



Central Services Facility

313-267-8000 • detroitmi.gov/DWSD

Date:

	Name	Title	Signature	Date
Reviewed by:			Mohammad Siddique	
Approved by:			Mohammad Siddique For Syed Ali	

PROVISIONS FOR ENCROACHMENT

1. By approval of this petition the Detroit Water and Sewerage Department (DWSD) does not waive any of its rights to its facilities located in the right of way, and at all time, DWSD, its agents or employees, shall have the right to enter upon the right of way to maintain, repair, alter, service, inspect, or install its facilities. All costs incident to the damaging, dismantling, demolishing, removal and replacement of structures or other improvements herein permitted and incurred in gaining access to DWSD's facilities for maintenance, repairing, alteration, servicing, or inspection by DWSD shall be borne by the petitioner. All costs associated with gaining access to DWSD's facilities, which could normally be expected had the petitioner not encroached into the right of way shall be borne by DWSD.
2. All construction performed under this petition shall not be commenced until after five (5) days written notice to DWSD. Seventy-two (72) hour notice shall also be provided in accordance with P.A. 53 1974, as amended, utilizing the MISS DIG one call system.
3. Construction under this petition is subject to inspection and approval by DWSD. The cost of such inspection shall, at the discretion of DWSD, be borne by the petitioner.
4. DWSD prohibits the use of heavy construction equipment or the storage of building material directly over or near DWSD facilities. DWSD also prohibits the use of cranes and balls or hydraulic rams for pavement removal where DWSD facilities are involved. If the water main or sewer facilities are broken or damaged as a result of any action on the part of the contractor, the contractor shall be liable for all costs incidental to the repair of such broken or damaged water main or sewer facilities. If DWSD facilities located within the street shall break or be damaged as the result of any action on the part of the petitioner, then in such event the petitioner agrees to be liable for all costs incident to the repair, replacement or relocation of such broken or damaged DWSD facilities.
5. The petitioner shall hold DWSD harmless for any damage to the encroaching device constructed or installed under this petition, which may be caused by the failure of DWSD's facilities.
6. If at any time in the future the petitioner shall request removal and / or relocation of DWSD's facilities in the street being encroached upon, the petitioner agrees to pay all costs for such removal and/or relocation.
7. Prior to construction, Easement Encroachment Permit (EEP) should be obtained and the insurance required by the EEP should not expire until after completion of the construction.
8. For any proposed work that involves DWSD water mains and/or sewers, an approval and a permit is required from DWSD before commencement of work.
9. It is DWSD's requirement that any proposed utility crossing DWSD water mains and/or sewers perpendicularly must maintain a minimum of 18 inches vertical clearance. Any proposed utility running adjacent to DWSD water mains and/or sewers must maintain a minimum of 10 feet lateral clearance including any conduit and/or manholes walls. No utility is allowed to run along the top of the water main or/or sewer.
10. It is DWSD's requirement that no encroachment has a vertical clearance of less than 16 feet from the ground surface over DWSD water mains and/or sewers.



DATE: 5/23/25

TO: City of Detroit DPW

FROM: Kevin Deters
Metro Signs & Lighting

RE: Encroachment for projecting sign at "GW Home Detroit"
1201 Woodward
SGN2025-00091

We are applying for a permit for a projecting sign. The sign is a 1.66' x 7.25' (12 sq feet). The total projection is 26 inches from the building. The sign's underclearance is 13.5 feet.

Feel free to call me at (586)759-2700 if anything else is needed. Thank you for your assistance.

Kevin Deters 5-23-25



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

WRITTEN ACCEPTANCE OF THE TERMS AND CONDITIONS OF
DETROIT CITY COUNCIL RESOLUTION
PETITION NUMBER , ADOPTED

Karin Daniels at Metro Detroit Signs, whose address is
11444 Kalfz Ave Warren MI 48089, (hereinafter referred to as the "Permittee") do hereby accept the terms and conditions of the City Council Resolution granting Petition Number , and agrees to comply with its requirements; and further, that pursuant to the said Resolution, Permittee does hereby agree to defend, indemnify and save harmless the City of Detroit from any and all claims, liabilities, obligations, penalties, costs, charges, demands, losses, damages, or expenses (including without limitation, fees, and expenses of attorneys, expert witness and other consultants) that may be imposed upon, incurred by or asserted against the City of Detroit or its departments, officers, employees, or agents by reason of the issuance of said permit(s), or the performance or non-performance by the Permittee of the terms of the permit(s) hereof, or that may rise out of its activities described in said Resolution by Permittee and its personnel, agents, representatives and employees.

Permittee agrees to waive, release and discharge the City of Detroit or its departments, officers, employees, or agents from any and all liability, claims, demands, and causes of action whatsoever, legal and equitable, because of damages, losses, or injuries to Permittee or Permittee's property or both, arising from or related to Permittee's activities described in said Resolution. Permittee agrees and covenants not to sue the City of Detroit or its departments, officers, employees, or agents, and to refrain from instituting, continuing, presenting, subrogating, collecting or in any way aiding or proceeding upon any claims, judgments, debts, causes of action, suits and proceedings of any kind at law or in equity arising from or related to Permittee's activities described in said Resolution.

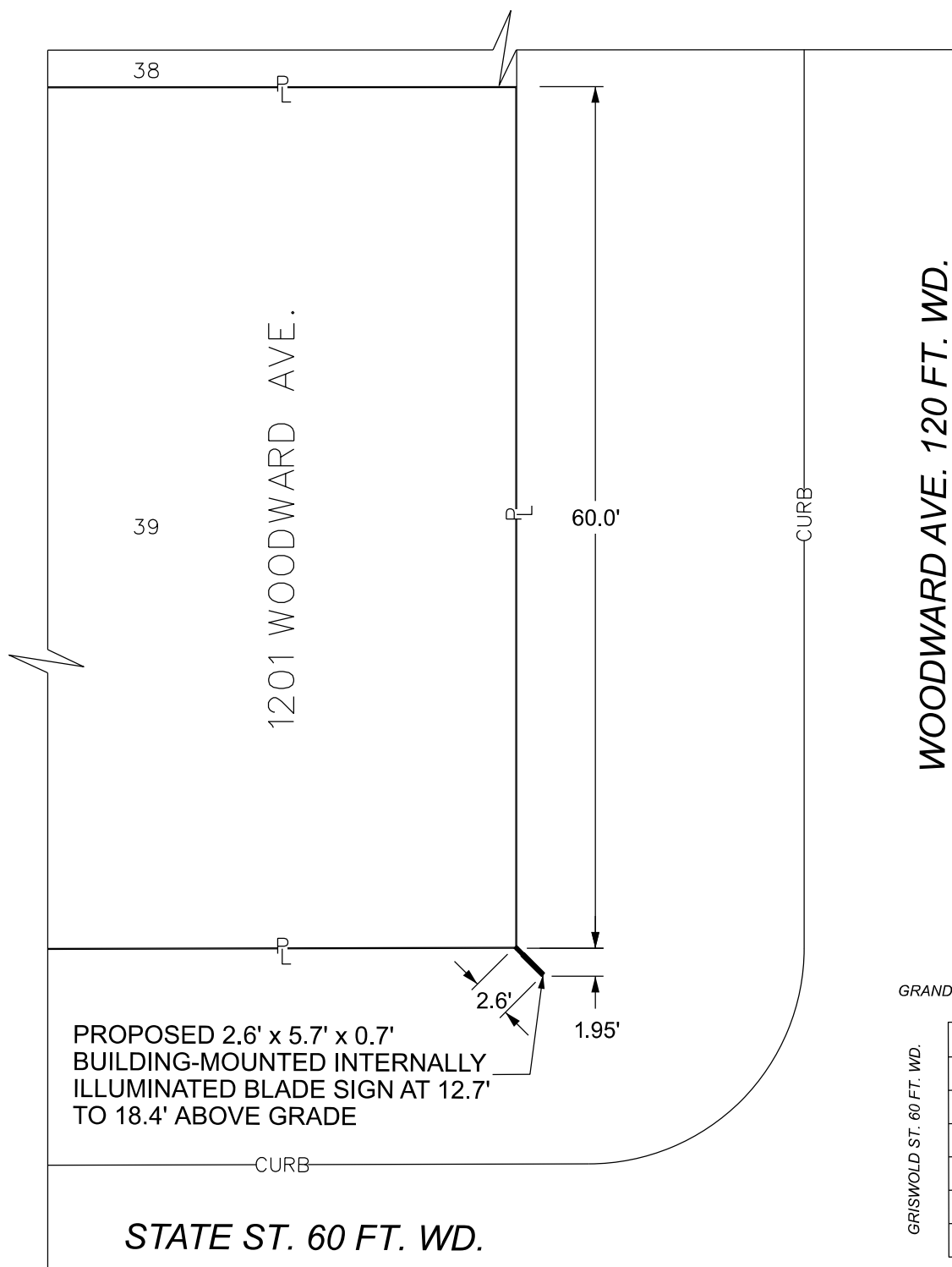
Date May 28, 2025

Permittee Signature: _____

Ben Dotz



GRAND RIVER AVE. 60 FT. WD.



GRAND RIVER AVE. 60 FT. WD.

69	33
70	34
71	35
72	36
73	37
74	38
75	39

STATE ST. 60 FT. WD.

 - REQUEST ENCROACHMENT (FOR BUILDING-MOUNTED SIGN)

(FOR OFFICE USE ONLY)

CARTO 28 B

B					
A					
DESCRIPTION		DRWN	CHKD	APPD	DATE
REVISIONS					
DRAWN BY		CHECKED		AP/LC	
DATE		APPROVED		GE	
05-27-2025					

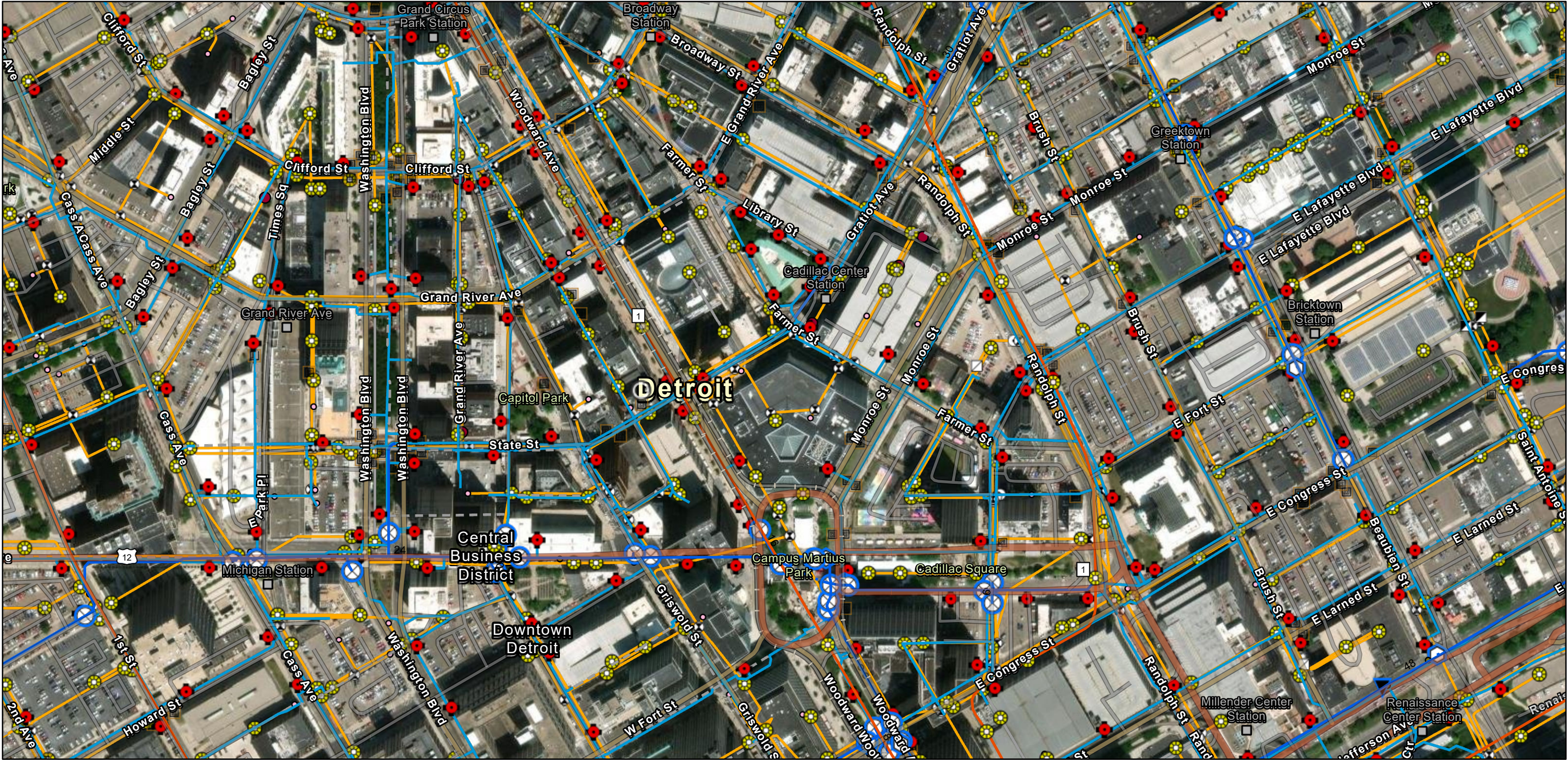
REQUEST ENCROACHMENT
INTO WOODWARD AVE. AT
1201 WOODWARD AVE.

CITY OF DETROIT
CITY ENGINEERING DIVISION
SURVEY BUREAU

JOB NO. 25-52

DRWG. NO.

1201 WOODWARD AVE



6/10/2025

Wastewater Structures - GLWA

Wastewater Mains - GLWA

Transmission System Mains - GLWA

Abandoned/Inactive Water Main

Active Water Main

Transmission System Valves - GLWA

Blowoff

Cone

Gate

Manual Air

Tapping Sleeve

Distribution System Hydrant

Distribution System Main

Active

Abandoned

Wastewater Catch Basin

Wastewater Manhole

Wastewater Fitting

Bend/Slope Change

Blind Connection

Bulkhead/Cap

Material/Size Change

Crown/Main Point

Wastewater Lamp Hole

Wastewater GravityMain

Active

Abandoned/Inactive/Retired

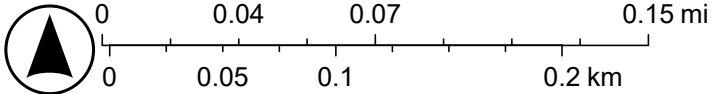
World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

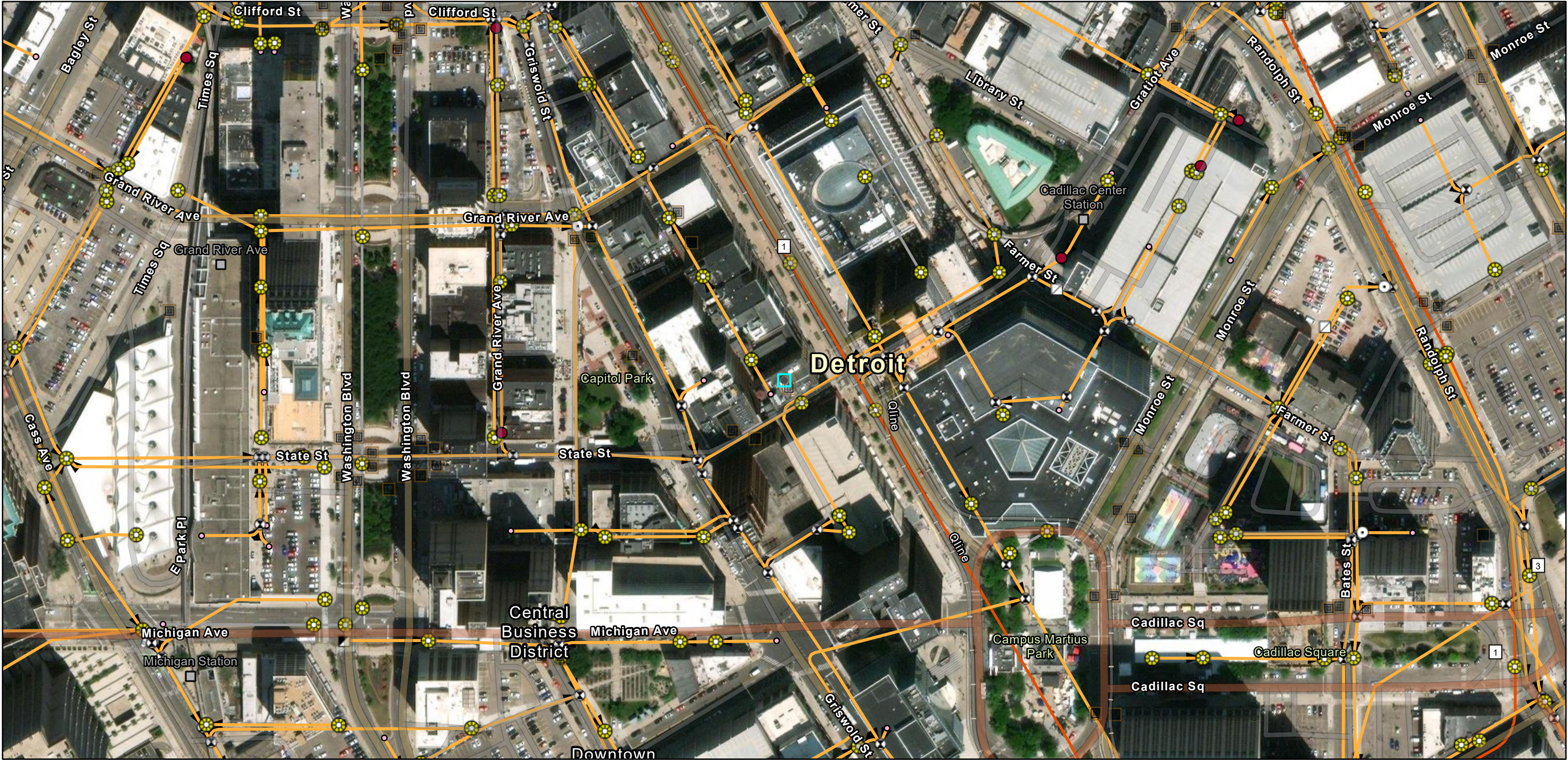
High Resolution 30cm Imagery

Citations



DWSD, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Maxar

1201 WOODWARD AVE



6/10/2025, 10:37:24 AM

- Wastewater Catch Basin (DWSD)

Wastewater Lamp Hole (DWSD)

Wastewater Manhole (DWSD)

Wastewater Fitting (DWSD)

Bend/Slope Change

Blind Connection

Bulkhead/Cap

Material/Size Change

Crown/Main Point
- Wastewater Gravity Main (DWSD)

Active

Abandoned/Inactive/Retired

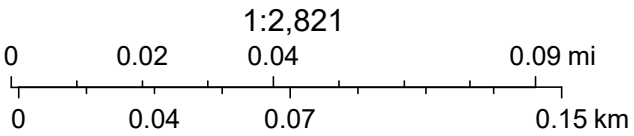
Wastewater Structures (GLWA)

Manhole

Wastewater Mains (GLWA)

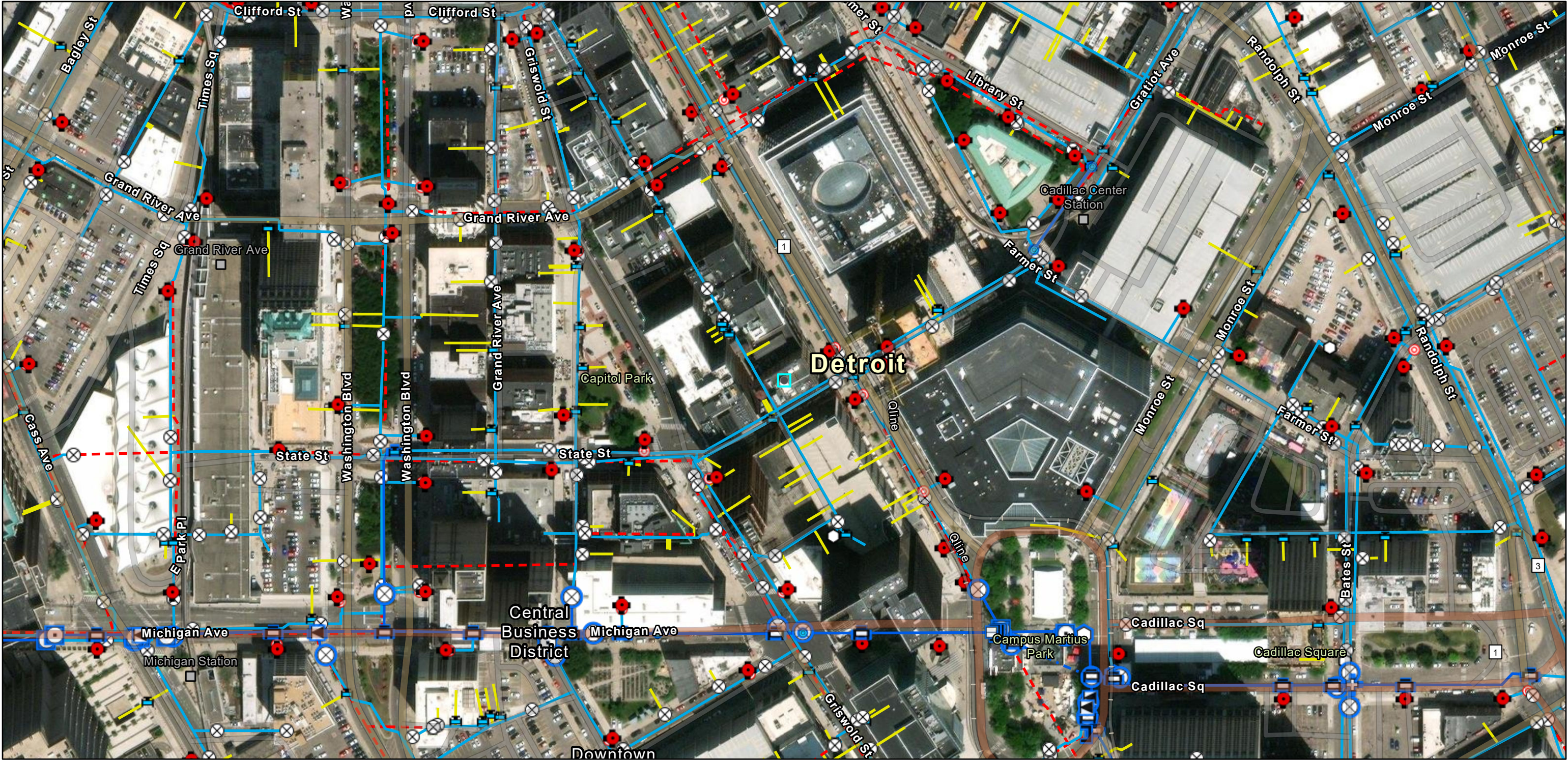
GLWA Gravity Main

DWSD Wastewater Flow Direction



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Maxar

1201 WOODWARD AVE



6/10/2025, 10:37:32 AM

Transmission System Fittings (GLWA)

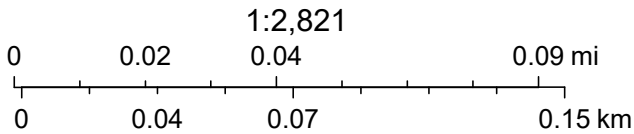
- Cap
- Cross
- Horizontal Bend
- Reducer

- Sleeve
- Tap
- Tee
- Wye
- Transmission System Valves (GLWA)
- Blowoff

- Gate
- Tapping Sleeve
- Transmission System Mains (GLWA)
- Abandoned/Inactive Water Main
- Active Water Main

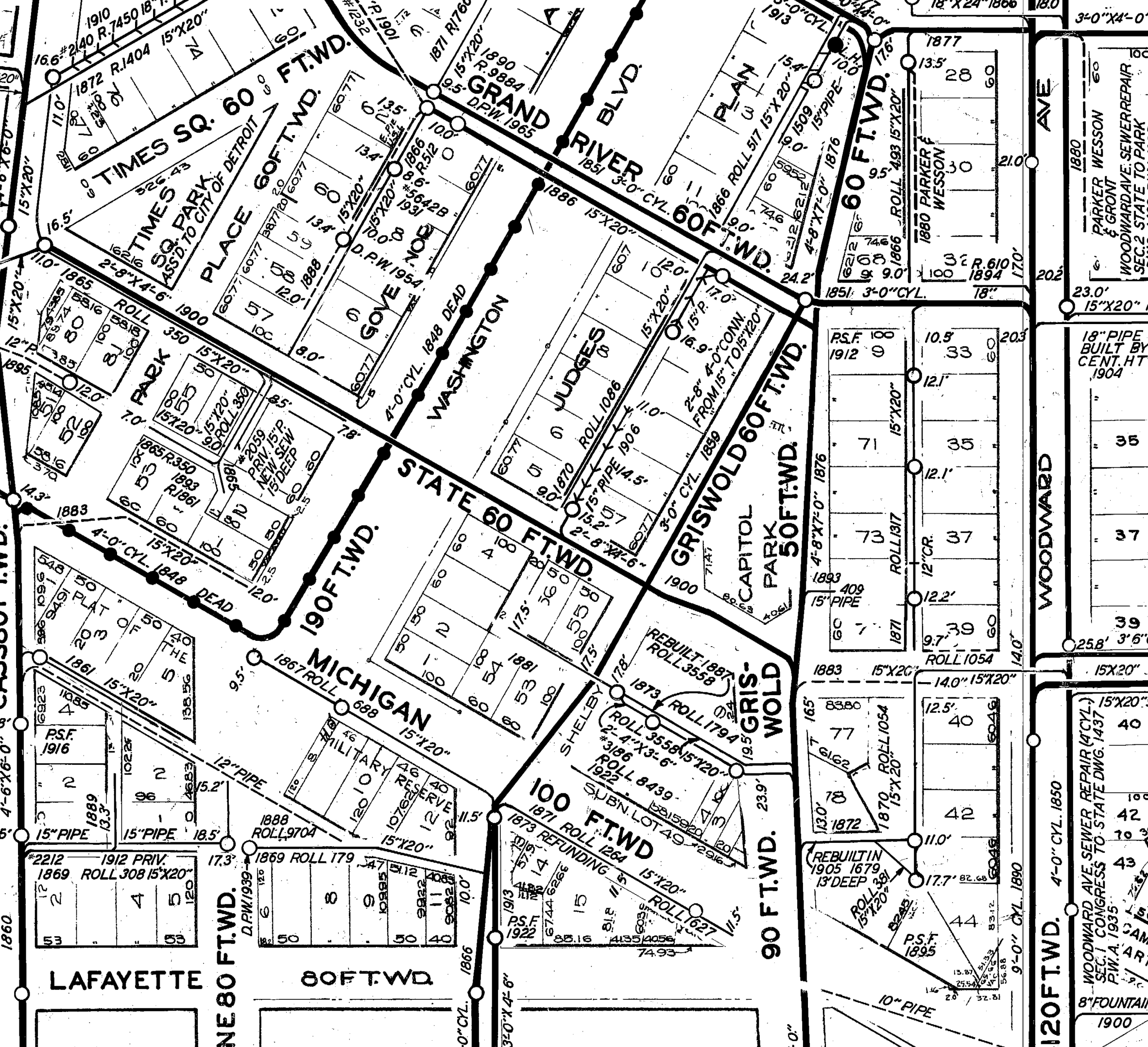
- Distribution System Hydrant
- DWSD
- Distribution System Valve
- Gate
- Blow Off
- TSV

- Hydrant
- Distribution System Main
- Active
- Abandoned
- Distribution System Service Line

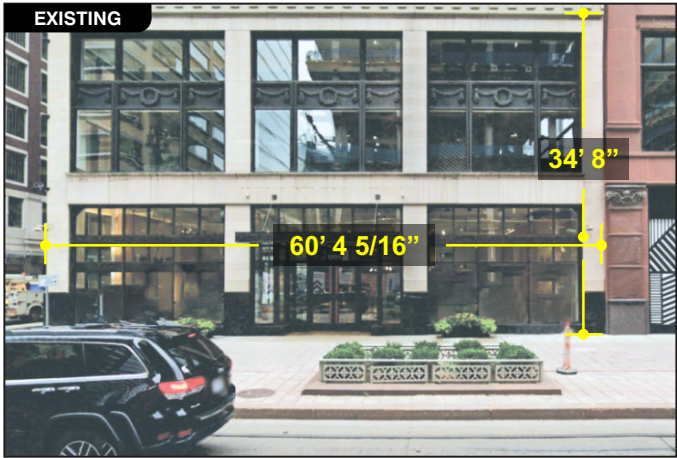
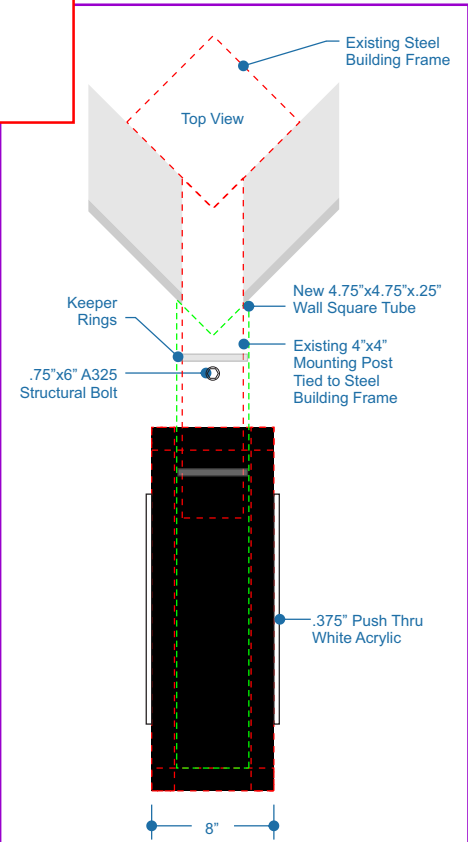
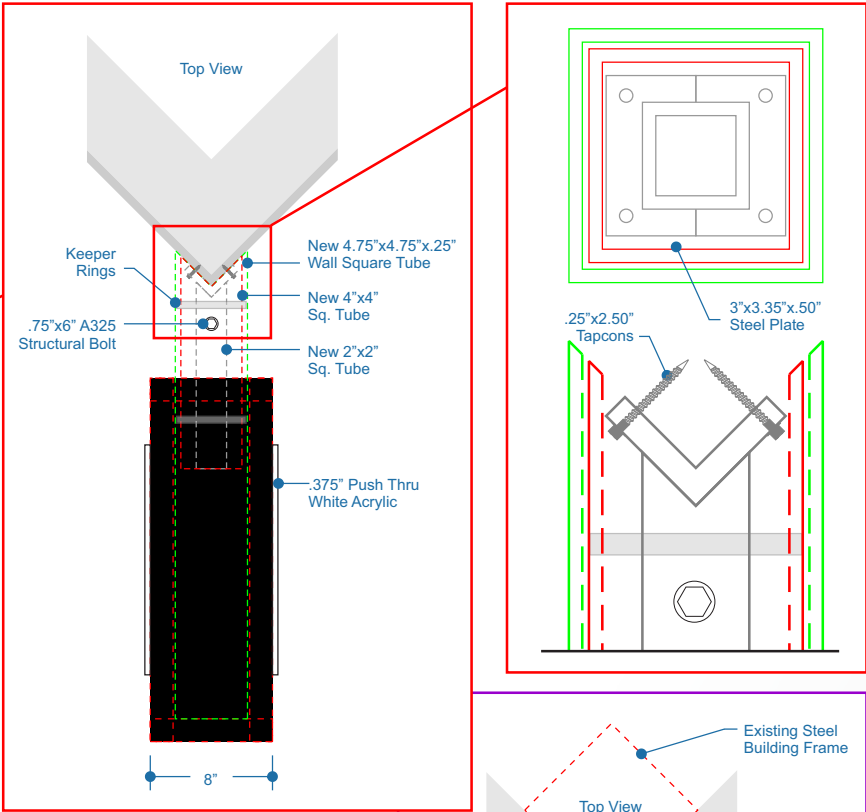
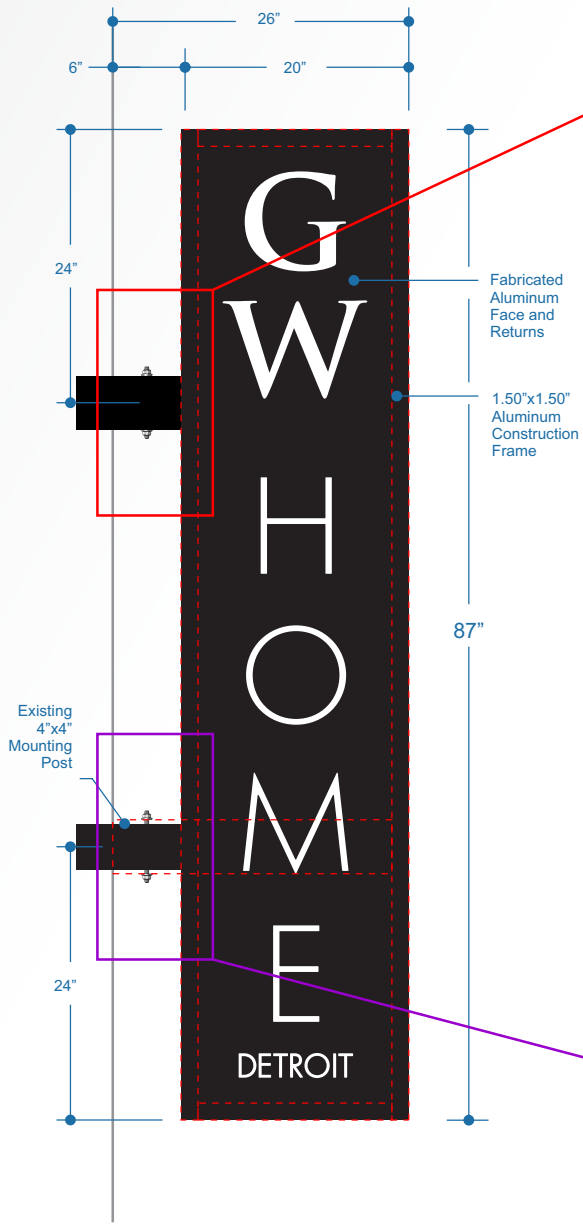


Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Maxar





C-4 Illuminated, Double Sided Blade Sign
Quantity 1



Installation Address:
1201 WOODWARD | DETROIT, MI 48226

METRO SIGNS
— & LIGHTING —

METRO DETROIT OFFICE:
11444 Kaltz Avenue, Warren, MI 48089

GRAND RAPIDS OFFICE:
6490 E. Fulton, Ada, MI 49301

Phone: 586-759-2700
www.metroсал.com

PERMIT DRAWING

PROJECT NUMBER	TOTAL SQ. FEET
250285	12

Project:
GW HOME // GARDNER WHITE

Date:
3/18/2025

File Name:
250285 GW Home.cdr

Drawing Title:
250285 GW Home C-4 Blade Sign
Permit Drawing REV-00 Pg 6

Sales:
Joe Stelzer

Designer:
Connie Fotiu

Revision Number:
REV-00

Revised By:
xxx

Revision Date:
XXX

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PLANNING & DEVELOPMENT DEPARTMENT
2 WOODWARD AVE SUITE 808, DETROIT, MI 48226

HISTORIC DISTRICT COMMISSION

CERTIFICATE OF APPROPRIATENESS ADMINISTRATIVE APPROVAL

Application Number: HDC2025-00195

Effective Date: 5/7/2025

Project Address: 1201 Woodward

Issued to: Kevin Deters

Historic District: Lower Woodward Avenue

11444 Kaltz Ave.

Warren, MI 48089

Description of Work:

Install three new signs: a wall sign on the south elevation, a wall sign on the east elevation canopy, and a projecting sign per the attached application

With the Conditions that:

n/a

COA

Pursuant to Section 5(10) of the Michigan Local Historic District Act, as amended, being MCL 399.205 (10) and Sections 21-2-57 and 21-2-73 of the 2019 Detroit City Code, and Detroit Historic District Commission ("DHDC") delegation of administrative authority via Resolutions 97-01, 97-02, 98-01, 20-03, 21-04, and/or 21-07, as applicable, the staff of the DHDC has reviewed the above referenced application and hereby issues a Certificate of Appropriateness ("COA") for the description of work, effective date above, as it meets the Secretary of the Interior's Standards for Rehabilitation and the district's Elements of Design

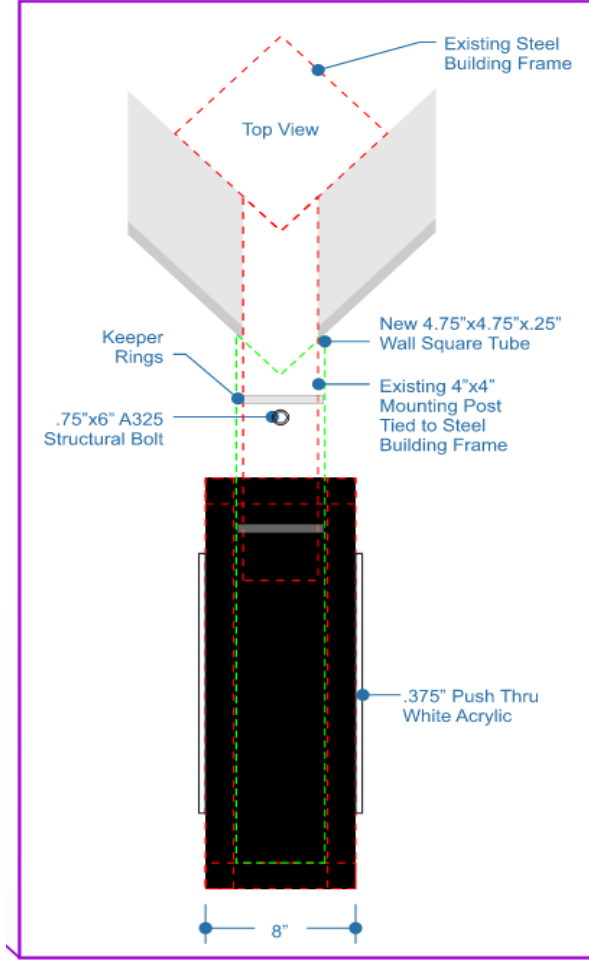
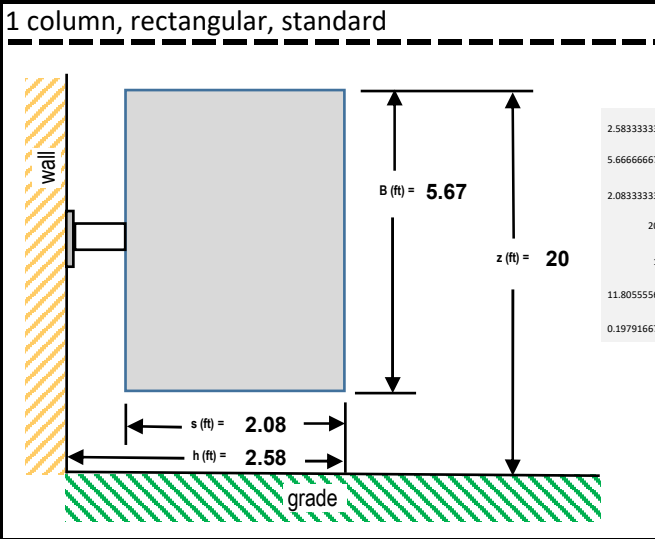
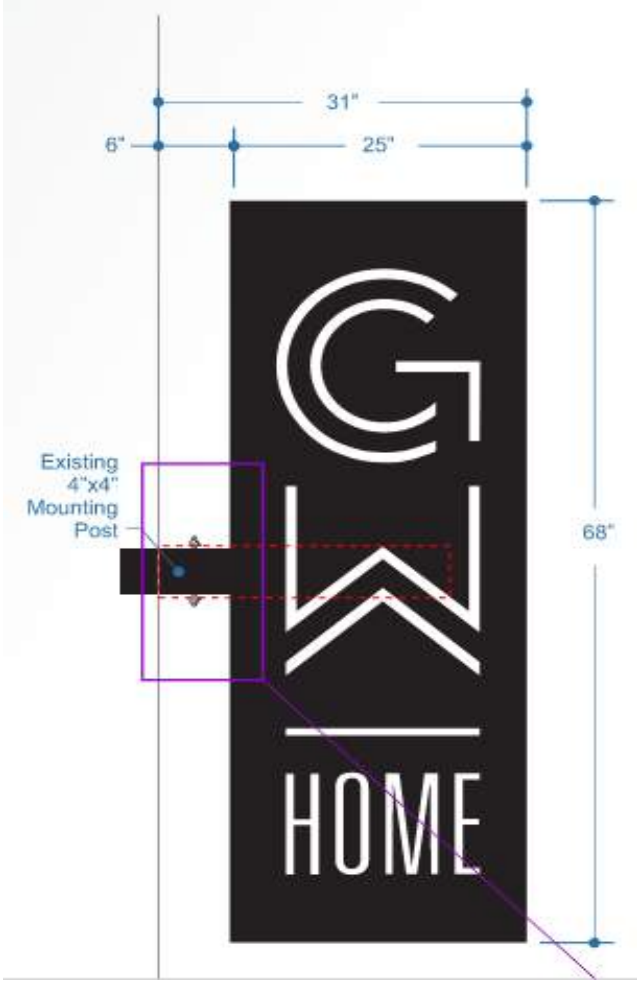
For the Commission:

Daniel Rieden
Senior Clerk to the Historic District Commission

PSR: 250507jr

Post this COA at the subject property until work is complete. It is important to note that approval by the DHDC does not waive the applicant's responsibility to comply with any other applicable ordinances or statutes.





Michigan, 2015 Michigan Building Code, 2015 IBC
ref 2015 IBC, ref ASCE 7-10

Environmental Conditions
115 Vult (mph), 3 second gust at 33 ft elevation per ASCE , Figure 26.5

II Risk Category; I, Low; II, Normal; III, Substantial Hazard; IV, Essential/Critical
C Wind Exposure; C, House size obstructions for > 600 ft; D, no obstructions > 5000 ft
at corner Sign proximity to corner or on awning $K_{zt} = 4.0$

Sign Particulars
2.58 outermost extension h (ft) from attachment OAH
5.67 segment height B (ft) (or width if ceiling or horizontal mounted) 2.6
2.08 segment width s (ft) (or height if ceiling or horizontal mounted) 5.7
20.00 elevation z of sign (ft) 2.083
1 number of attachment columns (usually 1 column per mounting plate)

Calculated values
11.81 = sign area as ft^2 plus 0.198 = column area as ft^2 giving totals = 12 ft^2
0.90 = K_z , velocity pressure exposure coefficient
1.55 = C_f , force coefficient, orientation Case A & B, clearance ratio per ASCE Figure 29.3-1
103.8 = q_z (psf), velocity pressure at elevation z, using V_{ult}
136.8 = P_{ult} (psf), factored wind pressure, using V_{ult}
985 = F (lb force), wind shear force (ASD) on sign and column area
1,519 = M (lb ft), moment at wall (ASD), total
1,519 = M (lb ft) moment at wall (ASD), per column
4,556 = Shear on bolt (#).

0.66 = section modulus (in^3) required per column per calculated moment at wall
6.4 = section modulus (in^3) provided by tube dimensions **ACCEPTABLE**

Constants & Formulas: $K_d = 0.85$, wind directionality factor (attached sign) per ASCE Table 26.6-1; $G = 0.85$, gust factor (rigid structure), per ASCE , Section 26.11.1; $C_{pi} = n/a$, internal pressure coefficient; K_z velocity pressure exposure coefficient = $2.01 \cdot (z(15 \text{ ft minimum})/Z_g)^{2/5}$, Z_g and α from ASCE Table 26.11-1; K_{zt} topographic factor based on proximity to corner; within h^2 of corner = corner = 4; within h^5 of corner = near corner = 2.5; otherwise midwall = 1.5, or on canopy = 2.0; $q_{z,ult} = 0.00256 \cdot K_z \cdot K_{zt} \cdot K_d \cdot V^3_{ult}$; $P_{ult} = q_{z,ult} \cdot G \cdot C_f$; $P_{asd} = P_{ult} \cdot 0.6$; $F_{seg} = P_{asd} \cdot s \cdot B$; $M = \sum(F_{seg})$
* distance from wall to centroid location; Risk Category II windspeeds from ASCE Figure 26.5-1B, MRI = 700 years; Risk Category III windspeeds from ASCE Figure 26.5-1C, MRI = 1700 years; Section modulus required = moment per column / (material ksi) / 0.6 safety factor, load = $0.6W + D$, $D \leq 15$ psf.

Aspect ratio = $B/s = 2.720$ Clearance ratio = $s/h = 0.806$ $Z_g = 900$ α factor = 9.5
Material ksi (welded) = 46 (unwelded) = 46
Column tube (pipe) size = 4.75" x 4.75" x 1/4" column width // to wind (in) = 4.75
column width \perp to wind (in) = 4.75 column thickness (in) = 0.25

UNO valid for one sign at this location.

- Sign manufacturer/installer's design, detailing, fabrication, and erection shall conform to the following specifications: Building Code, ASTM specifications, ACI-318 for reinforced concrete, American Welding Society Code for Welding in Building Construction, AISC Specification for Design, Fabrication, and Erection of Structural Steel for Buildings.
- Wall material specifications for attachment only (building design and structure is by others):
 - CMU shall be 8" ASTM C90 with fasteners in 1.25" face shell
 - Wood framing shall be 2x4 SPF, 0.42 s. g. w/ fasteners in mid 1/2" of 1.5" edge.
 - Cold Formed steel framing shall be 0.033", 36 ksi with fasteners in flange.
 - Wood Structural Sheathing shall be 7/16" OSB or plywood.
 - Concrete shall be 3000 psi min compressive strength.
- Contractor shall verify all wall materials and construction, dimensions, and conditions in the field before erection, and notify the engineer of any discrepancies.
- Fasteners (all allowable loads are per allowable stress design):
 - $\geq 3/8"$ A307 STEEL THROUGH BOLTS (CMU, concrete, frame) (as specified in detail)
 - For solid walls, install w/ nut and 3x3x1/4" washer on back of wall
 - For frame walls, install with 2x6 syp #2, 2x2 angle, or 1.5" unistrut continuous blocking on back of wall (continuous blocking must extend past the end of the sign to the next framing member)
 - Allowable tension load = 500 lb.

By using this engineering the owner, manufacturer, and installer accept responsibility to:
•Design, build, and install sign faces, cabinets, raceways, attachment brackets, and electrical, etc. according to sign code, building code, zoning, and UL,
•Verify that site conditions match stated wind speed, risk, exposure, and topo factors, and
•Select approved attachment detail, conforming to this generic attachment engineering, by verifying existing wall, which is not the responsibility of this engineer.
In fact, materials and construction of existing walls is not known at the time of this seal; for this reason various attachment options for various wall construction types are specified.

AVINASH B. VEERESHA, PE
signengineering@gmail.com
163 SW Midtown Place, Ste 103
Lake City, Florida 32025
386-754-5419
PE license 6201060322

12 May 2025
This seal for structural engineering
(Attachment ONLY)

SCOPE OF WORK: Establishes minimum structural requirements for attachment of generic signs to wall based on stated (not verified) wind & gravity loads and size & shape, based on sign installer's drawing, attached.

NOTE: THIS SIGN IS ADDING LOAD TO THE EXISTING POST. IT IS THE RESPONSIBILITY OF THE SIGN INSTALLER TO HAVE THE BUILDING DESIGNER VERIFY THAT THE BUILDING CAN SUPPORT THE ADDITIONAL SIGN LOADS, BOTH WEIGHT AND WIND.

GW HOME // GARDNER WHITE

**1201 WOODWARD
DETROIT, MI 48226**

METRO SIGNS & LIGHTING

JOB # 25052

BLADE SIGN
1 Columns, attached to wall