

PROJECT DATA

CLIENT: COSTCO WHOLESALE
999 LAKE DRIVE
ISSAQUAH, WA 98027

PROJECT ADDRESS: 1255 E OGDEN AVENUE
NAPERVILLE, IL

SITE DATA:

TOTAL COSTCO SITE AREA: 18.95 ACRES
JURISDICTION: CITY OF NAPERVILLE
ZONING: B2 (CURRENT)

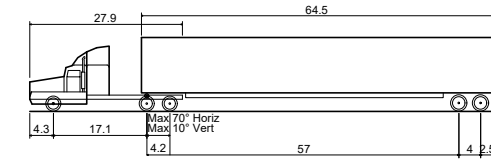
BUILDING DATA:

TOTAL BUILDING FOOTPRINT AREA: 161,210 SF
INCLUDES:
WAREHOUSE MAIN LEVEL 155,760 SF
ENCLOSED VESTIBULE 5,450 SF

PARKING DATA:

TOTAL PARKING: 912 STALLS
INCLUDES:
MAIN LEVEL PARKING PROVIDED:
10' WIDE STALLS 893 STALLS
ACCESSIBLE STALLS 19 STALLS
NUMBER OF STALLS PER 1000 SF OF BUILDING AREA: 5.70 STALLS

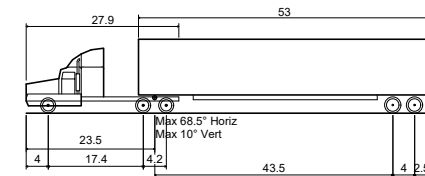
NOTES:
EXISTING CONDITIONS TO BE FIELD VERIFIED.



Overall Length 84.90ft
Overall Width 8.50ft
Overall Body Height 13.50ft
Min Body Ground Clearance 1.334ft
Max Track Width 8.50ft
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 28.40°

US - COSTCO - RECEIVING - TYP

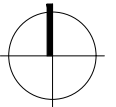
SCALE: 1/16" = 1'-0"



Overall Length 73.50ft
Overall Width 8.50ft
Overall Body Height 13.50ft
Min Body Ground Clearance 1.334ft
Max Track Width 8.50ft
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 28.40°

US - COSTCO - FUEL - MEDIUM

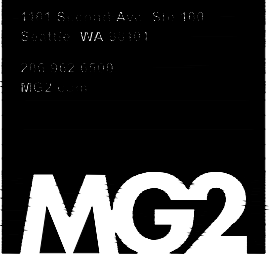
SCALE: 1/16" = 1'-0"



0 40' 80' 160'
1" = 80'-0"



NAPERVILLE, IL
(OGDEN MALL)



MARCH 4, 2020

SITE PLAN WITH
TRUCK PATH

DD13-03

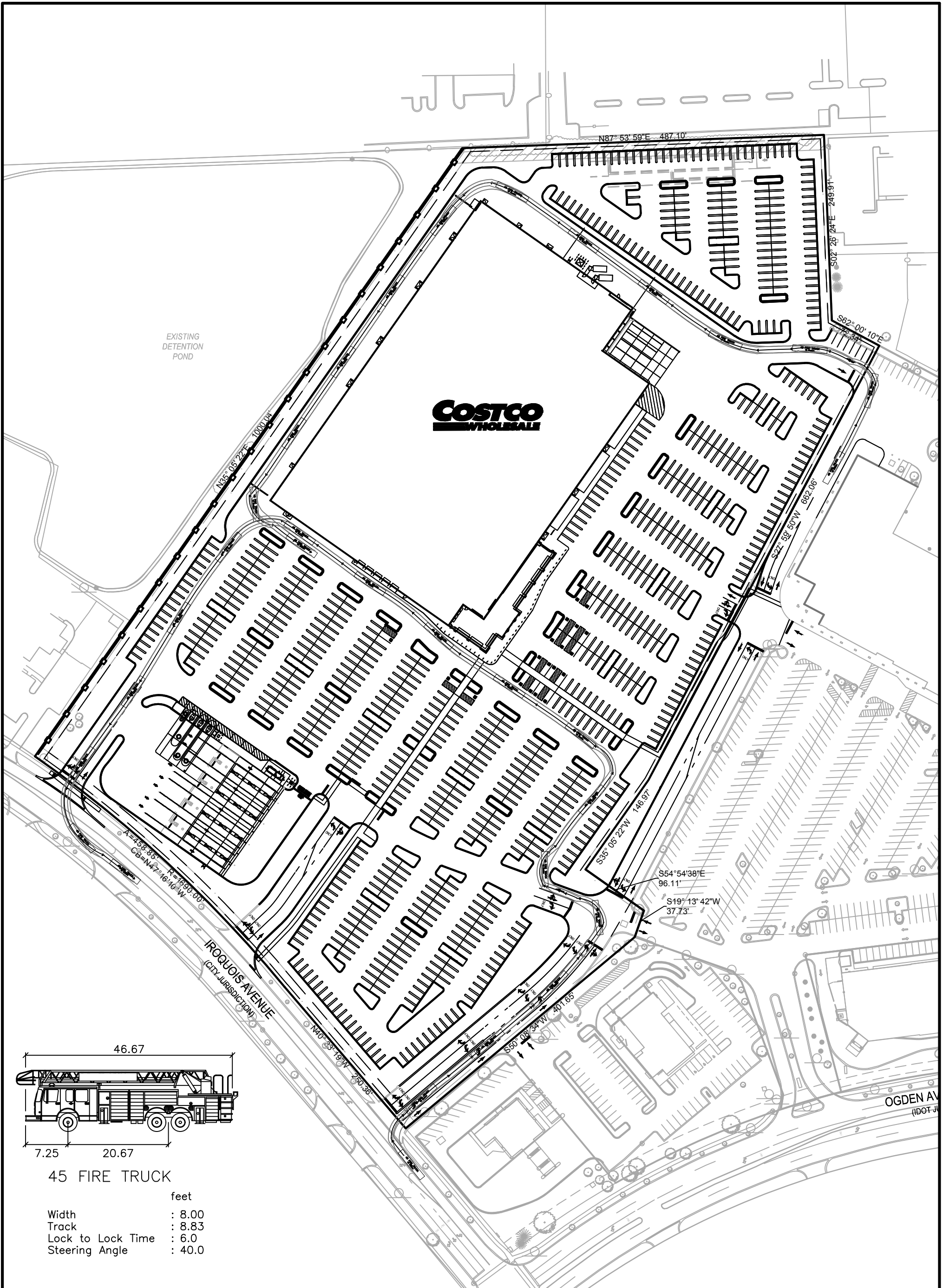
COSTCO WHOLESALE

SITE PLAN WITH TRUCK PATH

NAPERVILLE, ILLINOIS

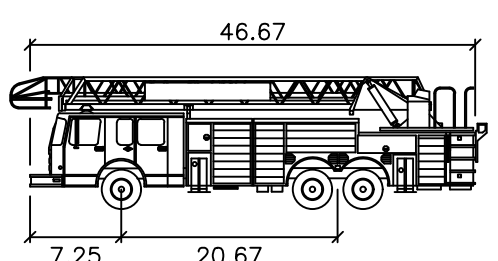
MARCH 4, 2020

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EXISTING
DETENTION
POND

COSTCO
WHOLESALE



45 FIRE TRUCK

	feet
Width	: 8.00
Track	: 8.83
Lock to Lock Time	: 6.0
Steering Angle	: 40.0

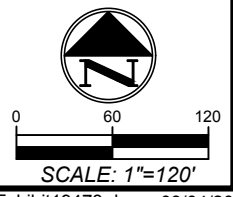
 7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

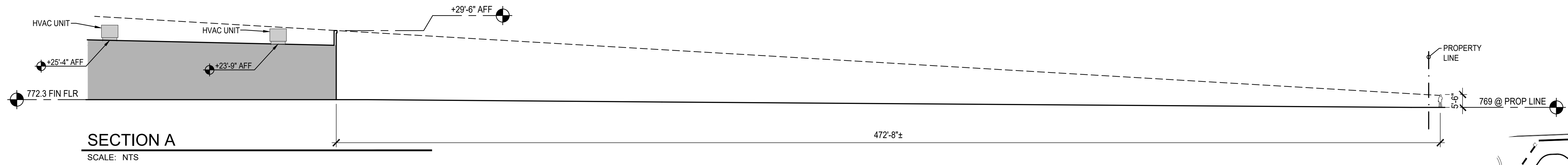
COSTCO
WHOLESALE

NAPERVILLE ILLINOIS

FIRE TRUCK EXHIBIT

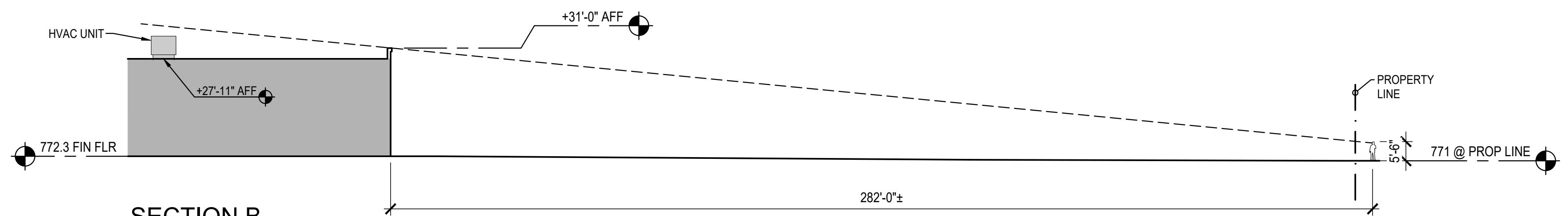
DATE: 03-03-20





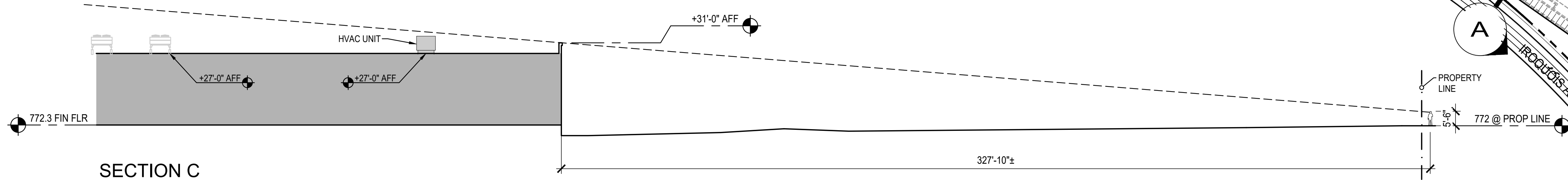
SECTION A

SCALE: NTS



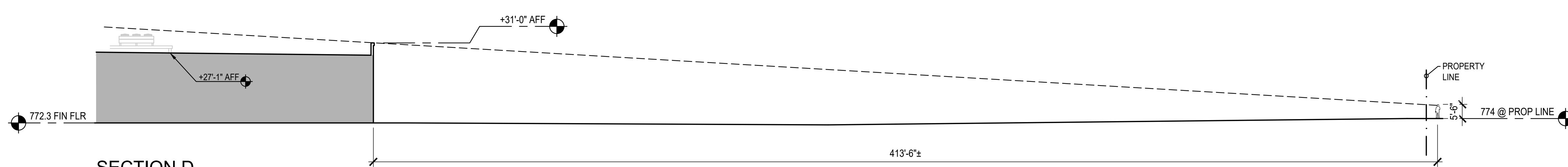
SECTION B

SCALE: NTS



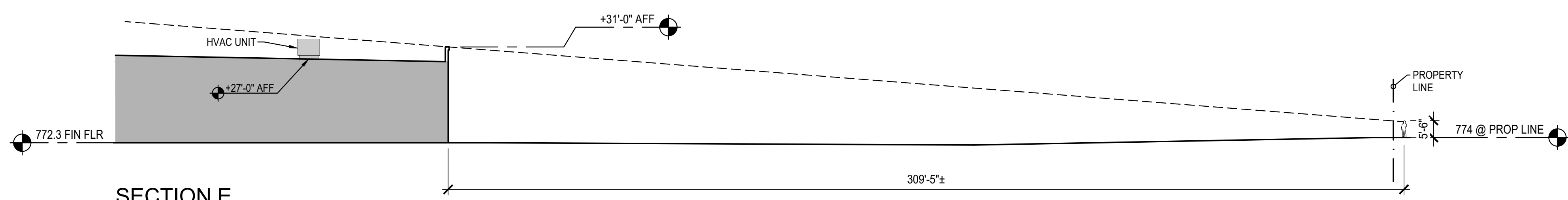
SECTION C

SCALE: NTS



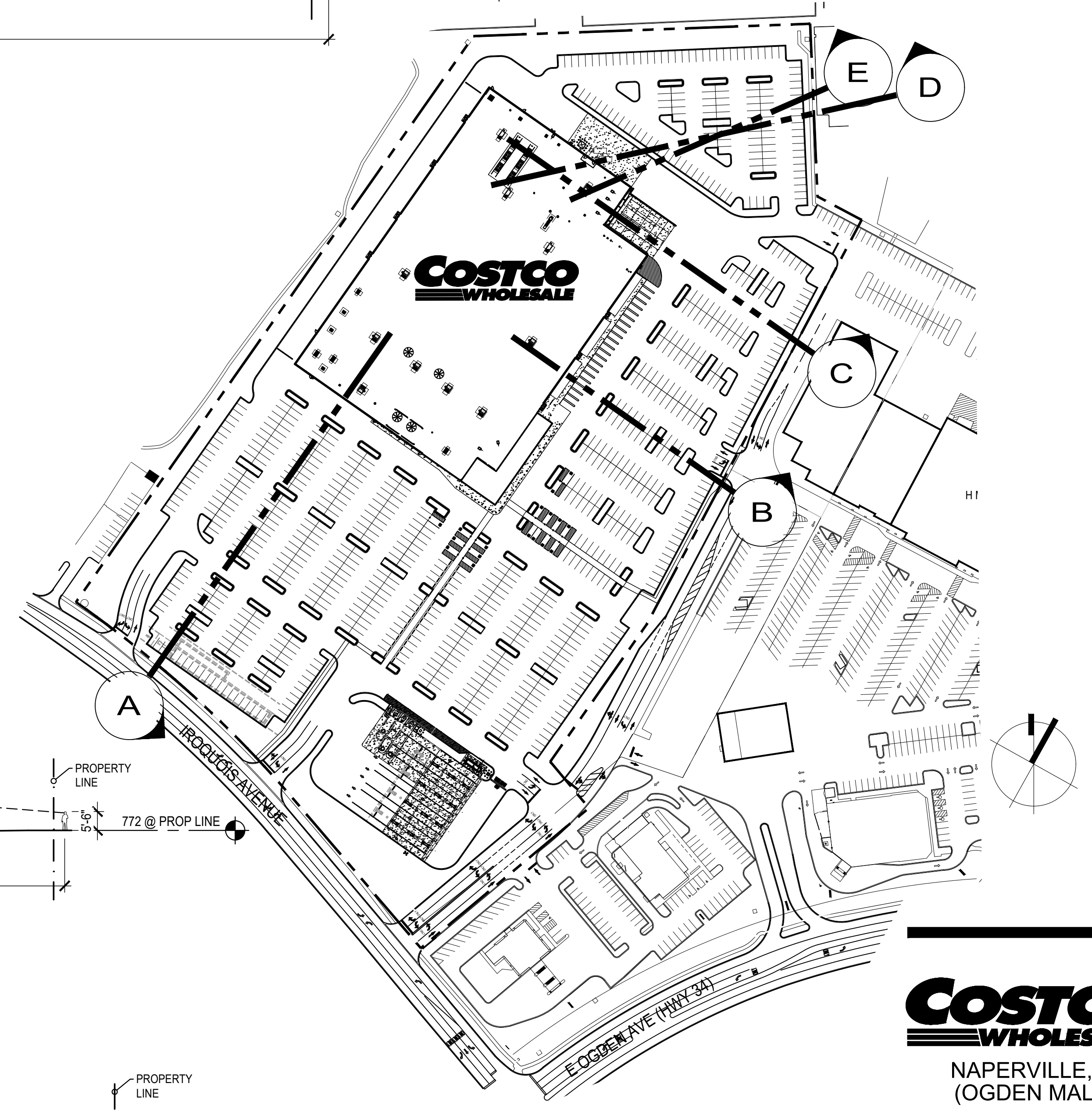
SECTION D

SCALE: NTS



SECTION E

SCALE: NTS



NAPERVILLE, IL
(OGDEN MALL)

1101 Second Ave, Ste 100
Seattle, WA 98101
206 962 6500
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JANUARY 16, 2020

PRELIMINARY
SITE SECTIONS

P13-01

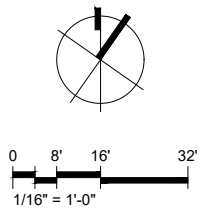
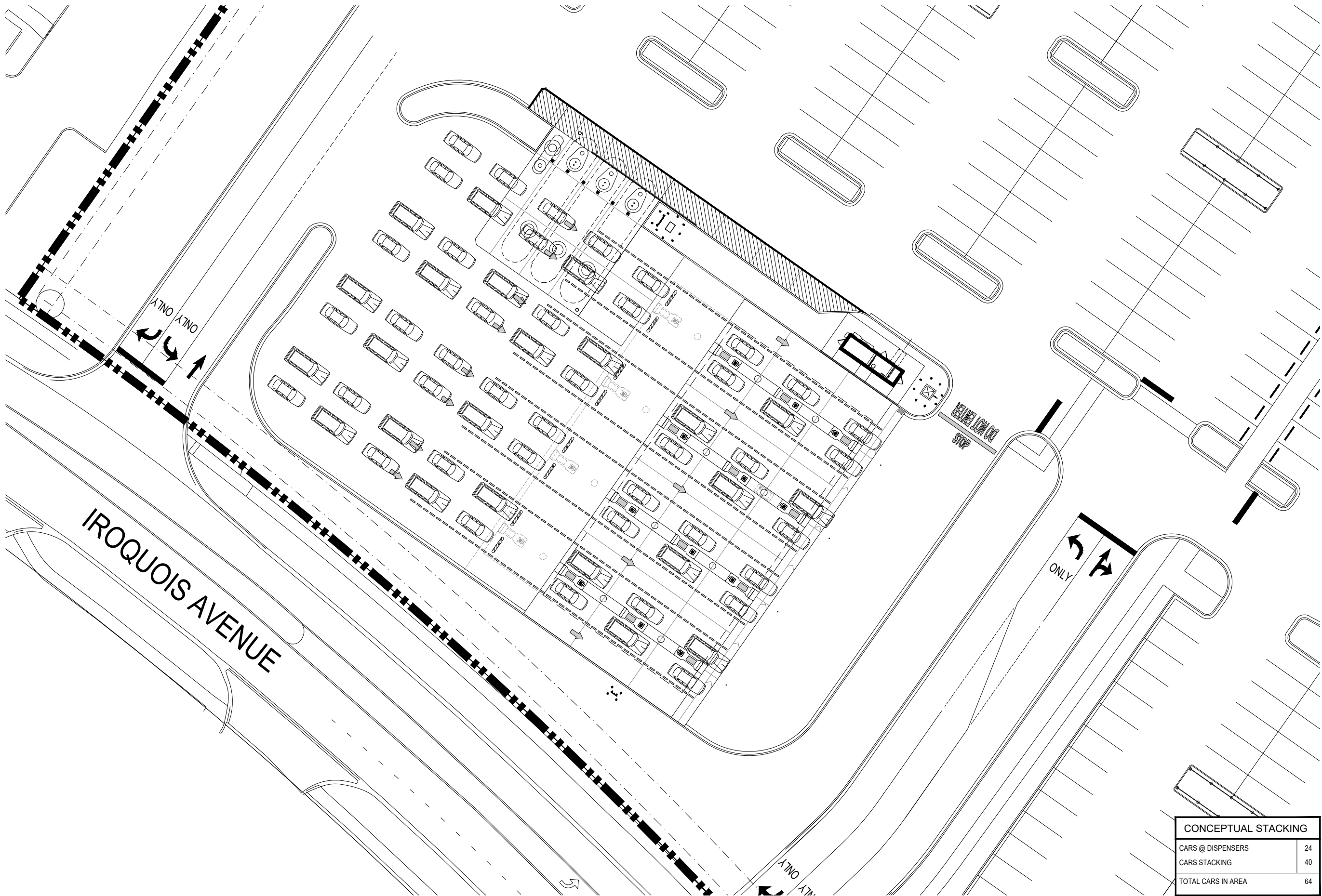
COSTCO WHOLESALE

NAPERVILLE, ILLINOIS

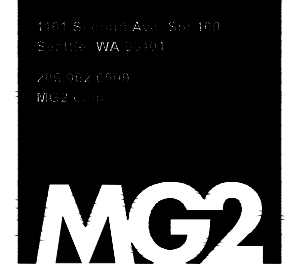
PRELIMINARY SITE SECTIONS

JANUARY 16, 2020

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COSTCO
WHOLESALE
 NAPERVILLE, IL
 (OGDEN MALL)



CONCEPTUAL STACKING	
CARS @ DISPENSERS	24
CARS STACKING	40
TOTAL CARS IN AREA	64

COSTCO WHOLESALE

FUEL STACKING EXHIBIT

NAPERVILLE, ILLINOIS

MARCH 4, 2020

MARCH 4, 2020

STACKING EXHIBIT

DD14-03

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March 3, 2020
V3 Companies

Costco NE Naperville | Pavement Structural Calculations

$$SN = a_1 \times D_1 + a_2 \times D_2 \times m_2 + a_3 \times D_3 \times m_3 \dots$$

where,

SN = Structural Number

a = strength coefficient

D = depth of pavement section

m = drainage coefficient

1 designates surface section

2 designates base section

3 designates subbase section

Asphalt (Light Duty) Pavement

$$\begin{array}{lll} a_1 = 0.40, & a_{2,1} = 0.33, & a_{2,2} = 0.13 \\ D_1 = 2 \text{ inches}, & D_{2,1} = 2 \text{ inches}, & D_{2,2} = 8 \text{ inches} \\ & m_{2,1} = 1.0, & m_{2,2} = 1.0 \end{array}$$

$$SN = 0.40 \times 2 + 0.33 \times 2 \times 1.0 + 0.13 \times 8 \times 1.0$$
$$\mathbf{SN = 2.50}$$

Asphalt (Heavy Duty) Pavement

$$\begin{array}{lll} a_1 = 0.40, & a_{2,1} = 0.33, & a_{2,2} = 0.13 \\ D_1 = 2 \text{ inches}, & D_{2,1} = 5 \text{ inches}, & D_{2,2} = 8 \text{ inches} \\ & m_{2,1} = 1.0, & m_{2,2} = 1.0 \end{array}$$

$$SN = 0.40 \times 2 + 0.33 \times 5 \times 1.0 + 0.13 \times 8 \times 1.0$$
$$\mathbf{SN = 3.49}$$

Concrete Pavement

$$\begin{array}{ll} a_1 = 0.50, & a_2 = 0.13 \\ D_1 = 7 \text{ inches}, & D_2 = 10 \text{ inches} \\ & m_2 = 1.0 \end{array}$$

$$SN = 0.50 \times 7 + 0.13 \times 10 \times 1.0$$
$$\mathbf{SN = 4.80}$$

Concrete Sidewalk

$$\begin{array}{ll} a_1 = 0.50, & a_2 = 0.13 \\ D_1 = 5 \text{ inches}, & D_2 = 4 \text{ inches} \\ & m_2 = 1.0 \end{array}$$

$$SN = 0.50 \times 5 + 0.13 \times 4 \times 1.0$$
$$\mathbf{SN = 3.02}$$

*Strength coefficient values taken from Figure 54-5.O of Illinois Department of Transportation Bureau of Design and Environment Manual