONAL CIVIL ENGINEER
TRAVIS A. FIGARD
E-12019
STATE OF NEBRASKA
8/7/20

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION

GABION BASKET LAYOUT PLAN

GOSPEL RUN BANK STABILIZATION PHASE OR ADDITION

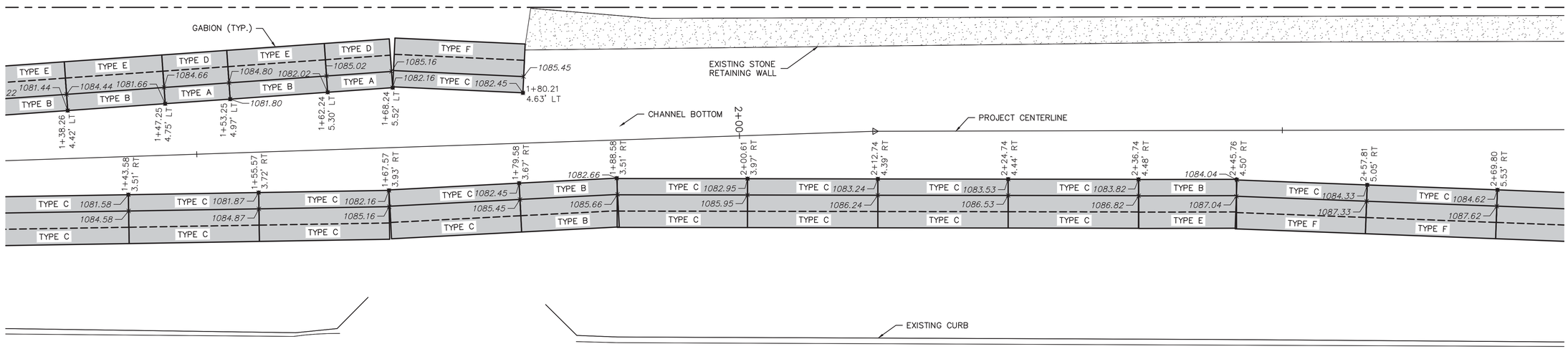
WEEPING WATER, NEBRASKA

2020

drawn by: JLM
checked by: TAF
approved by: TAF
QA/QC by: TAF
project no.: 018-3326
drawing no.: W_SIT_183326.dwg
date: 8/7/20

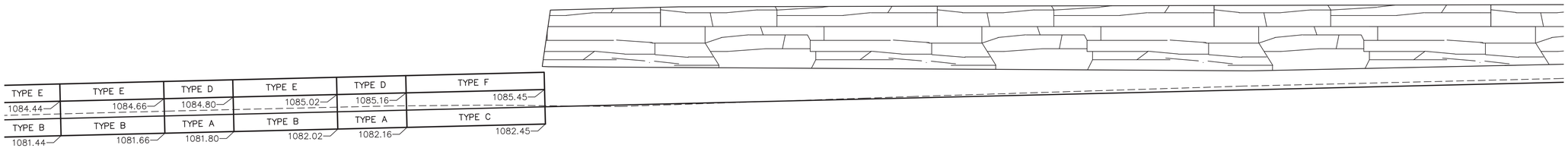
SHEET
1.5 of 1.9

DWG: F:\2018\3001-3500\018-3326\40-Design\AutoCAD\Final Plans\Sheets\WTRS\DWG\W_SIT_183326.dwg USER: jmclaughlin
DATE: Aug 07, 2020 3:04pm XREFS: w_tblk_183326 V_TOPO_183326 091182_STOPO W_PBase_183326 TRAVIS_FIGARD_PE_NE

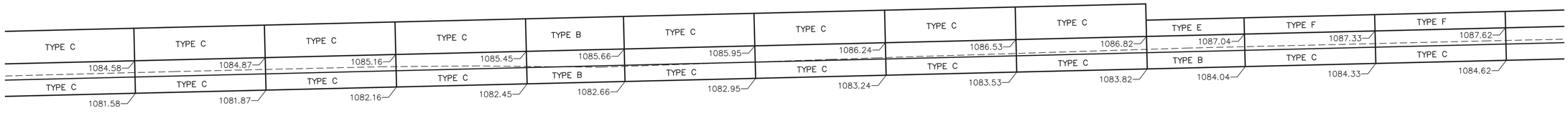


NORTH COMMERCIAL STREET

PLAN:



PROFILE WEST SIDE N. COMMERCIAL STREET



PROFILE EAST SIDE N. COMMERCIAL STREET

GABION QUANTITY:

(THIS SHEET)

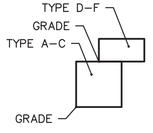
TYPE A: 4 C.Y.
TYPE B: 18 C.Y.
TYPE C: 76 C.Y.
TYPE D: 2 C.Y.
TYPE E: 6 C.Y.
TYPE F: 6 C.Y.

NOTE:

STATION AND OFFSET ARE FROM PROJECT CENTERLINE TO FACE OF GABIONS.

GABION LEGEND:

TYPE A: 6' X 3' X 3'
TYPE B: 9' X 3' X 3'
TYPE C: 12' X 3' X 3'
TYPE D: 6' X 3' X 1.5'
TYPE E: 9' X 3' X 1.5'
TYPE F: 12' X 3' X 1.5'



N

0' 5' 10'
SCALE IN FEET

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PROFESSIONAL CIVIL ENGINEER
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E-12019
STATE OF NEBRASKA
8/7/20

REV. NO.	DATE	REVISIONS DESCRIPTION
		REVISIONS

GABION BASKET LAYOUT PLAN

GOSPEL RUN BANK STABILIZATION PHASE OR ADDITION

WEEPING WATER, NEBRASKA

2020

drawn by: JLM
checked by: TAF
approved by: TAF
QA/QC by: TAF
project no.: 018-3326
drawing no.: W_SIT_183326.dwg
date: 8/7/20

SHEET
1.6 of 1.9

DWG: F:\2018\3001-3500\018-3326\40-Design\AutoCAD\Final Plans\Sheets\WTRS\DWG\W_SIT_183326.dwg USER: jmclaughlin
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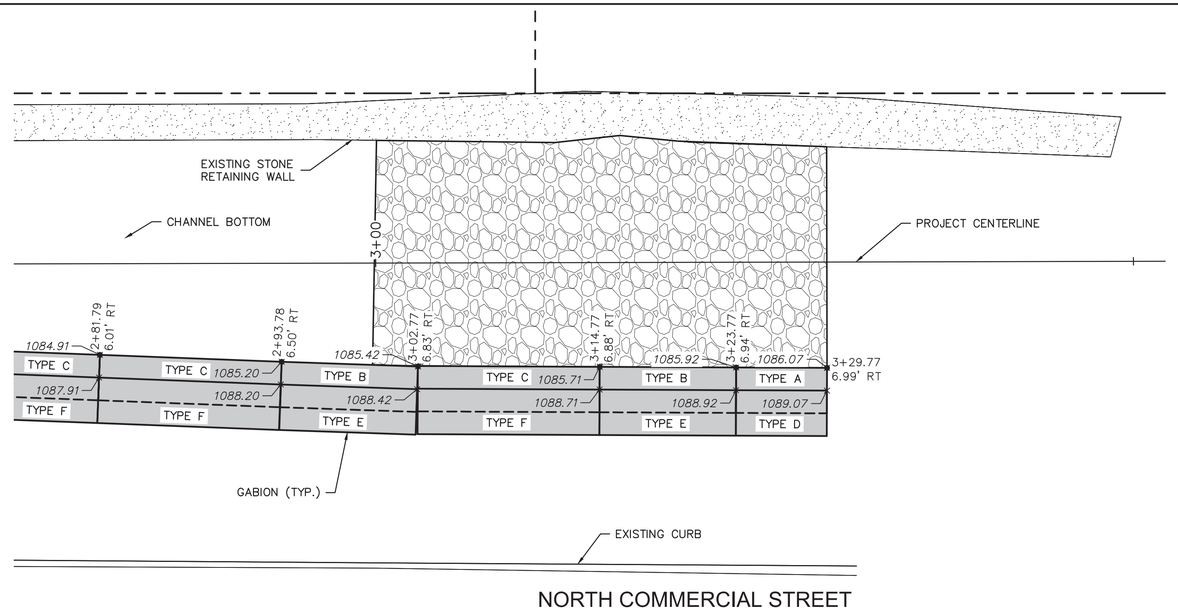

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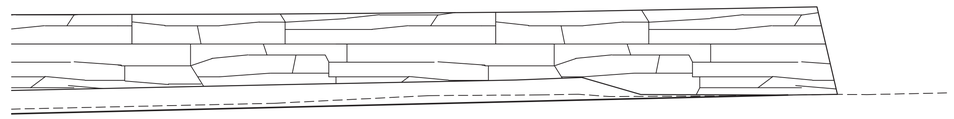
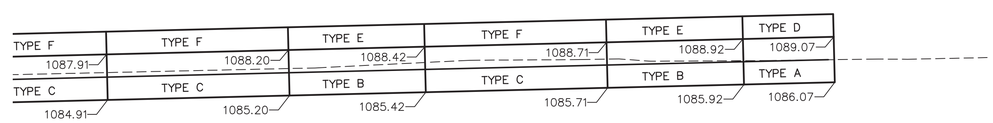


PROFILE WEST SIDE N. COMMERCIAL STREET



PROFILE EAST SIDE N. COMMERCIAL STREET

GABION QUANTITY:

(THIS SHEET)

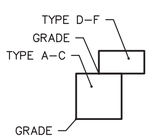
TYPE A: 2 C.Y.
TYPE B: 6 C.Y.
TYPE C: 12 C.Y.
TYPE D: 1 C.Y.
TYPE E: 3 C.Y.
TYPE F: 6 C.Y.

NOTE:

STATION AND OFFSET ARE FROM PROJECT CENTERLINE TO FACE OF GABIONS.

GABION LEGEND:

TYPE A: 6' X 3' X 3'
TYPE B: 9' X 3' X 3'
TYPE C: 12' X 3' X 3'
TYPE D: 6' X 3' X 1.5'
TYPE E: 9' X 3' X 1.5'
TYPE F: 12' X 3' X 1.5'



N

0' 5' 10'
SCALE IN FEET

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PROFESSIONAL CIVIL ENGINEER
TRAVIS A. FIGARD
E-12019
8/7/20
STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION

GABION BASKET LAYOUT PLAN

GOSPEL RUN BANK STABILIZATION PHASE OR ADDITION

WEEPING WATER, NEBRASKA

2020

drawn by: JLM
checked by: TAF
approved by: TAF
QA/QC by: TAF
project no.: 018-3326
drawing no.: W_SIT_183326.dwg
date: 8/7/20

SHEET
1.7 of 1.9

DWG: F:\2018\3001-3500\018-3326\40-Design\AutoCAD\Final Plans\Sheets\WTRS\DWG\W_SIT_183326.dwg USER: jmclaughlin
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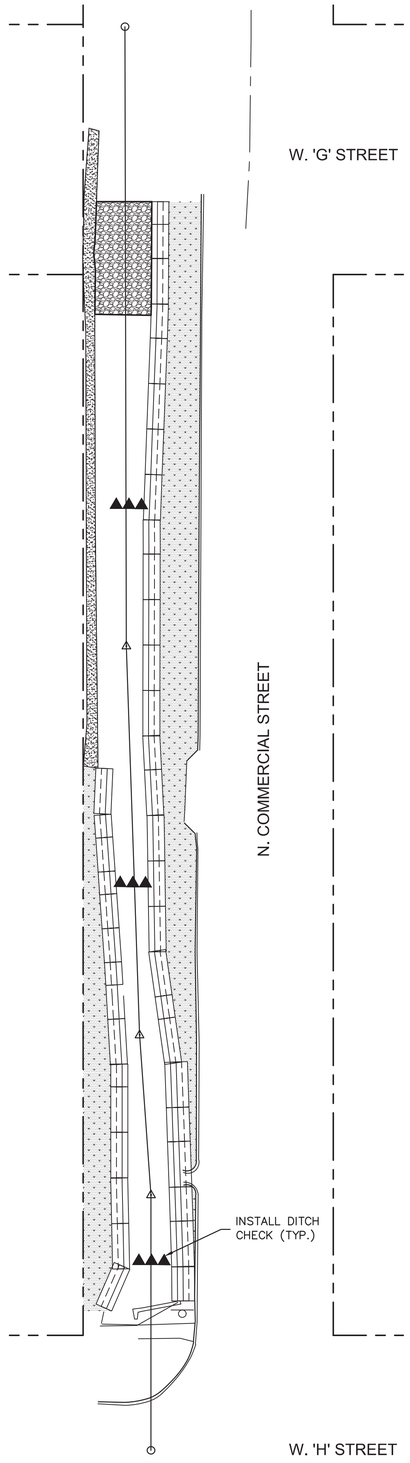


SEEDING TYPE 1		
STATION	LOCATION	AC.
0+36.81 – 1+80.21	LT.	.02
0+39.42 – 0+69.08	RT.	.0003
0+73.32 – 3+20.00	RT.	.05

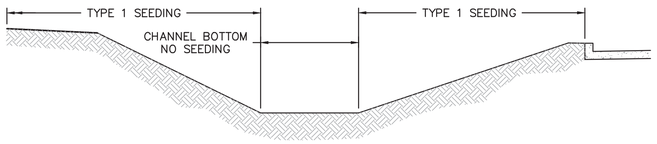
N. COMMERCIAL STREET
NOTE: RIP–RAP VOIDS MUST BE FILLED WITH COMPACTED SOIL AND SEEDED W/ TYPE 1 MIX

TEMPORARY DITCH CHECK (WATTLE)		
STATION	LOCATION	L.F.
0+50.00	LT./RT.	11
1+50.00	LT./RT.	8
2+50.00	LT./RT.	8

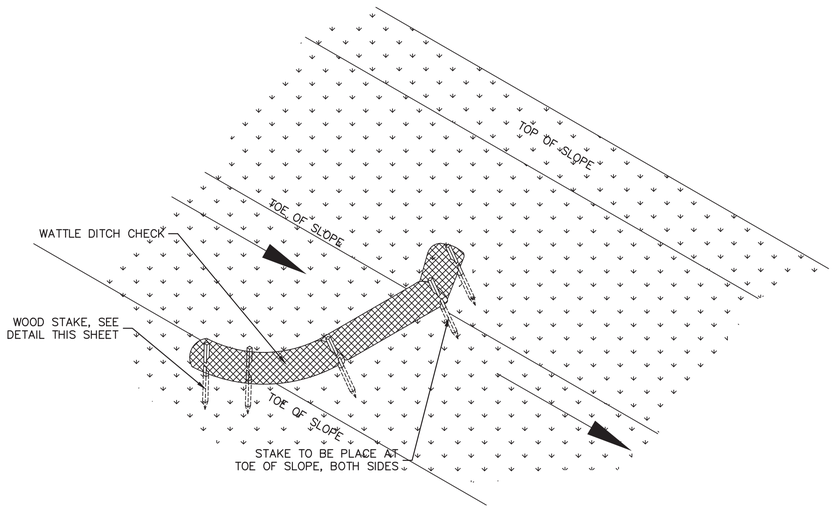
COMMERCIAL STREET

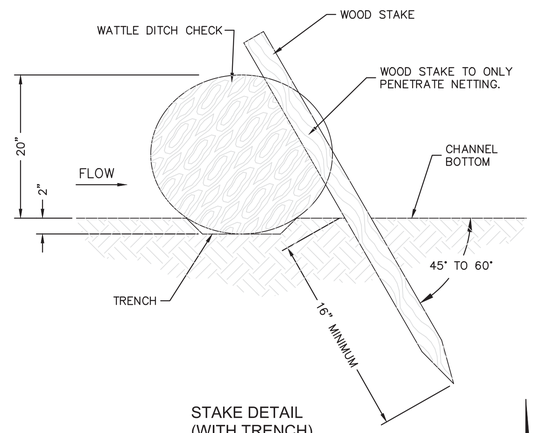
EROSION CONTROL BLANKET		
STATION	LOCATION	SY
0+36.81 – 1+80.21	LT.	93
0+39.42 – 0+69.08	RT.	2
0+73.32 – 3+20.00	RT.	222

N. COMMERCIAL STREET



COMMERCIAL STREET SEEDING
NOT TO SCALE





STAKE DETAIL
(WITH TRENCH)

NOTE:

LOGS ARE TO BE SPACED AT 150' INTERVALS. SEE PLANS FOR LOCATIONS.

TOTAL LENGTH OF EACH WATTLE SHOULD BE 10'–0", INCLUDING THE 2.5' ON SLOPE.

TRENCH OPTION IS MOST APPLICABLE IN LOOSE, UNCONSOLIDATED SOILS.

1 1/8" X 1 1/8" X 48" WOODEN STAKES ARE RECOMMENDED FOR 20" WATTLES.

TEMPORARY DITCH CHECKS (WATTLE DETAIL)
NOT TO SCALE

N

1" = 20'

0' 10' 20' 40'

SCALE IN FEET

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PROFESSIONAL CIVIL ENGINEER
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8/7/20
STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION

SEDIMENT AND EROSION CONTROL

GOSPEL RUN BANK STABILIZATION
PHASE OR ADDITION

WEEPING WATER, NEBRASKA

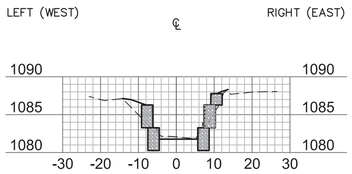
2020

drawn by: JLM
checked by: TAF
approved by: TAF
QA/QC by: TAF
project no.: 018-3326
drawing no.: W_ERO_183326.dwg
date: 8/7/20

SHEET
1.8 of 1.9

DWG: F:\2018\3001-3500\018-3326\40-Design\AutoCAD\Final Plans\Sheets\WTRS\DWG\W_ERO_183326.dwg USER: jmclaughlin
DATE: Aug 07, 2020 3:09pm XREFS: w_tblk_183326 w_PBase_183326 v_TOPO_183326 TRAVIS_FIGARD_PE_NE 091182_STOPO

CHANNEL CROSS SECTIONS



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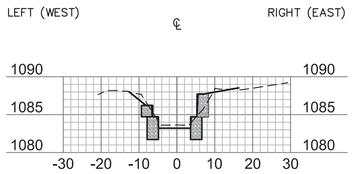

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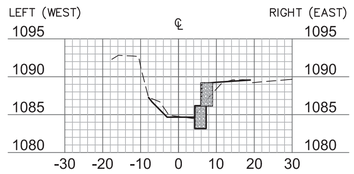

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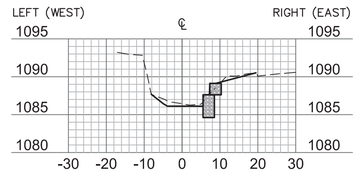

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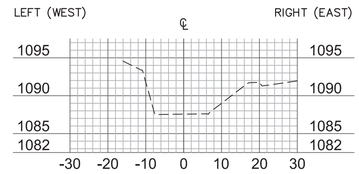

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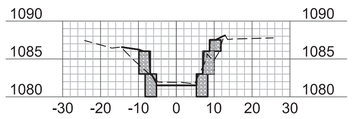

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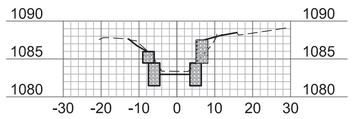

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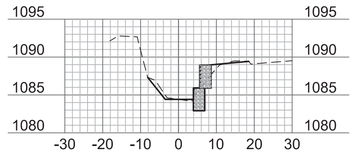

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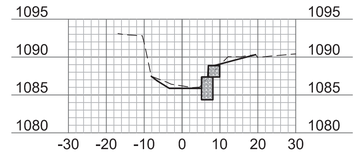

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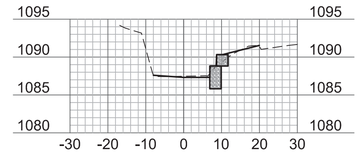

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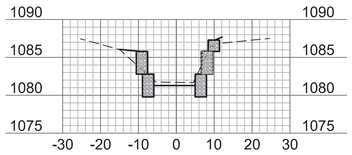

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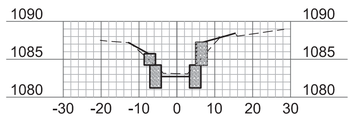

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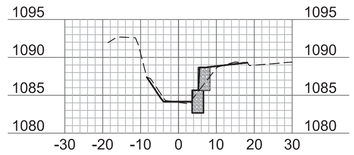

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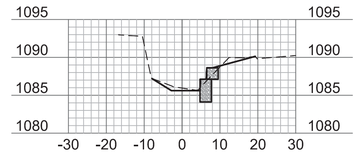

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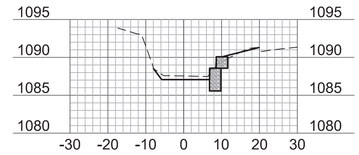

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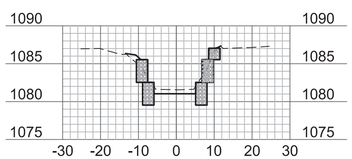

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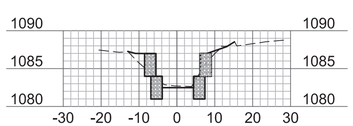

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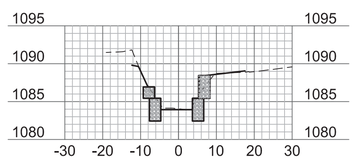

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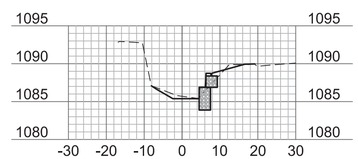

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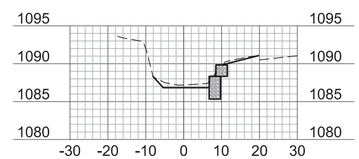

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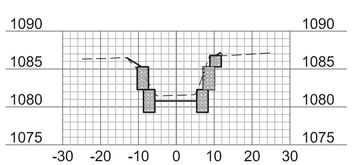

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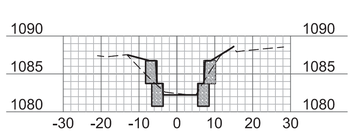

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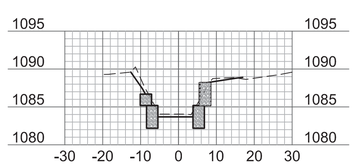

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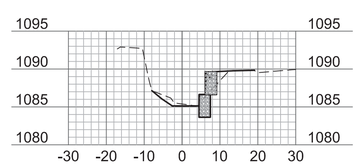

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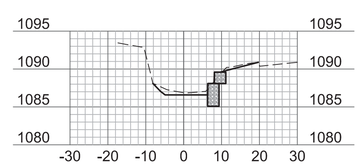

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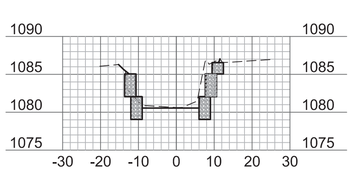

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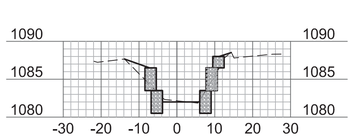

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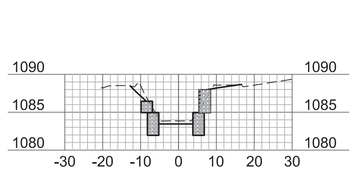

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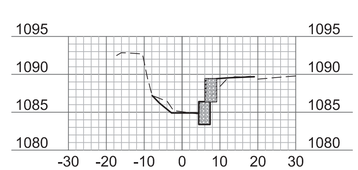
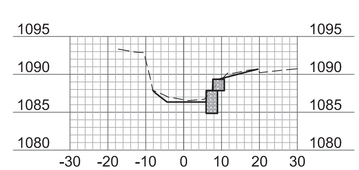


2+20



2+80

SCALE:
1"=10' HORIZ.
1"=5' VERT.

NOTE: CROSS SECTIONS ARE VIEWED LOOKING UPSTREAM.

olsson
601 P Street, Suite 200
P.O. Box 84608
Lincoln, NE 68508
TEL 402.474.6311
www.olsson.com

PROFESSIONAL CIVIL ENGINEER
TRAVIS A. FIGARD
E-12019
8/7/20
STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION

COMMERCIAL STREET
CROSS SECTIONS

GOSPEL RUN BANK STABILIZATION
PHASE OR ADDITION

WEEPING WATER, NEBRASKA

2020

drawn by: JLM
checked by: TAF
approved by: TAF
QA/QC by: TAF
project no.: 018-3326
drawing no.: W_CROSS_183326.dwg
date: 8/7/20

SHEET
1.9 of 1.9

DWG: F:\2018\3001-3500\018-3326\40-Design\AutoCAD\Final Plans\Sheets\WTRS\DWG\W_CROSS_183326.dwg
DATE: Aug 07, 2020 3:05pm
XREFS: w_tblk_183326
USER: jmclaughlin
TRAVIS_FIGARD_PE_NE

C.

OAK CREEK WEIR REPAIR - 14TH STREET
LINCOLN, NEBRASKA

VICINITY MAP

PROJECT LOCATION

LOWER PLATTE SOUTH
natural resources district

INDEX OF SHEETS:

SHEET NO:	SHEET NAME:
C0.0	COVER SHEET
C0.1	ABBREVIATIONS AND SYMBOLS
C0.2	CONTROL
C0.3	SUMMARY OF QUANTITIES
C1.1	SITE PLAN
C1.2	TYPICAL SECTIONS
C2.1	SITE ACCESS & EROSION CONTROL
D1.1	DETAILS

NOTE:
NEITHER THE OWNER (CLIENT) NOR JEO CONSULTING GROUP, INC. ASSUMES ANY RESPONSIBILITY FOR UTILITY LOCATIONS BEING ACCURATELY SHOWN OR NOT SHOWN ON THE PLANS. A REQUEST FOR UTILITY LOCATES WAS MADE FOR THIS LOCATION AS PER THE ONE-CALL NOTIFICATION SYSTEM ACT.
(DATE: 01/06/2015 TICKET NO.: 150050567).

UTILITIES SHOWN ARE FROM FIELD MARKINGS PROVIDED IN THE FIELD BY THE UTILITY PROVIDERS.

THE EXACT LOCATION AND/OR SIZE OF UNDERGROUND FEATURES MAY NOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. FIELD VERIFICATION OF UTILITIES MAY BE REQUIRED. CONTRACTOR(S) SHALL NOTIFY THE RESPECTIVE UTILITY COMPANIES BEFORE COMMENCING ANY WORK.

Diggers Hotline Of Nebraska
Statewide (800) 331-5666 or "811"
www.ne-diggers.com
Call Before You Dig... Its The Law

JEO CONSULTING GROUP INC
800.723.8567

OAK CREEK WEIR REPAIR - 14TH STREET
LINCOLN, NEBRASKA
LOWER PLATTE SOUTH
NATURAL RESOURCES DISTRICT

COVER SHEET

PROFESSIONAL CIVIL ENGINEER
ROSS A. LAWRENCE
E-15618
2-25-20
STATE OF NEBRASKA

PROJECT NO.	141077.00
DATE	2/22/2019
DRAWN BY	rlawrence
FILE NAME	S-141077.00-C0-0.dgn
FIELD BOOK	Lincoln #7
FIELD CREW	TW & HH
SURVEY FILE NO.	SV-141077.dgn
PLAN IN HAND INITIALS / DATE	REL 3/6/2019
70 PERCENT REVIEW INITIALS / DATE	JGP 2/25/2019
95 PERCENT REVIEW INITIALS / DATE	JJS 9/16/2020
REVISIONS	

C0.0

LINESTYLES

ITEM	SYMBOL
BREAK LINE	
CABLE TELEVISION	
CENTERLINE OF ROAD	
CONTOUR MINOR (EX)	—1202—
CONTOUR MAJOR (EX)	—1200—
CONTOUR MINOR (EX SCREENED)	—1202—
CONTOUR MAJOR (EX SCREENED)	—1200—
CONTOUR MINOR (PR)	1202
CONTOUR MAJOR (PR)	1200
LIMITS OF CONSTRUCTION	
CULVERT	
ELECTRIC (OVERHEAD)	
ELECTRIC (UNDERGROUND)	
FENCE (WOODEN)	
FENCE (WIRE OR UNKNOWN)	
FENCE (CHAINLINK)	
FENCE (SECURITY)	
FIBER OPTIC LINE	
FLOWLINE (BREAKLINE)	
GAS LINE	
GUARDRAIL	
PROPERTY BOUNDARY	
PROPERTY LOT LINES (PR)	
RIGHT-OF-WAY LINE	
RAILROAD RIGHT-OF-WAY	
RAILROAD TRACKS	
RETAINING WALL	
SANITARY SEWER (EXIST)	
SANITARY SEWER (PROP)	
SAN SEWER FORCE MAIN (EX)	
SAN SEWER FORCE MAIN (PR)	
STORM SEWER (EXIST)	12" ST. OFFSET TO PIPE SIZE
STORM SEWER (PROP)	12" ST OFFSET TO PIPE SIZE
TELEPHONE LINE (UGND)	
TELEPHONE LINE (OVERHEAD)	
TERRACE	
CROPLINE	
TRAVELED WAY	
WATER (EXIST)	
WATER (PROP)	
FIRE SERVICE	

SWPPP

ITEM	SYMBOL
SILT FENCE	
INLET PROTECTION	
EROSION CHECK	
FLOW ARROW (PLAN)	
AREA INLET FILTER PROTECTION	
RIP RAP	
SEEDING	
MATTING	

PAVING FEATURES

ITEM	SYMBOL
EXISTING PAVEMENT JOINT	
TRANSVERSE JOINT	
LONGITUDINAL JOINT	
EXPANSION/KEYED JOINT	
PAVEMENT MARKING	
PAVEMENT REBAR	
HANDICAP SYMBOL	

UTILITIES

ITEM	SYMBOL
STORM SEWER	
CURB INLET	
GRATE INLET	
CATCH BASIN	
STORM SEWER MANHOLE	
SANITARY	
CLEANOUT	
SEPTIC TANK	
SANITARY MANHOLE	
POWER, ELECTRICAL, LIGHT, AND TRAFFIC	
AIR CONDITIONING UNIT	
ANTENNA	
ANCHOR POLE/POST	
GUY POLE	
GUY WIRE ANCHOR	
ELECTRICAL HIGHLINE TOWER (METAL OR CONCRETE)	
POWER POLE (EXISTING)	
POWER POLE (PROPOSED)	
POWER (ELEC) PEDESTAL	
POWER (ELEC) PULL BOX OR MANHOLE	
POWER (ELEC) METER	
LIGHT POLE	
TRAFFIC SIGNAL	
TRAFFIC SIGNAL BOX	
TELEVISION PEDESTAL	
TELEVISION MANHOLE	
WATER	
WATER MANHOLE	
WATER VALVE	
WATER SHUT OFF OR CURB STOP	
WELL	
WATER METER	
WATER METER PIT	
YARD HYDRANT	
WATER ELEVATION	
WATER TOWER	
FIRE HYDRANT (EXISTING)	
FIRE HYDRANT (PROPOSED)	
FIRE HYDRANT IN PROFILE	
WATER FITTINGS	
11- 1/4°	
22- 1/2°	
45°	
90°	
CROSS	
PLUG	
REDUCER	
TEE	
GAS	
GAS METER	
GAS MANHOLE	
GAS FILL PIPE	
GAS PUMP	
GAS VALVE	
GAS VENT	
TELEPHONE	
FIBER OPTICS PULL BOX	
TELEPHONE POLE	
TELEPHONE PULL BOX OR MANHOLE	
TELEPHONE PEDESTAL	
MANHOLE (NON-SPECIFIC)	
UNDERGRND STORAGE TANK	
VALVE (NON-SPECIFIC)	

VEGETATION

ITEM	SYMBOL
BUSH	
CONIFEROUS TREE	
DECIDUOUS TREE	
HEDGE OR BUSH ROW	
MARSH/WETLAND	
TREE MASS LINE	
TREE MASS LINE (CONIF)	
TREE STUMP	

SITE & SIGNAGE

ITEM	SYMBOL
SIGN	
BARRICADE	
ROAD SIGNS	
COUNTY ROAD	
INTERSTATE HIGHWAY	
STATE HIGHWAY	
U.S. HIGHWAY	
MILE MARKER POST	
RIGHT OF WAY MARKER	
RAILROAD CROSSING SIGNAL	
RAILROAD SWITCH	
FLAG POLE	
MAILBOX	
PROPANE TANK	
SATELLITE TV DISH	
WINDMILL	

CONTROL & ELEVATION

ITEM	SYMBOL
BENCHMARK	
CONTROL POINT (NON-PROPERTY)	
MONUMENT FOUND (PROPERTY)	
MONUMENT SET	
TEMPORARY POINT	
TEST BORING	
POINT ELEVATION (EXISTING)	× 0.00
POINT ELEVATION (PROPOSED)	0.00 TC
GRID TICK	

MISC FEATURES

ITEM	SYMBOL
CENTER PIVOT	
CEMETRY	
GRAVE	
CHURCH	
CAVE	
CISTERN	
LATRINE	
OIL WELL	
GUARD POST	

PAVEMENT SYMBOLS AND HATCH

ITEM	SYMBOL	HATCH
ASPHALT PAVEMENT (EX.)		
CONCRETE PAVEMENT (EX.)		
GRAVEL (EX.)		
BRICK PAVEMENT (EX.)		
ASPHALT PAVEMENT (PR.)		
CONCRETE PAVEMENT (PR.)		
GRAVEL (PR.)		
BRICK PAVEMENT (PR.)		

GENERAL

ITEM	SYMBOL
PLAN REVISION	1
GRAPHIC SCALE	GRAPHIC SCALE UNIT OF MEASURE IS
NORTH ARROW	

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800.723.8567

OAK CREEK WEIR REPAIR - 14TH STREET
LINCOLN, NEBRASKA
LOWER PLATTE SOUTH
NATURAL RESOURCES DISTRICT

ABBREVIATIONS AND SYMBOLS

PROFESSIONAL CIVIL ENGINEER
ROSS A. LAWRENCE
E-15618
23-20
STATE OF NEBRASKA

PROJECT NO.	141077.00
DATE	2/22/2019
DRAWN BY	rlawrence
FILE NAME	S-141077.00-C0-1.dgn
FIELD BOOK	Lincoln #7
FIELD CREW	TW & HH
SURVEY FILE NO.	SV-141077.dgn
PLAN IN HAND INITIALS	REL
PLAN IN HAND DATE	3/6/2019
70 PERCENT REVIEW INITIALS	JGP
70 PERCENT REVIEW DATE	2/25/2019
96 PERCENT REVIEW INITIALS	JJS
96 PERCENT REVIEW DATE	9/16/2020
REVISIONS	

C0.1

RIPRAP TOE PROTECTION

NUMBER	NORTHING	EASTING	TOP ELEV.
RT-1	213660.44	160755.42	1124.06
RT-2	213675.12	160781.02	1124.00
RT-3	213694.49	160805.09	1124.09
RT-4	213712.64	160868.54	1120.52
RT-5	213724.48	160905.58	1120.50
RT-6	213739.58	160938.17	1120.64
RT-7	213608.09	160809.72	1124.23
RT-8	213620.60	160832.30	1123.80
RT-9	213644.38	160888.09	1120.50
RT-10	213661.50	160926.49	1121.04

GRADING - TOP OF BANK

NUMBER	NORTHING	EASTING	BOTTOM ELEV.
TB-1	213697.08	160703.70	1139.50
TB-2	213728.29	160751.57	1140.72
TB-3	213762.43	160794.74	1142.20
TB-4	213782.05	160851.79	1142.02
TB-5	213797.61	160898.04	1140.92
TB-6	213556.96	160843.49	1144.13
TB-7	213572.26	160872.96	1144.43
TB-8	213587.76	160918.90	1144.58
TB-9	213598.91	160945.06	1144.73

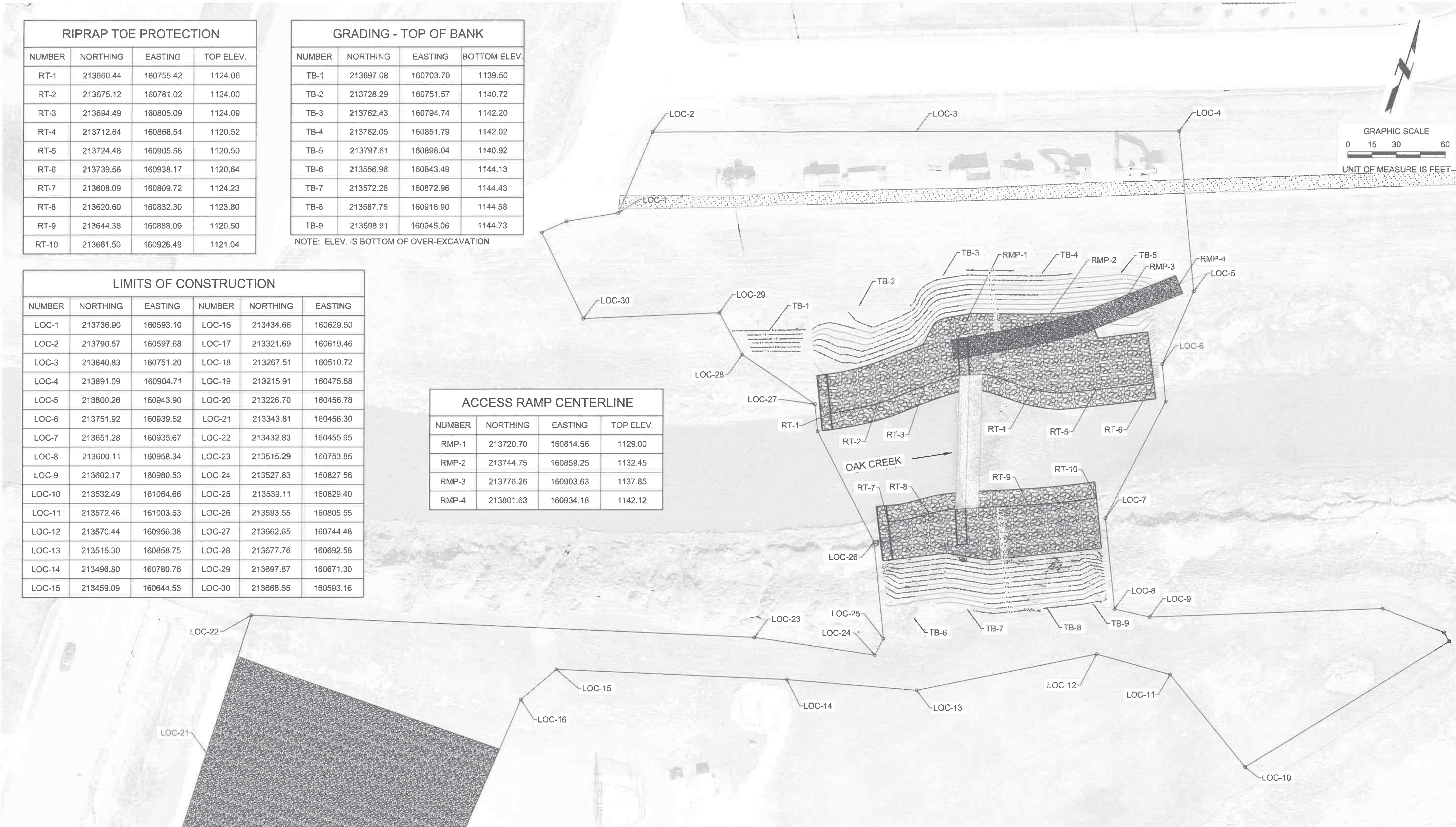
NOTE: ELEV. IS BOTTOM OF OVER-EXCAVATION

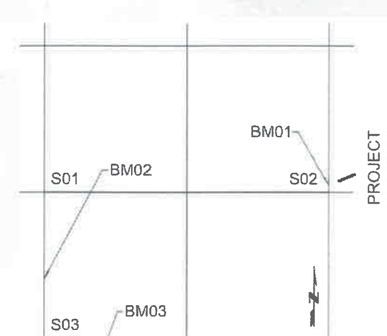
LIMITS OF CONSTRUCTION

NUMBER	NORTHING	EASTING	NUMBER	NORTHING	EASTING
LOC-1	213736.90	160593.10	LOC-16	213434.66	160629.50
LOC-2	213790.57	160597.68	LOC-17	213321.69	160619.46
LOC-3	213840.83	160751.20	LOC-18	213267.51	160510.72
LOC-4	213891.09	160904.71	LOC-19	213215.91	160475.58
LOC-5	213800.26	160943.90	LOC-20	213226.70	160456.78
LOC-6	213751.92	160939.52	LOC-21	213343.81	160456.30
LOC-7	213651.28	160935.67	LOC-22	213432.83	160455.95
LOC-8	213600.11	160958.34	LOC-23	213515.29	160753.85
LOC-9	213602.17	160980.53	LOC-24	213527.83	160827.56
LOC-10	213532.49	161064.66	LOC-25	213539.11	160829.40
LOC-11	213572.46	161003.53	LOC-26	213593.55	160805.55
LOC-12	213570.44	160956.38	LOC-27	213662.65	160744.48
LOC-13	213515.30	160858.75	LOC-28	213677.76	160692.58
LOC-14	213496.80	160780.76	LOC-29	213697.87	160671.30
LOC-15	213459.09	160644.53	LOC-30	213668.65	160593.16

ACCESS RAMP CENTERLINE

NUMBER	NORTHING	EASTING	TOP ELEV.
RMP-1	213720.70	160814.56	1129.00
RMP-2	213744.75	160859.25	1132.45
RMP-3	213776.26	160903.63	1137.85
RMP-4	213801.63	160934.18	1142.12





SECTION 14 - T10N - R6E

NOTE:
HORIZONTAL DATUM = LANCASTER COUNTY GRID
VERTICAL DATUM = NAVD 88
TOPOGRAPHIC SURVEY CONDUCTED IN JANUARY AND APRIL 2015

OAK CREEK HORIZONTAL & VERTICAL CONTROL

POINT NAME	NORTHING	EASTING	ELEV.	LONG DESCRIPTION
S01	213424.02	155098.74		LCSM - WEST QUARTER CORNER SECTION 14-10-06
S02	213362.72	160371.07		LCSM - EAST QUARTER CORNER SECTION 14-10-06
S03	210782.38	155082.49		LCSM - SOUTHWEST CORNER SECTION 14-10-06
BM01	213423.7	160394.7	1154.56	2" CITY BM DISK IN TOP BRIDGE CURB SE CORNER OF 14TH ST BRIDGE OVER OAK CREEK
BM02	211902.73	155107.10	1154.06	BENCHMARK - NGS "G 440"
BM03	210004.77	156630.61	1152.64	BENCHMARK NGS "BM 1"

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OAK CREEK WEIR REPAIR - 14TH STREET
LINCOLN, NEBRASKA
LOWER PLATTE SOUTH
NATURAL RESOURCES DISTRICT

CONTROL

PROFESSIONAL CIVIL ENGINEER
ROSS R. LAWRENCE
E-6618
STATE OF NEBRASKA

PROJECT NO. 141077.00
DATE 2/22/2019
DRAWN BY rlawrence
FILE NAME S-141077.00-C0-2.dgn
FIELD BOOK Lincoln #7
FIELD CREW TW & HH
SURVEY FILE NO. SV-141077.dgn
PLAN IN HAND INITIALS REL DATE 3/6/2019
70 PERCENT REVIEW INITIALS JGP DATE 2/25/2019
95 PERCENT REVIEW INITIALS JJS DATE 9/16/2020
REVISIONS

C0.2

GENERAL ITEMS			
1	MOBILIZATION	LS	1
2	CLEARING AND GRUBBING	LS	1
3	COFFER DAM/ DEWATERING	LS	1
4	REMOVE CONCRETE WINGWALL	EA	2
5	REMOVE AND RESET CHAIN LINK FENCE	LF	20
EARTHWORK/EROSION CONTROL ITEMS			
6	EXCAVATION, DISPOSAL	CY	3540
7	EARTHWORK, MEASURED IN EMBANKMENT	CY	670
8	TOPSOIL, MEASURED IN EMBANKMENT	CY	460
9	CRUSHED ROCK RAMP, 6" THICK	SY	195
10	CRUSHED ROCK PARKING	TON	100
11	DRAINAGE FILL	CY	410
12	RIPRAP, CLASS C	TON	1238
13	RIPRAP, CLASS B	TON	1238
14	SEEDING, TYPE A, WITH ECB	AC	0.70
15	SEEDING, TYPE A, WITH HYDRO-MULCH	AC	0.71
16	SEEDING, TYPE B, WITH HYDRO-MULCH	AC	0.68
17	CONSTRUCTION ENTRANCE	LS	1
18	STRAW WATTLES	LF	350
CONCRETE WEIR REPAIR ITEMS			
19	SLAB REPAIR	SY	26
20	CRACK INJECTION	LF	5

JEO CONSULTING GROUP INC
800.723.8567

OAK CREEK WEIR REPAIR - 14TH STREET
LINCOLN, NEBRASKA
LOWER PLATTE SOUTH
NATURAL RESOURCES DISTRICT

SUMMARY OF QUANTITIES

PROJECT NO. 141077.00
DATE 2/22/2019
DRAWN BY rlawrence
FILE NAME S-141077.00-C0-3.dgn
FIELD BOOK Lincoln #7
FIELD CREW TW & HH
SURVEY FILE NO. SV-141077.dgn
PLAN IN HAND INITIALS REL DATE 3/6/2019
70 PERCENT REVIEW INITIALS JGP DATE 2/25/2019
95 PERCENT REVIEW INITIALS JJS DATE 9/16/2020
REVISIONS

C0.3

File Name and Location: P:\Engineering\141077.00 - Lower Platte South NRD Oak Creek Stabilization\7 Design\2 Drawings\SHEETS\14th Street\S-141077.00-C0-3.dgn
Print Date/Time: 9/23/2020 12:32 PM By: rlawrence
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GENERAL NOTES:
TOPOGRAPHIC SURVEY WAS CONDUCTED IN JANUARY AND APRIL 2015.
MINOR TERRAIN OR FEATURE DIFFERENCES MAY EXIST
THE SALT CREEK LEVEE TRAIL SHALL BE CLOSED FROM PUBLIC ACCESS FROM N. ANTELOPE VALLEY PARKWAY TO CORNHUSKER HWY FOR THE DURATION OF CONSTRUCTION. CONTRACTOR TO PROVIDE A MINIMUM OF FOUR (4) TRAFFIC CONTROL BARRICADES (TYPE 2) DURING CONSTRUCTION. CONTRACTOR TO PLACE (AND MAINTAIN) BARRICADES AT THE CLOSURE LIMITS AND AT THE LIMITS OF CONSTRUCTION.

JEO CONSULTING GROUP INC
800.723.8567

OAK CREEK WEIR REPAIR - 14TH STREET
LINCOLN, NEBRASKA
LOWER PLATTE SOUTH
NATURAL RESOURCES DISTRICT

SITE PLAN

PROFESSIONAL CIVIL ENGINEER
ROSS E. LAWRENCE
E-10618
2-23-20
STATE OF NEBRASKA

PROJECT NO.	141077.00
DATE	2/22/2019
DRAWN BY	rlawrence
FILE NAME	S-141077.00-C1-1.dgn
FIELD BOOK	Lincoln #7
FIELD CREW	TW & HH
SURVEY FILE NO.	SV-141077.dgn
PLAN IN HAND INITIALS / DATE	REL 3/6/2019
70 PERCENT REVIEW INITIALS / DATE	JGP 2/25/2019
95 PERCENT REVIEW INITIALS / DATE	JJS 9/16/2020
REVISIONS	

C1.1

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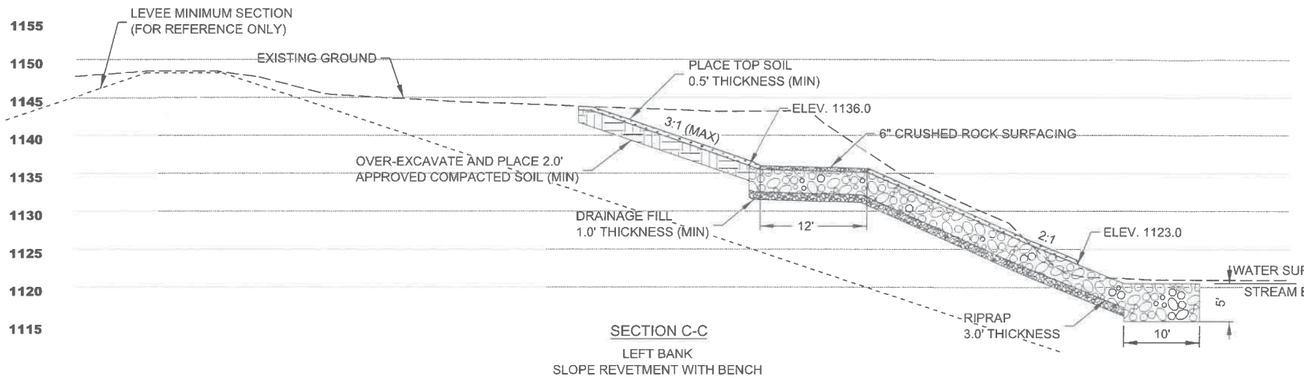
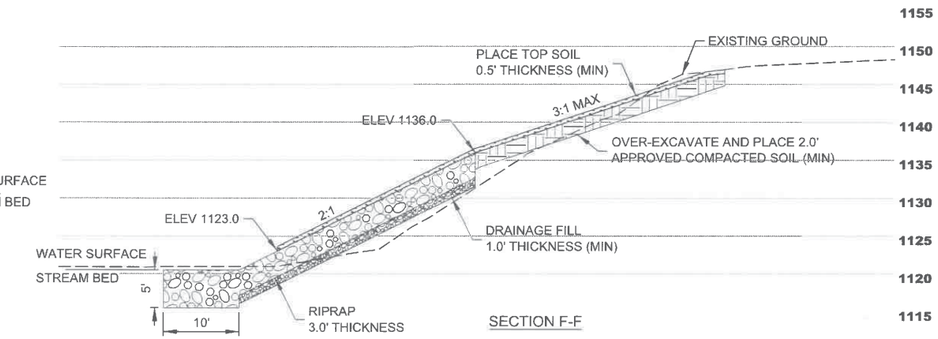
By: rlawrence



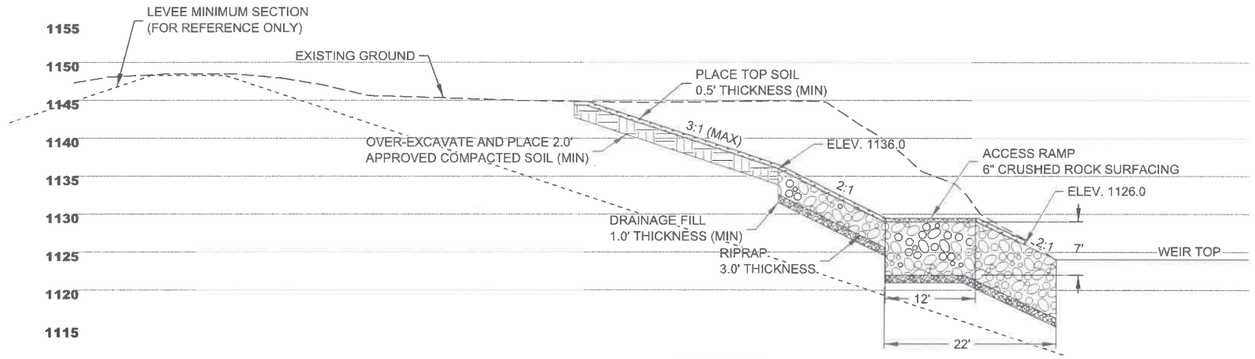
SECTION C-C

LEFT BANK
SLOPE REVETMENT WITH BENCH



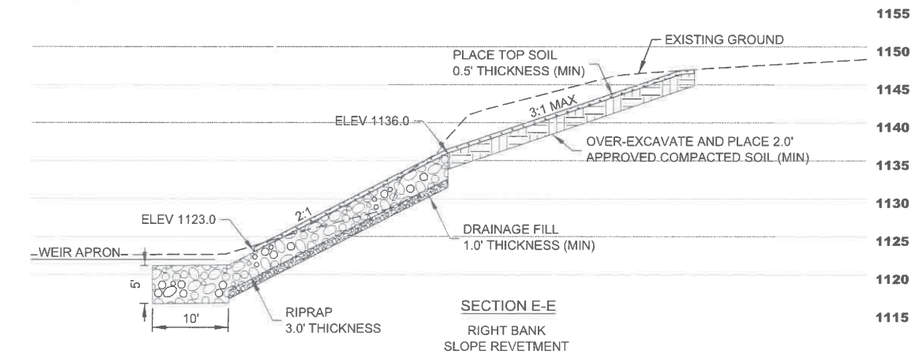
SECTION F-F

RIGHT BANK
SLOPE REVETMENT



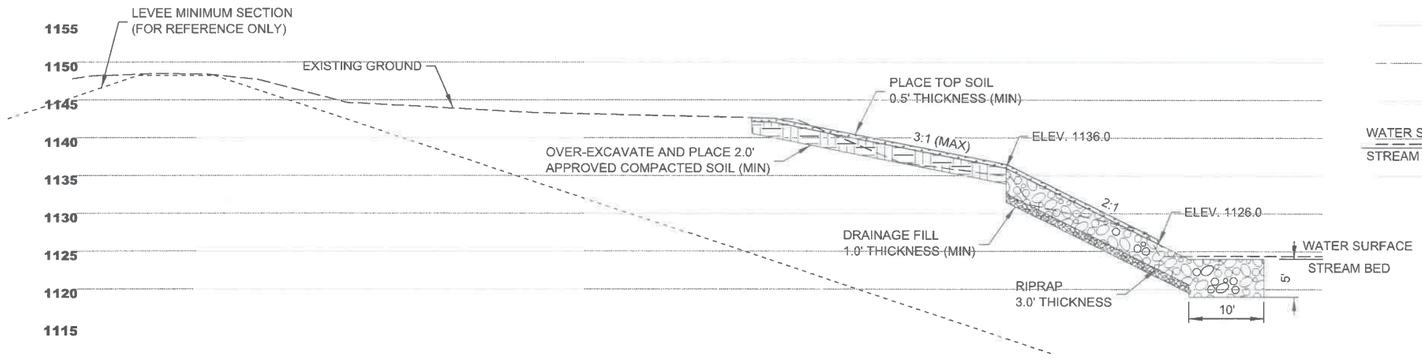
SECTION B-B

LEFT BANK
SLOPE REVETMENT WITH RAMP



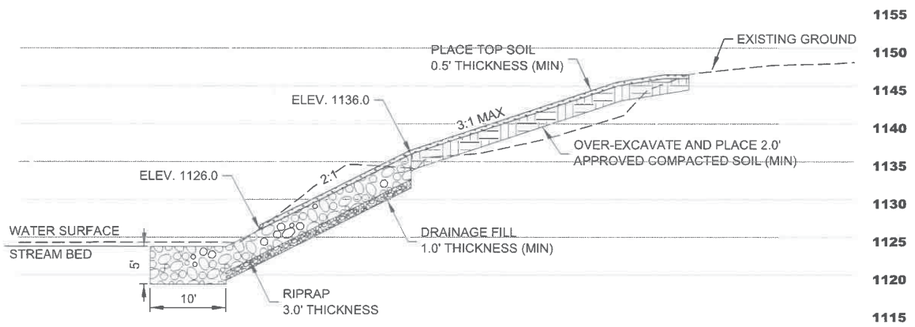
SECTION E-E

RIGHT BANK
SLOPE REVETMENT



SECTION A-A

LEFT BANK
SLOPE REVETMENT



SECTION D-D

RIGHT BANK
SLOPE REVETMENT

JEO CONSULTING GROUP INC
800.723.8567

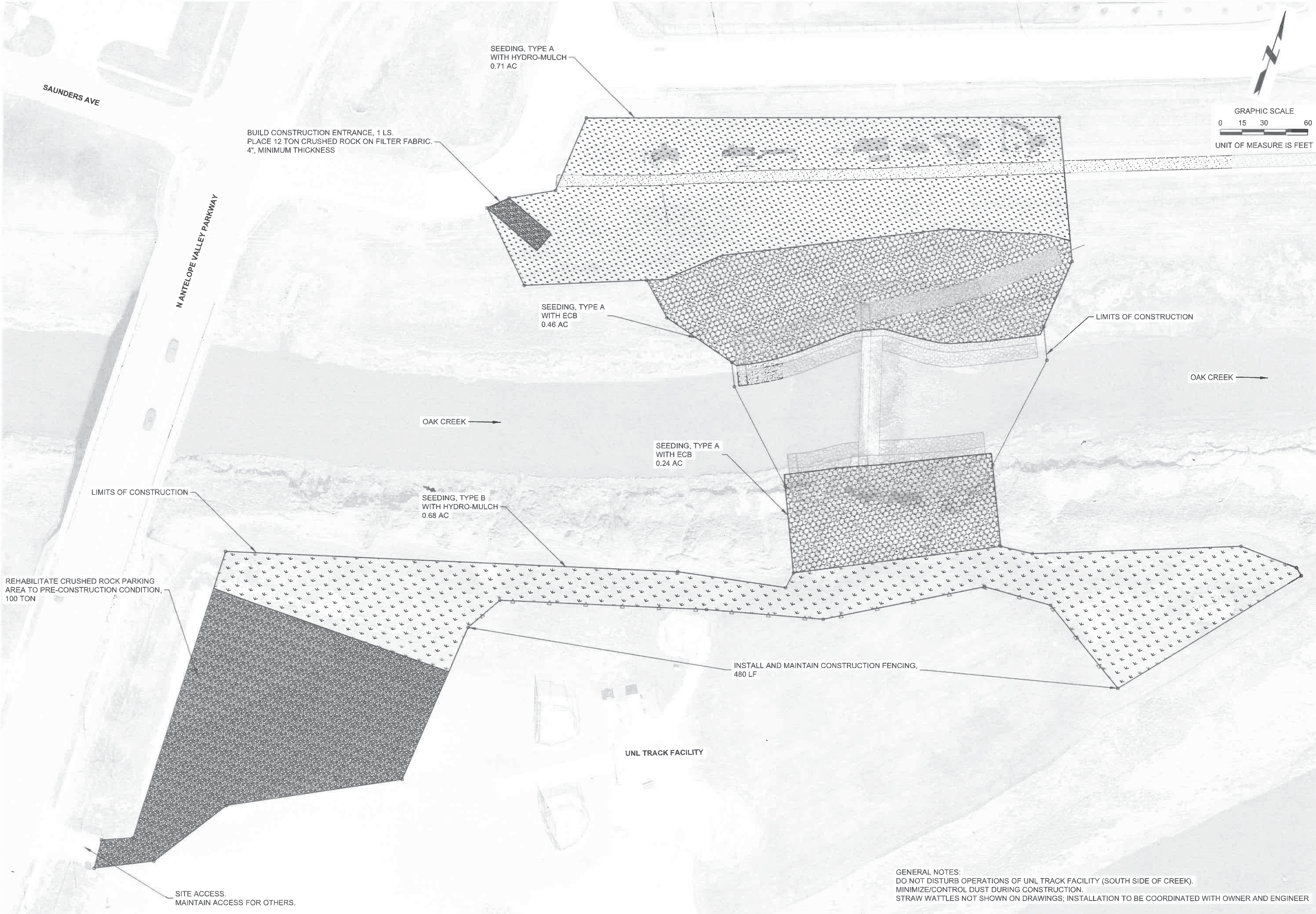
OAK CREEK WEIR REPAIR - 14TH STREET
LINCOLN, NEBRASKA
LOWER PLATTE SOUTH
NATURAL RESOURCES DISTRICT

TYPICAL SECTIONS

PROFESSIONAL CIVIL ENGINEER
ROSS A. LAWRENCE
E-12918
2-22-19
STATE OF NEBRASKA

PROJECT NO.	141077.00
DATE	2/22/2019
DRAWN BY	rlawrence
FILE NAME	S-141077.00-C1-2.dgn
FIELD BOOK	Lincoln #7
FIELD CREW	TW & HH
SURVEY FILE NO.	SV-141077.dgn
PLAN IN HAND INITIALS / DATE	REL 3/6/2019
70 PERCENT REVIEW INITIALS / DATE	JQP 2/25/2019
95 PERCENT REVIEW INITIALS / DATE	JJS 9/16/2020
REVISIONS	

C1.2



GENERAL NOTES:
DO NOT DISTURB OPERATIONS OF UNL TRACK FACILITY (SOUTH SIDE OF CREEK).
MINIMIZE/CONTROL DUST DURING CONSTRUCTION.
STRAW WATTLES NOT SHOWN ON DRAWINGS; INSTALLATION TO BE COORDINATED WITH OWNER AND ENGINEER

JEO CONSULTING GROUP INC
800.723.8567

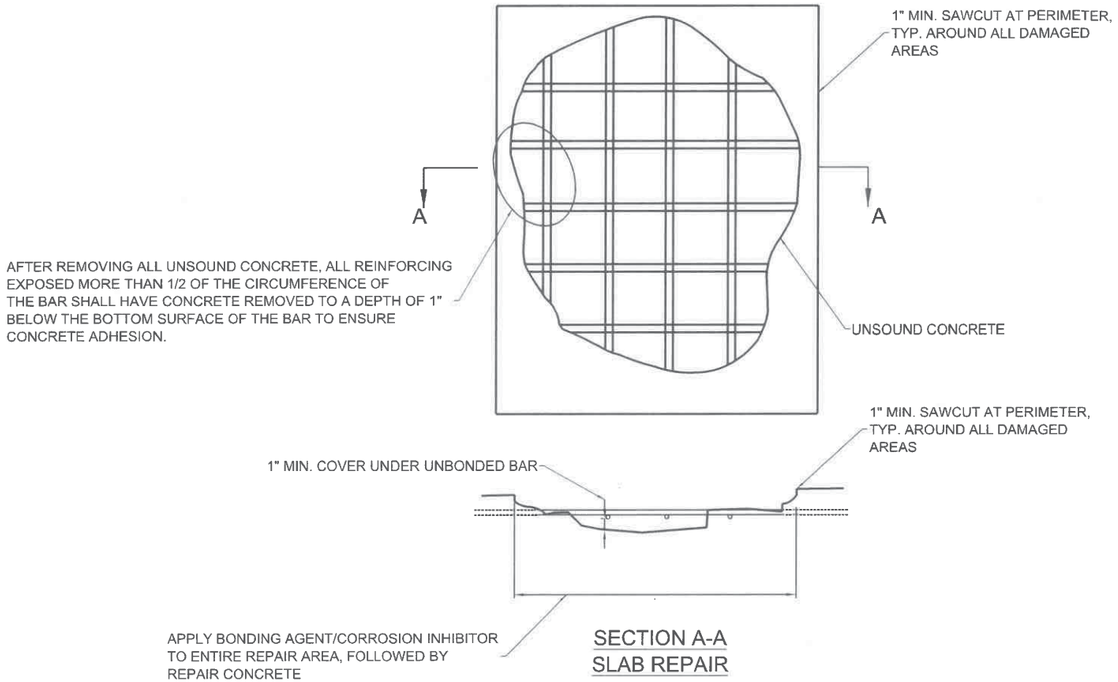
OAK CREEK WEIR REPAIR - 14TH STREET
LINCOLN, NEBRASKA
LOWER PLATTE SOUTH
NATURAL RESOURCES DISTRICT

SITE ACCESS & EROSION CONTROL

PROFESSIONAL CIVIL ENGINEER
ROSS LAWRENCE
E-16618
STATE OF NEBRASKA

PROJECT NO. 141077.00
DATE 2/22/2019
DRAWN BY rlawrence
FILE NAME S-141077.00-C2-1.dgn
FIELD BOOK Lincoln #7
FIELD CREW TW & HH
SURVEY FILE NO. SV-141077.dgn
PLAN IN HAND
INITIALS REL
DATE 3/6/2019
70 PERCENT REVIEW
INITIALS JGP
DATE 2/25/2019
95 PERCENT REVIEW
INITIALS JJS
DATE 9/16/2020
REVISIONS

C2.1



SECTION A-A
SLAB REPAIR

WEIR REPAIR NOTES

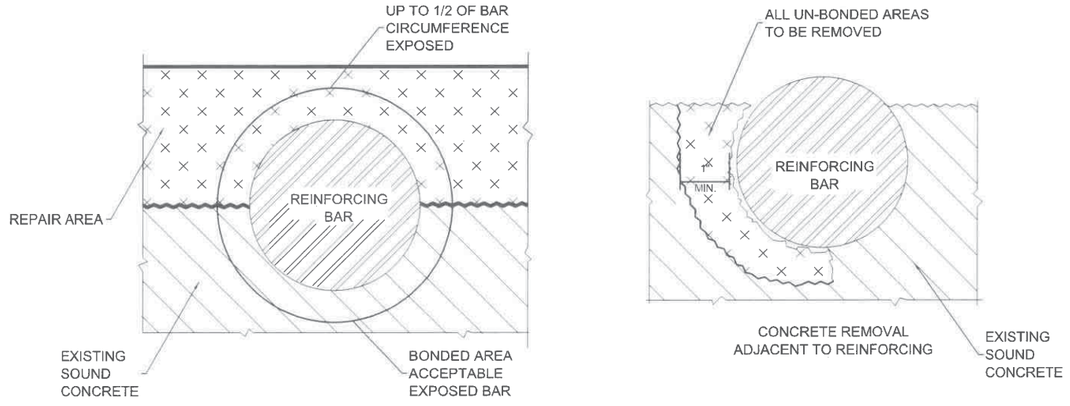
SLAB REPAIR SHALL BE IN ACCORDANCE WITH NOTES AND DETAILS IN THESE PLANS. THE WORK SHALL GENERALLY CONSIST OF REMOVING DELAMINATED AND DETERIORATED PORTIONS OF THE EXISTING CONCRETE ON THE CONCRETE WEIRS, AND REPAIRING IN ACCORDANCE WITH DETAILS IN THESE PLANS. THIS REPAIR SHALL ONLY OCCUR IN AREAS AS INDICATED IN THESE PLANS OR WITH APPROVAL BY THE ENGINEER.

EQUIPMENT FOR CONCRETE REMOVAL SHALL BE CONSISTENT WITH REQUIREMENTS OF STRUCTURAL CONCRETE REPAIR IN NDOR STANDARD SPECIFICATIONS SECTION 710. THE PERIMETER OF THE REPAIR AREA SHALL BE SAWCUT. ALL DELAMINATED AND DETERIORATED CONCRETE SHALL BE REMOVED DOWN TO SOUND CONCRETE USING A LIGHTWEIGHT CHIPPING HAMMER. FOLLOWING CONCRETE REMOVAL, THE REPAIR AREA SHALL BE SANDBLASTED AND BLOWN CLEAN WITH DRY COMPRESSED AIR. BONDING AGENT / CORROSION INHIBITOR SHALL BE APPLIED, AS DIRECTED BY MANUFACTURER, TO THE EXPOSED REINFORCING STEEL AND REPAIR AREA, FOLLOWED BY FRESH CONCRETE TO FILL THE VOIDS TO MATCH SURROUNDING ELEVATIONS.

ACCEPTABLE MATERIALS TO BE USED AS A BONDING AGENT/CORROSION INHIBITOR WHEN PLACING PLASTIC CONCRETE AGAINST EXISTING CONCRETE ARE EPOXY RESIN BONDING SYSTEM GRADE 2, TYPE II, AS LISTED IN NDOR'S APPROVED PRODUCT LIST.

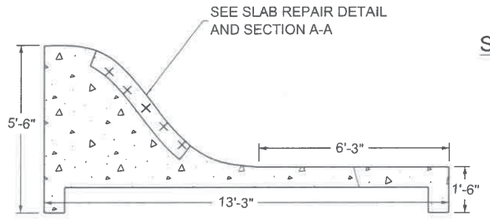
ALL CONCRETE FOR SLAB REPAIRS SHALL BE NDOR CLASS "47BD", WITH A 28-DAY STRENGTH OF 4000 PSI. MAXIMUM AGGREGATE SIZE SHALL BE 1/2", NDOR CLASS F.

REPAIR AREAS ARE ESTIMATED BASED ON VISUAL OBSERVATION. THE ACTUAL REPAIR AREAS SHALL BE DELINEATED BY THE CONTRACTOR, WITH MEASURED AREAS FOR EACH REPAIR LOCATION FOR APPROVAL BY THE ENGINEER. THE CONTRACTOR WILL BE PAID THE CONTRACT UNIT PRICE FOR THE NUMBER OF SQUARE YARDS OF SLAB REPAIR AND LINEAR FEET OF CRACK EPOXY INJECTION APPROVED BY THE ENGINEER AND COMPLETED PER PROJECT REQUIREMENTS. THIS PAYMENT SHALL BE FULL COMPENSATION FOR REMOVAL OF EXCESS CONCRETE FROM THE PROJECT SITE AND IT BECOMING PROPERTY OF THE CONTRACTOR, AND FOR FURNISHING ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.



AFTER REMOVING ALL UNSOUND CONCRETE, ALL REINFORCING EXPOSED MORE THAN 1/2 OF THE CIRCUMFERENCE OF THE BAR SHALL BE TREATED AS AN UN-BONDED REBAR AND SHALL HAVE CONCRETE REMOVED TO A DEPTH OF 1" BELOW THE BOTTOM SURFACE OF THE BAR TO ENSURE CONCRETE ADHESION.

REMOVAL DETAIL AND UNBONDED BAR DEFINITION
SCALE: N.T.S.

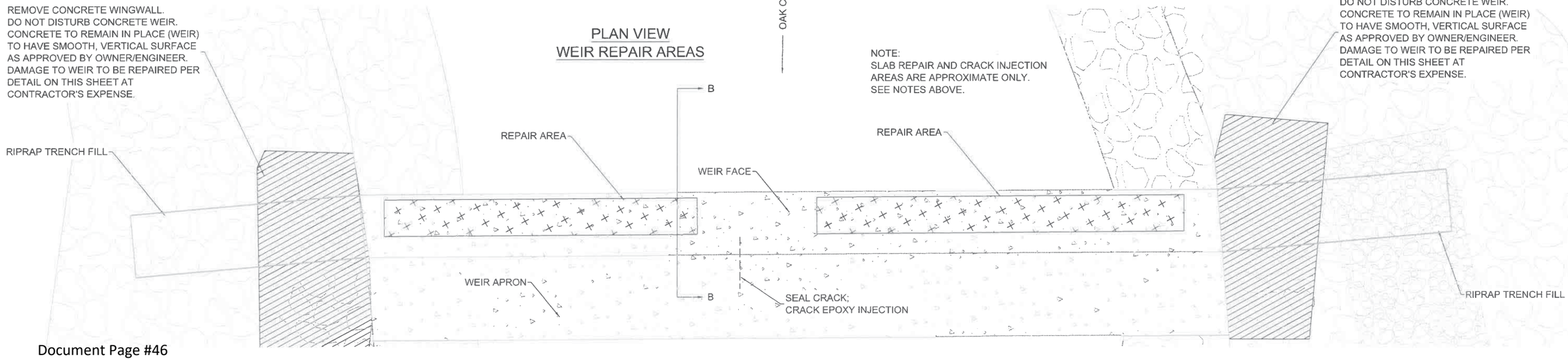


SLAB REPAIR DETAIL
SCALE: N.T.S.

SECTION B-B
WEIR SECTION

GRAPHIC SCALE
0 2.5 5 10
UNIT OF MEASURE IS FEET

PLAN VIEW
WEIR REPAIR AREAS



JEO CONSULTING GROUP INC
800.723.8567

OAK CREEK WEIR REPAIR - 14TH STREET
LINCOLN, NEBRASKA
LOWER PLATTE SOUTH
NATURAL RESOURCES DISTRICT

WEIR REPAIR DETAIL

PROFESSIONAL CIVIL ENGINEER
ROSS E. LAWRENCE
E-15618
2-22-19
STATE OF NEBRASKA

PROJECT NO	141077.00
DATE	2/22/2019
DRAWN BY	rlawrence
FILE NAME	S-141077.00-D1-1.dgn
FIELD BOOK	Lincoln #7
FIELD CREW	TW & HH
SURVEY FILE NO.	SV-141077.dgn
PLAN IN HAND INITIALS / DATE	REL 3/8/2019
70 PERCENT REVIEW INITIALS / DATE	JGP 2/25/2019
95 PERCENT REVIEW INITIALS / DATE	JJS 9/16/2020
REVISIONS	

D1.1

October 14, 2020

Lower Platte South NRD
Attn: Paul Zillig
3125 Portia St
Lincoln, NE 68521

Re: ***Bid Recommendation***
Oak Creek Weir Repair – 14th Street
JEO Project No. 141077.00

Dear Mr. Zillig and Board Members:

On October 13, 2020, JEO Consulting Group, representing the NRD, received four (4) bids for the Oak Creek Weir Repair – 14th Street project. Enclosed is a copy of the Bid Tabulation sheet that lists all bidders and their submitted prices.

The low bidder, Gana Trucking & Excavating, from Martell, NE submitted a total **Base Bid** of **$425,100.52.** They shall commence work approximately one week after notice to proceed and will be substantially complete by February 15, 2021. Final completion will be before May 15, 2021.

The NRD has the option to award the contract for the **Base Bid,** which includes quartzite riprap or to award the contract for the **Base Bid including substitution of Base Bid Riprap with Alternate Bid Riprap** (limestone riprap). The **Base Bid** price is $45,370.52 higher than the **Base Bid including substitution of Base Bid Riprap with Alternate Bid Riprap,** however the quartzite riprap is more durable than limestone riprap and the total **Base Bid** price is very near the Engineer's Opinion of Cost. JEO recommends that the NRD award the project to Gana Trucking & Excavating at the **Base Bid** price of **$425,100.52.**

If you have any questions about the enclosed, please contact me at your convenience.

Sincerely,

Ross E. Lawrence, PE, CFM
Project Manager

Enclosure
- Bid Tabulation

Bid Tab

PROJECT | Oak Creek Weir Repair - 14th Street for Lower Platte South Natural Resources District

JEO PROJECT NO. | 141077.00

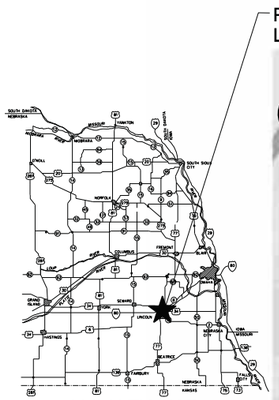
LOCATION | Lincoln, Nebraska

LETTING | 10/13/2020 02:00 PM CDT

Bidder	Total Base Bid	Alternate Bid Item 12	Alternate Bid Item 13	Start Date
Gana Trucking & Excavating Martell, NE	$425,100.52	$88,937.92	$93,060.46	November 1, 2020
High Plains Enterprises Inc. Martell, NE	$472,580.00	$92,850.00	$86,660.00	February 15, 2021
MC Wells Contracting, LLC Omaha, NE	$487,884.00	$94,088.00	$92,850.00	November 16, 2020
H.R. Bookstrom Construction, Inc. Lincoln, NE	$754,327.25	$136,180.00	$123,800.00	January 2021

SALT CREEK PIPE REPLACEMENT AT CHARLESTON STREET LINCOLN, NEBRASKA

LOWER PLATTE SOUTH NRD



VICINITY MAP
N.T.S.

LOCATION MAP
N.T.S.

LOWER PLATTE SOUTH
natural resources district

INDEX OF SHEETS:

SHEET NO:	SHEET NAME:
C0.1	COVER SHEET
C0.2	SYMBOLS SHEET
C0.3	LEVEE SYSTEM OVERVIEW MAP
C0.4	CONTROL SHEET
C1.1	EXISTING SITE PLAN & DEMOLITION SITE PLAN
C2.1	GRADING PLAN
C2.2	SEDIMENT & EROSION CONTROL PLAN
PP1.1	PLAN & PROFILE - STORM SEWER PIPE
D1.1 - D1.2	CIVIL DETAILS

NOTE:
NEITHER THE OWNER (CLIENT) NOR JEO CONSULTING GROUP, INC. ASSUMES ANY RESPONSIBILITY FOR UTILITY LOCATIONS BEING ACCURATELY SHOWN OR NOT SHOWN ON THE PLANS. A REQUEST FOR UTILITY LOCATES WAS MADE FOR THIS LOCATION AS PER THE ONE-CALL NOTIFICATION SYSTEM ACT.
(DATE: 03/19/2015 TICKET NO.: 150780852).

UTILITIES SHOWN ARE FROM FIELD MARKINGS PROVIDED IN THE FIELD BY THE UTILITY PROVIDERS.

THE EXACT LOCATION AND/OR SIZE OF UNDERGROUND FEATURES MAY NOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. FIELD VERIFICATION OF UTILITIES MAY BE REQUIRED. CONTRACTOR(S) SHALL NOTIFY THE RESPECTIVE UTILITY COMPANIES BEFORE COMMENCING ANY WORK.

811 Know what's **below.** **Call** before you dig.

JEO CONSULTING GROUP INC
800.723.8567

SALT CREEK PIPE REPLACEMENT
AT CHARLESTON STREET
LINCOLN, NEBRASKA
LOWER PLATTE SOUTH NRD

COVER SHEET & LOCATION MAP

PROFESSIONAL CIVIL ENGINEER
ROSS E. LAWRENCE
E-16618
STATE OF NEBRASKA

PROJECT NO.	200755.00
DATE	9/30/2020
DRAWN BY	EJO
FILE NAME	S-200755.00_C0.1.dgn
FIELD BOOK	Salt Creek #1 & #2
FIELD CREW	JG/JM/HH
SURVEY FILE NO.	140568.00
PLAN IN HAND INITIALS	REL
PLAN IN HAND DATE	07/29/2020
70 PERCENT REVIEW INITIALS	JJS
70 PERCENT REVIEW DATE	09/09/2020
95 PERCENT REVIEW INITIALS	KWK
95 PERCENT REVIEW DATE	09/29/2020
REVISIONS	

C0.1

JEO CONSULTING GROUP INC
800.723.8567

**SALT CREEK PIPE REPLACEMENT
AT CHARLESTON STREET
LINCOLN, NEBRASKA
LOWER PLATTE SOUTH NRD**

VICINITY MAP

PROFESSIONAL CIVIL ENGINEER
ROSS E. LAWRENCE
E-16618
STATE OF NEBRASKA

GRAPHIC SCALE
0 300 600 1200
UNIT OF MEASURE IS FEET

811
Know what's **below.**
Call before you dig.

PROJECT NO.	200755.00
DATE	9/30/2020
DRAWN BY	EJO
FILE NAME	S-200755.00_C0.3.dgn
FIELD BOOK	Salt Creek #1 & #2
FIELD CREW	JG/JM/HH
SURVEY FILE NO.	140568.00
PLAN IN HAND INITIALS	REL
PLAN IN HAND DATE	07/29/2020
70 PERCENT REVIEW INITIALS	JJS
70 PERCENT REVIEW DATE	09/09/2020
95 PERCENT REVIEW INITIALS	KWK
95 PERCENT REVIEW DATE	09/29/2020
REVISIONS	

C0.3

SUN VALLEY BLVD / HIGHWAY NO.6

CHARLESTON ST

EX. STORM SEWER HEADWALL

CONSTRUCTION ACCESS, PREVENT TRACK-OUT. DO NOT STAGE/STORE MATERIALS OR EQUIPMENT WITHIN STREET R.O.W.

EX. FIBER OPTICS

EX. TRAFFIC SIGNAL W/STREET LIGHT

EX. STORM SEWER MH (NOT SURVEYED)

EX. STORM SEWER MH, USE IN PLACE.

REMOVE 46 LF OF 18" CMP.

EX. STORM SEWER TIMBER PILE OUTLET. REMOVE HORIZONTAL MEMBERS. USE VERTICAL PILES IN PLACE.

EDGE OF WATER, TYP.

EX. WETLANDS, TYP.

OHWM

EX. 18" STORM SEWER

EX. CONCRETE RECREATIONAL TRAIL

EX. CONCRETE ABUTMENT

EX. LIMITS OF BRIDGE (ABOVE)

EX. WETLANDS, TYP.

BRIDGE

SALT CREEK CHANNEL FLOW

EX. FIRE HYDRANT

EX. TRAFFIC SIGNAL W/STREET LIGHT

EX. STORM SEWER HEADWALL

15+00

16+00

17+00

17+50

GRAPHIC SCALE
0 5 10 20
UNIT OF MEASURE IS FEET

Know what's **below.**
Call before you dig.

JEO CONSULTING GROUP INC
800.723.8567

SALT CREEK PIPE REPLACEMENT AT CHARLESTON STREET LINCOLN, NEBRASKA LOWER PLATTE SOUTH NRD

EXISTING SITE PLAN & DEMOLITION PLAN

PROFESSIONAL CIVIL ENGINEER
ROSS E. LAWRENCE
E-16618
STATE OF NEBRASKA

PROJECT NO.	200755.00
DATE	9/30/2020
DRAWN BY	EJO
FILE NAME	S-200755.00_C1.1.dgn
FIELD BOOK	Salt Creek #1 & #2
FIELD CREW	JG/JM/HH
SURVEY FILE NO.	140568.00
PLAN IN HAND INITIALS	REL
PLAN IN HAND DATE	07/29/2020
70 PERCENT REVIEW INITIALS	JJS
70 PERCENT REVIEW DATE	09/09/2020
95 PERCENT REVIEW INITIALS	KWK
95 PERCENT REVIEW DATE	09/29/2020
REVISIONS	

C1.1

SALT CREEK PIPE REPLACEMENT AT CHARLESTON STREET LINCOLN, NEBRASKA LOWER PLATTE SOUTH NRD

SUN VALLEY BLVD
HIGHWAY NO.6

CHARLESTON ST

15+00

16+00

17+00

17+50

EX. TRAFFIC SIGNAL W/STREET LIGHT

EX. FIBER OPTICS

EX. 18" STORM SEWER

EX. CONCRETE RECREATIONAL TRAIL

EX. FIRE HYDRANT

STA. 16+80,
TAP EXISTING 4'x4' STORM SEWER MANHOLE WITH 18" CMP.

STA. 16+80 TO STA. 17+25,
INSTALL 46 LF OF 18" CMP.

STA. 17+25,
RE-CONSTRUCT TIMBER PILE SUPPORTS, SEE SHEET D1.1.

STA. 17+25,
INSTALL AUTOMATIC FLAP GATE ON 18" CMP.

EDGE OF WATER

EX. WETLANDS, TYP.

OHWM

SALT CREEK CHANNEL FLOW

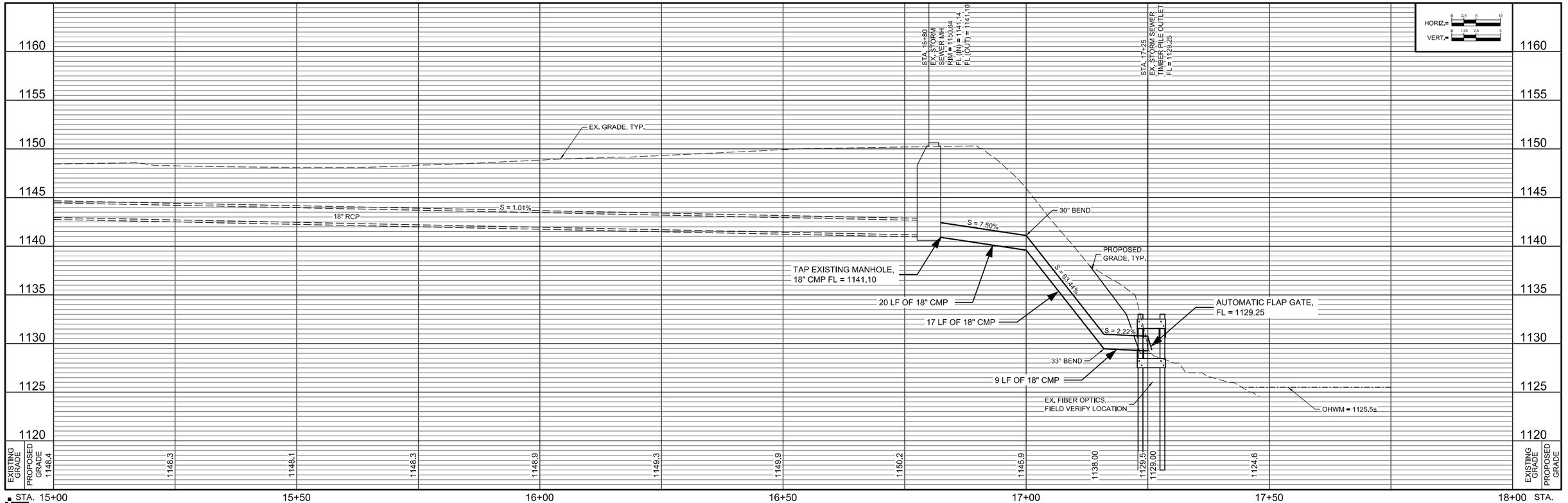
EX. LIMITS OF BRIDGE (ABOVE)

EX. BRIDGE

GRAPHIC SCALE
0 5 10 20
UNIT OF MEASURE IS FEET

PROFESSIONAL CIVIL ENGINEER
ROSS E. LAWRENCE
E-16618
STATE OF NEBRASKA

811
Know what's below.
Call before you dig.



JEO CONSULTING GROUP INC

REVISION	REVISION	FIELD BOOK	FIELD CREW	REVIEW BY	REVIEW DATE	DRAWN BY	DATE	PROJECT NO.	FILE NAME	PLAN & PROFILE - STORM SEWER	PP1.1
		Salt Creek #1 & #2	JG/JM/HH	KWK	09/29/2020	EJO	9/30/2020	200755.00	S-200755.00_PP1.1.dgn		

Plot Driver Used: K:\Bentley\Resources\V8i\JEO_OpenRoads\Workspace\Standards\pltcfg\Half_Size_PDF_B&W.pltcfg
Pen Table Used: K:\Bentley\Resources\V8i\JEO_OpenRoads\Workspace\Standards\tables\JEO_pentable.tbl
File Name and Location: P:\Engineering\200755.00 - Lower Platte South NRD Salt Creek Pipe Replacement\7 Design\2 Drawings\Sheets\S-200755.00_ PP1.1.dgn
Print Date/Time: 9/30/2020 10:54:35 AM
By: edson

October 14, 2020

Lower Platte South NRD
Attn: Paul Zillig
3125 Portia St
Lincoln, NE 68521

Re: ***Bid Recommendation***
Salt Creek Pipe Replacement at Charleston Street
JEO Project No. 200755.00

Dear Mr. Zillig and Board Members:

On October 13, 2020, JEO Consulting Group, representing the NRD, received three (3) bids for the Salt Creek Pipe Replacement at Charleston Street project. Enclosed is a copy of the Bid Tabulation sheet that lists all bidders and their submitted prices.

The low bidder, Yost Excavating, from Nebraska City, NE submitted a total price of **$31,991.00.** They shall commence work approximately one week after notice to proceed and will be complete by December 15, 2020.

The total price is very near the Engineer's Opinion of Cost and within reason for this project. JEO recommends that the NRD award the project to Yost Excavating at the bid price of **$31,991.00.**

If you have any questions about the enclosed, please contact me at your convenience.

Sincerely,

Ross E. Lawrence, PE, CFM
Project Manager

Enclosure
- Bid Tabulation

Bid Tab

PROJECT | Salt Creek Pipe Replacement at Charleston Street for Lower Platte South Natural Resources District

JEO PROJECT NO. | 200755.00

LOCATION | Lincoln, Nebraska

LETTING | 10/13/2020 02:30 PM CDT

Bidder	Total Base Bid
Yost Excavating, Inc. Nebraska City, NE	$31,991.00
H.R. Bookstrom Construction, Inc. Lincoln, NE	*$45,924.00*
M.E. Collins Contracting Co., Inc. Wahoo, NE	$56,445.20

LOWER PLATTE SOUTH
natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581
P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

Memorandum

Date: October 9, 2020

To: Urban Subcommittee

From: Tracy Zayac

Subject: Status update on current CAP Projects

Following is a short summary of the current status of in-progress CAP projects.

1. The Preserve HOA dam rehabilitation (approved 7/20/2018): Received reimbursement request. Project closed out 7/13/2020.
2. Weeping Water Gospel Run bank stabilization Phase 1 (approved 11/16/2018): Design plans received; waiting on reimbursement request.
3. Garland drainage study (approved 7/25/2019): Final reimbursement request received. Project closed out 8/26/2020.
4. Shadow Pines Townhome HOA bank stabilization Phase 2 (approved 9/18/2019): The contractor is finalizing repairs and reseeding the bank stabilization site.
5. Louisville Mill Creek bank stabilization Phase 1 (approved 9/18/2019): Received reimbursement request.
6. Louisville Mill Creek bank stabilization Phase 1 (approved 7/24/2020): construction complete and inspected 9/30/2020. Received reimbursement request.
7. Foreman Ridge pond rehab Phase 1 (approved 7/24/2020): H&H study is done. The original outlet-pipe idea has proven cost-prohibitive, so they are looking at a couple of ideas for reconfiguring/reinforcing the existing concrete weirs. Preliminary design plans are expected to be completed in mid-October.