



City of Detroit
Inter-Departmental Communication

TO: Richard Doherty, City Engineer
City Engineering/Department of Public Works

FROM: Debra Singleton, Manager II
Detroit Water and Sewerage Department

DATE: August 17, 2015


RE: Petition No. 452
Requested Encroachment into Various Locations in the Blocks Bound by Third,
Congress, Washington Blvd., West Jefferson Ave., Shelby and the Detroit River
with Exterior Signage

We have reviewed the above Petition received by this office on July 14, 2015. With regard to DWSD's interests, our comments are as follows:

- Our records indicate that there are water mains and sewers in the areas of encroachments. DWSD has no objections to the encroachments, if the petitioner agrees to follow the terms stated in the attached Provisions for Encroachment.

If you have any questions, please call me at (313) 267-8309.

Sincerely,


for Debra Singleton
Manager II
Claims and Permits

DS//gl

Attachments

CC: Cheryl Porter, WBB
Mohamad Farhat, CSF

Michael Duggan, Mayor

City of Detroit
City Engineering Division, Department of Public Works
Survey Bureau

NOTICE OF PROPOSED CHANGE IN PROPERTY

Date: 07/14/2015

Petition: x452

- | | |
|---|--|
| <input type="checkbox"/> AT&T Telecommunication | |
| <input type="checkbox"/> Cable Television (CATV) | <input type="checkbox"/> Vacation |
| <input type="checkbox"/> Detroit Edison (DTE) | |
| <input type="checkbox"/> Michigan Consolidated Gas (DTE) | <input type="checkbox"/> Conversion to Easement |
| <input type="checkbox"/> Fire Department | <input type="checkbox"/> Dedication |
| <input type="checkbox"/> Planning & Development Department | |
| <input type="checkbox"/> Public Lighting Authority | <input checked="" type="checkbox"/> Encroachment |
| <input type="checkbox"/> Public Lighting Dept. - Communication Division | |
| <input type="checkbox"/> Public Lighting Dept. - Overhead Line Division | |
| <input type="checkbox"/> Public Lighting Dept. - Underground Division | <input type="checkbox"/> Temporary Closing |
| <input type="checkbox"/> Police Department | |
| <input type="checkbox"/> Recreation Department | <input type="checkbox"/> Berm Use |
| <input type="checkbox"/> Sanitation Division, DPW | |
| <input type="checkbox"/> Street Design Bureau, DPW | |
| <input type="checkbox"/> Street Maintenance Division, DPW | |
| <input type="checkbox"/> Street and Traffic Division, DPW | |
| <input type="checkbox"/> Water and Sewerage Dept. - Sewer Design | |
| <input type="checkbox"/> Water and Sewerage Dept. - Water Design | |

A petition drawing is attached. Property shown on the attached print is proposed to be changed as indicated.

Kindly report (using the back of this sheet) the nature of your services (if any) affected by the proposed change and the estimated costs of removing and rerouting such services (if necessary).

Please return one copy to City Engineering Division, DPW. Retain one copy and print for you file.

Ron Brundidge, Director, Department of Public Works

By: Richard Doherty, CED DPW
City Engineer

**TO: City Engineering Division, DPW
65 Cadillac Square, Suite 900
Detroit, Michigan 48226-2873
Survey Bureau: 313-224-3970**

x452

The proposed change in property (referred to on the other side of this sheet) would affect our services as follows:

- Not Involved
- Involved; but asking you to hold action on this petition until further notice.
- Involved; but no objections to the property change.
- Involved; but no objections to the property change...provided as easement of the full width of the public right-of-way (street, alley or other public place) is reserved.
- Involved; the nature of our services and the estimated costs of removing and/or rerouting such services are:

(Utility or City Department)

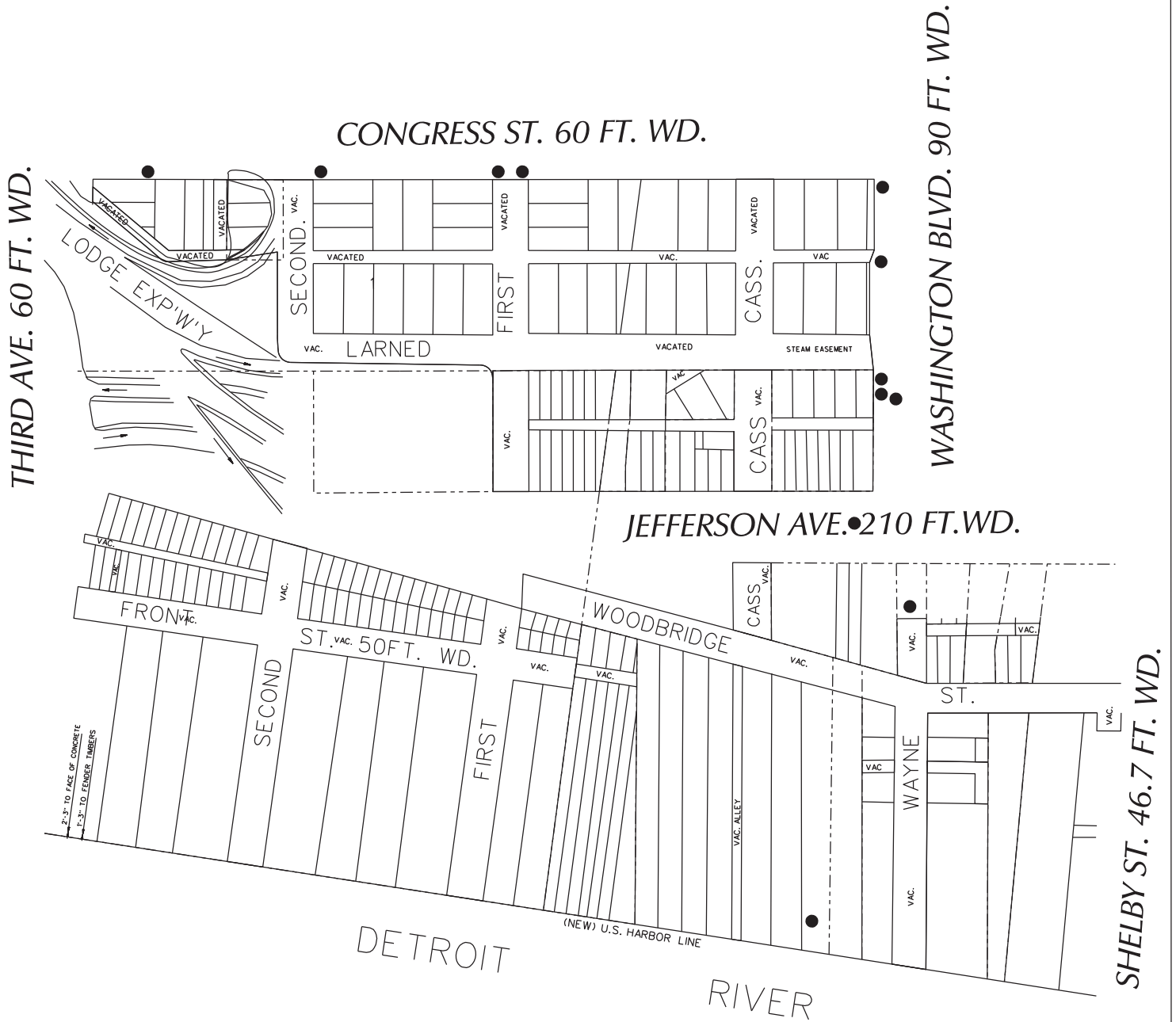
By

Title

Date

Area code – Telephone number

PETITION NO. 452
 DETROIT REGIONAL CONVENTION FACILITY
 C/O SDG
 615 GRISWOLD AVE. SUITE 103
 DETROIT, MICHIGAN 48226
 C/O GEOFFREY HARRISON
 PHONE NO. 313 964-3233



CARTO 28 D & E

(FOR OFFICE USE ONLY)

B					REQUEST ENCROACHMENT (With Exterior Signage) INTO VARIOUS LOCATIONS IN THE BLOCKS BOUND BY THIRD AVE., CONGRESS ST. WASHINGTON BLVD., W. JEFFERSON AVE. SHELBY ST. AND DETROIT RIVER	CITY OF DETROIT CITY ENGINEERING DEPARTMENT SURVEY BUREAU
	A					
DESCRIPTION		DRWN	CHKD	APPD	DATE	JOB NO. 01-01
DRAWN BY WLW		CHECKED				
DATE 07-14-15		APPROVED				

PROVISIONS FOR ENCROACHMENT For Petition 452

Detroit Water and Sewerage (DWSD) agree to the proposed encroachment subject to the fulfilling of the following provisions:

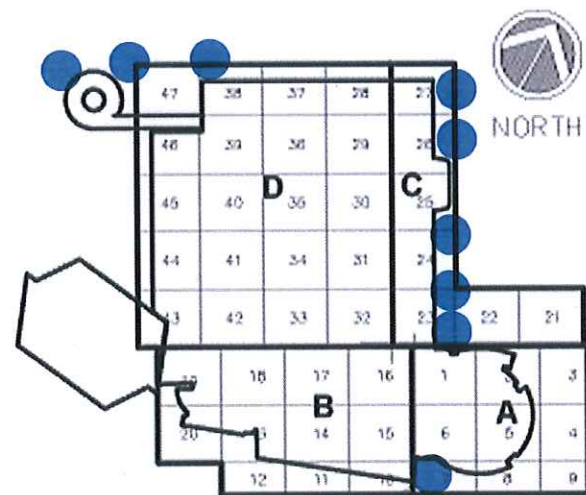
1. By approval of this petition the (DWSD) does not waive any of its rights to its facilities located in the right of way, and at all time, DWSD, its agents or employees, shall have the right to enter upon the right of way to maintain, repair, alter, service, inspect, or install its facilities. All costs 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 caused by the encroachment 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) hours 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 forces. The cost of such inspection shall, at the discretion of DWSD, be borne by the petitioner.
4. If DWSD facilities located within the right of way 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.



Cobo Exterior Wayfinding Signage

Exterior Signage and Right of Way

October 22, 2014



Detroit Regional
Convention Facility
Authority



SDG

Project No. 13105.86

COVER SHEET

A1.00

Contents:

- A1.00** Cover Sheet
- A1.01** Contents
- A1.02** Signage Legend
- A1.03** Boundary Survey (Right of Way)
- A1.04** Site Plan Signage Location
- A1.05** Site Plan Signage Location
- A1.06** Site Plan Signage Location
- A1.07** Site Plan Signage Location
- A1.08** Site Plan Signage Location
- A1.09** Site Plan Signage Location
- A1.10** Corbin Design Signage Detail
- A1.11** Corbin Design Signage Detail
- A1.12** Corbin Design Signage Detail
- A1.13** Corbin Design Signage Detail

Detroit Regional
Convention Facility
Authority



SDG

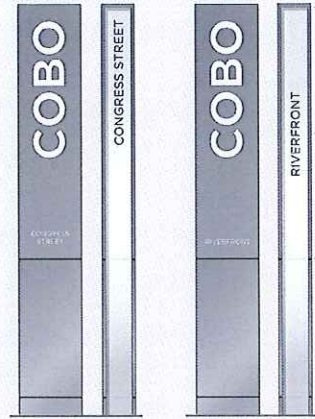
Project No. 13105.86

CONTENTS

A1.01

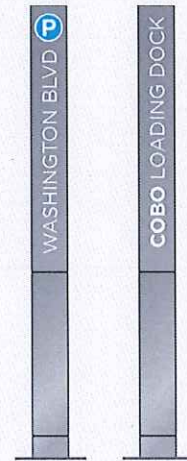
ENTRANCE SIGNAGE A

- A1** SHEET A1.06 (Right of Way)
- A2** SHEET A1.06 (Right of Way)
- A3** SHEET A1.08 (COBO Property)
- A4** SHEET A1.08 (COBO Property)
- A5** SHEET A1.09 (COBO Property)



PARKING SIGNAGE B

- B1** SHEET A1.04 (Right of Way)
- B2** SHEET A1.07 (Right of Way)



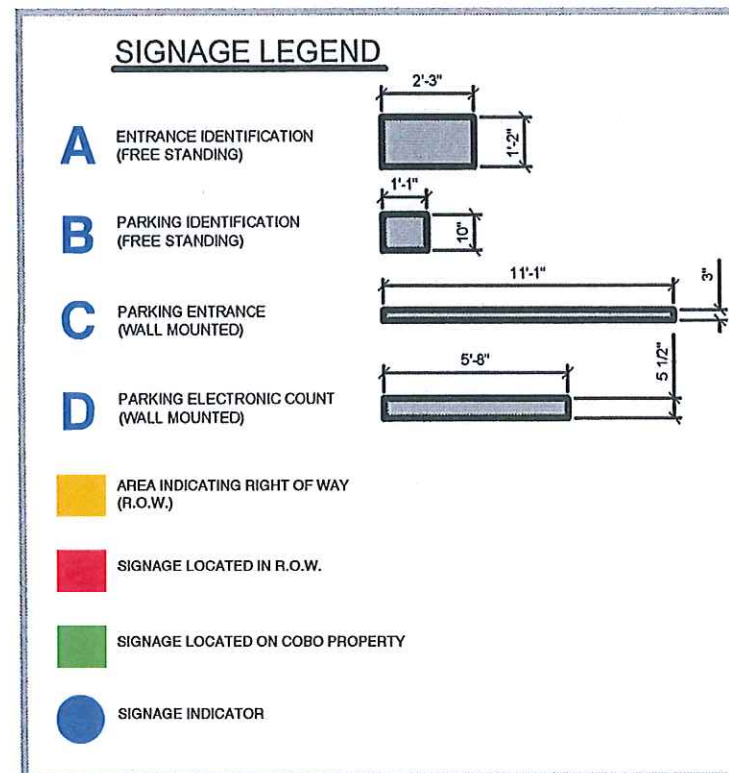
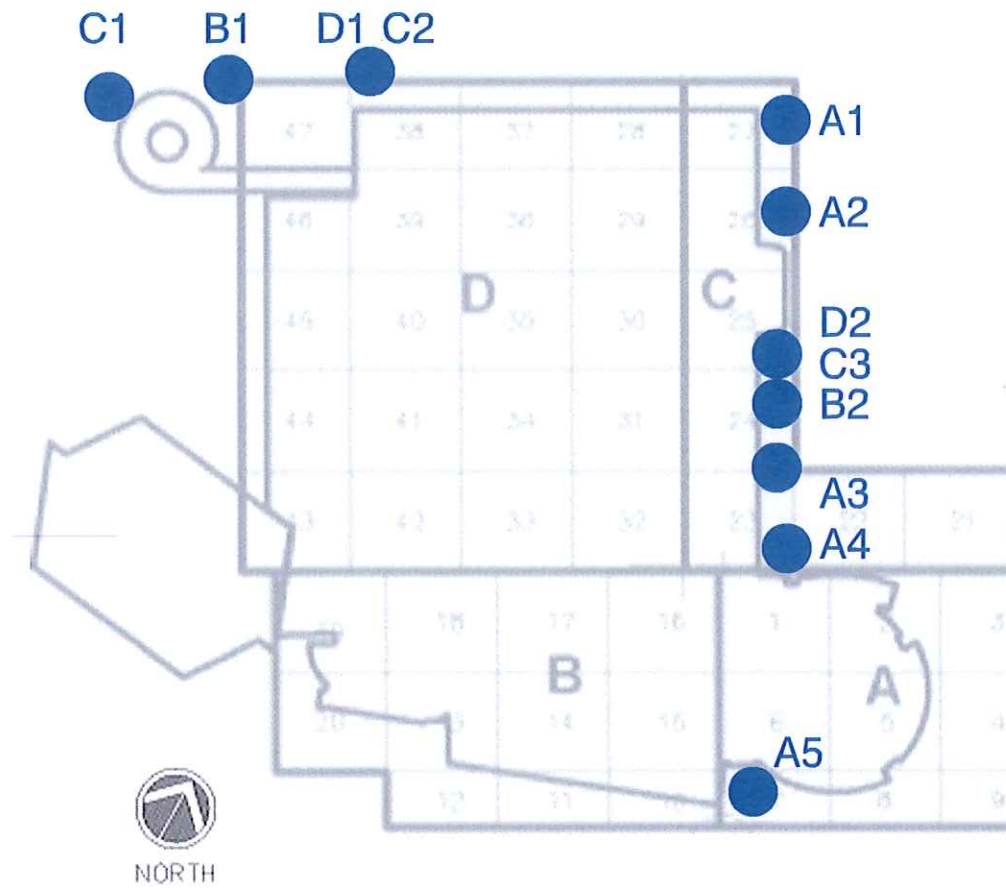
PARKING SIGNAGE C

- C1** SHEET A1.04 (COBO Property)
- C2** SHEET A1.05 (COBO Property)
- C3** SHEET A1.07 (COBO Property)



ELECTRONIC PARKING D

- D1** SHEET A1.05 (COBO Property)
- D2** SHEET A1.07 (COBO Property)



Detroit Regional
Convention Facility
Authority

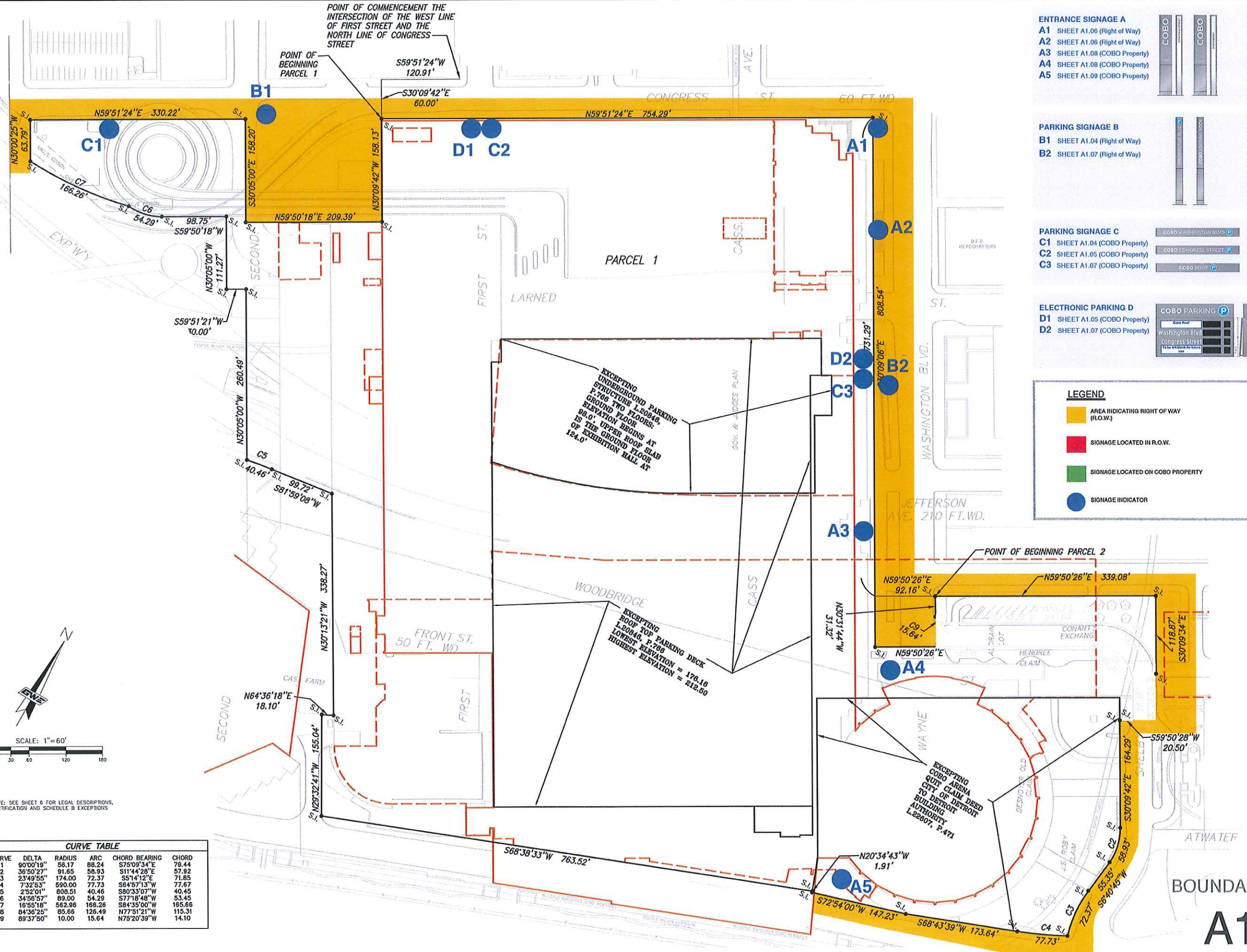
COBO
CENTER

SDG

Project No. 13105.86

SIGNAGE LEGEND

A1.02



POINT OF COMMENCEMENT THE INTERSECTION OF THE WEST LINE OF FIRST STREET AND THE NORTH LINE OF CONGRESS STREET

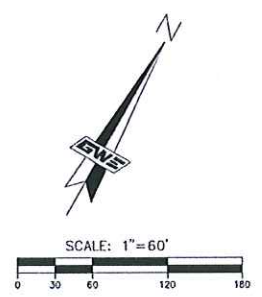
POINT OF BEGINNING PARCEL 1

POINT OF BEGINNING PARCEL 2

EXCEPTING UNDERGROUND PARKING STRUCTURE L.20048, P.766 TWO FLOORS: GROUND FLOOR: ELEVATION BEGINS AT 98.0' UPPER ROOF SLAB IS THE GROUND FLOOR OF EXHIBITION HALL AT 124.0'

EXCEPTING ROOF TOP PARKING DECK L.20048, P.768 LOWEST ELEVATION = 176.16 HIGHEST ELEVATION = 212.50

EXCEPTING COBO ARENA CITY OF DETROIT BUILDING AUTHORITY L.22007, P.471



NOTE: SEE SHEET 6 FOR LEGAL DESCRIPTIONS, CERTIFICATION AND SCHEDULE B EXCEPTIONS

CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	CHORD BEARING	CHORD
1	90°00'19"	56.17	88.24	S75°09'34"E	79.44
2	36°50'27"	91.65	58.93	S11°44'28"E	57.92
3	23°49'55"	174.00	72.37	S5°14'12"E	71.85
4	7°32'53"	590.00	77.73	S84°57'13"W	77.67
5	2°52'01"	808.51	40.46	S80°33'07"W	40.45
6	34°56'57"	89.00	54.29	S77°18'48"W	53.45
7	16°55'18"	562.96	166.26	S84°35'00"W	165.66
8	84°36'25"	85.66	126.49	N77°51'21"W	115.31
9	89°37'50"	10.00	15.64	N75°20'39"W	14.10

- ENTRANCE SIGNAGE A**
- A1 SHEET A1.06 (Flight of Way)
 - A2 SHEET A1.06 (Flight of Way)
 - A3 SHEET A1.08 (COBO Property)
 - A4 SHEET A1.08 (COBO Property)
 - A5 SHEET A1.09 (COBO Property)

- PARKING SIGNAGE B**
- B1 SHEET A1.04 (Flight of Way)
 - B2 SHEET A1.07 (Flight of Way)

- PARKING SIGNAGE C**
- C1 SHEET A1.04 (COBO Property)
 - C2 SHEET A1.05 (COBO Property)
 - C3 SHEET A1.07 (COBO Property)

- ELECTRONIC PARKING D**
- D1 SHEET A1.05 (COBO Property)
 - D2 SHEET A1.07 (COBO Property)

LEGEND

- AREA INDICATING RIGHT OF WAY (R.O.W.)
- SIGNAGE LOCATED IN R.O.W.
- SIGNAGE LOCATED ON COBO PROPERTY
- SIGNAGE INDICATOR

DATE: 02/25/09
 SCALE: 1"=60'
 SHEET: 2 OF 19
 JOB: 17784.00D

REVISIONS:

NO.	DATE	DESCRIPTION

72 HOURS BEFORE YOU DIG CALL MISS DIG 800-487-7171

PRINCIPAL: J.N.R.
 PROJ. MNGR: C.A.A.
 DESIGN: J.Z.B.
 IND. REVIEW: J.Z.B.
 P.C. 55 AND DETROIT COMMONS

PROFESSIONAL SEAL

DESIGNED BY: CITY OF DETROIT DETROIT BUILDING AUTHORITY
 65 CADILLAC SQUARE SUITE 2800
 DETROIT, MICHIGAN 48226
 PH: (313)224-7238
 FAX: (313)224-4998

GWE
 Giffels-Webster Engineers, Inc.
 ENGINEERS-LAND SURVEYORS
 PLANNERS-LANDSCAPE ARCHITECTS
 10000 WOODBRIDGE BLVD. SUITE 100
 DETROIT, MI 48202
 PHONE (313) 836-8100
 FAX (313) 836-8177
 100 N. WOODBRIDGE BLVD. SUITE 100
 BENTON, MI 48826
 PHONE (313) 862-8446
 FAX (313) 862-8460
 6000 W. WOODBRIDGE BLVD. SUITE 100
 WASHINGTON, MI 48090
 PHONE (313) 281-8050
 FAX (313) 281-8054
 EMAIL: info@giffelswebster.com
 www.giffelswebster.com

BOUNDARY SURVEY

COBO HALL

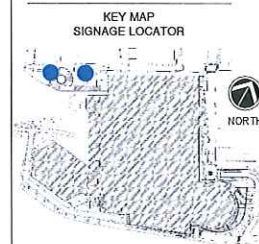
CITY OF DETROIT, WAYNE COUNTY, MICHIGAN

DATE: 02/25/09
 SCALE: 1"=60'
 SHEET: 2 OF 19
 JOB: 17784.00D

BOUNDARY SURVEY

A1.03

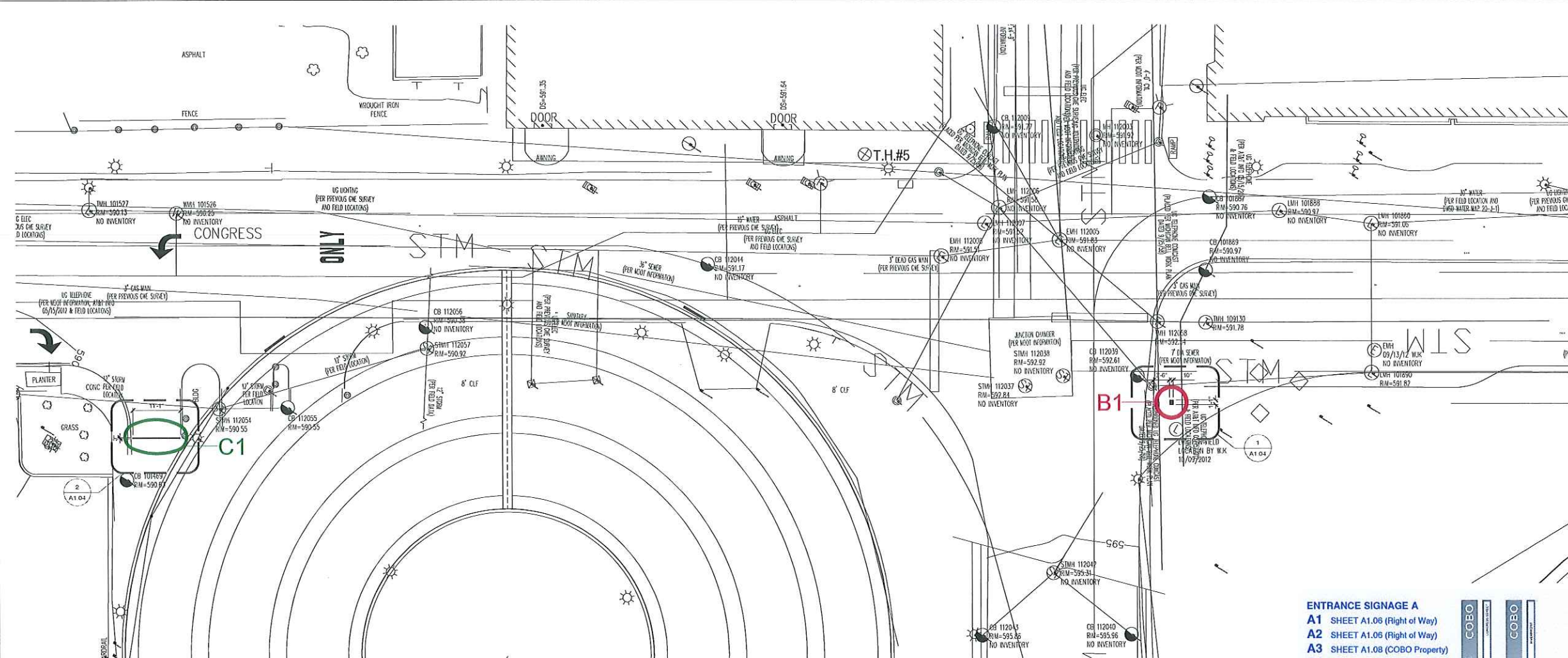
REGISTRATION SEAL
PRELIMINARY
 NOT FOR
 CONSTRUCTION
 FOR REFERENCE
 ONLY



SHEET TITLE
**EXTERIOR WAYFINDING
 SIGNAGE LOCATION
 SITE SURVEY**

SCALE: AS NOTED
 ISSUED FOR: DATE
 ISSUE: 03.00.0000

DESIGNED BY: *ASD*
 APPROVED:
PROJECT C-12
 DRAWING NUMBER
13105.86
 FILE NO
A1.04
 SHEET NO

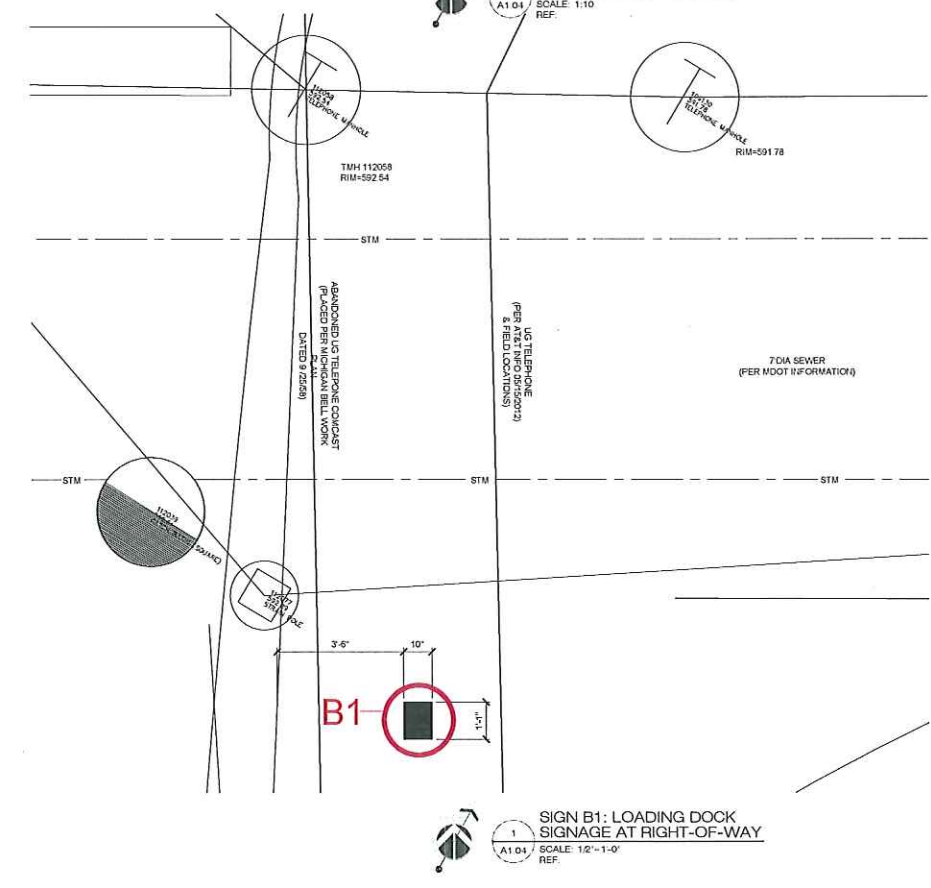
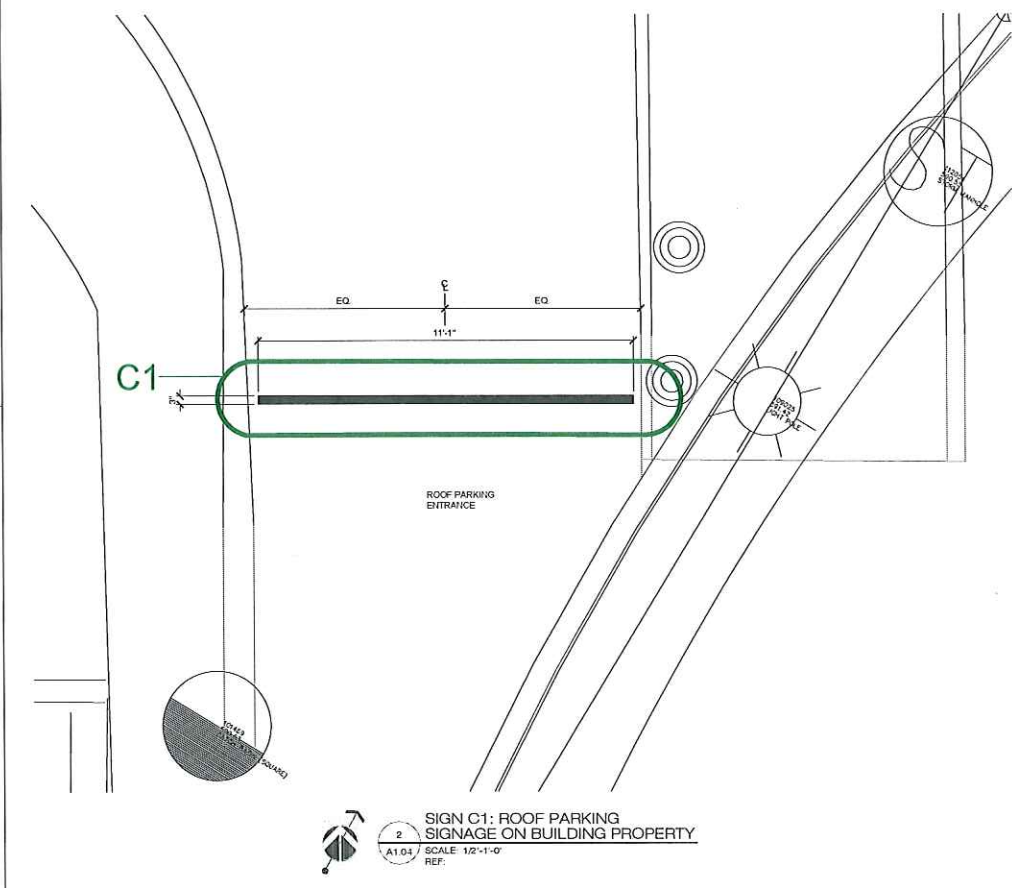
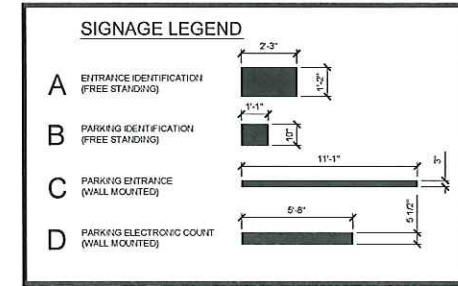


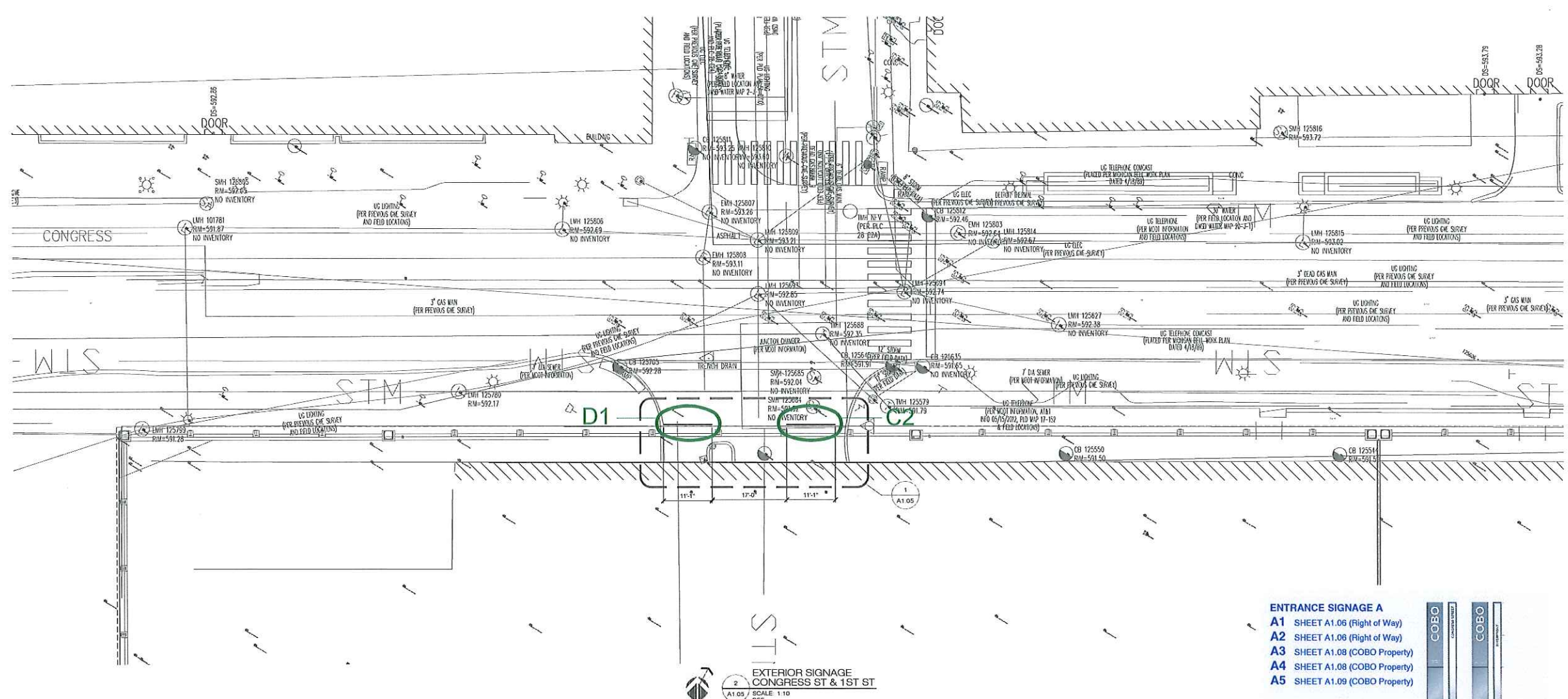
- ENTRANCE SIGNAGE A**
A1 SHEET A1.06 (Right of Way)
A2 SHEET A1.06 (Right of Way)
A3 SHEET A1.08 (COBO Property)
A4 SHEET A1.08 (COBO Property)
A5 SHEET A1.09 (COBO Property)

- PARKING SIGNAGE B**
B1 SHEET A1.04 (Right of Way)
B2 SHEET A1.07 (Right of Way)

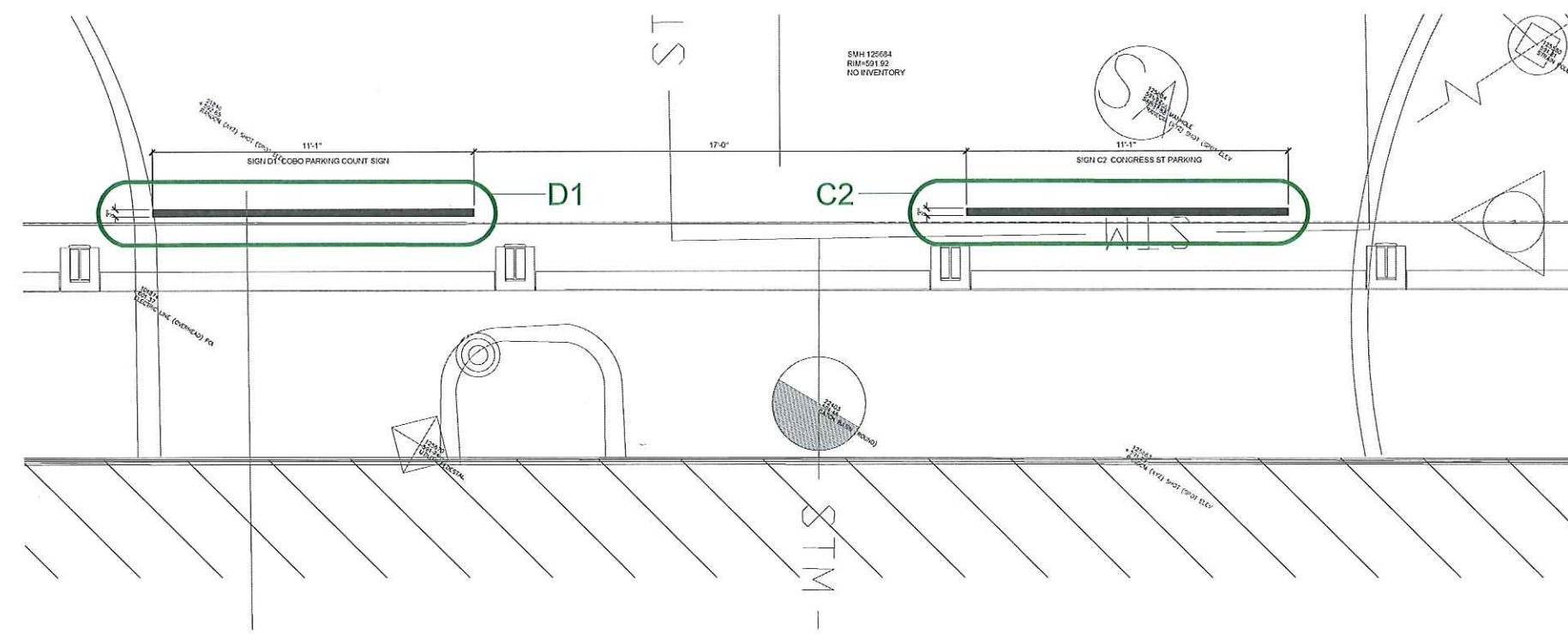
- PARKING SIGNAGE C**
C1 SHEET A1.04 (COBO Property)
C2 SHEET A1.05 (COBO Property)
C3 SHEET A1.07 (COBO Property)

- ELECTRONIC PARKING D**
D1 SHEET A1.05 (COBO Property)
D2 SHEET A1.07 (COBO Property)



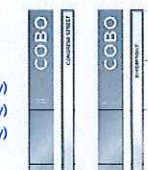


EXTERIOR SIGNAGE CONGRESS ST & 1ST ST
A1.05 SCALE: 1/10 REF.



SIGN D1 & SIGN C2: CONGRESS ST PARKING SIGNAGE ON BUILDING PROPERTY
A1.05 SCALE: 1/2"=1'-0" REF.

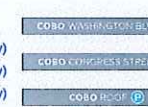
- ENTRANCE SIGNAGE A**
- A1 SHEET A1.06 (Right of Way)
 - A2 SHEET A1.08 (Right of Way)
 - A3 SHEET A1.08 (COBO Property)
 - A4 SHEET A1.08 (COBO Property)
 - A5 SHEET A1.09 (COBO Property)



- PARKING SIGNAGE B**
- B1 SHEET A1.04 (Right of Way)
 - B2 SHEET A1.07 (Right of Way)



- PARKING SIGNAGE C**
- C1 SHEET A1.04 (COBO Property)
 - C2 SHEET A1.05 (COBO Property)
 - C3 SHEET A1.07 (COBO Property)



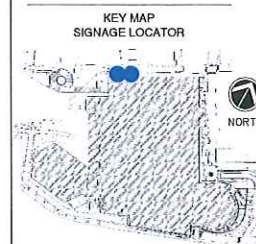
- ELECTRONIC PARKING D**
- D1 SHEET A1.05 (COBO Property)
 - D2 SHEET A1.07 (COBO Property)



SIGNAGE LEGEND

A	ENTRANCE IDENTIFICATION (FREE STANDING)	
B	PARKING IDENTIFICATION (FREE STANDING)	
C	PARKING ENTRANCE (WALL MOUNTED)	
D	PARKING ELECTRONIC COUNT (WALL MOUNTED)	

REGISTRATION SEAL
PRELIMINARY NOT FOR CONSTRUCTION FOR REFERENCE ONLY



EXTERIOR WAYFINDING SIGNAGE LOCATION SITE SURVEY

SCALE: AS NOTED

ISSUED FOR: _____ DATE: _____
 ISSUE: 00.00.0000

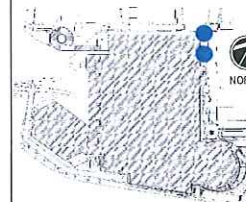
DESIGNED BY: *AMC*

PROJECT C-12
 13105.86
A1.05

REGISTRATION SEAL

**PRELIMINARY
NOT FOR
CONSTRUCTION
FOR REFERENCE
ONLY**

KEY MAP
SIGNAGE LOCATOR



EXTERIOR WAYFINDING
SIGNAGE LOCATION
SITE SURVEY

SCALE: AS NOTED

ISSUED FOR: DATE

ISSUE: 00.00.0000

DRAWN BY: *ME*

CHECKED:

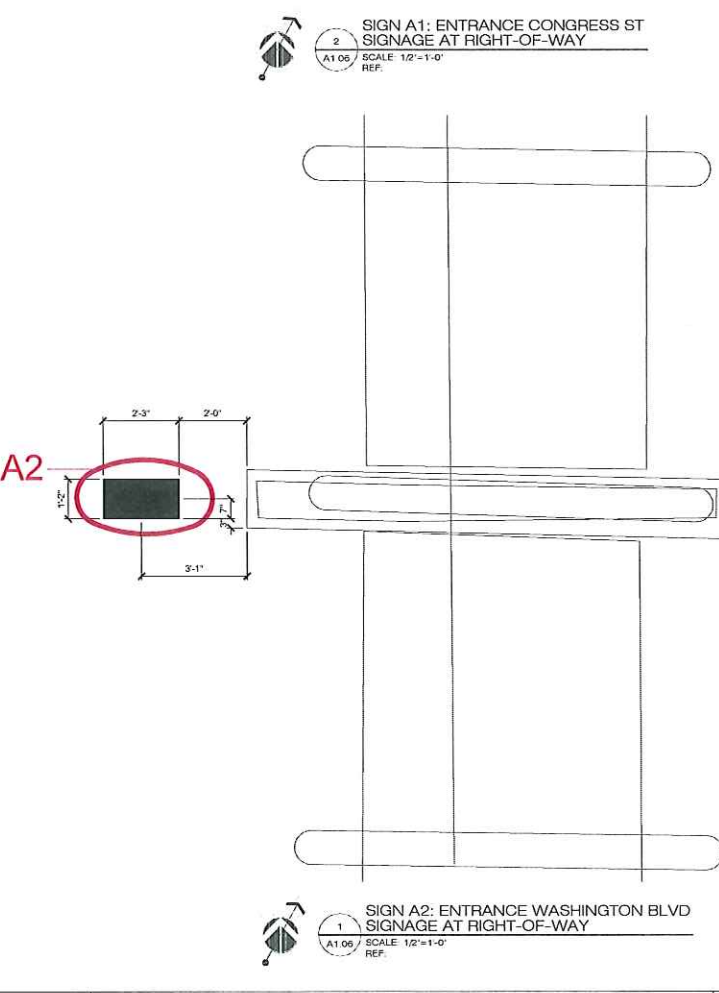
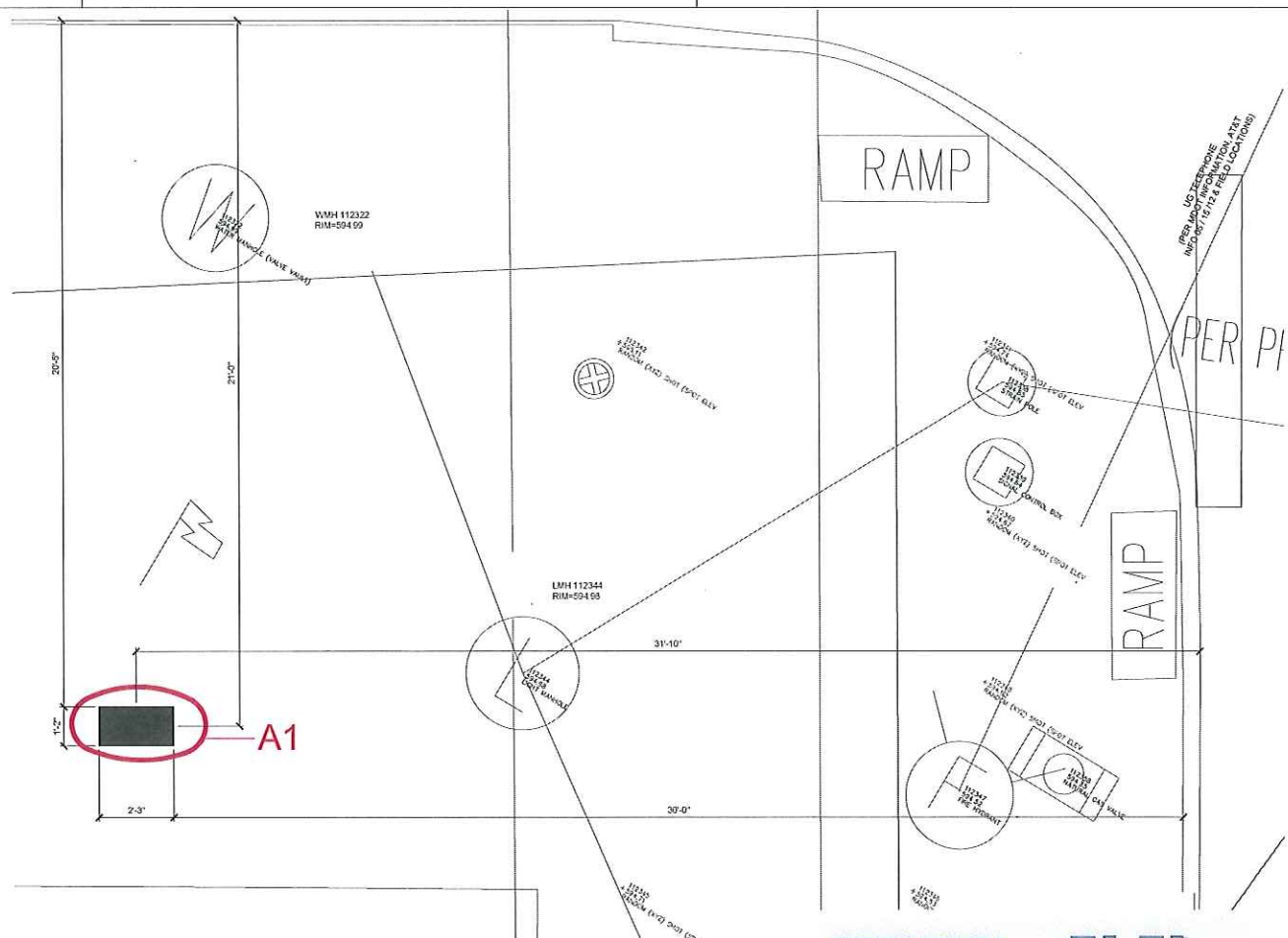
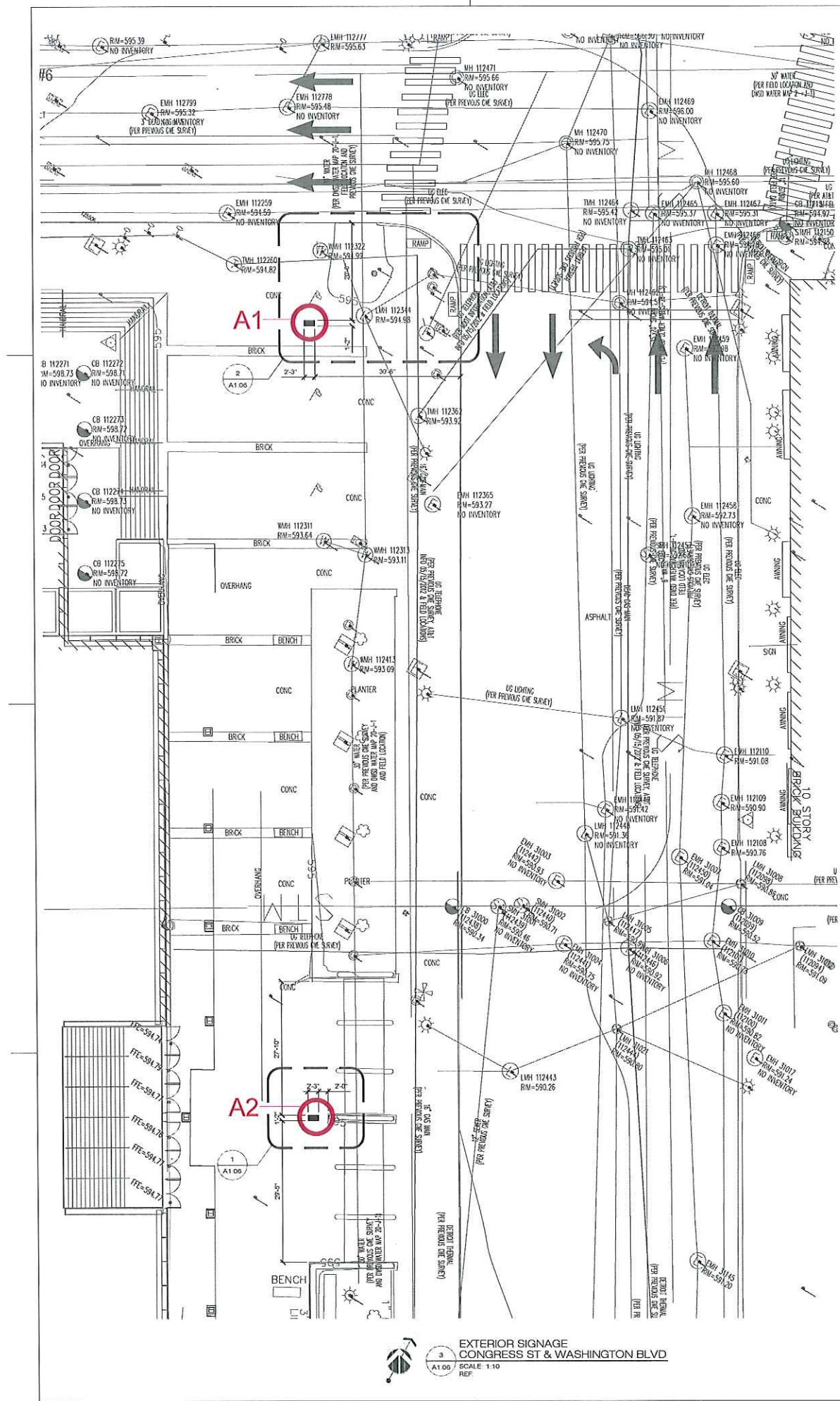
APPROVED:

PROJECT C-12

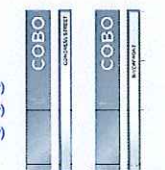
13105.86

A1.06

SHEET NO



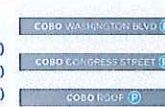
- ENTRANCE SIGNAGE A**
- A1 SHEET A1.06 (Right of Way)
 - A2 SHEET A1.06 (Right of Way)
 - A3 SHEET A1.08 (COBO Property)
 - A4 SHEET A1.08 (COBO Property)
 - A5 SHEET A1.09 (COBO Property)



- PARKING SIGNAGE B**
- B1 SHEET A1.04 (Right of Way)
 - B2 SHEET A1.07 (Right of Way)



- PARKING SIGNAGE C**
- C1 SHEET A1.04 (COBO Property)
 - C2 SHEET A1.05 (COBO Property)
 - C3 SHEET A1.07 (COBO Property)



- ELECTRONIC PARKING D**
- D1 SHEET A1.05 (COBO Property)
 - D2 SHEET A1.07 (COBO Property)



SIGNAGE LEGEND	
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B	PARKING IDENTIFICATION (FREE STANDING)
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D	PARKING ELECTRONIC COUNT (WALL MOUNTED)

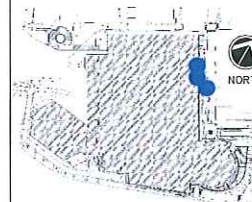
EXTERIOR SIGNAGE
CONGRESS ST & WASHINGTON BLVD
A1.06 SCALE: 1:10 REF.

SIGN A2: ENTRANCE WASHINGTON BLVD
SIGNAGE AT RIGHT-OF-WAY
A1.06 SCALE: 1/2"=1'-0" REF.

REGISTRATION SEAL

PRELIMINARY NOT FOR CONSTRUCTION FOR REFERENCE ONLY

KEY MAP SIGNAGE LOCATOR



SHEET TITLE
EXTERIOR WAYFINDING SIGNAGE LOCATION SITE SURVEY

SCALE: AS NOTED

ISSUED FOR: DATE: 00.00.0000

ISSUE: 00.00.0000

DESIGNED BY: *AMC*

CHECKED BY: _____

APPROVED BY: _____

PROJECT C-12

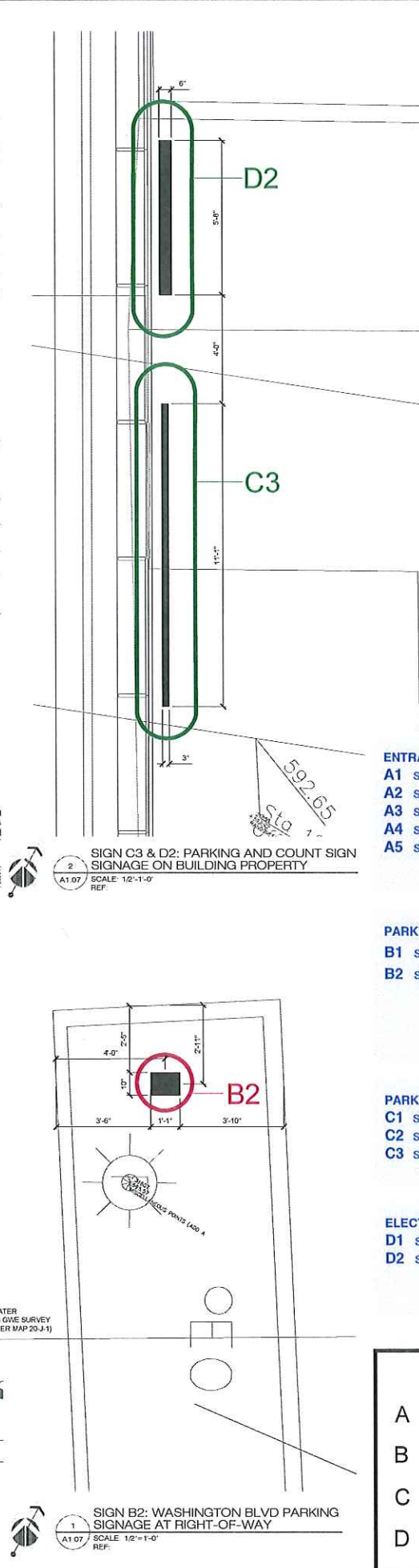
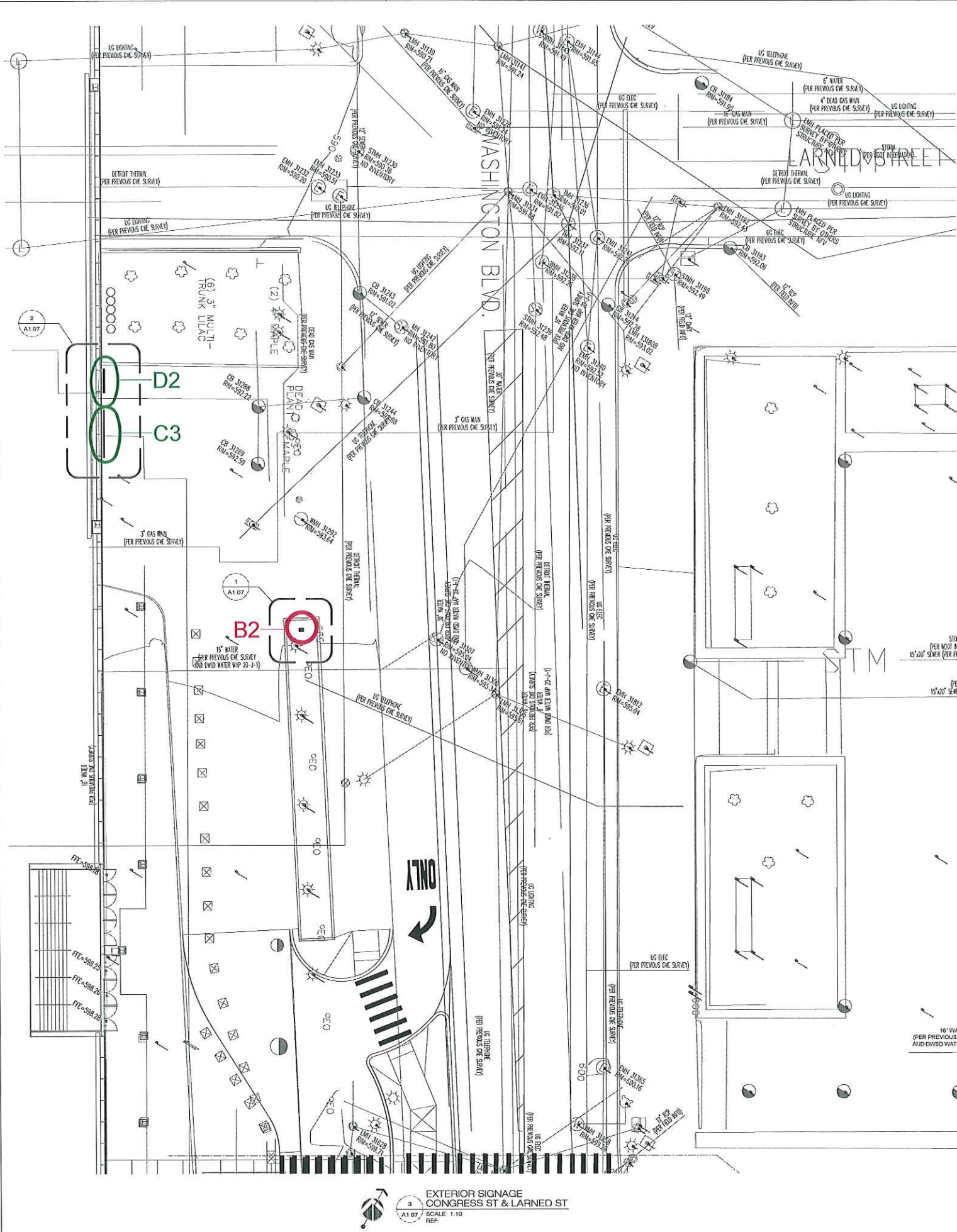
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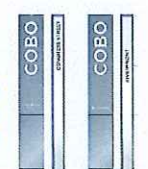
FILE NO:

A1.07

DATE:



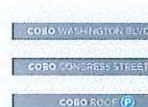
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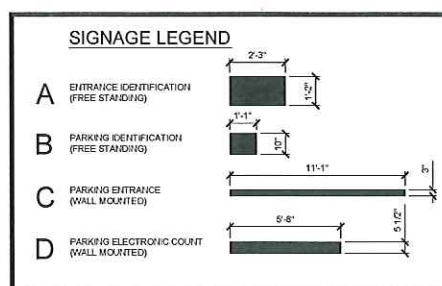
- PARKING SIGNAGE B**
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 - B2 SHEET A1.07 (Right of Way)



- PARKING SIGNAGE C**
- C1 SHEET A1.04 (COBO Property)
 - C2 SHEET A1.05 (COBO Property)
 - C3 SHEET A1.07 (COBO Property)



- ELECTRONIC PARKING D**
- D1 SHEET A1.05 (COBO Property)
 - D2 SHEET A1.07 (COBO Property)



REGISTRATION SEAL
**PRELIMINARY
 NOT FOR
 CONSTRUCTION
 FOR REFERENCE
 ONLY**

KEY MAP
 SIGNAGE LOCATOR



SHEET TITLE
**EXTERIOR WAYFINDING
 SIGNAGE LOCATION
 SITE SURVEY**

SCALE: AS NOTED

ISSUED FOR: _____ DATE: _____
 ISSUE: _____ 00.00.0000

DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____

PROJECT C-12
 13105.86
A1.08

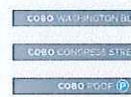
- ENTRANCE SIGNAGE A**
 A1 SHEET A1.06 (Right of Way)
 A2 SHEET A1.06 (Right of Way)
 A3 SHEET A1.08 (COBO Property)
 A4 SHEET A1.08 (COBO Property)
 A5 SHEET A1.09 (COBO Property)



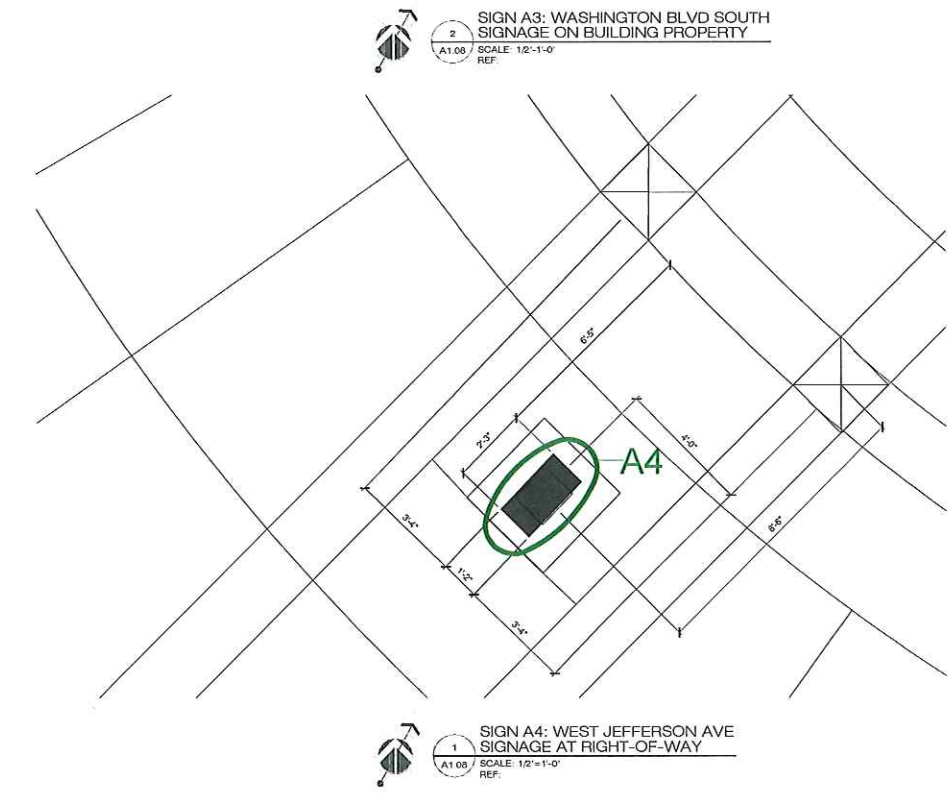
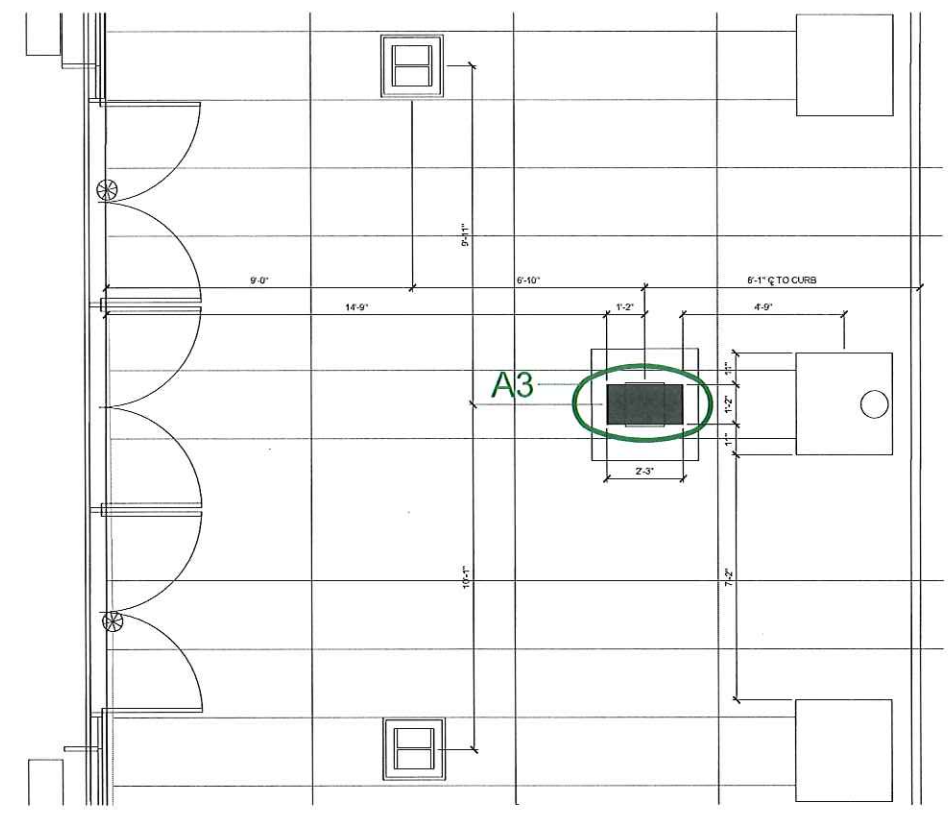
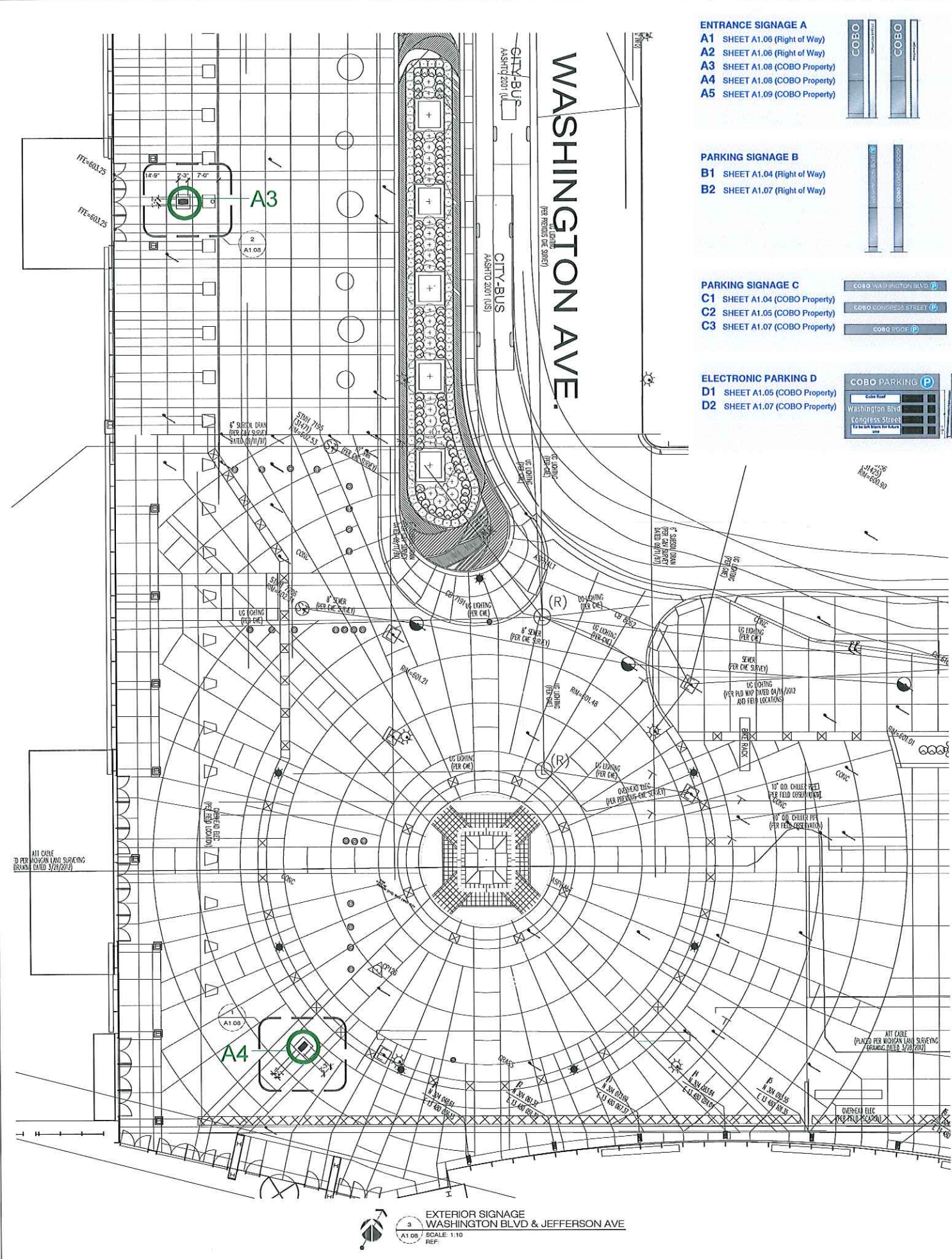
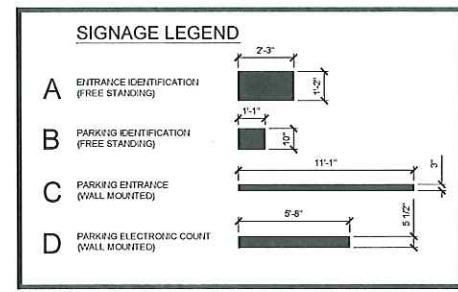
- PARKING SIGNAGE B**
 B1 SHEET A1.04 (Right of Way)
 B2 SHEET A1.07 (Right of Way)



- PARKING SIGNAGE C**
 C1 SHEET A1.04 (COBO Property)
 C2 SHEET A1.05 (COBO Property)
 C3 SHEET A1.07 (COBO Property)

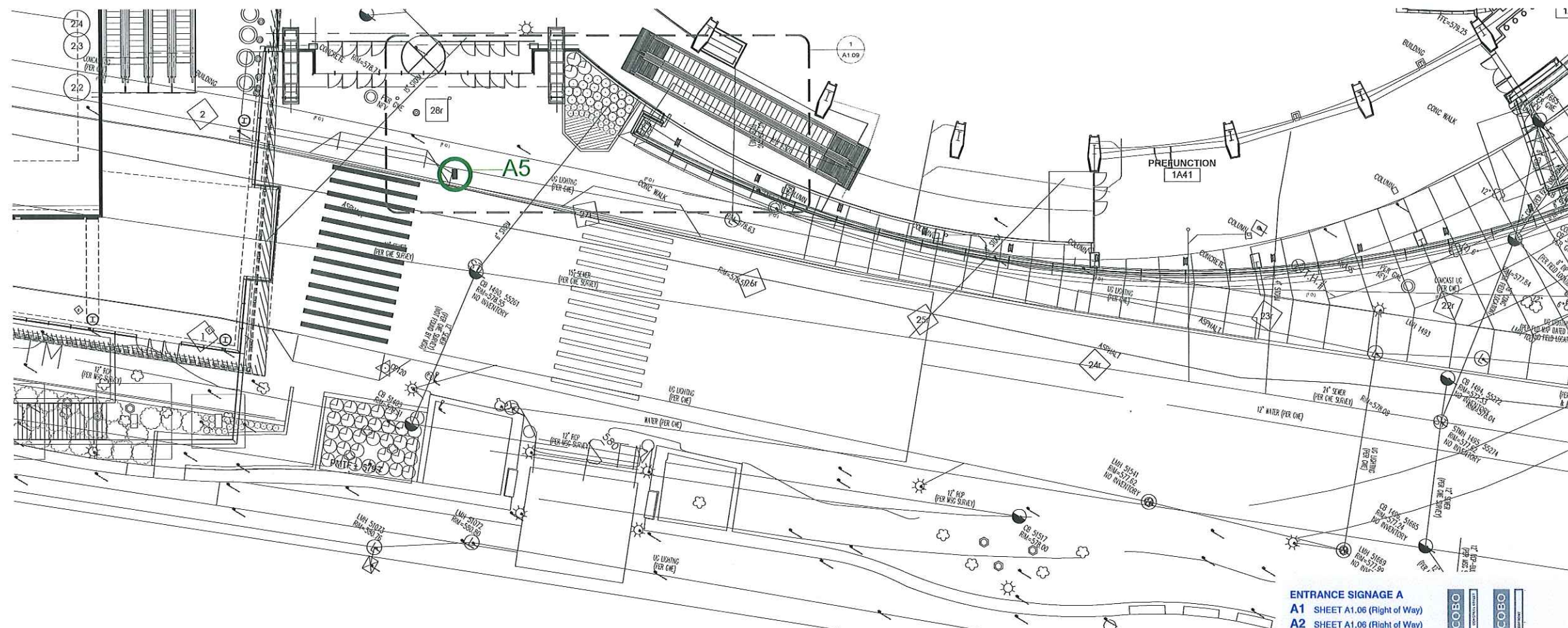


- ELECTRONIC PARKING D**
 D1 SHEET A1.05 (COBO Property)
 D2 SHEET A1.07 (COBO Property)

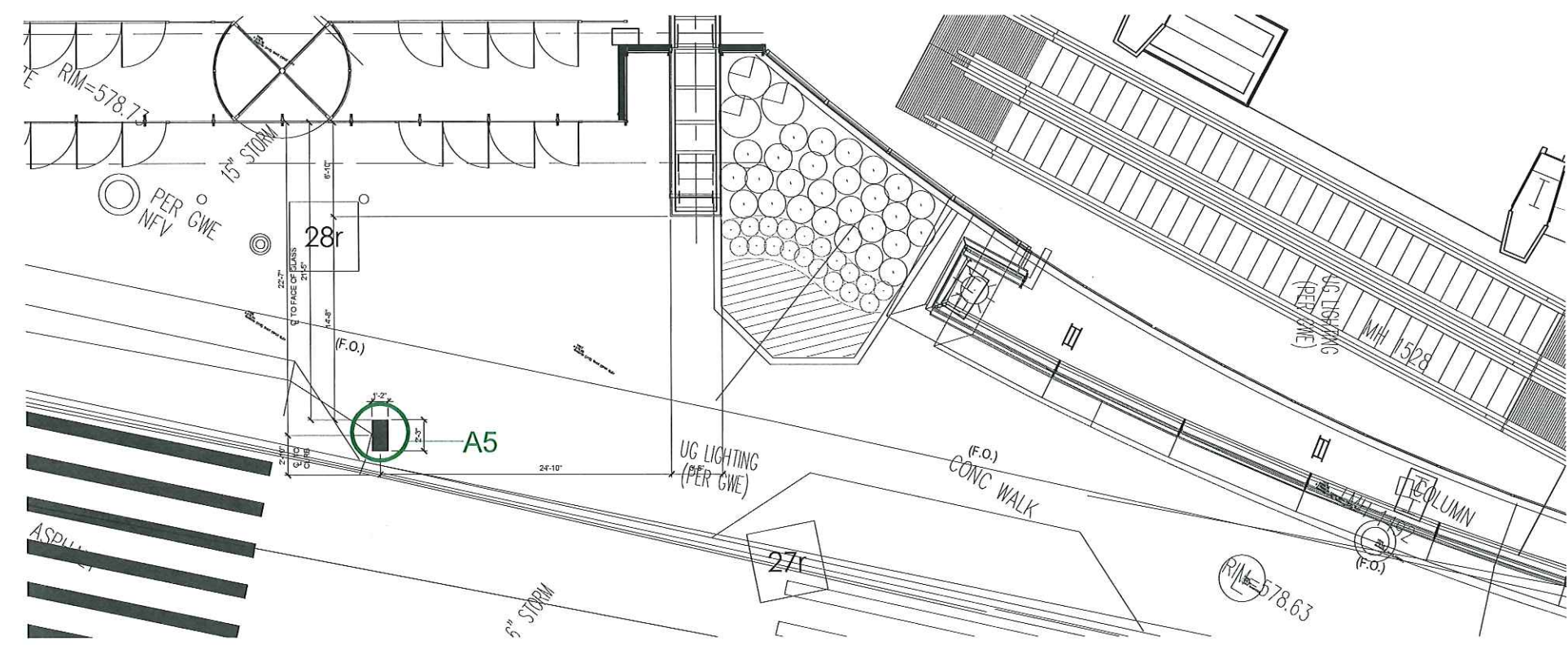


EXTERIOR SIGNAGE
 WASHINGTON BLVD & JEFFERSON AVE
 A1.08 SCALE: 1/2"=1'-0"
 REF.

SIGN A4: WEST JEFFERSON AVE
 SIGNAGE AT RIGHT-OF-WAY
 A1.08 SCALE: 1/2"=1'-0"
 REF.

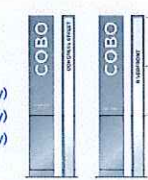


EXTERIOR SIGNAGE AT WATER STREET
A1 09 SCALE 1/10 REF

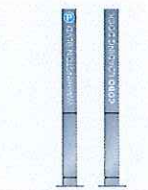


SIGN A5: RIVERFRONT ENTRANCE SIGNAGE AT RIGHT-OF-WAY
A1 09 SCALE 1/4"=1'-0" REF

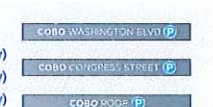
- ENTRANCE SIGNAGE A**
- A1 SHEET A1.06 (Right of Way)
 - A2 SHEET A1.06 (Right of Way)
 - A3 SHEET A1.08 (COBO Property)
 - A4 SHEET A1.08 (COBO Property)
 - A5 SHEET A1.09 (COBO Property)



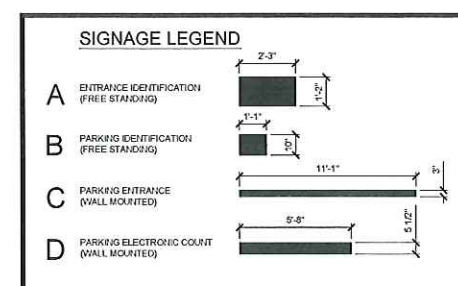
- PARKING SIGNAGE B**
- B1 SHEET A1.04 (Right of Way)
 - B2 SHEET A1.07 (Right of Way)



- PARKING SIGNAGE C**
- C1 SHEET A1.04 (COBO Property)
 - C2 SHEET A1.05 (COBO Property)
 - C3 SHEET A1.07 (COBO Property)



- ELECTRONIC PARKING D**
- D1 SHEET A1.05 (COBO Property)
 - D2 SHEET A1.07 (COBO Property)



REGISTRATION SEAL
PRELIMINARY
NOT FOR
CONSTRUCTION
FOR REFERENCE
ONLY



SHEET FILE
EXTERIOR WAYFINDING
SIGNAGE LOCATION
SITE SURVEY

SCALE: AS NOTED

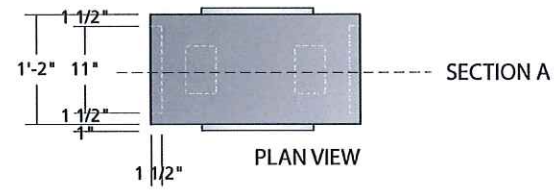
DESIGNED FOR: _____ DATE: _____

SIGNAGE RELOCATION: _____ DATE: 10.16.2014

DESIGNED BY: *ASG*

APPROVED: _____

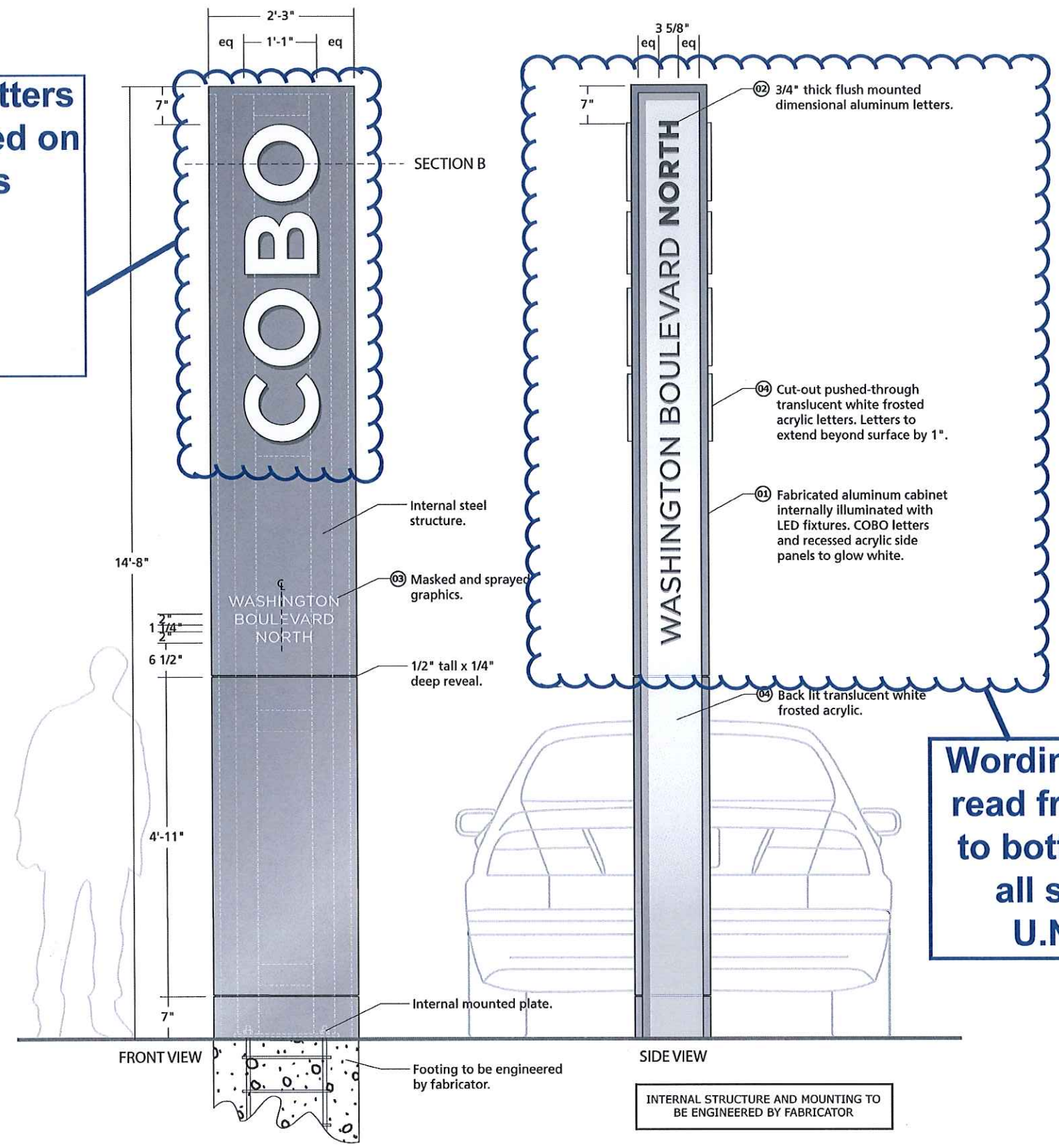
PROJECT C-12
13105.86
A1.09



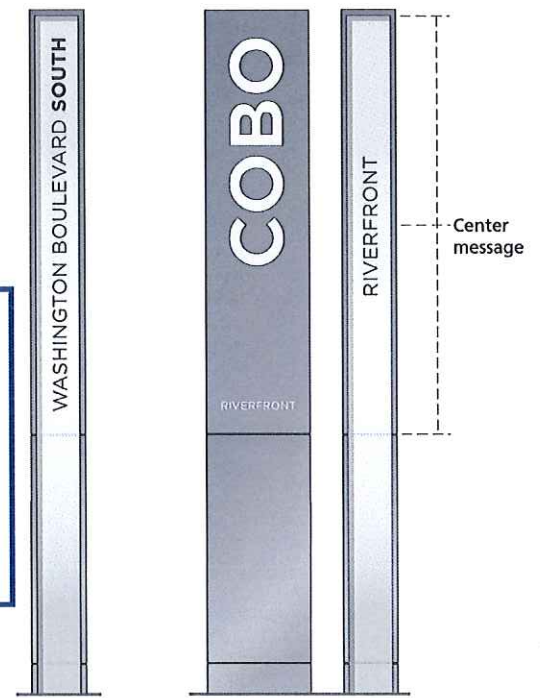
See message schedule and location plans for final text and sign locations.

"COBO" Letters to be stacked on all signs

C
O
B
O



ALTERNATE LAYOUTS



ALTERNATE LAYOUTS

Wording to be read from top to bottom on all signs

U.N.O.

Sign Type

Ix-1
Exterior Free-Standing Entrance Identification

Scale

1/2" = 1'-0"
(on an 11 x 17 sheet)

Color Code

- ① MP09648 Gray Matter
- ② MP08029 Iron Age
- ③ MP26386 Verizon White
- ④ Frosted Acrylic

corbindesign

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and the representatives of the Cobo Convention Center.

Date Description

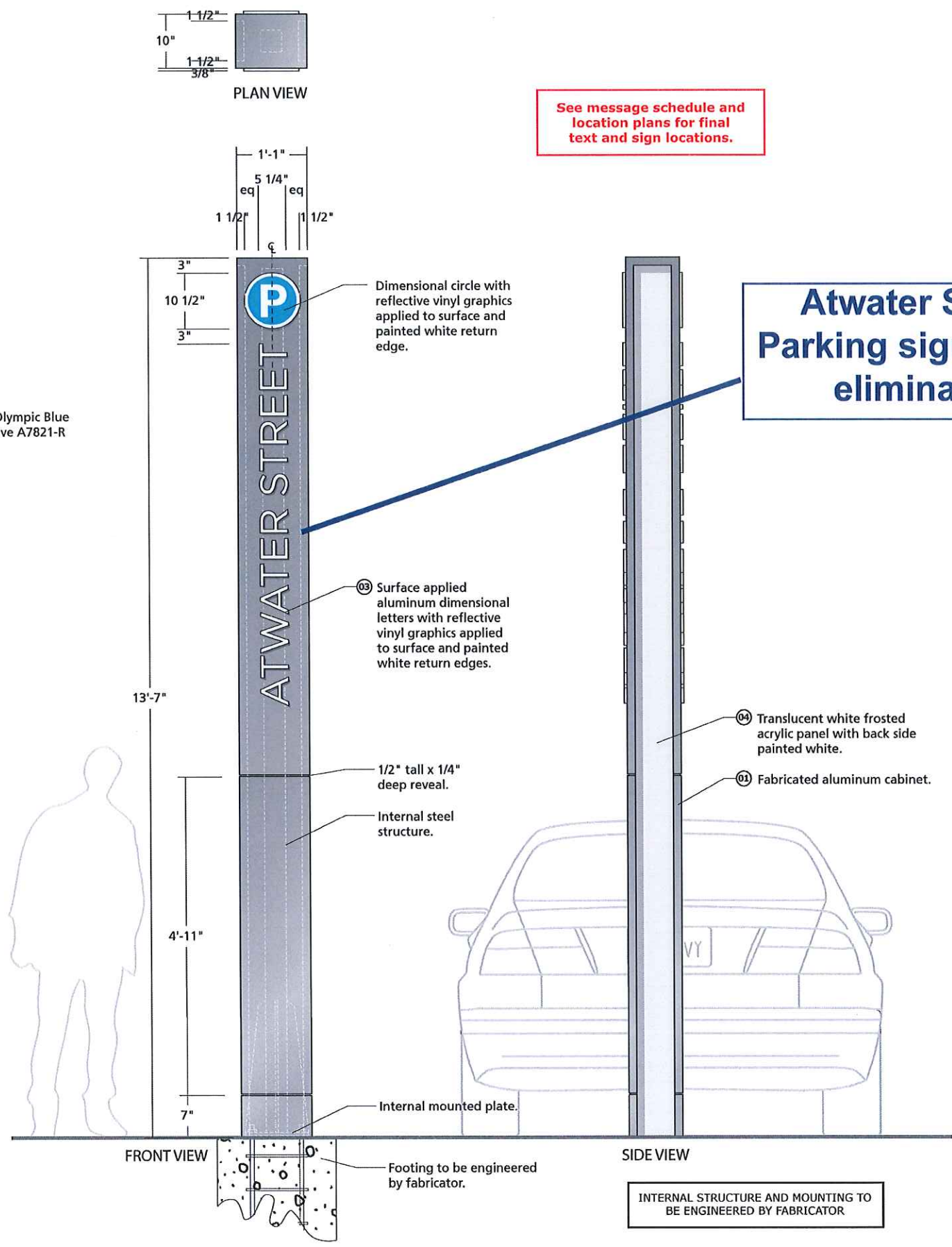
Date	Description
10.01.12	Preliminary
02.06.14	Design Intent

Client

COBO
Convention Center
Detroit, Michigan

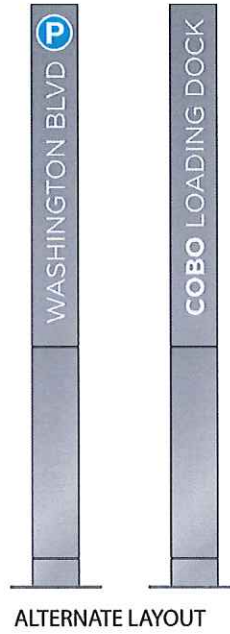
SIGNAGE DETAIL

A1.10



See message schedule and location plans for final text and sign locations.

**Atwater Street
 Parking signs to be eliminated**



Sign Type

**Ix-3
 Free-Standing
 Parking Identification**

Scale

1/2" = 1'-0"
 (on an 11 x 17 sheet)

Color Code

- 01 MP09648 Gray Matter
- 02 MP08029 Iron Age
- 03 MP26386 Verizon White
- 04 Frosted Acrylic
- 05 Parking Blue

corbindesign

Notes

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Date Description

Date	Description
10.01.12	Preliminary
02.06.14	Design Intent

Client

**COBO
 Convention Center
 Detroit, Michigan**



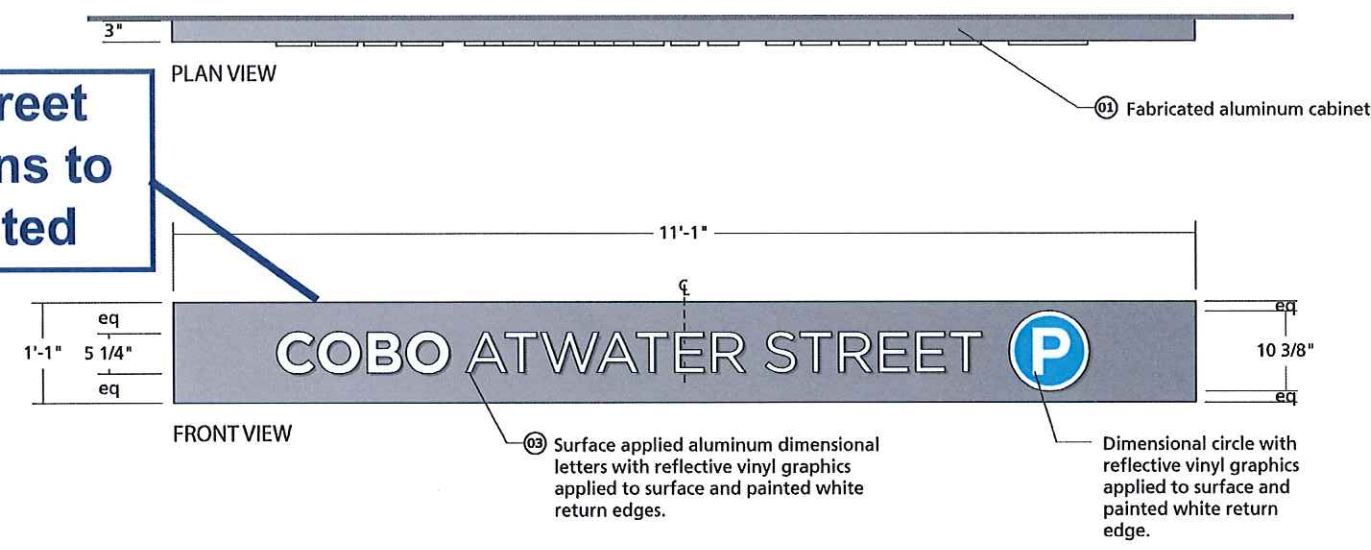
SIGNAGE DETAIL

A1.11

**Atwater Street
Parking signs to
be eliminated**

See message schedule and location plans for final text and sign locations.

INTERNAL STRUCTURE AND MOUNTING TO BE ENGINEERED BY FABRICATOR

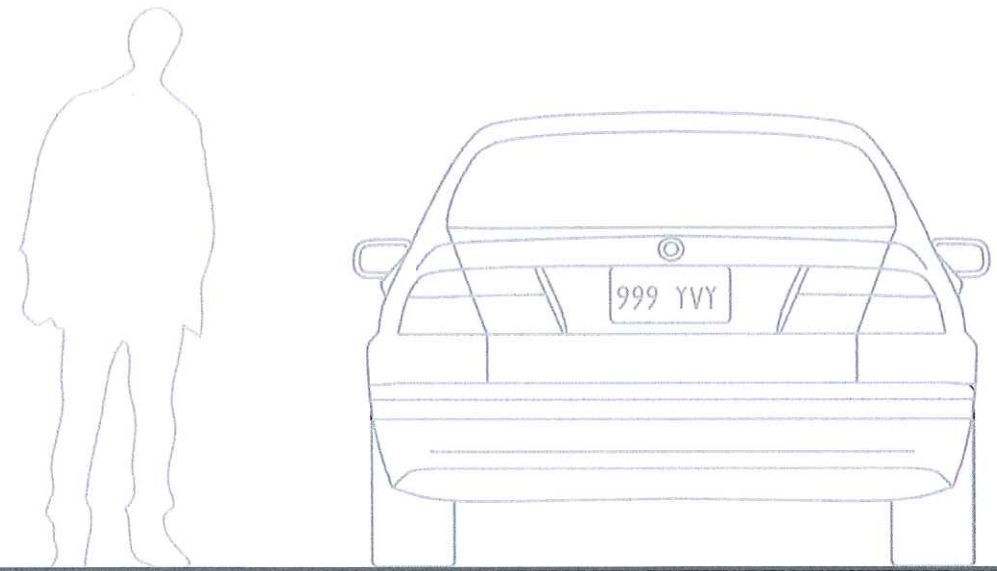
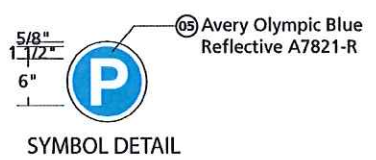


COBO WASHINGTON BLVD P

COBO CONGRESS STREET P

COBO ROOF P

ALTERNATE LAYOUTS



Sign Type

Ix-3
Wall Mounted Parking Entrance Identification

Scale

1/2" = 1'-0"
(on an 11 x 17 sheet)

Color Code

- ① MP09648 Gray Matter
- ② MP08029 Iron Age
- ③ MP26386 Verizon White
- ④ Frosted Acrylic
- ⑤ Parking Blue

corbindesign

Notes

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Date	Description
10.01.12	Preliminary
02.06.14	Design Intent

Client

COBO
Convention Center
Detroit, Michigan

SIGNAGE DETAIL

A1.12

Direct-View LED Traffic Controller
SA3468GRGGG-F978

PRODUCT NUMBER
26770

CABINET DIMENSIONS
34" H x 68" W x 5.5" D

ILLUMINATION SOURCE
Super bright, wide viewing angle LEDs
Available in green, red, blue, amber, and white LEDs
Messages "blankout" when turned off, eliminating confusion
Long life, solid state lighting

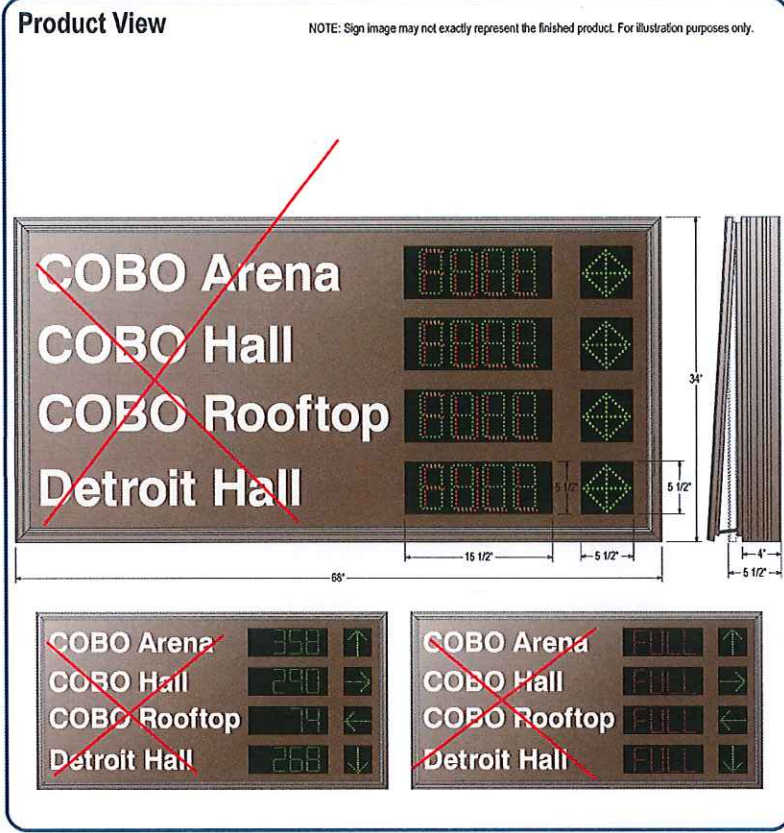
ELECTRICAL
Integrated solid state power supply
Standard Voltage: 120 VAC, Optional Voltages: 9-36 V, 240 VAC, 277 VAC
Maximum amps per lighted message (at 120 V) shown in the table below
UL/CUL approved for wet locations

CONSTRUCTION
Faces: Single Faced Sign
Extrusions (SAALSI): 5.5" deep mitered corrosion resistant aluminum housing with integrated hinged face
Face Material (SAALSI): 1/8" routed aluminum panel backed with impact resistant, smoke tinted Polycarbonate 1/8" thick
Vinyl Style: Vinyl is applied in a standard surface cut style
Vinyl Color: Applied vinyl color is reflective white

FINISH
Standard Cabinet Color: Duranodic Bronze
Custom colors available upon request

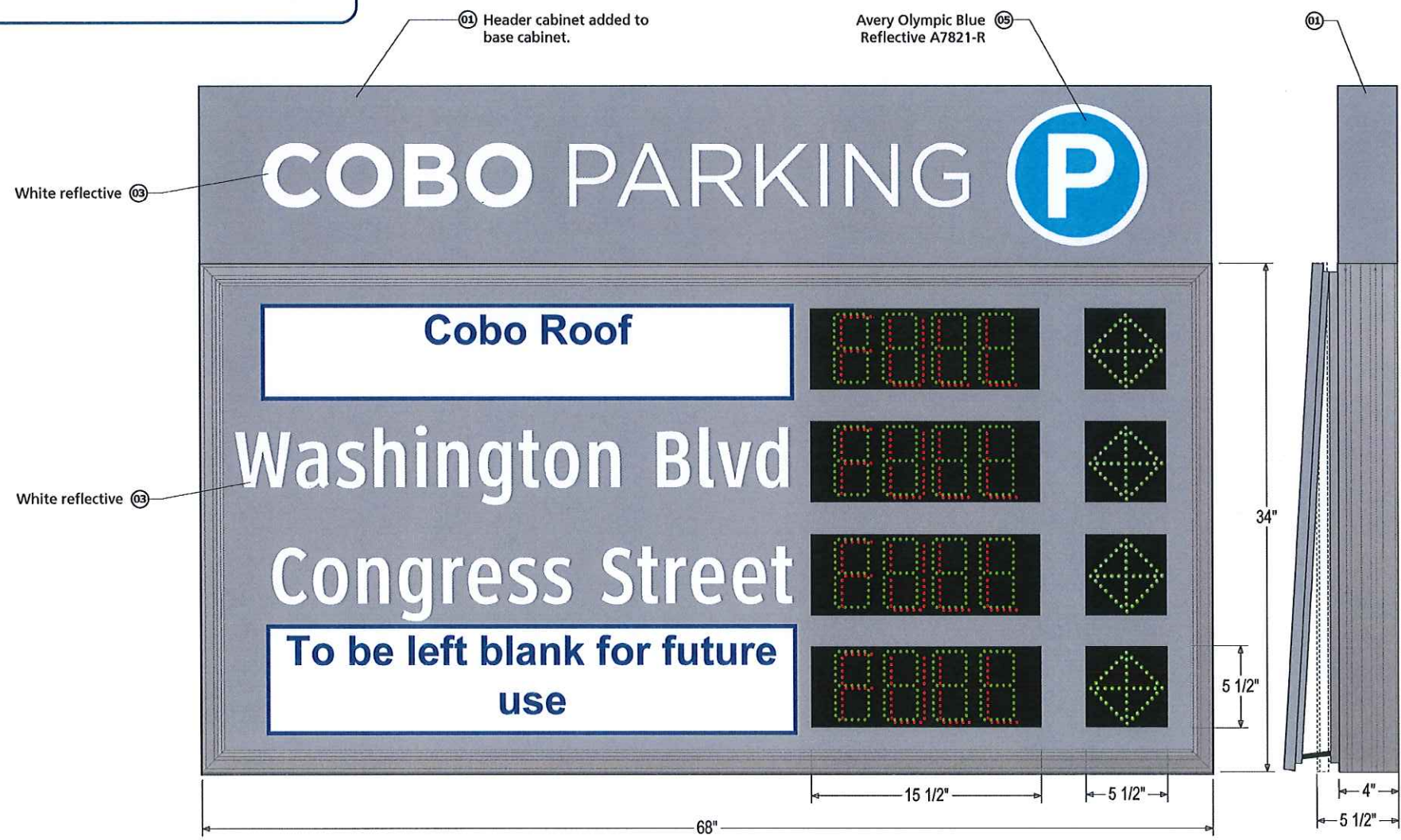
MESSAGE	COLOR	HEIGHT	AMPS
4 DIGIT SEVEN SEGMENT	Wide Angle Green Oval	5.0"	0.06
FULL	Wide Angle Red Oval	5.0"	0.02
ALL TEXT	Reflective White Vinyl	3.75"	
MULTI-DIRECTIONAL ARROW	Wide Angle Green Oval	5.0"	0.06

Trans-Tech
4999 Pittsburgh Ave.
Erie, PA 16509
Phone: (888) 811-7010
Fax: (814) 836-8401
Email: sales@transportation-tech.com
Website: www.transportation-tech.com
Proudly Made in the USA



ORIGINAL DESIGN AND LAYOUT

PROPOSED DESIGN CHANGES



Sign Type

Electronic Parking Sign

four (4) total for
Roof, Congress, &
Washington

Scale

Not to scale

Color Code

- 01 MP09648 Gray Matter
- 02 MP08029 Iron Age
- 03 MP26386 Verizon White
- 04 Frosted Acrylic
- 05 Parking Blue

corbindesign

Notes

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Date Description

Date	Description
10.01.12	Preliminary
02.06.14	Design Intent

Client

COBO
Convention Center
Detroit, Michigan

SIGNAGE DETAIL

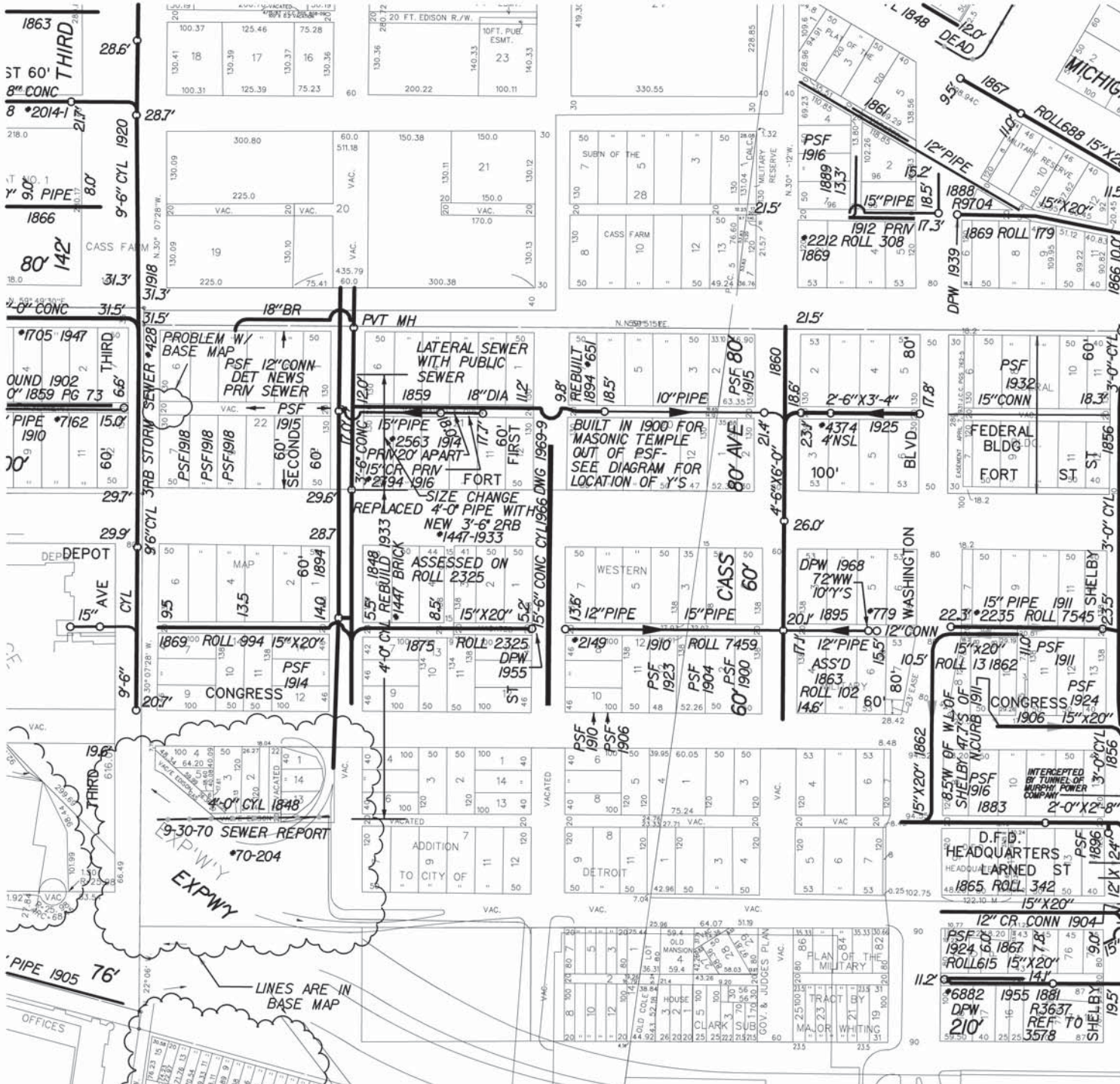
A1.13



WATER MAP		CITY OF DETROIT													
SCALE: 1" = 150'	DWSD SEC. MAP NUMBER:	NOTES:													
20-J-1															
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NAME	DATE														
DRAWN BY: CEA, INC.	03-13-97														
CHECKED BY: DWSD	03-13-97														
LOG															
REVISED THIRD															
PRINT DATE:	12-7-98														



STATE PLANE



S-28-02

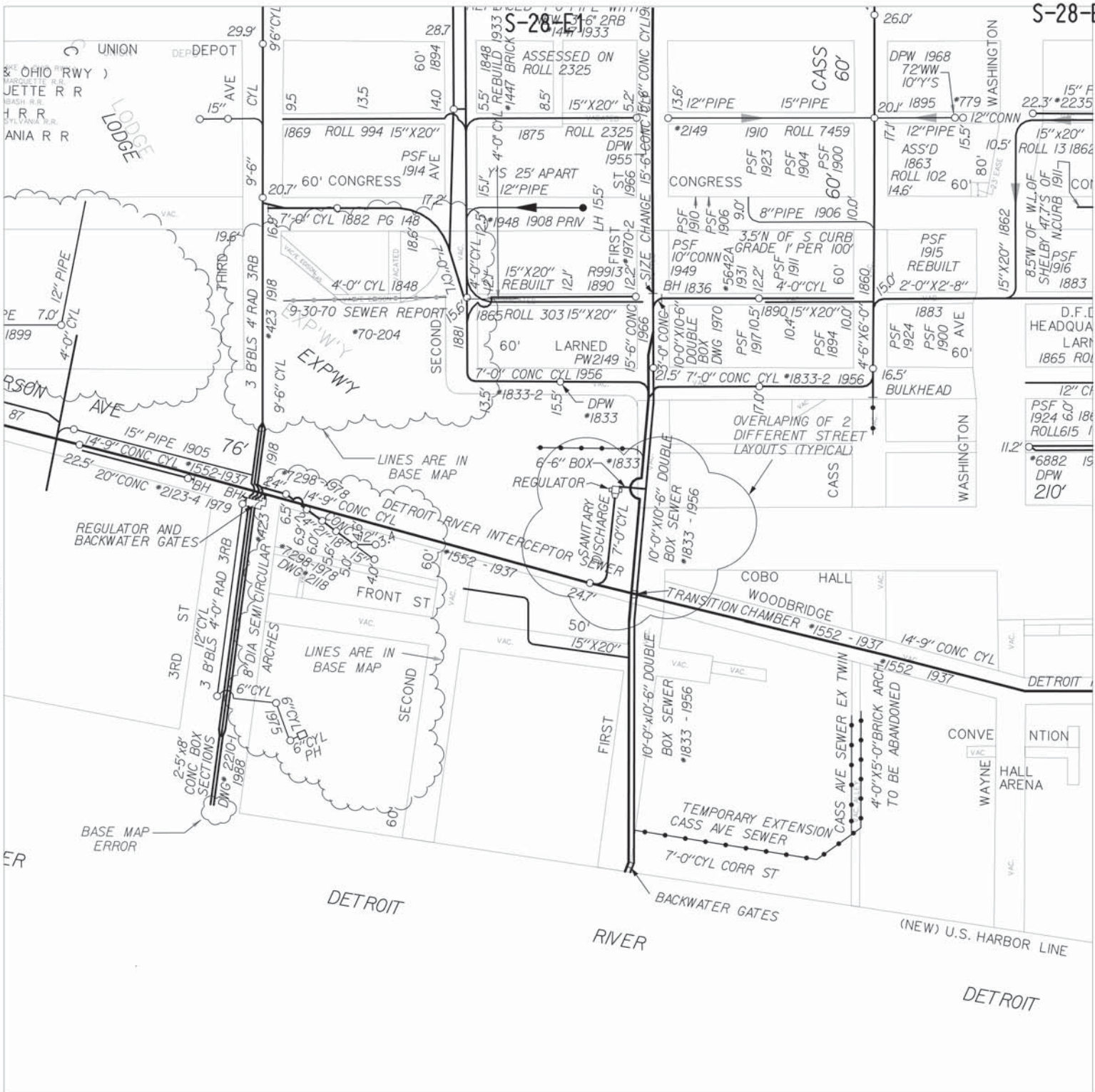
S-28-E2

S-28-E3

SEWER MAP		CITY OF DETROIT									
SCALE: 1" = 100'	DWSD SEC. MAP NUMBER:	NOTES:									
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DATE	02-20-98										
REVISION BY:	02-20-98										
REVISION TYPE:	02-21-98										
PRINT DATE:	02-21-98										



STATE PLANE



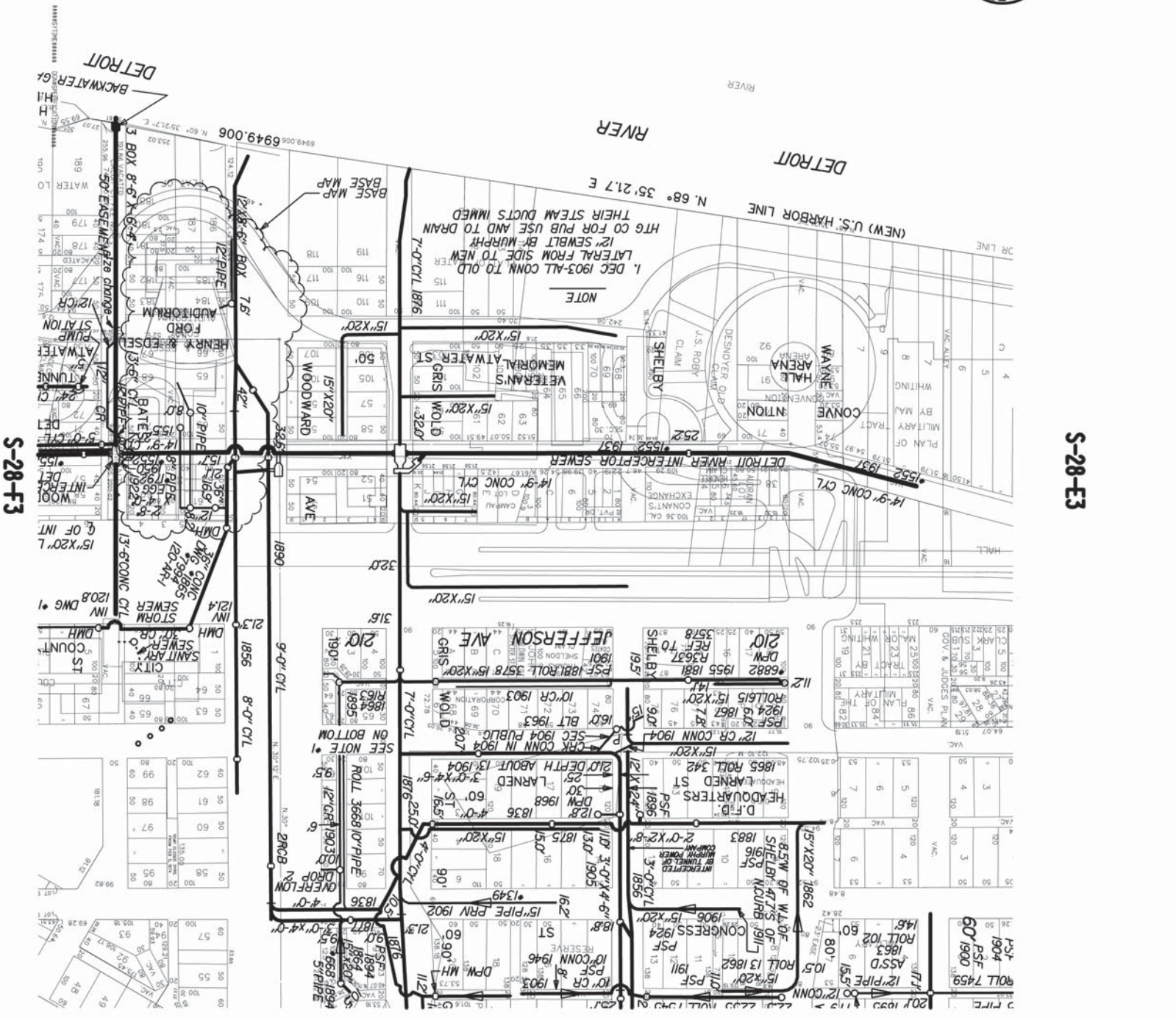
SEWER MAP		CITY OF DETROIT											
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NAME	DATE												
DIGITIZED BY: CEA, INC.	09-20-98												
CHECKED BY: DWSD	09-20-98												
REVISED THRU:	12-31-03												
PRINT DATE:	02-11-99												



STATE PLANE



SEWER MAP		CITY OF DETROIT	
DWS SEC. MAP NUMBER		REVISED THROUGH 12-31-03	
SCALE: 1" = 100'		S-28-E4	



S-28-F3

S-28-E3

S-28-E4

S-28-E2