

HERMOSA TOWN BOARD
Special Meeting
Monday, January 23rd, 2023 @ 2:00pm



- 1) **ROLL CALL:**
 - A) BOT Roll Call: Henrichsen, Holsworth, Kramer, Schumack
 - B) Acknowledgement of other attendees
 - C) Pledge of Allegiance to be led by Holsworth

- 2) **CALL FOR CHANGES:**
 - A) Review current agenda items
 - B) Motion to accept the agenda as presented/amended

- 3) **NEW BUSINESS:**
 - A) Discussion of Lagoon design & expansion
 - B) Use of land for the lagoon project
Land owner participation

- 4) **ITEMS FROM CITIZENS:** No action will be taken (3-minute time limit per speaker)
Meetings of the Board of Trustees are open to the public. The audience may be allowed to comment on specific agenda items during the time allotted on the agenda for those items, according to established procedures of the Board. This is a time for members of the public to express concerns or discuss issues having relevance to the town. Anyone wishing to address the Town Board during this time shall be asked to identify themselves. The number of presentations and time allotted to individuals may be limited by the board president and individuals shall refrain from discussing personalities. The president at his discretion, may recognize patrons at other times during the board meeting. No action will be taken by the board on any issue related without being first placed on a future agenda, by the board, to allow for proper notice.

- 5) **TRUSTEE INPUT:**

- 6) **EXECUTIVE SESSION:**
 - A. Motion to enter Executive Session allowable by SDCL 1-25-2.1 – Legal/Personnel/Contract
 - B. Motion to exit out of Executive Session
 - C. Motions resulting from Executive Session

- 7) **ADJOURN:**
Motion by _____; second by _____ to adjourn the meeting at _____ pm.

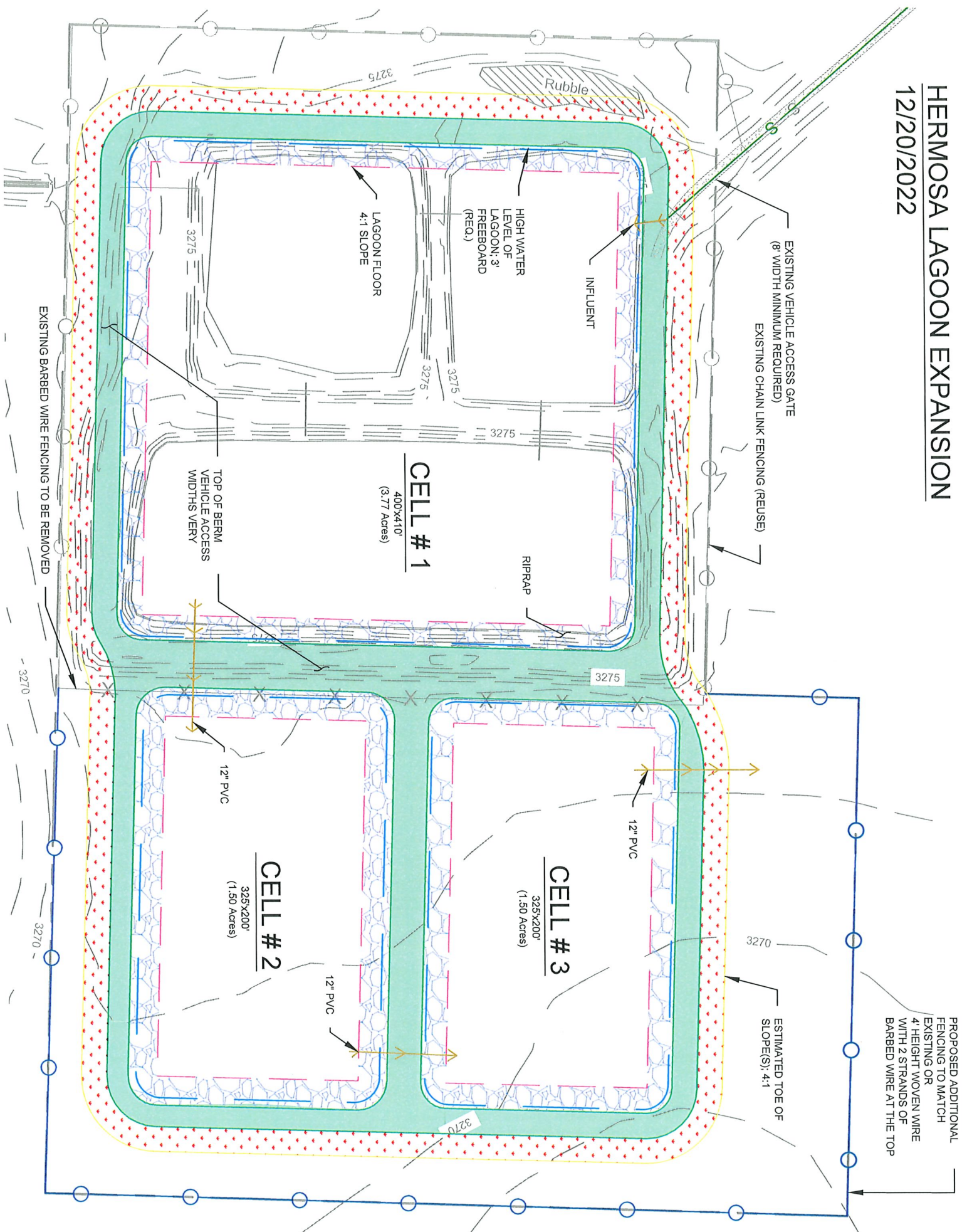
ATTEST:

Monika Serviss
Finance Officer

Dan Holsworth
Town Board President

HERMOSA LAGOON EXPANSION

12/20/2022



A Summary of the Current Design Status

The current layout includes an expanded three (3) pond system. The layout was selected to allow for the area of the primary cell to be approximately 60% of the total surface area of the entire pond system, as required by SDDANR (South Dakota Department of Agriculture and Natural Resources). The Town's current configuration does not meet this design requirement from SD DANR. The system will include a new manhole and inlet for Cell #1, the primary cell. Piping and valves shall be new between the cells and at the discharge pipe. The proposed liner shall consist of bentonite (regionally sourced). Each cell/pond will have a mixer/surfaced aeration system and will include a portable pump system for land application for pond maintenance.

In order for construction to proceed, an anticipated staging area is outlined in map attached detailing a 50-foot strip around the lagoon parcel for access. A staging area is proposed within the Neugebauer Brothers Dairy property due to the location.

If the use of this area during construction, can be negotiated by the Town, it will lower project costs.

Although the process will function similar to how it does today, the new lagoon treatment system will include some upgrades as required by the State. New indicators with each cell/pond for ease of reading and recording depths. Each will also have an accompanying alarm to notify public works personal of high water levels. New pump for land application. Also, inflow will be monitored through the new manhole at the inlet.

An updated Opinion of Probable cost is attached for reference for the current design. The design has not been finalized.

Within the 2021 Facility Plan for the Town's sanitary sewer system there are two sections that were mentioned as a concern. These locations have combinations of 4" mains, sections that show great amounts of deterioration that need replacement, or changes in pipe material types. These locations were mentioned as a result of regular maintenance of clearing and checking of the system by PACE System Specialist based in Billings, MT. The reconfiguration of mains near the post office and running north of Main St. allows for the bends to be removed, which are not allowed in sewer main collection systems, and so the section can be monitored and cleaned. The other location (#4) is along the main line running west to east collecting along Manning Street and is between 3rd and 4th requiring more 4" lines to be replaced.

Following the last PACE televising completed in 2022, there are additional areas that pose a greater concern in the Town's system. Those locations are listed as #1 and #2. Location #1 is near the lagoons off Fairgrounds Place and #2 is at 2nd St./Manning and near the railroad crossing. Both of these locations have sustained considerable damage and will need to be replaced sooner rather than later. These two locations are a part of the main collection route for the Town's wastewater collection to the lagoons. The costs associated with fixing these locations 1 through 4 have been tabulated in an opinion of probable cost, attached.

The Town will need to decide if the existing replacement work should be included in the current Lagoon Expansion project or plan for these improvements in the future.

Attachments:

- Construction Easement Area (Anticipated) map
- Opinion of probable costs for Lagoon Expansion
- Opinion of probable costs, detailed, for recommended replace existing

From: lberg@proacesinc.com
Sent: Tuesday, January 10, 2023 4:54 PM
To: Monika Serviss
Cc: 'Dan H.'; lmkw2018ins@gmail.com; dfinch@proacesinc.com; Jill Dybvig; dfinch@proacesinc.com
Subject: RE: Trojan UV disinfection
Importance: High

Monika,

The information provided is for use on a wastewater treatment plant as a step in the treatment process or a more sophisticated wastewater treatment system than a standard lagoon treatment system as the Town has currently.

We do not recommend this equipment for the Town of Hermosa's system.

Also, the Town cannot provide the flow going into the system and cannot provide the flow pumped out of the system. These are critical items in design of wastewater treatment. Without the information we are forced to make assumptions. Those flow volumes will change with population not expansion design. In addition to the flow rate we need to know the TSS in order to even get a budget cost for the UV equipment requested.

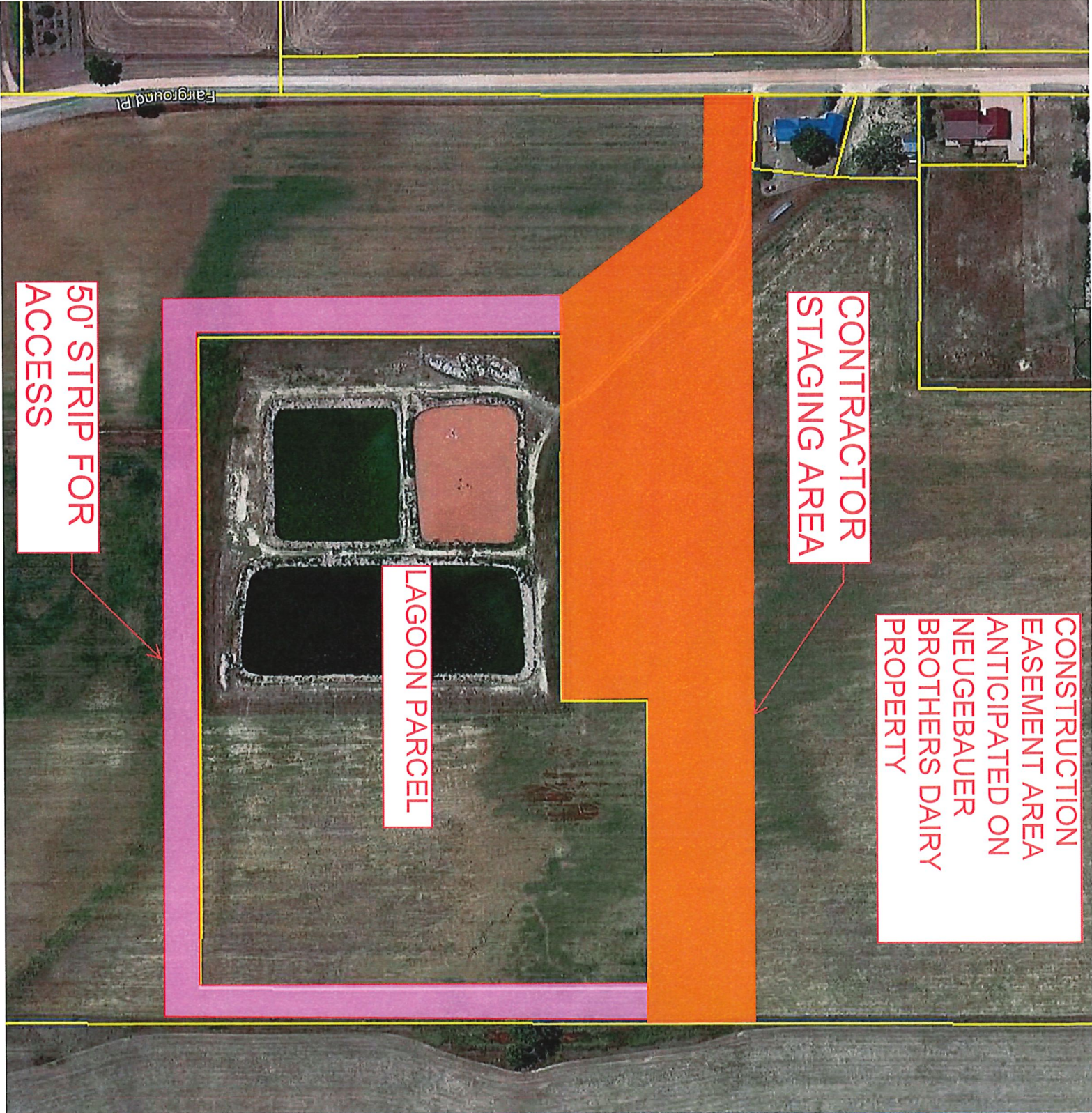
Since we do not have the required data needed for the requested UV equipment, we are not planning on UV treatment being part of the lagoon expansion design currently in progress. This can be part of a future project if the Town would like to pursue that option.

Thank you,
Leah M. Berg, P.E.
Civil Engineer / President



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L.Berg@proacesinc.com

From: dfinch@proacesinc.com <dfinch@proacesinc.com>
Sent: Tuesday, January 10, 2023 1:21 PM
To: lberg@proacesinc.com
Subject: FW: Trojan UV disinfection



CONSTRUCTION
EASEMENT AREA
ANTICIPATED ON
NEUGEBAUER
BROTHERS DAIRY
PROPERTY

CONTRACTOR
STAGING AREA

LAGOON PARCEL

50' STRIP FOR
ACCESS

Fairground Pl