

Operations Committee Meeting  
Thursday, September 3, 2020 9:00 AM  
Lower Platte North NRD Office  
P.O. Box 126  
Wahoo, NE 68066

## 1. UNFINISHED BUSINESS

Nothing to consider for unfinished business.

## 2. WILD NE AND OTHER PROGRAMS

Nothing to consider for Wildlife Programs.

## 3. OPERATION & MAINTENANCE & OTHER ITEMS

The O & M Crew has been going back over watershed dams to fill holes, spray problem tree areas, pick up debris and spray Phragmites. We also continue to cut & treat trees on areas. We completed our mowing circuit and will double back over some roadsides and mow some of the Clear Creek Levee.

### A. Clear Creek Levee Repair by Corps of Engineers

The majority of the punch list items have been addressed, we are waiting on ROW markers which have been fabricated but delayed in shipping, fencing and installing new staff gauges in the Fuse Plug area. These items will be accomplished when the ROW markers arrive. We will have to keep an eye on the seeding as it was done out of the planting window.

### B. Wanahoo Stilling Basin - (FEMA)

FYRA received the signed Construction Observation Contract Addendum, the Notice of Award was presented to Valley Corp. of which they are now gathering required insurance, bonds, etc. to process the contract. Once the District receives this information the Board can approve a Notice to Proceed. The contractor still has mid-November as a starting date.

### C. Clear Creek Fuse Plug at Camp Ashland (FEMA)

The District has received 75% funding, \$87,850 from FEMA on the Fuse Plug Levee repair at the National Guard Camp.

The District has sent a letter of request for cost-share assistance to Lower Platte South NRD for 50% or \$14,641.66 of the local share on this Fuse Plug Levee repair. Their Platte River Subcommittee met on Sept. 2 to discuss and made a motion to pay LPN NRD, now it needs board approval.

The O & M Manual from the Corps of Engineers, for the levee system in the Guard Camp is not finalized. The O & M Manual/Agreement is for LPN, LPS, and National Guard. In the O & M Manual it's proposed that LPN be responsible for the Fuse Plug

Levee, LPS responsible for the Salt Creek Flood Way and BNSF RR Berm, and that we share 50/50 on substantial damage repair cost.

#### D. Cottonwood 21-A Emergency Spillway

Mainelli & Wagner and Saunders County met with Dept. Natural Resources Dam Safety to review two options regarding the renovation of the Emergency Spillway on Cottonwood 21-A. Dam Safety is going to recommend one of the options. It's difficult to make a simple plan because of the County Road Safety Standards.

It looks as though they will establish a berm at the elevation of the dam on the south shoulder of the dam for 400' (see diagram attached). This alternative eliminates cutting a large part of the county road down to the east and relocating a farmstead driveway. We do not have an engineers estimate at this time.

NRCS is hiring a Dam Safety Engineer in October. This Engineer can review and stamp Mainelli's work, with that we may be able to get funding assistance from NRCS on this project because of its High Hazard Class, unless of course it gets strung out for years.

#### E. Wanahoo Auxillary Spillway Crack Repair

This summer staff sent out inquiries to 6-7 concrete repair companies to get estimates on repairing the RCC Auxillary Spillway cracks on the Wanahoo Dam. We had three respond, one declined and two inspected the site. The two estimates are attached. The Driveway Co. gave an estimate of \$70,000 and Aksarben Concrete \$38,493.

#### F. No-Till Grass Drills

The District received \$804.50 from Rosendahl Farms Seed & Feed for grass drill rental for the first half of 2020. Seventeen cooperators used the drill.

Schuyler Coop who was a full year behind in revenue sharing finally caught up. The District received \$648.75 for the second half of 2019, in which 3 cooperators used the drill. We received \$862.07 for the first half of 2020, in which 13 cooperators used the drill. That total for those two terms in \$1,510.82.

### 4. ROCK AND JETTY

We received an application to repair a jetty from Daria Spinger, Joel Engel, and Kyle Engel in Butler County on the Platte River.

### 5. LAKE WANAHOO

#### A. Lake Wanahoo Permit Sales

In August, the District sold 249 permits and approximately 620 day passes for a total gross revenue of \$7,658.59. Annual permits accounted for \$4,555 of the total. In August of 2019 the District sold 242 annual permits for a total of \$4,302.50.

## B. Lake Wanahoo Camping Revenue

In August, the District generated \$18,831.45 in camping revenue. \$7,750 in walk-up camping and \$11,081.45 in online reservations.

Since the opening of the new primitive cabins, the District has received \$3,480 in reservation revenue.

## C. Education Building Rentals

During the month of August the Lake Wanahoo Education building held a total of 17 events. 4 of those events were LPNNRD meetings or events.

## 6. INFORMATION AND EDUCATION

### A. Information

#### 1. Radio & eAds

During August we featured ads about upcoming variance request deadlines. At the end of August we switched the copy of the ad a bit to accommodate the September deadline and include variances will be reviewed and a limited number of applications may be approved at the October board meeting.

#### 2. Analytics

Lake Wanahoo continues to remain the top viewed page of our website. Viewing the website on mobile and desktop is nearly the same for August.

3. LPNNRD Website	4. # of Users	5. Top Pages/views	6. Viewing Device
7. <b>October 2019</b>	8. 710	9. Home 543 Lake Wanahoo 355 Staff 121 Czechland Lake 100 Contact 95	10. Desktop 58.73% Mobile 34.48% Tablet 4.79%
11. <b>July 2020</b>	12. 1,692	13. Lake Wanahoo 1,759 Home 842 Czechland Lake 319 Outdoor	14. Mobile 52.96% Desktop 41.96% Tablet 5.08%

		Recreation 252 Downloads 157	
15. <b>August 2020</b>	16. 1,583	17. Lake Wanahoo 1,542 Home 793 Czechland Lake 311 Outdoor Recreation 248 Downloads 208	18. Mobile 48.11% Desktop 47.35% Tablet 4.55%

19.

Recently, Facebook has made more changes to their news feed algorithm. This means the content being shown on one's news feed is content most relevant to them based on specific factors such as pages a person likes, posts a person likes, paid content, location and other factors. We currently do not "boost" or pay for any of our posts on Facebook and solely rely on followers to "like" and "share" our content. For these reasons, our Facebook views have dramatically decreased since last month. Our top posts included pictures and content about hosting your next event at the Lake Wanahoo Education Building, NRCS Chief Matt Lohr's visit to Lake Wanahoo, and promoting camping at Pork Chop Island.

20. Facebook	21. Total Views	22. Total Reach	23. Total Engaged Users	24. Followers
25. <b>October 2019</b>	26. 9,446	27. 6,772	28. 1,273	29. 873
30. <b>July 2020</b>	31. 11,698	32. 9,630	33. 1,515	34. 1,170
35. <b>August 2020</b>	36. 2,813	37. 2,615	38. 147	39. 1,178

40.

On our Twitter page, the impressions increased since July. Our top posts included: irrigation sample kit requests for Irrigators in Phase 2 and 3 were

mailed out, NRCS Chief Matt Lohr's visit to Lake Wanahoo, and promotion to camp at Pork Chop Island at Lake Wanahoo.

41. Twitter	42. Impressions	43. Engagements	44. Followers
45. <b>October 2019</b>	46. 3,707	47. 61	48. 300
49. <b>July 2020</b>	50. 2,302	51. 103	52. 330
53. <b>August 2020</b>	54. 3,842	55. 138	56. 331

57.

#### 58. Long Range Plan

We are almost completed with the first draft of the Long Range Plan. It will be emailed out later today. Please review this and address any changes before September 10<sup>th</sup>. A final draft will be prepared by board meeting.

#### B. Education

LPNNRD will be hosting the East Central Regional Land Judging contest on Tuesday, October 6<sup>th</sup>. This contest will be quite a bit different this year. We will be needing volunteers to help. If you are able to help us please let Lacey know.

### 7. RURAL WATER SYSTEMS

#### A. Colon System

Multiple utility projects have taken place in Colon the past month; OPPD replaced a number of power poles, and Windstream installed a fiber optic line as well. All installs went smoothly with no interference with our water lines.

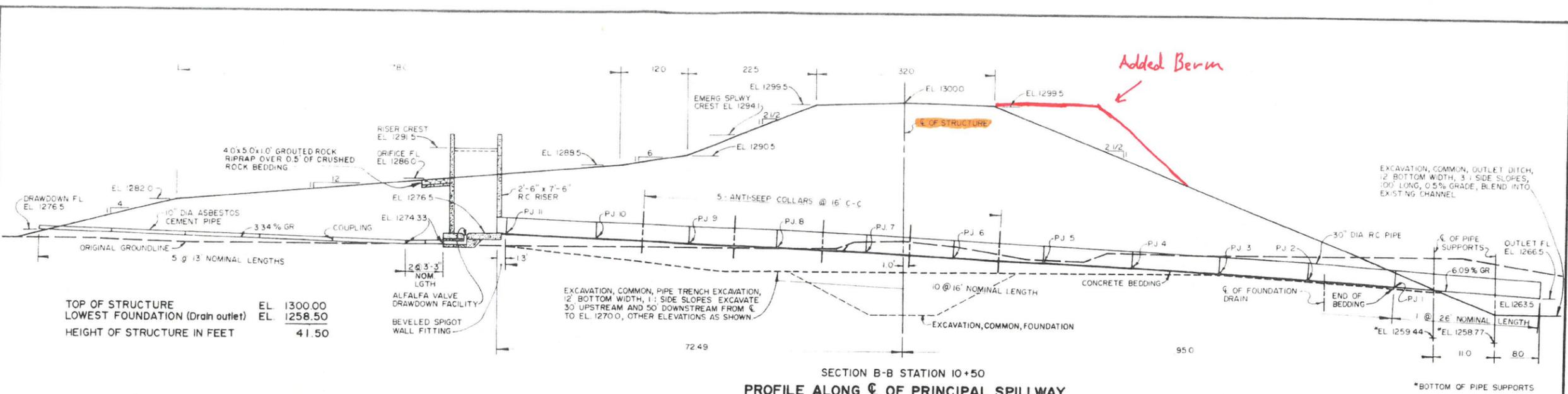
Regular monthly sampling completed and bills mailed out 9/1.

#### B. Bruno System

We received the second round of lead and copper test results for our Bruno RWD. All samples were below action limits (AL) and results have been sent to participating residents. Starting in 2021 we will only test once a year for three years, then as long as samples are below AL we will only test once every three years.

Regular monthly sampling completed, bills mailed out 9/1.

#### C. Other



TOP OF STRUCTURE EL. 1300.00  
 LOWEST FOUNDATION (Drain outlet) EL. 1258.50  
 HEIGHT OF STRUCTURE IN FEET 41.50

SECTION B-B STATION 10+50  
 PROFILE ALONG C OF PRINCIPAL SPILLWAY

**CUTOFF TRENCH**

STATION	BOTTOM GRADE
5+00	1284.0
6+00	1277.0
7+00	1273.0
8+00	1272.0
9+80	1271.0
12+40	1262.0
13+00	1275.0
14+00	1284.0

**TABLE OF PIPE JOINT ELEVATIONS**

LOCATION	F.L. EL.	LOCATION	F.L. EL.
F.L. OUTLET	1266.50	P.J. 7	1273.69
P.J. 1	1268.10	P.J. 8	1274.45
P.J. 2	1269.13	P.J. 9	1275.16
P.J. 3	1270.13	P.J. 10	1275.82
P.J. 4	1271.11	P.J. 11	1276.45
P.J. 5	1272.02	F.L. RISER	1276.50
P.J. 6	1272.88		

**MOISTURE DENSITY TABLE**

TEST HOLE AND SAMPLE NO.	SAMPLE DEPTH FEET	UNIFIED SOIL CLASSIFICATION	OPTIMUM MOISTURE PERCENT	MAXIMUM DRY DENSITY LB/FT <sup>3</sup>	
176	1	1.0-18.0	CL	17.7	104.5
179	1	1.0-8.0	CL	17.0	103.0
276	1	1.0-6.0	CL	16.4	103.6

EARTHFILL, CLASS A COMPACTION, SHALL BE PLACED AT OPTIMUM MOISTURE PLUS 2% OR ABOVE, AND COMPACTED TO A MINIMUM DENSITY OF 95% OF MAXIMUM DRY DENSITY.

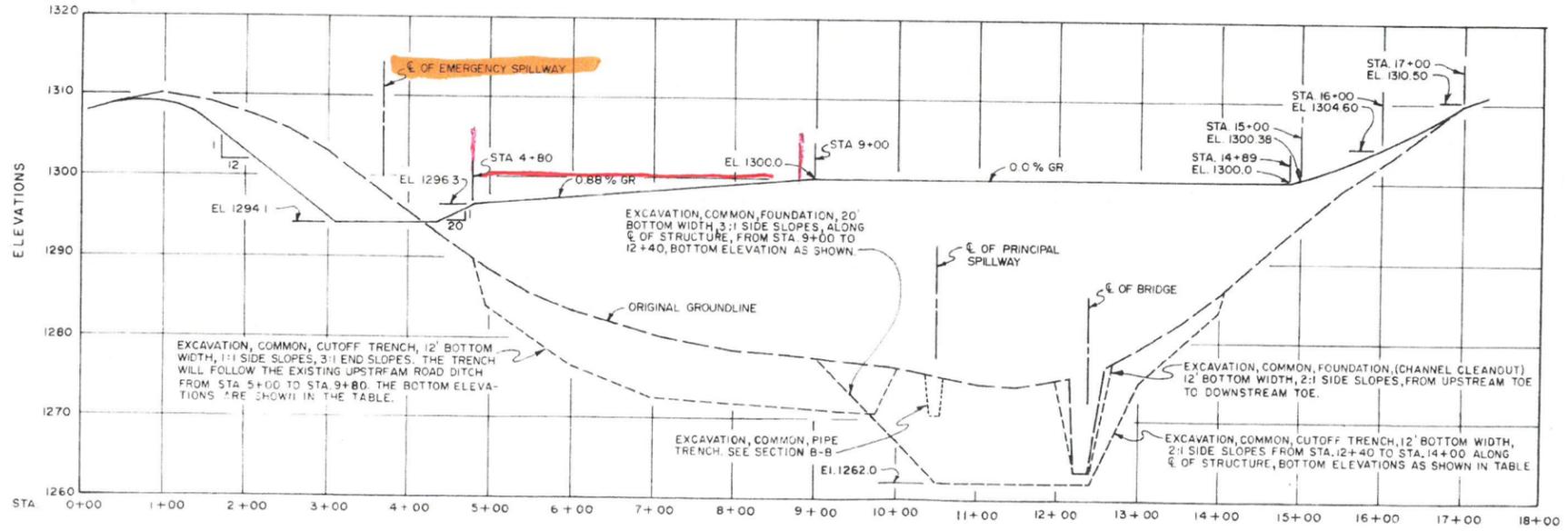
**ROCK RIPRAP GRADATION FOR GROUDED ROCK RIPRAP AROUND RISER**

ROCK FRAGMENTS SHALL BE ANGULAR AND REASONABLY WELL GRADED AND IN ACCORDANCE WITH THE FOLLOWING GRADATION:  
 MAXIMUM WEIGHT 155 LB.  
 50% - 77 LB. OR LARGER.  
 SPALLS AND SMALLER SIZE ROCK REQUIRED TO FILL VOIDS.  
 SAND AND ROCK DUST LESS THAN 5%.  
 1.0 CU.YD. OF ROCK RIPRAP REQUIRED.

**GRADATION FOR CRUSHED ROCK BEDDING**

CRUSHED ROCK TO BE REASONABLY WELL GRADED, TOUGH, HARD, DURABLE MATERIAL MEETING THE FOLLOWING GRADATION:  
 MAXIMUM SIZE 3" NOT MORE THAN 10% PASSING NO. 4 SIEVE  
 0.5 CU.YD. CRUSHED ROCK BEDDING REQUIRED

- NOTES:
- ROCK RIPRAP SHALL BE A MINIMUM OF 12" IN DEPTH PLACED ON 6" OF CRUSHED ROCK BEDDING.
  - THE ROCK RIPRAP SHALL BE PLACED IN A RECTANGULAR AREA WITH THE OUTSIDE LINE 5' FROM THE UPSTREAM EDGE OF THE RISER AND 4.0' WIDE AS SHOWN.
  - ROCK RIPRAP AFTER PLACEMENT WILL BE GROUDED WITH CONCRETE.



SECTION A-A  
 PROFILE ALONG C OF STRUCTURE

**COTTONWOOD 21-A**

NE.  
 U. S. DEPARTMENT OF AGRICULTURE  
 SOIL CONSERVATION SERVICE

Designed R.L.C.-J.W.F.	Date 10-81	Approved By
Drawn		Title
Traced B.D.J.	11-81	Sheet
Checked G.L.G.	11-81	7/18 Drawing No. NEO-261



June 26, 2020

Proposal No. **20-0315-03**

ATTN: **Bob Heimann**  
**511 Commercial Park Road**  
**Wahoo, NE 68066**

RE: **WAHOO SPILLWAY**

We are pleased to submit the following Proposal to provide materials & supervision for **WAHOO SPILLWAY** as outlined below.

- Work to be released in an orderly manner to utilize manpower effectively
- Changes or amendments to below scope of work to be requested in writing resulting in potential CO.

We acknowledge receipt of: **(O) zero Addendums.**

- Mechanical ablation, grinding, joint sealants, and concrete patching of damaged areas at center portion of spillway concrete, including all sawcuts and hairline cracks at concrete cap by HWY
- Includes all vertical and horizontal cracks (Excludes horizontal bed joint spanning length of concrete where pour meets pour)
- Concrete will be patched utilizing a high early strength polymer modified concrete and or Mapei PlanitopX fiber repair patch mortar per manufacturer recommendations
- Horizontal joint sealants will include the use of Sikaflex silicone SL, DOWSIL SL, Mapei epoxy SL product or equivalent
- Vertical joint sealants to include SIKASIL U GP-N plus
- 

**SCOPE OF WORK: Horizontal and vertical epoxy and exterior tank repair with soil back fill.**

Remove debris and dust, and prepare the joint to be sealed by cleaning substrate per manufacturer instructions (ASTM C1193).

- Included center portion WAHOO spillway
- **Grind out to minimum 5/8" width and depth horizontal & vertical joints**
- **Clean and prepare joints and surface**
- **Seal joints**
- Concrete repair patch mortar on open joints, damaged, compromised and shaling joints.
- Drill for rebar dowel installation as needed, form similar edges and repour damaged concrete areas
- Repair concrete per specifications
- Prepare all surfaces utilizing the following means and methods as necessary: cut, grind, ablate, sand, wash, compressed air, mechanical decompaction.
- Horizontal epoxy
- Stairstep joint between center and side section back rod and caulk

**EXCLUSIONS:**

- Joints below 1 foot soil grade
- Fireblocking

- Flashing or roofing substrates
- Pipe covering materials
- Two (2) side sections of spillway
- Excavation
- Shoring
- Items not specified in SOW
- Interior tank labor
- Chemical cleaning methods

**ASSUMPTIONS:**

- Contractor must provide all required ratings for fire-resistive tenant separation walls and floor/ceiling assemblies or penetrations.
- Maximum annular space, fill, void, or cavity opening of 1 ½ inches
- All materials per original bid specifications
- No methods of chemical cleaning shall be used
- Potable water source
- Contractor not responsible for below grade tank reconditioning

**SAFETY & QUALITY ASSURANCE:**

- Perform Field Adhesion testing as specified in project manual, document findings and report results.
- Maintain all manufacturer sealant dimension specifications.
- Revival Caulking Company will supply this project with trained craftsman who will be qualified to perform the tasks required on this project.
- A JSA (Job Safety Analysis) will be conducted prior to the commencement ensuring that all parties involved will be familiar with and have input into the safety plan for this project.
- QA/QC documentation will be kept on a daily basis.
- Safety audits and quality inspections will be conducted to reinforce the policies and procedures required to work safely and emphasize the company's commitment to quality.

**INSTALLATION SCHEDULE:**

- Proposal is based on working seven-day work weeks if needed to meet schedule milestones; twelve (12) hours per day; Monday – Sunday.

**PROJECT PRICING:**

- **TOTAL PROJECT PRICING: \$38,493.00**

**STANDARD TERMS & CONDITIONS:**

1. We have based our proposal pricing on being provided a flat/level lay down area on-site, in close proximity to the work area, for staging of trailers, material, equipment and other resources necessary to accomplish the scope of work.
2. We have not made any allowances for weather/project-related delays and their impacts to the completion schedule. We have assumed that significant weather/project-related delays will be grounds for additional time and/or cost impacts, if warranted.
3. Any substantial standby time or other delays, due to no fault of contractor, will be reimbursed at contractors' cost.
4. Payment terms are progressive monthly installments. Balance upon completion; net thirty (30) days.

**NOTE:**

All OSHA rules, regulations and guidelines for Safety, Health and overall Environmental conditions will be strictly adhered to in conjunction with Aksarben Concrete own HS&E and Zero Tolerance Policy.

On behalf of Aksarben Concrete, we thank you for the opportunity to submit this proposal and trust you will be pleased with our performance.

Respectfully Submitted,

RAYMOND F OTTER JR.

AKSARBEN CONCRETE

OTTER@AKSARBENCONCRETE.COM

c. 402-401-8360 o. 402-290-2016

Date: 6/24/2020

Customer's Name: Bob Heimann - Lower Platte North NRD

Address: 511 Commercial Park Rd.

City: Wahoo State: NE Zip: 68066

Home Phone: \_\_\_\_\_ Cell Phone: 402-443-4675 Work Phone: \_\_\_\_\_

Email address: bheimann@lpnnrd.org

All work proposed is contingent upon Site Foreman's approval. Customer's Initials \_\_\_\_\_

**Cracks & Joints Polyurethane Sealant:**

Application Process in Cracks & Joints only

- Driveway
- Sidewalks
- Walkway
- Around Foundation \_\_\_\_\_
- Patios
- Surrounding area of Swimming Pool
- Tear out old Caulk & Material

*- See description below*

**Concrete Repair:** See Concrete Sheet for more detail.

- Cut Expansion Joint
- Patch (Patch Material at Installer's Discretion)

**Expansion Joint Replacement:**

- Between Garage & Driveway
- Between Patio & Foundation
- Between Approach & Driveway
- Between Approach & Sidewalk
- Street Creep

**Protective Concrete Coating:** All over selected area

- Driveway
- Sidewalks
- Walkway
- Stoop
- Patios

**Mud Jacking:** See Mud Jacking Sheet for more detail.

Price material and labor \$70,000.00

To receive the 10% Discount Homeowner will allow The Driveway Company to display a yard sign for (3) weeks.

Yes \_\_\_\_\_ No X

Less 10% \_\_\_\_\_

Proposal Accepted By \_\_\_\_\_

Total \$70,000.00

Payment upon Completion: Please note

There is a 3% processing fee on credit card payments

Additional Information

*Seal all vertical cracks on main stretch of the dam on all tiers. Also seal the corresponding cracks on top of each step. Seal areas where the main stretch meets the two sides of dam.*

Work Not To Be Done

*\* Do not seal horizontal cracks on facing of each step.  
\* Do not seal 90° angles where each step meets.  
\* Do not seal side steps on the dam.*

# Mudjacking Proposal

402-991-2125

www.thedrivewayco.com

Date: 6/24/2020

Customer's Name: Bob Heimann - Lower Platte North NRD

Address: 511 Commercial Park Rd.

City: Wahoo

State: NE

Zip: 68066

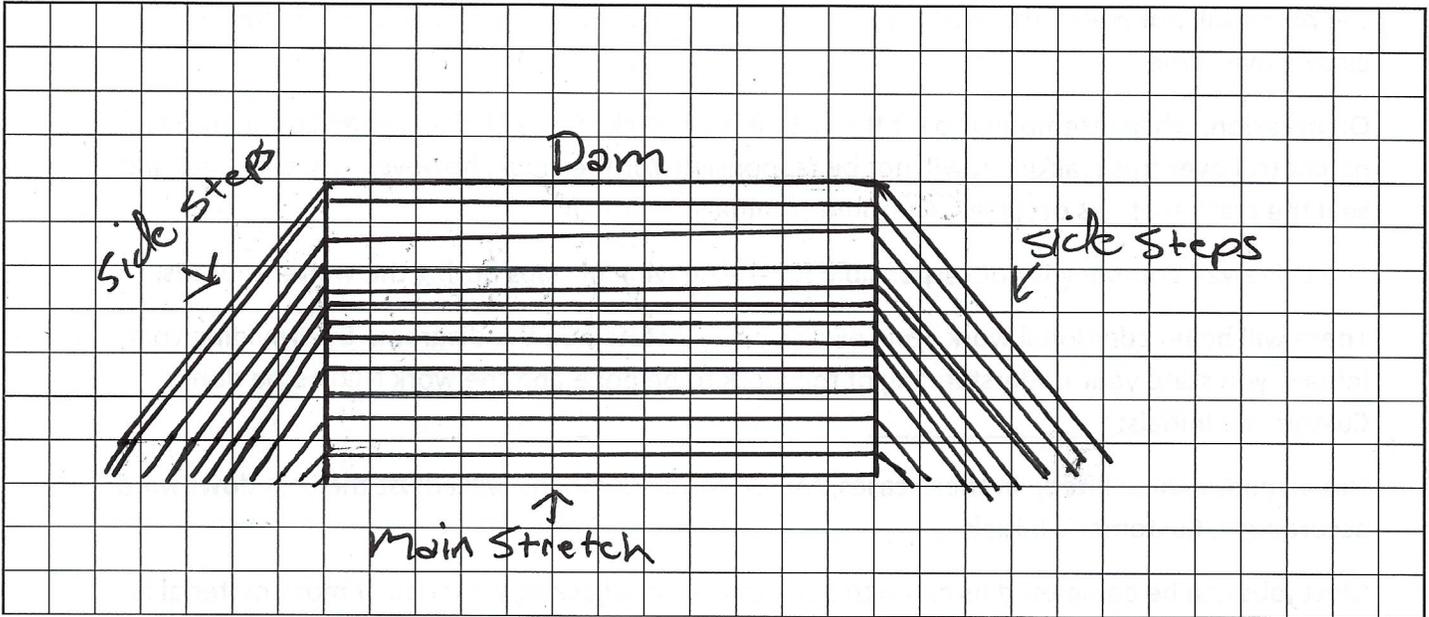
Home Phone: \_\_\_\_\_

Cell Phone: 402-443-4675 Work Phone: \_\_\_\_\_

Email address: \_\_\_\_\_

All work proposed is contingent upon Site Foreman's approval. Customer's Initials \_\_\_\_\_

Map of Work to Be Done:



Description of Work to Be Done:

Seal all vertical cracks on the main stretch of dam on all tiers. Also seal the corresponding cracks on top of each step.

Seal where side steps meet main stretch.

Work NOT to Be Done:

See front page.

*Not all pads or stairs can be lifted. If not able, the price will be adjusted accordingly.*

\*Estimate Amount: \$70,000.00 (Labor & Material Included)

\*Discount Amount: \_\_\_\_\_

Total Amount: \$70,000.00

Payment is due upon Job Completion!

Please note - If paying by Credit Card there is a 3% Processing fee added to Total Amount Due.

Proposal Accepted By \_\_\_\_\_

Date: \_\_\_\_\_

Registered Contractor

Insured

A+ Rating with the BBB

No 12257

Terms & Conditions on Back Side

Resident Park Permit Income YTD	Non Resident Park Permit Income YTD	Resident Duplicate Permit Income YTD	Non Resident Duplicate Permit Income YTD	Total NRD Sales YTD	Total Gross Park Permit Income YTD				
\$17,115.00	\$34,865.00	\$4,485.00	\$4,437.50	\$60,902.50	\$82,252.50				
Corner Market Resident Permit Income YTD	Corner Market Non Resident Permit Income YTD	Corner Market Resident Duplicate Permit Income YTD	Corner Market Non Resident Duplicate Permit Income YTD	Total Corner Market Sales YTD	Corner Market Convenience Fee YTD				
\$7,485.00	\$10,800.00	\$1,702.50	\$1,362.50	\$21,350.00	\$1,267.00				
Resident Park Permits Sold YTD	Non Resident Park Permits Sold YTD	Resident Duplicate Park Permits Sold YTD	Non Resident Duplicate Park Permits Sold YTD	Total Park Permits Sold YTD	Total Net Park Permit Income YTD				
1640	1827	825	464	4756	\$80,985.50				
Permit Sales by Location:	Office: 1147	Guard Shack: 1335	Web: 1007	Corner Market: 1267					
Sales Demographics:	Resident	Resident Duplicate	Non Resident	Non Resident Duplicate					
LPNNRD:	1141	598	1395	355					
Corner Market:	499	227	432	109					
Monetary Sales by Month 18	Resident	Non Resident	Resident Duplicate	Resident Duplicate	CM Resident	CM Non Resident	CM Resident Duplicate	CM Non Resident Duplicate	Total Monetary by Month
2018 December	\$1,635.00	\$1,925.00	\$667.50	\$312.50	\$30.00	\$0.00	\$15.00	\$0.00	\$4,585.00
2019 January	\$2,115.00	\$4,550.00	\$682.50	\$712.50	\$675.00	\$1,200.00	\$187.50	\$250.00	\$10,372.50
2019 February	\$945.00	\$3,975.00	\$262.50	\$387.50	\$645.00	\$2,900.00	\$150.00	\$412.50	\$9,677.50
2019 March	\$795.00	\$1,700.00	\$247.50	\$212.50	\$480.00	\$800.00	\$120.00	\$100.00	\$4,455.00
2019 April	\$1,875.00	\$4,000.00	\$450.00	\$500.00	\$1,530.00	\$1,450.00	\$390.00	\$212.50	\$10,407.50
2019 May	\$3,360.00	\$6,875.00	\$757.50	\$700.00	\$1,440.00	\$1,900.00	\$390.00	\$175.00	\$15,597.50
2019 June	\$2,940.00	\$5,325.00	\$720.00	\$675.00	\$1,110.00	\$1,225.00	\$195.00	\$100.00	\$12,290.00
2019 July	\$1,830.00	\$3,225.00	\$375.00	\$475.00	\$1,035.00	\$775.00	\$172.50	\$37.50	\$7,925.00
2019 August	\$990.00	\$2,150.00	\$180.00	\$312.50	\$330.00	\$275.00	\$52.50	\$12.50	\$4,302.50
2019 September	\$450.00	\$865.00	\$112.50	\$125.00	\$195.00	\$200.00	\$30.00	\$37.50	\$2,015.00
2019 October	\$165.00	\$250.00	\$30.00	\$12.50	\$15.00	\$75.00	\$0.00	\$25.00	\$572.50
2019 November	\$15.00	\$25.00	\$0.00	\$12.50	\$0.00	\$0.00	\$0.00	\$0.00	\$52.50
Permits by Month 18	Resident Permits	NR Permits	Res Dup Permits	NR Dup Permits	CM Res Permits	CM NR Permits	CM Res Dup Permits	CM NR Dup Permits	Total Permits by Month
2018 December	109	77	89	25	2	0	2	0	304
2019 January	141	182	91	57	45	48	25	20	609
2019 February	63	159	35	31	43	116	20	33	500
2019 March	53	68	33	17	32	32	16	8	259
2019 April	125	160	60	40	102	58	52	17	614
2019 May	224	275	101	56	96	76	52	14	894
2019 June	196	213	96	54	74	49	26	8	716
2019 July	122	129	50	38	69	31	23	3	465
2019 August	66	86	24	25	22	11	7	1	242
2019 September	30	35	15	10	13	8	4	3	118
2019 October	11	10	4	1	1	3	0	2	32
2019 November	1	1	0	1	0	0	0	0	3



# Variance Requests for New & Expanded Irrigated Acres

Applications for new and expanded irrigated acres in Restricted and Non-Hydrologically Connected Areas due August 15th.  
Hydrologically Connected Areas due September 15th.



**LOWER PLATTE NORTH**  
Natural Resources District