



GENERAL SERVICES COMMITTEE
420 N Front St.
Suttons Bay, MI 49682
Tuesday, October 4, 2022 at 8:30 am

For the public wishing to view the meeting using remote attendance, there will also be a Zoom link (which can be found on our website at www.suttonsbayvillage.org). Public participation shall be limited to in-person or via written communication received prior to the meeting

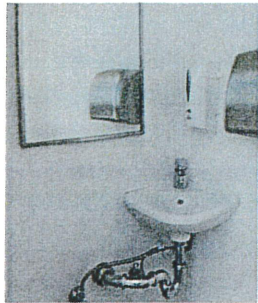
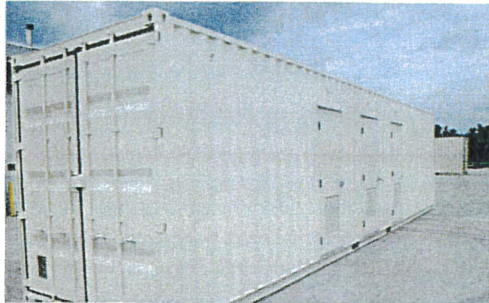
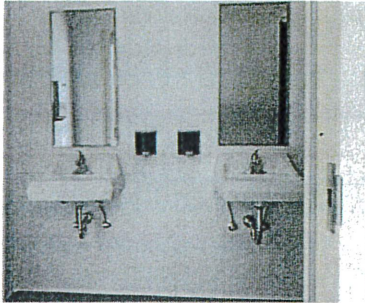
AGENDA

Call to Order

1. Reports (staff)
 - a. DPW Director Report
2. Public Comments
Please limit remarks to no more than three (3) minutes or less.
3. Committee Business
 - a. Jared Pontius Presentation-Container Bathrooms
 - b. VSB Report 2022-57 Pavilion Coal Dock Park
 - c. VSB Report 2022-58 Waterwheel Cost Estimates
 - d. 2023 Draft Budget-Preliminary Review
4. Status Update – Other Committees
 - a. 2023 Draft Budget-Preliminary Review
5. Public Comments/Written Communication
6. Committee Member Comments
7. Announcements
8. Adjournment

Thanks for reaching out to BoxPop and my apologies on the delayed response. I would love to help out here and can start by providing some answers to your questions:

1. What is the maximum number of restroom units per container? For the 20' containers we can provide up to four and for the 40' units, we can get up to seven restrooms.
2. Pricing, of course. Pricing ranges from about \$65K - \$95K for base pricing depending on the size and options selected.
3. Can these be made with either gas or electric heat so that they may be used through the winter months? They can be made with either, and they may be used through winter if properly cared for.
4. Would there be any issue with pumping clean during the winter? Not at all, many of our clients winterize them.
5. Can we get a breakdown on pricing of all available amenities that the containers may be built with (design wrap, heating, etc) Let me know if you would like to hop on a call to discuss this so I can make sure we are pricing the right options.
6. What is the size of waste tank? Any and all information you have on bathroom units would be appreciated. We do not work with units that have waste tanks unfortunately due to the code requirements for storage. Our units require a connection to sanitary or septic.

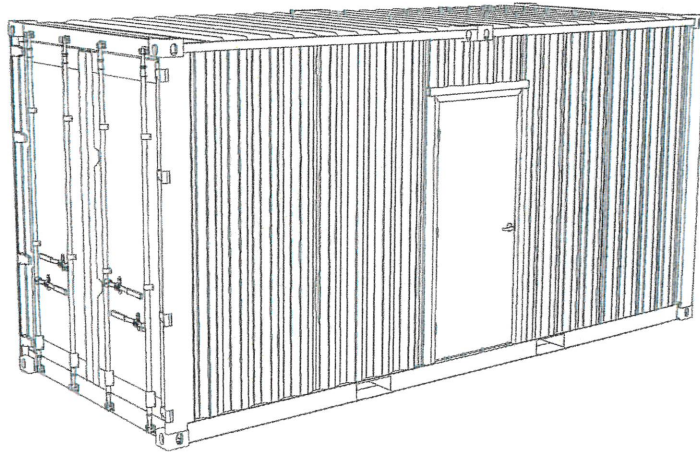


PRODUCT NAME
20' MEN'S RESTROOM CONTAINER

JOB ITEM NUMBER: 000000000-000

| DRAWING SCHEDULE | | |
|------------------|---------|--------------------------------|
| PAGE | SHEET # | DESCRIPTION |
| C1 | 1 | COVER |
| A1 | 2 | ASSEMBLY (EXTERIOR ELEVATIONS) |
| D1 | 3 | DETAIL (FLOOR PLAN) |

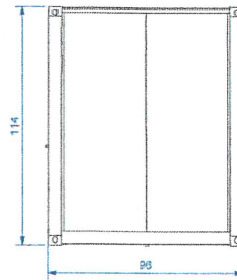
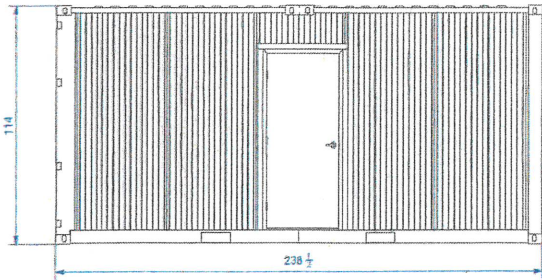
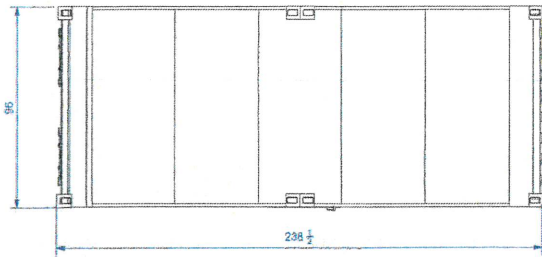
NOTE: ALL WALLS AND CEILING TO HAVE FRP PANELING FLOOR TO HAVE RESILIENT ROLLED GFLOORING



| | | | | | | |
|---|-------------------------------|--------------------------|-----------------------|--------------------------------------|---------------------|--------------|
| CLIENT LAGOONFEST | ACCOUNT MANAGER MATT EGAN | DATE 03/09/2021 | SCALE NOT TO SCALE | REV. DESCRIPTION DATE | PRODUCT BOXPOP | SHEET NUMBER |
| PROJECT 20' MEN'S RESTROOM CONTAINER | PROJECT MANAGER SAVANNA W. | DRAWING BY MAX ARBURY | DRAWING NUMBER 1 | 1 ORIGINAL DESIGN RELEASE 03/09/2021 | SHEET NAME COVER | C1 |



PLEASE NOTE: CONCEPTS PROVIDED ARE NOT FINAL BUILD DESIGNS. ENGINEERING DRAWINGS OR RENDERINGS MAY VARY BASED ON COST, SCOPE OR EXECUTION TIMELINE AND WILL BE SUBJECT TO FINAL CUSTOMER APPROVAL. THE DESIGN AND SPECIFICATIONS CONTAINED WITHIN THIS DOCUMENT WILL REMAIN THE LEGAL PROPERTY OF BRITTEN INC. UNTIL SUCH A TIME WHEN A LEGAL AGREEMENT IS ENTERED INTO WITH THE CLIENT AND FINISH ESTIMATOR. RECEIVED: ONE AGREED UPON COMPROMISE FOR THE DESIGN AND SPECIFICATIONS.

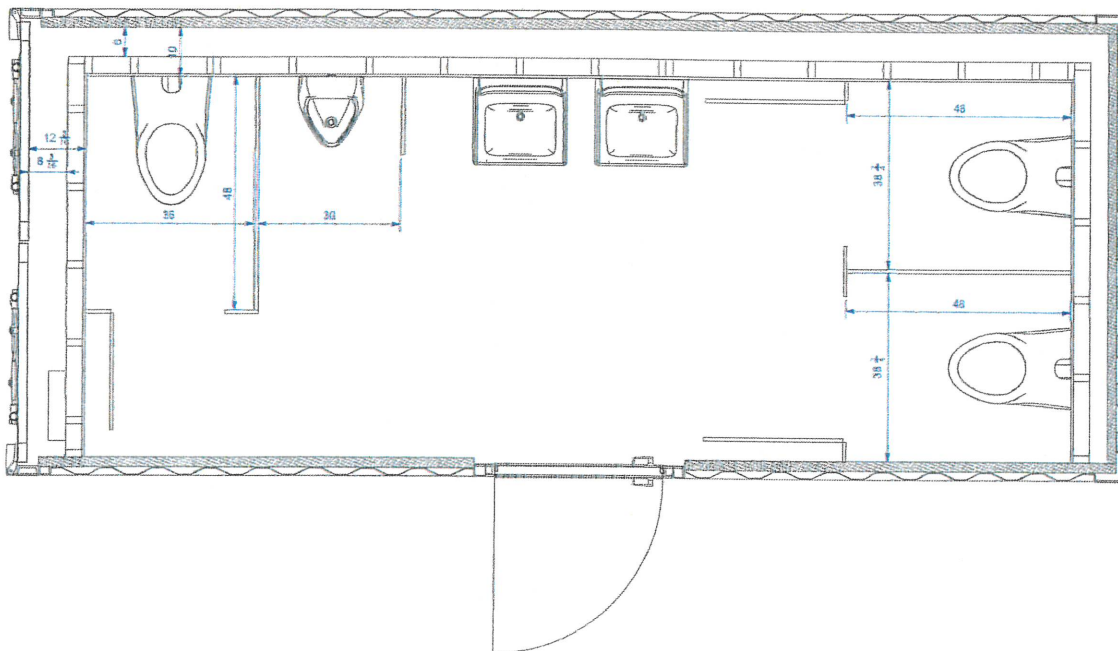


A ASSEMBLY - EXTERIOR ELEVATIONS
A1 QTY (1-EA)

| | | | | | | | | | |
|---|-------------------------------|--------------------------|-----------------------|----------|--|--------------------|-------------------|--------------------------|--------------------|
| CLIENT LAGOONFEST | ACCOUNT MANAGER MATT EGAN | DATE 03/09/2021 | SCALE NOT TO SCALE | REV 1 | DESCRIPTION ORIGINAL DESIGN RELEASE | DATE 03/09/2021 | PRODUCT BOXPOP | SHEET NUMBER ASSEMBLY | SHEET NUMBER A1 |
| PROJECT 20' MEN'S RESTROOM CONTAINER | PROJECT MANAGER SAVANNA W. | DRAWING BY MAX ARBURY | DRAWING NUMBER 2 | | | | | | |

PLEASE NOTE: CONCEPTS PROVIDED ARE NOT FINAL BUILD DESIGNS. ENGINEERING DRAWINGS OR RENDERINGS MAY VARY BASED ON COST, SCOPE OR EXECUTION TIMELINE AND WILL BE SUBJECT TO FINAL CUSTOMER APPROVAL. THE DESIGN AND SPECIFICATIONS CONTAINED WITHIN THIS DOCUMENT WILL REMAIN THE LEGAL PROPERTY OF BRITTON INC. UNLESS A WRITTEN AGREEMENT IS ENTERED INTO WITH THE CLIENT AND WHEN BRITTON INC. RECEIVES THE APPLICABLE COMPLETION FOR THE DESIGN AND SPECIFICATIONS.





1
D1 DETAIL - FLOOR PLAN

| | | | | | | | |
|---|-------------------------------|--------------------------|-----------------------|------|-------------------------|------------|----------------------|
| CLIENT LAGOONFEST | ACCOUNT MANAGER MATT EGAN | DATE 03/09/2021 | SCALE NOT TO SCALE | REV. | DESCRIPTION | DATE | PRODUCT BOXPOP |
| PROJECT 20' MEN'S RESTROOM CONTAINER | PROJECT MANAGER SAVANNA W. | DRAWING BY MAX ARBURY | DRAWING NUMBER 3 | 1 | ORIGINAL DESIGN RELEASE | 03/09/2021 | SHEET NAME DETAIL |
| | | | | | | | SHEET NUMBER D1 |

PLEASE NOTE: CONCEPTS PROVIDED ARE NOT FINAL BUILD DESIGNS. ENGINEERING DRAWINGS OR RENDERINGS MAY VARY BASED ON COST, SCOPE OR EXECUTION TIMELINE AND WILL BE SUBJECT TO FINAL CUSTOMER APPROVAL. THE DESIGN AND SPECIFICATIONS CONTAINED WITHIN THIS DOCUMENT SHALL REMAIN THE LEGAL PROPERTY OF BRITTEN AND UNLESS A WRITTEN AGREEMENT IS ENTERED INTO WITH THE CLIENT AND BRITTEN, INC. RESERVES THE ABILITY FOR CONSENTATION FOR THE DESIGN AND SPECIFICATIONS.





1/7/22

Jared Pontius

Village of Suttons Bay

RE: BoxPop Bathroom Proposal

Dear Jared,

Thanks for giving us the opportunity to provide some preliminary concepts and ideas for your public bathroom, we are very excited to be able to be presenting a proposal on this project.

20' Unisex Bathroom Container:

- 20' long - Single-trip, high-cube shipping container.
- Full custom paint system on the exterior matched to customer requirements.
- Man-door openings fabricated into container for new entrances to bathrooms.
- Floor openings made on one end of container for water, gas and electrical entrance.
- Insulated perimeter walls with vinyl wall panels.
- Insulated divider walls comprised of wood studs, batt insulation and vinyl wall panels to separate bathrooms.
- Seamless vinyl flooring throughout
- In-wall plumbing rough-in to include pro-pex water piping and PVC drain piping.
- Plumbing trim to include (2) separate non-ADA restrooms, and (1) ADA restroom.
- Exhaust Fans in each room.
- Electrical panel, GFCI receptacles, and LED lighting throughout.
- Mechanical split system for heating and cooling.
- Hauling and delivery to project site.
 - Shipping is an estimate at this time, we used an elevated shipping rate based on the current market.
- Full shop drawings and engineering services.



Shipping:

Included

- Each truck can fit (1) 40' or (2) 20' Units.
- Hauling and logistics to jobsite using licensed hauling partner.
- Unloading of truck is excluded.

Exclusions:

- Stand-alone generators.
- Stamped architectural or MEP design drawings.
- Final power/utilities hook up.
- Building permits.
- Sales Tax
- Trailer for unit hauling.

Total Investment:

\$74,160

Alternates:

1. Custom Signage: **\$ TBD**
2. To add a rooftop deck to 20' unit: **\$ 23,881**

Payment / Financing Options

- 50% down payment.
- Balance due net 30 days after delivery.

Timeline Considerations

- 2 Weeks for Shop Drawings.
- 8-10 Weeks for fabrication time from final approval.

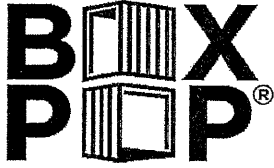
Thank you again for the opportunity to provide this proposal to your team and as previously discussed, we can rework this proposal and design to be flexible to your team's budget. Ultimately, we want to be your go-to partner to be there to build up your brand and company.



MATT EGAN
VP, SPECIALTY CONTRACTING
W: 231.941.8200 | M: 708.299.4122



Approval to Proceed: _____ Date: _____



Project: Suttons Bay Public Bathroom
 Location: Suttons Bay , MI

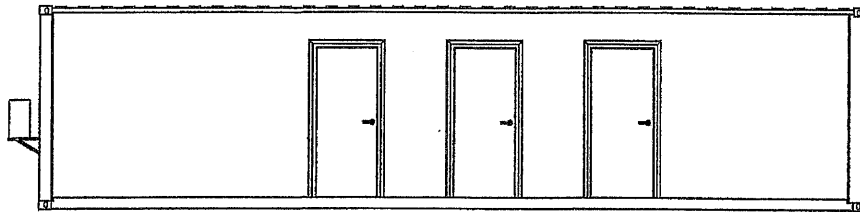
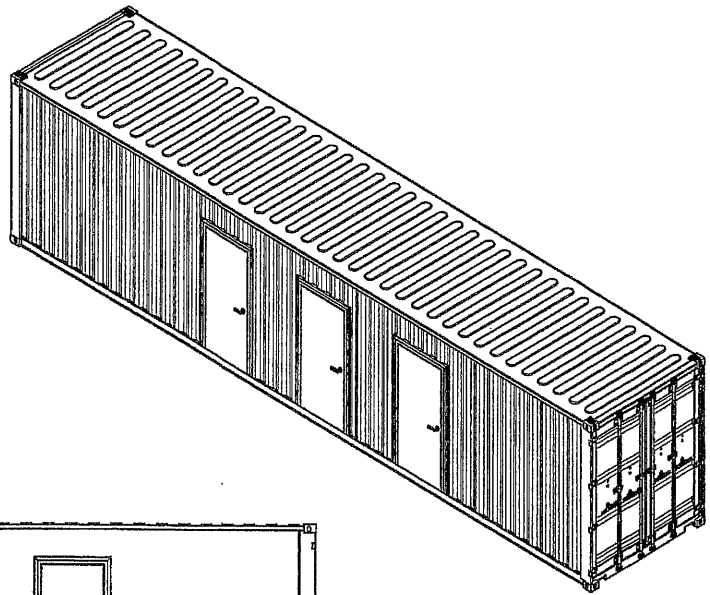
Date: 1/7/22

Budget Summary

| Line | Trade | Cost |
|------|--|------------------|
| 1 | - Base Containers and Engineering | \$ 12,285 |
| 2 | - Fabrication | \$ 2,085 |
| 3 | - Paint Department | \$ 4,030 |
| 4 | - Assembly | N/A |
| 5 | - Millwork | N/A |
| 6 | - Bar and Kitchen Equipment | N/A |
| 7 | - Wall Systems | \$ 13,666 |
| 8 | - Print Department | N/A |
| 9 | - Doors, Frames and Hardware | \$ 5,792 |
| 10 | - Glass and Glazing | \$ 1,677 |
| 11 | - Flooring Systems | \$ 1,183 |
| 12 | - Ceramic Tile | N/A |
| 13 | - Appliances | N/A |
| 14 | - Furniture | N/A |
| 15 | - Plumbing | \$ 15,074 |
| 16 | - Mechanical | \$ 12,727 |
| 17 | - Electric | \$ 5,512 |
| 18 | - Accessories | N/A |
| 19 | - Hauling / Logistics | \$ 130 |
| 20 | - Rental Equipment | N/A |
| 21 | - Building Permits | Excluded |
| 22 | Subtotal Direct Costs | \$ 74,160 |
| 23 | - General Conditions | Included |
| 24 | - General Liability Insurance | Included |
| 25 | Subtotal Directs, GCs, Insurance | \$ 74,160 |
| 26 | - Overhead & Profit | Included |
| 27 | Subtotal Directs, GCs, Insurance, OH&P | \$ 74,160 |
| 28 | - Project Contingency | Excluded |
| 29 | TOTAL | \$ 74,160 |

SCOPE OF WORK

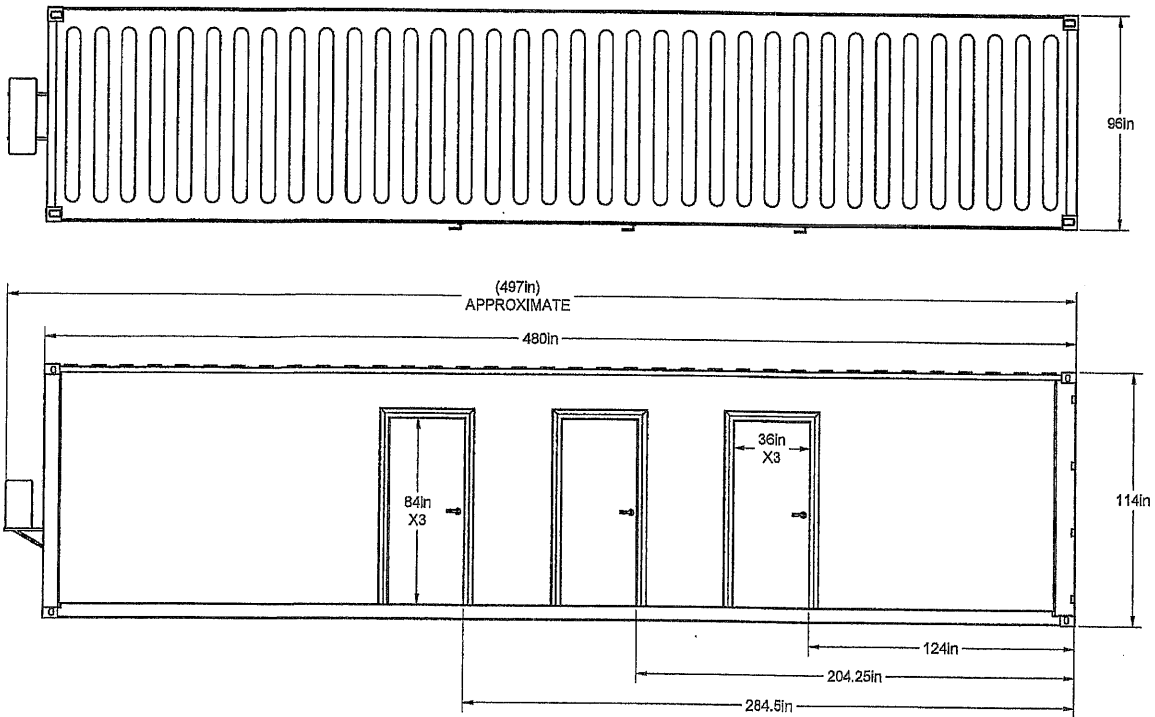
- 1) 40' SINGLE TRIP HIGH CUBE ISO CONTAINER
- 2) WOMENS RESTROOM INCLUDING: 3 TOILETS, 2 SINKS
- 3) ADA/UNISEX RESTROOM INCLUDING: 1 TOILET, 1 SINK
- 4) MENS RESTROOM INCLUDING: 2 TOILETS, 2 URINALS, 1 SINK
- 5) MECHANICAL/ELECTRICAL/PLUMBING (MEP) CHASE
- 6) 100A ELECTRICAL PANEL
- 7) NATURAL GAS FIRED HOT WATER HEATER
- 8) PLUMBING TERMINATION FOR FRESH AND WASTE WATER, LOCATION AS SHOWN
- 9) ADA RAMP
- 10) HVAC MINI SPLIT SYSTEM
- 11) VENT FANS ON OCCUPANCY SWITCH
- 12) LED LIGHTS ON OCCUPANCY SWITCH
- 13) CONVENIENCE OUTLETS
- 14) PAINT COLOR TBD PER CUSTOMER
- 15) CUSTOM LOGO TBD PER CUSTOMER
- 16) ADA GRAB BAR AT TOILET
- 17) RESILIENT GRAY VINYL FLOORING
- 18) POLYSTYRENE INSULATION
- 19) CLEANABLE FRP WALL & CEILING SURFACES
- 20) BATHROOM STALL DIVIDERS AS SHOWN, COLOR: BLACK W/ WHITE SPECKLES
- 21) 3X STEEL EXTERIOR DOORS
- 22) MIRRORS ABOVE SINK LOCATIONS



| | | | | | | | |
|-------------------------|----------------------------|-----------------------------|-----------------------|-----|----------------------|-----------|-------------------------|
| CLIENT VIRTUE CIDER | ACCOUNT MANAGER C PENNY | DRAWN DATE 4/14/2021 | SCALE 1:100 | REV | DESCRIPTION | DATE | PRODUCT 40' RESTROOM |
| PROJECT Virtue Cider | PROJECT MANAGER C PENNY | DRAWN BY Nathan Bildeaux | DRAWING NUMBER --- | A | ORIGINAL RELEASE | 4/14/2021 | SHEET NAME OVERVIEW |
| | | | | B | CONFIGURATION CHANGE | 4/21/2021 | SHEET # 1/4 |



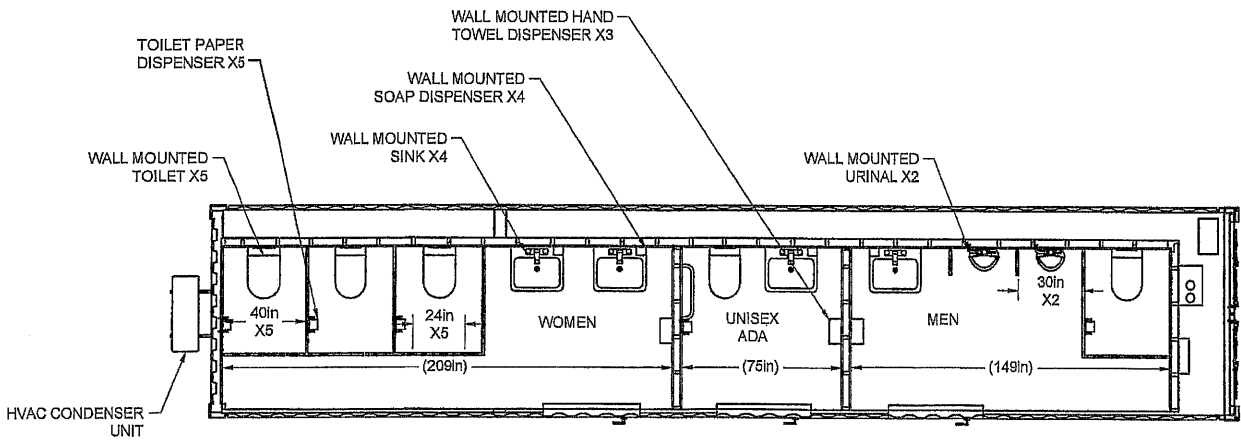
PLEASE NOTE, CONCEPTS PROVIDED ARE NOT FINAL BUILD DESIGNS. ENGINEERING DRAWINGS OR RENDERINGS MAY VARY BASED ON COST, SCOPE, OR EXECUTION TIMELINE AND WILL BE SUBJECT TO FINAL CUSTOMER APPROVAL. THE DESIGNS AND SPECIFICATIONS WITHIN THIS DOCUMENT WILL REMAIN THE LEGAL PROPERTY OF BRITTEN INC UNLESS SUCH A TIME WHEN LEGAL AGREEMENT IS ENTERED INTO WITH THE CLIENT AND WHEN BRITTEN INC RECEIVES THE AGREED UPON COMPENSATION FOR THE DESIGNS AND SPECIFICATIONS.



| | | | | | | | |
|-------------------------|----------------------------|-----------------------------|------------------------|-----|----------------------|-----------|-------------------------|
| CLIENT VIRTUE CIDER | ACCOUNT MANAGER C PENNY | DRAWN DATE 4/14/2021 | SCALE 1:100 | REV | DESCRIPTION | DATE | PRODUCT 40' RESTROOM |
| PROJECT Virtue Cider | PROJECT MANAGER C PENNY | DRAWN BY Nathan Bildeaux | DRAWING NUMBER ---- | A | ORIGINAL RELEASE | 4/14/2021 | SHEET NAME DETAILS |
| | | | | B | CONFIGURATION CHANGE | 4/21/2021 | SHEET # 2/4 |



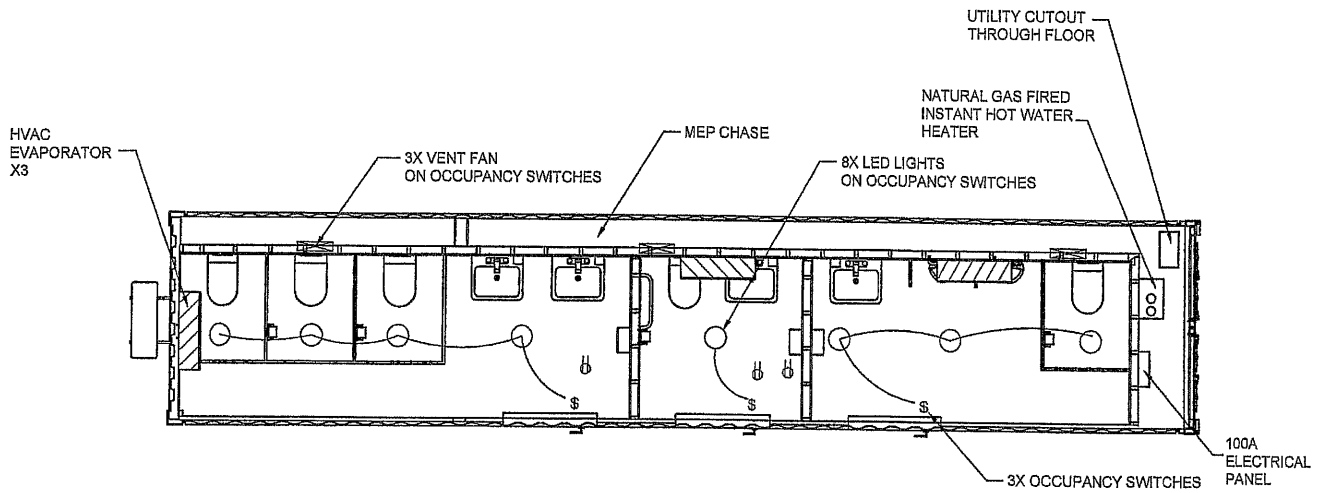
PLEASE NOTE, CONCEPTS PROVIDED ARE NOT FINAL BUILD DESIGNS. ENGINEERING DRAWINGS OR RENDERINGS MAY VARY BASED ON COST, SCOPE, OR EXECUTION TIMELINE AND WILL BE SUBJECT TO FINAL CUSTOMER APPROVAL. THE DESIGNS AND SPECIFICATIONS WITHIN THIS DOCUMENT WILL REMAIN THE LEGAL PROPERTY OF BRITTEN INC UNTIL SUCH A TIME WHEN LEGAL AGREEMENT IS ENTERED INTO WITH THE CLIENT AND WHEN BRITTEN INC RECEIVES THE AGREED UPON COMPENSATION FOR THE DESIGNS AND SPECIFICATIONS.



| | | | | | | | |
|-------------------------|----------------------------|-----------------------------|------------------------|----------|---------------------------------|-------------------|-------------------------|
| CLIENT VIRTUE CIDER | ACCOUNT MANAGER C PENNY | DRAWN DATE 4/14/2021 | SCALE 1:40 | REV A | DESCRIPTION ORIGINAL RELEASE | DATE 4/14/2021 | PROJECT 40' RESTROOM |
| PROJECT Virtue Cider | PROJECT MANAGER C PENNY | DRAWN BY Nathan Bildeaux | DRAWING NUMBER ---- | B | CONFIGURATION CHANGE | 4/21/2021 | SHEET NAME DETAILS |
| | | | | | | | SHEET # 3/4 |



PLEASE NOTE, CONCEPTS PROVIDED ARE NOT FINAL BUILD DESIGNS. ENGINEERING DRAWINGS OR RENDERINGS MAY VARY BASED ON COST, SCOPE, OR EXECUTION TIMELINE AND WILL BE SUBJECT TO FINAL CUSTOMER APPROVAL. THE DESIGN AND SPECIFICATIONS WITHIN THIS DOCUMENT WILL REMAIN THE LEGAL PROPERTY OF BRITTEN INC UNTIL SUCH A TIME WHEN LEGAL AGREEMENT IS ENTERED INTO WITH THE CLIENT AND WHEN BRITTEN INC RECEIVES THE AGREED UPON COMPENSATION FOR THE DESIGN AND SPECIFICATIONS.



| | | | | | | | |
|-------------------------|----------------------------|----------------------------|-----------------------|-----|----------------------|-----------|-------------------------|
| CLIENT VIRTUE CIDER | ACCOUNT MANAGER C PENNY | DRAWN DATE 4/14/2021 | SCALE 1:100 | REV | DESCRIPTION | DATE | PRODUCT 40' RESTROOM |
| PROJECT Virtue Cider | PROJECT MANAGER C PENNY | DRAWN BY Nathan Bldeaux | DRAWING NUMBER --- | A | ORIGINAL RELEASE | 4/14/2021 | SHEET NAME DETAILS |
| | | | | B | CONFIGURATION CHANGE | 4/21/2021 | SHEET # 4/4 |



PLEASE NOTE, CONCEPTS PROVIDED ARE NOT FINAL BUILD DESIGNS, ENGINEERING DRAWINGS OR RENDERINGS MAY VARY BASED ON COST, SCOPE, OR EXECUTION TIMELINE AND WILL BE SUBJECT TO FINAL CUSTOMER APPROVAL. THE DESIGNS AND SPECIFICATIONS WITHIN THIS DOCUMENT WILL REMAIN THE LEGAL PROPERTY OF BRITTEN INC UNTIL SUCH A TIME WHEN LEGAL AGREEMENT IS ENTERED INTO WITH THE CLIENT AND WHEN BRITTEN INC RECEIVES THE AGREED UPON COMPENSATION FOR THE DESIGN AND SPECIFICATIONS.

PRODUCT NAME
**UNISEX RESTROOM
 20-FT CONTAINER**

JOB ITEM NUMBER 0000000000-000

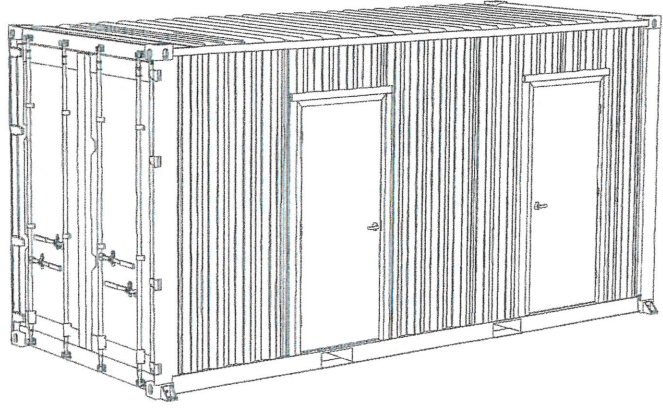
| DRAWING SCHEDULE | | |
|------------------|---------|---|
| PAGE | SHEET # | DESCRIPTION |
| C1 | 1 | COVER |
| D1 | 2 | DETAIL- EXTERIOR ELEVATIONS |
| D2 | 3 | DETAIL- FLOOR PLAN |
| D3 | 4 | DETAIL- REFLECTED CEILING PLAN/ELECTRICAL |
| D4 | 5 | DETAIL- INTERIOR ELEVATION (FRONT/BACK) |
| D5 | 6 | DETAIL- INTERIOR ELEVATION (BACK) |

| FINISH SCHEDULE | | |
|-----------------|------|-----------------|
| TAG | PWS | NAME/RGB VALUES |
| ALL | TBD. | WHITE |

| PLUMBING SCHEDULE | | |
|-------------------|---------|--------------------------|
| BRAND | MODEL # | DESCRIPTION |
| TBD. | TBD. | WALL MOUNTED CORNER SINK |
| TBD. | TBD. | WALL MOUNTED TOILET |

| MECHANICAL SCHEDULE | | |
|---------------------|---------|------------------------------------|
| BRAND | MODEL # | DESCRIPTION |
| TBD. | TBD. | SPLIT SYSTEM HEATING AND COOLING |
| TBD. | TBD. | CEILING MOUNTED LED LIGHTS (QTY 4) |
| TBD. | TBD. | EXHAUST FAN |
| TBD. | TBD. | 30 AMP ELECTRICAL PANEL |

NOTE: ALL WALLS AND CEILING TO HAVE FRP PANELING FLOOR TO HAVE RESILIENT ROLLED GFLOORING



3222 CASS ROAD
 TRAVERSE CITY, MI 49684

UNISEX RESTROOM 20-FT CONTAINER
 DRAWING SCHEDULE
 FINISH SCHEDULE
 PLUMBING SCHEDULE
 MECHANICAL SCHEDULE

CLIENT: TROPICOS
 PROJECT: UNISEX RESTROOM 20-FT
 PROJECT LOCATION: SAMANNA W.
 ACCOUNT MANAGER: MATT EGAN

DRAWN BY: ERIC ARBURY
 DATE: 1/27/2021
 SHEET SIZE: 11" X 17"
 JOB NUMBER: *

REVISIONS
 NO. DATE BY
 1.0 UNISEX RESTROOM/20-FT
 2.0 UNISEX RESTROOM/20-FT

NOTES
 -
 SHEET NAME

DETAILS
 PAGE
C01



2322 CARRIE ROAD
TRAVERSE CITY, MI 49684

ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS AND ORDINANCES.

THE DESIGNER ASSUMES NO LIABILITY FOR ANY DAMAGE TO PERSONS OR PROPERTY ARISING FROM THE USE OF THIS DOCUMENT FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED. THE DESIGNER SHALL NOT BE RESPONSIBLE FOR ANY OMISSIONS, ERRORS OR INADEQUACIES IN THIS DOCUMENT.

CLIENT
TROPICOS

PROJECT
UNIBEX RESTROOM 20-FT

PROJECT MANAGER
SAVANNA IV

PROJECT MANAGER
MATT EGAN

DESIGNED BY
MAX ARBURY

DATE
1/27/2021

SHEET SIZE
11" X 17"

JOB NUMBER
-

REVISIONS

NO. DATE DESCRIPTION

18 1/27/2021 DESIGN RELEASE

19 1/27/2021 UPDATES/REVISE

DATE

DESIGNED BY

DRAWN BY

SCALE

SHEET TITLE

PROJECT

CLIENT

DATE

SCALE

SHEET TITLE

PROJECT

CLIENT

DATE

SCALE

SHEET TITLE

PROJECT

CLIENT

DATE

SCALE

SHEET TITLE

PROJECT

CLIENT

SPECIFICATIONS

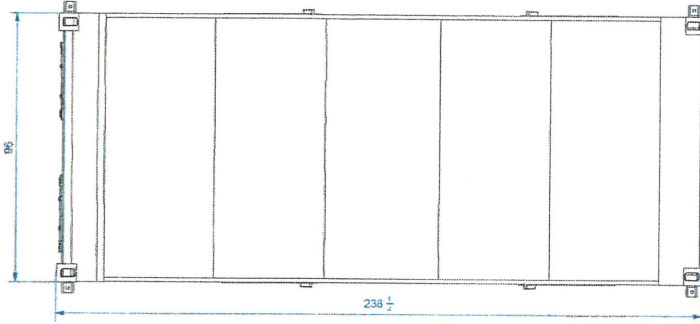
- * 20-FT HIGH CUBE ISO CONTAINER (8'Wx20'Lx6'6"H)
- * EXISTING CARGO DOORS (PAIR)
- * SATIN POLYURETHANE PAINT FINISH ON INTERIOR AND EXTERIOR
- * 6-FLOOR FLOORING
- * INSULATION
- * FRP PANELING
- * MAN DOOR (4)

MECHANICAL

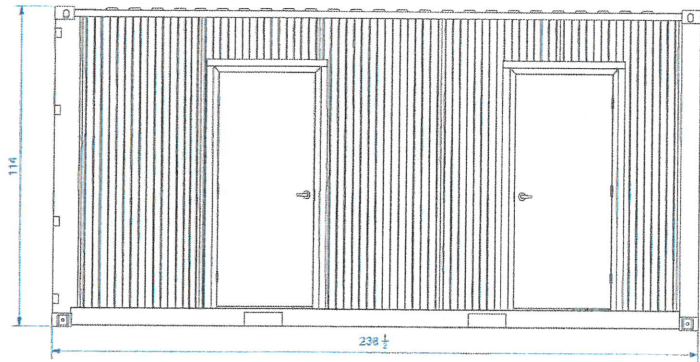
- * 30 AMP ELECTRICAL PANEL (1)
- * CEILING LED LIGHT FIXTURE (4)
- * EXHAUST FAN (4)

PLUMBING

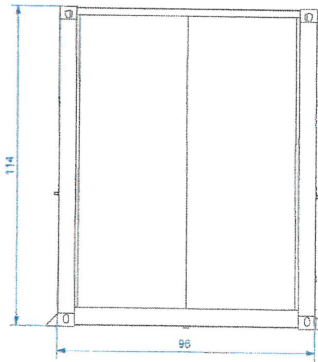
- * (4) WALL MOUNT HAND SINK (TBD.)
- * (4) WALL MOUNTED TOILETS (TBD.)



TOP VIEW



FRONT VIEW



RIGHT VIEW

1/01

DETAIL - EXTERIOR ELEVATIONS

D01



2322 CASS ROAD
TRAVERSE CITY, MI 49684

ALL WORK SHALL BE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF HEALTH AND HUMAN SERVICES (MDHHS) REGULATIONS, 328.1000 THROUGH 328.1009, AND THE MICHIGAN DEPARTMENT OF HEALTH AND HUMAN SERVICES (MDHHS) REGULATIONS, 328.1000 THROUGH 328.1009, AND THE MICHIGAN DEPARTMENT OF HEALTH AND HUMAN SERVICES (MDHHS) REGULATIONS, 328.1000 THROUGH 328.1009.

CLIENT: TRICORCS
PROJECT: UNISEX RESTROOM 20-FT
PROJECT MANAGER: SAUVANA IV
ACCOUNT MANAGER: MATT EGAN

DESIGNER: MAX ARBURY

DATE: 1/27/2021

SHEET SIZE: 11" X 17"

JOB NUMBER: -

REVISIONS:

1.0 INITIAL DESIGN LAYOUT

2.0 PRELIMINARY LAYOUT

3.0 PRELIMINARY LAYOUT

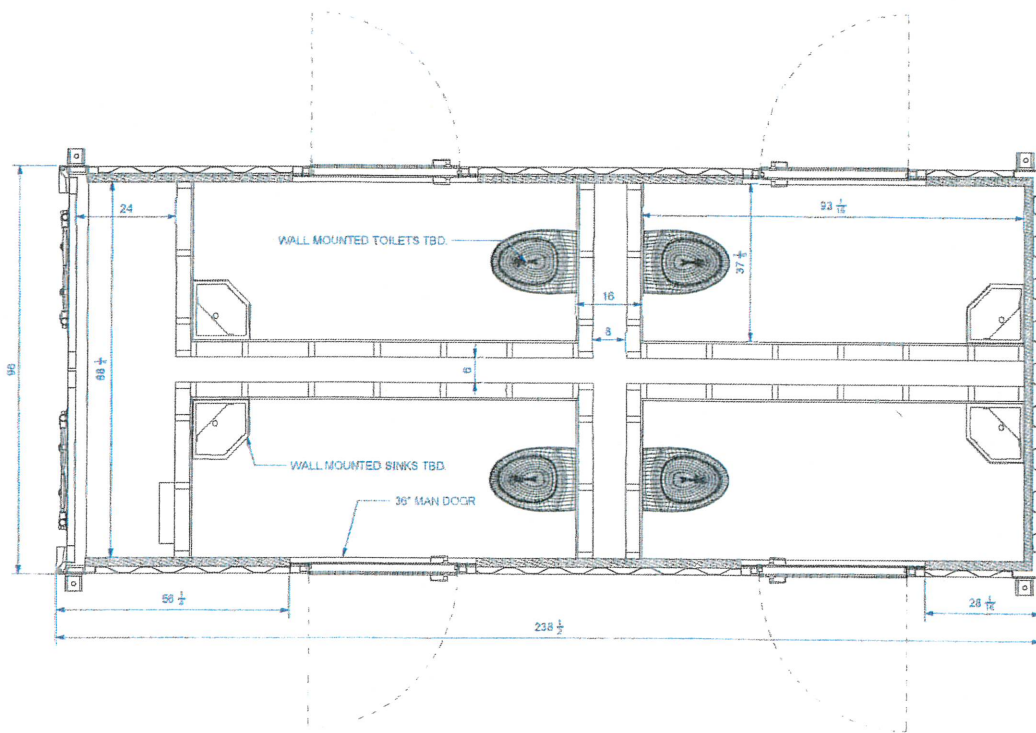
NOTES:

SHEET NAME:

DETAILS

PAGE:

D02



1
D2
DETAIL - FLOOR PLAN



DESIGN & ENGINEERING

2322 CASS ROAD
TROYER CITY, MI 49084

ALL RIGHTS RESERVED. THIS DRAWING IS THE PROPERTY OF BRITTEN DESIGN & ENGINEERING. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE OR MODIFICATION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF BRITTEN DESIGN & ENGINEERING IS STRICTLY PROHIBITED.

OWNER
TROPICOS

PROJECT
UNISEX RESTROOM 20-FT

PROJECT ADDRESS
SAWANKA, MI

ACCOUNT MANAGER
MATT EGAN

DESIGNED BY
MAK ARBURY

DATE
1/27/2021

PROJECT SIZE
11' X 17'

JOB NUMBER
-

REVISIONS

NO. DATE BY

1.0 01/27/2021 MAA/AR

2.0 02/02/2021 UNISEX LAYOUT

3.0 02/02/2021 UNISEX LAYOUT

4.0 02/02/2021 UNISEX LAYOUT

5.0 02/02/2021 UNISEX LAYOUT

6.0 02/02/2021 UNISEX LAYOUT

7.0 02/02/2021 UNISEX LAYOUT

8.0 02/02/2021 UNISEX LAYOUT

9.0 02/02/2021 UNISEX LAYOUT

10.0 02/02/2021 UNISEX LAYOUT

11.0 02/02/2021 UNISEX LAYOUT

12.0 02/02/2021 UNISEX LAYOUT

13.0 02/02/2021 UNISEX LAYOUT

14.0 02/02/2021 UNISEX LAYOUT

15.0 02/02/2021 UNISEX LAYOUT

16.0 02/02/2021 UNISEX LAYOUT

17.0 02/02/2021 UNISEX LAYOUT

18.0 02/02/2021 UNISEX LAYOUT

19.0 02/02/2021 UNISEX LAYOUT

20.0 02/02/2021 UNISEX LAYOUT

21.0 02/02/2021 UNISEX LAYOUT

22.0 02/02/2021 UNISEX LAYOUT

23.0 02/02/2021 UNISEX LAYOUT

24.0 02/02/2021 UNISEX LAYOUT

25.0 02/02/2021 UNISEX LAYOUT

26.0 02/02/2021 UNISEX LAYOUT

27.0 02/02/2021 UNISEX LAYOUT

28.0 02/02/2021 UNISEX LAYOUT

29.0 02/02/2021 UNISEX LAYOUT

30.0 02/02/2021 UNISEX LAYOUT

NOTES

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

0-000000

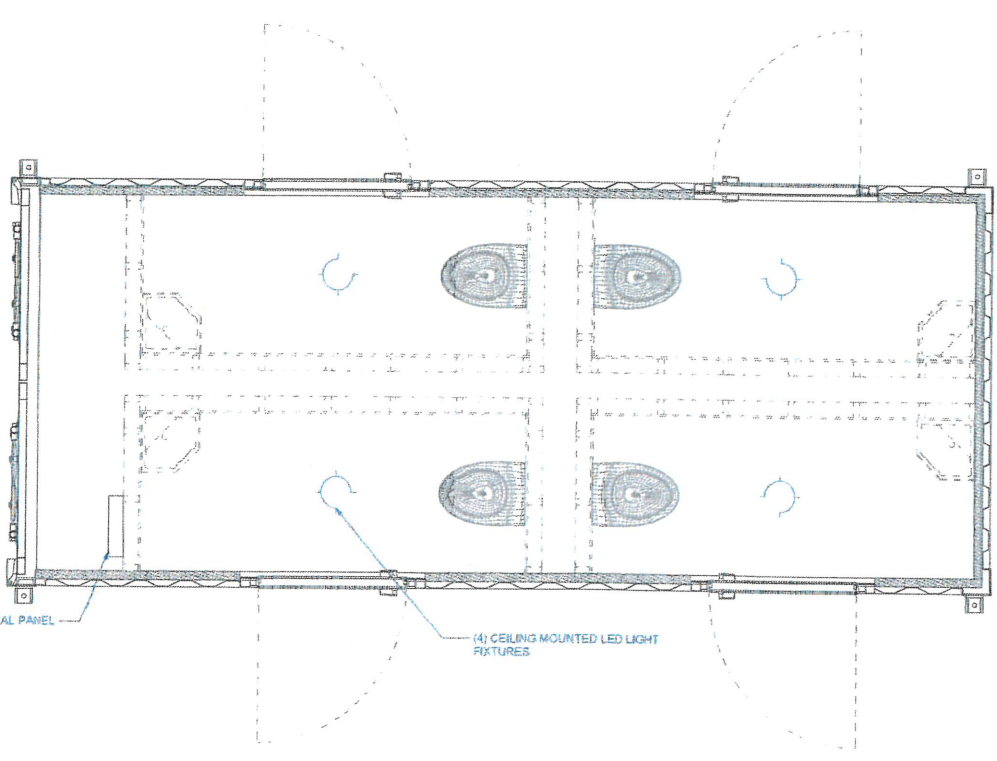
0-000000

0-000000

0-000000

0-000000

0-000000



30-AMP ELECTRICAL PANEL

(4) CEILING MOUNTED LED LIGHT FIXTURES

1/ D03 DETAIL - REFLECTED CEILING PLAN

DETAILS
PAGE
D03



2322 CABB ROAD
TRAVERSE CITY, MI 49684

BRITTEN DESIGN & ENGINEERING, P.C.
A PROFESSIONAL CORPORATION
1000 WEST WASHINGTON AVENUE
TRAVERSE CITY, MI 49601
TEL: 616.251.1000
WWW.BRITTENDESIGN.COM

CLIENT
TROPICOS
PROJECT
UNIBEX RESTROOM 20-FT
PROJECT MANAGER
SAVANNAH WY
ACCOUNT MANAGER
MATT EGAN

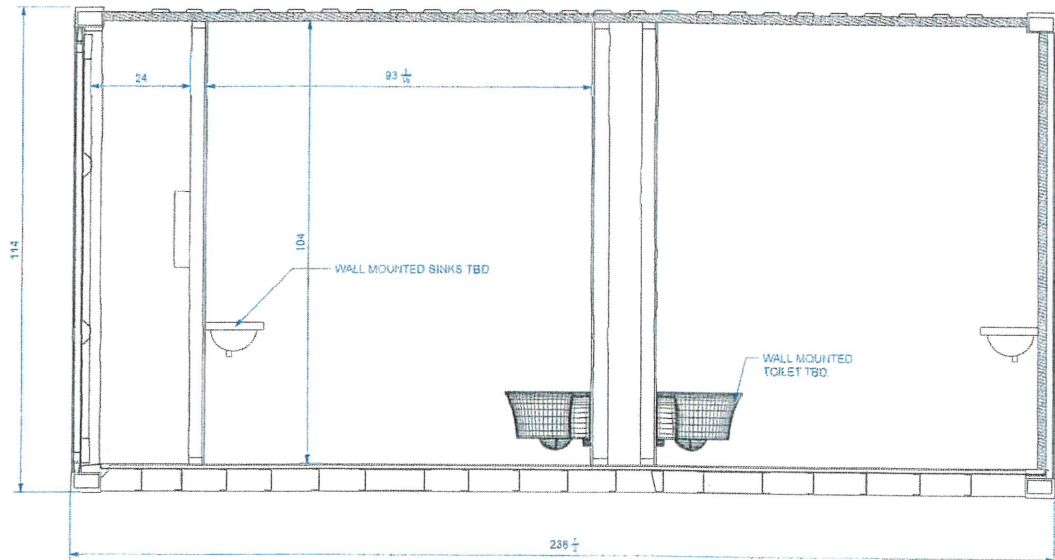
DESIGNER
MAX ARBURY
DATE
1/27/2021
SHEET SIZE
11" X 17"
JOB NUMBER
-

REVISIONS
REV DATE DESCRIPTION
NO REVISIONS
JOB NUMBER UNIBEX RESTROOM

NOTES
-

SHEET NAME
DETAILS

PAGE
D04



1
D04 DETAIL - INTERIOR ELEVATION (FRONT/REAR)



DESIGN & ENGINEERING

2322 CASS ROAD
TRAMERSE CITY, MI 49884

I HEREBY CERTIFY THAT THE DESIGN AND ENGINEERING OF THIS DOCUMENT IS THE WORK OF AN ENGINEER REGISTERED IN THE STATE OF MICHIGAN. I AM NOT PROVIDING ANY DESIGN OR ENGINEERING SERVICES TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF BRITTEN DESIGN & ENGINEERING.

CUSTOMER: TROPICOS
PROJECT: UNISEX RESTROOM 20-FT
PROJECT MANAGER: SAUNDRA M
ACCOUNT MANAGER: MATT EGAN

DESIGNED BY: MAX ARBURY

DATE: 11/27/2021

UNISEX RESTROOM
17' X 17'

SCALE: AS SHOWN

REVISIONS:

| NO. | DATE | BY | DESCRIPTION |
|-----|------------|------------|------------------|
| 12 | 11/27/2021 | MAX ARBURY | ISSUE FOR PERMIT |
| 20 | 11/27/2021 | MAX ARBURY | ISSUE FOR PERMIT |
| 21 | 11/27/2021 | MAX ARBURY | ISSUE FOR PERMIT |
| 22 | 11/27/2021 | MAX ARBURY | ISSUE FOR PERMIT |
| 23 | 11/27/2021 | MAX ARBURY | ISSUE FOR PERMIT |
| 24 | 11/27/2021 | MAX ARBURY | ISSUE FOR PERMIT |
| 25 | 11/27/2021 | MAX ARBURY | ISSUE FOR PERMIT |
| 26 | 11/27/2021 | MAX ARBURY | ISSUE FOR PERMIT |
| 27 | 11/27/2021 | MAX ARBURY | ISSUE FOR PERMIT |
| 28 | 11/27/2021 | MAX ARBURY | ISSUE FOR PERMIT |
| 29 | 11/27/2021 | MAX ARBURY | ISSUE FOR PERMIT |
| 30 | 11/27/2021 | MAX ARBURY | ISSUE FOR PERMIT |

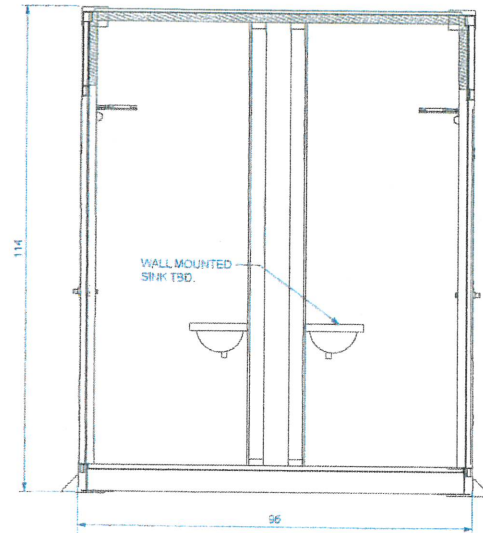
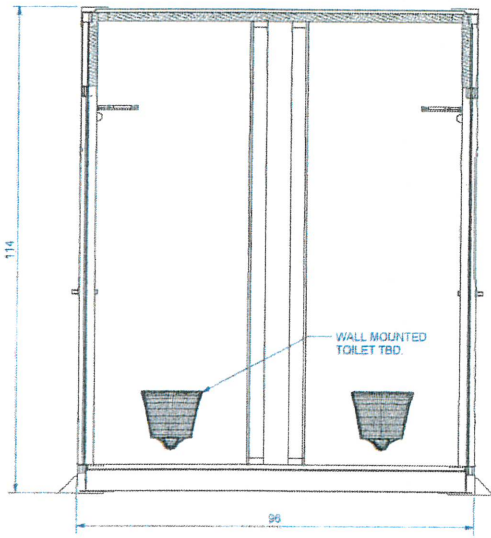
NOTES:

SHEET NAME:

DETAILS


NO.:

D05



1
DS

DETAIL - INTERIOR ELEVATION (RIGHT)(LEFT)

| | | | |
|---|---------------------------|-------------------------------|--------------------------|
|  | | VILLAGE OF SUTTONS BAY | |
| | | REPORT VSB -2022-57 | |
| Prepared: | September 26, 2022 | Pages: | 1 of 1 |
| Meeting: | October 4, 2022 | Attachments: | <input type="checkbox"/> |
| Subject: | Pavilion / Coal Dock Park | | |

PURPOSE

To discuss and inform the committee on acquiring a pavilion.

OVERVIEW

As we continue to grow our partnership with Inland Seas, we have revealed an opportunity that merits further discussion.


We have an opportunity to acquire the Inland Seas pavilion at the cost of its removal. By acquiring the pavilion, we would essentially be repurposing the structure for public use within our Coal Dock Park. This opportunity came about a few months ago however, we have been working with a local builder, a concrete company and crane operator to establish a cost and plan to disassemble, move and reassemble the structure.

The cost of approximately \$22,000 includes project coordination, roof removal, transportation and reassembly of the structure. We are currently working on a donation that would lower that cost by \$5,000 however, it is yet to be finalized. The park budget has the funds as some projects and purchases were put on hold due to skyrocketing costs and a self-imposed stay on park spending following the waterwheel issue.

The structure would be centrally located within the grassy area, providing our Coal Dock seasonal slip holders, residents, visitors and ISEA participants with a covered shelter and picnic area. In addition, Coal Dock Park is envisioned to transform into an educational park over the next few years and would benefit from the outdoor classroom opportunity a pavilion provides.

ACTION REQUESTED

Discussion.

| | | | |
|---|-------------------------------------|-------------------------------|-------------------------------------|
|  | | VILLAGE OF SUTTONS BAY | |
| | | REPORT VSB -2022-58 | |
| Prepared: | September 28, 2022 | Pages: | 1 of 1 |
| Meeting: | October 4, 2022 | Attachments: | <input checked="" type="checkbox"/> |
| Subject: | Waterwheel Cost Estimate Discussion | | |

PURPOSE

To provide a cost estimate on the waterwheel replacement.

OVERVIEW

Attached you will find a cost estimate provided by our project engineer on the removal and replacement of the waterwheel wall at waterwheel park. This is an estimate, it is not a bid or contract, rather, it is more of a benchmark of understanding.

One cost that has been determined by the attached estimate is \$85,000, which is the approximate cost of the removal of the wheel structure wall. What direction we move from here will determine our next steps.

Scenario #1 – The committee recommends identifying a funding source to move forward with the removal/installation of a **new** waterwheel structure, currently estimated to be an additional \$145,540 (less engineering fees and contingencies) above the removal cost of \$85,000.

Scenario #2 – The committee recommends having Staff move forward with a contract to determine a cost estimate for the restoration of the creek to a more natural state. The removal cost of \$85,000 (less engineering fees and contingencies) would still be applicable here.

- A contract proposal from an engineering firm with creek restoration experience has been provided for consideration. The cost is \$15,000 and would have to be at the directive of the Village Council.

Scenario #3 – To be determined.

ACTION REQUESTED

Discussion and recommendation to the Village Council.

September 6, 2022



Mr. Rob Larrea
Village of Suttons Bay
420 Front St
Suttons Bay, MI 49682

Consulting
Engineers and
Scientists

RE: Suttons Bay Stream Restoration, Leelanau County, Michigan

Dear Mr. Larrea:

GEI Consultants of Michigan, P.C. (GEI) appreciates the opportunity to provide a proposal for site assessment and consulting services regarding the water wheel removal and stream restoration project in the Village of Suttons Bay, Michigan. We understand the project consists of removing the water-wheel substructure and its associated appurtenances within an unnamed tributary which runs through Suttons Bay, and restoring approximately 160 feet of the existing channel.

Scope of Services

Based on our discussion with you, GEI will coordinate our services with the Water Wheel Restoration Project Engineer, Machin Engineering to gather existing survey data and review their temporary stream stabilization designs. Our stream restoration experts will conduct a stream assessment along the reach of the unnamed tributary, extending from the headwaters (west of Lincoln Avenue) to Suttons Bay (approximately 1,250 lineal feet of survey) within 2 weeks of notice to proceed. Based on our field observations, GEI will develop schematic designs for a naturalized channel and floodplain restoration from approximately St Mary's Avenue downstream to the alley below the water wheel structure, which consists of approximately 160 lineal feet of channel. Optional channel and floodplain sections will be provided for the reaches between the alley and Front Street. Our designs will incorporate conceptual level hydrologic and hydraulic analysis to verify appropriate channel and floodplain design. The conceptual design will be completed within 6 weeks of the notice to proceed.

The deliverables for this project will include a conceptual level set of plans, a brief design memo, and engineers estimate of probable cost. Additional products such as site renderings and informational posters can be developed if requested under separate scope.

GEI anticipates 3 meetings will be required as part of this project. The first meeting will consist of a kickoff meeting with Village staff and Machin Engineering. The second meeting will be to review the conceptual design, and the third meeting will present the findings to the Village Board.

Project Cost

Initial field assessments and conceptual designs will be conducted on a time and materials basis. GEI's cost for the scope of work described is estimated to be approximately \$15,000 which will be invoiced in accordance with the attached GEI Michigan Rate Schedule.

From: Patrick J. Machin, P.E.
Sent: Monday, September 26, 2022 3:54 PM
To: manager@suttonsbayvillage.org
Subject: Waterwheel Project Engineer's Cost Estimate
Attachments: 22115_OPCC_Waterwheel Park.pdf; 22115_Water Wheel_CONCEPT_092622.pdf

Hi Rob,

I have prepared a cost estimate for the removal and replacement in a slightly upstream location for the waterwheel structure and associated stream restoration activities including a temporary re-routing of the stream. Included is a conceptual drawing for reference to the major items in the costs estimate.

I have some extra monies in the engineering over our contract cost to cover the emergency work and additional work possible with the EGLE, depending on the project outcome. Our original contract cost is for \$15,500 including costs for permitting with EGLE.

Major items are:

- Concrete retaining wall
- Hand formed stream
- Subbase slab
- Temporary stream relocation
- Observation deck. The cost includes metal railing, wood decking, except where metal grating is over the waterwheel.

We worked with Team Elmer's and Spence Brothers on the unit costs to represent current costs.

Any questions please let me know.

Sincerely,

Please note my extension number has changed to Ext 700.

Patrick J. Machin, P.E.* | Principal



2301 N Garfield Rd, Suite C
Traverse City, MI 49686
T: [231-935-1530](tel:231-935-1530) Ext 700
O: 855-935-1530

** For a complete list of states where licensed, please visit the website.*

To view our company video, visit:
www.machinengineering.net

OPINION OF PROBABLE CONSTRUCTION COST
Village of Suttons Bay
WATER WHEEL STRUCTURE REPLACEMENT
September 26, 2022

| Item No. | Item Description | Unit | Qty. | Unit Cost | Cost |
|--------------------------------------|--|------|------|-------------|---------------------|
| Demolition and Excavation | | | | | |
| 1 | Mobilization & Demobilization | LS | 1 | \$10,000.00 | \$10,000.00 |
| 2 | Demolition Existing Structure | CY | 88 | \$100.00 | \$8,800.00 |
| 3 | Temporary Access and Silt Fence | LS | 1 | \$3,500.00 | \$3,500.00 |
| 4 | Temporary Stream Relocation | LS | 1 | \$9,900.00 | \$9,900.00 |
| 5 | Earth Excavation | CY | 200 | \$35.00 | \$7,000.00 |
| 6 | Dewatering | LS | 1 | \$15,000.00 | \$15,000.00 |
| 7 | Crushed Stone Base | CY | 40 | \$90.00 | \$3,600.00 |
| 8 | Backfill, MDOT Class II, CIP | CY | 130 | \$20.00 | \$2,600.00 |
| 9 | Remove and Restore Temporary Stream Area | LS | 1 | \$7,500.00 | \$7,500.00 |
| 10 | Topsoil, Seed, and Mulch | SY | 900 | \$6.00 | \$5,400.00 |
| 11 | Relocate Power Pole & Service | LS | 1 | \$12,000.00 | \$12,000.00 |
| SUBTOTAL: | | | | | \$85,300.00 |
| New Structure | | | | | |
| 11 | Reinforced Concrete Retaining Wall | LF | 39 | \$1,500.00 | \$58,500.00 |
| 12 | Concrete Slab, 6" | SF | 540 | \$25.00 | \$13,500.00 |
| 13 | Stream Bank Restoration | LF | 80 | \$150.00 | \$12,000.00 |
| 14 | Stream Channel Hand Form | LF | 32 | \$320.00 | \$10,240.00 |
| 15 | Overflow Structure | LS | 1 | \$1,200.00 | \$1,200.00 |
| 16 | Waterwheel Structure (not i/c wheel) | LS | 1 | \$6,600.00 | \$6,600.00 |
| 17 | Observation Deck | LS | 1 | \$26,000.00 | \$26,000.00 |
| 18 | Rip-Rap Stone, 18"-24" | CY | 20 | \$200.00 | \$4,000.00 |
| 19 | Disconnect & Reconnect Site Electrical | LS | 1 | \$3,500.00 | \$3,500.00 |
| 20 | Site Lighting | LS | 1 | \$10,000.00 | \$10,000.00 |
| SUBTOTAL: | | | | | \$145,540.00 |
| SUBTOTAL: | | | | | \$230,840.00 |
| 20% CONTINGENCIES: | | | | | \$46,200.00 |
| ENGINEERING FEES: | | | | | \$18,500.00 |
| TOTAL ESTIMATED PROJECT COST: | | | | | \$295,540.00 |

- Costs for engineering, surveying, permit fees, etc. are not included in the estimate.
- Costs for financing, land, right-of-way, easement acquisition, and permit fees are not included in this cost estimate.
- This cost estimate is approximate. Actual construction bids may vary significantly from this statement of probable costs due to timing of construction, changed conditions, labor rate changes, or other factors beyond the control of Machin Engineering, Inc.
- Costs for temporary stream diversion channel are included in this estimate but may be completed under a separate contract by the Village.

MACHINE ENGINEERING
Incorporation
TRAVERSE CITY, MI PH 231.955.1530
www.machineengineering.net

| REV | DESCRIPTION | DATE | BY | APPROVED |
|-----|-------------|------|----|----------|
| A | REVISION | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

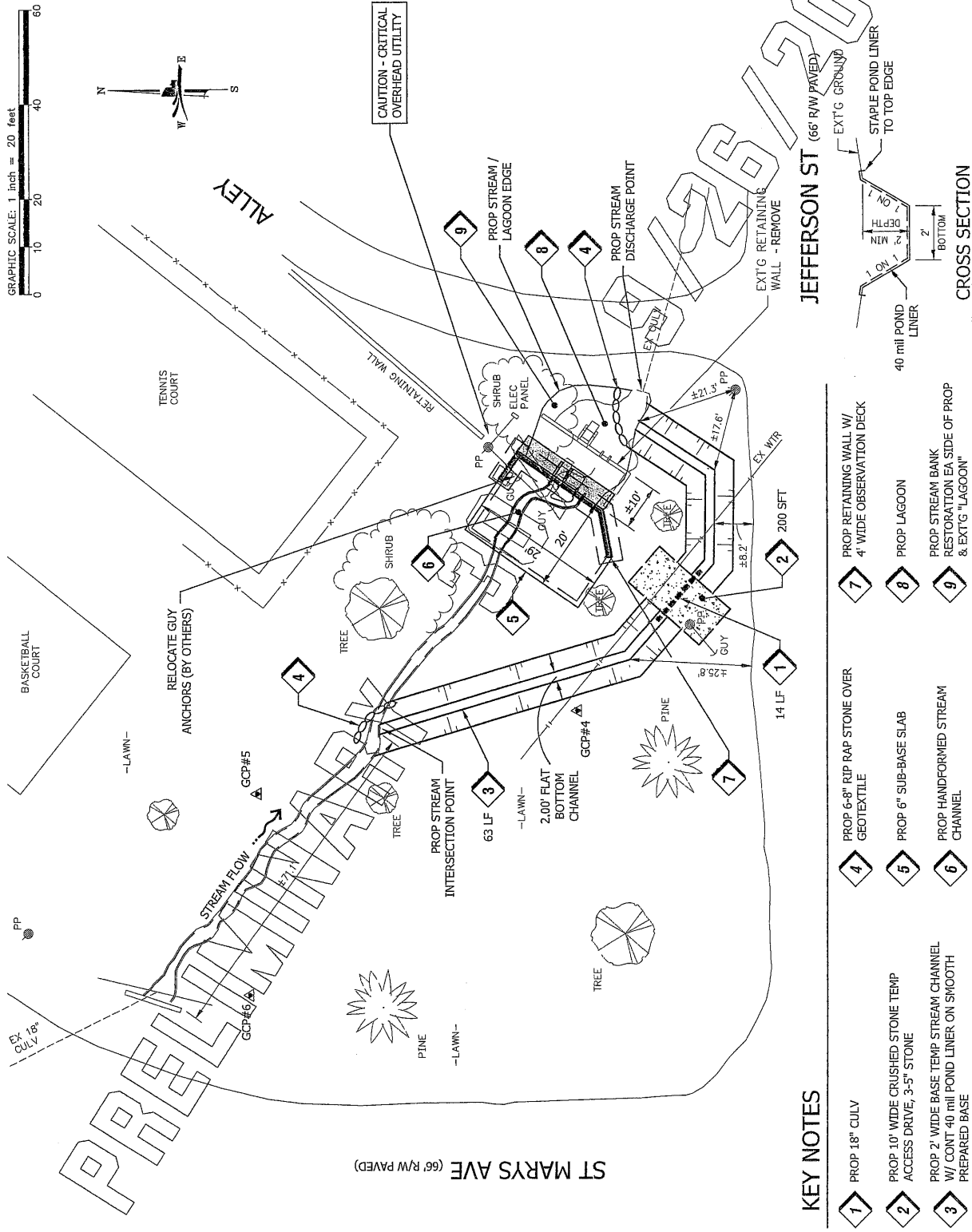
PROJECT TITLE:
VILLAGE OF SUTTONS BAY WATERWHEEL PARK STRUCTURE

CLIENT:
VILLAGE OF SUTTONS BAY
420 N FRONT ST, PO BOX 395,
SUTTONS BAY, MI 49682

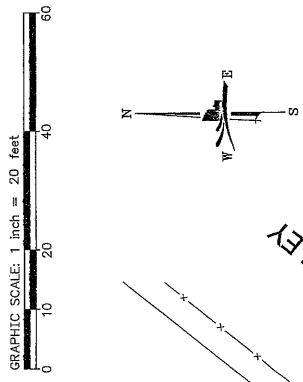
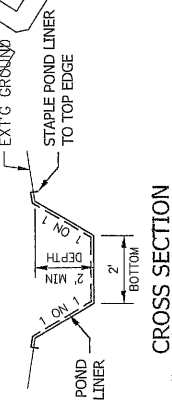
SHEET TITLE:
CONCEPTUAL SITE PLAN

PROJECT NUMBER:
22115

SHEET NUMBER:
FIG 1



- KEY NOTES**
- 1 PROP 18" CULV
 - 2 PROP 10' WIDE CRUSHED STONE TEMP ACCESS DRIVE, 3'-5" STONE
 - 3 PROP 2' WIDE BASE TEMP STREAM CHANNEL W/ CONT 40 mil POND LINER ON SMOOTH PREPARED BASE
 - 4 PROP 6-8" RIP RAP STONE OVER GEOTEXTILE
 - 5 PROP 6" SUB-BASE SLAB
 - 6 PROP HANDFORMED STREAM CHANNEL
 - 7 PROP RETAINING WALL W/ 4' WIDE OBSERVATION DECK
 - 8 PROP LAGOON
 - 9 PROP STREAM BANK RESTORATION EA SIDE OF PROP & EXT'G "LAGOON"



ST MARYS AVE (66' R/W PAVED)

JEFFERSON ST (66' R/W PAVED)

CROSS SECTION

PRELIMINARY

2022

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2022 | 2022 | 2023 |
|-----------------------------|--------|--------|--------|--------|---------|---------|---------|----------|
| | Budget | Actual | Actual | Actual | Adopted | Adopted | Amended | Proposed |
| Streetlighting | | | | | | | | |
| Utilities - Electric | 12,000 | 12,751 | 11,968 | 12,373 | 14,500 | 14,500 | 14,500 | 14,500 |
| Total Streetlighting | 12,000 | 12,751 | 11,968 | 12,373 | 14,500 | 14,500 | 14,500 | 14,500 |

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2022 | 2022 | 2023 |
|-----------------------------|--------|--------|--------|--------|---------|---------|---------|----------|
| | Budget | Actual | Actual | Actual | Adopted | Adopted | Amended | Proposed |
| Public Works | | | | | | | | |
| Administrative Wages | 6,584 | 12,289 | 24,197 | 24,127 | 18,000 | 18,000 | 18,000 | 18,500 |
| Wages | 6,515 | 5,507 | 5,434 | 5,394 | 5,800 | 5,800 | 5,800 | 6,200 |
| FICA Contribution | 1,003 | 1,311 | 2,222 | 2,156 | 3,100 | 3,100 | 3,100 | 2,000 |
| Medical Insurance | 2,510 | 1,640 | 2,493 | 3,019 | 4,000 | 4,000 | 4,000 | 4,710 |
| Workers Compensation | 153 | 103 | 101 | 73 | 500 | 500 | 500 | 300 |
| Retirement Contribution | 595 | 1,491 | 2,796 | 2,950 | 2,550 | 2,550 | 2,550 | 2,500 |
| Life, AD&D Insurance | 155 | 161 | 228 | 269 | 300 | 300 | 300 | 250 |
| Unemployment | 667 | 10 | 8 | 16 | 100 | 100 | 100 | 100 |
| Office Supplies | 200 | 200 | 179 | 156 | 200 | 200 | 200 | 200 |
| Operating Supplies | 2,000 | 995 | 2,463 | 3,786 | 1,000 | 2,950 | 2,950 | 1,500 |
| Waste Removal | 10,000 | 9,120 | 8,598 | 12,027 | 13,000 | 13,000 | 13,000 | 13,000 |
| Rental | 2,400 | 1,742 | 2,755 | 2,680 | 2,800 | 2,800 | 2,800 | 2,800 |
| Contractual Services | 1,500 | 195 | 55 | 1,056 | 1,000 | 1,000 | 1,000 | 1,000 |
| Lease of Building | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Telephones | 1,500 | 1,762 | 2,452 | 2,599 | 2,400 | 2,400 | 2,400 | 2,400 |
| Hydrant Rental Fee | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 |
| Utilities - Water | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 |
| Utilities - Sewer | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |
| Repair & Maintenance | 1,500 | 11,480 | 1,784 | 1,743 | 10,000 | 10,000 | 10,000 | 10,000 |
| Education, Training, & Dues | 1,500 | 0 | 30 | 0 | 1,500 | 1,500 | 1,500 | 1,500 |
| Equipment/Vehicle Rent | 2,752 | 2,775 | 2,775 | 2,775 | 2,775 | 2,775 | 2,775 | 2,775 |
| Total Public Works | 73,334 | 82,581 | 90,370 | 96,626 | 100,825 | 100,825 | 102,775 | 101,535 |

Mideal fees, dog bags, software security fees
6 yd container monthly, and spring clean-up 6800
portajon rental, waterwheel, Bahle
DOT drug screen,
cell phones, and contracts, phones-Internet service
gen fund to water fund - hydrant use
for water service
for sewer service
fire ext annual service, blds maint
to motor pool for equip rental

| | 2018 | 2019 | 2020 | 2021 | 2022 | 2022 | 2022 | 2023 |
|-------------------------------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|---|
| | Budget | Actual | Actual | Actual | Adopted | Amended | Proposed | |
| Parks & Recreation | | | | | | | | |
| Administrative Wages | 1,632 | 1,972 | 2,214 | 2,052 | 11,000 | 5,000 | 8,000 | Part time park employee |
| Wages | 33,145 | 27,703 | 30,459 | 27,745 | 32,000 | 34,000 | 38,000 | |
| FICA Contribution | 2,661 | 2,189 | 2,411 | 2,136 | 2,900 | 2,900 | 3,200 | |
| Medical Insurance | 5,552 | 4,752 | 5,597 | 6,795 | 8,050 | 8,050 | 8,395 | |
| Workers Compensation | 813 | 508 | 550 | 401 | 775 | 775 | 836 | |
| Retirement Contribution | 1,319 | 2,769 | 3,322 | 3,425 | 4,300 | 4,300 | 4,600 | |
| Life, AD&D Insurance | 383 | 386 | 447 | 580 | 650 | 650 | 650 | |
| Unemployment Insurance | 2,041 | 3 | 4 | 4 | 125 | 125 | 125 | |
| Operating Supplies | 3,500 | 3,694 | 3,802 | 9,317 | 7,500 | 8,000 | 7,500 | Staff projects- planter boxes, refinished picnic tables, cleane |
| Contractual Service | 2,500 | 2,320 | 2,588 | 932 | 2,500 | 10,000 | 10,000 | Limble \$700 Remote Video \$250 Striping/lot maintenance/tre |
| Telephones | | | | 474 | 1,200 | 1,200 | 1,500 | New internet for North Park-cameras |
| Insurance | 385 | 400 | 385 | 385 | 450 | 425 | 500 | Liability Ins - Par Plan-Premium increase |
| Porta John Rental | | | | | 2,800 | 2,800 | 2,800 | Porta John Rental was Public Works |
| Utilities - Electric | 3,000 | 2,438 | 3,368 | 3,073 | 3,400 | 4,400 | 4,200 | all parks |
| Utilities - Gas | 1,350 | 1,277 | 630 | 969 | 1,350 | 1,500 | 1,500 | Heat for park bldgs - DTE |
| Utilities - Water | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | parks costs for water service |
| Utilities - Sewer | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | parks cost for sewer service |
| Repair & Maintenance | 5,000 | 5,081 | 4,851 | 11,886 | 7,000 | 12,000 | 7,000 | 2021 Kal Exc Sutton Park Damage |
| Equipment/Vehicle Rent | 15,869 | 15,875 | 15,875 | 15,875 | 15,875 | 15,875 | 15,875 | trans to motor pool for park equip rental |
| Waterwheel Park Project | | | | | 0 | 26,059 | 10,000 | Waterwheel Park Project |
| Capital Improvements | 0 | 0 | 9,579 | 19,608 | 38,000 | 28,000 | 55,400 | |
| Total Parks & Recreation | 94,150 | 86,367 | 101,082 | 120,657 | 154,875 | 181,059 | 195,081 | |

2022-mobi mats \$4300; Bike Repair Matching \$2100; Buryin
 -Water fountains \$2500;
 Park Signs \$5250; 50% Pavilion relocation \$11,000
 2023-
 New Restroom Doors Installed/LOCKS 4@3000 (12,0
 \$6000-Signage Coal dock and Marina Park NP; 2 gates \$14

| | 2018 Budget | 2019 Actual | 2020 Actual | 2021 Actual | 2022 Adopted | 2022 Amended | 2023 Proposed |
|--|----------------|----------------|----------------|----------------|-----------------|-----------------|------------------|
| Motor Vehicle | | | | | | | |
| Wages (admin wage) | 3,236 | 3,680 | 3,715 | 3,659 | 12,500 | 12,500 | 13,655 |
| Wages | 20,262 | 21,100 | 20,348 | 22,698 | 21,000 | 21,000 | 23,000 |
| FICA Contribution | 1,798 | 1,817 | 1,769 | 1,902 | 2,800 | 2,800 | 2,800 |
| Medical Insurance | 3,897 | 4,644 | 5,472 | 6,512 | 7,050 | 7,050 | 7,250 |
| Workers Compensation | 588 | 366 | 396 | 289 | 725 | 725 | 780 |
| Retirement Contribution | 1,175 | 2,470 | 2,235 | 2,361 | 3,350 | 3,350 | 3,700 |
| Life, AD&D Insurance | 334 | 337 | 398 | 469 | 500 | 500 | 450 |
| Unemployment Insurance | 1,204 | 2 | 2 | 2 | 1,800 | 1,800 | 1,900 |
| Safety Equipment | 2,000 | 1,094 | 193 | 240 | 1,650 | 1,650 | 1,650 |
| Operating Supplies | 3,500 | 3,495 | 4,398 | 6,781 | 4,500 | 8,000 | 7,000 |
| Gas Purchases | 18,000 | 14,896 | 8,892 | 14,149 | 19,000 | 19,000 | 19,000 |
| Insurance | 6,815 | 7,199 | 7,199 | 7,475 | 8,100 | 7,800 | 8,500 |
| Utilities - Electric | 2,250 | 1,852 | 2,171 | 2,091 | 2,250 | 2,250 | 3,000 |
| Utilities - Gas | 2,500 | 2,960 | 1,449 | 2,589 | 2,000 | 2,000 | 4,500 |
| Repair & Maintenance Ground & Building | 1,500 | 1,252 | -1,274 | 3,448 | 1,500 | 1,500 | 1,500 |
| Vehicle Maintenance | 6,000 | 31,076 | 80,853 | 3,492 | 6,000 | 6,000 | 6,000 |
| Equipment Maintenance | 8,000 | 10,228 | 10,626 | 2,531 | 8,000 | 12,000 | 8,000 |
| Capital Improvement - Equipment | 5,000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Motor Vehicle | 88,059 | 108,468 | 148,842 | 80,688 | 102,725 | 109,925 | 112,685 |
| Total Operational Expenditui | 544,414 | 514,415 | 612,463 | 545,038 | 690,391 | 732,025 | 767,992 |

oil, filters, mower parts, vehicle parts, shop supplies
1900 per mo. in winter, 600 in summer months
increased due to new trucks
DPW bldg
dpw bldg
facility and grounds maint
mower maint, trailers, scrapers, equip bearings/blades plow

Major Streets

| Revenues | 2018 | 2019 | 2020 | 2021 | 2022 | 2022 | 2023 | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| | Budget | Actual | Actual | Actual | Adopted | Amended | Proposed | |
| Grant Revenue | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Federal Grant Revenue | 76,000 | 82,319 | 85,625 | 90,098 | 32,000 | 32,000 | 0 | ARPA Federal Grant, \$64,000, total in 2 years 2021 winter maint was 19,530 |
| State Shared Revenue | 1,200 | 4,621 | 2,617 | 173 | 500 | 500 | 94,000 | |
| Interest Earnings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Contributions - Private | 30,667 | 31,613 | 32,548 | 35,828 | 32,500 | 32,500 | 32,500 | From Co Road Comm millage |
| Contributions - Governmental Units - County | 170,000 | 220,000 | 70,000 | 70,000 | 90,000 | 90,000 | 90,000 | Gen Fund contrib to Major Street Fund |
| Transfer In - General Fund | 0 | 0 | 0 | 41,854 | 0 | 0 | 0 | INS Reim(s) \$39,000-\$2400; 9,190 Hydrant reimbursed -2021 |
| Miscellaneous Income | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total Major Street Fund Revenue | 277,867 | 338,553 | 190,790 | 237,953 | 237,000 | 249,000 | 217,000 | |

| Expenditures | 2018 | 2019 | 2020 | 2021 | 2022 | 2022 | 2023 | |
|---------------------------|--------|--------|--------|--------|---------|---------|----------|--|
| | Budget | Actual | Actual | Actual | Adopted | Amended | Proposed | |
| Administrative Wages | 5,592 | 6,387 | 6,837 | 6,641 | 15,500 | 15,500 | 17,000 | |
| Wages | 33,445 | 32,319 | 31,114 | 30,549 | 32,000 | 32,000 | 35,000 | |
| FICA Contribution | 2,987 | 2,843 | 2,784 | 2,668 | 3,600 | 3,600 | 4,000 | |
| Medical Insurance | 7,376 | 6,684 | 7,128 | 8,742 | 10,000 | 10,000 | 10,526 | |
| Workers Compensation | 1,400 | 1,162 | 1,259 | 915 | 1,890 | 1,890 | 2,100 | |
| Retirement Contribution | 1,955 | 3,862 | 3,524 | 3,709 | 4,750 | 4,750 | 5,200 | |
| Life, AD&D Insurance | 517 | 518 | 571 | 618 | 650 | 650 | 650 | |
| Unemployment Insurance | 2,094 | 3 | 4 | 4 | 2,500 | 2,500 | 2,800 | |
| Operating Supplies | 6,000 | 4,265 | 4,642 | 5,569 | 6,000 | 6,000 | 6,000 | salt, sand, mulch, |
| Engineering Services | 2,000 | 0 | 0 | 0 | 2,000 | 6,000 | 2,000 | projects other than tap |
| Audit Services | 600 | 562 | 572 | 600 | 600 | 600 | 600 | mejsr portion of audit (6%) |
| Contractual Service/Legal | 12,500 | 1,040 | 5,719 | 11,161 | 12,000 | 8,000 | 20,000 | snow removal, summer striping, tree maint, sweeping, line p: |
| Building Lease | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Liability Insurance | 413 | 425 | 363 | 413 | 425 | 425 | 500 | Premium Increase |
| Repair & Maintenance | 8,000 | 3,967 | 3,509 | 7,757 | 8,000 | 15,800 | 17,100 | patch, street repairs tree removal and replace Rain Garden f |
| Sidewalks | 5,000 | 0 | 148 | 0 | 15,000 | 15,000 | 15,000 | Sidewalk Repair |

| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Possible Match for Grant-\$100000 2023 for bldg project pymnt - to prop replace fund Trans to Motor Pool ARPA -Street-Damaged Culvert Total Apprx \$240000 2022 2023 |
|---|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| Miscellaneous | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Loan Payment - Property Replacement Fund | 2,855 | 2,855 | 2,855 | 2,855 | 2,855 | 2,855 | 2,855 | 2,855 | 2,855 | 2,855 | |
| Equipment/Vehicle Rent | 33,583 | 33,600 | 33,600 | 33,600 | 35,600 | 35,600 | 35,600 | 35,600 | 35,600 | 35,600 | |
| Capital Improvements | 11,500 | 21,272 | 536,605 | 151,054 | 80,000 | 80,000 | 80,000 | 80,000 | 122,000 | 122,000 | |
| Total Major Street Fund Expenditures | 137,817 | 121,764 | 641,234 | 268,855 | 233,370 | 241,170 | 241,170 | 241,170 | 298,931 | 298,931 | |
| Total Expenditures | 137,817 | 121,764 | 641,234 | 268,855 | 233,370 | 241,170 | 241,170 | 241,170 | 298,931 | 298,931 | |
| Total Revenues | 277,867 | 338,553 | 190,790 | 237,953 | 237,000 | 249,000 | 249,000 | 217,000 | 217,000 | 217,000 | |
| Excess Revenue or Expense (+) | 140,050 | 216,789 | -450,444 | -30,902 | 3,630 | 7,830 | 7,830 | -81,931 | -81,931 | -81,931 | |
| Beginning Fund Balance | 294,791 | 434,841 | 651,630 | 201,186 | 197,604 | 197,604 | 197,604 | 197,604 | 205,434 | 205,434 | |
| Ending Fund Balance | 434,841 | 651,630 | 201,186 | 197,604 | 201,234 | 205,434 | 205,434 | 205,434 | 123,503 | 123,503 | |

St Mary's 15,000 22,000 South Shore Paved
M-22 camera 15,000 100,000 Possible Grant Mat
2 Str Lights M-22

ARPA -Street-Damaged Culvert
50,000

Local Street Fund

| Revenues | 2018 | 2019 | 2020 | 2021 | 2022 | 2022 | 2023 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | Budget | Actual | Actual | Actual | Adopted | Amended | Proposed |
| Grant Revenue | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| State Shared Revenue | 41,000 | 47,769 | 50,412 | 53,373 | 48,000 | 59,000 | 59,000 |
| Interest Earnings | 500 | 1,671 | 535 | 106 | 100 | 300 | 200 |
| Contributions - Private | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfer In - General Fund | 60,000 | 60,000 | 60,000 | 60,000 | 80,000 | 80,000 | 80,000 |
| Miscellaneous Income | 0 | 3,064 | 3,386 | 3,523 | 0 | 3,000 | 0 |
| Total Local Street Fund Revenues | 101,500 | 112,504 | 114,333 | 117,002 | 128,100 | 142,300 | 139,200 |
| | | | | | | | |
| Expenditures | 2018 | 2019 | 2020 | 2021 | 2022 | 2022 | 2023 |
| | Budget | Actual | Actual | Actual | Adopted | Amended | Proposed |
| Administrative Wages | 5,593 | 6,387 | 6,837 | 6,642 | 15,500 | 8,000 | 8,900 |
| Wages | 32,201 | 31,013 | 29,761 | 29,172 | 31,000 | 31,000 | 34,100 |
| FICA Contribution | 2,850 | 2,747 | 2,687 | 2,571 | 3,500 | 3,000 | 3,400 |
| Medical Insurance | 7,140 | 6,472 | 6,856 | 8,420 | 9,800 | 9,800 | 10,205 |
| Workers Compensation | 1,700 | 1,124 | 1,220 | 887 | 1,785 | 1,785 | 1,785 |
| Retirement Contribution | 1,900 | 3,732 | 3,390 | 3,572 | 4,650 | 4,000 | 4,300 |
| Life, AD&D Insurance | 500 | 499 | 553 | 614 | 650 | 650 | 650 |
| Unemployment Insurance | 1,000 | 3 | 4 | 4 | 2,500 | 1,000 | 1,000 |
| Operating Supplies | 3,500 | 4,546 | 3,972 | 2,308 | 4,500 | 5,500 | 4,500 |
| Engineering Services | 0 | 0 | 0 | 0 | 2,000 | 2,000 | 2,000 |
| Audit Services | 600 | 562 | 572 | 600 | 600 | 600 | 600 |
| Contractual Service | 11,500 | 1,040 | 6,445 | 8,529 | 8,000 | 6,500 | 8,000 |
| Insurance | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Repair & Maintenance | 413 | 425 | 363 | 413 | 425 | 425 | 425 |
| Rep & Maint - Broadway Street | 3,500 | 4,928 | 5,748 | 7,924 | 6,500 | 14,100 | 15,400 |
| Sidewalks | 0 | 0 | 35,778 | 4,000 | 1,000 | 0 | 0 |
| | 0 | 0 | 148 | 0 | 11,000 | 10,000 | 25,000 |

sales tax rev fr st of mi, includes winter maint rev 16,755

fr gen fund

10% of gr wage

salt, sand, mulch, signs, etc

loc str portion of audit (6%)
sweeping, tree maint, painting 2021-Cockfield/gt survey Sou

patch, brine, street repair, KAL S Shore, tree R&R, rain gard.
New acct 2020, brw drainage issues
2023 Sidewalk- Grove, West

| | 2022 | | 2023 | |
|---|----------------|----------------|----------------|----------------|
| Property Replacement Fund | 2,855 | 2,855 | 2,855 | 2,855 |
| Equipment/Vehicle Rent | 28,050 | 28,050 | 29,050 | 29,050 |
| Capital Improvements | 0 | 19,482 | 60,000 | 62,000 |
| Total Local Street Fund Expenditures | 103,302 | 154,721 | 195,315 | 214,170 |
| Total Expenditures | 103,302 | 154,721 | 195,315 | 214,170 |
| Total Revenues | 101,500 | 114,333 | 128,100 | 139,200 |
| Excess Revenues or Expense (-) | -1,802 | -40,388 | -67,215 | -74,970 |
| Beginning Fund Balance | 175,897 | 192,216 | 128,844 | 80,879 |
| Ending Fund Balance | 174,095 | 119,403 | 61,629 | 5,909 |

Local Street portion of Biggs loan payment
 Trans to Motor Pool
 2022 Elmers/Lincoln St #1 29,000 S Shore-46000
 Elmer's/Lincoln St #2 19,500 St Marys 16,000