




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: February 10, 2022
To: Urban Subcommittee
From: Jared Nelson, District Engineer 
Subject: Urban Subcommittee Meeting Minutes – February 2022

The Urban Subcommittee met virtually at 5:30pm, on Tuesday, February 8, 2022. Subcommittee members participating included Tom Green, Gary Aldridge, Lisa Lewis, Larry Ruth, Ray Stevens, and John Yoakum. Others participating included Board Chair Deb Eagan; NRD staff Al Langdale, Bryce Jensen, Tracy Zayac and Jared Nelson; Frank Doland with Alfred Benesch & Company; and Lindy Rogers with FYRA Engineering. Director Green called the meeting to order at 5:30pm. There were three items the Subcommittee took action on, as described below.

(a.) Consideration of Bids for Salt Creek Levee Slide Gate Repairs at STA 103+65R (near South 1st & South Street) – First, Al Langdale described the Salt Creek Levee Slide Gate Repairs at STA 103+65R, a project near South 1st and South St. He described how this project is to replace slide gates and repair joints and concrete in a triple 5.5 FT by 5.5 FT reinforced concrete box culvert which runs through the levee and discharges to Salt Creek. He described how the District hired FYRA who completed design and development of the plans, and that project was advertised beginning on January 17, 2022 to receive bids for construction. He said the bid opening was Friday, February 4, 2022 and the District received five bids, with MC Wells Contracting, Inc. having the low bid of \$139,807.50.

Langdale described how Lindy Rogers with FYRA reviewed the bids and provided a letter with a recommendation to award the project to MC Wells Contracting. Rogers discussed the bids and the Engineer's Opinion of Cost for construction of \$267,626. The Subcommittee discussed the project and the bids, with Langdale and Rogers answering questions. See attached plan sheets and Rogers' Letter of Recommendation.

It was moved by Stevens, seconded by Yoakum, and unanimously approved by the Subcommittee to recommend that the Board of Directors approve the Bid from MC Wells Contracting in the amount of \$139,807.50 for the Salt Creek Levee Slide Gate Repairs near South 1st and South St (STA 103+65R).

(b.) Consideration of Bids for Salt Creek Levee Repairs at STA 76+00 (near Park Ave & West Van Dorn) – Next, Jared Nelson discussed the Salt Creek Levee Repairs at STA 76+00, which is a project to repair a section of eroded levee banks along Salt Creek and to restore with added rip-rap rock armoring. He described how the District hired Alfred Benesch & Company of Lincoln, NE to complete design and

development of the plans (attached), and that project was advertised beginning on January 17, 2022 to receive bids for construction. He said the bid opening was Friday, February 4, 2022 and the District received seven bids, with Dynamic Dirtworks & Demolition, LLC having the low bid of \$73,363.

Nelson described that Frank Doland with Benesch is in the process of reviewing the bids and has asked for qualifications from the three lowest bidders, in conformance to the contract documents. Doland referred to the attached spreadsheet of bids received and discussed the contractors, his review, and the Engineer's Opinion of Cost for construction of \$101,372. Doland said that once the contractors had an opportunity to respond to his request, he would then make a recommendation to the District, but did not have enough information to do so at this time. The Subcommittee discussed waiting for Benesch's and Staff's recommendation, to then considering it next week at a future Subcommittee meeting.

It was moved by Yoakum, seconded by _____ and approved by the Subcommittee (with Green, Lewis, Ruth, Stevens, and Yoakum voting 'yes', and Aldridge voting 'no') to consider a recommendation next week, at a meeting to be determined by the Subcommittee Chair, regarding bids on the Salt Creek Levee Repairs near Park Ave & West Van Dorn (STA 76+00).

(c.) Consideration of Bids to repair Antelope Creek Drainage Structure near 5200 Van Dorn – Next, Bryce Jensen described the Antelope Creek Drainage Structure near 5200 Van Dorn, which is a culvert in need of rehabilitation. He described how the District hired FYRA who completed design and development of the plans, and that project was advertised beginning on January 17, 2022 to receive bids for construction. He said the bid opening was Friday, February 4, 2022 and the District received three bids, with Subsurface, Inc. having the low bid of \$66,985.

Jensen described how Lindy Rogers with FYRA reviewed the bids and provided a letter with a recommendation to award the project to Subsurface, Inc. Rogers discussed the bids and the Engineer's Opinion of Cost for construction of \$55,328. The Subcommittee discussed the project and the bids, with staff and Rogers answering questions. See attached plan sheets and Rogers' Letter of Recommendation.

It was moved by Lewis, seconded by Yoakum, and approved by the Subcommittee (with Green, Lewis, Ruth, Stevens, and Yoakum voting 'yes', and Aldridge voting 'no') to recommend that the Board of Directors approve the Bid from Subsurface, Inc in the amount of \$66,985 for the Antelope Creek Drainage Structure near 5200 Van Dorn.

(d.) Reports - The following reports and updates were given to the Subcommittee:

1. Langdale gave a report on a project to repair the Salt Creek Drainage Structure near North 70th St, and referred to the attached Memorandum from Paul Zillig dated January 31, 2021.
2. Tracy Zayac gave updates on the status of Community Assistance Program projects, and referred to her attached Memorandum dated January 5, 2021.
3. Nelson gave a report on the Deadmans Run Flood Reduction Project. He described that the U.S. Army Corps of Engineers (USACE) is currently designing the channel widening project, and they expect to have 60% plans completed by June 2022. Nelson also described that the USACE is progressing with design of the flume, to be built under the railroad bridges, and that the USACE

has a few more tests they want to run in the physical Flume Model in coordination with the University of Nebraska. He reported that some of the design decisions that the USACE is considering for the flume will likely translate to increased construction costs of the flume.

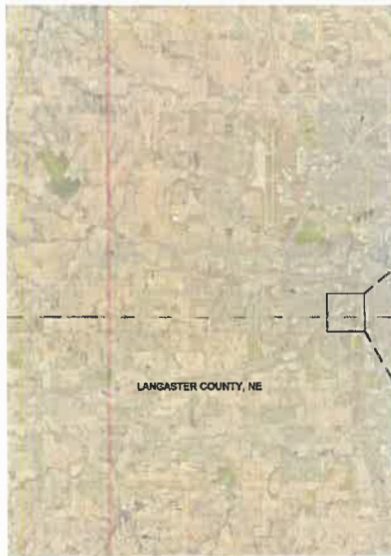
4. Lastly, a video presentation was given to the Subcommittee, showing the Beal Slough Watershed Stream Stability Project (70th to Pine Lake). The video can be accessed and viewed at this website address: <https://youtu.be/-iCubOCMOYg>

There being no further business the meeting adjourned at approximately 6:20 pm.

JN/jn



LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT SALT CREEK SLIDE GATE REPAIRS STA 103+65 R LANCASTER COUNTY, NE



LOCATION MAP



SITE MAP
NOT TO SCALE

SHEET INDEX

- A.1 COVER SHEET
- A.2 GENERAL NOTES AND QUANTITIES
- B.1 SITE ACCESS
- D.1 SLIDE GATE AS-BUILTS
- D.2 SLIDE GATE PRELIMINARY DRAWINGS
- D.3 JOINT REPAIR DETAILS
- P.1 PLAN AND PROFILE

DESIGNED BY:
FYRA ENGINEERING
12702 WESTPORT PARKWAY, SUITE 300
OMAHA, NE 68138
402.502.7131
WWW.FYRAENGINEERING.COM

OWNER:
 3125 PORTIA STREET
LINCOLN, NE 68521
402.476.2729
WWW.LPSNRD.ORG

SALT CREEK SLIDE GATE REPAIRS STA 103+65 R
LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT
LANCASTER COUNTY, NE
2021

ENGINEER'S SEAL



REVISIONS	
NO.	DATE

DESIGNED BY: MCR
DRAWN BY: ERB
CHECKED BY:
PROJECT NO.: 003-21-03
DATE: 12.21.2021

TITLE
COVER SHEET

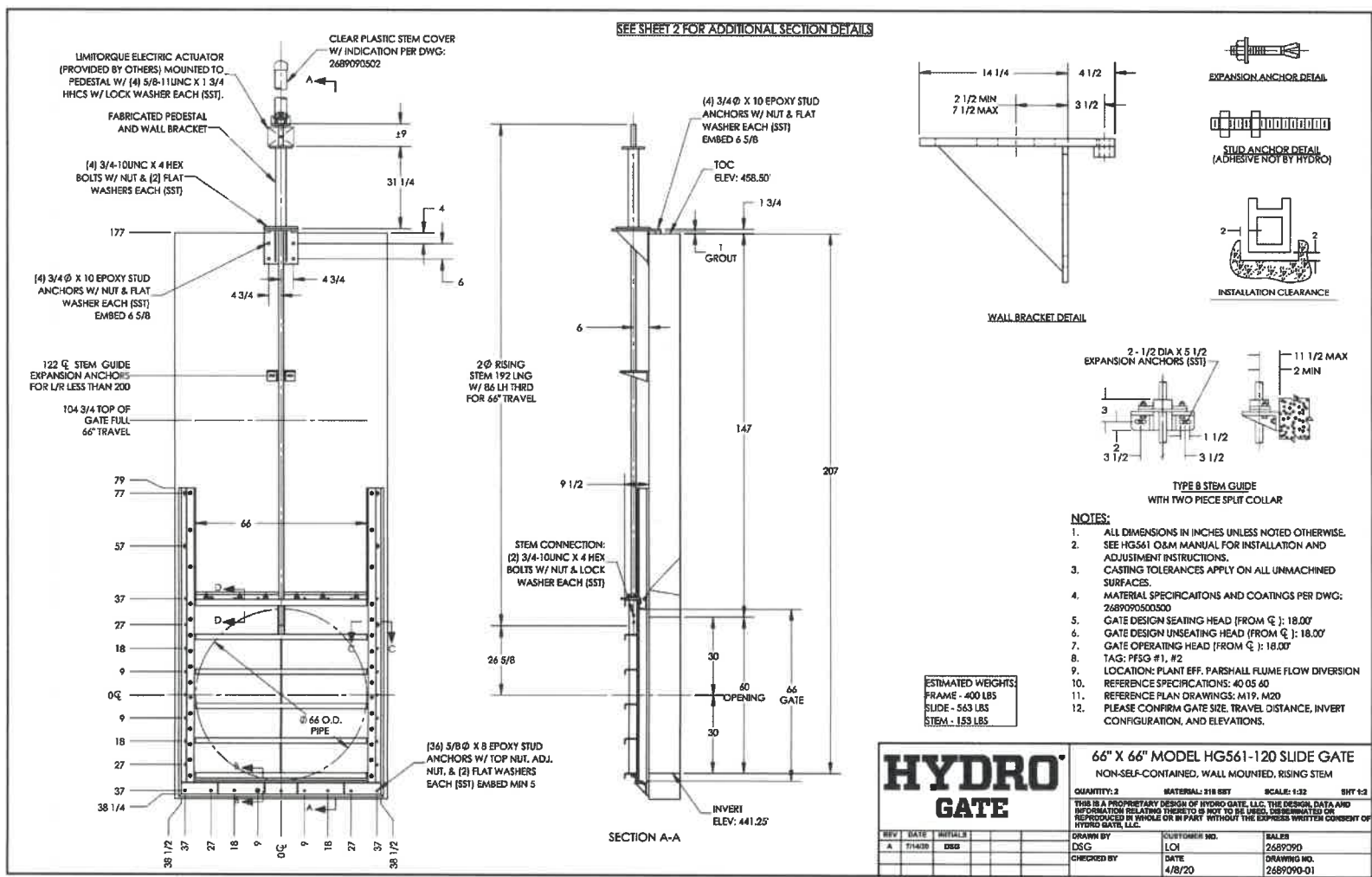
SHEET
A.1



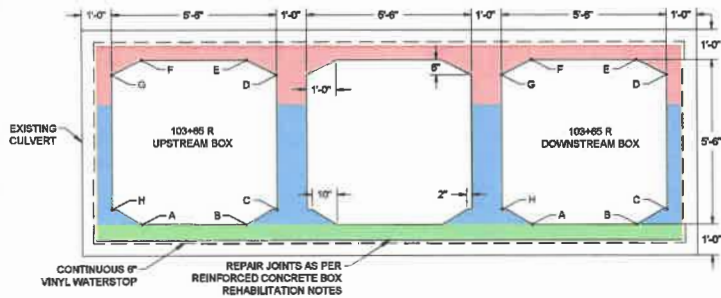
REVISIONS	
NO.	DATE

DESIGNED BY: MCR
DRAWN BY: ERS
QA I & QC BY:
PROJECT NO.: 003-21-03
DATE: 12.21.2021

TITLE
**SLIDE GATE
SHOP
DRAWINGS**



NOTE: THESE ARE TYPICAL DETAILS PROVIDED BY THE SUPPLIER. INSTALLATION DIMENSIONS AND FINAL SHOP DRAWINGS SPECIFIC TO THESE CULVERTS WILL VARY SLIGHTLY AND WILL BE PROVIDED BY THE SUPPLIER ONCE THE GATES HAVE BEEN ORDERED. MATERIAL TYPE SHALL BE STAINLESS STEEL.



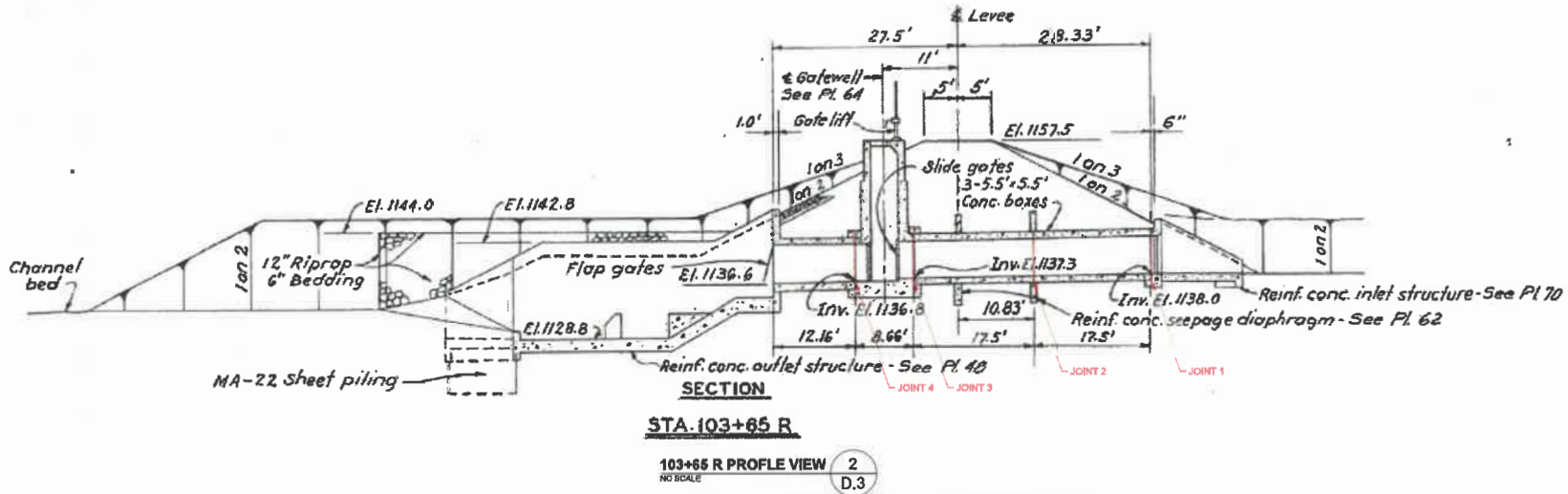
REINFORCED CONCRETE BOX JOINT REPAIR NOTES

- 1.0 CLEAN JOINTS OF DEBRIS AND DEWATER.
- 2 APPLY ONE LAYER OF OAKUM ROPE ACCORDING TO MANUFACTURE SPECIFICATIONS. OAKUM ROPE SHALL BE APPLIED IN JOINTS WITH A GAP EXCEEDING 2-INCHES.
- 3 APPLY SIKADUR-32 HIGH MOD TO EXPOSED CONCRETE SURFACES TO CREATE BOND BETWEEN EXISTING CONCRETE SURFACES.
- 4 CONSTRUCT PLASTIC COATED FORMS ON VERTICAL WALLS, FORMS SHALL BE CONSTRUCTED TO A HEIGHT THAT PROVIDES CLEARANCE TO FOUR MORTAR PRODUCTS IN VOIDS (APPROXIMATELY 18-INCHES FROM THE TOP OF THE RCB).
- 5 POUR SIKACRETE 100 CI TO TOP OF FORMS.
- 6 HAND PACK REMAINING VERTICAL AND OVERHEAD COMPONENTS WITH SIKAGUICK VOH. SIKAGUICK VOH MAY BE PLACED AT A MAXIMUM THICKNESS OF 3-INCHES, SO MULTIPLE APPLICATIONS MAY BE REQUIRED.
- 7 APPLY PREFORMED BITUMASTIC JOINT FILLER IN JOINT GAPS LESS THAN 1 1/2-INCHES. BITUMASTIC PRODUCT SHALL CONFORM TO AASHTO M 33 AND NDOR STANDARD SPECIFICATION SECTION 1016.

CULVERT JOINT REPAIR DETAIL 1
NO SCALE D.3

LOCATION ¹	JOINT GAP BETWEEN ABUTTING BOX CULVERT SECTIONS ² (in)								PROPOSED JOINT REPAIR METHOD
	A	B	C	D	E	F	G	H	
103+65 R (UPSTREAM) - JOINT 1	0.625	0.625	0.375	0.375	1	1	0.625	0.625	BITUMASTIC JOINT FILLER
103+65 R (UPSTREAM) - JOINT 2	2.5	2.5	2.375	2.375	2.5	2.5	1.25	1.25	MORTAR & BITUMASTIC
103+65 R (UPSTREAM) - JOINT 3	1	1	2.75	2.75	2.75	2.75	2	2	MORTAR & BITUMASTIC
103+65 R (UPSTREAM) - JOINT 4	1.5	1.5	2.125	2.125	2.125	2.125	2.125	2.125	MORTAR
103+65 R (CENTRAL) - JOINT 1	2	2	0.625	0.625	0.625	0.625	0.625	0.625	MORTAR & BITUMASTIC
103+65 R (CENTRAL) - JOINT 2	3	3	2.625	2.625	2	2	2	2	MORTAR
103+65 R (CENTRAL) - JOINT 3	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	MORTAR
103+65 R (CENTRAL) - JOINT 4	2	2	1.5	1.5	2	2	1.75	1.75	MORTAR
103+65 R (DOWNSTREAM) - JOINT 1	2	2	0.875	0.875	1	1	1	1	MORTAR & BITUMASTIC
103+65 R (DOWNSTREAM) - JOINT 2	4	4	2.25	2.25	2.25	2.25	2.25	2.25	MORTAR & BITUMASTIC
103+65 R (DOWNSTREAM) - JOINT 3	1.25	1.25	2.25	2.25	1.75	1.75	1.75	1.75	MORTAR & BITUMASTIC
103+65 R (DOWNSTREAM) - JOINT 4	2	2	1.75	1.75	1.75	1.75	1.75	1.75	MORTAR

NOTE¹: REFER TO THE PROVIDED PROFILE AND PLAN VIEWS TO DETERMINE THE LOCATION OF NOTED JOINTS
NOTE²: THE PROVIDED CROSS-SECTIONS REFERENCE THE LOCATION OF MEASUREMENT (A THRU H) NOTED IN THE TABLE



ENGINEER'S SEAL

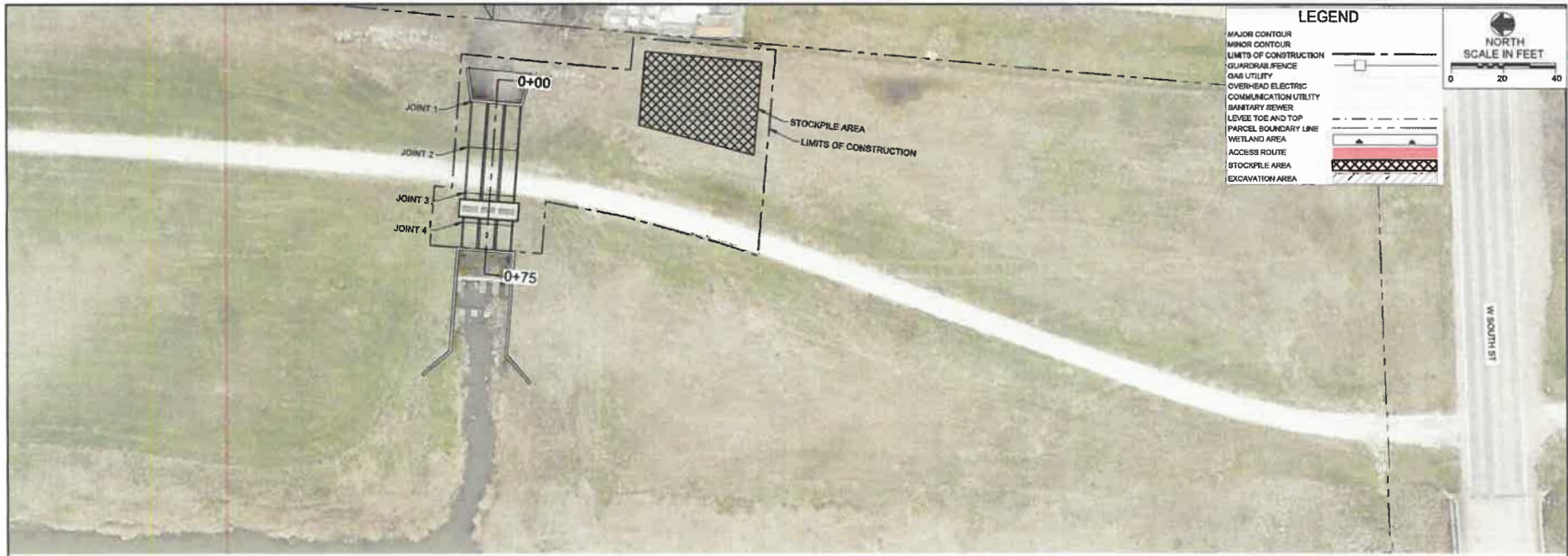


REVISIONS	
NO.	DATE

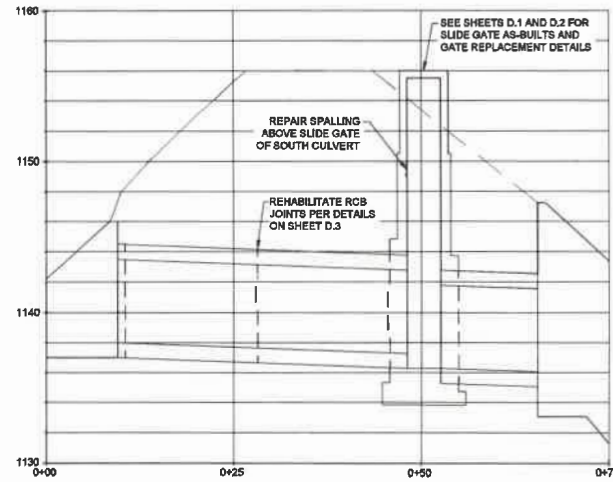
DESIGNED BY: MCR
DRAWN BY: ERG
QA/OC BY:
PROJECT NO.: 062-21-03
DATE: 12-21-2021

TITLE
JOINT REPAIR
DETAILS

SHEET
D.3



PLAN VIEW



PROFILE VIEW

FYRA
ENGINEERING
12702 Westport Pkwy, Ste 300
Omaha, Nebraska 68138
402.592.7151
www.fyraengineering.com

SALT CREEK SLIDE GATE REPAIRS STA. 103+65 R
LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT
LANCASTER COUNTY, NE
2021

ENGINEER'S SEAL



REVISIONS	
NO.	DATE

DESIGNED BY: MCR
DRAWN BY: ERG
QA/QC BY:
PROJECT NO.: 003-21-03
DATE: 12.21.2021

TITLE
PLAN AND PROFILE

SHEET
P.1



4 February 2022

Al Langdale
Lower Platte South NRD
3125 Portia Street
Lincoln, NE 68521

Re: Salt Creek Slide Gate Repair Sta 103+65R

Dear Al:

The bid opening for the above-referenced project was held at the LPSNRD on 4 February 2022. Six bids were received in total with the low bid of \$139,807.50 received from MC Wells Contracting, Inc of Omaha, Nebraska. This bid was \$127,818.50 below the Engineer's Opinion of Probable Costs that totaled \$267,626. All required documents accompanied the bid. The other five bids are listed below:

Subsurface, Inc	\$173,244
General Excavating	\$192,797
Judd Bros. Construction Co.	\$193,471
ECI	\$397,655
H.R. Bookstrom Construction, Inc	\$433,769

Your NRD has worked with MC Wells recently on a culvert rehabilitation project in Salt Creek and they completed the project to specifications below the allotted working days. I personally contacted several references that MC Wells had provided me for this first Salt Creek project, and all of the references were positive which falls in line with my personal experience with them. My recommendation is to award the project to MC Wells Contracting, LLC and begin the contracting process upon Board approval. Please feel free to contact me if you have any questions.

Sincerely,

Lindy Rogers, P.E.

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CONSTRUCTION PLAN	2
TYPICAL SECTIONS	3
WETLAND IMPACT	4

LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT (LPSNRD) SALT CREEK LEVEE REPAIR

2020

LINCOLN, NEBRASKA

AREA MAP



netcall.com
Nebraska 811

PRIOR TO CONSTRUCTION:
CALL: 1-800-331-8666 FOR LOCATION OF UNDERGROUND TELEPHONE, ELECTRIC, GAS MAINS, CABLE TELEVISION, WATER, SEWER OR ANY OTHER 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.

- GENERAL NOTES**
1. THE APPROXIMATE LOCATION OF KNOWN CABLES AND UTILITIES ARE INDICATED ON THE PLANS. ALL CABLES AND UTILITIES MAY NOT BE SHOWN. PRIOR TO BEGINNING ANY WORK ALL CONTRACTORS SHALL HAVE CONTACTED ONE CALL TO LOCATE TELEPHONE, GAS, WATER, SEWER, COMMUNICATION, LIGHTING LINES AND OTHER CABLES / UTILITIES WITHIN THE CONSTRUCTION SITE.
 2. EXISTING PAVEMENT, TURF, ROADS, CABLES, UTILITIES, AND INCIDENTALS THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT.
 3. THE ITEMS IDENTIFIED IN THE SCHEDULE OF APPROXIMATE QUANTITIES ARE INTENDED TO IDENTIFY THE MAJOR WORK ITEMS. ALL ITEMS NOT SPECIFICALLY MENTIONED SHALL BE CONSIDERED SUBSIDIARY TO BID ITEMS TO WHICH THEY ARE RELATED AND WILL NOT BE CONSIDERED AS PAY ITEMS.
 4. THE CONTRACTOR SHALL PRESERVE ALL SURVEY CONTROL. THE CONTRACTOR IS RESPONSIBLE FOR ALL STAKING ON THIS PROJECT.
 5. EXCAVATIONS THAT WILL BE OCCUPIED BY PERSONNEL SHALL BE MADE IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) CONSTRUCTION STANDARD-29 CFR PART 1926, SUBPART P-EXCAVATIONS. OSHA STATES THAT A SOIL SHALL BE RECLASSIFIED IF THE PROPERTIES, FACTORS OR CONDITIONS AFFECTING THE SOIL'S CLASSIFICATION CHANGE IN ANY WAY. SHEET PILING AND/OR SHORING WILL BE NECESSARY IF THE SIDES OF THE EXCAVATION CANNOT BE SLOPED TO MEET OSHA REGULATIONS.

SCHEDULE OF APPROXIMATE QUANTITIES - GENERAL

ITEM DESCRIPTION	UNIT	QUANTITY
SITE PREPARATION & MOBILIZATION	LS	1
CONSTRUCTION STAKING	LS	1
EXCAVATION	CY	1210
RIPRAP	TONS	385
NDOT CLASS "E" AGGREGATE	CY	90
NDOT CLASS "B" AGGREGATE	CY	30



NO.	REVISIONS	DATE

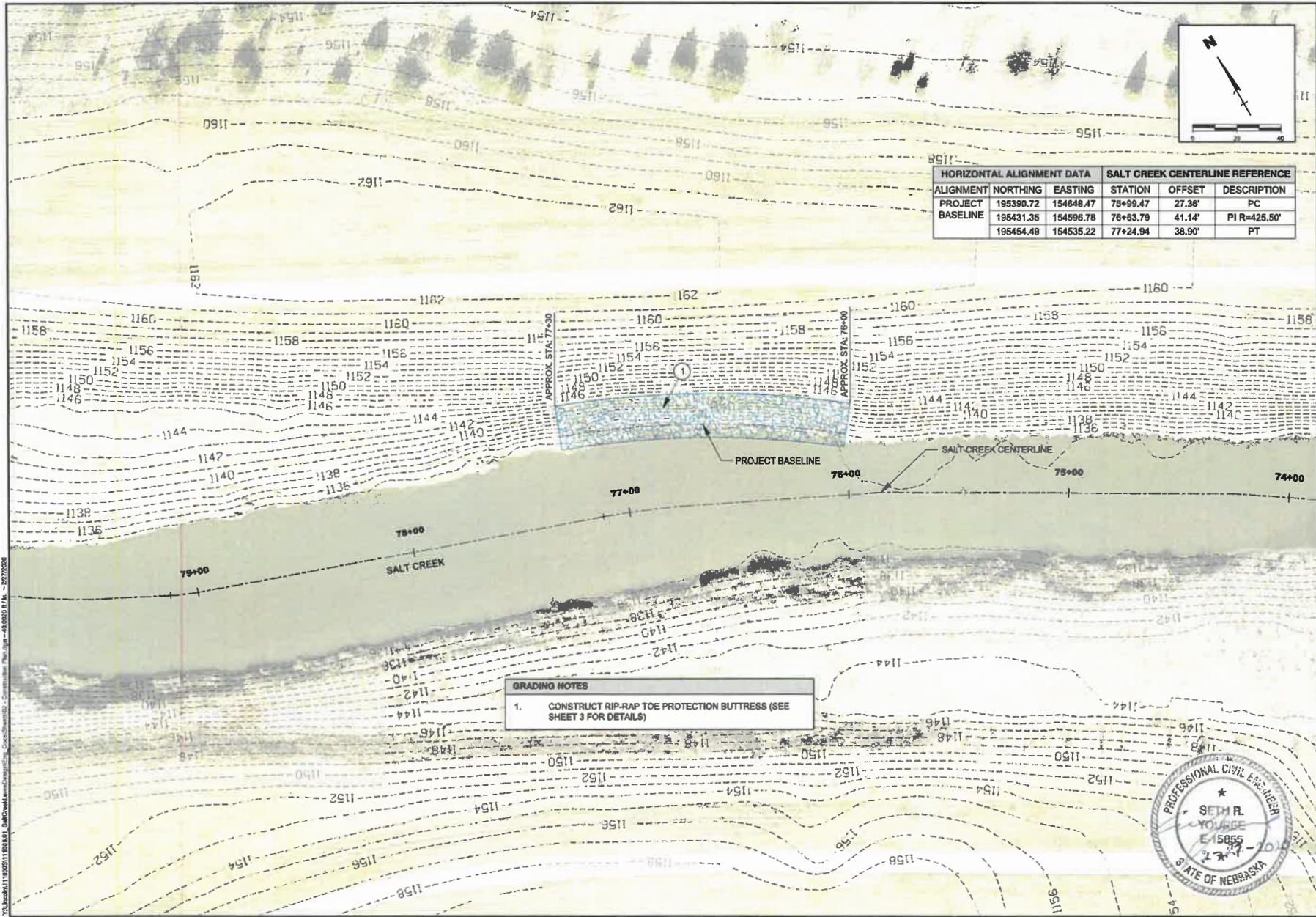
COVER SHEET

LOWER PLATTE SOUTH
NATURAL RESOURCES DISTRICT
SALT CREEK
LEVEE REPAIR



PROJECT	111888.01
DATE	2/27/2020

1 OF 4



HORIZONTAL ALIGNMENT DATA		SALT CREEK CENTERLINE REFERENCE			
ALIGNMENT	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
PROJECT	195390.72	154648.47	75+99.47	27.38'	PC
BASELINE	195431.35	154596.78	76+63.79	41.14'	PI R=425.50'
	195454.48	154535.22	77+24.94	38.90'	PT

GRADING NOTES

1. CONSTRUCT RIP-RAP TOE PROTECTION BUTTRESS (SEE SHEET 3 FOR DETAILS)



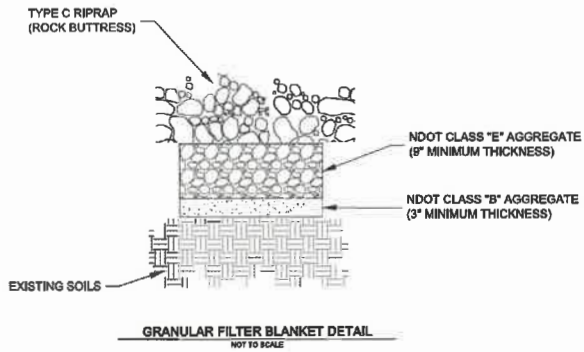
NO.	REVISIONS	DATE

CONSTRUCTION PLAN

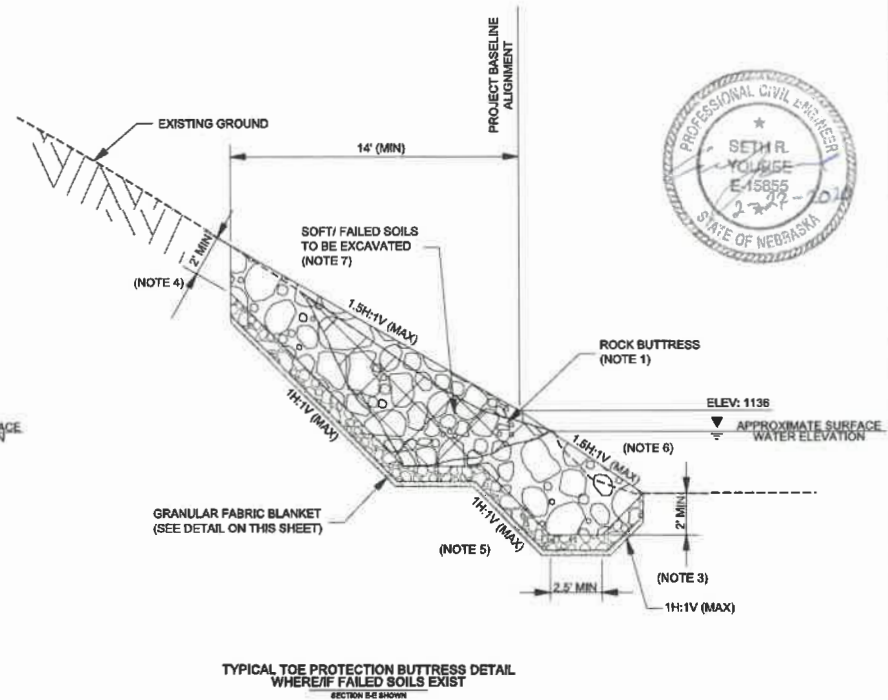
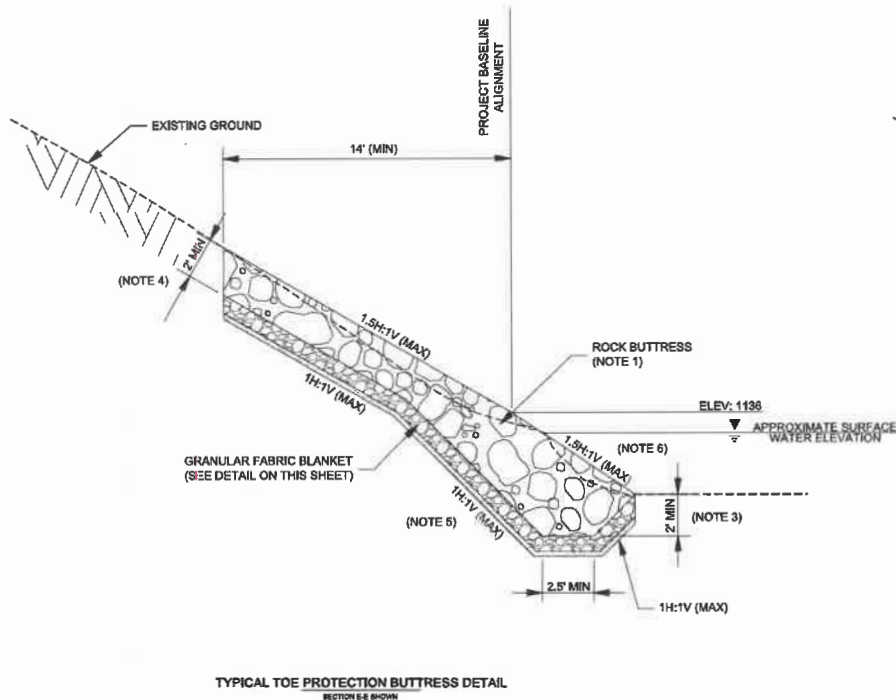
**LOWER PLATE SOUTH
NATURAL RESOURCES DISTRICT
SALT CREEK
LEVEE REPAIR**



PROJECT	1118931
DATE	3/2/2020



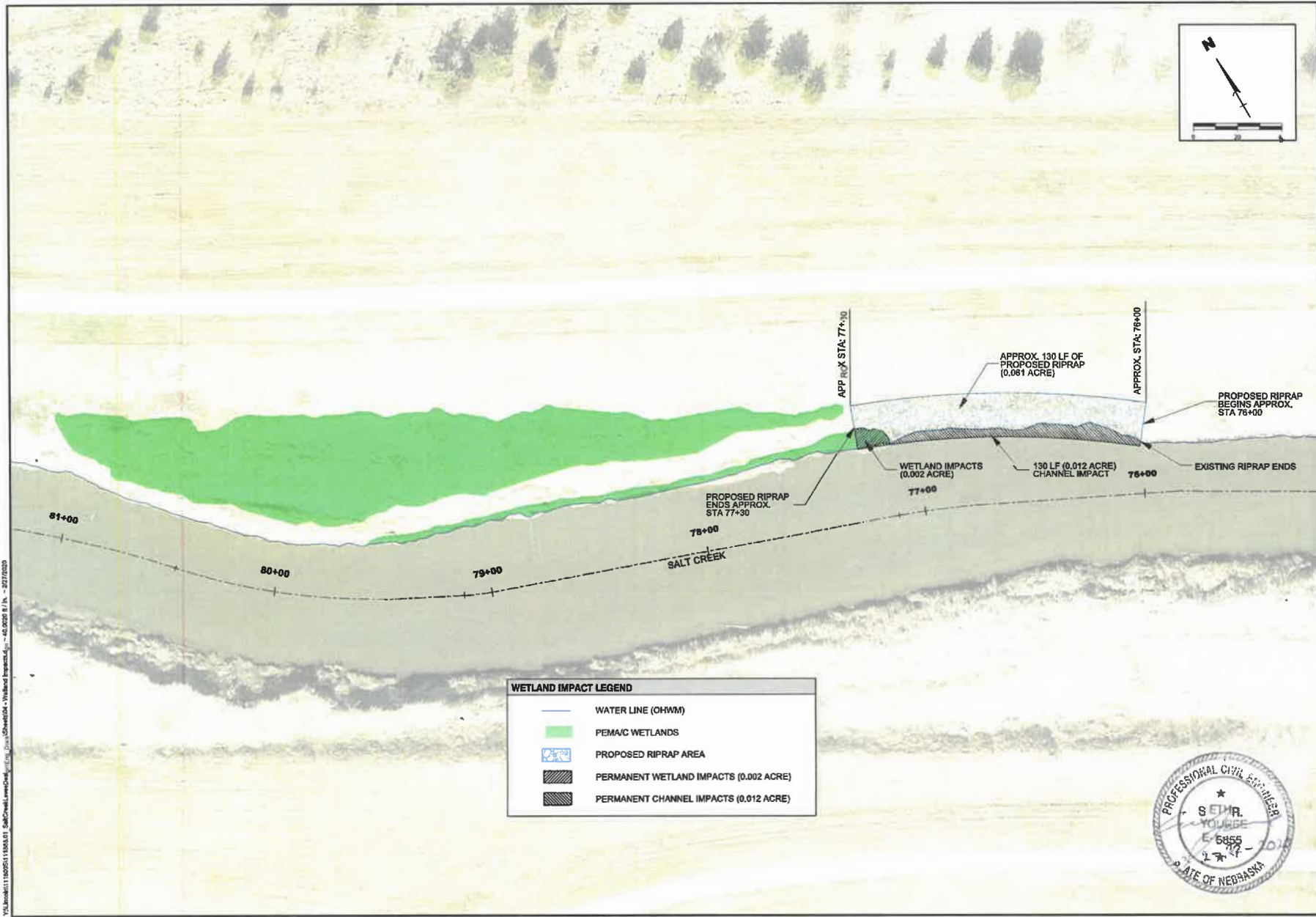
- NOTES**
1. TYPE "C" RIPRAP PER NDOT STANDARD SPECIFICATIONS. RIPRAP SHALL BE PLACED SO AS TO EXTEND ABOVE THE BANK EROSION LINE.
 2. GRANULAR FILTER BLANKET AGGREGATES SHALL BE AS DEFINED IN SECTION 1033 OF NDOT STANDARD SPECIFICATIONS 2017.
 3. THE BUTTRESS TOE SHALL BE EMBEDDED A MINIMUM OF 2 FEET BELOW EXISTING CHANNEL GRADE. THE BUTTRESS TOE WIDTH SHALL BE A MINIMUM OF 2.5 FEET.
 4. THE BACK BUTTRESS HEIGHT SHALL BE A MINIMUM OF 2 FEET.
 5. THE BANK SLOPE SHALL BE EXCAVATED AT A MAXIMUM SLOPE OF 1H:1V. SLOPES MAY BE LESS THAN 1H:1V DEPENDING ON BANK GEOMETRY.
 6. THE FRONT SLOPE OF THE BUTTRESS SHALL HAVE A MAXIMUM SLOPE OF 1.5H:1V.
 7. AT LOCATIONS WHERE THERE ARE FAILED OR SOFT SOILS PRESENT ON THE BANK SURFACE, THESE FAILED OR SOFT SOILS SHALL BE REMOVED. WHERE REQUIRED, ADDITIONAL RIPRAP SHALL BE PLACED AS INFILL FOR REMOVED SOILS. WHERE THE BANK GEOMETRY EXTENDS OUTSIDE OF THE TYPICAL ROCK BUTTRESS DIMENSIONS, ADDITIONAL RIPRAP SHALL BE PLACED AS INFILL.



TYPICAL SECTIONS

LOWER PLATTE SOUTH
NATURAL RESOURCES DISTRICT
SALT CREEK
LEVEE REPAIR

bensch
Alfred Bensch & Company
8202 M Street
Omaha, NE 68164
402-476-2200 FAX No. 402-476-2200



NO.	REVISIONS	DATE

WETLAND IMPACTS

**LOWER PLATTE SOUTH
NATURAL RESOURCES DISTRICT
SALT CREEK
LEVEE REPAIR**



benesch
Applied Research & Company
202 N. Street
Lincoln, NE 68508
402-478-2500 FAX No. 402-478-2509

PROJECT	11183421
DATE	3/27/2009

**Lower Platte South NRD
Salt Creek Levy Repairs - Bid Tabs**

**Bid Tabs
2/4/2022**

	B	C	D	E	J	K	M	N	P	Q	S	T
1												
2					Engineer's Estimate		Dynamic Dirtworks & Demolition, LLC		Nebraska Digging Services		Gana Trucking & Excavating	
3	Pay Item No.	Description	Estimated Quantity	Unit	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
4	1	Site Preparation & Mobilization	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 10,000.00	\$ 8,249.57	\$ 8,249.57
5	2	Construction Staking	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 2,700.00	\$ 2,700.00
6	3	Excavation	1,210	LS	\$ 30.00	\$ 36,300.00	\$ 9.00	\$ 10,890.00	\$ 18.00	\$ 21,780.00	\$ 14.85	\$ 17,968.50
7	4	RipRap	385	Tons	\$ 90.00	\$ 34,650.00	\$ 67.00	\$ 25,795.00	\$ 75.00	\$ 28,875.00	\$ 78.60	\$ 30,261.00
8	5	NDOT Class "E" Aggregate	90	CY	\$ 70.00	\$ 6,300.00	\$ 67.65	\$ 6,088.50	\$ 75.00	\$ 6,750.00	\$ 98.15	\$ 8,833.50
9	6	NDOT Class "B" Aggregate	30	CY	\$ 12.40	\$ 372.00	\$ 69.65	\$ 2,089.50	\$ 75.00	\$ 2,250.00	\$ 77.81	\$ 2,334.30
10	14	Erosion Control Matting	1,300	SY	\$ 5.00	\$ 6,500.00	\$ 15.00	\$ 19,500.00	\$ 2.50	\$ 3,250.00	\$ 2.54	\$ 3,302.00
11	15	Seeding	1	Acres	\$ 4,500.00	\$ 2,250.00	\$ 5,000.00	\$ 2,500.00	\$ 3,000.00	\$ 1,500.00	\$ 5,280.00	\$ 2,640.00
12					Total	\$ 101,372.00	Total	\$ 73,363.00	Total	\$ 75,905.00	Total	\$ 76,288.87

Lower Platte South NRD
Salt Creek Levy Repairs - Bid Tabs

Bid Tabs
2/4/2022

	B	C	D	E	V	W	Y	Z	AB	AC	AE	AF	
1													
2	MC Wells Contracting, LLC						H.R. Bookstrom Construction, Inc.		Final Grade Construction & Conservation, LLC		Bauer Infrastructure, LLC		
3	Pay Item No.	Description	Estimated Quantity	Unit	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	
4	1	Site Preparation & Mobilization	1	LS	\$ 12,000.00	\$ 12,000.00	\$ 10,000.00	\$ 10,000.00	\$ 55,000.00	\$ 55,000.00	\$ 17,900.00	\$ 17,900.00	
5	2	Construction Staking	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,800.00	\$ 1,800.00	\$ 6,500.00	\$ 6,500.00	
6	3	Excavation	1,210	LS	\$ 24.00	\$ 29,040.00	\$ 40.00	\$ 48,400.00	\$ 20.00	\$ 24,200.00	\$ 54.00	\$ 65,340.00	
7	4	RipRap	385	Tons	\$ 125.00	\$ 48,125.00	\$ 120.00	\$ 46,200.00	\$ 90.00	\$ 34,650.00	\$ 150.00	\$ 57,750.00	
8	5	NDOT Class "E" Aggregate	90	CY	\$ 95.00	\$ 8,550.00	\$ 120.00	\$ 10,800.00	\$ 75.00	\$ 6,750.00	\$ 185.00	\$ 16,650.00	
9	6	NDOT Class "B" Aggregate	30	CY	\$ 95.00	\$ 2,850.00	\$ 65.00	\$ 1,950.00	\$ 75.00	\$ 2,250.00	\$ 200.00	\$ 6,000.00	
10	14	Erosion Control Matting	1,300	SY	\$ 6.00	\$ 7,800.00	\$ 3.00	\$ 3,900.00	\$ 5.00	\$ 6,500.00	\$ 5.00	\$ 6,500.00	
11	15	Seeding	1	Acres	\$ 5,500.00	\$ 2,750.00	\$ 4,000.00	\$ 2,000.00	\$ 1,500.00	\$ 750.00	\$ 4,750.00	\$ 2,375.00	
12						Total	\$ 114,115.00	Total	\$ 124,250.00	Total	\$ 131,900.00	Total	\$ 179,015.00



LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT ANTELOPE CREEK CULVERT REHABILITATION LANCASTER COUNTY, NE



LOCATION MAP



SITE MAP
NOT TO SCALE

SHEET INDEX

- A-1 COVER SHEET
- A.2 GENERAL NOTES AND QUANTITIES
- B.1 SITE ACCESS
- B.2 WORK ZONE TRAFFIC CONTROL
- D.1 OUTLET DETAIL AND AS-BUILTS
- D.2 PEDESTRIAN ACCESS ROUTE
- D.3 CONCRETE PAVEMENT JOINT DETAILS (1 OF 2)
- D.4 CONCRETE PAVEMENT JOINT DETAILS (2 OF 2)
- P.1 PLAN AND PROFILE

DESIGNED BY:
FYRA ENGINEERING
12702 WESTPORT PARKWAY, SUITE 300
OMAHA, NE 68138
402.502.7131
WWW.FYRAENGINEERING.COM

OWNER:
 3125 PORTIA STREET
LINCOLN, NE 68521
402.476.2729
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ANTELOPE CREEK CULVERT REHABILITATION
LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT
LINCOLN, NEBRASKA
2021

ENGINEER'S SEAL



REVISIONS	
NO.	DATE

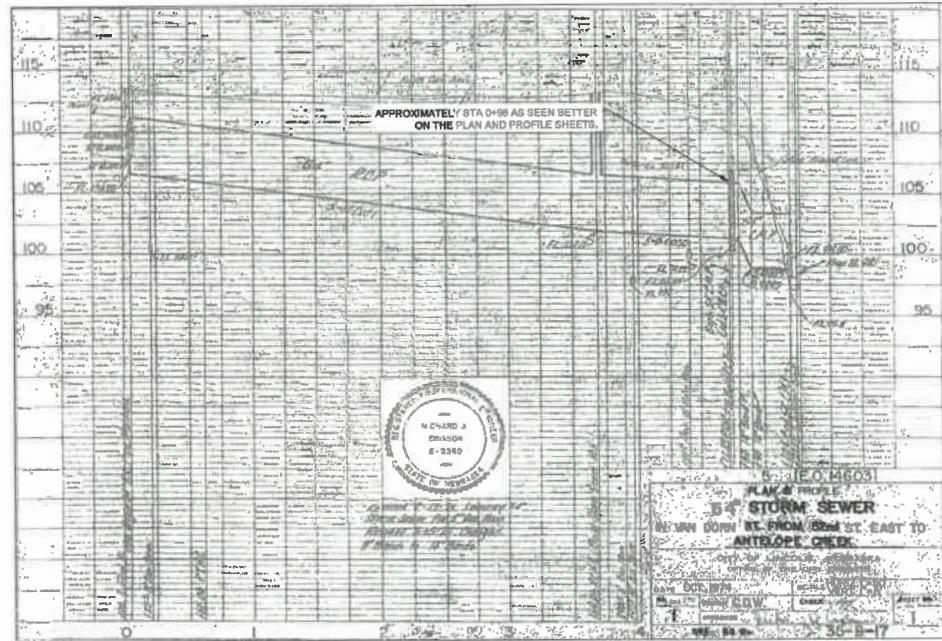
DESIGNED BY: MCR
 DRAWN BY: EPS
 QA / QC BY: MCR
 PROJECT NO.: 002-21-04
 DATE: 12.21.2021

TITLE
COVER SHEET

SHEET
A.1



CHANNEL PHOTOS 1
D.1



ORIGINAL AS-BUILTS 2
D.1

ENGINEER'S SEAL

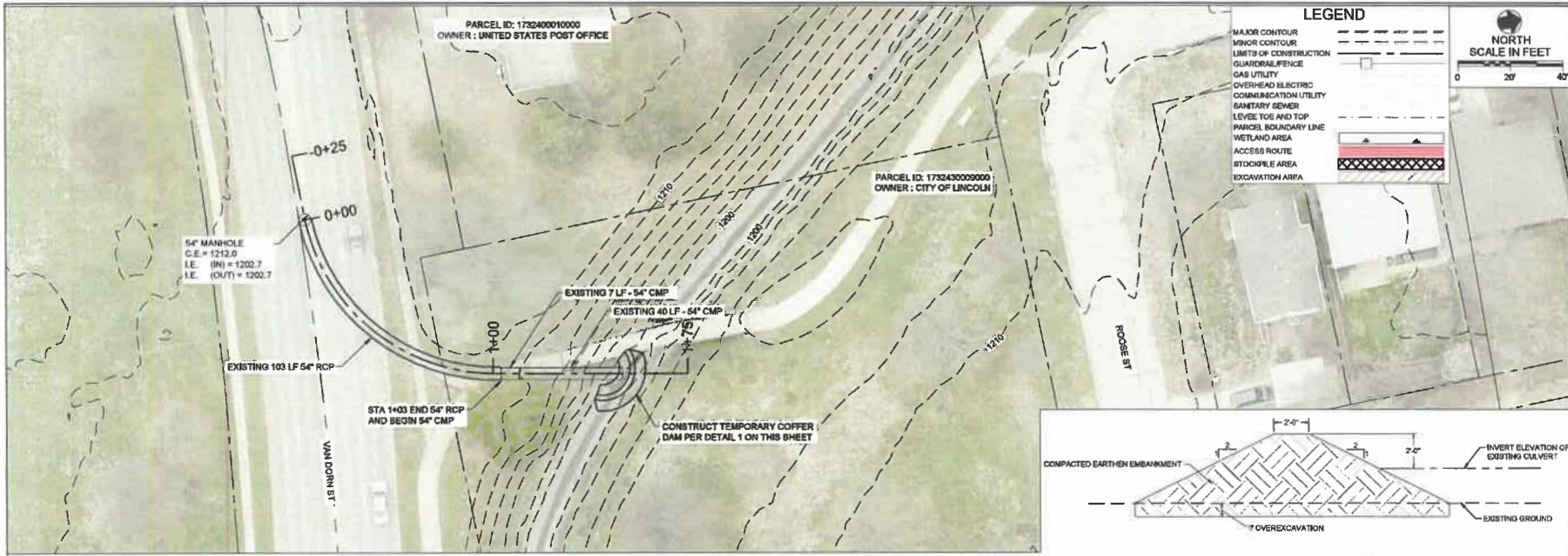


REVISIONS	
NO.	DATE

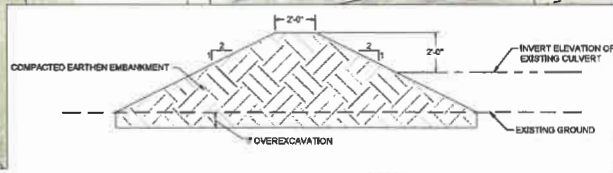
DESIGNED BY: MCR
DRAWN BY: SKC
QA/QC BY: MCR
PROJECT NO.: 000-21-04
DATE: 12.21.2021

TITLE
**OUTLET
DETAIL AND
AS-BUILTS**

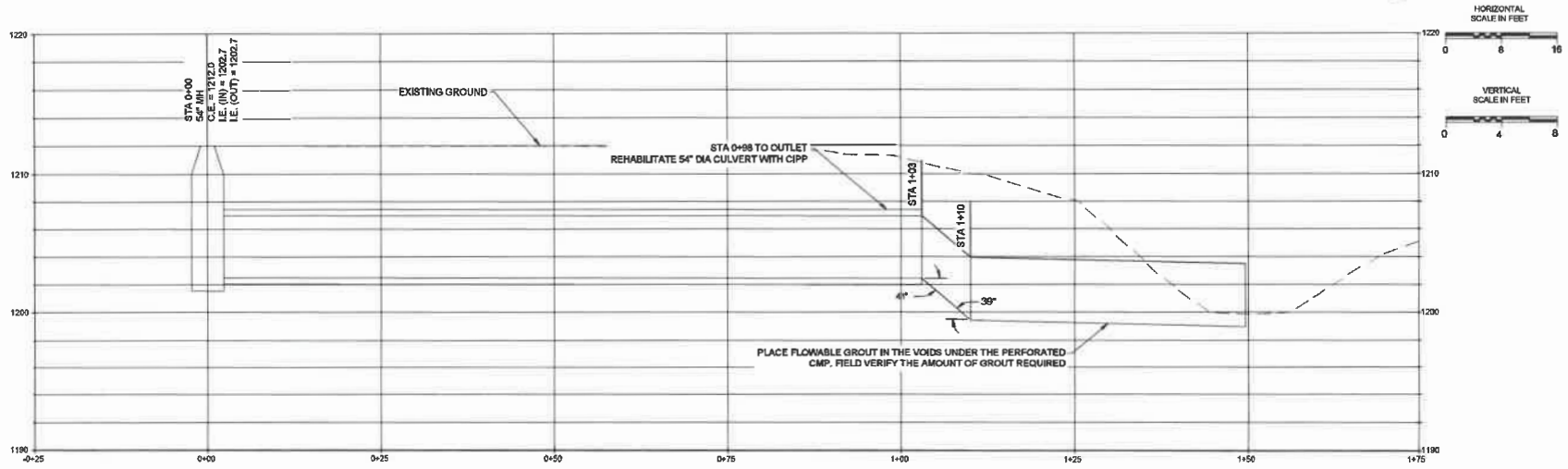
SHEET
D.1



PLAN VIEW



COFFER DAM SECTION 1 P.1



PROFILE VIEW

ENGINEER'S SEAL



REVISIONS	
NO.	DATE

DESIGNED BY: MCR
DRAWN BY: ERS
QA / CHECKED BY: MCR
PROJECT NO.: 002-21-04
DATE: 12/21/2021

TITLE
PLAN AND PROFILE

SHEET
P.1



4 February 2022

Bryce Jensen
Lower Platte South NRD
3125 Portia Street
Lincoln, NE 68521

Re: Antelope Creek Culvert Rehabilitation Project

Dear Bryce:

The bid opening for the above-referenced project was held at the LPSNRD on 4 February 2022. Three bids were received in total with the low bid of \$66,985 received from Subsurface, Inc. of Moorehead, Minnesota. This bid was \$11,657 above the Engineer's Opinion of Probable Costs that totaled \$55,328. All required documents accompanied the bid. The other two bids are listed below:

MC Wells Contracting, LLC	\$108,860
National Power Rodding	\$329,363

Your NRD has worked with Subsurface, Inc recently on a culvert rehabilitation in Deadmans Run Channel and on a dam spillway rehabilitation project. They have a good reputation with your staff and other municipalities in the Midwest. My recommendation is to award the project to Subsurface, Inc. and begin the contracting process upon Board approval. Please feel free to contact me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Lindy Rogers". The signature is written in a cursive, flowing style.


Lindy Rogers, P.E.



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: January 31, 2022
To: Urban Subcommittee
From: Paul Zillig 
Subject: Salt Creek Drainage Structure (North 70th Street)

The Fiscal Year 2023 NRD Budget included funds for replacement of a failing 60 inch stormsewer drop structure at the southeast corner of the North 70th Street bridge over Salt Creek (see attached map). In December of 2020 it was noted that the pipe, installed in 1971, had rusted out and had partially separated. A predecessor to the NRD, Salt Valley Watershed District, and the City agreed in 1965 that the Salt Creek drainage structures would continue to be the responsibility of the District and the City would be responsible for the pipe upstream of the drainage structure.

The NRD's FY 2023 Budget included funds to design and replace the pipe and the City (LTU - Watershed Management) included funds in their budget for the cost of repairs to their upstream portion of the pipe. The NRD included \$25,000 for engineering, \$75,000 for construction, and an additional \$40,000 as contingency funding.

With the anticipated approval of the NRD Budget, NRD staff began discussing the design portion of the project with consulting engineering firms. Shortly after that, we received word that an adjacent Lincoln Water System (LWS) pipe had failed also and water from both failed pipes resulted in the soil supporting both pipes being eroded out forming a ravine and both pipes were destroyed (see photos). In evaluating the situation, it was impossible to determine the exact events that caused the failure, we agreed to each be responsible for the replacement of our pipes and share the cost of mutual project costs (engineering and dirt work).

At that time, the City took control of the project in order to restore water service as quickly as possible. The City agreed to hire an engineer (Olsson) under their emergency purchasing authority to design the necessary repairs to all the pipes in the project area and hire a contractor to restore the site to essentially "pre-failure" conditions.

The estimated cost of all the repairs was \$451,000 (\$53K waterline pipe, \$109K storm sewer pipe - primarily NRD cost, \$80K engineering, and \$209K site prep and restoration). Lipsey Construction

was the City's selected contractor for this emergency repair. Lipsey began work to stabilize the site and restore water service last fall with construction being completed this winter (see photos).

The NRD's share of the cost is planned to be limited to \$100,000 (NRD budgeted amounts of \$25K for engineering and \$75K for construction). We expect the City to bill the NRD for \$100,000 of the \$451,000 repair project.







PDZ/pz

Enc. 5

pc: Deborah Eagan
Steve Seglin
Corey Wasserburger

Salt Creek @ N. 70th

Stormsewer location 

- Legend**
-  Feature 1
 -  Lincoln
 -  Style12
 -  Style13
 -  Style2
 -  Style8







Lincoln Water System Emergency 16" Water Main Repair – N. 70th Street and Salt Creek
Lincoln, NE
Olsson Project # 021-06087

Project Name: LWS Emergency Repair	Site Location: N. 70 th Street and Salt Creek	Project No. 021-06087
<p>Direction Photo</p> <p>taken: East</p> <p>Description: Showing some of the broken back section of pipe backfilled with new borrow fill material.</p>		
<p>Direction Photo</p> <p>Taken: Northeast</p> <p>Description: Showing last piece of CMP pipe section being installed with connecting band.</p>		

Lincoln Water System Emergency 16" Water Main Repair – N. 70th Street and Salt Creek
 Lincoln, NE
 Olsson Project # 021-06087

Project Name: LWS Emergency Repair	Site Location: N. 70 th Street and Salt Creek	Project No. 021-06087
<p>Direction Photo</p> <p>taken: North</p> <p>Description: Showing the lower section of CMP pipe, before any concrete was placed for the cradle.</p>		
<p>Direction Photo</p> <p>Taken: Northeast</p> <p>Description: Showing placed concrete in the lower section of the concrete cradle for the pipe.</p>		



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Memorandum

Date: January 5, 2022
To: Urban Subcommittee
From: Tracy Zayac
Subject: Status update on current projects

Community Assistance Program:

1. Hickman 68th Street bike trail underpass (approved 3/17/2021): The City will advertise for bids on January 25, 2022, and will have the bid opening February 15, 2022.

Rain-Ready Landscapes Program:

1. Tim Eklund rain garden (approved 8/26/2021): project is complete. Photos below.



Other projects:

1. Wyuka stormwater conceptual design (approved 2/17/2021): Final report has been presented to the Wyuka Board of Trustees. Their focus will now be on fundraising for both the project itself and a maintenance fund to finance the ongoing upkeep of the project, once it is completed.