

**HERMOSA TOWN BOARD
REGULAR MEETING
TUESDAY, APRIL 20, 2021 @ 6:00 PM**



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

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

- 3) CONSENT CALENDAR:
 - A. Approval of 4-6-2021, regular meeting minutes and 4-14-2021 special meeting minutes

- 4) CLAIMS:
 - A. Review Payroll and Claims
 - B. Motion to approve the Claims as presented/amended
 - C. Amend 4-6-2021 Claims
Banyon Data from \$680.00 to \$195.00

- 5) LAW ENFORCEMENT/ABATEMENTS/COMPLAINTS:
 - A. Local updates
 - B. SD Public Assurance Alliance LE Policies, pending

- 6) LEGAL:

- 7) ENGINEER:
 - Item 7A: Water Rehab Project
 - Item 7B: N Second Street Box Replacement:
 - Item 7C: Sewer Project
 - Item 7D: Hermosa Sidewalk Project
 - Item 7E: Hermosa GIS Asset Management
 - Item 7F: Water Project

GIS Mapping, pending

- 8) PUBLIC WORKS:
 - A. Streets, streetlight repairs, water & sewer department updates

- 9) FINANCE OFFICER:
 - A. Monthly financials
 - B. Department updates
 - C. Western Dakota Missouri River Development update

- 10) PLANNING & ZONING:
 - A. April 13, 2021, P&Z Meeting Minutes
 - B. Permit 2017-23, 105 2nd St. Residential Building Permit
 - C. Permit 2021-08, Lots 9-14, Digging Permit Hermosa Hills
 - D. Permit 2021-09, Conditional Use Permit, 267 Main St.
 - E. Pre-inspection Form, pending

11) OLD BUSINESS:

- A. Annexation: Gumbo Lilly, Fairgrounds Place
- B. Southern Black Hills Water System, pending
- C. Southern Hills RV Park and Campground, pending
- D. Preston Family Inc, pending
Bids for water/sewer lines

12) NEW BUSINESS:

- A. Financial agreement with SD DOT, pending
- B. Volunteer of the Year
Candace Leigh – 2019
Lilah Pengra - 2020
- C. April 24, 2021, Annual Clean Up Day
Reminder and motion to remove from agenda
- D. Southern RV Park Owner Concerns
- E. Retail (on-off sale) Malt Beverage & SD Farm Wine Renewal
 - 1) Corner Pantry Travel Center: License #RB2776
 - 2) Pop's Grocery: License #RB-25133
- F. Request to forgive Trails West utility penalties
- G. State Water Plan Application
Sewer lagoon expansion project
Drinking Water System/State Water Facilities Plan FYI
- H. Water/sewer tap fees and rates

13) ITEMS FROM CITIZENS: No action will be taken (3-minute time limit per speaker)

14) TRUSTEE INPUT:

15) EXECUTIVE SESSION:

- A. Motion to enter Executive Session allowable by SDCL 1-25-2.1 - Personnel
- B. Motion to exit out of Executive Session
- C. Motions resulting from Executive Session

16) ADJOURN:

Motion by _____; second by _____ to adjourn the meeting at _____pm.

**HERMOSA TOWN BOARD
REGULAR MEETING
TUESDAY, APRIL 6, 2021 @ 6:00 PM**



3A

ROLL CALL: King called the meeting to order at 6:00pm with the following members present: Flug, Holsworth, King and Schumack; Henrichsen absent. Daggett, Westergard, Ferguson, Johnson, Boddicker plus several citizens also attended. Pledge of Allegiance led by King.

CALL FOR CHANGES: Motion by Flug, second by Schumack, to accept the agenda as amended; vote; all aye, motion carried.

CONSENT CALENDAR: Motion by Schumack, second by Holsworth; to approve March 15, 2021, work session, equalization and regular meeting minutes; vote; all aye, motion carried.

CLAIMS: Motion A & B Business Solutions, Monthly contract, \$528.64; Banyon Data Systems, Pet, Property Management Support, \$680.00; Black Hills Electric Coop, Monthly charges, \$3,477.36; Ferguson Construction, inspections, water leak repair/parts, \$465.00; Gordon, Morgan, 2nd Street, Deposit refund, \$40.77; Hunsaker, Monty & Kimberly, Marie Street, Deposit refund, \$125.00; Interstate Engineering, \$1,408.00; Jones, Norman, 44 Taz Ct, Deposit refund, \$5.67; Knight, Dennis, Garden meter/deposit refund, \$115.00; Livngston, Sandy, 102 2nd Street, Deposit refund, \$76.86; Mt. Rushmore Telephone Company, Monthly charges, \$238.51; Nelson's Oil and Gas, Tank rental, \$36.00; Payment Service Network, Monthly charges, \$77.45; Pioneer Bank and Trust/Visa, Monthly charges, \$1,135.26; Pioneer Bank and Trust, 2 signature bank account charge, \$25.00; SD Dept of Revenue, Sales tax payable, \$459.94; Sander Sanitation, Monthly charges, \$2,781.95; Southern Black Hills Publishing, Monthly services, \$261.69; TMDE Calibration Labs, Inc, L.E. radar calibration, \$102.00; USPS, PO Box rental fee, \$92.00; Verizon Connect, Monthly services, \$32.38; Westergard, Brad, Monthly services, \$300.00; Western Communications, LE Radio, \$66.00; Payroll related: Board of Trustees, \$1,200.00; Finance Department, \$3,789.50; Law Enforcement, \$808.55; Planning & Zoning, \$840.00; Janitorial, \$102.00; Meter, \$182.00; EFTPS, 941 payroll tax deposit, \$1,493.11; Health Pool of South Dakota, Monthly premium, \$841.42; SD Retirement Fund, March Retirement Funds, \$793.50. TOTAL: \$22,580.56
Discussion regarding permits being submitted without full detailed information. Motion by Holsworth, second by Flug, to send a letter to Engineer Bengs to request he delay Staff Reports if he has not received a permit that depicts a complete detailed plan and to recommend to P&Z the permit will be placed as pending until the permit is complete vote; all aye, motion carried. Motion by Holsworth, second by Flug, to approve claims; vote; all aye, motion carried.

LAW ENFORCEMENT/ ABATEMENTS/ COMPLAINTS: Daggett provided local updates including callouts regarding a call vehicle coming from the south, traffic stop with arrest for a person who had two warrants, Neighborhood Watch meeting – good meeting; assisted Highway Patrol with a DUI arrest, responded to suspicious vehicle with car running for a long time – wellness check; complaint regarding a person putting incorrect fuel into his vehicle, car over an embankment with a call to tow company, cows on the road, received a call from a woman who has been receiving threatening letters; bar fight, high speed chase on a motorcycle. Law Enforcement thanked for their service. SD Public Assurance Polices, pending.

LEGAL: Motion by Holsworth, second by Flug, to remove the TIFD Project Plan Amendment from the agenda; vote; all aye, motion carried.

ENGINEER: Water Rehab Project: Bruels, DENR Engineering Manager, responded he is working to bring this issue to closure in the next few weeks. 2nd Street Box Culvert: board working with the contractor to keep the project on schedule for completion. Sewer: Preliminary Engineer Report re-submitted to Bill Lass with a recommendation of a lagoon expansion. Application will need to be post marked to be on the State Water Plan by May 1. The soonest the Town could submit for funding is July 1 with awards happening in September. January is the first submittal for the first round of monies that would provide the most opportunity for potential grant. Hermosa Sidewalk Project: Final Plans being submitted to SDDOT this week. Hermosa GIS Mapping, waiting for proposal from Midwest Assistance Program; issue is pending.

PUBLIC WORKS: No report on streets. Streetlights are all in working order. Ferguson reported the contractor is placing the 3" line parallel to the 6" line for future development; contractor ran a shovel through the 3" line and concerned with loss of water. Well: the RAD results are due in a week. Ferguson concerned with the water line running under Highway 40 by Fairgrounds Place. Ferguson recommended the town should be proactive and replace the line as the current line is old and could possibly fail. King asked Ferguson to get details on expenses and layout and report at next meeting. General discussion on the water issues on the west side of town. Hermosa board will be meeting with Southern Black Hills Water trustees on April 14 and issues should be resolved after that meeting. Lagoon is nearing ¾ full. Ferguson will be applying enzymes once the water temperature reaches 50 degrees to work on the sludge issue. Pond Doctor will be going in next week.

Motion by Holsworth, second by Flug, to remove and leave off future agendas the February 26, 2021, snow blading issue' vote; all aye, motion carried. Water rate increase, pending. Holsworth talked to contractor regarding dumping debris in the dumpsters reserved for residential use – contractor will pay the fee for removal. Requested the contractor to place a fence around the basement project to protect the citizens. Holsworth reported he has cleaned the gravel from the roads and approaches and the process will be completed soon. Western Dakota Missouri River Development – Motion by Holsworth, second by Flug, to request additional information; vote; all aye, motion carried.

FINANCE OFFICER: SD DOT Planning Application was completed; annual report will be presented the first meeting in May; audit scheduled for end of April but contemplating delaying. Trails West was sold. Election will be held on June 8 for one trustee position. Citizen requesting to have a beehive in their yard. Board requested a Conditional Use Permit be submitted to P&Z.

PLANNING & ZONING: Board reviewed March 23, 2021, P&Z meeting minutes. P&Z finalized an Inspection Checklist to be used when presenting the Certificate of Occupancy. The checklist should also be provided with a Commercial and/or Building Permit. P&Z presented a draft ordinance to support ADU's (aka, Mother-in-law homes, tiny homes). Board requested to review the ordinance for approval at a future meeting. Citizen offered to check with EAFB to ask if they have a spare flag and flagpole to donate to town.

OLD BUSINESS: Paramount Point citizens were in attendance to discuss if the town is continuing the process to annex Paramount Property. At the February 26, 2021, meeting, the board requested Boddicker to send the Paramount Point citizens informing them the annexation was delayed. The notice had not been sent to them and Boddicker apologized to the citizens as they had not been informed of the annexation postponement. Hermosa is holding off on annexing Paramount Point until a plan can be made to secure water as the new well project has been cancelled. Hermosa BOT will be meeting with Southern Black Hills Water (SBHW) trustees to discuss purchasing water from them. Waiting to see what we will happen following the meeting with SBHW. Motion by Holsworth, second by Schumack, to remove Paramount Point from the agenda; vote; all aye, motion carried. Southern RV Park: Citizen in Paramount Point concerned regarding the odor emanating from the RV Park. Citizen informed to call the town office to inform the town if problem continues. Also concerned regarding fencing around the park. Park residents are driving through the SBHW lots and into the Paramount Point property. Park owner to be made aware of the issue when he applies for permit. Preston Family Inc: the developer's engineer will have a plan to DENR by the end of the month as the Preston Family is ready to proceed with the project. The annexation will come with the preliminary plat but this all hinges on the outcome with the SBHW meeting. Discussion on town obtaining bids for putting in infrastructure to the Preston Family development. Following the meeting on the 14th of April, the Hermosa trustees will be able to provide answers to Preston's regarding infrastructure to the development. John Preston questioning the number of streetlights required in Hermosa Hills; no consensus.

NEW BUSINESS: Discussion regarding road in front of Pop's Grocery Store. Board agreed it is the town's road in front of the store but ends just before the duplex. Road in front of the duplex is not a town road. Discussion regarding the slope and lack of gravel at the school where children are dropped off. Motion by Flug, second by Schumack, to request Miller Construction to bring in a load of gravel at a cost not to exceed \$1,000; vote; all aye, motion carried. Reminder of 2019 and 2020 Volunteer of the Year presentations at April 20, 2021, meeting. Annual Clean Up Day: scheduled for April 24, 2021. Sanders should bring in the dumpster on Saturday morning. A designated area will be set aside for citizens to drop off salvageable items for others to take if they want. All items will be disposed of at the end of the day.

ITEMS FROM CITIZENS: Ferguson brought up water usage on west side of town; he was asked to await outcome of April 14 meeting Hermosa trustees will have with Southern Black Hills Water trustees.

TRUSTEE INPUT: Schumack: attended the Neighborhood Watch; very positive meeting, need to get together to figure out how to build up the fund; Holsworth asked the current president to understand once an agenda item is removed, it can not be placed back on the agenda; also, when submitting complaints, the abatement ordinance must be followed; thanked everyone for the good meeting; Flug: thanks for the good meeting; King: no comment.

ADJOURN: Motion Flug, second by Schumack, to adjourn the regular meeting at 8:42 pm; vote; all aye, motion carried.

Bob King, Town Board Vice President

ATTEST:

Gail Boddicker, Finance Officer

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**HERMOSA TOWN BOARD
SPECIAL MEETING
WEDNESDAY, APRIL 14, 2021 @ 12:30 PM**



ROLL CALL: Henrichsen called the meeting to order at 12:30 with the following members present: Flug, Henrichsen, Holsworth, and King; Schumack arrived at 12:45pm. Boddicker also present. Pledge of Allegiance led by King.

CALL FOR CHANGES: Motion by Flug, second by Holsworth, to accept the agenda as amended; vote; all aye, motion carried.

NEW BUSINESS: Motion by Henrichsen, second by King, to approve Boddicker to request approval from the Legislative Audit to delay submitting the 2020 Annual Report until the 2020 audit has been completed; vote; all aye, motion carried. This meeting and the 1:00 meeting (following this meeting) will be considered one meeting.

ADJOURN: Motion by Henrichsen, second by King, to adjourn the special meeting at 12:43 pm; vote; all aye, motion carried.

Vicki Henrichsen, Town Board President

ATTEST:

Gail Boddicker, Finance Officer

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**HERMOSA TOWN BOARD
SPECIAL MEETING
WEDNESDAY, APRIL 14, 2021 @ 1:00 PM**



ROLL CALL: Henrichsen called the meeting to order at 1:00 pm with the following members present: Flug, Henrichsen, Holsworth, King and Schumack. Bengs, Ferguson, Boddicker, Southern Black Hills Water Association representatives and two interested citizens also present. Pledge of Allegiance led by King.

CALL FOR CHANGES: Motion by Holsworth, second by Flug, to accept the agenda as amended; vote; all aye, motion carried.

NEW BUSINESS: Southern Black Hills Water Association representatives were in attendance to discuss Hermosa purchasing bulk water. General discussion included the fees, amount of water needed, infrastructure. Action: Hermosa Board of Trustees will meet to consider SBHW proposal; no other action taken.

ADJOURN: Motion by Henrichsen, second by King, to adjourn the special meeting at 2:42 pm; vote; all aye, motion carried.

Vicki Henrichsen, Town Board President

ATTEST:

Gail Boddicker, Finance Officer

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Claims for Approval 04-20-2021		
Belt, Vonda	Bug banner spray	\$ 13.77
Black Hills Electric Coop	Monthly charges	* \$ 3,251.44
Code Works	Hermosa school addition inspection	\$ 232.62
Golden West	Monthly charges	\$ 561.50
Johnson Law Office	Monthly charges	\$ 255.00
Midcontinent Testing Laboratories, Inc.	Water testing for 1st quarter 2021	\$ 301.25
Rural Development	Rural Development1 April	\$ 1,278.00
Rural Development	Rural Development2 April	\$ 417.00
Rural Development	Rural Development3 April	\$ 222.00
Rushmore Communications	Daggett's radar troubleshooting	\$ 110.00
SD Governmental Finance Officers Assoc	Finance Officer Registration Form	\$ 75.00
Technichem, Inc.	Sludgebugs	\$ 349.20
US Bank	TIF Sewer, \$3820.54 plus \$7,000.00 extra payment	\$ 10,820.54
Verizon Connect	Monthly services	\$ 32.38
Westergard, Brad	Monthly services	\$ 300.00
Payroll related:		
Payroll	Board of Trustees	
Payroll	Finance Department	\$ 2,466.50
Payroll	Law Enforcement	\$ 808.55
Payroll	Planning & Zoning	
Payroll	Janitorial (102.00) Meter (182.00)	
Gail Boddicker	Health insurance	\$ 200.00
Jim Daggett	Health insurance	\$ 200.00
EFTPS	941 payroll tax deposit	* \$ 808.39
Health Pool of South Dakota	Monthly premium	
SD Retirement Fund	March Retirement Funds	
TOTAL		\$ 22,703.14

Town of Hermosa
Engineer Update
April 21, 2021

Item 11B: Water Rehab Project

- (Weston Eng.) Andy indicated that he hoped to have resolution to the Town by the end of the month.

Item 11D: N Second Street Box Replacement:

- Under Construction, schedule shows placement of box beginning next week.

Item 11E: Sewer Project

- PER has been re-submitted to Bill Lass with a recommendation of a lagoon expansion.
- **Application will need to be post marked to be on the State Water Plan by May 1.**
- **The soonest the Town could submit for funding is July 1 with awards happening in September. January is the first submittal for the first round of monies that would provide the most opportunity for potential grant.**

Item 11E: Hermosa Sidewalk Project

- Final Plans being submitted to SDDOT this week

Item 11E: Hermosa GIS Asset Management

- GIS proposal previously submitted
- **At the request of the Town, Interstate can put together a presentation to discuss proposal. Please respond.**

Item 11B: Water Project

- Project on State Water Plan
- Funding application has been delayed and further discussions to take place.
 - **To submit for consideration for the first round of monies is January 2022.**
 - **This is for award in March 2022.**
 - **Application will need to be submitted to Bill Lass December 2021.**
- **Interstate has paused work until further direction from Town.**

Ronald A. Bengs, PE
Senior Project Engineer/Office Manager
Interstate Engineering
120 Industrial Drive, Suite 2
PO Box 226
Spearfish, SD 57783
Phone: 605.642.4772
Cell: 605.391.2086
Fax: 605.642.4773
Ron.Bengs@interstateeng.com

Professionals you need, people you trust.

Jill Dybvig

From: Ron Vanderpool <rvanderpool@map-inc.org>
Sent: Friday, April 16, 2021 9:05 AM
To: Kim Gotshall (braddyville@windstream.net); Jacob Kolander (cityclerk@vestamn.us); Sherry Schmidt (flashernd@gmail.com); Jill Dybvig; Neal Stone; robertswatersewer@gmail.com; Chris DeVries; tshorter406@gmail.com; Gardiner Water And Sewer
Subject: Another GIS option
Importance: High

Good morning,

I have recently been approved to extend your current GIS model for another year, effective from September 1,2021 through August 31,2022.

I apologize for this late notice but we are currently working through many aspects of a very complex GIS environment.

Everything would be the same or you can modify your user types to fit your needs. In this current model MAP can continue to provide assistance/guidance without having to work through the many aspects of the Good Faith Estimate options you recently received.

Your costs to stay as you are based on your current licensing would be;

One Field Worker User Type license @ \$375.00

One Viewer User Type license @ \$107.00

Any assistance/guidance from MAP would be at the previously identified \$65.00/Hr. in ½ hour increments.

You can also reduce the cost by removing the Viewer User Type.

We can also offer a higher license level in addition to or replacement of existing licenses. The higher license level would provide you the ability to take advantage of development/management tools to enhance your mapping experience.

Taking advantage of this option will provide you the ability to extend your mapping environment for a lower annual cost and also give you more time to prepare for the changes.

As an FYI, we are currently in negotiations to be able to offer an ongoing map hosting environment. We have several things that need to be worked out on our end with our software provider but there is a good chance this option may be available to you.

If you would like to discuss the above information please contact me at your earliest convenience.

Thank-you.

Respectfully,

Jill Dybvig

From: Ron Vanderpool <rvanderpool@map-inc.org>
Sent: Friday, March 26, 2021 7:29 AM
To: Gail Boddicker; Jill Dybvig
Cc: Kelli Fika; Chris Fierros; LeAnn Kerzman
Subject: Hermosa GIS Mapping
Attachments: Hermosa AGOL GIS_GoodFaithEstimate 3.26.21.pdf

Greetings,

Hope things are well for you and your community.

As most communities we serve are currently projecting upcoming fiscal budgets we wanted to make sure you have some costing figures for continuing with you online mapping and database of your system's infrastructure.

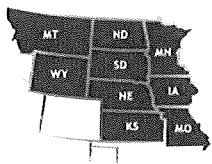
Although there are many options for online mapping, we at MAP have assembled what we feel is the best case scenario for your community to maintain access and full control of your data and mapping.

Attached please find our Good Faith Estimate which depicts two options where you being able to access our GIS expertise and still have the full administrative role to conduct your mapping and data analysis as you need, and when you need.

We also want to remind you that your current mapping portal licenses will expire August 31, 2021. Those licenses consist of a Field Worker license valued at \$350.00 and a Viewer license valued at \$100.00. In the current Good Faith Estimate we provided costing for a single Creator license that give the user full control of their own GIS environment. The former mentioned licenses cannot provide these controls and in fact limit the user to be fully dependent on some other upper-level licensed user to develop or enhance any structure in the online mapping environment.

Please feel free to contact us with any questions or concerns.

Respectfully,



Ronald Vanderpool
GIS Coordinator
Midwest Assistance Program
2656 Kennedy Ave
Laramie, WY. 82070
"HG SVNT DRACONES"
(307)996-6888



Midwest Assistance Program
303 N. Market St., Suite 2
Maryville, MO. 64468
(660) 562-2575
map@map-inc.org

Good Faith Estimate

Online Infrastructure Mapping

Hermosa, South Dakota

Midwest Assistance Program is pleased to provide you with this Good Faith Estimate related to the ongoing Web Mapping of your system's infrastructure.

Option 1 – External GIS Set-up & Assistance

- Aid with acquisition/set up of an Esri AGOL environment – 2 hours (estimate)
- Import data from MAP AGOL to Community/System AGOL – 2 hours (estimate)
- Provide AGOL “Getting Started” guidance – 4 hours (estimate)

Community/System costs:

- Esri Creator License/AGOL - \$500.00 (System pays Esri direct)
 - Remote set up/guidance – 8 hours @ \$65.00/hour = \$520.00 (based on above estimated hours)
 - ❖ Additional MAP support/guidance costs - \$65.00/hour bill on ½ hour increments. (via Zoom)
-

Option 2 – Internal GIS Set-up & Assistance

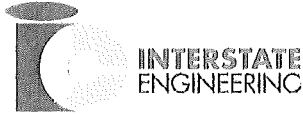
To compliment Option 1, the Community/System may opt for MAP GIS staff to act as an additional AGOL admin to utilize MAP's GIS expertise to enhance the Community/System AGOL environment.

This service is anticipated to terminate after one year as the Community/System should have a fairly well-developed environment and sound knowledge in the workflows.

Community/System costs:

- Esri Creator License for MAP to interact with AGOL - \$500.00 (System pays Esri direct)
- MAP support/development costs - \$65.00/hour billed on ½ hour increments. (Direct interface with System's AGOL)

{GFE valid for 45 days}



PROFESSIONAL SERVICES AGREEMENT TO FURNISH GEOGRAPHIC INFORMATION SYSTEMS (GIS) SERVICES TO THE TOWN OF HERMOSA, SD

This Agreement provides for professional Geographic Information Systems (GIS) services to be performed by INTERSTATE ENGINEERING, INC., (hereinafter the GIS Professional), for the Town of Hermosa, SD (hereinafter TOH). This Agreement represents an authorization to proceed with the scope of services, schedule, and compensation described herein. This Agreement, when executed by both parties, shall become a legal and binding Agreement between the parties.

ARTICLE 1. SCOPE OF SERVICES:

The TOH's need for a Geographical Information System software management and deployment project is dictated by the ongoing efforts of management to collect point, polyline, and polygon data on current infrastructure for use in improving both field and office management procedures in addition to asset management workflows and succession planning. The TOH will be provisioned with the software and information necessary to assimilate positional and characteristic data enabling the updating and editing of their GIS data attributes in the field.

An overview of the projects advancement is as follows: With regards to the positional data currently collected, the TOH needs to create a database system to house and update both the point, polyline, and polygon data, and tabular information managed by the TOH. The database can then be utilized to deploy both local and web based field/office support systems for more efficient and centralized workflows pertaining to system planning, growth management, maintenance, and asset management.

A GIS system will be deployed to open up location information and intelligence to everyone at the TOH. Field personnel will have a web application compatible with smart phones and tablets. Management and engineering will have access to actionable information that will be more easily shared across departments and contractors. Managers and supervisors will have tools that create situational awareness and facilitate timely and accurate decisions. The project scope is divided into the tasks outlined below.

Task 1: Planning and Development:

This task's efforts will be spent on creating and configuring an ESRI organizational account for the TOH. Existing data will be reviewed and migrated from known existing datasets from the previous vendor, Midwest Assistance Program, (MAP). This task will also address the initial prospective uses and implementations of GIS leading to the overall design and progress direction.



Task 2: Build Mapping Database:

Surveyed location data collected to date will be reviewed and reconciled into a normalized database system. This process includes addressing the data's coordinate system, schema, and database parameters. It also addresses the accuracies and wholeness or completeness of the dataset itself. The data will be compiled into a single File Geodatabase which will house the TOH's current point, polyline, polygon data along with the attributes associated with them. Symbology will also be normalized and templated in a layer file for future mapping needs. The ability to attach any type of media to the points, lines, and polygons, will be added. Deficiencies will be identified so incomplete or inaccurate data can be planned for and rectified in the future.

Task 3: Web Mapping:

After the usable data sets are created, they will be shared as services for application development/deployment. These services will be used to create web maps and finally a web application.

Task 4: Field Application Deployment:

A field map application will be used to deploy field collection and inspection capabilities. The application development will create a web-based application that can be run on any web interfacing device. This task also includes one (1) training on the use of this application, administered by the GIS Professional, either in person or virtually for the TOH's users.

Deliverables associated with this Agreement include the following:

1. A Web Accessible Map/App for the TOH's use. (Web Accessible Maps for public use can be provided as an additional service at a later date upon request).
2. Feature Data Web Services (Cloud based Layers).
3. Field Based Database Editing Capabilities (For Mobile Use).
4. A one (1) time software training.

Additional GIS Services:

Additional services that may be requested by the TOH shall be provided at the GIS Professionals hourly rate schedule in effect at the time of request. The additional services can be requested by the TOH's Management.

Additional services may include but are not limited to:

1. Data Integrations with External PDFs, JPEGs, or Spreadsheets.
2. Connections to the county or state GIS databases.



3. Integrations with the TOH's Utility Billing Database or Live SCADA Feeds.
4. Hydrant and Valve Inspection Applications.
5. Integration of As-built Datasets.
6. Hard Copy Maps.
7. Asset Management Tracking Forms Creation.

ARTICLE 2. EXCLUSIONS:

While this scope does deploy a GIS, it does not include any of the following provisions:

1. Adding information to infrastructure attributes from known asbuilt, or design information that may be available.
2. Attachment of media or documents of any kind.
3. Any mapping deliverables outside of the described scope.

ARTICLE 3. ASSUMPTIONS:

1. The preceding Tasks assume that no field surveying is required.
2. No subconsultants are anticipated for these Tasks.
3. The Client Manager for the TOH is Ronald A. Bengs, PE.
4. The Project Manager assigned to these Tasks is Jason Boucher, GISP.

ARTICLE 4. ATTACHMENTS:

The following attachments are included with and made a part of this Agreement:

Interstate Engineering, Inc. Schedule of Rates – subject to change in February of each year.

ARTICLE 5. SCHEDULE:

The GIS Professional shall begin work immediately upon receipt of a signed copy of this Agreement. The timeline for implementing the TOH's GIS system would be to have it built and deployed for use in the Summer of 2021. Following client approval of this Agreement and its proposed scope and budget, Task 1 can commence. Time will be of the essence and being able to meet the proposed schedule is dependent upon both party's ability to facilitate any needed communications or requested action items.

ARTICLE 6. COMPENSATION:

A. BUDGET:

Compensation: The GIS Specialist shall be reimbursed by the Owner on a percent completed basis of a Lump Sum amount per the task schedule below. The portion of the Lump Sum



amount billed for GIS Professional's services will be based upon GIS Professional's estimate of the percentage of the total services actually completed during the billing period.

A Lump Sum amount of \$12,900 based on the following estimated distribution of compensation for completing the scopes tasks are as follows:

Task 1: Planning and Development	\$2,500
Task 2: Build Mapping Database	\$5,400
Task 3: Web Mapping	\$2,500
Task 4: Field Application Deployment/Training	\$2,500
Other Direct Costs (ESRI Software Subscription)	\$500/Yr.

For Additional Services, the GIS Specialist shall be reimbursed by the Owner on an hourly basis per the attached hourly rate schedule. This budget can only be authorized by the TOH's Management.

B. PAYMENT SCHEDULE:

Payment compensation shall be made by the TOH to the GIS Professional in accordance with the Agreement.

DATED this _____ day of _____, 2021.

TOWN OF HERMOSA, SD

INTERSTATE ENGINEERING, INC.

Town of Hermosa, Board President

Ronald A. Bengs

Ronald A. Bengs, P.E., Office Manager

Date

2 10 2021

Date



SCHEDULE OF RATES

ATTACHMENT #1

ENGINEERS

ENG I	\$98.00 per hour
ENG II	\$133.00 per hour
ENG III	\$165.00 per hour
ENG IV	\$188.00 per hour
ENG V	\$206.00 per hour
ENG VI	\$230.00 per hour
ENG VII	\$250.00 per hour

SURVEYORS

SURV I	\$90.00 per hour
SURV II	\$105.00 per hour
SURV III	\$125.00 per hour
SURV IV	\$154.00 per hour
SURV V	\$174.00 per hour
SURV VI	\$193.00 per hour
SURV VII	\$207.00 per hour

PLANNERS

PLANNER I	\$83.00 per hour
PLANNER II	\$106.00 per hour
PLANNER III	\$138.00 per hour
PLANNER IV	\$165.00 per hour

TECHNICIANS

TECH I	\$60.00 per hour
TECH II	\$92.00 per hour
TECH III	\$112.00 per hour
TECH IV	\$132.00 per hour
TECH V	\$142.00 per hour
TECH VI	\$166.00 per hour
TECH VII	\$179.00 per hour
TECH VIII	\$205.00 per hour

ADMINISTRATIVE

ADMIN I	\$67.00 per hour
ADMIN II	\$77.00 per hour

INFORMATION TECHNOLOGISTS

IT I	\$135.00 per hour
IT II	\$185.00 per hour

EXPERT WITNESS

\$275.00 per hour

CHARGEABLE EXPENSES

Subsistence.....	Actual cost	8 1/2" X 11" Prints per Page.....	\$0.15 – black & white, \$0.50 - color
Travel Vehicle.....	\$0.58 per mile	11" x 17" Prints per Page.....	\$0.25 – black & white, \$0.50 - color
Survey Vehicle.....	\$0.68 per mile	24" x 36" Prints per Page.....	\$9.00
Aircraft.....	Actual cost	Mylar.....	\$3.00 per ft ²
Any But Ordinary First-Class Postage.....	Actual cost	ATV.....	\$75.00 per day
Subconsultant Services.....	Cost plus 10%	UTV.....	\$150.00 per day
Plat Certification per Certification.....	\$35.00	ATV / UTV with Tracks.....	\$125.00 / \$200.00 per day
Recordation per Monument.....	\$35.00	Snowmobile.....	\$200.00 per day
Cost of surveying materials, filing fees, drafting materials and other materials required for the job..... Cost plus 25%			
Any and all sales and use tax, TERO or other special fees which apply to this contract.			

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Offices in: North Dakota • Montana • Minnesota • South Dakota • Wyoming

9A

TOWN OF HERMOSA
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RECON

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Page 1

10100 CASH/10700 CASHRSRV/10800 DPSTRSRV
March 2021

Account Summary

Beginning Balance on 3/1/2021	\$959,577.37
+ Receipts/Deposits	\$72,441.15
- Payments (Checks and Withdrawals)	\$135,521.74
Ending Balance as of 3/31/2021	\$896,496.78

Cleared Statement	\$896,496.78
Difference	\$0.00

Cash Balance

Active 101-10100 GENERAL FUND	\$182,938.44
Active 101-10700 GENERAL FUND	\$0.00
Active 211-10100 BBB Gross Receipts Tax Fund	\$30,919.93
Active 272-10100 FEMA FUND/CONSTRUCTION ACCT	\$0.00
Active 301-10100 DEBT SERVICE FUND	\$194,815.31
Active 602-10100 WATER FUND	\$243,156.95
Active 602-10700 WATER FUND	\$2,572.81
Active 602-10800 WATER FUND	\$10,585.50
Active 604-10100 SEWER FUND	\$230,073.62
Active 604-10700 SEWER FUND	\$313.83
Cash Balance	\$895,376.39

Beginng Balance	\$959,577.37
+ Total Deposits	\$78,421.83
- Checks Written	\$142,622.81
Check Book Balance	\$895,376.39
Difference	\$0.00

TOWN OF HERMOSA

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RESERVE
10700 CASHRSRV

Check Nbr	Vendor Name	Check Date	Outstanding	Cleared
Deposit	12-21-2020PSN	12/21/2020	(\$171.74)	
Deposit	12-21-2020PSN	12/21/2020	(\$871.73)	
Deposit	02-16-2021PSN	2/16/2021	(\$2,104.84)	
Deposit	02-16-2021UB	2/16/2021		(\$1,569.28)
Deposit	02-16-2021UB	2/16/2021		(\$3.80)
Deposit	02-17-2021PSN	2/17/2021	(\$57.41)	
Deposit	02-17-2021UB	2/17/2021		(\$543.15)
Deposit	02-19-2021PSN	2/19/2021	(\$97.41)	
Deposit	02-19-2021UB	2/19/2021		(\$1,446.33)
Deposit	02-19-2021UB	2/19/2021		(\$150.35)
Deposit	02-25-2021PSN	2/25/2021		(\$73.21)
Deposit	02-25-2021UB	2/25/2021		(\$741.50)
Deposit	02-25-2021UB	2/25/2021		(\$7.00)
Deposit	02-26-2021PSN	2/26/2021		(\$160.11)
Deposit	02-26-2021UB	2/26/2021		(\$1,215.25)
Deposit	02-26-2021UB	2/26/2021		(\$67.00)
Deposit	030121REC	3/1/2021		(\$5,331.41)
Deposit	03-08-2021PSN	3/8/2021		(\$1,523.02)
Deposit	03-08-2021UB	3/8/2021		(\$1,403.03)
Deposit	03-08-2021UB	3/8/2021		(\$7.73)
Deposit	03-08-2021UB3	3/8/2021		(\$1,445.33)
Deposit	03-09-2021PSN	3/9/2021		(\$247.26)
Deposit	03-10-2021PSN	3/10/2021		(\$1,153.28)
Deposit	03-10-2021UB	3/10/2021		(\$574.74)
Deposit	03-10-2021UB	3/10/2021		(\$2.62)
Deposit	031121REC	3/11/2021		(\$902.49)
Deposit	03-11-2021PSN	3/12/2021		(\$244.37)
Deposit	03-15-2021PSN	3/15/2021		(\$2,209.08)
Deposit	03-15-2021PSN1	3/15/2021		(\$176.59)
Deposit	03-15-2021UB	3/15/2021		(\$71.72)
Deposit	03-15-2021UB	3/15/2021		(\$1,711.56)
Deposit	03-15-2021Haas	3/15/2021		\$39.61
Deposit	03-15-2021Haas	3/15/2021		\$60.39
Deposit	03-15-2021Haas1	3/15/2021		(\$32.78)
Deposit	03-15-2021Haas1	3/15/2021		\$32.78
Deposit	03-16-2021PSN	3/16/2021		(\$217.93)
Deposit	03-16-2021UB	3/16/2021		(\$635.78)
Deposit	03-16-2021UB	3/16/2021		(\$0.40)
Deposit	03-17-2021PSN	3/18/2021		(\$200.00)
Deposit	03-17-2021PSN	3/18/2021		(\$270.60)
Deposit	03-18-2021UB	3/18/2021		(\$1,377.01)
Deposit	03-19-2021PSN	3/19/2021		(\$212.86)
Deposit	03-19-2021UB	3/19/2021		(\$655.10)
Deposit	03-19-2021UB	3/19/2021		(\$81.87)
Deposit	03-22-2021PSN	3/22/2021		(\$644.64)
Deposit	03-22-2021PSN	3/22/2021		(\$3.00)
Deposit	03-22-2021UB	3/22/2021		(\$0.49)
Deposit	03-22-2021UB	3/22/2021		(\$487.56)

TOWN OF HERMOSA

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Pioneer Bank & Trust
10100 CASH

Check Nbr	Vendor Name	Check Date	Outstanding	Cleared
Deposit	Custer Co 3 19 21	3/23/2021		(\$1,317.86)
Deposit	03-23-2021PSN	3/23/2021		(\$12.00)
Deposit	032421REC	3/24/2021		(\$3,929.39)
Deposit	03-25-2021UB	3/25/2021		(\$1,199.68)
Deposit	DRR 3 2021	3/26/2021		(\$13,269.33)
Deposit	03-26-2021PSN	3/26/2021		(\$54.50)
Deposit	03-29-2021PSN	3/29/2021	(\$230.20)	
Deposit	03-29-2021UB	3/29/2021	(\$952.55)	
Deposit	03-29-2021UB	3/29/2021	(\$30.00)	
Deposit	033021REC	3/30/2021		(\$15,849.44)
Deposit	03-30-2021PSN	3/31/2021	(\$97.22)	
Deposit	03-30-2021PSN1	3/31/2021	(\$185.23)	
Deposit	03-31-2021UB	3/31/2021	(\$0.80)	
Deposit	03-31-2021UB	3/31/2021	(\$1,181.55)	
Deposit	Pioneer CR Mar 21	4/6/2021		(\$38.44)
Deposit	Pioneer INT Mar 21	4/6/2021		(\$23.17)
Deposit	040721REC	4/7/2021		(\$7,672.60)
Deposit	04-7-2021 Gifford	4/7/2021		\$67.15
Deposit	02-22-2021UB	4/8/2021		(\$517.18)
Deposit	02-22-2021UB	4/8/2021		(\$142.67)
Deposit	03-08-2021U1	4/8/2021		(\$1,337.99)
Deposit	03-08-2021U1	4/8/2021		(\$0.55)
Deposit	03-17-2021PSN1	4/8/2021		\$100.00
Deposit	Duplicate batch nme	4/8/2021		\$424.95
000794E	Verizon Connect NWF, Inc.	1/20/2021	\$32.38	
000811E	Birch Telecom	2/22/2021		\$42.11
000833E	PAYMENT SERVICE NETWORK	3/4/2021		\$74.95
000818E	A & B Business Equipment, Inc.	3/5/2021		\$508.89
000819E	Sanders Sanitation	3/5/2021		\$2,694.45
000820E	EFTPS	3/10/2021		\$847.56
000821E	Mt Rushmore Telephone	3/16/2021		\$248.95
000822E	LINGO	3/16/2021		\$33.17
000823E	Pioneer Bank & Trust	3/16/2021		\$25.00
000824E	Pioneer Bank & Trust	3/16/2021		\$1,533.82
000825E	SD Dept of Revenue	3/19/2021		\$459.94
000826E	EFTPS	3/29/2021		\$1,493.11
000834E	A & B Business Equipment, Inc.	3/31/2021		\$528.64
000827E	BH Electric Coop	4/6/2021		\$3,477.36
000828E	Rural Development	4/6/2021		\$1,278.00
000829E	Rural Development	4/6/2021		\$417.00
000830E	Rural Development	4/6/2021		\$222.00
000832E	Pioneer Bank & Trust	4/6/2021		\$62.26
000835E	Pioneer Bank & Trust	4/7/2021		\$20.13
014082	King, Robert	4/1/2017	\$69.26	
014739	LEISING, COURTNEY	7/31/2018	\$28.00	
014897	TAYLOR, KIM	12/4/2018	\$14.00	
014979	REICHARDT-GUNHAMMER, DUSTIN	2/4/2019	\$16.38	
015064	Henrichsen, Vicki L	5/1/2019	\$69.26	

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Pioneer Bank & Trust
10100 CASH

Check Nbr	Vendor Name	Check Date	Outstanding	Cleared
015186	VERIZON CONNECT NWF, INC	7/18/2019	\$37.90	
015252	PENA, RAY	9/3/2019	\$32.75	
015354	Henrichsen, Vicki L	11/29/2019	\$46.18	
015360	ALFSON, RICK	12/3/2019	\$50.00	
015544	BIRCH COMMUNICATIONS	4/7/2020	\$23.09	
015582	Henrichsen, Vicki L	4/30/2020	\$115.44	
015702	BIRCH COMMUNICATIONS	7/17/2020	\$25.32	
015777	SCHREURS, ASHLEY	9/2/2020	\$105.63	
015832	Mt Rushmore Telephone	10/8/2020	\$219.55	
015928	Karp, Mike	12/16/2020	\$16.50	
015959	Impressions Rubber Stamp, Inc.	1/8/2021	\$45.74	
015983	TORRES, DAN & SALINDA	1/20/2021		\$25.00
015984	WALTMAN, MONTE	1/20/2021	\$58.00	
015990	Kramer, Linda M.	1/29/2021		\$77.22
016021	Whiting Hagg & Hagg	2/22/2021		\$1,200.00
016022	Belt, Vonda	2/26/2021		\$60.95
016023	Flug, Bernhard	2/26/2021		\$230.87
016024	Henrichsen, Vicki L	2/26/2021		\$161.61
016025	Holsworth, Danny J.	2/26/2021		\$230.87
016026	King, Robert	2/26/2021		\$230.87
016027	Kramer, Linda M.	2/26/2021		\$145.10
016028	Schumack, Terri V	2/26/2021		\$184.70
016029	Boddicker, Gail L.	2/26/2021		\$1,130.55
016030	Daggett, Jimmy L.	2/26/2021		\$681.68
016031	Swier-Dybvig, Jill	2/26/2021		\$907.42
016032	Ferguson, Chuck	2/26/2021		\$2,266.67
016033	WESTERGARD, BRADLEY	2/26/2021		\$300.00
016034	BH Council Local Governments	3/5/2021		\$300.00
016035	Dakota Supply Group	3/5/2021		\$1,456.48
016036	DAMORE, FREDERICO	3/5/2021	\$50.00	
016037	DENR	3/5/2021		\$83,386.87
016038	Ferguson, Chuck	3/5/2021		\$1,330.00
016039	Health Pool of South Dakota	3/5/2021		\$841.42
016040	Henrichsen, Vicki	3/5/2021		\$74.54
016041	INTERSTATE ENGINEERING, INC	3/5/2021		\$9,863.56
016042	METERING&TECHNOLOGY SOLUTION	3/5/2021		\$953.76
016043	Miller Construction	3/5/2021		\$2,244.00
016044	SD Retirement System	3/5/2021		\$638.40
016045	Southern Hills Publishing Inc.	3/5/2021		\$255.94
016046	Temperature Technologies Inc.	3/5/2021		\$114.33
016047	VERIZON CONNECT NWF, INC	3/5/2021		\$20.82
016052	WESTERGARD, BRADLEY	3/15/2021		\$300.00
016053	Boddicker, Gail L.	3/15/2021		\$1,362.91
016054	Daggett, Jimmy L.	3/15/2021		\$856.38
016055	Swier-Dybvig, Jill	3/15/2021		\$883.18
016056	ADVANCED AUTO GLASS	3/16/2021		\$200.00
016057	BODDICKER, GAIL	3/16/2021		\$17.20
016058	Ferguson, Chuck	3/16/2021		\$345.00

TOWN OF HERMOSA

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Pioneer Bank & Trust
10100 CASH

Check Nbr	Vendor Name	Check Date	Outstanding	Cleared
016059	Golden West Internet Solutions	3/16/2021		\$561.50
016060	INTERSTATE ENGINEERING, INC	3/16/2021		\$793.50
016061	JOHNSON LAW OFFICE	3/16/2021		\$892.50
016062	Office Depot	3/16/2021		\$77.30
016063	RAPID COLLISION	3/16/2021		\$3,285.20
016064	RITEWAY BUSINESS FORMS	3/16/2021		\$179.07
016065	Rushmore Communications	3/16/2021		\$48.16
016066	SUMMIT COMPANIES	3/16/2021		\$192.00
016067	Ferguson, Chuck	3/25/2021	\$2,266.67	
016068	WESTERGARD, BRADLEY	3/25/2021		\$300.00
016069	Clarke, Delmar	3/30/2021	\$110.82	
016070	Harris, Joan E.	3/30/2021	\$221.64	
016071	Henrichsen, Vicki L	3/30/2021	\$27.70	
016072	Kespert, Paul	3/30/2021	\$138.52	
016073	Schumack, Terri V	3/30/2021	\$138.52	
016074	Waltman, Lon	3/30/2021	\$138.52	
016075	Belt, Vonda	3/30/2021	\$94.20	
016076	Flug, Bernhard	3/30/2021	\$230.87	
016077	Henrichsen, Vicki L	3/30/2021	\$230.87	
016078	Holsworth, Danny J.	3/30/2021	\$184.70	
016079	King, Robert	3/30/2021	\$230.87	
016080	Kramer, Linda M.	3/30/2021	\$103.08	
016081	Schumack, Terri V	3/30/2021	\$230.87	
016082	Boddicker, Gail L.	3/30/2021	\$1,697.84	
016083	Daggett, Jimmy L.	3/30/2021		\$681.68
016084	Swier-Dybvig, Jill	3/30/2021		\$1,265.19
	Receipts/Deposits		(\$5,980.68)	(\$72,441.15)
			Total Deposits	(\$78,421.83)
	Payments/Withdrawals		\$7,101.07	\$135,521.74
	Outstanding + Cleared Checks = Total Checks Written			\$142,622.81

*NM Next Month items not included in Total Checks Written and Total Deposits

HERMOSA PLANNING & ZONING BOARD
REGULAR MEETING
April 13, 2021 @ 6:00pm



10A

ROLL CALL: Harris called the meeting to order at 6:00pm with the following members present; Harris, Clarke, Kespert, Waltman; Liaison Schumack; Trustee Holsworth; present also Dybvig and 1 citizen. Pledge of Allegiance led by Harris.

CALL FOR CHANGES: Harris requested the zoning issue at Walnut Grove be added (5d). Motion by Kespert second Clarke to accept the agenda with addition; vote; all aye; motion carried.

CONSENT CALENDAR:

March 23, 2021, P&Z minutes as presented; Motion by Kespert, second by Clarke to approve; vote; all aye; motion carried.

OLD BUSINESS:

2021-06- Southern Hills RV; Jerry Styles was present at the meeting. He is working on getting detailed plans of project to present at future P&Z meeting.

NEW BUSINESS:

Permit 2017-23-105 2nd St.- A complaint from someone who wishes to remain anonymous regarding the construction on the Old Fire Hall. Concerns included whether the original permit plan included specs or an engineered design for new roof. Citizen was forced to change the roof design due to interior leak problems around the old chimney. Centerline Building & Pro Build had the right beam to span the load, H beams for trusses and support walls to carry load. Board discussion regarding information on the permit consisted of whether this project was standard maintenance or if a new permit and staff report should have been submitted. Harris requested this to be on the agenda to discuss and decide as a group. Harris would have liked an Informational Permit submitted at the time the decision was made to change the roof design. Citizen supplied new Informational Permit/Work Order change (Permit 2021-11) and pictures of damage to old roof at the meeting. Ron Bengs was asked to provide comment on current construction and his opinion/interpretation is that this is not strictly maintenance, due to the two structural bearing walls. Board had conflicting opinions and Kespert signified that it was a completely new structure. Harris stated that the process to make a complaint, that is a request to P&Z and placement on their agenda needs to go through the Town Office starting with Dybvig, who will then request help or answers as needed. Harris suggested that the process for this complaint, was ridiculous and it bordered a fine line between ordinance compliance and toxic behavior, as all complaints that come to us seem to be anonymous and concern Mr. Holsworth. Citizen requested statement be in the minutes and Harris agreed. Board reviewed the ordinance, and a majority decision was made to consider the project only maintenance. Motion by Waltman, second by Clarke to approve; Waltman, Clarke, Harris; aye, Kespert; nay; motion carried.

Permit 2021-08 – Digging Permit- Pulis Construction - Hermosa Hills for water and sewer extension only for lots 9-14. Permanent Drainage Easement (10ft) for east side of lot 9 was supplied by Jerry Styles. The installation will follow SDDENR approved subdivision plans. Kespert vote to approve permit per Ron's staff report, seconded by Waltman; all aye; motion carried.

Permit 2021-09- Conditional Permit - 267 Main St.- Citizen requested permission to set up beehive in backyard. Concerns included when the town sprays for mosquitos that it could have an effect on the bees. Harris requested Dybvig draft a document for citizens to sign not holding town of Hermosa liable for any damage to bees due to spraying for mosquitos. Motion by Kespert, second by Waltman to approve 6-month maximum permit and reconsider to deny or renew permit in 6 months. Vote; all aye; motion carried.

Walnut Grove Zoning- Discussion on zoning for lots D, E, F, G, H, J, K, L, M & N for Walnut Grove. Developer indicated that he had rezoned from R2 to R1 in the past. Recommendation by Harris to review all past Permits, Applications, P&Z agendas, and Minutes to verify if lots were re-zoned to R1. Kespert and Dybvig agreed to do research and report back on findings. Leaving item on agenda as pending.

REVIEW BOT MINUTES:

Not available at time of meeting

ORDINANCE REVIEW & WORK ITEMS:

There may be a quorum of Board of Trustees present at Planning & Zoning Meetings

Pre-Inspection Form- New form presented by Dybvig, Harris updated with some changes and the board added a few more. Discussion included pre inspections for all new construction on lots. Board discussed who will do inspections. Agreement was that Chuck Ferguson could use some additional help with inspections and pre-inspections and the town should look into hiring someone part-time. Board discussed Ferguson inspecting his own work and agree it is a conflict of interest. Dybvig will update Pre-Inspection Form with requested changes and present at the next April 27th P&Z meeting.

Permit Processes, Flow sheet discussed; Pending

TRUSTEE INPUT:

CITIZEN INPUT:

ADJOURN: Motion by Kespert, second by Clarke to adjourn the meeting at &7:00pm.

ATTEST:

Joan Harris, Planning & Zoning Board President

Jill Dybvig, Administrative Assistant

Hours of Operation:
Monday – Friday 8:00—5:00

Town of Hermosa

PO Box 298 • 230 Main Street • Hermosa, SD 57744
Phone (605) 255-4291 • Fax (605) 255-4094
E-mail: townhrmsa@custercountysd.com

DATE 4/13/21

PERMIT # 2021-11

No Fee
Receipt # _____ Cash _____ Check # _____ Amount <u>0 NA</u>

INFORMATIONAL PERMIT / PERMIT WORK ORDER CHANGE

Property Owner Name(s): DAN HOLSWORTH

Mailing Address: PO BOX 163
HERMOSA SD 57744

Email: _____

Address of Project: PERMIT 2017-23, 105 2ND STREET

Legal Description: LOTS 1-3

Subdivision _____ Block 11 Lot(s) Lot Size 7500 SQ FT

Zoning District R1 Is Property in the Flood Plain? Yes No

Description of Work: ROOF LINE WAS CHANGED FROM APPROVED CONSTRUCTION PERMIT.

SEE ATTACHMENT:

i.e. Fence below 4' high; Accessory Building/Deck less than 160 sq.ft.; Sidewalk; Driveway; Concrete; Renovation / Remodel / Repairs / Maintenance not requiring Building Permit (i.e. shingle replacement)

Total Cost Estimate of Project _____ Total Square Footage of Project _____

Building Area (Sq. Ft.) _____ Height: _____

Accessory Bldg. Setbacks From Lot Lines: Front: _____ Ft. (25' Town Minimum)

(See Ord.10-6R) Rear: _____ Ft. (5' Town Minimum)

Side: _____ Ft. (8' Town Minimum)

Side: _____ Ft. (8' Town Minimum)

*General Contractor
Dan Holsworth*

Licensed Contractor / Person doing work Counter Line Const Scott Smith

Address of Contractor / Person Po Box 163 Hermosa

Contact Phone Number of Contractor / Person 381-5454

Parcel # 009223
OFFICE USE

Town of Hermosa

10C

PO Box 298 • 230 Main Street • Hermosa, SD 57744
Phone (605) 255-4291 • Fax (605) 255-4094
Email: town@hermsoasd.com

DIGGING/GRADING PERMIT

DATE 4/6/2021

PERMIT # 2021-08

Receipt #	Cash	Check # <u>1888</u>	Amount <u>35.00</u>
-----------	------	---------------------	---------------------

All provisions of the Laws and Ordinances of the Town of Hermosa and the State of South Dakota governing the type of work being done and will be complied with, whether specified herein or not.

The granting of a permit does not presume to give authority to violate, cancel, or set aside any of the provisions of the building code, zoning ordinances, or any other local law or ordinance regulating construction or the performance of construction in the Town of Hermosa.

Sketch and/or describe work: (use separate sheet, or attach grading plan)

Will grading operation be located in the floodplain? _____ Yes No

If yes, have ordinance requirements been met? _____ Yes No

Will drainage patterns be altered? _____ Yes No

Will grading operation take place in a geologically hazardous area? _____ Yes No

If yes, have proper precautions been taken? _____ Yes _____ No

Quantity of Grading or Excavation: 500 Cubic Yards Area to be disturbed by proposed work: .25 acres

Identify types of erosion control to be applied: _____

Source/Destination of materials: _____

Provide traffic control per Manual on Uniform Traffic Control Devices.

Hard route: _____

Buildings constructed on fill will be required to have foundations designated by a professional engineer, per SDCL 36-18 and the current building codes adopted by the Town of Hermosa.

A stormwater discharge permit from the South Dakota DENR (605-773-3351) may be required if the work under this application or the overall plan of development will result in the disturbance of over 1 acre of land.

Stormwater permit application attached? _____ Yes No _____ N/A

This permit will expire one year from date of issuance.

The Finance Officer will be notified upon start of work and completion of work for inspection purposes (255-4291).

Name Trent Pulis - Pulis Construction

Lot Address Lot 9-14 sewer and water main extension and service

Mailing Address _____

Email Complete as per DENR approved plans.

Legal Description _____

Telephone # 390-7533 Cellphone # _____

Relationship to Property: _____ Owner _____ Contractor Owners Representative

I certify that I have read and understand and agree to all terms and conditions set forth herein this entire document. I specifically understand that by signing this document I am agreeing to be jointly and severally responsible, personally, and for any and all work done under this permit.

Signature Trent O. Pulis Date _____

015178
015179
015180
015181

Parcel # 015182
015183
OFFICE USE ONLY

<p>PLANNING AND ZONING COMMISSION</p> <p><input type="checkbox"/> Approved <input type="checkbox"/> Denied</p> <p>NAME: _____</p> <p>TITLE: _____</p> <p>SIGNATURE: <u>Joan Harris</u></p> <p>DATE: _____</p> <p>APPLICATION FEE: \$35.00 DATE PAID: _____</p>	<p>HERMOSA BOARD OF TRUSTEES</p> <p><input type="checkbox"/> Approved <input type="checkbox"/> Denied</p> <p>NAME: _____</p> <p>TITLE: _____</p> <p>SIGNATURE: _____</p> <p>DATE: _____</p> <p>DATE PERMIT ISSUED: _____</p>
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Doc #79639 Recording Fee \$30.00
CUSTER COUNTY REGISTER OF DEEDS
Recorded 7/10/2020 at 8:32 AM, Book 47 MISC 269
Teri L Morgan, Register of Deeds

Prepared by:
John Preston
PO Box 52
Hermosa, SD 57744
605-381-0555

PERMANENT DRAINAGE EASEMENT

THIS INDENTURE, made this 19 day of July, 2020, by and between John Preston, Hermosa Hills, LLC, owner of Lot 3 of Hermosa Hills Addition, hereinafter referred to as owner, and Town of Hermosa, a municipal corporation, hereinafter referred to as Town.

Witnesseth, that Landowner in consideration of One Dollar and good and other valuable considerations, the receipt of which is hereby acknowledged, does hereby grant, bargain, sell and convey unto the Town, a Permanent Drainage Easement, over and through the following described real estate in the Town of Hermosa, County of Custer, State of South Dakota, for the purpose of any water drainage:

The east 10 feet of Lot 9, Hermosa Hills Addition, Town of Hermosa, Custer County, South Dakota.

This Permanent Drainage Easement shall run with the land and be binding upon the grantees, lessees, successors, and assigns of the parties hereto, unless Terminated by the Town of Hermosa.

IN WITNESS WHEREOF, Landowner has hereunto set its hand the day and year first above written.



John Preston, Owner Lot 3 Hermosa Hills

STATE OF SOUTH DAKOTA)
)SS
COUNTY OF CUSTER)

On this the 10th day of July, 2020, before me the undersigned officer, personally appeared John Preston, known to me or has proven to be the person whose name is subscribed to the within instrument, who acknowledged that they executed the same for the purposes herein contained.

IN WITNESS WHEREOF, I set my hand and official seal.




Notary Public
My Commission Expires: July 18th 2025

013103

013179

013178

013177

Lot 10

Lot 9

HERMOSA

013180

013181

013182

013183

Lot 11

Lot 12

Lot 13

Lot 14



April 8, 2021

Town of Hermosa
230 Main Street
Hermosa, SD 57744

RE: Staff Report – Digging & Grading Permit, Water & Sewer Extension, Marie Street,
Hermosa Hills – Permit Review,
Permit 2021-08
IE No.: L21-03-097.07

Planning & Zoning,

Conditions:

The applicant has submitted a Digging/Grading permit to install/extend the municipal water and sewer main on Marie Street. Generally located along the frontage of Lots 9-14. Water and sewer will be installed in platted right of way.

This installation will be completed in compliance with SDDENR approved subdivision plans and will complete the water and sewer main on Marie Street.

Per the application, water and sewer mains will be installed as well as water and sewer services to each lot will be installed. My understanding is that gravel surfacing will be included in this project.

This permit is not intended to verify the original requirements for street width and surfacing within the approved subdivision and is permitting only the installation of the water, sewer mains and service lines for both.

No right-of-way permit was submitted.

I recommend the western most terminal manhole be a thru manhole to allow for future extension of the sewer main without having to core the manhole.

The water main should have a 6 foot bury minimum – no profile has been provided in the plans.

This will complete infrastructure on Marie Street, as such, I recommend any required turn around, approved as part of the subdivision, be completed at this time.

Flood Plain:

Based on the flood map overlay, there is no identified special hazard area (floodplain) on this portion of Marie Street.

Professionals you need, people you trust.

P.O. Box 226 • 123 East Jackson Blvd., Ste. 1 • Spearfish, SD 57783-0226 • P: 605-642-4772 • F: 605-642-4773 • www.interstateeng.com

Offices in: North Dakota • Montana • Minnesota • South Dakota

Page 1 of 3



Zoning:

Not applicable.

Water and Sewer service:

Both services will be installed to Lots 9-14 with this permit. It shall be the responsibility of the applicant/contractor to establish and stub services to the proposed lots to be serviced by this main extension. The contractor shall set appropriate service lines grades.

As built drawings should be submitted showing locations of each service line measured from a fixed point (such as fire hydrant or manhole).

It is the contractor's responsibility to locate the service lines in location and depth to service future homes. There are no service locations shown on the approved plans submitted with the application.

Setbacks:

Not applicable

Access:

Not applicable

Recommendations permit 2021-08:

Based on the application information, the permit complies with Town of Hermosa's requirements. Recommendation is to approve with the following stipulations:

1. All construction needs to comply with approved SDDENR plans as the submitted plans are too small to read. Gail is planning to scan the full-size set.
2. Recommend the western most terminal manhole be a thru manhole to allow for future extension of the sewer main without having to core the manhole.
3. The water main should have a 6 foot bury minimum – no profile has been provided in the plans.
4. Marie Street needs to be constructed to the approved requirements to include surfacing.
5. Recommend any required turn around, approved as part of the subdivision, be completed at this time.
6. Any disturbed areas, not receiving surfacing, shall be seeded.
7. Recommend right-of-way permit be waived as this is an extension of town infrastructure and was not required on the last extension on Marie Street.
8. As built plans must be submitted to the Town with service locations identified from a fixed point such as manhole or fire hydrant.
9. Street elevations should match approved plans.
10. Contractors must be licensed in Hermosa and carry required insurance.
11. All construction must meet applicable code requirements as well as Town Ordinance requirements.

Professionals you need, people you trust.

P.O. Box 226 • 123 East Jackson Blvd., Ste. 1 • Spearfish, SD 57783-0226 • P: 605-642-4772 • F: 605-642-4773 • www.interstateeng.com

Offices in: North Dakota • Montana • Minnesota • South Dakota

Page 2 of 3



12. All fees to be paid prior to issuing permit.
13. Applicable inspections must be performed by the Town of Hermosa

Respectfully submitted,
INTERSTATE ENGINEERING

A handwritten signature in black ink that reads 'Ronald A. Bengs'.

Ronald Bengs, P.E.
Senior Project Engineer
Ron.Bengs@interstateeng.com

Professionals you need, people you trust.

P.O. Box 226 • 123 East Jackson Blvd., Ste. 1 • Spearfish, SD 57783-0226 • P: 605-642-4772 • F: 605-642-4773 • www.interstateeng.com

Offices in: North Dakota • Montana • Minnesota • South Dakota

Town of Hermosa

PO Box 298 • 230 Main Street • Hermosa, SD 57744
 Phone (605) 255-4291 • Fax (605) 255-4094
 Email: town@hermsoasd.com

*For water & Sewer
 Install only.
 No Road Requirements*

DATE 4/6/2021

DIGGING/GRADING PERMIT

PERMIT # 2021-08

Receipt #	Cash	Check # <u>1888</u>	Amount <u>35.00</u>
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All provisions of the Laws and Ordinances of the Town of Hermosa and the State of South Dakota governing the type of work being done and will be complied with, whether specified herein or not.

The granting of a permit does not presume to give authority to violate, cancel, or set aside any of the provisions of the building code, zoning ordinances, or any other local law or ordinance regulating construction or the performance of construction in the Town of Hermosa.

Sketch and/or describe work: (use separate sheet, or attach grading plan)

Will grading operation be located in the floodplain?	Yes	<input checked="" type="checkbox"/>	No
If yes, have ordinance requirements been met?	Yes	<input type="checkbox"/>	No
Will drainage patterns be altered?	Yes	<input checked="" type="checkbox"/>	No
Will grading operation take place in a geologically hazardous area?	Yes	<input checked="" type="checkbox"/>	No
If yes, have proper precautions been taken?	Yes	<input type="checkbox"/>	No

Quantity of Grading or Excavation: 500 Cubic Yards Area to be disturbed by proposed work: .25 acres

Identify types of erosion control to be applied: _____

Source/Destination of materials: _____

Provide traffic control per Manual on Uniform Traffic Control Devices.

Hard route: _____

Buildings constructed on fill will be required to have foundations designated by a professional engineer, per SDCL 36-18 and the current building codes adopted by the Town of Hermosa.

A stormwater discharge permit from the South Dakota DENR (605-773-3351) may be required if the work under this application or the overall plan of development will result in the disturbance of over 1 acre of land.

Stormwater permit application attached? Yes No N/A *Not Required*

This permit will expire one year from date of issuance.

The Finance Officer will be notified upon start of work and completion of work for inspection purposes (255-4291).

Name Trent Pulis - Pulis Construction
 Lot Address Lot 9-14 Sprinkler and Water Main Extension and service
 Mailing Address _____
 Email Complete as per DENR approved plans.

Legal Description _____
 Telephone # 390-7533 Cellphone # _____

Relationship to Property: Owner Contractor Owners Representative

I certify that I have read and understand and agree to all terms and conditions set forth herein this entire document. I specifically understand that by signing this document I am agreeing to be jointly and severally responsible, personally, and for any and all work done under this permit.

Signature Trent O. Pulis Date _____

015178
 015179
 015180
 015181

Parcel # 015182
 015183
 OFFICE USE ONLY

<p>PLANNING AND ZONING COMMISSION</p> <p><input type="checkbox"/> Approved <input type="checkbox"/> Denied</p> <p>NAME: _____</p> <p>TITLE: _____</p> <p>SIGNATURE: _____</p> <p>DATE: _____</p> <p>APPLICATION FEE: \$35.00 DATE PAID: _____</p>	<p>HERMOSA BOARD OF TRUSTEES</p> <p><input type="checkbox"/> Approved <input type="checkbox"/> Denied</p> <p>NAME: _____</p> <p>TITLE: _____</p> <p>SIGNATURE: _____</p> <p>DATE: _____</p> <p>DATE PERMIT ISSUED: _____</p>
---	--

*Soil has full size
diene upward, sealed by
PE.*

CNSE 1/64

TOWN LIMITS

LOT S2

LOT 70

TEMPORARY TURN
AROUND EASEMENT

BURIED PIPE LINE EASEMENT
ONE ROAD WIDE CENTERED ON PIPE LINE

10+00
INSTALL 6"x6"x6" TEE & 18 L.F. OF
6" PVC WATER MAIN (C-900)
10+00 18' RIGHT
INSTALL FIRE HYDRANT & AUX VALVE
W/VALVE BOX

10+03
INSTALL 6" GATE VALVE
W/VALVE BOX

10+00 TO 11+25
INSTALL 125 L.F. OF 6" PVC
WATER MAIN (C-900)

LOT 8

5+00 TO 18+00
INSTALL 500 L.F. OF 6" PVC
WATER MAIN (C-900)

LOT 9

11+25
CAP FOR FUTURE EXPANSION
GOING WEST

6" PVC WATER MAIN

W

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W

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PRO

*Then make
for future?*

LOT 15

LOT 14

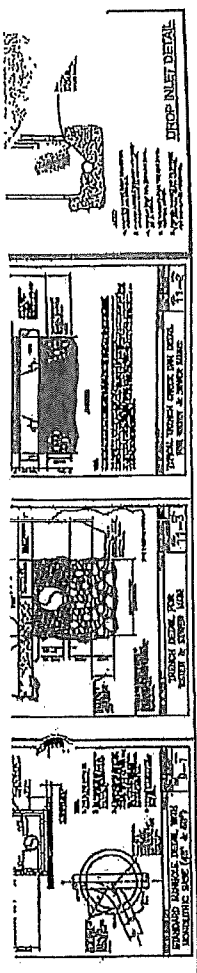
LOT 13

LOT 12

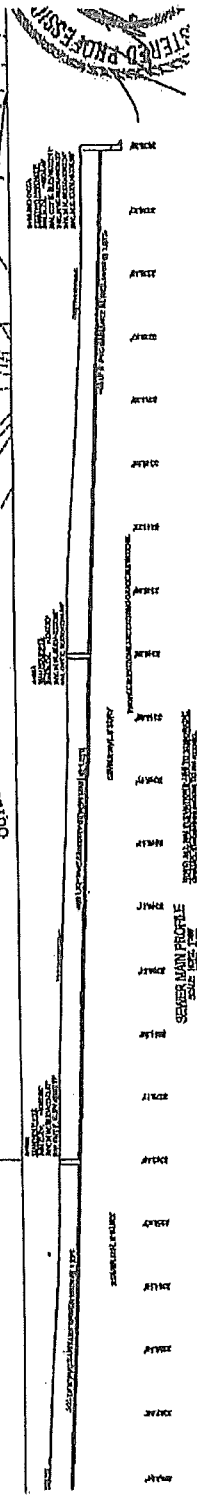
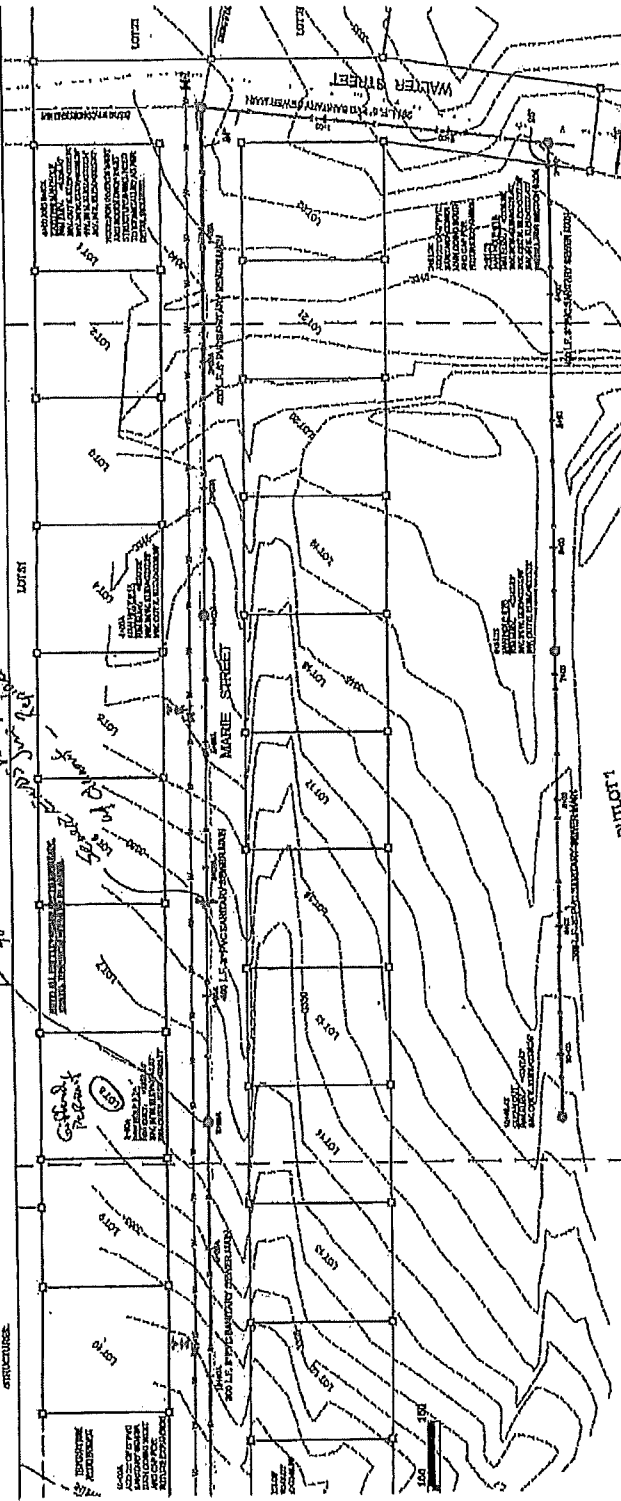
LOT 11

OUTLOT 1

No Service Center's Area



GENERAL AND TECHNICAL SPECIFICATIONS:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE SEWER SYSTEM TO BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS SET FORTH IN THE CITY ENGINEERING DEPARTMENT'S STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION WORK.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY ENGINEERING DEPARTMENT AND THE LOCAL HEALTH DEPARTMENT.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND LANDSCAPING.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING CURBS AND SIDEWALKS.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING DRIVEWAYS AND PATHS.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND LANDSCAPING.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING CURBS AND SIDEWALKS.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING DRIVEWAYS AND PATHS.



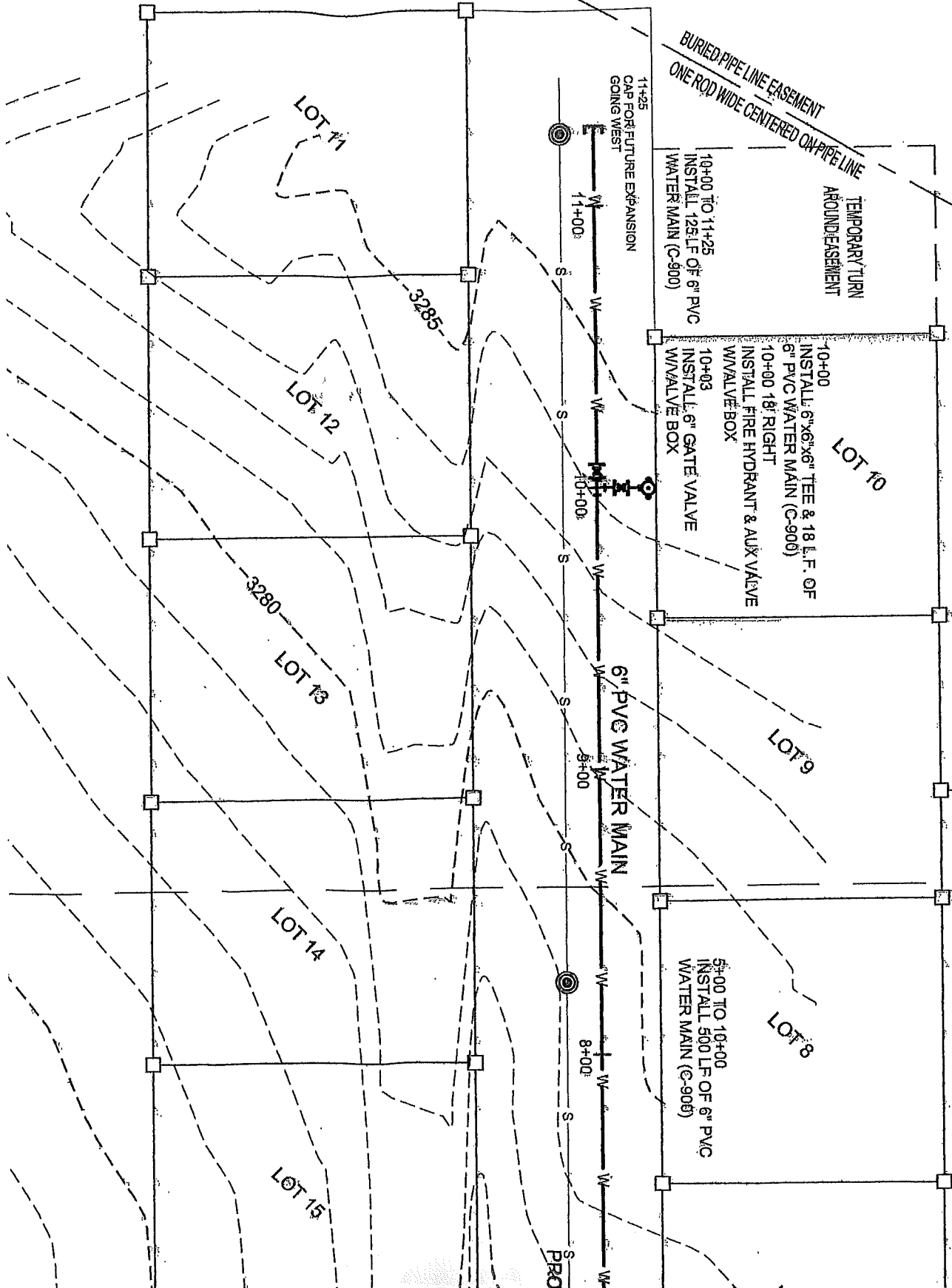
SEWER MAN PROFILE
 SCALE: 1" = 10'
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND LANDSCAPING.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING CURBS AND SIDEWALKS.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING DRIVEWAYS AND PATHS.

SEWER

THOMAS P. REEDER Plans



OUTLOT 1



Town of Hermosa

100

PO Box 298 • 230 Main Street • Hermosa, SD 57744
Phone (605) 255-4291 • Fax (605) 255-4094
Email: town@hermosasd.com

DATE 6 April 2021

PERMIT # 2021-09

Receipt # _____	Cash _____	Check # _____	Amount <u>N/A</u>
-----------------	------------	---------------	-------------------

** PLEASE INCLUDE TO-SCALE DRAWINGS **

APPLICATION CONDITIONAL USE PERMIT

Applicant BRETT & AMBER THOMASON

Physical Address 267 MAIN STREET

Mailing Address P.O. BOX ~~298~~ 291

Email foleyamb@yahoo.com

Daytime Phone (478) 960-0365 Evening Phone (478) 960-0429

Owner of Property (if different from applicant) _____

Owner Address _____

Permitted conditional use Requested:
BEE HIVE

Legal Description _____

Length of Time Permit is requested (6 MONTH MAXIMUM)

APPLICATION MUST BE APPROVED BY THE HERMOSA PLANNING AND ZONING COMMITTEE AND THE BOARD OF TRUSTEES PRIOR TO START OF PROJECT.

By signing below, I acknowledge that I have read and understand all requirements for a Permitted Conditional Use Permit.

Brett Thomason
Signature of Applicant

6 April 2021
Date

P & Z COMMITTEE

Name: _____

Title: _____

Signature: Jean Harris

Date: _____

BOARD OF TRUSTEES

Name: _____

Title: _____

Signature: _____

Date: _____

Application Fee: _____ Date Paid: _____ Issue Picked Up: _____

"In accordance with Federal law and U.S. Department of Agriculture policy, this institution is prohibited from discriminating on the basis of race, color, national origin, age, disability, religion, sex, and familial status. (Not all prohibited bases apply to all programs.) To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD)."

Parcel # 009189
OFFICE USE ONLY

Date Received _____
Date Issued _____

2021-2022

License No. RB-25133 12E

Uniform Alcoholic Beverage License Application

A. Owner Name and Mailing Address

DANIEL C MARTIN
~~2910 MOTHERLODE DR~~ 13826 Box Canyon Rd
~~RAPID CITY, SD 57702-9799~~ Hermosa, SD 57744

B. Business Name and Address

Lic # RB-25133
POP'S GROCERY
30 N FERGUSON ST
HERMOSA, SD 57744

Owner's Telephone #: ~~(605) 255-5515~~ 605-216-8607

Business Telephone #: (605) 255-5977

C. Indicate the class of license being applied for (submit separate application for each class of license).

- Retail (on-sale) Liquor
- Retail (on-sale) Liquor - Restaurant
- Convention Center (on-sale) Liquor
- Package (off-sale) Liquor
- Retail (on-off sale) Wine and Cider
- Retail (on-off sale) Malt Beverage & SD Farm Wine
- Package Delivery
- Hunting Preserve
- Other _____

Place of business is located in a municipality? Yes [] No

County: CUSTER

Do you own or lease [] this property? (Check one)

Are real property taxes paid to date? Yes [] No

D. Legal description of licensed premise:

Lot 1 of G:G Subdivision

Is this License in active use? Yes [] No

Have you ever been convicted of a felony? [] Yes No

Do you or any officers, directors, partners, or stockholders hold any other alcohol retail, manufacturing, or wholesaler licenses?
[] Yes No If Yes, please list on the back page

E. State Sales Tax Number: 1014-0255-ST

F. New license? _____ Transfer? (\$150) _____ Re-issuance?

G. CERTIFICATE The undersigned applicant certifies under the penalties of perjury that all statements herein are true and correct; that the said applicant complies with all of the statutory requirements for the class of license being applied for and in addition agrees to permit agents of the Department of Revenue access to the licensed premises and records as provided in SDCL 35-2-2.1, and agrees this application shall constitute a contract between applicant and the State of South Dakota entitling the same or any peace officers to inspect the premises, books and records at any time for the purpose of enforcing the provisions of Title 35 SDCL, as amended.

Date 3-29-21 Print Name DANIEL C MARTIN Signature: Daniel C Martin

H. APPROVAL OF LOCAL GOVERNING BODY- Notice of hearing was published _____ . Public hearing on the application was held _____, not less than SEVEN (7) days after official publication. The governing body by majority vote recommends the approval and granting of this license and certifies that requirements as to location and suitability of premises and applicant have been reviewed and conform to the requirements of local and South Dakota law.

Renewal - no public hearing held
Amount of fee collected with application \$ 300.00
Amount of fee retained \$ 150.00
Forwarded with application \$ 150.00

For Local Government Use

Transferred (State Use)

(Seal) _____
Mayor or Chairman

From _____
Sales tax approval _____ Date _____

If disapproved, endorse reason thereon and return to applicant STATE LIQUOR AUTHORITY: APPROVAL _____ REVIEW _____

Date Received _____
Date Issued _____

2021-2022

License No. RB-2776

Uniform Alcoholic Beverage License Application

A. Owner Name and Mailing Address

M G OIL COMPANY
PO BOX 1006
RAPID CITY, SD 57709

B. Business Name and Address

Lic # RB-2776
CORNER PANTRY TRAVEL CENTER
25 N HEARTLAND EXP #101
HERMOSA, SD 57744

Owner's Telephone#: (605) 342-0527

Business Telephone #: 605-255-4555

C. Indicate the class of license being applied for (submit separate application for each class of license).

- Retail (on-sale) Liquor
- Retail (on-sale) Liquor - Restaurant
- Convention Center (on-sale) Liquor
- Package (off-sale) Liquor
- Retail (on-off sale) Wine and Cider
- Retail (on-off sale) Malt Beverage & SD Farm Wine
- Package Delivery
- Hunting Preserve
- Other _____

Place of business is located in a municipality? Yes [] No

County: Custer

Do you own or lease [] this property? (Check one)

Are real property taxes paid to date? Yes [] No

D. Legal description of licensed premise:

Out lot M of J&B Subdivision Section 30, T2, R8, Custer County, South Dakota

Is this License in active use? Yes [] No

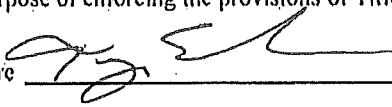
Have you ever been convicted of a felony? Yes No

Do you or any officers, directors, partners, or stockholders hold any other alcohol retail, manufacturing, or wholesaler licenses? Yes [] No If Yes, please list on the back page

E. State Sales Tax Number: 1014-8577-ST

F. New license? _____ Transfer? (\$150) _____ Re-issuance?

G. CERTIFICATE The undersigned applicant certifies under the penalties of perjury that all statements herein are true and correct; that the said applicant complies with all of the statutory requirements for the class of license being applied for and in addition agrees to permit agents of the Department of Revenue access to the licensed premises and records as provided in SDCL 35-2-2.1, and agrees this application shall constitute a contract between applicant and the State of South Dakota entitling the same or any peace officers to inspect the premises, books and records at any time for the purpose of enforcing the provisions of Title 35 SDCL, as amended.

Date March 30, 2021 Print Name Troy Erickson Signature 

H. APPROVAL OF LOCAL GOVERNING BODY- Notice of hearing was published _____ . Public hearing on the application was held _____, not less than SEVEN (7) days after official publication. The governing body by majority vote recommends the approval and granting of this license and certifies that requirements as to location and suitability of premises and applicant have been reviewed and conform to the requirements of local and South Dakota law.

Renewal - no public hearing held
Amount of fee collected with application \$ _____
Amount of fee retained \$ _____
Forwarded with application \$ _____

For Local Government Use

Transferred (State Use)

(Seal) _____
Mayor or Chairman

From _____
Sales tax approval _____ Date _____

If disapproved, endorse reason thereon and return to applicant STATE LIQUOR AUTHORITY APPROVAL _____ REVIEW _____

Please complete reverse side

**Company supplement information
(For corporate/partnership/LP/LLC applicants)**

Name of corporation/partnership/LP/LLC MG Oil Company

Address of office and principal place of business of corporation/partnership/LP/LLC 1180 Creek Dr., Rapid City, SD 57703

Are all managing officers of this corporation/partnership/LP/LLC of good moral character having never been convicted of a felony? Yes No

Name, title of office, occupation and address of each of the officers/owners of the corporation, partnership, LP, or LLC:

Name	Office	Address	Occupation
Marlyn Erickson	Treasurer	PO Box 1006, Rapid City, SD 57709	Oil Jobber
Troy Erickson	President	PO Box 1006, Rapid City, SD 57709	Oil Jobber

Name of any officers, directors, partners or stockholders of applicant having a financial interest or capital stock in any other alcoholic beverage license:

Name	Type of License, License Number, Financial Interest Held, and Address of Business Location
See Attached	

Where and with whom are all company records kept, such as charter, by-laws, minutes, accounts, notes payable, and notes and accounts receivable, etc?

Attorney - Jess Pekarski, 704 St Joseph Street, Rapid City, SD 57701

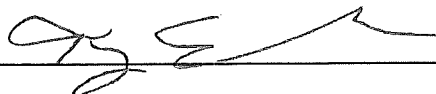
With signature the applicant agrees to the following:

That the applicant company will comply with all provisions of ARSD chapter No. 64:75:02 of the Department of Revenue, relating to the transfer of stock and prior approval of the transfer of such stock by the Secretary of Revenue and violation of any of the provisions of said regulation or failure to comply therewith, whether by the undersigned corporation, partnership/LP/LLC or by any stockholder thereof, or by anyone interested in said company, shall constitute cause for revocation or suspension of any license issued pursuant to and in reliance on this application, or for refusal to renew such license upon expiration thereof.

We the undersigned officers and directors of the applicant company acknowledge that the within supplement application form is true and correct in every respect and that there exists no financial arrangement concerning this or any other alcoholic beverage license than that expressly set forth above. If company stock is to be transferred we ask for approval of such voluntary stock transfer.

Signature of Authorized Officer/Director/Partner

Date



March 30, 2021

ATTACHMENT TO:
UNIFORM ALCOHOLIC BEVERAGE LICENSE APPLICATION

Name of any officers, directors or stockholders of applicant Corporation having a financial interest or capital stock in any other retail, liquor outlet:

MG OIL COMPANY
Marlyn G. Erickson & Troy M. Erickson

Loc #	Location Name	Location Address	Type of License	License Nun	Owner
4	Corner Pantry #4	Rapid City, SD	Package off sales Malt Beverage	RB-25630	MG Oil
5	Corner Pantry #5	Rapid City, SD	Package off sales Malt Beverage	RB-25627	MG Oil
6	Corner Pantry #6	Sturgis, SD	Package (off-sale) Malt Beverage &	BW-19560	MG Oil
8	Corner Pantry #8	Rapid City, SD	Package off Sale Malt Beverage	RB-25629	MG Oil
9	Corner Pantry #9	Rapid City, SD	Package off Sale Malt Beverage	RB-25626	MG Oil
10	Corner Pantry #10	Rapid City, SD	Package off Sale Malt Beverage	RB-25625	MG Oil
11	Corner Pantry #11	Hot Springs, SD	Retail (on-off) Malt Beverage	RB-22547	MG Oil
11	Corner Pantry #11	Hot Springs, SD	Retail (on-off) Malt Beverage	RB-25225	MG Oil
12	Corner Pantry #12	Custer, SD	Retail (on-off) Malt Beverage	RB-3616	MG Oil
12	Corner Pantry #12	Custer, SD	Retail (on-off) Malt Beverage	RB-27312	MG Oil
13	Corner Pantry #13	Rapid City, SD	Package off Sale Malt Beverage	RB-25624	MG Oil
14	Corner Pantry Deadwood Ave #14	Rapid City, SD	Package off Sale Malt Beverage	RB-25623	MG Oil
16	Corner Pantry Moon Meadows #16	Rapid City, SD	Package off Sale Malt Beverage	RB-25295	MG Oil
18	Corner Pantry Lacrosse #18	Rapid City, SD	Package off Sale Malt Beverage	RB-25628	MG Oil
20	Homestead Casino	Phillip, SD	Retail (on-off) Malt Beverage	RB-24841	MG Oil
20	Corner Pantry #20	Phillip, SD	Retail (on-off) Malt Beverage	RB-3661	MG Oil
21	Corner Pantry #21	Rapid City, SD	Retail (on-off) Malt Beverage	RB-24086	MG Oil
21	Corner Pantry #21 B	Rapid City, SD	Retail (on-off) Malt Beverage	RB-25294	MG Oil
22	Metro City Corner Pantry #22	Ft. Pierre, SD	Retail (on-off) Malt Beverage	RB-2555	MG Oil
23	Corner Pantry #23	Sioux Falls, SD	Retail (on-off) Malt Beverage	applied for	MG Oil
24	Corner Pantry #24	Brookings, SD	Retail (on-off) Malt Beverage	RB-19483	MG Oil
25	Corner Pantry #25	Huron, SD	Retail (on-off) Malt Beverage	RB-2589	MG Oil
26	Corner Pantry #26	Huron, SD	Retail (on-off) Malt Beverage	RB-2730	MG Oil
27	Corner Pantry #27	Huron, SD	Retail (on-off) Malt Beverage	RB-2140	MG Oil
29	Corner Pantry #29	Huron, SD	Retail (on-off) Malt Beverage	RB-18935	MG Oil
29	Corner Pantry #29B	Huron, SD	Retail (on-off) Malt Beverage	RB-23334	MG Oil
30	Corner Pantry Casino #30	Huron, SD	Retail (on-off) Malt Beverage	RB-20010	MG Oil
30	Corner Pantry #30	Huron, SD	Retail (on-off) Malt Beverage	RB-2732	MG Oil
42	Lucky Lady Casino	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-2669	MG Oil
42	Lucky Lady Casino 2	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-27176	MG Oil
45	The Park	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2964	MG Oil
45	The Park 2	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2986	MG Oil
46	Market Square II	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2604	MG Oil
46	Market Square	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3027	MG Oil
52	Flying J Travel Plaza	Box Elder, SD	Retail (on-off) Malt Beverage	RB-2977	MG Oil
53	Truck Stop Lounge	Box Elder, SD	Retail (on-off) Malt Beverage	RB-2743	MG Oil
54	Flying J Hermosa / Town of Hermosa	Hermosa, SD	Retail (on-off) Malt Beverage	RB-2776	MG Oil
57	Mint Casino	Sioux Falls, SD	Retail (on-off) Malt Beverage		MG Oil
57	Mint Casino - 2	Sioux Falls, SD	Retail (on-off) Malt Beverage		MG Oil
58	Lucky Strike Casino	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-3473	MG Oil
60	Happy Jacks Sioux Falls II	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-21995	MG Oil
60	Happy Jacks Sioux Falls II - B	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-26718	MG Oil
61	LaCrosse Street Casino #1	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2797	MG Oil
61	LaCrosse Street Casino #2	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3011	MG Oil
61	Lacrosse Street Casino #3	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3114	MG Oil
63	Rushmore Casino III	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2342	MG Oil
63	Rushmore Casino	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2952	MG Oil
63	Rushmore Casino II	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3015	MG Oil
64	BP Casino II	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2966	MG Oil
64	BP Casino	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3012	MG Oil
65	Uncle Sam's West	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2275	MG Oil
65	Sam's #2	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3039	MG Oil
67	Uncle Sam's South Too	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2987	MG Oil
67	Uncle Sam's South	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3004	MG Oil
67	Uncle Sam's South 3	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2946	MG Oil
68	Chance's Casino	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2967	MG Oil
68	Chance's Casino Too	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3590	MG Oil
68	Chances Casino 3	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3037	MG Oil
68	Chances Casino 4	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3208	MG Oil
68	Chances Casino 5	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3005	MG Oil
69	Jokerz 7	Tea, SD	Retail (on-off) Malt Beverage	RB-21591	MG Oil
69	Jokerz 7	Tea, SD	Retail (on-off) Malt Beverage	RB-2528	MG Oil
	777 Casino A	Sioux Falls, SD	Retail (on-off) Malt Beverage,	applied for	MG Oil

ATTACHMENT TO:
UNIFORM ALCOHOLIC BEVERAGE LICENSE APPLICATION

Name of any officers, directors or stockholders of applicant Corporation having a financial interest or capital stock in any other retail, liquor outlet:

MG OIL COMPANY
Marlyn G. Erickson & Troy M. Erickson

Loc #	Location Name	Location Address	Type of License	License Nun	Owner
	777 Casino B	Sioux Falls, SD	Retail (on-off) Malt Beverage	applied for	MG Oil
	777 Casino C	Sioux Falls, SD	Retail (on-off) Malt Beverage	applied for	MG Oil
74	Dakota Star Casino	Brandon, SD	Retail (on-off) Malt Beverage	RB-26575	MG Oil
74	Dakota Star Casino - 2	Brandon, SD	Retail (on-off) Malt Beverage	RB-3612	MG Oil
75	Jokerz Casino	Brandon, SD	Retail (on-off) Malt Beverage	RB-3167	MG Oil
76	Jokerz Too	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-23116	MG Oil
77	Jokerz 3	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-2751	MG Oil
78	Jokerz 4	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-3119	MG Oil
78	Jokerz 5	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-24624	MG Oil
78	Jokerz 6	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-24623	MG Oil
80	Happy Jacks of Pierre #3	Pierre, SD	Retail (on-off) Malt Beverage	RB-22511	MG Oil
80	Happy Jacks of Pierre #2	Pierre, SD	Retail (on-off) Malt Beverage	RB-22518	MG Oil
80	Happy Jacks of Pierre #1	Pierre, SD	Retail (on-off) Malt Beverage	RB-3449	MG Oil
81	Happy Jacks East	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3006	MG Oil
81	Happy Jacks Too	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3657	MG Oil
84	Happy Jacks I-90	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2996	MG Oil
85	Happy Jacks Summerset 2	Summerset, SD	Retail (on-off) Malt Beverage	RB-18919	MG Oil
85	Happy Jacks Summerset	Summerset, SD	Retail (on-off) Malt Beverage	RB-2318	MG Oil
86	Happy Jacks Omaha	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3810	MG Oil
89	Happy Jacks Sioux Falls	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-3379	MG Oil
90	Happy Jacks 5	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-3116	MG Oil
91	Happy Jacks Sioux Falls III	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-3385	MG Oil
92	Happy Jacks Sioux Falls IV	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-26636	MG Oil
92	Happy Jacks Sioux Falls IV - B	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-26719	MG Oil
93	Toby's Casino North II	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3044	MG Oil
93	Toby's Casino North I	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3219	MG Oil
94	Toby's Casino South Too	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3538	MG Oil
94	Toby's Casino South	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3593	MG Oil
97	Jokers Casino South	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2808	MG Oil
97	Jokers Casino South II	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3508	MG Oil
98	Jackpot Casino Too #2	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2343	MG Oil
98	Jackpot Casino Too #3	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2969	MG Oil
98	Jackpot Casino Too	Rapid City, SD	Retail (on-off) Malt Beverage	RB-2995	MG Oil
99	Valley Square Casino	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3594	MG Oil
99	Valley Square Sports Pub	Rapid City, SD	Retail (on-off) Malt Beverage	RB-3599	MG Oil
605	Village Bowl 5	Mitchell, SD	Retail (on-off) Malt Beverage	RB-23601	MG Oil
605	Village Bowl 2	Mitchell, SD	Retail (on-off) Malt Beverage	RB-2828	MG Oil
605	Village Bowl 4	Mitchell, SD	Retail (on-off) Malt Beverage	RB-2844	MG Oil
606	Alpine Sports Bar & Casino 2	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-26751	MG Oil
607	The Lanes - B	Brookings, SD	Retail (on-off) Malt Beverage	RB-27244	MG Oil
607	The Lanes - C	Brookings, SD	Retail (on-off) Malt Beverage	RB-27245	MG Oil
	777 777 Casino	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-26483	MG Oil
	777 777 Casino - 2	Sioux Falls, SD	Retail (on-off) Malt Beverage	RB-27199	MG Oil
	18 Corner Pantry Lacrosse #18	Rapid City, SD	Package (off-sale) Liquor	PL-4443	MG Oil
	20 Corner Pantry #20	Phillip, SD	Package (off-sale) Liquor	PL-4742	MG Oil
	21 Corner Pantry #21	Rapid City, SD	Retail (on-off Sale) Wine	RW-19127	MG Oil
	22 Metro City Corner Pantry #22	Ft. Pierre, SD	Package (off-sale) Liquor	PL-4566	MG Oil
	23 Corner Pantry 23	Sioux Falls, SD	Package (off-sale) Liquor	PL-4835	MG Oil
	29 Corner Pantry #29	Huron, SD	Package (off-sale) Liquor	PL-4613	MG Oil
	30 Corner Pantry #30	Huron, SD	Retail (on-off Sale) Wine	RW-19267	MG Oil
	43 Hop Scotch	Ft. Pierre, SD	Retail (on-sale) Liquor	RL-5591	MG Oil
	45 The Park	Rapid City, SD	Retail (on-sale) Liquor	RL-5869	MG Oil
	45 The Park 3	Rapid City, SD	Retail (on-sale) Liquor	RL-5870	MG Oil
	45 The Park 2	Rapid City, SD	Retail (on-sale) Liquor	RL-6329	MG Oil
	53 Truck Stop Lounge	Box Elder, SD	Retail (on-sale) Liquor	RL-5383	MG Oil
	54 Flying J Hermosa / Town of Hermosa	Hermosa, SD	Package (off-sale) Liquor	PL-4469	MG Oil
	55 Hermosa Deli and Lounge / Hermosa	Hermosa, SD	Retail (on-sale) Liquor Sunday Sale	RL-5208	MG Oil
	56 J Bar - Truck Stop Lounge North	Box Elder, SD	Retail (on-sale) Liquor	RL-5462	MG Oil
	69 Jokerz 7	Tea, SD	Retail (on & Off) Sale Wine	RW-19954	MG Oil
	74 Dakota Star Casino - 2	Brandon, SD	Retail (on & Off) Sale Wine	RW-23526	MG Oil
	75 Jokerz Casino	Brandon, SD	Retail (on & Off) Sale Wine	RW-23527	MG Oil
	76 Jokerz Too	Sioux Falls, SD	Retail (on & Off) Sale Wine	RW-23141	MG Oil
	77 Jokerz 3	Sioux Falls, SD	Retail (on & Off) Sale Wine	RW-23215	MG Oil

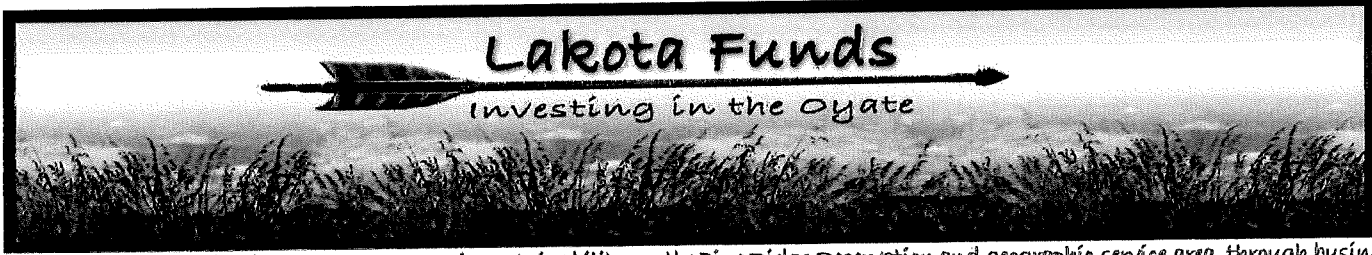
ATTACHMENT TO:
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Name of any officers, directors or stockholders of applicant Corporation having a financial interest or capital stock in any other retail, liquor outlet:

MG OIL COMPANY
Marlyn G. Erickson & Troy M. Erickson

Loc #	Location Name	Location Address	Type of License	License Nun	Owner
78	Jokerz 4	Sioux Falls, SD	Retail (on & Off) Sale Wine	RW-23114	MG Oil
80	Happy Jacks of Pierre #3	Pierre, SD	Retail (on & Off) Sale Wine	RW-22512	MG Oil
85	Happy Jacks Summerset 2	Summerset, SD	Retail (on-sale) Liquor	RL-5278	MG Oil
600	18th Amendment	Sioux Falls, SD	Retail (on-sale) Liquor	RL 5930	MG Oil
600	18th Amendment - 2	Sioux Falls, SD	Retail (on-sale) Liquor	RL 6131	MG Oil
602	Billy Frog's	Sioux Falls, SD	Retail (on-sale) Liquor	RL 5203	MG Oil
603	Lie-Brary	Sioux Falls, SD	Retail (on-sale) Liquor	RL 6174	MG Oil
603	Lie-Brary - 2	Sioux Falls, SD	Retail (on-sale) Liquor	RL-26641	MG Oil
604	Red Eye	Sioux Falls, SD	Retail (on-sale) Liquor	RL 5948	MG Oil
604	Grain Bin (Red Eye 2)	Sioux Falls, SD	Retail (on-sale) Liquor	RL-5938	MG Oil
605	Village Bowl 7	Mitchell, SD	Retail (on-sale) Liquor	RL-5759	MG Oil
605	Village Bowl	Mitchell, SD	Retail (on-sale) Liquor	RL-5766	MG Oil
605	Village Bowl 6	Mitchell, SD	Retail (on-sale) Liquor	RL-6380	MG Oil
605	Village Bowl 3	Mitchell, SD	Retail (on & Off) Sale Wine	RW-6464	MG Oil
606	Alpine Sports Bar & Casino	Sioux Falls, SD	Retail (on-sale) Liquor	RL-6168	MG Oil
607	The Lanes	Brookings, SD	Retail (on-sale) Liquor	RL-6262	MG Oil

12 F



Lakota Funds mission is to promote economic sustainability on the Pine Ridge Reservation and geographic service area, through business loans, technical assistance, and wealth building education for families and businesses.

March 31, 2021

Town of Hermosa,

Lakota Funds recently received a statement of Bill History for our Trails West Saloon property at 122 Vilas St, Hermosa, SD 57744. The amount due for water, sewer and service is \$2326.50, even though the building has been vacant since January 2018. The water was turned off in February 2018. We have never received a bill for the amounts due, or could have paid them, just as we have the electricity.

I understand that until last year, that base fees were due, even when the water had been turned off. We are very willing to pay the base charges, but would really appreciate it if you would consider removing the late fees of \$510, since we were never notified of the amounts due, until our realtor Crystal Wiles shared the Bill History with us.

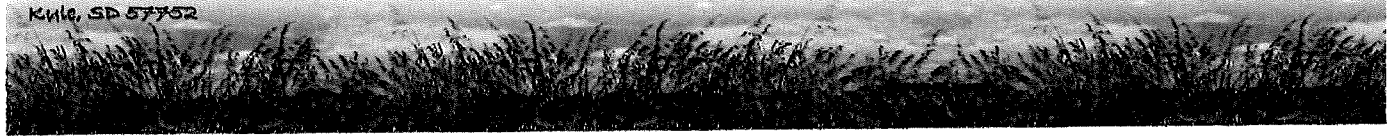
Thank you for your consideration,

Tawney Brunsch
 Executive Director
 Lakota Funds
 PO Box 340
 Kyle SD 57752
 605-455-2500

BIA 2, Lakota trade Center, Suite 201,
 Po Box 340
 Kyle, SD 57752

www.lakotafunds.org

Office: 605.455.2500
 Fax: 605.455.2585



Project # L19-03-097.04

Preliminary Engineering Report

For

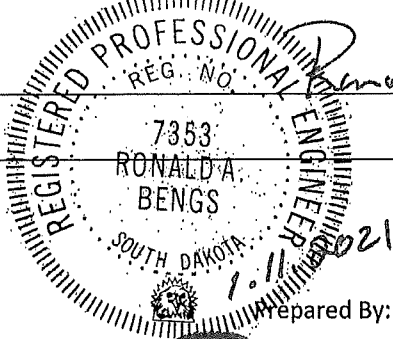
Town of Hermosa
Sanitary Sewer

January 11, 2021

Prepared For

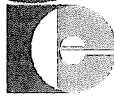
Hermosa, South Dakota

I HEREBY CERTIFY that this Preliminary Engineering Report was prepared by me or under my direct supervision and that I am a duly Registered Engineer under the laws of the State of South Dakota.



 Date _____ Reg No. SD 7353

 Prepared By: Ronald Bengs



**INTERSTATE
ENGINEERING**

PO Box 226
Spearfish, SD 57783-0226

Professionals you need, people you trust.

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**Town of Hermosa
Sanitary Sewer
Preliminary Engineering Report (PER)
Hermosa, South Dakota**

1. PROJECT PLANNING

a. Location

Hermosa is located approximately eighteen (18) miles south of Rapid City, South Dakota on SD Highway 79 in Custer County. Figure 1 below represents a proximity map of the Town.

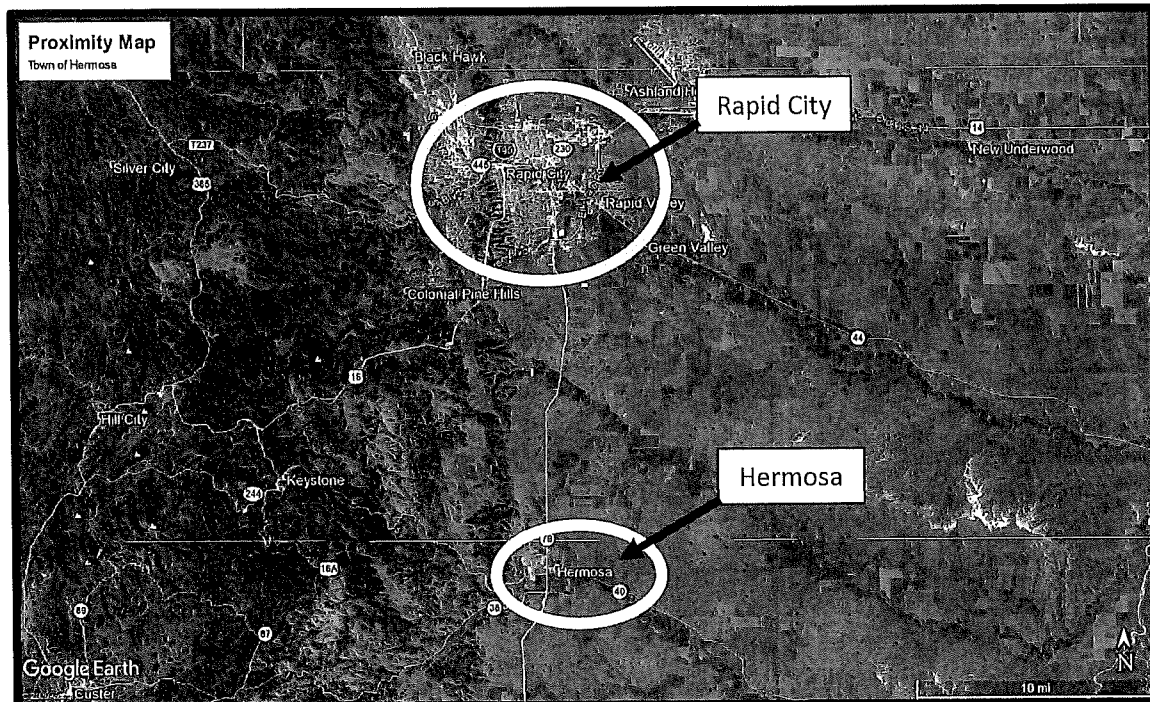


Figure 1: Proximity Map

The Town is located just east of the Black Hills foothills and just east off of SD Highway 79. The Town limits are 0.48 square miles. See [Appendix A](#) for a Town Map.

b. Environmental Resources Present

i. Environmental Information

An Environmental Review will need to be completed for the projected construction project. The reviewing agencies are provided in [Appendix B](#).

ii. Historical and Archaeological Sites

A cultural resource survey will need to be conducted for the proposed project area. Lance Rom with Quality Services, 2416 Jackson Blvd., Rapid City, South Dakota is qualified to complete the cultural resource/archaeological survey.

iii. Floodplains and Wetlands

The major drainage basin near Hermosa is Battle Creek along the southern edge of the Town. Smaller basins are within the three (3) mile radius of the Town. Billover Creek is a small basin on the northeast side of Town that runs north and south. Old Dairy is another that is north of town that runs east and west. Portions of Hermosa are located in the identified flood plain as shown in Appendix C. This appendix shows the flood plain located within the corporate limits of Hermosa and Flood Hazard Boundary Map, Department of Housing and Urban Development, LOMR effective November 13, 2014, FEMA Community Map number 46033C0179F. FEMA FIRM Panel 4600180200 illustrates the flood plain boundary outside of the Town limits.

There are no known wetlands located within the project area. The absence of wetlands was determined by a visual inspection of the site for wetland vegetation and a review of NRCS soil survey information. The absence of wetlands should be verified in the preliminary design process, based on final project scope and location.

iv. Agricultural Lands

The Town of Hermosa is located in an area of primarily farm land. The farming practice in the area has traditionally been to turn the dirt over by plowing at the end of each year. Whatever ground cover that isn't agricultural is typically utilized as pasture land.

The area adjacent to the existing lagoon is farm land utilized to grow various agricultural crops which include various grains and hay crops.

v. Wild and Scenic Rivers

There are no rivers applicable to this category in the area.

vi. Fish and Wildlife Protection

Per Administrative Rule 74:51:01 and 74:51:03, at Battle Creek from SD Highway 79 to the Cheyenne River, the beneficial uses assigned are as follows:

- (6) Warm water marginal fish life propagation waters
- (8) Limited-contact recreation waters
- (9) Fish and wildlife propagation, recreation and stock watering waters
- (10) Irrigation waters

Billover Creek has no specific classification so per Administrative Rule 74:51:03:01 it is assigned the following uses:

- (9) Fish and wildlife propagation, recreation and stock watering waters
- (10) Irrigation waters

Old Dairy also has no specific classification so per Administrative Rule 74:51:03:01 it is assigned the following uses:

- (9) Fish and wildlife propagation, recreation and stock watering waters
- (10) Irrigation waters

c. Population Trends

Due to the close proximity of Hermosa to Rapid City and the Heartland Expressway corridor, there is a large potential for population growth as a "bedroom community" over the next twenty-year (20) period. Growth is expected in the residential sector as well as the commercial area. Recent increases in residential development and new commercial development such as Walnut Grove Trailer Park, Heartland Estates, Hermosa Hills, G & G Development, Shorbes, and Carriage Hills are being seen within the community. Also, an increase in the number of building permits issued is evidence that the community of Hermosa is on the beginning edge of a substantial growth period.

As the Town grows, annexation is expected and municipal sewer service will need to be extended to provide service to those areas. The 1990 census showed 242 people resided in Hermosa. In 2000, the Town grew to 315 residents, a 30% growth. From 2000 to 2010, the Town grew 26%, 315 to 398. The census data can be found in [Appendix D](#).

Based off of the number of utility accounts of 224, the Town's population can be expected to be 560 assuming 2.5 residents per household. That is an increase of 41%.

d. Community Engagement

A public hearing will need to be scheduled in 2021 following approval of the final report by the Town Board. The public hearing must include a presentation by the engineer that discusses the merits of the project, a discussion by the Town Finance Officer outlining any impact the project will have on the individual sewer system customers regarding rates and comments should be received from the public. In addition, the public should be given a two-week period to submit written comments regarding the project. Comments received at the meeting and from written responses will be acknowledged and addressed under a separate cover. A copy of the Notice of Public Hearing, list of attendees, the minutes of the public hearing and the affidavit of publication will be included in a later report.

2. EXISTING FACILITIES

a. Location Map

The Town of Hermosa currently has a sanitary collection system consisting of primarily eight-inch (8") concrete pipe with the newer installations being eight-inch (8") PVC pipe. [Appendix E](#) represents the existing sanitary sewer system and was completed in 2018.

The system begins in the Chapel Hills Subdivision, located west of SD Hwy 79 and flows southeast to the existing lagoons located east of Fairgrounds Place. The system extends north of Main Street (SD Hwy 40) to the ridge line running west of Highway 79 to east through town. This portion of the system flows south and east to the lagoons. There is a newer portion of the system on N 2nd and 3rd Street that flow north and east. The DM&E railroad splits the Town nearly in half. There is currently only one (1) railroad crossing of the sewer located at Manning Street.

The collection system currently has three (3) lift stations. The first is located at Fifth Street and Whitney Street, the second lift station is located on Ferguson Street just south of Manning Street near the Legion building, and the third is east of Town limits just north of Highway 40. The lift station on Fifth Street provides service primarily to residential homes located south of Manning Street in the area surrounding Fifth Street. The second lift station located on Ferguson Street was

installed to provide service to the entire Ferguson Subdivision. Phase One (1) of Heartland Estates, primarily the west thirty (30) lots, is now serviced by this lift station as well.

Phase One (1), Heartland Estates, located between Ferguson Street and Fairgrounds Place, south of Whitney Street has sewer infrastructure installed and construction of homes beginning. Construction plans for Phase Two (2) of Heartland Estates requires another lift station to be installed on Fairgrounds Place. This lift station has the potential to serve the residential homes along Fairgrounds Place.

Walnut Grove installed sewer infrastructure in the subdivision located north of Main Street and East of North Ferguson Street. A highway crossing was made at Main Street and Fairgrounds Place with the sewer main running south and connecting to the existing system near the southeast corner of the Custer County Fairgrounds and Fairgrounds Place. Walnut Grove is a gravity system. A sewer main to the terminal manhole located in the Northwest corner of Walnut Grove has also been extended west of Highway 79. The sewer system also extends farther north west of SD Hwy 79. The sewer reaches Hermosa Hills from an east-west sewer main that runs along the northern Town limits. Additional sewer lines have been added along N 3rd Street and N 2nd Street in the north portion of the central part of Town.

The existing lagoon system consists of three (3) cells. [Appendix F](#) represents a vicinity map of Hermosa to the existing lagoons location. [Appendix G](#) represents a schematic layout of the existing lagoons. The naming convention used in this report follows the effluent flow or clockwise from the primary cell. Cell #1 is the primary cell, Cell #2 is the largest cell and the secondary cell, and Cell #3 is the cell which can discharge to Battle Creek. Cell #3 was added in 1999 bringing the total area to approximately 2.9 acres of surface area.

The existing lagoons are located in the Southeast One-Quarter of the Northeast One-Quarter of Section 32, Township Two South, Range Eight East, BHM, Custer County, South Dakota known as Tract A. There are existing easements for the sewer line coming into the lagoons as well as the discharge line to Battle Creek.

There are currently residential homes located within the Town limits that have septic systems. These are primarily located near Whitney Street. Currently, there is no complete survey of this corridor to determine accurately how much of the area can be served by a gravity sewer system.

The residential homes adjacent to Fairgrounds Place are also on individual septic systems. These homes are located just outside of the current town limits. With the installation of the Walnut Grove sewer line along Fairgrounds Place, these homes are located within 400 feet of the municipal sewer system. This area should be connected to the municipal sewer system at the earliest time. The septic systems in this area have had problems and are showing signs of failure. The issue with connecting these homes is minimum grades in the sewer lines. The Walnut Grove main sewer line adjacent to Fairgrounds Place is at minimum depth and minimum grade and it will be nearly impossible to connect all of these homes to this sewer line without individual injector pumps within the homes. It will be vital as this area develops that any sewer infrastructure considers the entire area. This will require coordination between developers and the Town as development plans become more defined in each of the areas. There are three (3) homes adjacent to SD Hwy 40 that have connected to the municipal sewer main.

b. History

Lagoons #1 and #2 were constructed prior to 1999 as Cell #3 was added in 1999. The Walnut Grove infrastructure was constructed from 2001 to 2004. N 2nd Street and N 3rd Street and lines from Walnut Grove to west of Highway 79 in installed around 2006. The Hermosa Hills infrastructure was added within the last four (4) years.

c. Condition of Existing Facilities

Collection System

In a letter dated September 21, 1999, Renner and Sperlich provided options to serve residents on Whitney Street, Fairgrounds Place, Ferguson Subdivision, and the undeveloped land west of the lagoons which is now Heartland Estates. That letter recommended a lift station be installed on Fairgrounds Place at a depth to allow service to these areas. Since that letter, a lift station has been installed near Whitney Street and Ferguson Street to serve Ferguson Subdivision. A main trunk line has been installed on the west side of Fairgrounds Place to serve Walnut Grove Trailer Park, however, the depth of this line is not adequate to serve the majority of homes along Fairgrounds Place. The lift station does serve Phase One (1) of Heartland Estates. A copy of this correspondence has been included in Appendix H.

Some discussion has occurred regarding the ability to lower the existing lagoons in an effort to allow these areas to be served by a gravity collection system. The primary cell is currently operating at 5.5 feet. In accordance with SD DENR's *Recommended Design Criteria for Wastewater Stabilization and Pollution Control Ponds*, Chapter IV, the maximum operating depth of five-feet (5') in the primary cell, six-feet (6') in the secondary cell, and eight-feet (8') in all subsequent cells. The 180-day storage must be provided above the two-foot (2') level. This alternative will be considered in a latter section of this report.

Copies of the sewer television reports have been included in Appendix I. A discussion with the Town Board and superintendent revealed several locations for needed replacement that included the following:

- 4" clay pipe with 8" PVC in the east-west alley between N. 3rd St. and N. 2nd St. north of E. Main Street.
- 8" concrete pipe with 8" PVC in the north-south alley between N. 3rd St. and N. 2nd St. north of E. Main Street.
- 4" PVC with 8" PVC at the intersection of 4th St. and Manning St.
- Remove five (5) homes east of Fairgrounds Place off of existing septic systems and place on the City sewer. An 8" PVC main runs north-south on Fairgrounds Place that the homes will connect too.

Appendix J outlines the areas that need improvement.

Collection system maintenance should include:

- A cleaning schedule of the collection system.
- Pump calibration schedule for lift stations.
- Replacement plan as bad sewer main sections are identified.

Treatment System

The Town did sludge removal in conjunction with the construction of Cell #2 completed in 1999. The sludge levels were checked when the Pond Doctor was installed in 2002. Staff indicates the sludge level has remained at approximately one foot since installation of the Pond Doctor, however, levels have not been checked this year. Rubble concrete has been placed on the south bank of Cell #2 to reduce erosion. Broken concrete has been broken up and placed as rip rap on the south bank. Town maintenance staff normally coordinates a burn at the lagoon each year with the Hermosa Volunteer Fire Department for weed control. The Town has also sprayed and routinely cut the weeds around the lagoons.

Cell #1 is approximately 145' x 195' at maximum operating water levels. This provides 877,814-gallons of capacity at the maximum operating depth of five-feet (5'). Cell #2 is approximately 404' x 162' at maximum operating water levels. This provides 2,300,204-gallons of capacity at maximum operating depth of 5.45-feet. Cell #3 is approximately 180' x 185' at maximum operating water levels. This provides 871,030-gallons of capacity at the maximum operating depth of four-feet (4'). The total capacity of the three (3) cells is approximately 4,049,048-gallons of total capacity. The capacity above the two-foot (2') level is approximately 2,564,711-gallons. These sizes are based on actual field survey data and are somewhat larger than what SD DENR show in their on-site report.

The Town currently operates a Pond Doctor system on Cell #1. The Pond Doctor was placed in service in 2004. The main reason for installing this aeration system was to extend the life of the existing facility. As growth continues, the concern increases on how much growth can the existing lagoons handle without expansion of those facilities. Due to the lack of supportive, conclusive data, accepted by SD DENR, the operation of the Pond Doctor has not been considered in this report. Any benefits provided by the Pond Doctor will simply extend the life of the system.

Treatment system (lagoons) routine maintenance should include:

- Removal of cattails;
- Eliminate noxious weeds on the dikes;
- Attempt to minimize rodents and water fowl around the lagoons;
- Monitor sludge levels and periodically do sludge removal.

Overall system recommendations:

- Conduct a vulnerability assessment of the entire system;
- Install flow monitoring device at lagoon;
- Seed berms to minimize erosion;
- Repair bentonite liner bottom in Cell #2;
- Tabulate PH readings;
- Level indicators in all cells;
- Submit discharge reports even with no discharge;
- The Town may want to consider periodic sample analysis to monitor significant changes in influent as the community grows;
- Alternate power sources for the lift stations and Pond Doctor
- Certified operator allowed to maintain applicable ratings and current practices.

d. Financial Status of any Existing Facilities

The present municipal sewer fees for residents inside Town limits is \$21.00 flat fee per account and a \$40.00 flat fee per account for commercial inside Town limits. For out of Town residents, a \$40.00 flat fee is applied and a \$50.00 flat fee is applied to commercial accounts that are out of the Town limits. The basic water unit is 3,000-gallons.

The most recent figures from 2020 from the Town show that the Town still owes approximately \$816,000 for water system improvements and sewer system improvements.

The Town should review these fees and develop a fee schedule based on water usage. Large users do not currently pay any additional costs for the higher usage which has impacts on the municipal sewer system. As part of this review, sewer tap fees should be reviewed. The Town is currently developing a mechanism for developers to recapture a portion of the initial costs of extending the Town's infrastructure to new developments. The final form of this policy will likely take the form similar to the Tax Increment Districts (TIF) used by the City of Rapid City for this purpose. Essentially, the policy places the initial costs as a cost to the developer but allows the developer to recapture a portion of the installation costs over future years as additional taps occur on any portion of the line installed under the TTF agreement. The Town should continue to finalize this policy to be in place prior to any future development occurs. Once a developer comes before the Board for approval, the developer's construction timeline typically will not allow development of the TIF Program.

This report will look at the ability of the Town to repay the proposed financing package and will make a recommendation regarding rates based on that repayment ability, however, even if the Town has adequate repayment ability with the current rate structure, the Board should consider a revised rate structure to provide reserve funds for future infrastructure improvements that will certainly be required as growth continues.

The tables below are projections of the sewer revenue generated with the current flat rates and a comparison with a rate structure based on water use. As a comparison, the City of Custer bills a flat rate of \$14.75 for the first 2,000-gallons and \$1.00 per 1,000-gallons above the minimum unit of 2,000-gallons. For comparison purposes, this report used a single rate for all users.

Water usage has been obtained for the months December 2019 through May 2020 with February 2020 not being used because the data received showed a negative use. The monthly average for the five (5) months is approximately 810,000 gallons / month. For this study, the following usages will be assumed:

- Annual Average: 9,720,000 gallons / year
- Monthly Average: 810,000 gallons / month
- Daily Average: 27,630 gallons / day

For future use calculations, the gallons per day for a residential account is 120-gpd. This usage is based on current meter readings and billing information found in [Appendix K](#).

The table below illustrates a minimum rate of \$20.00 for 3,000-gallons of water billed and \$1.25 for every 1,000-gallons billed above the minimum use. The revenue illustrated is based on two-hundred and twenty-four (224) accounts.

Table 1: Project Sewer Revenue Comparison

Monthly Average Water Billed per Month		810,000
Minimum Usage	224 accounts * 3,000 gallons	672,000
Difference or Additional Use		138,000

138,000-gallons billed at \$1.25 per 1,000 gallons would generate additional revenue of \$172.50 per month or an additional \$2,070.00 per year in additional income based on existing usage. For this reason, it is recommended Hermosa consider a sewer rate structure based on actual water usage versus flat rate.

Table 2: Projected Sewer Revenue 2020 (Current Rates)

User	Quantity	Base Rate	Additional Charge	Total
Residential	224	\$21.00	\$0.00	\$4,704.00
Other				\$850.00
			Total Monthly	\$5,554.00
			Total Yearly	\$66,648.00

Table 3: Projected Sewer Revenue 2020 (Proposed Rates)

User	Quantity	Base Rate	Additional Charge	Total
Residential	224	\$21.00	\$172.50	\$4,876.50
Other				\$850.00
			Total Monthly	\$5,726.50
			Total Yearly	\$68,718.00

Hermosa's sewer regulations are included in [Appendix L](#).

Existing operation and maintenance (O&M) costs were based off of the average for 2017, 2018, and 2019 that includes insurance, operator contract, testing, repairs and maintenance, supplies and materials, chemical testing, utility expenses, existing debt, and assumed short lived assets that are associated with the sewer system. The table below represents the yearly costs. See [Appendix M](#) for a breakdown including an estimated short-lived assets breakdown.

Table 4: Existing O&M

Other Insurance	\$1,811.86
Contract	\$13,139.07
Professional Fees	\$9,112.49
Repairs and Maintenance	\$28,066.71
Supplies and Materials	\$2,412.28
Chemicals and Testing	\$1,034.67
Utilities Expense	\$2,466.30
Existing Debt	\$4,059.37
Short-Lived Assets	\$1,266.67
Total	\$63,369.42

e. Water/Energy/Waste Audits

A composite sample of influent flow was taken over a two-day (2) period in September of 2004 and analyzed. The composite sample was taken at the terminal manhole located just before the influent enters the lagoon. Appendix N has the results of the analysis. That analysis shows the following results:

- 5-day BOD: 180 mg/L
- Total Suspended solids: 120 mg/L
- Nitrogen, Ammonia: 29 mg/L
- Fecal Coliform: 1,500,000 CFU/100mL

3. NEED FOR PROJECT

a. Health, Sanitation, and Security

Current design requirements have two (2) components, the first is 180-day storage capacity which is simply capacity of the system to hold 180-days of influent before discharging. This criteria requires the 180-day storage capacity be provided above the two-foot (2') level and also provide two-feet (2') of freeboard minimum. SD DENR design criteria allows fluid depths of five-feet (5') in the primary cell, six-feet (6') in the secondary cell, and up to eight-feet (8') in all subsequent cells. One (1) of the considered alternates will explore increasing the depth of the cells to the maximum operating levels.

For this report, the average flow rate used was based on the average water billed for December 2019 through May of 2020. February was excluded due to faulty data. During that time frame, there was an average of 27,630-gallons of water sold per day. This agrees with 48-gpcpd with 224 accounts assuming 2.5 persons per household. The sewer flow would equate to 26,880-gpd. So, the 27,630-gpd seems acceptable and possibly conservative.

At the flow rate of 27,630-gpd, the 180-day storage capacity required is 4,973,400-gallons above the two-foot (2') level. The loss attributed to seepage and evaporation is 1,492,020-gallons (30% of total) in a 180-day period. The 180-day storage capacity, less water loss is 3,481,380-gallons. This should be available above the two-foot (2') level. The current capacity of the existing lagoons (2,564,711-gallons) does not meet the required 180-day capacity above the two-foot (2') level; however, there is capacity if the total storage volume (4,049,048-gallons) is used. The current storage capacity, above the two-foot (2') level is only 133-days.

The second design criterion is BOD loading. This criteria allows for a maximum design loading rate of thirty-pounds (30) of BOD₅ per acre per day in the primary cell and a maximum loading rate of twenty-pounds (20) of BOD₅ per acre per day for the total organic loading rate for the total surface area.

Analysis of a composite sample of the lagoon influent shows the BOD₅ of the Hermosa sewer influent to be 180 mg/L. A typical design number when no better data is available is 250 mg/L.

Using 215 mg/L as a conservative BOD₅ number, a flow rate of 27,630-gallons per day, the BOD loading rate on the primary cell is 49.57-pounds BOD₅. At thirty-pounds (30) BOD₅ as the maximum design rate, the required size of Cell #1 or the primary cell should be 1.65-acres. The size of the current primary cell is only 0.65-acre.

Using the 180 mg/L per the composite sample analysis, a flow rate of 27,630-gallons per day, the BOD loading rate on the primary cell is 41.50-pounds BOD₅. At thirty-pounds (30) BOD₅ as the maximum design rate, the required size of Cell #1 or the primary cell should be 1.38-acre. The size of the current primary cell is only 0.65-acres.

The current loading rates exceeds design criteria in both scenarios.

The total lagoon size is 2.9-acres. So, the loading rate is 58-pounds of BOD per acre per day which is below the design criteria of twenty-pounds (20) of BOD per acre per day.

In the site visit report, dated April 26, 2004 for the on-site inspection held March 25, 2004, SD DENR indicated the surface area of each cell was:

- Cell #1 - 0.56-acres;
- Cell #2 - 0.56-acres;
- Cell #3 - 1.1-acres;

at maximum operating depth of five and a half feet (5.5'), four-feet (4'), and three-feet (3') respectively.

It appears that the existing lagoon system should not function in an acceptable manner; however, there are no signs that the system is under extreme stress as what would be expected. The strength of the sewer effluent in Hermosa is below average strengths; also, the fact many of the residents work in Rapid City or surrounding areas may lower the average daily sewer flows per person from average flows expected.

In essence, this says that Inflow = Outflow, with inflow being sewer flow plus precipitation and outflow being evaporation plus seepage. The other variable in Hermosa's case is the hole in the bentonite liner of Cell #2. The Town has not done any irrigation from the lagoon in over a year. It appears the cell maybe leaking as much as what is coming in per day which is substantial.

Although, the lagoons appear to operating at an acceptable condition, the data indicates that if the liner was repaired, operating limits may change substantially. The lagoons are probably not operating within design parameters with the current leak.

The Water Facilities Plan completed for the water project in 1999 by Renner & Sperlich addressed the sewer system as well. That plan indicated that a re-evaluation should be done after twenty-five (25) additional homes were added to the system. It also stated that the 180-day storage would not be met with these additional homes.

The Town should continue to rip rap the banks as required to stop erosion caused by high water and wind. The Town should consider placing rip on all exposed banks, even though it may not be required on this size lagoon, it will help to eliminate potential erosion in the future.

b. Aging Infrastructure

Due to the close proximity of Hermosa to Rapid City and the Heartland Expressway, there is a large potential for population growth in the Town as a "bedroom community." The existing wastewater collection system has surpassed its regulated capacity and the Town will become unable to meet the required storage duration as growth continues without some type of expansion or improved technology put in place. The Town Board appreciates the need to be proactive in planning for future expansion, and the needs of the Town in an organized manner instead of having to construct infrastructure improvements in a crisis situation when time and funds may be critical.

The projected growth and current system issues raises concerns about safety issues with additional growth in the community. A wastewater system analysis has been completed to provide guidance to the Town of Hermosa on serving the projected increase in wastewater over the next twenty-years (20). This study includes the appropriate timing of expanding existing sewage lagoon systems in order to maintain projected wastewater flows for this system. This study included:

- Evaluation and recommendations of the existing collection system;
- Evaluation and recommendations of the existing lagoons;
- Alternate future treatment options.

The existing service area includes development just west of SD Hwy 79, Chapel Hills, near the intersection of SD Hwy 79 and SD Hwy 40, and the areas located within the corporate Town limits. The current system currently serves approximately two-hundred and twenty-four (224) in the immediate service area. This number is expected to increase dramatically within the next several years as development continues.

The immediate future service area in this study would include:

- The areas within Hermosa which are not currently serviced with municipal sanitary sewer that are located primarily north of Folsom Street from SD Hwy 79 east to Second Street;
- The area north of Rupp Street located between Second Street and the First Street.

Areas that are located outside of the municipal limits are:

- Paramount Point, located just northwest of the corporate Town limits;
- The area north of the corporate Town limits along Gumbo Lily Lane (old SD Hwy 79);
- The proposed Preston development north of Paramount Point.

The Town has added a sewer main located along the north Town limits. This line provides services to all the unsewered areas located within the Town limits and provides service to areas west of SD Hwy 79. In addition to additional service areas, this sewer line could potentially provide a means to extend sewer service north along Gumbo Lily Lane. One (1) concern the Town Board currently has is

what impact additional septic systems will have on ground water sources in areas located adjacent to the municipal limits and especially upstream from the existing well on Battle Creek.

The ultimate service area considered in this report includes the area from approximately one and one-quarter miles (1.25) west of Hwy 79 to the eastern limits of Hermosa and approximately one mile north of SD Hwy 40 and one mile south to SD Hwy 36.

c. Reasonable Growth

Currently the Town of Hermosa provides municipal sewer service to the majority of residents within the Town limits of Hermosa. There are currently some lots that do not have connections to the municipal system. This is primarily due to topographical reasons. The population projections are based on developments that are under construction, before the Planning Commission, or have discussed within the community instead of a percent growth each year.

The expected developments of Heartland Estates, Walnut Grove Trailer Park, Hermosa Hills, G & G Development, Shorbes, and Carriage Hills along with the development of the central undeveloped lots and adding the Fairgrounds Place homes will add an addition ninety-eight (98) residential lots in Hermosa over the next twenty-years (20).

Another proposed development named Preston Ranch Subdivision is in the preliminary platting stage and has discussed with the Town about providing water and sewer services. This are is located one (1) mile north on the west side of Highway 40 for the Town of Hermosa. The current plan is to develop 213 homes over three (3) phases. See [Appendix O](#) for preliminary plat.

The Town is also in discussions with Paramount Point Subdivision, north of the Town on the west side of Highway 79 (see [Appendix A](#) for location), to provide the area with water and sewer services. This would add an additional fourteen (14) users on the system. This subdivision is located out of the Town limits. As a stipulation, the residents of Paramount Point will be required to annex so the Town could benefit from the tax base.

Another area that is interested in water and sewer services from the Town is along Gumbo Lily Lane north of Town limits. This will add an additional ten (10) users. Again, the residents will need to annex into the Town limits.

Lastly, there are five (5) homes along Fairgrounds Place that are currently on Town water but have separate septic systems. These will be removed off of the septic systems and placed on City sewer and will also be annexed. These homes are already included in the 224 accounts as they have Town water.

Based on current development projections and additions of existing homes, an approximate of 245 residents is estimated to be added over the coming years. This will place Hermosa's population at an estimated 945 in 2040. The Town should monitor development and update projections on a regular basis, possibly annually or bi-annually. This will then provide an excellent planning tool for projecting future construction needs.

After construction, twenty-four (24) accounts will be directly added on as Paramount Point Subdivision, Gumbo Lily Lane, and Fairgrounds Place homes contain existing homes.

Table 5: Population Projection over the next Twenty-Years

Population Projections: Town of Hermosa														
	2020		Projected Total		2021		2025		2030		2035		2040	
	Res	Com	Res	Com	Res	Com	Res	Com	Res	Com	Res	Com	Res	Com
Neugebauer Property (West Foot Hills)			15						5		5		5	
Additional Hwy 79 Businesses				2			1					1		
Walnut Grove Trailer Park			2		1		1							
Heartland Estates			8				2		2		2		2	
Hermosa Hills			13	2	3		4	1	4	1	2		2	
Central Undeveloped Lots			10		1		3		3					
G & G Development			8				2		2		2		2	
Shorbes (N. 5th Street)			4				2		2					
Fairgrounds Place Homes			5		5									
Carriage Hills			33				3		10		10		10	
Preston Ranch Subdivision			123				5		10		10		10	
Paramount Point Subdivision			14		14									
Gumbo Lily Lane			10		10									
Total Additional	0	0	245	4	34	0	22	2	38	1	31	1	29	0
Accumulative Population	1,415				1,500		1,555		1,650		1,728		1,800	

* Accumulative Population is based on 2.5 persons per residential home. 2020 based off 224 residential accounts

* Res -> Residential; Com -> Commercial

Hermosa's growth patterns appear to be developing much like the town of Tea, located south of Sioux Falls. Tea is very similar to Hermosa in proximity to a large metropolitan area, a bedroom community to a larger city which experienced significant growth in a short period of time. With this growth came the need to provide services such as water and sewer systems. Tea has done very well in handling this growth and would be an excellent source of information for Hermosa.

As the Town experiences growth, the land use of the developing area is expected to change from agricultural to urban residential. The land use outside the developing areas is expected to remain very similar to what it is today. A commercial corridor is expected to develop along Hwy. 79 both north and south of Hermosa. For this report, the corridor is expected to extend approximately 1 mile in each direction along Hwy. 79 adding four (4) businesses over the next twenty-years (20).

i. Forecast of Flows and Waste Loads

Hermosa currently has not separate method of measuring the sanitary sewer flows coming into the lagoon. The existing sewer flows for this report will be based on water pumped from the two (2) Town wells.

The table below represents the projected water usage for the next twenty (20) years. This is based off of the population projection above.

Table 6: Hermosa Projected Water Usage

	Projected Annual Water Demands					
	2020	2021	2025	2030	2035	2040
Residential	9,720,000	11,209,200	12,172,800	13,837,200	15,195,000	16,465,200
Commercial	0	0	365,000	547,500	730,000	730,000
Total Annual Water Demand	9,720,000	11,209,200	12,537,800	14,384,700	15,925,000	17,195,200
Total Daily Water Demand	26,630	30,710	34,350	39,410	43,630	47,110

Residential use = 120 gpd per residence (Assumes 2.5 people per residence)

Commercial use = 500 gpd

* Projected quantities shown are number of residences and additional water demand for commercial.

The table below provides a breakdown of water demands as well as projected sewer flows projected through 2040.

Table 7: Hermosa Estimated 180-Day Capacity Requirement

180-Day Capacity Requirement				
2021	2025	2030	2035	2040
5,527,825	6,183,025	7,093,825	7,853,425	8,479,825

* Sewer flow = 100% of water use for winter months

The Town should continue to monitor flows into the lagoon, the strength of those flows, and the types of users utilizing the lagoons. As these variables change, the Town should review the hydraulic and BOD loading capacity of the lagoon system based on more current data. These variables will have an effect on when expansion is required and how much expansion will be required. By better monitoring the flows, it will allow Hermosa to maximize the treatment system and reduce construction requirements.

ii. Flow Reduction

In an effort to extend the life of the present treatment system with minimal expansion, as the Town's Comprehensive Plan is updated, consideration should be given to revising the current subdivision ordinance and/or the Comprehensive Plan to require low flow fixtures be installed in all new subdivision construction. These measures will reduce water use per capita which would in turn reduce or slow the need for future upgrades and expansion of the Town's municipal treatment system. The difficulty is control of such an ordinance and how much conservation is actually seen. The only realistic control mechanism is the building permit inspection.

4. ALTERNATIVES CONSIDERED

a. No Action

In the event that no action is taken, the current lagoon will be insufficient in its ability to contain projected wastewater influent. Furthermore, without improvements the lagoon will become unable to comply with regulations set forth by the DENR with regards to current wastewater flows. Without the ability to adequately handle the projected waste water flows into the future, development and growth in and around Hermosa will stagnate. Developers will be forced to provide their own onsite septic systems outside of the Town's control. This condition will only increase the number of onsite septic systems and continue to add to the existing concern regarding contamination of ground water resources. This option is not considered as a viable alternative.

b. Regionalization or Consolidation of Systems

Regionalization does not appear to be an alternative in this area. There are no other sewer treatment facilities, other than a small campground lagoon near SD Hwy 36, operating in the area and the nearest municipality is Fairburn located south of Hermosa. The resident and ranchers residing around Hermosa typically have individual on-site waste water systems consisting of septic tanks and an absorption system. As development occurs around Hermosa, efforts should be made to provide municipal sewer service to developing areas as well as to areas which have individual on-site systems. This will allow the elimination of septic systems and the potential for contamination of the ground water sources.

The Town of Hermosa does not have the financial ability to repay a loan to accomplish this type of regionalization under the current financing options offered through the State. An improvement of this nature and size must have the support and commitment of multiple local entities as well as the State. Because of the cost to extend infrastructure to serve outlying areas to serve a minimal number of users, this alternative was eliminated as a viable alternative.

c. Trenchless Technology vs. Conventional Trenching

The Town should consider cast-in-place pipe as a replacement option as they begin to replace aging sewer main lines. This may provide a cost savings as compared to replacement of existing sewer mains. A cost comparison will be provided in the cost estimate of the selected plan of this report as.

d. Conventional Collection System

This is the one of the realistic methods of collecting Hermosa's municipal sewer waste. The current system is nearly all severed by a gravity collection system which is typically the most cost-effective method of collecting municipal waste. There is the potential to eliminate one (1) of the lift stations with a trunk sewer line installed on Whitney Street from Fifth Street east to Ferguson Street. The possibility of lowering the existing lagoons to serve Heartland Estates and the residential homes located along Fairgrounds Place will be evaluated in the Lagoon Expansion Alternative.

e. Viable Treatment Technologies

There are many treatment technologies available for treating municipal sanitary waste such as Sequencing Batch Reactor (SBR). These technologies are typically more expensive to develop than the type of treatment that Hermosa is currently using. New treatment technology will be further evaluated as alternative.

f. New Facilities vs. Upgrade of Existing Facilities

Upgrading the existing treatment facilities appears to be the most feasible option financially for the Town of Hermosa at this time. Existing lagoons are in place and land is available adjacent to the existing lagoons which would allow for expansion of the lagoons. Upgrading the existing facilities, in the case of lagoon treatment, will require expanding the size of the lagoons. There is no method to upgrade the existing facilities to serve the growing area without expansion in some way.

New facilities by the use of an alternate treatment technology will be further evaluated as an alternative which would involve a new facility. Any new treatment facility should consist of a more modern treatment technology in place of the lagoon system. The new facility would be able to be constructed on the existing lagoon site. It seems very short sighted to commit to this size of capital investment and locate it in an area which will continue to develop around the treatment site. Phasing the construction of the new facility at the present site and maintain the existing treatment system during construction will need to be considered.

g. Optimum Operation of Existing Facilities

There is limited ability to optimize the operation of the existing facilities. At best, this would only be a band-aide fix based on the projected population growth. One (1) option which will be evaluated is to deepen the existing lagoons, to the extent possible, which would allow gravity service to a larger area such as Fairgrounds Place and Heartland Estates. This option will have limits, without major modifications to the existing cell configuration, due to maximum depth limits for primary cells.

As part of the evaluation, elimination of the berm between Cell #1 and #2 will be evaluated to increase the size of the primary cell. This will better allow the Town to meet design criteria for primary cells.

Alternative No. 1 – Lagoon Expansion

a. Description

This alternate consists of construction of another cell adjacent to the existing lagoons. The new cell would be located adjacent to Cell #2 to the east. The depth will be designed to provide a maximum depth level of eight-feet (8') and be rectangular in shape. The new cell (Cell #4) would be developed as the third cell in a series of three (3). Current land application of effluent would be maintained and land application would be from Cell #4. As part of the construction of the new cell, the berm currently located between existing Cells #1 and #3, would be eliminated increasing the size of the primary cell, Cell #1. With the removal of this berm, the lagoons would operate as three (3) cells in series. Existing Cell #1 and #3 would become Cell #1, existing Cell #2 would remain Cell #2 and the new Cell would become Cell #3.

Existing Cell #3 currently has two (2) different bottom elevation levels, as part of this construction, the cell would be lowered to a single depth to maximize the capacity and provide a maximum liquid level of five-feet (5') feet. Within this Alternative, the option of lowering the existing Cells will be evaluated.

As part of this construction, consideration should be given to upgrading the security of the lagoons to install six-foot (6') chain-link fence around the entire perimeter of the lagoons with access gates. This would upgrade site security above the barb-wire fence in place today. Pond level indicators should be installed in each pond.

The current lagoons do not have adequate rip rap to minimize erosion. The Town has been in the process of placing rip rap on the south end of Cell #2. Any construction project should include an evaluation of each cell and provide for installation of applicable rip rap within the existing cells. Current design criteria require rip rap of cells greater than one (1) acre in size with a recommendation to rip rap smaller cells. Since Hermosa is experiencing erosion of the third cell, it is recommended that rip rap be placed in any new construction but also in the existing cells. With the berm removal in the primary cell, the size of the cell may allow more erosion due to the impacts of the prevailing winds similar to currently happening on the second cell.

Other work includes upgrading portions of the existing collection system in various areas of Town. These areas would be areas that typically had required a high level of maintenance and identified as needing repair from the television logs. Specific area of the municipal sewer to be installed should be evaluated with Town staff and current television logs of the Town's collection system. The Town is currently evaluating the cost of televising the entire collection system. Any televising completed prior to beginning a construction project should be incorporated into the planning phase to determine which lines should be replaced. It appears that the following areas should be considered for replacement:

- 4" clay pipe with 8" PVC in the east-west alley between N. 3rd St. and N. 2nd St. north of E. Main Street.
- 8" concrete pipe with 8" PVC in the north-south alley between N. 3rd St. and N. 2nd St. north of E. Main Street.
- 4" PVC with 8" PVC at the intersection of 4th St. and Manning St.
- Remove five (5) homes east of Fairgrounds Place off of existing septic systems and place on the City sewer. An 8" PVC main runs north-south on Fairgrounds Place that the homes will connect too.

The line replacement is based on previous sewer television tapes and maintenance issues. These lines also include the lines primarily contributing to inflow and infiltration flows. The replacement of the identified sewer mains will eliminate the majority of inflow and infiltration flows.

The Town should continue to camera older lines and prioritize replacement to eliminate I/I flows throughout the balance of the collection system.

The Town has discussed lowering Cell #1 to serve Fairgrounds Place and Heartland Estates by gravity flow. Cell #1 is currently operating at the maximum allowable level for primary cells in accordance with state requirements. The maximum liquid level of a primary cell is five-feet (5'). The cell could be lowered to provide gravity service to those two areas, however, the liquid level could not exceed five-feet (5').

b. Design Criteria

The 10 States Standards and SDDENR Design Guidance will be used for design criteria on the proposed system.

c. Map

A schematic layout of the proposed lagoons is included in [Appendix P](#).

d. Environmental Impacts

Containment of the sewage within the lagoons can cause a major impact to the groundwater if not properly sealed.

e. Land Requirements

This alternative will not require any land acquisition because there is adequate area where the existing lagoons are located for the proposed expansion.

f. Potential Construction Problems

Potential construction issues include:

- Lowering the depth of the existing lagoons.
- Hauling bentonite to line the bottom of the proposed cell.

g. Sustainability Considerations

i. Water and Energy Efficiency

The Town would promote low flow facilities in the residents' homes.

h. Cost Estimates

The probable estimate of cost is included in the table below.

Table 8: Lagoon Expansion Probable Estimate of Cost

Item	Unit	Total Quantity	Unit Price	Extended Cost
Mobilization (20% OF PROJECT COST)	LS	1	\$374,719.00	\$374,719.00
8" PVC Sewer Main (8' - 10')	LF	5,000	\$55.00	\$275,000.00
Standard Manhole, 48" Dia.	EA	5	\$4,000.00	\$20,000.00
Bentonite Liner	TON	250	\$120.00	\$30,000.00
Flow Metering Device	LS	1	\$12,000.00	\$12,000.00
Sludge Removal & Disposal	CY	3,400	\$15.00	\$51,000.00
Pond Level Indicators	EA	3	\$750.00	\$2,250.00
Seeding, Fertilizing, Mulching	AC	2	\$5,000.00	\$10,000.00
Gravel Surfacing	TON	350	\$25.00	\$8,750.00
Type I Bedding Material	TON	1,125	\$21.00	\$23,625.00
Unclassified Excavation	CY	18,000	\$8.00	\$144,000.00
Erosion Control, Silt Fence	LF	1,400	\$5.00	\$7,000.00
Class I RipRap	TON	200	\$60.00	\$12,000.00
6' Chain Link Fence, Complete	LF	2,800	\$25.00	\$70,000.00
Chain Link Gate 6'x8'	EA	2	\$800.00	\$1,600.00
EXISTING REPLACEMENTS				
8" PVC Sewer Main (8' - 10')	LF	690	\$55.00	\$37,950.00
4" PVC Sewer Service Line	LF	150	\$50.00	\$7,500.00
Abandon Septic & Connect	EA	5	\$3,000.00	\$15,000.00
PARAMOUNT POINT SUBDIVISION				
8" PVC Sewer Main (8' - 10')	LF	5,019	\$55.00	\$276,045.00
4" PVC Sewer Service Line	LF	420	\$50.00	\$21,000.00
Standard Manhole, 48" Dia.	EA	10	\$4,000.00	\$40,000.00
PRESTON RANCH SUBDIVISION				
8" PVC Sewer Main (8' - 10')	LF	5,525	\$55.00	\$303,875.00
Standard Manhole, 48" Dia.	EA	5	\$4,000.00	\$20,000.00
Lift Station	EA	1	\$175,000.00	\$175,000.00
GUMBO LILY LANE				
8" PVC Sewer Main (8' - 10')	LF	5,000	\$55.00	\$275,000.00
4" PVC Sewer Service Line	LF	300	\$50.00	\$15,000.00
Standard Manhole, 48" Dia.	EA	5	\$4,000.00	\$20,000.00
Miscellaneous & Incidental (10% OF PROJECT COST)	LS	1	\$187,359.50	\$187,359.50

Subtotal	\$2,435,673.50
Contingency (10%)	\$243,567.35
Design Engineering (20%)	\$487,134.70
Construction Engineering (15%)	\$365,351.03
Total Estimated Cost	\$3,531,726.58

The total project cost is at \$3,531,726.58. This includes design (survey, design engineering, legal and administration), construction estimate, construction engineering, and a 10% contingency.

For user cost purposes, an assumed loan would run forty-years (40) at 3% interest and no grant will be part of the package. Assuming 248 users, the monthly P&I will be \$63.82 per user per month.

The O & M would be similar to the existing costs. See Table 4.

The total monthly cost per user assuming 248 users for Alternative No. 1 includes:

- Debt Repayment: \$50.98
- O & M: \$21.29
- Total Cost: \$72.27

Alternative No. 2 – Sequencing Batch Reactor (SBR) Waste Water Treatment Plant (WWTP)

a. Description

This alternative consists of constructing a new facility that would utilize modern treatment technology such as SBR and be designed and sized to be expanded as the area grows at the area of the existing lagoons. This facility has the potential to develop into a regional system in the future. Additional easements may be required as well based on final alignments. The new site would require a discharge permit.

Additional work would include replacement of the same portions of the collection system as indicated in Alternative No. 1. The line replacement is based on previous sewer television tapes and maintenance issues. These lines also include the lines primarily contributing to inflow and infiltration flows. The replacement of the identified sewer mains will eliminate the majority of inflow and infiltration flows.

The Town should continue to camera older lines and prioritize replacement to eliminate I/I flows throughout the balance of the collection system.

Sanitaire's ICEAS used a nitrification process to treat the sewage. The system is a two (2) basin, concrete tank system. See [Appendix Q](#) for SBR information.

There are three (3) design summaries included as follows:

- Two (2) basins operating full 2040 design load
- Two (2) basins operating years 2020-2035
- One (1) basin operating years 2020-2025 (once the flow gets to be over half the 2040 loadings)

The estimated footprint, per tank:

- Two (2) tanks, Each. 37' x 13' x 15' Top Water Level (TWL)

The design notes of the system:

- Basin sizing and equipment list is provided in the 2-page design summary, along with sizing parameters, decant rates and estimated power requirements.
- Design is based on effluent of 10/10/1 (BOD/TSS/Ammonia). Cycle times are adjustable to help optimize treatment.

- Assumed minimum waste water temperature of 10 °C.
- Assumed peak hydraulic flow of 0.175 MGD (2.5 peaking factor).
- Basin dimensions are adjustable to fit footprint.

The general scope of supplies includes:

- Decanter with drive unit (One (1) per basin)
- ICEAS PD Blowers – (One (1)- shared duty, One (1) - standby)
- Sanitaire fine bubble 9” membrane disc aeration systems (1 per basin)
- O/C Air control valves (1 per basin)
- Flygt WAS pumps (1 per basin)
- Xylem Sanitaire Control panel including PLC/HMI and webport
- DO Control with YSI Probes
- Level Instrumentation
- Motor starters and VFDs for Above Listed Equipment
- Freight to jobsite
- Field startup service
- Standard 12-month warranty
 - Process Guarantee

Following are a few highlights for consideration:

- No clarifiers and RAS piping in comparison to a conventional system (small footprint). No internal recycle with separate added anoxic/anaerobic zones for BNR treatment.
- In comparison to a true-batch SBR: balanced loading between basins, footprint and/or capacity advantage, and operational flexibility (i.e. single basin operation for maintenance, low flows, etc.).
- Robust decanter design, which includes: adjustable variable speed operation to handle peak flows, rugged 304 SS decanter construction with little to no maintenance required on in-basin piping, electro-mechanical actuator installed on the basin walkway for ease of access, fail safe weir/trough positioning above TWL during react and settle phases, top-down decant – maximizing settling, scum exclusion, visual check of effluent, simple gravity flow, weir overflow during power outages.
- Sanitaire proven/reliable/high efficiency Fine Bubble Membrane Disc Aeration System. When evaluated on both pressure and OTE, the most efficient aeration system in the market, which is capable of meeting the O₂ and mixing requirements with no recirculation pumps or mixers. Mixers only needed for TN requirements – not needed at this time.
- Ease of expansion, modular.
- Control package including DO Control (Optional SRT Control available – NOT included), MCC and coordination with related Equipment – Sole source responsibility.
- Process Guarantee.

This option is the most attractable to the Town of Hermosa as it would allow the Town with necessary capacity to provide the surrounding existing and future customers with adequate waste water treatment and allow for expansion. See [Appendix R](#) for Town Board water options approval minutes.

b. Design Criteria

The 10 States Standards and SDDENR Design Guidance will be used for design criteria on the proposed system.

c. Map

A general schematic of this alternative is located in [Appendix Q](#). The footprint of the SBR will be able to utilize the area of the existing lagoons shown in [Appendix I](#).

d. Environmental Impacts

By the use of treatment technology, the environmental impacts are decreased from the lagoon facilities. However, there will need to be a discharge permit and sludge disposal to manage.

e. Land Requirements

This alternative will not require any land acquisition because there is adequate area where the existing lagoons are located for the proposed treatment system.

f. Potential Construction Problems

Potential construction issues include:

- High ground water.
- Phasing construction to maintain operation of a portion of the lagoons while the SBR is being constructed.

g. Sustainability Considerations

i. Water and Energy Efficiency

The Town would promote low flow facilities in the residents' homes. Also, if the discharge becomes more stringent in the future, an SBR is more capable of adjusting to those allowances over a lagoon.

h. Cost Estimates

The probable estimate of cost is included in the table below.

Table 9: SBR WWTP Probable Estimate of Cost

Item	Unit	Total Quantity	Unit Price	Extended Cost
Mobilization (20% OF PROJECT COST)	LS	1	\$652,539.00	\$652,539.00
8" PVC Sewer Main (8' - 10')	LF	5,000	\$55.00	\$275,000.00
10" PVC Sewer Main (8' - 10')	LF	10,560	\$60.00	\$633,600.00
Standard Manhole, 48" Dia.	EA	35	\$4,000.00	\$140,000.00
Lift Station	LS	1	\$180,000.00	\$180,000.00
Seeding, Fertilizing, Mulching	AC	3	\$5,000.00	\$12,500.00
Gravel Surfacing	TON	400	\$25.00	\$10,000.00
Type I Bedding Material	TON	1,125	\$21.00	\$23,625.00
Erosion Control, Silt Fence	LF	1,000	\$5.00	\$5,000.00
6' Chain Link Fence, Complete	LF	2,800	\$25.00	\$70,000.00
Chain Link Gate 6'x8'	EA	2	\$800.00	\$1,600.00
Electric Service	LS	1	\$10,000.00	\$10,000.00
Abandon Existing Lagoons	LS	1	\$60,000.00	\$60,000.00
Well & Pump House	LS	1	\$115,000.00	\$115,000.00
Sanitaire's ICEAS SBR WWTP, Complete	EA	1	\$380,000.00	\$380,000.00
75,700-Gallon Concrete Tank	EA	2	\$70,000.00	\$140,000.00
EXISTING REPLACEMENTS				
8" PVC Sewer Main (8' - 10')	LF	690	\$55.00	\$37,950.00
4" PVC Sewer Service Line	LF	150	\$50.00	\$7,500.00
Abandon Septic & Connect	EA	5	\$3,000.00	\$15,000.00
PARAMOUNT POINT SUBDIVISION				
8" PVC Sewer Main (8' - 10')	LF	5,019	\$55.00	\$276,045.00
4" PVC Sewer Service Line	LF	420	\$50.00	\$21,000.00
Standard Manhole, 48" Dia.	EA	10	\$4,000.00	\$40,000.00
PRESTON RANCH SUBDIVISION				
8" PVC Sewer Main (8' - 10')	LF	5,525	\$55.00	\$303,875.00
Standard Manhole, 48" Dia.	EA	5	\$4,000.00	\$20,000.00
Lift Station	EA	1	\$175,000.00	\$175,000.00
GUMBO LILY LANE				
8" PVC Sewer Main (8' - 10')	LF	5,000	\$55.00	\$275,000.00
4" PVC Sewer Service Line	LF	300	\$50.00	\$15,000.00
Standard Manhole, 48" Dia.	EA	5	\$4,000.00	\$20,000.00
Miscellaneous & Incidental (10% OF PROJECT COST)	LS	1	\$326,269.50	\$326,269.50

Subtotal	\$4,241,503.50
Contingency (10%)	\$424,150.35
Design Engineering (20%)	\$848,300.70
Construction Engineering (15%)	\$636,225.53
Total Estimated Cost	\$6,150,180.08

The total project cost is at \$6,150,180.08. This includes design (survey, design engineering, legal and administration), construction estimate, construction engineering, and a 10% contingency.

For user cost purposes, an assumed loan would run forty-years (40) at 3% interest and no grant will be part of the package. Assuming 248 users, the monthly P&I will be \$88.78 per user per month.

The O & M would be similar to the existing costs. See Table 4.

The only additional would pertain to the "Contract" line item. This item includes operator costs. This will more than likely increase as an operator or operator training that can maintain this type of system is needed. For this estimate, the assumption is the \$13,139.07 per year cost will be doubled to \$26,278.14.

This option includes additional testing regarding a discharge permit.

Additionally, the short-lived assets would increase due to the added plant. The table below outlines added assets on top of the \$1,266.67 per year.

Table 10: SBR Short-Lived Assets

Description	Recurrence (Year)	Expense	Price / Year
Repair/Replace SBR Controls	15	\$500.00	\$33.33
Basin Maintenance	10	\$400.00	\$40.00
Total			\$73.33

The total monthly cost per user assuming 248 users for Alternative No. 2 includes:

- Debt Repayment: \$88.78
- O & M: \$28.43
- Total Cost: \$117.21

Alternative No. 3 – Relocation of the Existing Treatment Facilities

a. Description

The alternative consists of relocating the existing treatment facility outside of Town within a five-mile (5) radius. A new facility would utilize modern treatment technology described in Alternative 2 and be designed and sized to be expanded as the area grows. The most logical location would be either to the east or southeast of Hermosa with discharge to Battle Creek. The area east of Hermosa is currently undeveloped and is largely farm and range land. This facility would hopefully develop into a regional system in the future. This alternative would require installation of a main truck line from the existing treatment site to the new facility, as well as, land acquisition for the plant site.

Additional easements may be required as well, based on the final location and alignments. The new site would require a discharge permit or a revision to the existing discharge permit. The expected discharge permit limitations would not be expected to change drastically from the permit Hermosa currently holds, however, reporting requirements would increase substantially. The SBR technology would be a continuous discharge system and testing and reporting requirements would increase to remain in compliance. This would require additional staff time to meet reporting requirements and at some point, may require a full-time operator.

A review of USGS maps indicate that the topography from Hermosa generally slopes away to the east. A potential plant location would be located 2.5 miles east of Hermosa on SD Hwy 40 near Battle Creek. This elevation is approximately 3,200-feet. The existing lagoon ground elevation is approximately 3,280-feet. Locations in this area allow for discharge to either Billover Creek or Battle Creek depending on exact location. Based on projected population, this area seems to make the most sense in accommodating future growth. Development is expected to the south but not as extensive as to the northwest. Development to the northwest should be able to be served by a new treatment plant in this location. It may require lifts station(s) to serve the entire area due to the flat topography to serve future growth. Hermosa will limit growth without consideration of future lift stations to expand the service area.

This alternative would require substantial expansion of a main trunk line from the existing treatment site to the new site. Land acquisition would be required for the new plant as well as potential acquisitions of easements for the main trunk line.

Additional work would include replacement of the same portions of the collection system as indicated in Alternate No. 1.

b. Design Criteria

The 10 States Standards and SDDENR Design Guidance will be used for design criteria on the proposed system.

c. Map

A schematic layout of the proposed alternative is the same as Alternative #2 just in a new location.

d. Environmental Impacts

Other than the impacts listed in Alternative #2, with the addition of a new sewer trunk line, the assumption would be full containment of the sewage. However, there is still an increase in ground water contamination.

e. Land Requirements

This alternative would require substantial expansion of a main trunk line from the existing treatment site to the new site creating the need to acquire easements. Land acquisition would be required for the new plant as well.

f. Potential Construction Problems

Potential construction problems will be similar to Alternative #2.

g. Sustainability Considerations

i. Water and Energy Efficiency

Sustainability considerations will be similar to Alternative #2.

h. Cost Estimates

The probable estimate of cost is that same as Alternative 2 with the addition of purchasing land and an extension of the sewer main to the treatment plant. The following are estimated costs on top of Alternative 2 estimate of probable cost:

• Land Acquisition:	\$75,000.00
• 8" PVC Sewer Main (8' – 10') – 10,560 LF @ \$55.00 / LF	\$580,000.00
• <u>Total</u>	<u>\$655,000.00</u>

The total project cost is at \$6,805,180.08. This includes design (survey, design engineering, legal and administration), construction estimate, construction engineering, and a 10% contingency.

For user cost purposes, an assumed loan would run forty-years (40) at 3% interest and no grant will be part of the package. Assuming 248 users, the monthly P&I will be \$98.23 per user per month.

The O & M would be similar to the existing costs and information provided in Alternative 2. See Table 4.

The total monthly cost per user assuming 248 users for Alternative No. 2 includes:

- Debt Repayment: \$98.23
- O & M: \$28.43
- Total Cost: \$126.66

11 January 2021



APPENDIX A HERMOSA TOWN MAP

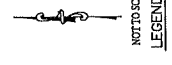
Revision	Date	Description
1	5/20/18	UPDATED

- NOTES:**
1. THE HERMOSA MAP OF HERMOSA TOWN MAPS BY THE HERMOSA MAPS DEPARTMENT IN BACK LOG PLATS PAGE 191 WAS THE BASE MAP USED TO DEVELOP THIS MAP.
 2. INFORMATION WAS PROVIDED BY THE TOWN OF HERMOSA. NO VERIFICATION OF COURT-HOUSE RECORDS WAS CONDUCTED FOR THE COMPLETION OF THIS MAP. NO FIELD SURVEY WAS PERFORMED FOR COMPLETION OF THIS MAP.
 3. THE INTENT OF THIS MAP IS TO PROVIDE A GRAPHIC REPRESENTATION OF HERMOSA.
 4. THIS MAP IS NOT INTENDED NOR SHALL BE USED FOR LEGAL REPRESENTATION.

LOTS 1 THRU 14 OUTLOT K HAVE NOT BEEN VERIFIED BY LEGAL INSTRUMENTS. THE VACATING LOTS 1 THRU 14 OF OUTLOT K, HOWEVER, LEGAL DESCRIPTIONS CURRENTLY USED APPEAR TO REFER BACK TO VACATED PLAT.

PUBLIC RIGHT OF WAY SHOWN IN PLAT BOOK 4, PG. 4, SUBSEQUENTLY REINDESCRIBED SURFACE RIGHTS AND RETAINED A UTILITY EASEMENT IN PLAT BOOK 37, PG. 30A.

- ① ASPHALT
- ② GRAVEL
- ③ GRAVEL WITH ASPHALT
- ④ GRAVEL WITH ASPHALT AND CURB
- ⑤ GRAVEL WITH ASPHALT AND CURB AND SIDEWALK
- ⑥ GRAVEL WITH ASPHALT AND CURB AND SIDEWALK AND GUTTER
- ⑦ GRAVEL WITH ASPHALT AND CURB AND SIDEWALK AND GUTTER AND DRAINAGE
- ⑧ GRAVEL WITH ASPHALT AND CURB AND SIDEWALK AND GUTTER AND DRAINAGE AND LIGHTING
- ⑨ GRAVEL WITH ASPHALT AND CURB AND SIDEWALK AND GUTTER AND DRAINAGE AND LIGHTING AND SIGNAGE
- ⑩ GRAVEL WITH ASPHALT AND CURB AND SIDEWALK AND GUTTER AND DRAINAGE AND LIGHTING AND SIGNAGE AND LANDSCAPING
- ⑪ GRAVEL WITH ASPHALT AND CURB AND SIDEWALK AND GUTTER AND DRAINAGE AND LIGHTING AND SIGNAGE AND LANDSCAPING AND FURNITURE
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LEGEND

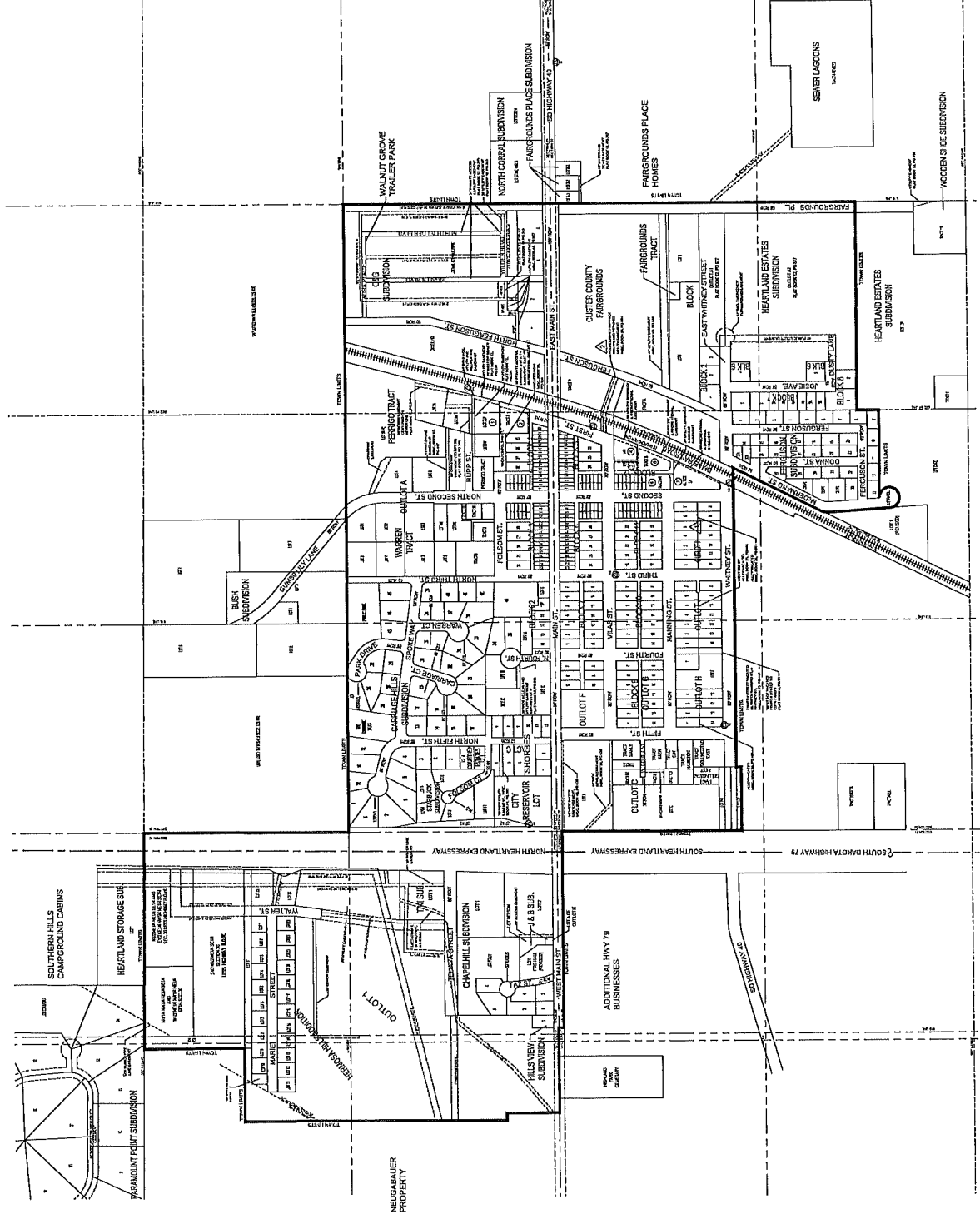
① CITY CONTROL NETWORK POINT

TRANSFORMED NETWORK COORDINATES

Symbol	Description
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THIS TABLE IS A REPRODUCTION OF THE DATA ISSUED BY THE ALLIANCE OF ARCHITECTS AND ENGINEERS, PROFESSIONAL SERVICE CONTROL NETWORK, DATED 4-5-2004.

DATA HAS NOT BEEN VERIFIED SINCE THE LAST FLOOD



NOTE: THIS MAP IS HERMOSA TOWN MAPS. THE TOWN OF HERMOSA TO BE SURE THAT THE RESERVE DATE ON THIS MAP IS THE MOST CURRENT MAPPING.



DENR
SOUTH DAKOTA

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

April 14, 2021

Ms. Vicki Henrichsen, Board President
Town of Hermosa
PO Box 298
Hermosa, SD 57744

Dear Ms. Henrichsen:

On March 25, 2021, the Board of Water and Natural Resources approved the placement of the Hermosa Drinking Water System project onto the State Water Facilities Plan. Please remember that placement of your project onto the State Water Facilities Plan provides no guarantee of funding. Placement on the State Water Facilities Plan only makes the project eligible to apply to the department's programs for funding consideration. Your project will remain on the State Water Facilities Plan through calendar year 2022.

All of the department's funding programs allow for pre-application meetings if needed. If you would like to visit with staff prior to completing the funding application for your project, please contact us and one will be arranged. Quarterly funding applications are due the 1st of January, April, July and October throughout the year.

If you have any questions about the State Water Planning process or about any of the funding applications, please contact Tyler Zettl at (605) 773-4216 or by e-mail at Tyler.Zettl@state.sd.us.

Congratulations on your placement onto the State Water Facilities Plan.

Sincerely,

Michael A. Perkovich, P.E.
Program Administrator
Environmental Funding Program

cc: Bill Lass, Black Hills Council of Local Governments, Rapid City
Zachary J. Grapentine, E.I., Interstate Engineering, Spearfish

RESOLUTION #2009-5 WATER RATE STRUCTURE

A RESOLUTION TO ESTABLISH WATER RATES AND CHARGES FOR THE MUNICIPALITY OF HERMOSA, CUSTER COUNTY, SOUTH DAKOTA.

BE IT RESOLVED by the Municipality of Hermosa, Custer County, South Dakota that the owners or occupants connected with the Hermosa Municipal Water System shall pay for water consumed at the following rates:

HERMOSA WATER RATES

GALLONS	HERMOSA WATER RATES			
	IN TOWN RESIDETIAL	IN TOWN COMMERCIAL	OUT OF TOWN RESIDENTIAL	OUT OF TOWN COMMERCIAL
0-3000	\$21.00	\$ 40.00	\$40.00	\$50.00
3001-4000	\$24.75	\$ 43.75	\$47.00	\$57.00
4001-5000	\$28.50	\$ 47.50	\$54.00	\$64.00
5001-6000	\$32.25	\$ 51.25	\$61.00	\$71.00
6001-7000	\$36.00	\$ 55.00	\$68.00	\$78.00
7001-8000	\$39.75	\$ 58.75	\$75.00	\$85.00
8001-9000	\$43.50	\$ 62.50	\$82.00	\$92.00
9001-10000	\$47.25	\$ 66.25	\$89.00	\$99.00
10001-11000	\$51.00	\$ 70.00	\$96.00	\$106.00
11001-12000	\$54.75	\$ 73.75	\$103.00	\$113.00
12001-13000	\$58.50	\$ 77.50	\$110.00	\$120.00
13001-14000	\$62.25	\$ 81.25	\$117.00	\$127.00
14001-15000	\$66.00	\$ 85.00	\$124.00	\$134.00
15001-16000	\$69.75	\$ 88.75	\$131.00	\$141.00
16001-17000	\$73.50	\$ 92.50	\$138.00	\$148.00
17001-18000	\$77.25	\$ 96.25	\$145.00	\$155.00
18001-19000	\$81.00	\$ 100.00	\$152.00	\$162.00
19001-20000	\$84.75	\$ 103.75	\$159.00	\$169.00

Each 1000 gallons thereafter shall be calculated at the rate of \$3.75 for in town residential users, \$3.75 for in town commercial users, \$7.00 for out of town residential users, and \$7.00 for out of town commercial users.

Dated this _____ day of _____, 2009

ATTEST:

TOWN OF HERMOSA

Shanna Harris
Finance Officer

Dan Holsworth
Town Board President

Vote: Holsworth
Kramer
Bruce
Boll
Paulson

First Reading: _____

Published: _____

**RESOLUTION #2009-6R
SEWER RATE STRUCTURE**

A RESOLUTION TO ESTABLISH THE SEWER RATES AND CHARGES FOR THE MUNICIPALITY OF HERMOSA, CUSTER COUNTY, SOUTH DAKOTA.

BE IT RESOLVED by the Municipality of Hermosa, Custer County, South Dakota that the owners or occupants connected with the Hermosa Municipal Sewer System shall pay for discharged sewer at the following rates:

HERMOSA SEWER RATES

GALLONS	HERMOSA SEWER RATES			
	IN TOWN RESIDENTIAL	IN TOWN COMMERCIAL	OUT OF TOWN RESIDENTIAL	OUT OF TOWN COMMERCIAL
0-3000	\$21.00	\$40.00	\$40.00	\$40.00
3001-4000	\$22.25	\$42.50	\$43.75	\$44.50
4001-5000	\$23.50	\$45.00	\$47.50	\$49.00
5001-6000	\$24.75	\$47.50	\$51.25	\$53.50
6001-7000	\$26.00	\$50.00	\$55.00	\$58.00
7001-8000	\$27.25	\$52.50	\$58.75	\$62.50
8001-9000	\$28.50	\$55.00	\$62.50	\$67.00
9001-10000	\$29.75	\$57.50	\$66.25	\$71.50
10001-11000	\$31.00	\$60.00	\$70.00	\$76.00
11001-12000	\$32.25	\$62.50	\$73.75	\$80.50
12001-13000	\$33.50	\$65.00	\$77.50	\$85.00
13001-14000	\$34.75	\$67.50	\$81.25	\$89.50
14001-15000	\$36.00	\$70.00	\$85.00	\$94.00
15001-16000	\$37.25	\$72.50	\$88.75	\$98.50
16001-17000	\$38.50	\$75.00	\$92.50	\$103.00
17001-18000	\$39.75	\$77.50	\$96.25	\$107.50
18001-19000	\$41.00	\$80.00	\$100.00	\$112.00
19001-20000	\$42.25	\$82.50	\$103.75	\$116.50

Each 1000 gallons thereafter shall be calculated at the rate of \$1.25 for in town residential users, \$2.50 for in town commercial users, \$3.75 for out of town residential users, and \$4.50 for out of town commercial users.

Published once at the approximate cost of _____.

Dated this ____ day of _____, 2009

ATTEST:

TOWN OF HERMOSA

Shanna Harris
Finance Officer

Dan Holsworth
Town Board President

Vote: Unanimous.
First Reading:
Published:

September 1st, 2009
October 7th, 2009

Grading / Digging Permit + Review (If Required)	35.00	
Single Residential Review by Engineer	At Cost	
Commercial Review by Engineer	At Cost	
Subdivision Review by Engineer	At Cost	

Inspection Services by Town Engineer		
Residential	At Cost	
Commercial	At Cost	
Deposit Requirement for Non-compliance Inspection	At Cost	
* non-compliance work billed at engineer's hourly rate	90.00	(up to \$165 ph)

Plat/Subdivision Application + Review (If Required)		
Application Permit	75.00	
Professional Review-Single/Multiple Lots (Prelim. & Final)	At Cost	
Sewer Tap Fees: <i>Non-refundable</i> SEWER TAP APPLICATION	<i>50.00</i>	
Residential	600.00	
Commercial	850.00	
Water Tap Fees:		
3/4" size pipe Residential	250.00	
1" size pipe Residential	375.00	
1 1/2" size pipe Residential	500.00	
2" size pipe Residential	750.00	
3/4" size pipe Commercial	500.00	
1" size pipe Commercial	750.00	
1 1/2" size pipe Commercial	1,000.00	
2" size pipe Commercial	1,500.00	
Utility Rates		
Residential In-Town Water	21.00	3.75
Residential Out-Town Water	40.00	7.00
Commercial In-Town Water	40.00	3.75
Commercial Out-Town Water	50.00	7.00
Residential In-Town Sewer	21.00	1.25
Residential Out-Town Sewer	40.00	3.75
Commercial In-Town Sewer	40.00	2.50
Commercial Out-Town Sewer	40.00	4.50
Garbage (per Toter)	19.00	

Water/Sewer Taps- Other towns

Town		Water Tap	Sewer Tap
Hill City	Residential	\$1,000.00	\$1,000.00
	Commercial	\$2,000.00	\$2,000.00
Custer	1 inch	\$500.00	\$300.00
	1 1/2 inch	\$1,000.00	\$600.00
	2 inch	\$2,000.00	\$1,200.00
	Over 2 inch	Determined by Public Work Dir.	
Sturgis	1" Tap w/3/4" meter	\$650.00	\$400.00
	1" Tap w/1" meter	\$725.00	The majority of the water tap fee is to cover the cost of the fittings (saddle,corp, labor and meter assembly)
	1 1/2" Tap	\$2,000.00	
	2" Tap	\$2,500.00	
	3" Tap	\$2,750.00	
	4" Tap	\$4,000.00	
6" Tap	\$6,500.00		
Keystone	Residential	\$1,000.00	\$1,000.00
	Commercial	\$2,000.00	\$2,000.00