

Existing Structure
2233 N 7th St

North-south Hwy

W 7th St

W Gardner Ave

N Highland St

W Lloyd St

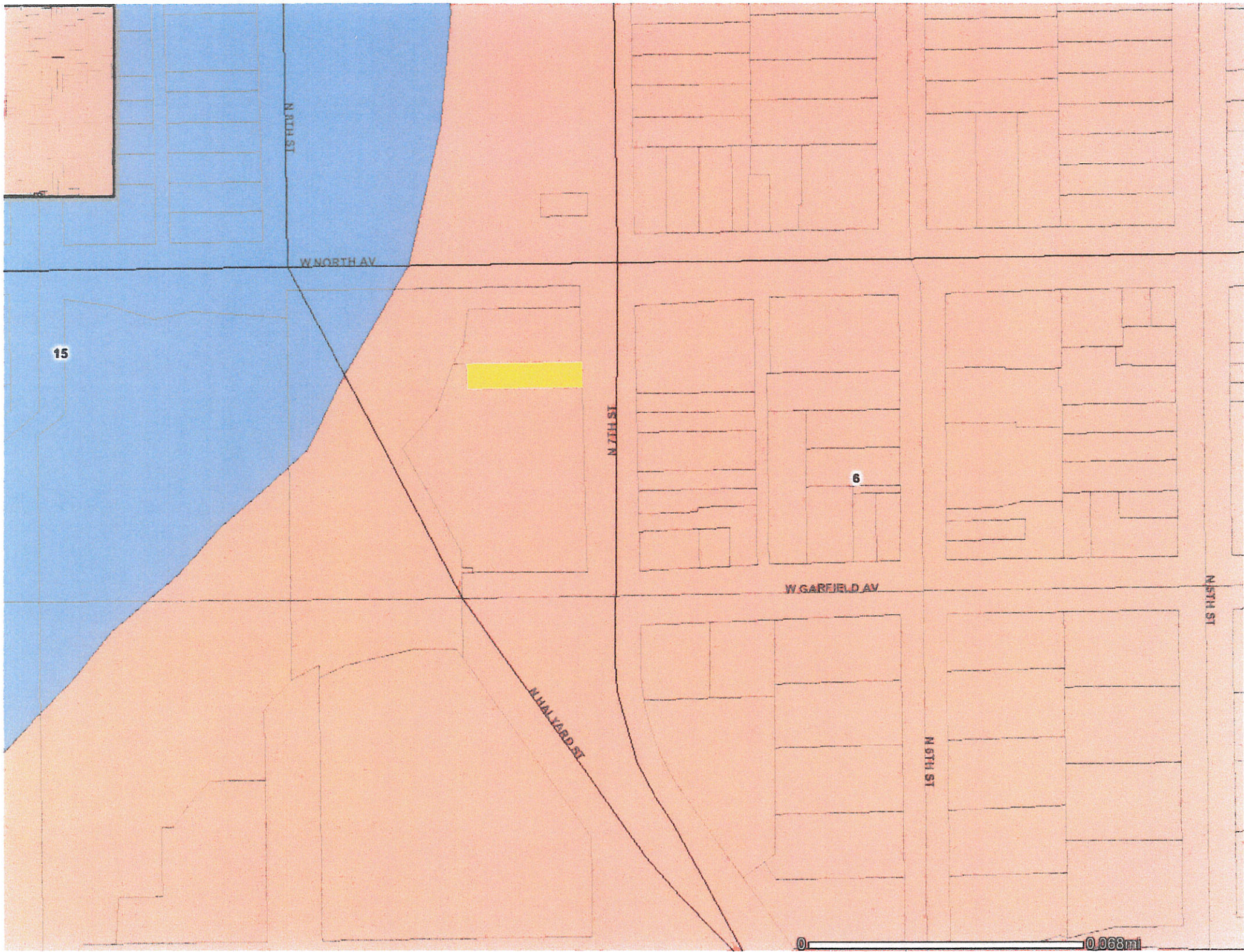
N 8th St

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Google Earth

48°03'54.41" N 87°55'13.51" W elev 688 ft eye alt

2000



15th St N

W NORTH AV

15

N 7TH ST

6

W GAREFIELD AV

N 4th St

N 5TH ST

N 6TH ST

0 0.063mi



BIKE EXPO SALE

Wisc. Expo Center FREE ADMISSION
Wheel & Sprocket

APRIL 8-11



TREK

CLEAR CHANNEL



DIGITAL



DIGITAL





U.S. Department
of Veterans Affairs

Veterans
Crisis Line



1-800-273-8255
PRESS 1



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VeteransCrisisLine.net

CLEAR CHANNEL DIGITAL

46 46

MARCUS THEATRES
CHRISTMAS DAY
TICKETS ON SALE

CLEARCHANNEL DIGITAL

009224

Redefined Commissions
LLC as low as
3.25%
SWING SET

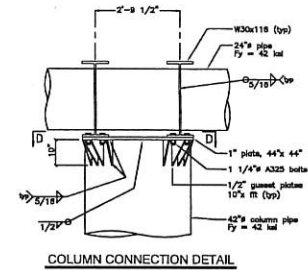
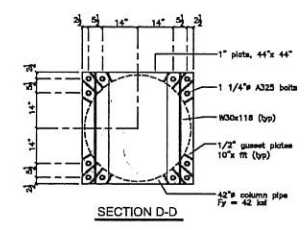
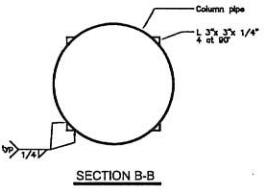
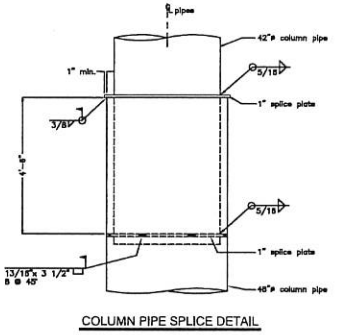
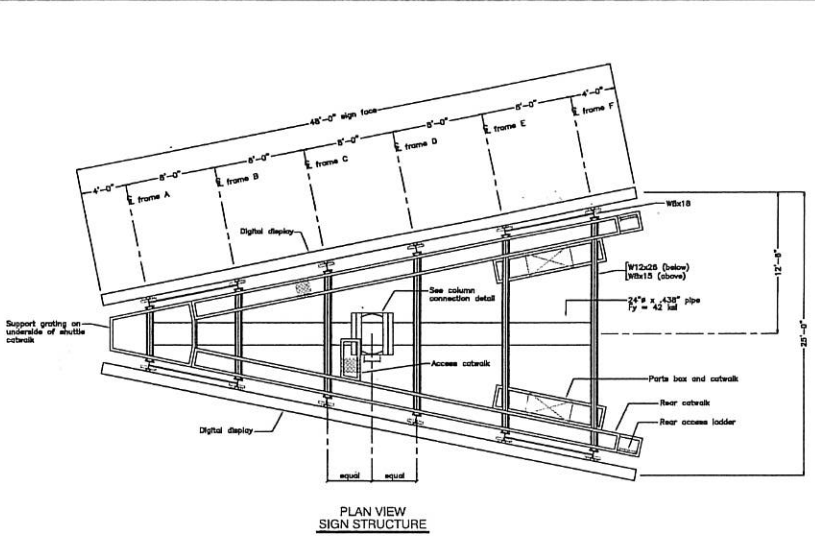
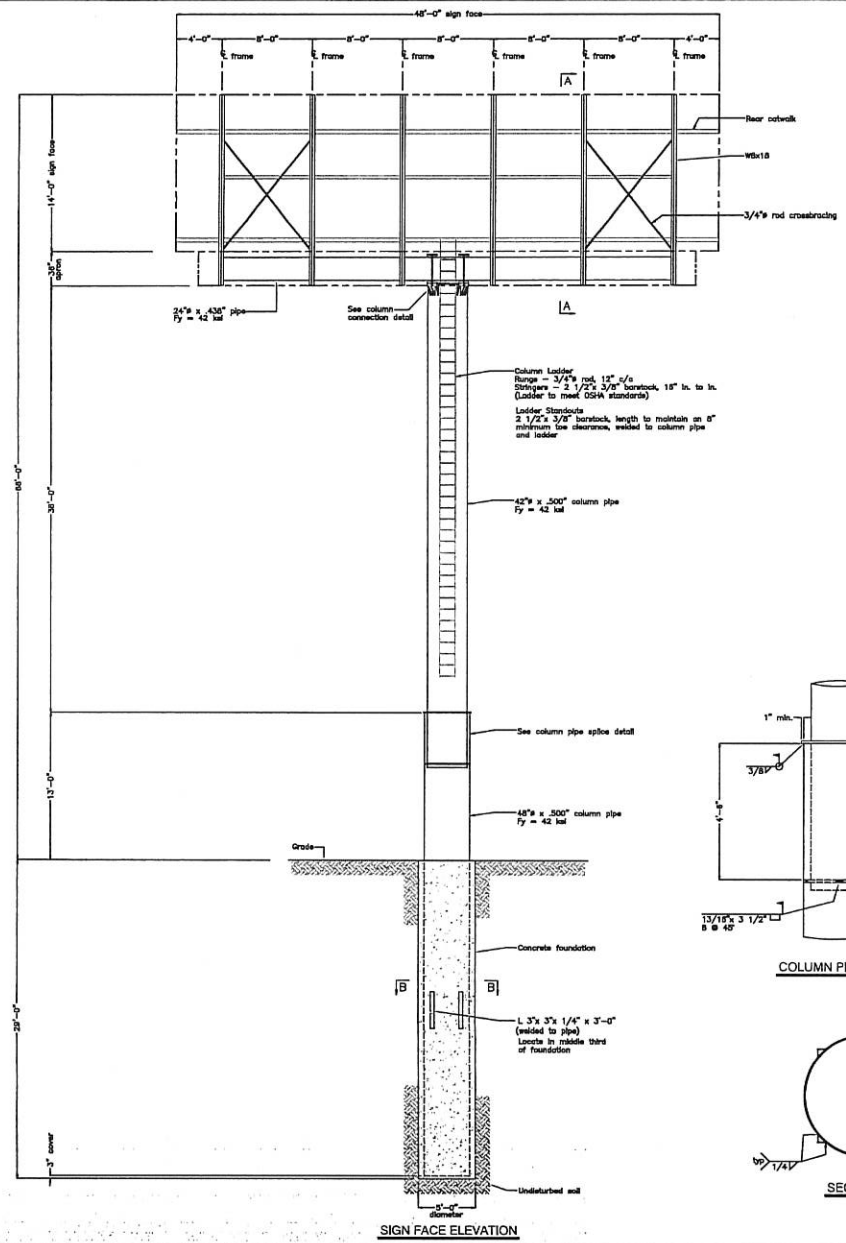
DESIGNED BY	DATE	SCALE
CHECKED BY	DATE	SCALE
APPROVED BY	DATE	SCALE
PROJECT NO.	DATE	SCALE
PROJECT NAME	DATE	SCALE



CLEAR CHANNEL OUTDOOR

14'-0" X 48'-0"
 MONOPOLE SIGN STRUCTURE
 CENTERMOUNT 25' V
 68'-0" OVERALL HEIGHT
 8455 HOLCOMB BRIDGE ROAD
 JOHNS CREEK, GA

CLIENT NO.	36-2115
GRC NO.	15-017-218
DRAWING NO.	36-2115
SHEET	1 of 2



NOTES

- Structural design conforms to the 2012 International Building Code.
- Design standard is ASCE 7-10.
- Design dead load of the superstructure without faces is 23,500 pounds.
- Superstructure can accommodate two faces weighing up to 8,000 pounds each.

WIND

- Design winds - 105 mph, U.S. gust, Exposure C.
- Structure is classified 4th category 1.
- Wind importance factor - $I_w = 1.0$
- Design wind pressure is 50.9 p.s.f.

SEISMIC

- Seismic load importance factor $I_s = 1.0$
- Structure is classified occupancy category 1.
- Mapped spectral response accelerations:
 - $S_s = 0.221 g$
 - $S_1 = 0.055 g$
- Site class: D
- Spectral response coefficients:
 - $S_{ds} = 0.225$
 - $S_{d1} = 0.152$
- Seismic design category is B.
- Seismic basic force resisting system:
 - Non-buildings structure not similar to building - signs and billboards.
- Design base shear: 3.53 kips
- Seismic response coefficient: $C_s = 0.08$
- Response modification factor: $R = 3$.
- Analysis procedure used: Equivalent lateral force method.

STEEL

- Structural steel pipe shall conform to ASTM A252 or API 5L, with grade that corresponds to the specified yield stress.
- Structural steel plate, rods, angles, and channels shall conform to ASTM A36.
- Structural steel wide flange shapes shall conform to ASTM A992.
- High strength bolts shall conform to ASTM A325 (unless noted otherwise)
- Nuts shall conform to ASTM A563.
- A325 bolts and nuts to be cadmium plated.
- High strength A325 bolts shall be installed according to the latest RCSC specifications.
- Bolt holes shall be the AISC standard size (unless noted otherwise).
- All high strength bolts shall be fully pretensioned (unless noted otherwise).
- Steel shall be primed and painted, except for the embedded portions of members.
- Steel welding shall be in accordance with AWS standards.
- Steel members and elements of the structure shall be fabricated and erected according to the latest AISC specifications and standard practice.

FOUNDATION & CONCRETE

- Concrete shall attain a 28-day compressive strength of $f'_c = 3000$ p.s.i.
- Soil boring by Geo Hydro Engineers - Project No. 150229.21.

GENERAL

- The contractor shall verify all dimensions and conditions in the field and notify the engineer of any discrepancies.
- GRC Engineering, Inc. will not be supervising or monitoring the erection/installation of this structure.

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