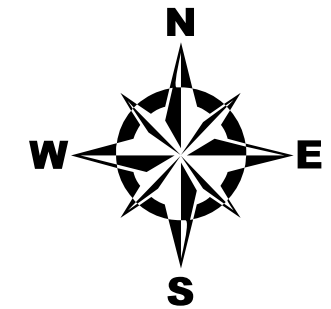


**AGENDA**  
**Mobridge City Council**  
**Special Meeting**  
**Monday February 26, 2024 5:30 P.M.**  
**Mobridge City Hall**

1. Call to Order & Roll Call
2. Pledge of Allegiance
3. Discussion regarding funding application for the proposed wastewater treatment plant project
4. Adjournment

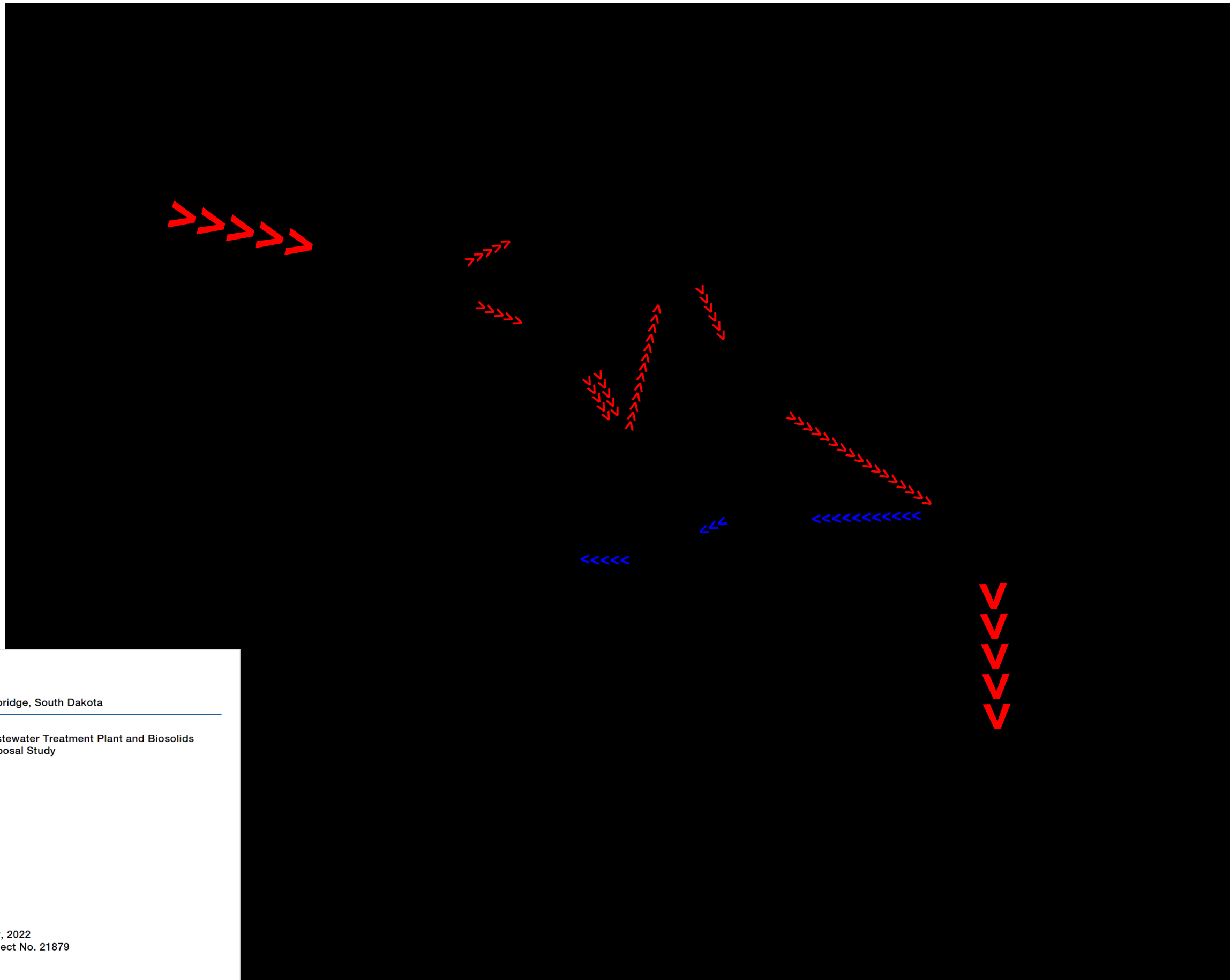
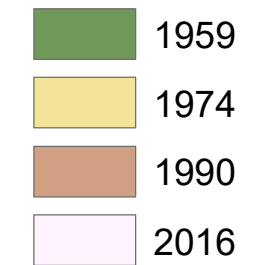
# Existing Conditions Mobridge Wastewater Treatment Plant Structure Layout



## Legend

### WWTP Structures

#### Year\_Original



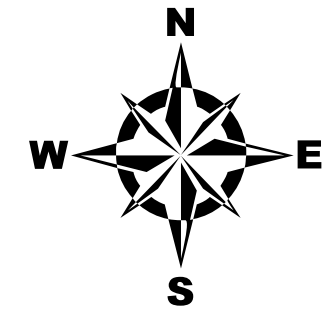
Mobridge, South Dakota

Wastewater Treatment Plant and Biosolids  
Disposal Study

July, 2022  
Project No. 21879



# Alternative 1 - Full Project Mobridge Wastewater Treatment Plant Proposed Structure Layout



## Legend

### Type

- Existing
- Abandon
- Convert
- New

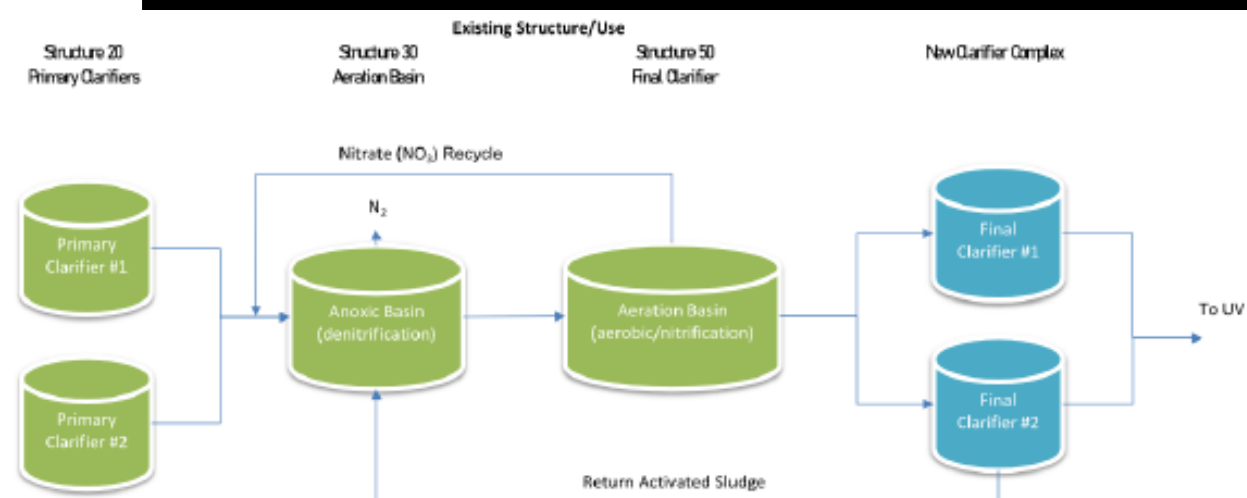
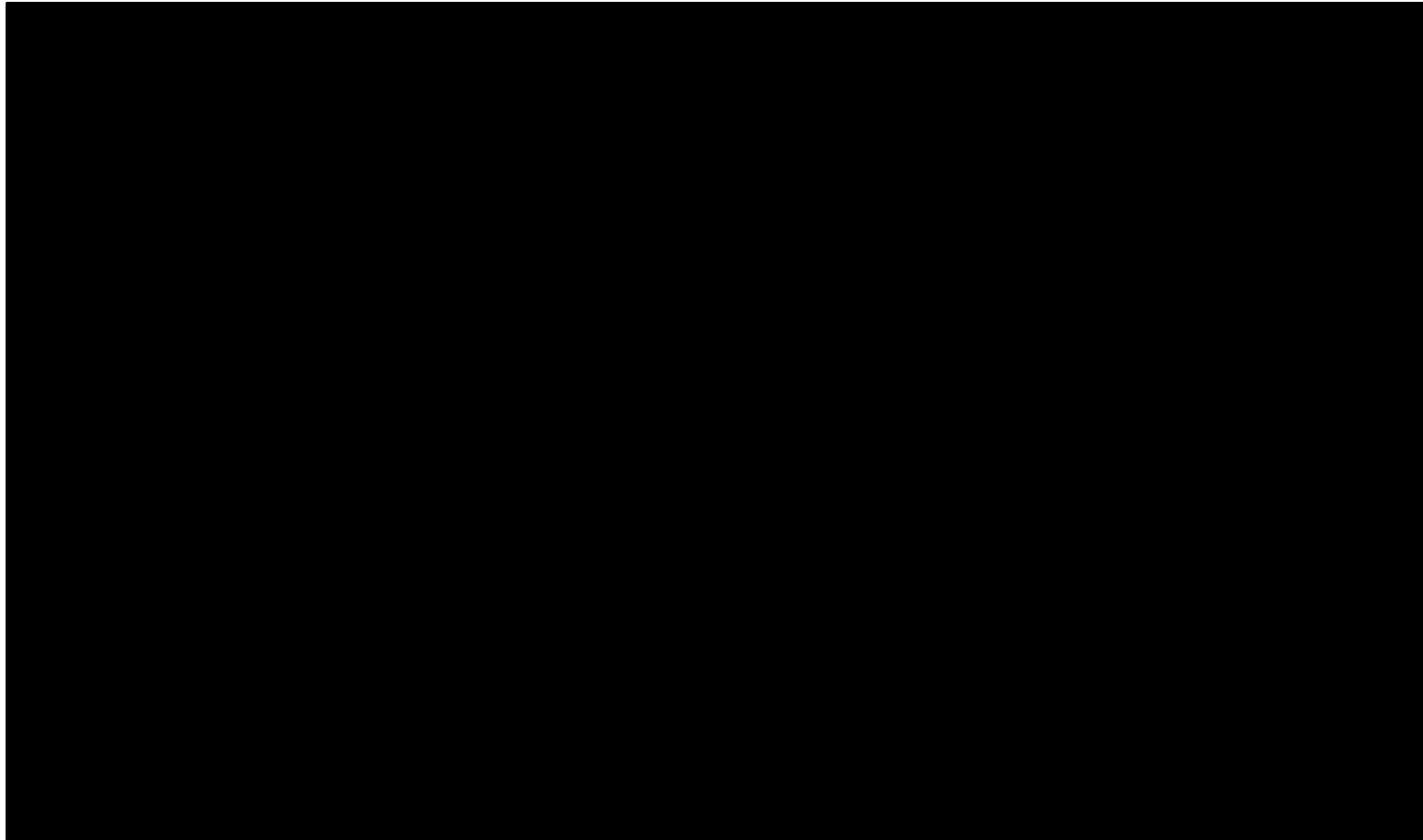
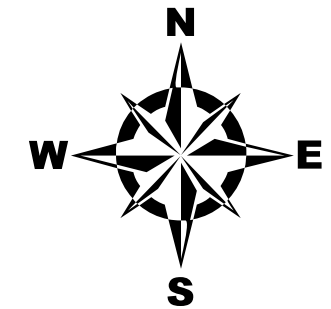
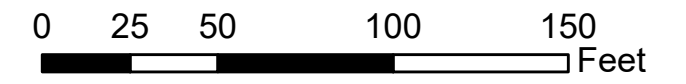


Figure 1: Alternative A2 Process Block Diagram

# Alternative 2 - Phased Approach

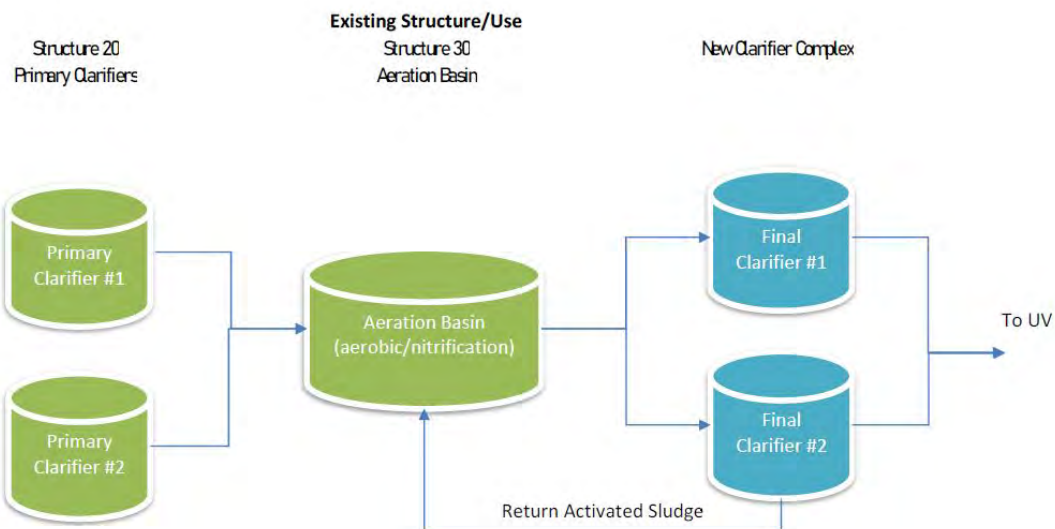
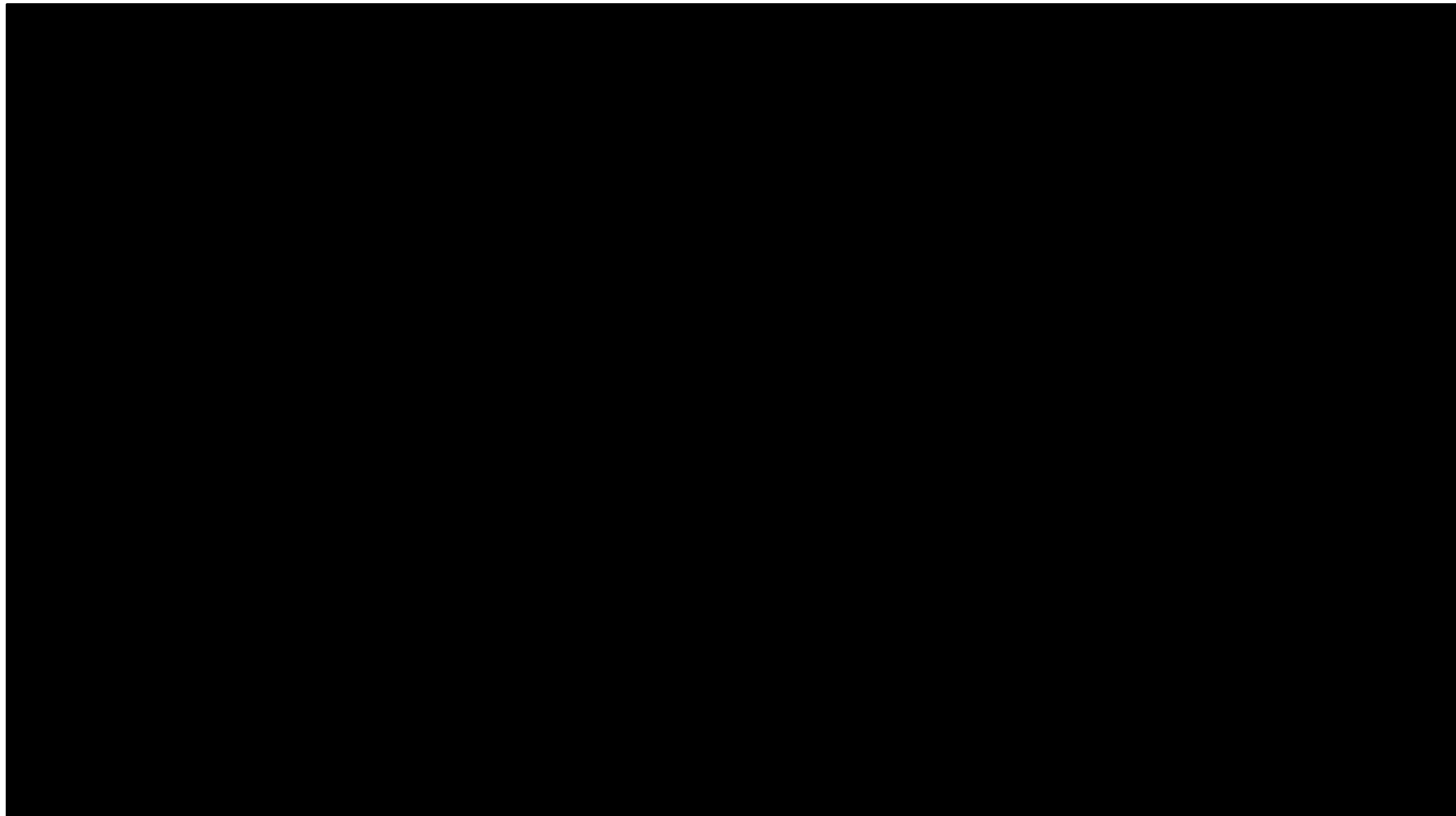
## Mobridge Wastewater Treatment Plant Proposed Structure Layout



### Legend

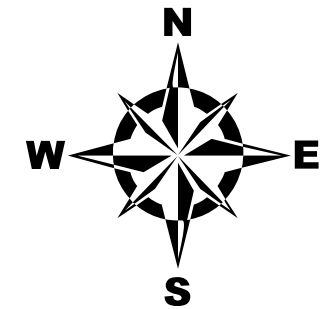
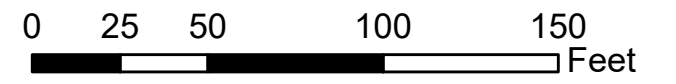
#### Type

- Existing
- Abandon
- Convert
- New



# Alternative 3 - Phased Approach W/ No Sludge Dewatering

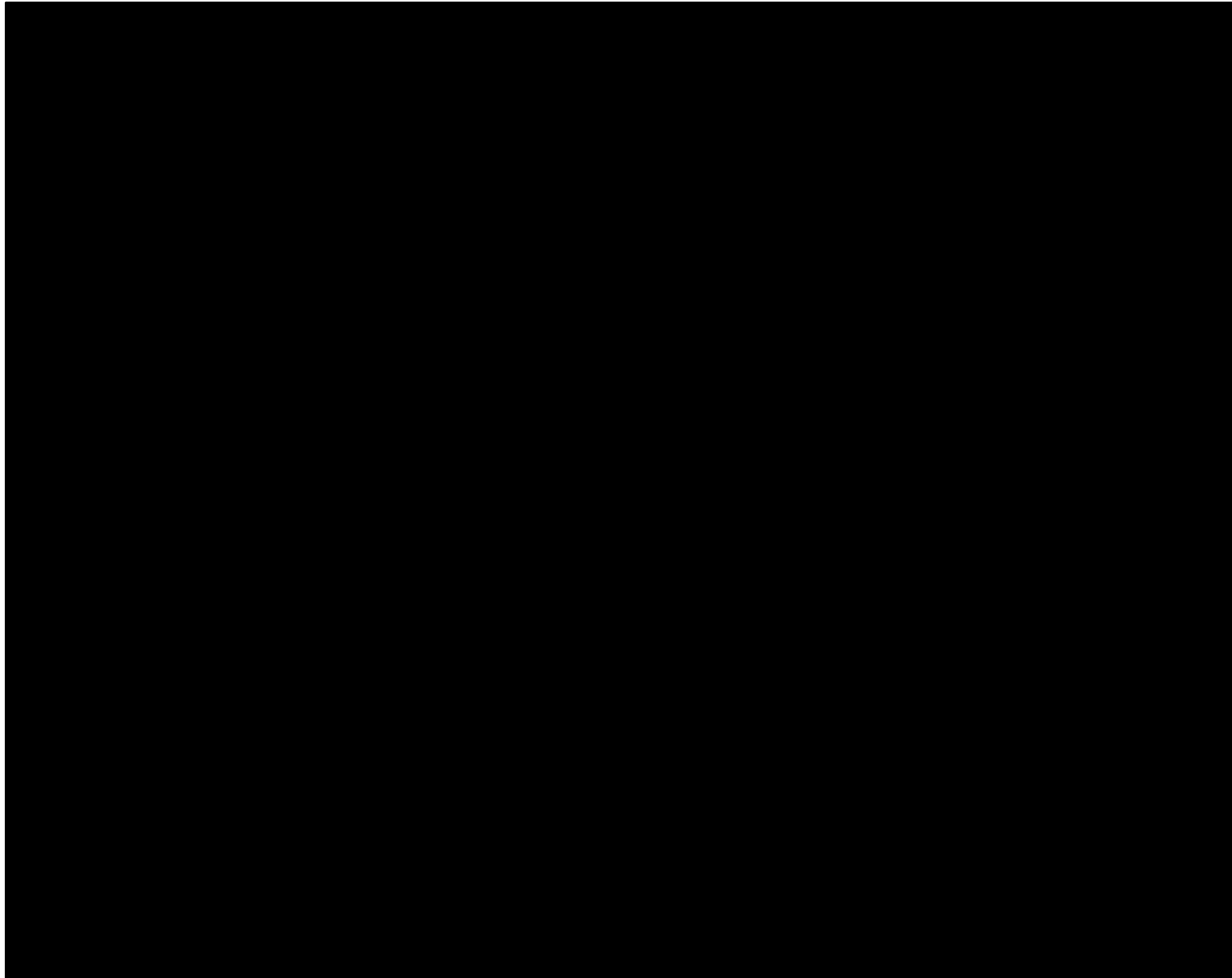
## Mobridge Wastewater Treatment Plant Proposed Structure Layout



### Legend

#### Type

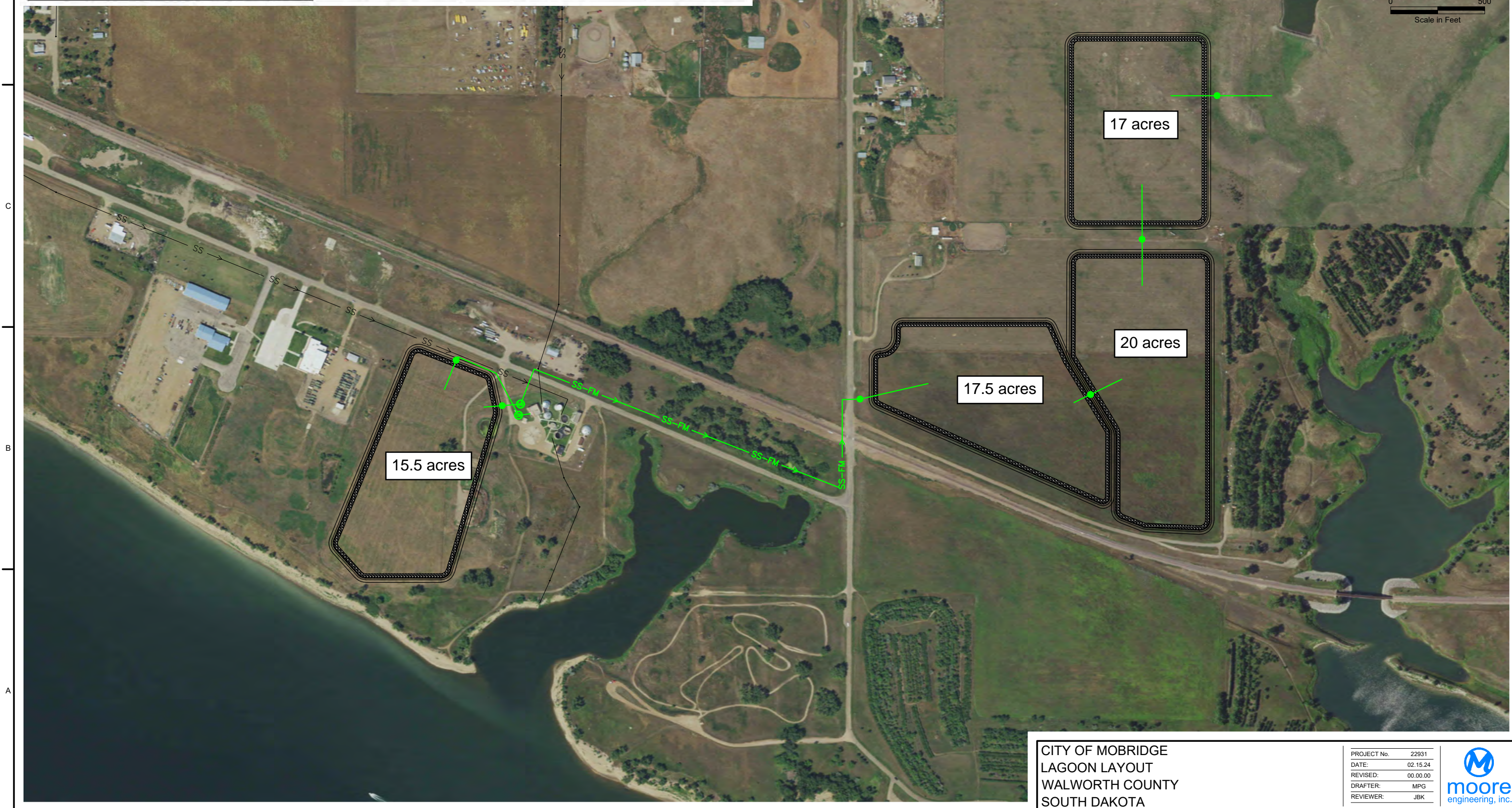
-  Existing
-  Abandon
-  Convert
-  New



# Alternative 4 - Treatment Lagoons

Assumptions: 30 years @ 3.75%, 1672 Users

| Scenario | Repayment Scenarios |                 |                     |                           |               |
|----------|---------------------|-----------------|---------------------|---------------------------|---------------|
|          | Grant               | Loan            | Yearly Loan Payment | Yearly Loan Reserve (10%) | \$/Month/User |
| 1        | \$0 Grant           | \$14,500,000.00 | \$813,305.00        | \$894,635.50              | \$44.59       |
| 2        | \$1.0 M Grant       | \$13,500,000.00 | \$757,215.00        | \$832,936.50              | \$41.51       |
| 3        | \$2.0 M Grant       | \$12,500,000.00 | \$701,125.00        | \$771,237.50              | \$38.44       |
| 4        | \$3.0 M Grant       | \$11,500,000.00 | \$645,035.00        | \$709,538.50              | \$35.36       |



CITY OF MOBRIDGE  
LAGOON LAYOUT  
WALWORTH COUNTY  
SOUTH DAKOTA

PROJECT No. 22931  
DATE: 02.15.24  
REVISED: 00.00.00  
DRAFTER: MPG  
REVIEWER: JBK



|                             | # of users  | Ave Use | Multiplier | Total            | # of Month | Yearly Rev. Gen.  |
|-----------------------------|-------------|---------|------------|------------------|------------|-------------------|
| Domestic (In Town)          | 1380        | 5,000   | \$ 23.00   | \$ 31,740        | 12         | \$ 380,880        |
| Business (In Town)          | 217         | 5,000   | \$ 23.00   | \$ 4,991         | 12         | \$ 59,892         |
| Domestic (Out of Town)      | 75          | 5,000   | \$ 23.00   | \$ 1,725         | 12         | \$ 20,700         |
| Business (Out of Town)      |             | 5,000   | \$ 23.00   | \$ -             | 12         | \$ -              |
| Hotels                      |             | 5,000   |            |                  |            |                   |
| Wastewater Availability Fee |             | 5,000   | 10.00      |                  |            |                   |
| <b>TOTAL</b>                | <b>1672</b> |         |            | <b>\$ 38,456</b> |            | <b>\$ 461,472</b> |

|           | Loan Amount     | Rate   | Term | Monthly      | Yearly        | 110% Debt Capacity |
|-----------|-----------------|--------|------|--------------|---------------|--------------------|
| DANR Loan | \$ 7,350,000.00 | 3.750% | 30   | \$ 34,039.00 | \$ 408,468.00 | \$ 449,314.80      |

CDBG is \$1,020,000 grant

|                                  | Each \$ represents | Current Rate      | Proposed Increase | Total Increase       |
|----------------------------------|--------------------|-------------------|-------------------|----------------------|
| Amount needed to increase        | \$ 1.00            | \$ 23.00          | \$ 22.50          | \$ 45.50             |
| Domestic Users (In Town)         | 1380               | 1380              | 1380              | \$ 1,380.00          |
| Monthly Increase                 | \$ 1,380           | \$ 31,740         | \$ 31,050         | \$ 62,790.00         |
| Yearly Increase                  | \$ 16,560          | \$ 380,880        | \$ 372,600        | \$ 753,480.00        |
| Business Users (In Town)         | 217                | 217               | 217               | \$ 434.00            |
| Monthly Increase                 | \$ 217             | \$ 4,991          | \$ 4,883          | \$ 9,873.50          |
| Yearly Increase                  | \$ 2,604           | \$ 59,892         | \$ 58,590         | \$ 118,482.00        |
| Domestic Users (Out Of Town)     | 75                 | 75                | 75                | \$ 150.00            |
| Monthly Increase                 | \$ 75              | \$ 1,725          | \$ 1,688          | \$ 3,412.50          |
| Yearly Increase                  | \$ 900             | \$ 20,700         | \$ 20,250         | \$ 40,950.00         |
| Business Users (Out Of Town)     | 0                  | 0                 | 0                 | \$ -                 |
| Monthly Increase                 | \$ -               | \$ -              | \$ -              | \$ -                 |
| Yearly Increase                  | \$ -               | \$ -              | \$ -              | \$ -                 |
| <b>Total Yearly Net Increase</b> | <b>\$ 20,064</b>   | <b>\$ 461,472</b> | <b>\$ 451,440</b> | <b>\$ 912,912.00</b> |

\$ 8.5 mil  
 \$22.50  
 Full CDBG  
 \$6.5 mil  
 \$16.50  
 Full CDBG  
 \$4.5 mil  
 \$2.50  
 1/2 CDBG

\* Mddridge will not be awarded any more grant funding due to extremely low ww rates.

\* Communities given any subsidy is at a minimum \$60 / 5,000 gal. - currently need \$65 / 5,000 gal + \$70 - ↑