



CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING DIVISION

COLEMAN A. YOUNG MUNICIPAL CENTER
2 WOODWARD AVE. SUITE 601
DETROIT, MICHIGAN 48226
PHONE: (313) 224-3949 TTY: 711
WWW.DETROITMI.GOV

To: Clerk's Office
From: The Department of Public Works
City Engineering Division
MapsandRecordsBureau@DetroitMI.Gov
(313) 224-3970

Petitioner:
Great Lakes Water Authority
Represented by Arcadis of Michigan, LLC
607 Shelby Street, Suite 400
Detroit, MI, 48226

On behalf of the above-mentioned petitioner the Department of Public Works: City Engineering Division is submitting a petition request for the action below. The petitioner has received a project consultation from the Department of Public Works: City Engineering Division and has been advised the following:

Type of action recommended:

Petition for the Outright Vacation of part of Freud Street and adjacent public alleys, between Conner Street and Navahoe Street. Also, for the dedication of land for the new alignment of Freud Street.

Jered Dean
Manager II
Department of Public Works
City Engineering Division
313-224-3985

City of Detroit Department of Public Works
Right of Way Management
7791 Davison W
Detroit, Michigan 48238

Arcadis of Michigan, LLC
607 Shelby Street
Suite 400
Detroit, MI 48226
United States
Phone: 313 965 8436
www.arcadis.com

Date: May 24, 2023
GLWA Contract No. 2204605
Our Ref: 30047523
Subject: Freud Pump Station Improvements – Petition Letter of Intent

Dear Department of Public Works:

This correspondence serves as Great Lakes Water Authority's (GLWA) letter of intent to petition the City of Detroit for a vacation and dedication of the right-of-way (ROW) application. The changes are necessary to allow for construction of the proposed Freud Pump Station Improvements.

GLWA operates Freud Storm Pump Station located at 12300 Freud Street, Detroit, MI 48125 which was constructed in the 1950's. The pump station receives flow from the 16-ft diameter Ashland Relief Sewer and the 16-ft diameter Fox Creek Relief Sewer and both relief sewers are located within the Freud Street ROW. Dry weather flow is pumped to the East Jefferson Sewer through a 5-ft diameter sewer on Tennessee Street and wet weather flow is pumped to the Conner Creek CSO Basin and Treatment Facility. The Freud Storm Pump Station is a critical component in relaying wastewater and storm water generated in the eastern portion of Detroit to the Fairview Pump Station, and ultimately, to the Detroit Water Resources Recovery Facility (WRRF). The operation of this facility is critical to prevent flooding of stakeholder's premises and protect the water quality in the Detroit River and ultimately the drinking water supply for Detroit.

The purpose of the Freud Pump Station Improvements project is to make modifications and enhancements to the pump station to protect the health, safety and welfare of residents served by improving operability, reliability, integrity, and maintainability. Key design project components include:

1. Construction of a new Isolation Shaft over the existing 16-ft diameter Ashland Relief and 16-ft diameter Fox Creek Relief Sewers on Freud Street between Conner Street and Navahoe Street. The structure will be approximately 80-ft deep with an inside diameter of approximately 70-ft. Proposed shaft will include provisions that allow GLWA to block flow to the Freud Pump Station during dry weather so the wet well can be drained, inspected and maintained. The shaft will also include a wet well with four (4) submersible pumps that will pump dry weather flow (up to 30-mgd) through a new force main on Navahoe Street to the 9-ft diameter Detroit River Interceptor on East Jefferson Avenue.
2. Construction of new 30 mgd Freud Sanitary Pump Station. A new maintenance building will house the stop logs, electrical equipment, pump station controls, and bridge crane system to move the stop logs and submersible pumps. The proposed building is approximately 87-ft long, 50-ft wide and 35-ft tall. A courtyard will enclose the two (2) gate actuators, transformer, and emergency generator. The main floor elevation of the building will be above the 500-year flood elevation (EL. 101.00 Detroit Datum).

3. Since the Freud Sanitary Pump Station will be located in the existing Freud Street ROW, Freud Street needs to be relocated to the north. Existing utilities need to be re-routed along the new Freud Street alignment for construction of the Freud Sanitary Pump Station. GLWA has acquired 22 properties for the proposed improvements. Environmental Site Assessments have been completed for these parcels and are available upon request.

The following information has been uploaded as requested in the Petition application process:

1. Drawing C-02-101 Overall Site Plan
2. Drawing C-02-103 Utility Plan
3. Freud Pump Station Improvements Legal Descriptions 1 of 2
4. Freud Pump Station Improvements Legal Descriptions 2 of 2

This information was previously submitted to the Office of the Assessor and revised based on their input.

GLWA – Owner

- Mini Panicker, PE (mini.panicker@glwater.org) – Project Manager
- Todd King, PE (todd.king@glwater.org) – System Resiliency Officer
- Biren Saparia (biren.saparia@glwater.org) – Director, Systems Operations Control, Water and Field Services
- Tom Hall (thomas.hall@glwater.org) – Field Services

Engineering Consulting Team

- Jeff Swartz, PE (jeffry.swartz@arcadis.com) – Project Manager (Arcadis)
- Tom Armstrong, PE (thomas.armstrong@arcadis.com) – Water Resource Manager (Arcadis)
- Fred Simmons, PE (fred.simmons@arcadis.com) – Process Mechanical Design Lead (Arcadis)
- Jim O’Neill, PE (joneill@brwncald.com) – Site Civil Design Lead (Brown and Caldwell)

GLWA and Arcadis have coordinated this project with various departments within the City of Detroit over the last two (2) years. The project was first introduced to the City of Detroit (DPW City Engineering Division) on August 18, 2020. Based on that meeting and modifications to the design, we initiated the City’s Preliminary Plan Review process and conducted a meeting on July 13, 2021. After multiple meetings with Planning and Development Department and design iterations, the project received approval from Planning and Development in early 2023.

City of Detroit Department of Public Works
Right of Way Management
May 24, 2023

GLWA and Arcadis look forward to working with the City of Detroit for this critical infrastructure project. We appreciate the City's timely review and processing of this request and are available to meet and provide additional information as needed.

Sincerely,
Arcadis of Michigan, LLC



Jeffrey J. Swartz, PE
Project Manager

Email: Jeffrey.Swartz@arcadis.com
Mobile: 419.450.4316

Copy:

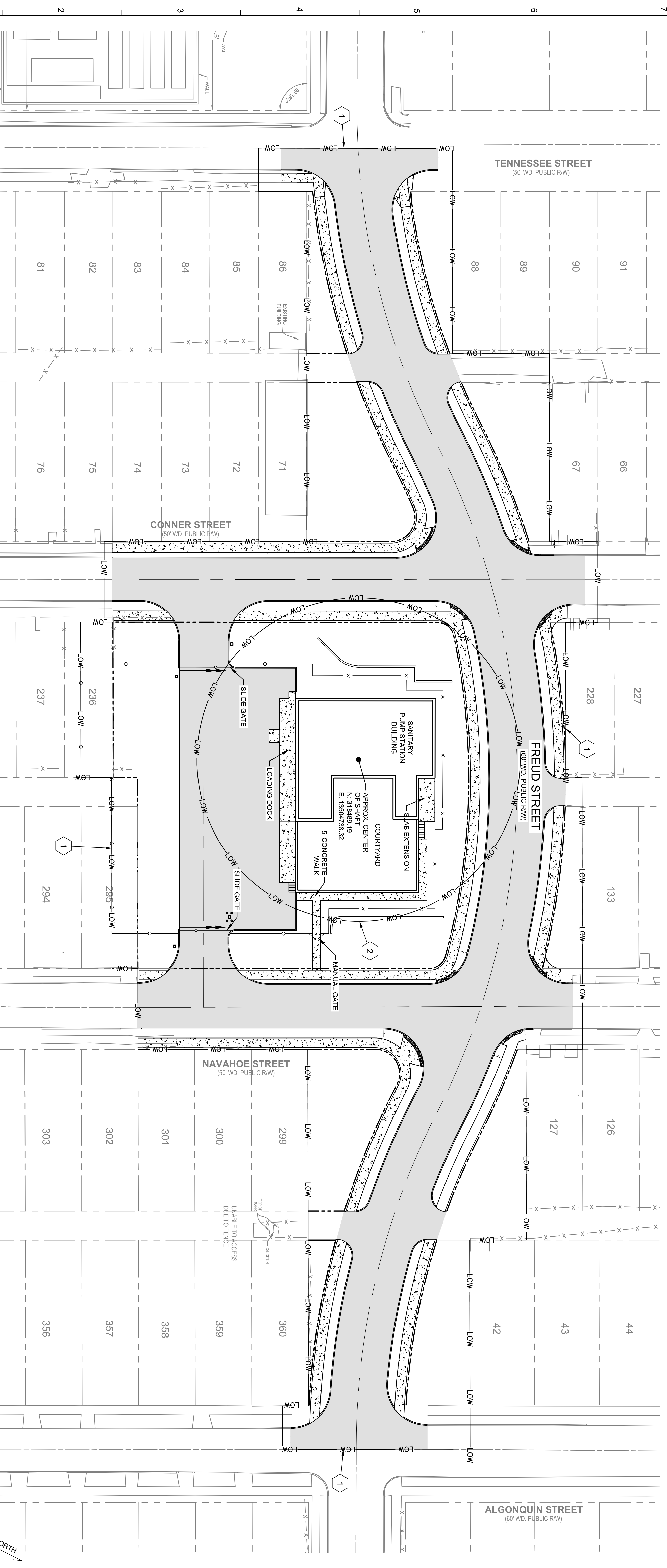
Ms. Mini Panicker, PE (GLWA)
Mr. Todd King, PE (GLWA)
Mr. Biren Saparia (GLWA)
Mr. Tom Hall (GLWA)

NOTES:

- EXISTING UTILITIES SHALL BE RELOCATED OUT OF THE LIMITS OF AREAS FOR ISO SHAFT AND OTHER LIMITS OF AREAS FOR ISO RELOCATION PLANS SHALL BE PROVIDED BY UTILITY OWNERS.

KEY NOTES:

- LIMIT OF WORK FOR ENTIRE FREUD SANITARY PUMP STATION PROJECT.
- LIMIT OF WORK FOR ISOLATION SHAFT 200 FEET DIAMETER FROM CENTER OF SHAFT. SEE STRUCTURAL DRAWINGS FOR DETAILS.



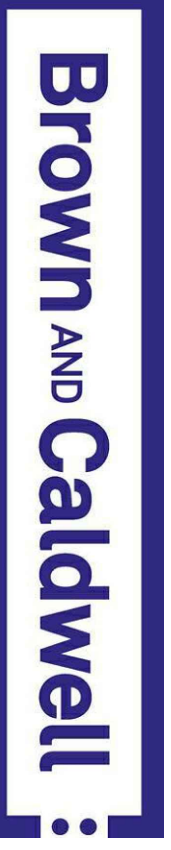
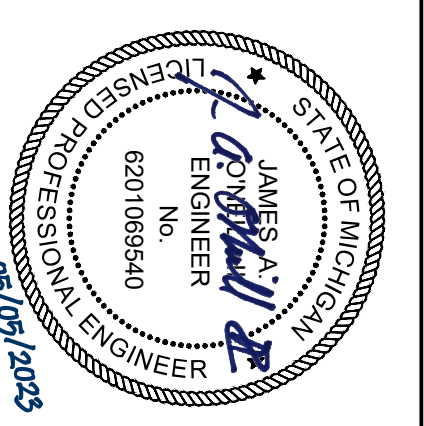
PLAN
SCALE: 1" = 30'

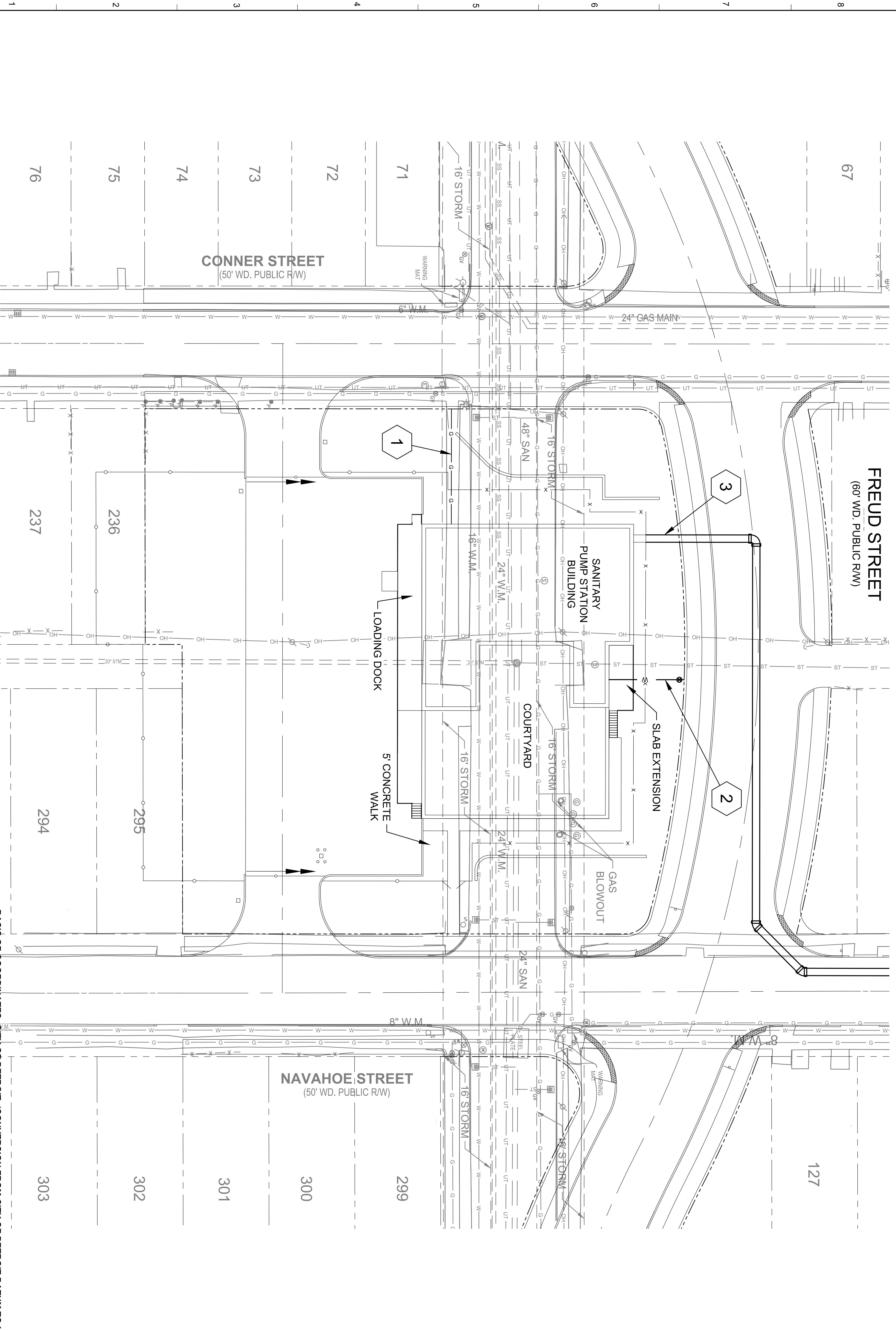
BASIS OF COORDINATES: CITY OF DETROIT. (CONVERSION FROM CITY OF DETROIT DATUM TO NAVD88: CITY OF DETROIT DATUM + 479.25 = NAVD88)

| | | | | | | | |
|--|--|--|--|--|--|----------------------------------|--|
| DESIGNED BY: X ZHANG | | DRAWN BY: J. WATTS | | CHECKED BY: J. ONEILL | | APPROVED BY: J. ONEILL | |
| 0 ISSUED FOR BID | | 05/05/2023 | | DATE | | APPROVED BY: | |
| 0 DESCRIPTIONS/REVISIONS | | DATE | | APPROVED BY: | | APPROVED BY: | |
| DESIGNED BY: X ZHANG | | DRAWN BY: J. WATTS | | CHECKED BY: J. ONEILL | | APPROVED BY: J. ONEILL | |
| LEGAL ENTITY: ARCADIS OF MICHIGAN, LLC | | COPYRIGHT: 2021 | | LEGAL ENTITY: ARCADIS OF MICHIGAN, LLC | | COPYRIGHT: 2021 | |
| SECTION MAP | | TOWN | | RANGE | | SECTION | |
| 0 6 2 D | | G | | H | | C-02-101 | |
| DRAWINGS NO. C-02-101 | | GLWA CONTRACT NO. P41004061 V. 1 | | GLWA CIP NO. 2204605 | | DRAWINGS NO. 232002 | |

FREUD PUMP STATION IMPROVEMENTS

OVERALL SITE PLAN





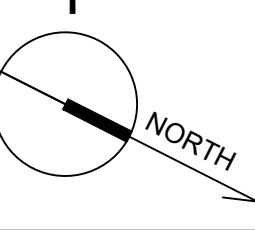
NOTES:

1. SEE GENERAL NOTES ON DRAWING C-02-101.
2. COORDINATE WITH DRAWING P-02-101 FOR UTILITY INDOOR/OUTDOOR CONNECTIONS.

KEY NOTES:

1. GAS SERVICE CONNECTION, COORDINATE SIZE, DEPTH, MATERIAL, AND REQUIREMENTS OF VALVE WITH DETE.
2. PROVIDE 4 INCHES WATER SERVICE CONNECTION USING DUCTILE IRON PIPE.
3. PROVIDE 36 INCHES SANITARY FORCE MAIN USING DUCTILE IRON PIPE. SEE DRAWINGS C-02-301 THROUGH C-02-303 FOR DETAILS.

PLAN
SCALE: 1" = 30'



BASIS OF COORDINATES: CITY OF DETROIT. (CONVERSION FROM CITY OF DETROIT DATUM TO NAVD88: CITY OF DETROIT DATUM + 479.25 = NAVD88)



LEGAL ENTITY:
ARCADIS OF MICHIGAN, LLC
COPYRIGHT: 2021



EGLE PERMIT NO.
P41004061 V. 1

GLWA CONTRACT NO.
2204605

GLWA CIP NO.
232002

FREUD PUMP STATION IMPROVEMENTS

UTILITY PLAN

DESIGNED BY:
X ZHANG

DRAWN BY:
J. WATTS

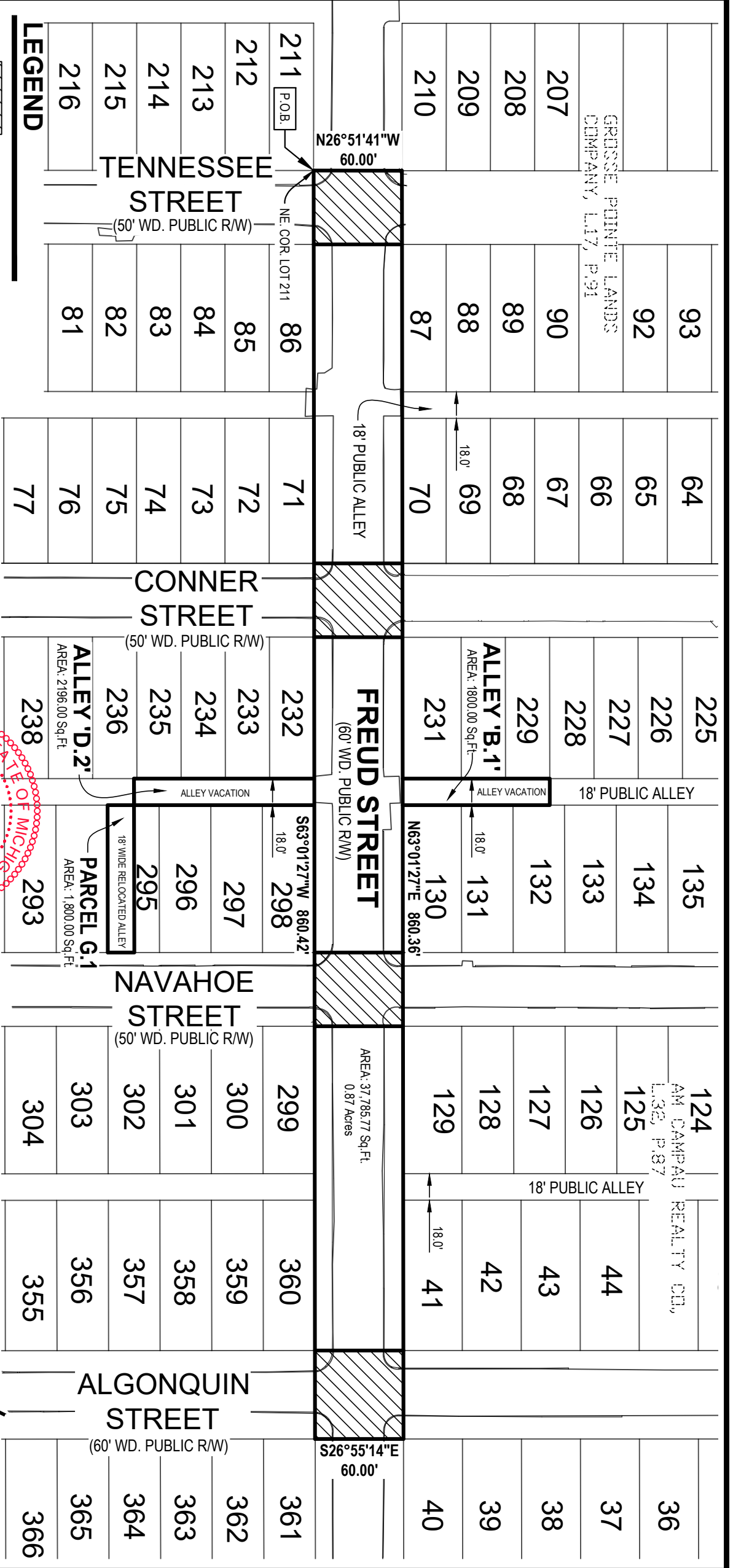
CHECKED BY:
J. ONEILL

APPROVED BY:
J. ONEILL



| No. | ISSUED FOR BID DESCRIPTIONS/REVISIONS | DATE |
|-----|---------------------------------------|------------|
| 0 | | 05/05/2023 |

| SECTION/MAP | TOWN | RANGE | SECTION | Q | Q3 | DRAWINGS NO. |
|-------------|------|-------|---------|---|----|--------------|
| 0 6 2 D | | | | | | C-02-103 |



 Right-of-Way Exception

CERTIFICATE OF SURVEY

This survey was made from the legal description shown above. The description should be compared with the Abstract of Title or Title Policy for accuracy, easements and exceptions.

SURVEYOR'S CERTIFICATE:
I certify that the requirements for 1970 PA 132, MCL 54.213 have been met. The relative positional precision of the corners identified for this survey and shown on the map are within the limits accepted by the practice of professional surveying.



By: 
 Brandon G. Parrent, Licensed Professional Surveyor No. 4001063096

SCALE: 1" = 80'

0' 40' 80'



ARCADIS U.S., Inc.
 Fredrick Simmons
 One Seagate Center, Suite 700
 Toledo, OH 43604

GLWA Freud Pump Station, Contract# GLWA-CS-120

DRAWN BY: RP DATE: 04.29.22
 REV. BY: RP REV. DATE: 01.05.23
 REV.: Reverse alleys being vacated

PRJ #: 20500038DSC22
 1 OF 2



FREUD STREET VACATION DESCRIPTION

Part of Grosse Pointe Lands Company Subdivision, being part of Private Claim 388, City of Detroit, Wayne County, Michigan, as recorded in Liber 27, Page 91, Wayne County Records, and part of AM Campau Realty Co., being part of Private Claim 322, City of Detroit, Wayne County, Michigan, as recorded in Liber 32, Page 87, Wayne County Records, described as: Commencing at the Northeast corner of Lot 211 of said Grosse Pointe Lands Company Subdivision for a Point of Beginning: thence N26°51'41"W 60.00 feet; thence N63°01'27"E 860.36 feet; thence S26°55'14"E 60.00 feet; thence S63°01'27"W 860.42 feet to the Point of Beginning. Excepting right-of-way of the Platted street crossings of Tennessee Street, Conner Street, Navahoe Street, and Algonquin street. Contains 0.87 acres.

ALLEY VACATION DESCRIPTIONS

ALLEY B. 1' VACATION DESCRIPTION: Part of AM Campau Realty Co., being part of Private Claim 322, City of Detroit, Wayne County, Michigan, as recorded in Liber 32, Page 87, Wayne County Records, described as: 18 foot public alley adjacent to Lots 229, 230, and 231 of said AM Campau Realty Co.. Contains 1800.00 square feet.

ALLEY D. 2' VACATION DESCRIPTION: Part of AM Campau Realty Co., being part of Private Claim 322, City of Detroit, Wayne County, Michigan, as recorded in Liber 32, Page 87, Wayne County Records, described as: 18 foot public alley adjacent to Lots 296, 297, and 298, and the West 17 feet of Lot 295 of said AM Campau Realty Co.. Contains 2196.00 square feet.

PARCEL G. 1 DESCRIPTION (18' WIDE RELOCATED ALLEY): Part of Lot 295, AM Campau Realty Co., being part of Private Claim 322, City of Detroit, Wayne County, Michigan, as recorded in Liber 32, Page 87, Wayne County Records, described as: Commencing at the Northeast corner of said Lot 295 as a Point of Beginning: thence S62°58'46"W 100.00 feet along the East line of said Lot 295; thence N26°55'14"W 18.00 feet along the South line of said Lot 295; thence N62°58'46"E 100.00 feet along the North line of said Lot 295; thence S26°55'14"E 18.00 feet along the East line of said Lot 295 to the Point of Beginning. Contains 1800.00 square feet. Subject to any and all easements, restrictions, right-of-way of record.

Pursuant to the alley rights per A.M. Campau Realty Company, Subdivision of part of the Lafferty Farm, P.C. 322, lying Southerly of Jefferson Avenue, conforming to the general plan of the City.

BASIS OF BEARING: NAD83 Michigan State Planes, South Zone, International Foot

CERTIFICATE OF SURVEY

This survey was made from the legal description shown above. The description should be compared with the Abstract of Title or Title Policy for accuracy, easements and exceptions.

SURVEYOR'S CERTIFICATE:

I certify that the requirements for 1970 PA 132, MCL 54.213 have been met. The relative positional precision of the corners identified for this survey and shown on the map are within the limits accepted by the practice of professional surveying.



By: 
Brandon G. Parrent Licensed Professional Surveyor No. 4001063096

NO SCALE



ARCADIS U.S., Inc.
Fredrick Simmons
One Seagate Center, Suite 700
Toledo, OH 43604

GLWA Freud Pump Station, Contract# GLWA-CS-120

DRAWN BY: RP DATE: 04.29.22
REV. BY: RP REV. DATE: 01.05.23
REV.: Reverse alleys being vacated

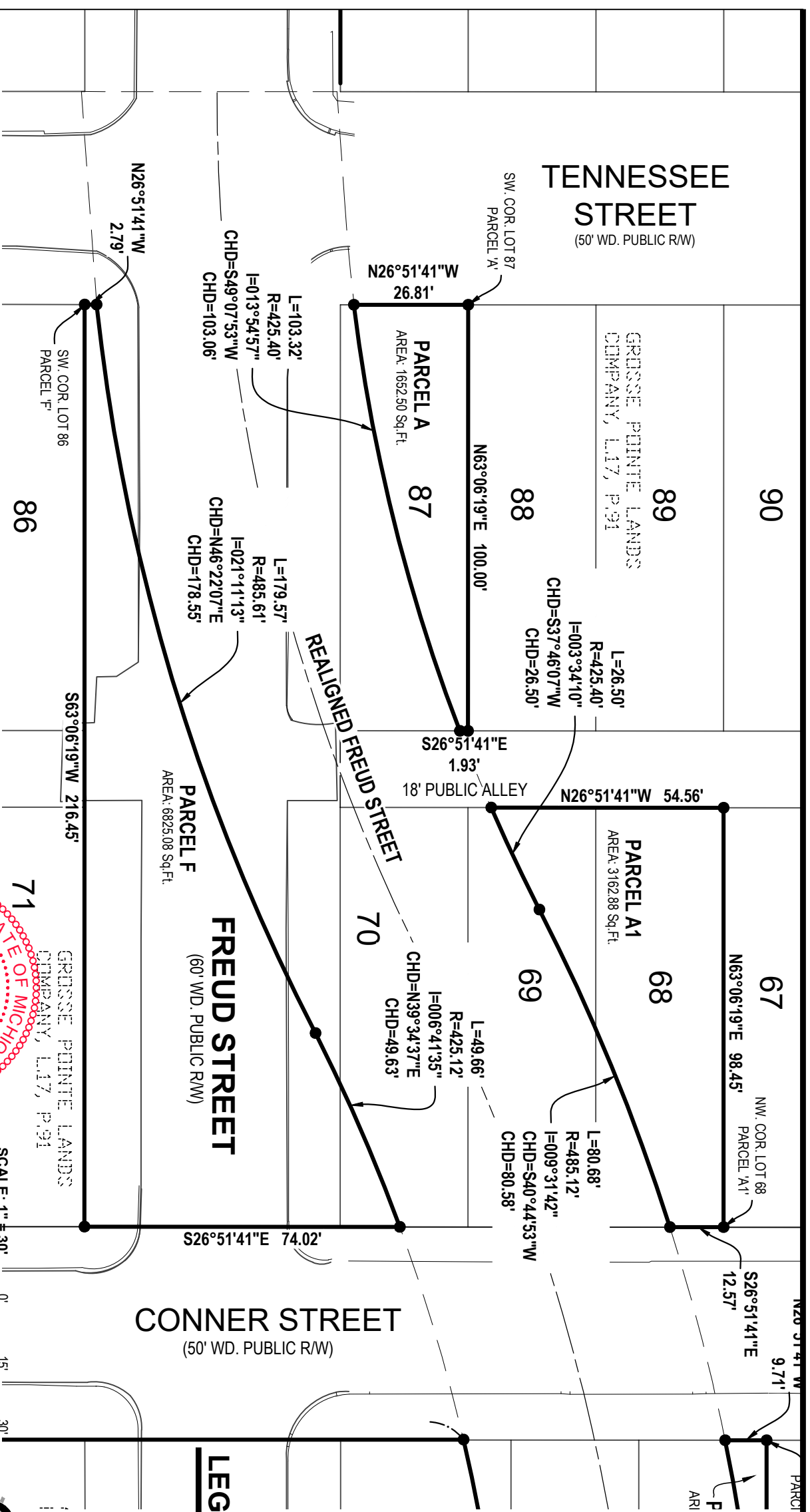
PRJ #: 20500038DSC2.2

2 OF 2

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Chicago, Columbus, Grand Rapids,
Holland, Indianapolis, St. Louis

TENNESSEE STREET
(50' WD. PUBLIC RW)



CERTIFICATE OF SURVEY

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SURVEYOR'S CERTIFICATE:
I certify that the requirements for 1970 PA 132, MCL 54.213 have been met. The relative positional precision of the corners identified for this survey and shown on the map are within the limits accepted by the practice of professional surveying.

By: 
Brandon G. Parrent Licensed Professional Surveyor No. 4001063096



LEGEND

● Iron - Set

SCALE: 1" = 30'



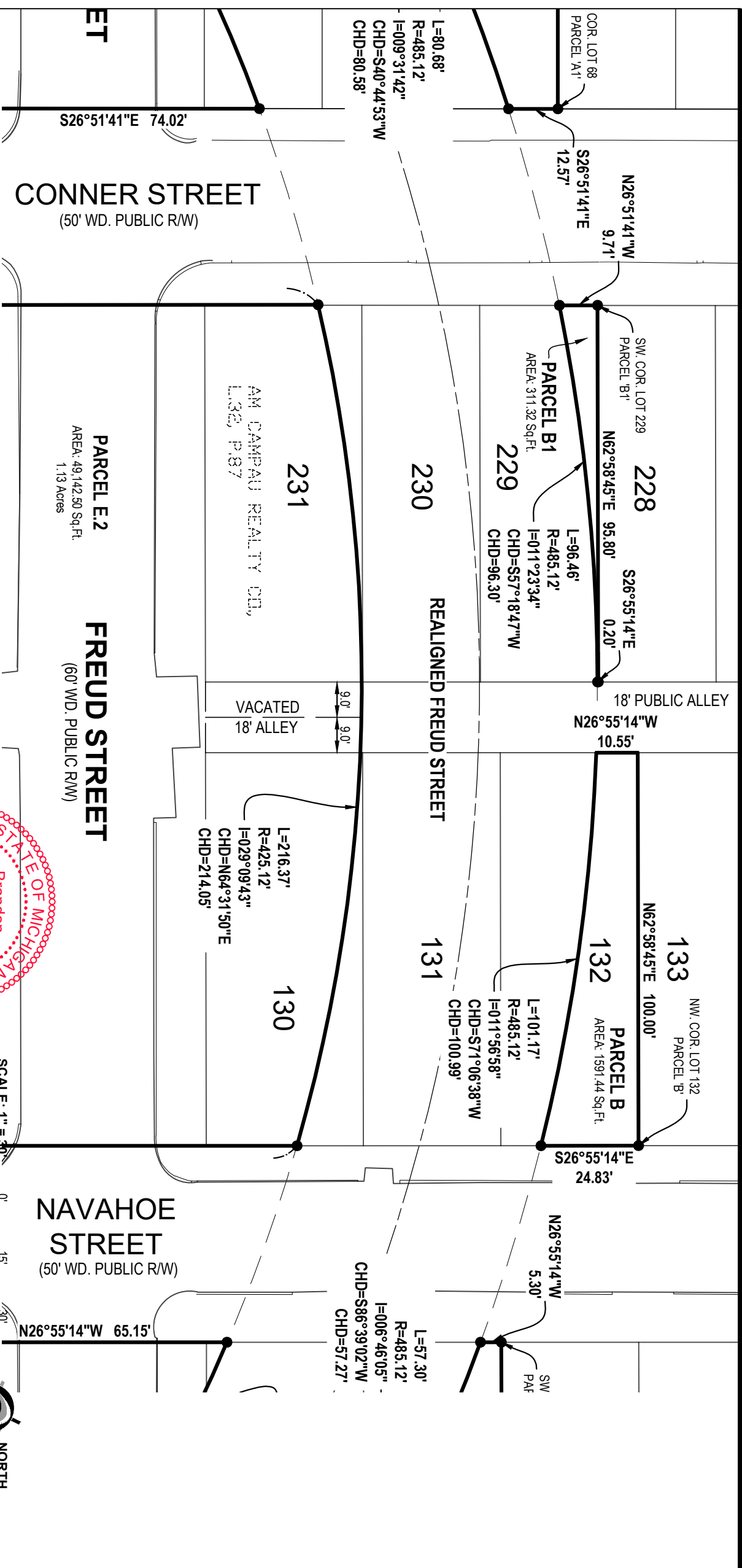
ARCADIS U.S., Inc.
Frederick Simmons
One Seagate Center, Suite 700
Toledo, OH 43604

GLWA Freud Pump Station, Contract# GLWA-CS-120

DRAWN BY: RP DATE: 04.29.22
REV. BY: RP REV. DATE: 01.06.23
REV.: Remove Parcel H

PRJ # 20500038DSC.3
1 OF 9





CERTIFICATE OF SURVEY

This survey was made from the legal description shown above. The description should be compared with the Abstract of Title or Title Policy for accuracy, easements and exceptions.

SURVEYOR'S CERTIFICATE:



I certify that the requirements for 1970 PA 132, MCL 54.213 have been met. The relative positional precision of the corners identified for this survey and shown on the map are within the limits accepted by the practice of professional surveying.

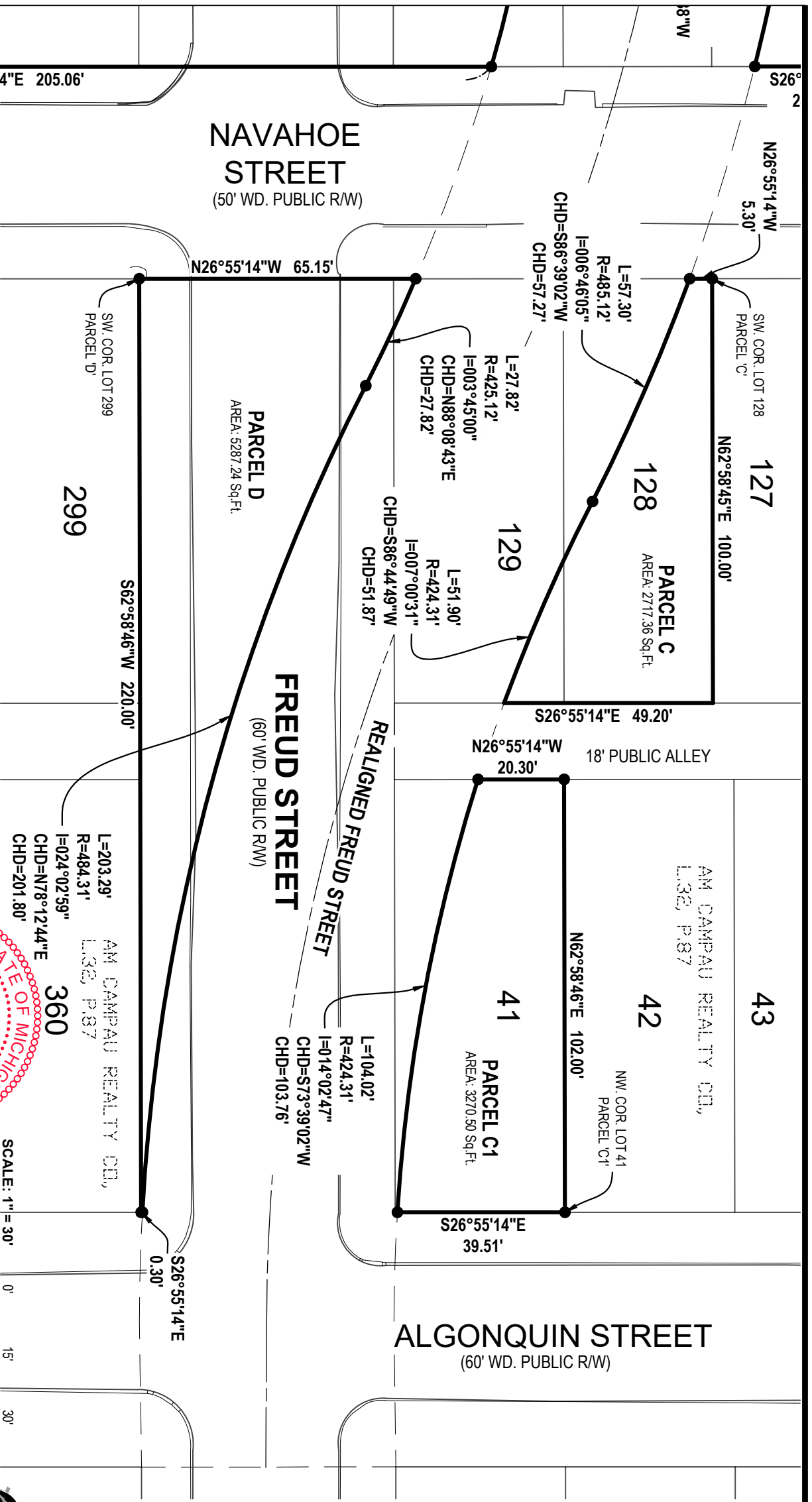
By: 
 Brandon G. Parrent Licensed Professional Surveyor No. 4001063096



SCALE: 1" = 30'



| | | | |
|--|--|---|---|
| DRAMN BY: RP REV. BY: RP REV.: Remove Parcel H | DATE: 04.29.22 REV. DATE: 01.06.23 | GLWA Freud Pump Station, Contract# GLWA-CS-120 | ARCADIS U.S., Inc. Fredrick Simmons One Seagate Center, Suite 700 Toledo, OH 43604 |
| PRJ # 20500038DSC.3 2 OF 9 | Ann Arbor 3037 Miller Rd Ann Arbor, MI 48103 www.nederveld.com • 800.222.1868 |  |  |



CERTIFICATE OF SURVEY

This survey was made from the legal description shown above. The description should be compared with the Abstract of Title or Title Policy for accuracy, easements and exceptions.

SURVEYOR'S CERTIFICATE:
 I certify that the requirements for 1970 PA 132, MCL 54.213 have been met. The relative positional precision of the corners identified for this survey and shown on the map are within the limits accepted by the practice of professional surveying.

By: 
 Brandon G. Parrent Licensed Professional Surveyor
 License No. 4001063096



SCALE: 1" = 30'



ARCADIS U.S., Inc.
 Fredrick Simmons
 One Seagate Center, Suite 700
 Toledo, OH 43604

GLWA Freud Pump Station, Contract# GLWA-CS-120

DRAWN BY: RP DATE: 04.29.22
 REV. BY: RP REV. DATE: 01.06.23
 REV.: Remove Parcel H

PRJ # 20500038DSC.3
 3 OF 9

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 Ann Arbor, MI 48103

Chicago, Columbus, Grand Rapids,
 Holland, Indianapolis, St. Louis

LHD=S40°44'33"W
CHD=80.58'

JOINTE LANDS
L.17, P.91
S26°51'41"E 74.02'

CONNER STREET
(50' WD. PUBLIC RW)

N26°55'30"W 238.85'

AM CAMPAU REALTY CO.,
L.32, P.87

231

PARCEL E.2
AREA: 49,142.50 Sq.Ft.
1.13 Acres

FREUD STREET
(60' WD. PUBLIC RW)

232

233

234

235

236

237

238

SE COR. LOT 236
P.O.B. PARCEL E.2

S62°58'46"W 95.96'

S26°55'14"E 28.00'

VACATED 18'
ALLEY

VACATED 18'
ALLEY

18' PUBLIC ALLEY

L=216.37'
R=425.12'
I=029°09'43"
CHD=N64°31'50"E
CHD=214.05'

130

298

297

296

295

294

293

18.00'

PARCEL G.1
AREA: 1,800.00 Sq.Ft.
0.04 Acres

N26°55'14"W 18.00'

S62°58'46"W 100.00'

18' WIDE RELOCATED ALLEY

S62°58'46"W 118.00'

S62°58'46"W 100.00'

S26°55'14"E 205.06'

NAVAHOE STREET
(50' WD. PUBLIC RW)

CHD=S86°39'02"W
CHD=57.27'

N26°55'14"W 65.15'

L=2
R=4
I=0C
CHI
CHI
CHI

SW. COR
PARCEL

CERTIFICATE OF SURVEY

This survey was made from the legal description shown above. The description should be compared with the Abstract of Title or Title Policy for accuracy, easements and exceptions.

SURVEYOR'S CERTIFICATE:

I certify that the requirements for 1970 PA 132, MCL 54.213 have been met. The relative positional precision of the corners identified for this survey and shown on the map are within the limits accepted by the practice of professional surveying.

By: 
Brandon G. Parrent Licensed Professional Surveyor No. 4001063096



SCALE: 1" = 40'

0' 20' 40'



ARCADIS U.S., Inc.
Frederick Simmons
One Seagate Center, Suite 700
Toledo, OH 43604

GLWA Freud Pump Station, Contract# GLWA-CS-120

DRAWN BY: RP DATE: 04.29.22
REV. BY: RP REV. DATE: 01.06.23
REV.: Remove Parcel H

PRJ #: 20500038DSC.3

4 OF 9

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Chicago, Columbus, Grand Rapids,
Holland, Indianapolis, St. Louis

DESCRIPTION

672 CONNER

Lot 236, A.M. CAMPAU REALTY COMPANY SUBDIVISION of part of the Lafferty Farm, Private Claim 322, lying southerly of Jefferson Avenue, Detroit, Wayne County, Michigan, according to the plat thereof as recorded in Liber 32, page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-16515, dated October 31, 2022; Quit Claim Deed as recorded in Liber 21464, Page 551, WCR)

675 NAVVAHOE

Lot 295, A.M. Campau Realty Co Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-16495, dated October 28, 2022; Quit Claim Deed as recorded in Liber 54799, Page 175, WCR)

678 CONNER

Lot 235, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15194, dated March 4, 2022; Warranty Deed as recorded in Liber 54131, Page 1369, WCR)

681 NAVVAHOE

Lot 296, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15100, dated February 22, 2022; Quit Claim Deed as recorded in Liber 56021, Page 1236, WCR)

This survey was made from the legal description shown above. The description should be compared with the Abstract of Title or Title Policy for accuracy, easements and exceptions.

SURVEYOR'S CERTIFICATE:

I certify that the requirements for 1970 PA 132, MCL 54.213 have been met. The relative positional precision of the corners identified for this survey and shown on the map are within the limits accepted by the practice of professional surveying.

CERTIFICATE OF SURVEY DESCRIPTION

682 CONNER

Lot 234, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15187, dated March 4, 2022; Warranty Deed as recorded in Liber 54131, Page 1369, WCR)

686 CONNER

Lot 233, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15188, dated March 4, 2022; Quit Claim Deed as recorded in Liber 54800, Page 151, WCR)

687 NAVVAHOE

Lot 297, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15101, dated February 22, 2022; Quit Claim Deed as recorded in Liber 52589, Page 578, WCR)

692 CONNER

Lot 232, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15103, dated February 22, 2022; Quit Claim Deed as recorded in Liber 52316, Page 1009, WCR)

This survey was made from the legal description shown above. The description should be compared with the Abstract of

DESCRIPTION

693 NAVVAHOE

Lot 298, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15107, dated February 23, 2022; Warranty Deed as recorded in Liber 57048, Page 798, WCR)

700 CONNER

Lot 231, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15189, dated March 4, 2022)

700 NAVVAHOE

Lot 129, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15102, dated February 22, 2022; Quit Claim Deed as recorded in Liber 56609, Page 634, WCR)

701 CONNER

Lot 70, Grosse Pointe Lands COS Subdivision, according to the plat thereof, as recorded in Liber 27, Page 91 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15104, dated February 22, 2022; Quit Claim Deed as recorded in Liber 51895, Page 1402, WCR)

NO SCALE



ARCADIS U.S., Inc.
Frederick Simmons
One Seagate Center, Suite 700
Toledo, OH 43604

GLWA Freund Pump Station, Contract# GLWA-CS-120

By:
Brandon G. Parrent, Licensed Professional Surveyor No. 4001063096

DRAWN BY: RP
REV. BY: RP
REV.: Remove Parcel H

DATE: 04.29.22
REV. DATE: 01.06.23

PRJ # 20500038DSC.3
5 OF 9



Ann Arbor
3037 Miller Rd
Ann Arbor, MI 48103
Chicago, Columbus, Grand Rapids,
Holland, Indianapolis, St. Louis

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CERTIFICATE OF SURVEY

DESCRIPTION

703 NAVAHOE

Lot 130, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15105, dated February 22, 2022; Quit Claim Deed as recorded in Liber 51895, Page 1415, WCR)

705 ALGONQUIN

Lot 41, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15195, dated March 4, 2022; Declaration of Taking as recorded in Liber 57467, Page 706, WCR)

707 CONNER

Lot 69, Grosse Pointe Lands COS Subdivision, according to the plat thereof, as recorded in Liber 27, Page 91 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15191, dated March 4, 2022; Warranty Deed as recorded in Liber 57348, Page 797, WCR)

710 CONNER

Lot 230, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15190, dated March 4, 2022)

This survey was made from the legal description shown above. The description should be compared with the Abstract of Title or Title Policy for accuracy, easements and exceptions.

SURVEYOR'S CERTIFICATE:

I certify that the requirements for 1970 PA 132, MCL 54.213 have been met. The relative positional precision of the corners identified for this survey and shown on the map are within the limits accepted by the practice of professional surveying.

DESCRIPTION

710 NAVAHOE

Lot 128, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15108, dated February 23, 2022; Quit Claim Deed as recorded in Liber 48218, Page 1297, WCR)

711 NAVAHOE

Lot 131, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15106, dated February 22, 2022; Quit Claim Deed as recorded in Liber 52673, Page 238, WCR)

713 CONNER

Lot 68, Grosse Pointe Lands COS Subdivision, according to the plat thereof, as recorded in Liber 27, Page 91 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15192, dated March 4, 2022; Warranty Deed as recorded in Liber 57348, Page 797, WCR)

DESCRIPTION

716 CONNER

Lot 229, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15193, dated March 4, 2022)

717 NAVAHOE

Lot 132, A. M. Campau Realty Company Subdivision, according to the plat thereof, as recorded in Liber 32, Page 87 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15109, dated February 23, 2022; Quit Claim Deed as recorded in Liber 51587, Page 49, WCR)

12415 FREUD

Lot 87, Grosse Pointe Lands COS Subdivision, according to the plat thereof, as recorded in Liber 27, Page 91 of Plats, Wayne County Records.

(Detroit Title and Escrow Agent, File No. FT-15110, dated February 23, 2022; Warranty Deed as recorded in Liber 57142, Page 529, WCR)

NO SCALE

NORTH



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ARCADIS U.S., Inc.
Fredrick Simmons
One Seagate Center, Suite 700
Toledo, OH 43604

GLWA Freud Pump Station, Contract# GLWA-CS-120

DRAWN/BY: RP DATE: 04.29.22
REV. BY: RP REV. DATE: 01.06.23
REV.: Remove Parcel H

PRJ # 20500038DSC.3
6 OF 9

Ann Arbor
3037 Miller Rd
Ann Arbor, MI 48103
Chicago, Columbus, Grand Rapids,
Holland, Indianapolis, St. Louis

CERTIFICATE OF SURVEY

DESCRIPTION

PARCEL A DESCRIPTION: Part of Lot 87, Grosse Pointe Lands Company Subdivision, being part of Private Claim 388, City of Detroit, Wayne County, Michigan, as recorded in Liber 27, Page 91, Wayne County Records, described as: Commencing at the Southwest corner of said Lot 87 as a Point of Beginning; thence N63°06'19"E 100.00 feet along the West line of said Lot 87; thence S26°51'41"E 1.93 feet along the North line of said Lot 87; thence Southwesterly 103.32 feet along a 425.40 foot radius curve to the right, said curve having a central angle of 13°54'57", and a chord bearing S49°07'53"W 103.06 feet; thence N26°51'41"W 26.81 feet to the Point of Beginning. Contains 1652.50 square feet. Subject to any and all easements, restrictions, right-of-way of record.

PARCEL A1 DESCRIPTION: Part of Lots 68 and 69, Grosse Pointe Lands Company Subdivision, being part of Private Claim 388, City of Detroit, Wayne County, Michigan, as recorded in Liber 27, Page 91, Wayne County Records, described as: Commencing at the Northwest corner of said Lot 68 as a Point of Beginning; thence S26°51'41"E 12.57 feet along the North line of said Lot 68; thence Southwesterly 80.68 feet along a 485.12 foot radius curve to the left, said curve having a central angle of 09°31'42", and a chord bearing S40°44'53"W 80.58 feet; thence Southwesterly 26.50 feet along a 425.40 foot radius curve to the right, said curve having a central angle of 03°34'10", and a chord bearing S37°46'07"W 26.50 feet; thence N26°51'41"W 54.56 feet; thence N63°06'19"E 98.45 feet along the West line of said Lot 68 to the Point of Beginning. Contains 3162.88 square feet. Subject to any and all easements, restrictions, right-of-way of record.

DESCRIPTION

PARCEL B DESCRIPTION: Part of Lot 132, AM Campau Realty Co., being part of Private Claim 322, City of Detroit, Wayne County, Michigan, as recorded in Liber 32, Page 87, Wayne County Records, described as: Commencing at the Northwest corner of said Lot 132 as a Point of Beginning; thence S26°55'14"E 24.83 feet along the North line of said Lot 132; thence Southwesterly 101.17 feet along a 485.12 foot radius curve to the left, said curve having a central angle of 11°56'58", and a chord bearing S71°06'38"W 100.99 feet; thence N26°55'14"W 10.55 feet along the South line of said Lot 132; thence N62°58'45"E 100.00 feet along the West line of said Lot 132 to the Point of Beginning. Contains 1591.44 square feet. Subject to any and all easements, restrictions, right-of-way of record.

PARCEL B1 DESCRIPTION: Part of Lot 229, AM Campau Realty Co., being part of Private Claim 322, City of Detroit, Wayne County, Michigan, as recorded in Liber 32, Page 87, Wayne County Records, described as: Commencing at the Southwest corner of said Lot 229 as a Point of Beginning; thence N62°58'45"E 95.80 feet along the West line of said Lot 229; thence S26°55'14"E 0.20 feet along the North line of Lot 229 of said AM Campau Realty Co.; thence Southwesterly 96.46 feet along a 485.12 foot radius curve to the left, said curve having a central angle of 11°23'34", and a chord bearing S57°18'47"W 96.30 feet; thence N26°51'41"W 9.71 feet along the South line of said Lot 229 to the Point of Beginning. Contains 311.32 square feet. Subject to any and all easements, restrictions, right-of-way of record.

DESCRIPTION

PARCEL C DESCRIPTION: Part of Lots 128 and 129, AM Campau Realty Co., being part of Private Claim 322, City of Detroit, Wayne County, Michigan, as recorded in Liber 32, Page 87, Wayne County Records, described as: Commencing at the Southwest corner of said Lot 128 as a Point of Beginning; thence N62°58'45"E 100.00 feet along the West line of said Lot 128; thence S26°55'14"E 49.20 feet along the North line of said Lots 128 and 129; thence Southwesterly 51.90 feet along a 424.31 foot radius curve to the right, said curve having a central angle of 07°00'31", and a chord bearing S86°44'49"W 51.87 feet; thence Southwesterly 57.30 feet along a 485.12 foot radius curve to the left, said curve having a central angle of 06°46'05", and a chord bearing S86°39'02"W 57.27 feet; thence N26°55'14"W 5.30 feet along the South line of said Lot 128 to the Point of Beginning. Contains 2717.36 square feet. Subject to any and all easements, restrictions, right-of-way of record.

PARCEL C1 DESCRIPTION: Part of Lot 41, AM Campau Realty Co., being part of Private Claim 322, City of Detroit, Wayne County, Michigan, as recorded in Liber 32, Page 87, Wayne County Records, described as: Commencing at the Northwest corner of said Lot 41 as a Point of Beginning; thence S26°55'14"E 39.51 feet along the North line of said Lot 41; thence Southwesterly 104.02 feet along a 424.31 foot radius curve to the right, said curve having a central angle of 14°02'47", and a chord bearing S73°39'02"W 103.76 feet; thence N26°55'14"W 20.30 feet along the South line of said Lot 41 to the Point of Beginning. Contains 3270.50 square feet. Subject to any and all easements, restrictions, right-of-way of record.

BASIS OF BEARING: NAD83 Michigan State Planes South Zone, International Foot

This survey was made from the legal description shown above. The description should be compared with the Abstract of Title or Title Policy for accuracy, easements and exceptions.

SURVEYOR'S CERTIFICATE: I certify that the requirements for 1970 PA 132, MCL 54.213 have been met. The relative positional precision of the corners identified for this survey and shown on the map are within the limits accepted by the practice of professional surveying.

By: 
 Brandon G. Parrent, Licensed Professional Surveyor No. 4001063096



NO SCALE



ARCADIS U.S., Inc.
 Fredrick Simmons
 One Seagate Center, Suite 700
 Toledo, OH 43604

GLWA Freud Pump Station, Contract# GLWA-CS-120

DRAWN BY: RP DATE: 04.29.22
 REV. BY: RP REV. DATE: 01.06.23
 REV.: Remove Parcel H

PRJ # 20500038DSC.3

7 OF 9

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DESCRIPTION

PARCEL D DESCRIPTION: Part of Lot 129, and vacated Freud Street adjacent to Lots 299 and 360, AM Campau Realty Co., being part of Private Claim 322, City of Detroit, Wayne County, Michigan, as recorded in Liber 32, Page 87, Wayne County Records, described as: Commencing at the Southwest corner of said Lot 299 as a Point of Beginning; thence N26°55'14"W 65.15 feet along the South line of said Lot 129 and an extension thereof; thence Northeastly 27.82 feet along a 425.12 foot radius curve to the right, said curve having a central angle of 03°45'00", and a chord bearing N88°08'43"E 27.82 feet; thence Northeastly 203.29 feet along a 484.31 foot radius curve to the left, said curve having a central angle of 24°02'59", and a chord bearing N78°12'44"E 201.80 feet; thence S26°55'14"E 0.30 feet; thence S62°58'46"W 220.00 feet along the West line of said Lots 299 and 360 to the Point of Beginning. Contains 5287.24 square feet. Subject to any and all easements, restrictions, right-of-way of record.

PARCEL E.2 DESCRIPTION: Part of Lots 130, 231, 232, 233, 234, 235, 236, 295, 296, 297, and 298, and vacated 18 foot public alley adjacent to said Lots 130, 296, 297, and 298, and adjacent to the West 17 feet of said Lot 295, and vacated Freud Street adjacent to said Lots 130 and 231, AM Campau Realty Co., being part of Private Claim 322, City of Detroit, Wayne County, Michigan, as recorded in Liber 32, Page 87, Wayne County Records, described as: Commencing at the Southeast corner of said Lot 236 as a Point of Beginning; thence N26°55'30"W 238.85 feet along the South line of said Lot 231 and an extension thereof, and the South line of said Lots 232, 233, 234, 235, and 236; thence Northeastly 216.37 feet along a 425.12 foot radius curve to the right, said curve having a central angle of 29°09'43", and a chord bearing N64°31'50"E 214.05 feet; thence S26°55'14"E 205.06 feet along the North line of said Lot 130 and an extension thereof, and the North line of said Lots 295, 296, 297, and 298; thence S62°58'46"W 118.00 feet; thence S26°55'14"E 28.00 feet along the North line of said Lot 236; thence S62°58'46"W 95.96 feet along the East line of said Lot 236 to the Point of Beginning. Contains 49,142.50 square feet, 1.13 acres. Subject to any and all easements, restrictions, right-of-way of record.

CERTIFICATE OF SURVEY DESCRIPTION

PARCEL F DESCRIPTION: Part of Lot 70, Grosse Pointe Lands Company Subdivision, being part of Private Claim 388, City of Detroit, Wayne County, Michigan, as recorded in Liber 27, Page 91, Wayne County Records, and that portion of vacated Freud Street adjacent to Lots 71 and 86 of said Grosse Pointe Lands Company Subdivision, described as: Commencing at the Southwest corner of said Lot 86 as a Point of Beginning; thence N26°51'41"W 2.79 feet; thence Northeastly 179.57 feet along a 485.61 foot radius curve to the left, said curve having a central angle of 21°11'13", and a chord bearing N46°22'07"E 178.55 feet; thence Northeastly 49.66 feet along a 425.12 foot radius curve to the right, said curve having a central angle of 06°41'35", and a chord bearing N39°34'37"E 49.63 feet; thence S26°51'41"E 74.02 feet; thence S63°06'19"W 216.45 feet along the West line of said Lots 71 and 86 to the Point of Beginning. Contains 6825.08 square feet. Subject to any and all easements, restrictions, right-of-way of record.

PARCEL G.1 DESCRIPTION (18' WIDE RELOCATED ALLEY): Part of Lot 295, AM Campau Realty Co., being part of Private Claim 322, City of Detroit, Wayne County, Michigan, as recorded in Liber 32, Page 87, Wayne County Records, described as: Commencing at the Northeast corner of said Lot 295 as a Point of Beginning; thence S62°58'46"W 100.00 feet along the East line of said Lot 295; thence N26°55'14"W 18.00 feet along the South line of said Lot 295; thence N62°58'46"E 100.00 feet along the North line of said Lot 295; thence S26°55'14"E 18.00 feet along the East line of said Lot 295 to the Point of Beginning. Contains 1800.00 square feet. Subject to any and all easements, restrictions, right-of-way of record.

Pursuant to the alley rights per A.M. Campau Realty Company, Subdivision of part of the Lafferty Farm, P.C. 322, lying Southerly of Jefferson Avenue, conforming to the general plan of the City.

BASIS OF BEARING: NAD83 Michigan State Planes
South Zone, International Foot

This survey was made from the legal description shown above. The description should be compared with the Abstract of Title or Title Policy for accuracy, easements and exceptions.

SURVEYOR'S CERTIFICATE:
I certify that the requirements for 1970 PA 132, MCL 54.213 have been met. The relative positional precision of the corners identified for this survey and shown on the map are within the limits accepted by the practice of professional surveying.

By: 
Brandon G. Parrent, Licensed Professional Surveyor No. 4001063096



NO SCALE



ARCADIS U.S., Inc.
Fredrick Simmons
One Seagate Center, Suite 700
Toledo, OH 43604

GLWA Freud Pump Station, Contract# GLWA-CS-120

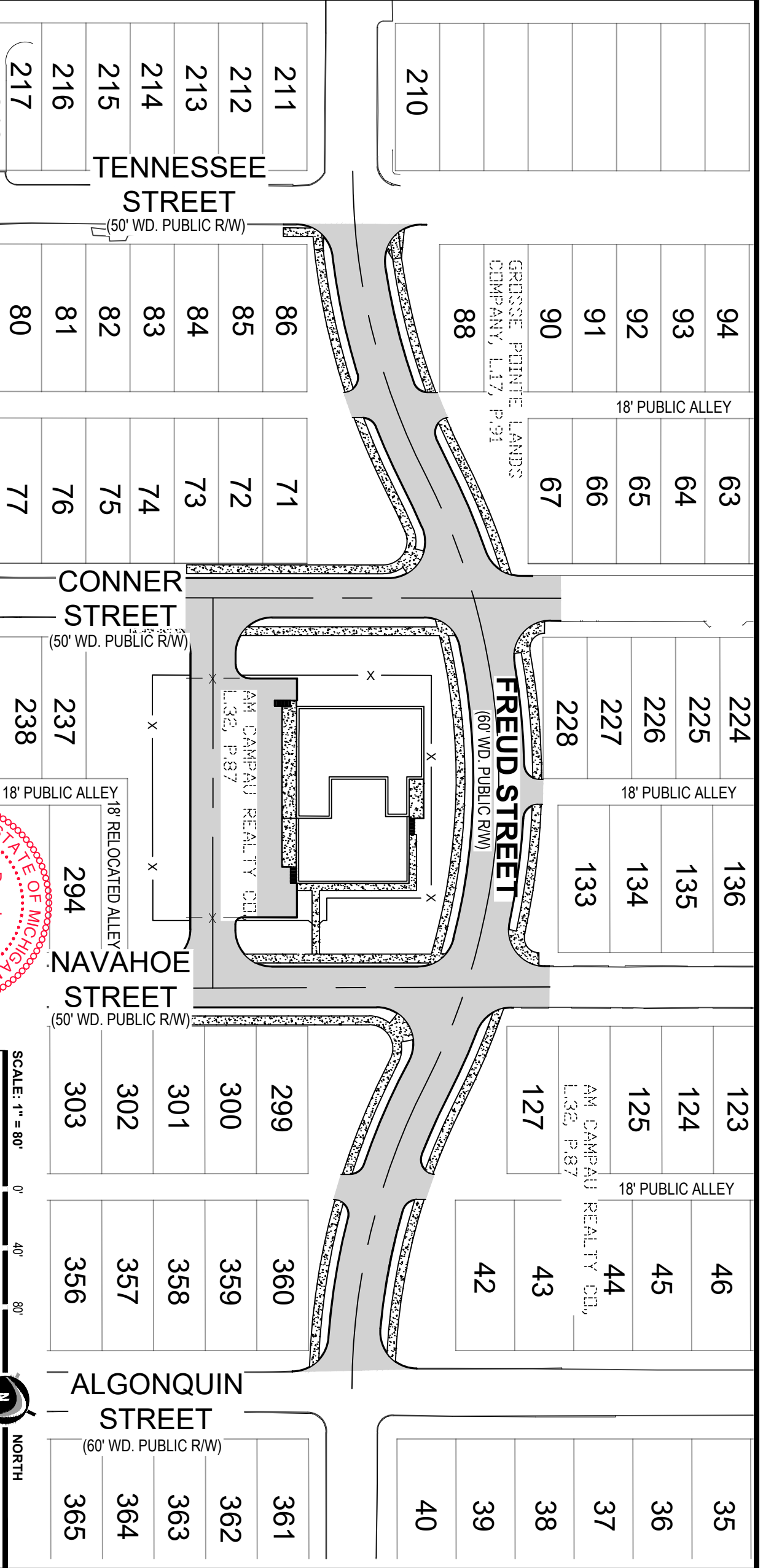
DRAWN BY: RP DATE: 04.29.22
REV. BY: RP REV. DATE: 01.06.23
REV.: Remove Parcel H

PRJ # 20500038DSC.3

8 OF 9

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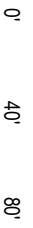


This sketch was made from the legal description shown above. The description should be compared with the Abstract of Title or Title Policy for accuracy, easements and exceptions.

By: 
 Brandon G. Parrent Licensed Professional Surveyor No. 4001063096



SCALE: 1" = 80'



ARCADIS U.S., Inc.
 Fredrick Simmons
 One Seagate Center, Suite 700
 Toledo, OH 43604

GLWA Freud Pump Station, Contract# GLWA-CS-120

DRAWN BY: RP DATE: 09.20.22
 REV. BY: RP REV. DATE: 01.06.23
 REV.: Remove Parcel H

PRJ #: 20500038DSC3.3
 9 OF 9

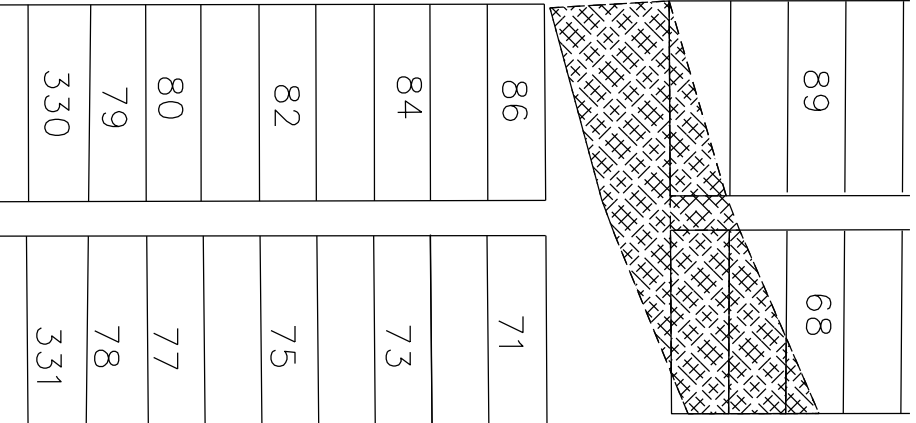
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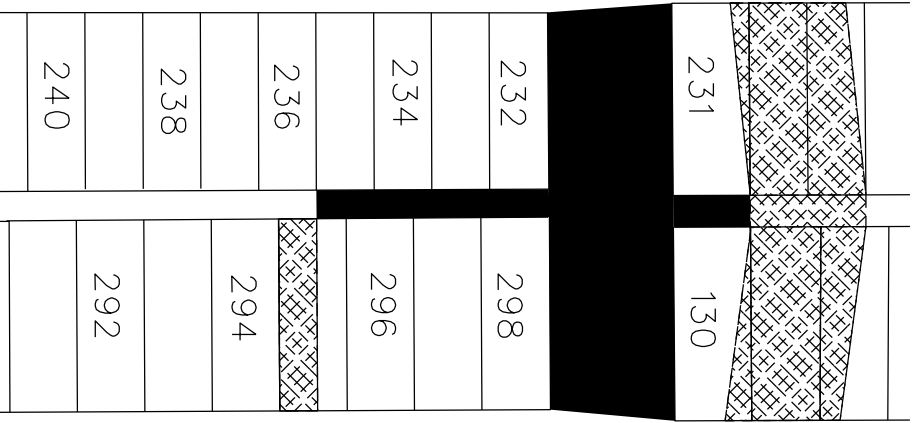
Chicago, Columbus, Grand Rapids,
 Holland, Indianapolis, St. Louis



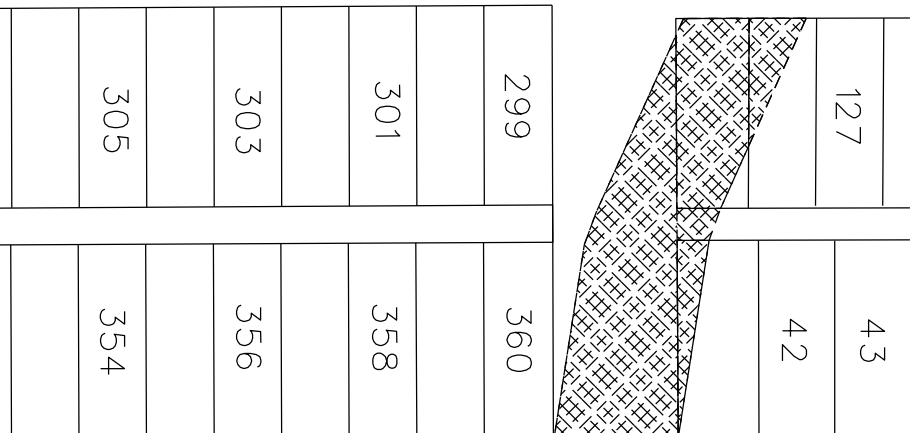
TENNESSEE ST. 50 FT. WD.



CONNER ST. 50 FT. WD.



NAVAHOE ST. 50 FT. WD.



ALGONQUIN ST. 60 FT. WD.

- OUTRIGHT VACATION
- REQUEST STREET DEDICATION

(FOR OFFICE USE ONLY)

CARTO 62 C & D

| | | | | | | | | | | |
|---|-------------|---------|------------|------|------|---|--|---------|----------|----------------------------------|
| B | | | | | | <p>REQUEST DEDICATION OF FREUD ST. AND REQUEST TO OUTRIGHT VACATE PUBLIC ALLEYS BETWEEN TENNESSEE, ALGONQUIN, NORTH AND SOUTH OF FREUD ST.</p> | | | | |
| A | DESCRIPTION | DRWN | CHRD | APPD | DATE | | CITY OF DETROIT CITY ENGINEERING DIVISION | JOB NO. | 23-73 | CITY OF DETROIT SURVEY BUREAU |
| | REVISIONS | CHECKED | LC | | | | DRAWN BY | AP | APPROVED | JD |
| | | DATE | 05-26-2023 | | | | DRWG. NO. | | | |