

ENCROACHMENT 3-DIMENSIONAL SPACE FOR EV CHARGING STATIONS

SCALE: 1:20

CONSTRUCTION NOTES

1. ALL REINFORCING STEEL SHALL BE HIGH STRENGTH NEW BILLET STEEL CONFORMING TO ASTM A615 GRADE 60.
2. UNFORMED SURFACE AND CONCRETE CAST AGAINST EARTH, 3" MIN CLEAR SPACE FROM EDGE.
3. FORMED SURFACES IN CONTACT WITH SOIL, 1-1/2" MIN. CLEAR SPACE FROM EDGE.
4. ALL MOUNTING BRACKETS OR EXPANSION BOLTS, MIN. 3" CLEAR SPACE FROM EDGE.
5. ALL REINFORCED CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.



SEAL

DRAWN BY: ARU

CHECKED BY: ARU

APPROVED BY: ARU

MI ENGR. PROJECT #: 20250506

DATE: July 2025

SUBMITTALS		
REV.	DATE	DESCRIPTION
00	07-03-25	ENCROACHMENT SET

SITE NAME:
ZO'S GOOD BURGER DETROIT CHARGING STATION PROJECT
 SITE ADDRESS:
 2894 W. GRAND BLVD.
 DETROIT, MI 48202

SHEET TITLE
PROJECT DETAILS

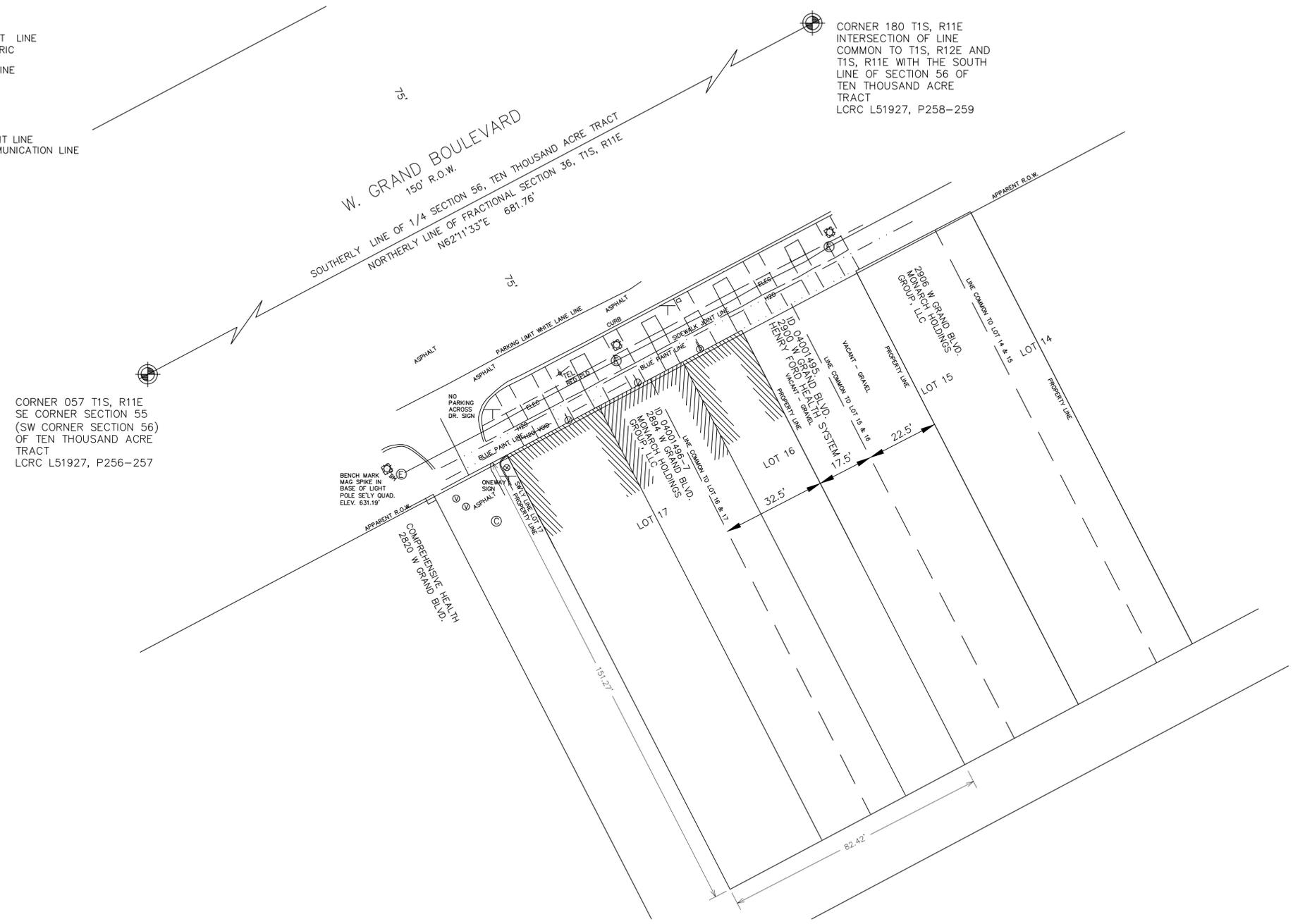
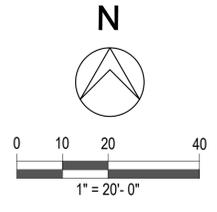
SHEET NUMBER
CD 01

- LEGEND**
- STEEL LIGHT POLE
 - ELECTRIC MANHOLE
 - UNKNOWN UTILITY
 - COMBINED STORM AND SANITARY SEWER
 - WATER SHUTOFF VALVE
 - STREET SIGN
 - TREE
 - RED PLD PAINT LINE
 - BURIED ELECTRIC
 - BLUE PAINT LINE
 - WATER LINE
 - SIDEWALK JOINT LINE
 - ORANGE PAINT LINE
 - BURIED COMMUNICATION LINE

SITE SURVEY

PART LOT 15 AND ALL OF LOTS 16-17 BLOCK 3 HENRY WEBER'S SUBDIVISION

OF SECTION NO. 31 AND 36, T1S, R11E & 12E
L2, P39
DETROIT, WAYNE COUNTY, MI



CORNER 057 T1S, R11E
SE CORNER SECTION 55
OF TEN THOUSAND ACRE
TRACT
LCRC L51927, P256-257

CORNER 180 T1S, R11E
INTERSECTION OF LINE
COMMON TO T1S, R12E AND
T1S, R11E WITH THE SOUTH
LINE OF SECTION 56 OF
TEN THOUSAND ACRE
TRACT
LCRC L51927, P258-259



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MI ENGR. PROJECT #:	20250506
DATE:	July 2025

SUBMITTALS		
REV.	DATE	DESCRIPTION
00	07-03-25	ENCROACHMENT SET

SITE NAME:
**ZO'S GOOD
BURGER DETROIT
CHARGING
STATION PROJECT**

SITE ADDRESS:
2894 W. GRAND BLVD.
DETROIT, MI 48202

LEGAL DESCRIPTION:
S. GRAND BLVD W 32.50 FT 17 EXC. GRAND BLVD AS
WD BLK 3 HENRY WEBERS SUB. L2 P39 PLATS, WCR 4/124,
82.50 X 151.27, APPROXIMATELY 0.287 ACRES.
PIN: 82-09-213-04-002
ADDRESS: 2894 W. GRAND BLVD.
ZONED: B5 - MAJOR BUSINESS DISTRICT
P.I.D.: 04001496-7

ELEVATIONS ARE RELATIVE TO THE NORTH
AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
AS DERIVED FROM MDOT CORS GPS
OBSERVATIONS.
BEARINGS ARE RELATIVE TO THE MICHIGAN
COORDINATE SYSTEM, SOUTH ZONE (2113) AS
DEFINED BY MICHIGAN P.A. 9 OF 1964 AND
AMENDED BY P.A. 154 OF 1988 (NAD 83 [2011]).

SURVEY COMPLETED BY ADVANCED GEOMATICS	
FIELDWORK: LEO LRF	COMPUTED BY: LRF
COMPUTER #: 16513 MS.DWG	CHECKED BY: LRF
DRAWN BY: FAF	REV.
DATE: JUNE 26, 2025	JOB #: 16513



48800 W. 10 MILE RD.
NOVI, MICHIGAN 48374-2708
(248) 344-2077 FAX: (248) 305-8030

SHEET TITLE
**EXISTING SITE
SURVEY PLAN**

SHEET NUMBER
CS 01

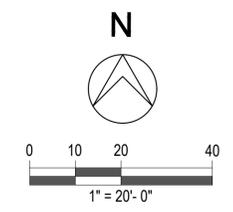
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SITE SURVEY

PART LOT 15 AND ALL OF LOTS 16-17 BLOCK 3 HENRY WEBER'S SUBDIVISION

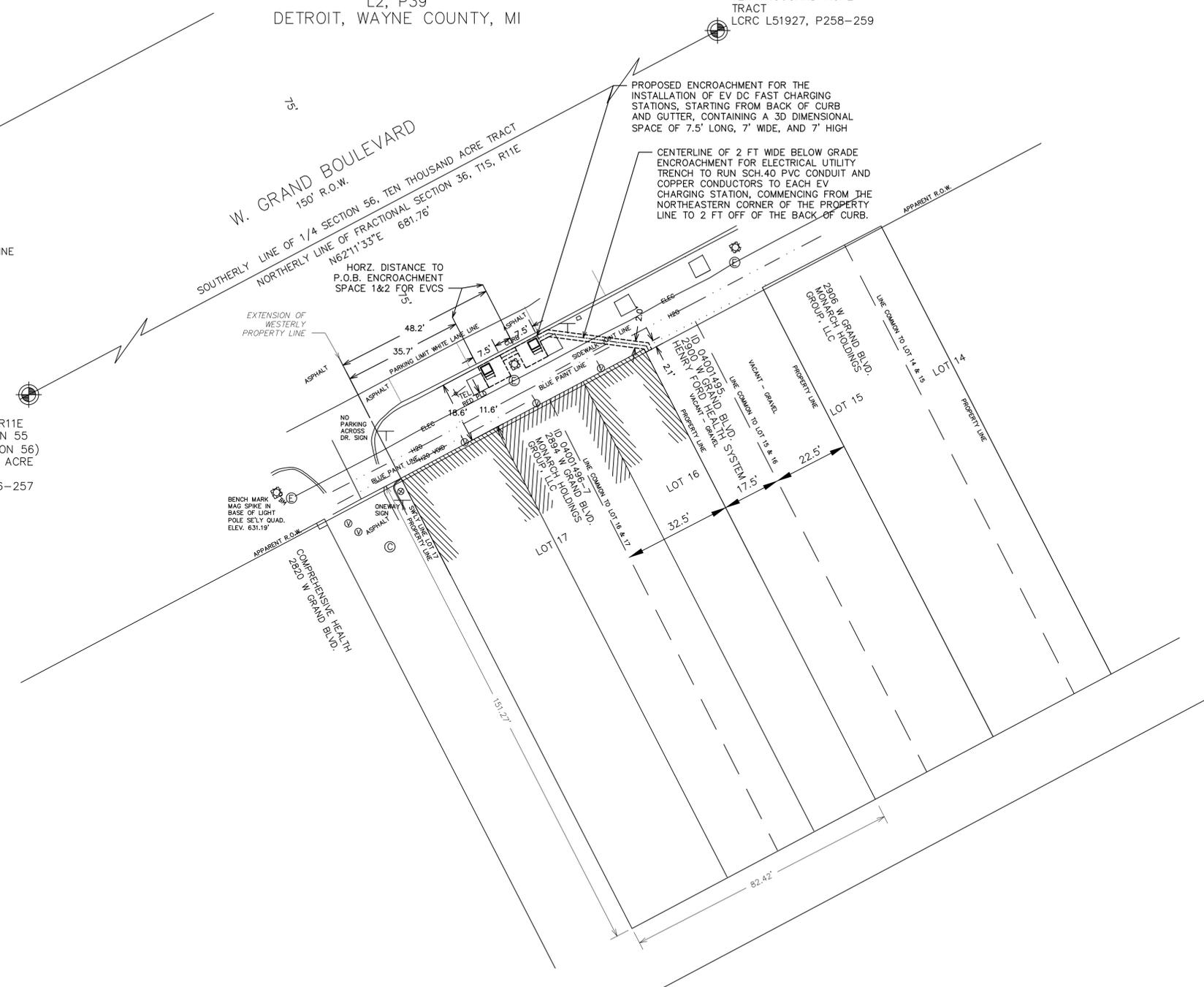
OF SECTION NO. 31 AND 36, T1S, R11E & 12E
L2, P39
DETROIT, WAYNE COUNTY, MI

CORNER 180 T1S, R11E
 INTERSECTION OF LINE
 COMMON TO T1S, R12E AND
 T1S, R11E WITH THE SOUTH
 LINE OF SECTION 56 OF
 TEN THOUSAND ACRE
 TRACT
 LCRC L51927, P258-259



- LEGEND**
- STEEL LIGHT POLE
 - ELECTRIC MANHOLE
 - UNKNOWN UTILITY
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CORNER 057 T1S, R11E
 SE CORNER SECTION 55
 (SW CORNER SECTION 56)
 OF TEN THOUSAND ACRE
 TRACT
 LCRC L51927, P256-257



PROPOSED ENCROACHMENT FOR THE
 INSTALLATION OF EV DC FAST CHARGING
 STATIONS, STARTING FROM BACK OF CURB
 AND GUTTER, CONTAINING A 3D DIMENSIONAL
 SPACE OF 7.5' LONG, 7' WIDE, AND 7' HIGH

CENTERLINE OF 2 FT WIDE BELOW GRADE
 ENCROACHMENT FOR ELECTRICAL UTILITY
 TRENCH TO RUN SCH.40 PVC CONDUIT AND
 COPPER CONDUCTORS TO EACH EV
 CHARGING STATION, COMMENCING FROM THE
 NORTHEASTERN CORNER OF THE PROPERTY
 LINE TO 2 FT OFF OF THE BACK OF CURB.

PROPOSED ENCROACHMENT AREA
 SCALE: 1" = 10'

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ENCROACHMENT PLAN

SHEET NUMBER
CS 02

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