

COSTCO WHOLESALE FUEL FACILITY 13463 WASHINGTON BLVD



LOCATION MAP - SITE PLAN

AREA OF WORK



CULVER CITY, CA

13415 WASHINGTON BLVD. CULVER CITY, CA 90292

COSTCO WHOLESALE CORPORATION

999 LAKE DRIVE ISSAQUAH, WA 98027 T: 425.313.8100 www.costco.com



ENTITLEMENT ISSUE

VICINITY MAP

LEGAL DESCRIPTION

APN: 4236-029-009 AND 4236-029-003

THE LAND REFERRED TO HEREIN IS SITUATED IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOW:

THAT PORTION OF THE RANCHO LA BALLONA, IN THE CITY OF CULVER CITY, DESCRIBED AS FOLLOWS, TO WIT:

BEGINNING AT A POINT IN THE SOUTHERLY LINE OF ZANJA STREET, DISTANT SOUTH 71-3/4" WEST 189.03 FEET FROM STATION 215 OF THE MEANDERS OF THE NORTHERN DITCH, AS SHOWN ON MAP HEREINAFTER REFERRED TO; THENCE SOUTH 23° 15' EAST 747 FEET, MORE OR LESS, TO A POINT IN THE NORTHERLY LINE OF THE COMPTON AND SANTA MONICA ROAD (SO CALLED); THENCE ALONG SAID NORTHERLY LINE ON A COURSE OF ABOUT SOUTH 59° WEST TO ITS INTERSECTION WITH THE WESTERLY LINE OF THE 21.153 ACRE TRACT HEREINAFTER RECITED; THENCE ALONG SAID WESTERLY LINE NORTH 23° 15' WEST 953.10 FEET, MORE OR LESS, TO THE NORTHWEST CORNER OF THE 21.153 ACRE ALLOTMENT OF THE ASCENCION MACHALO IN THE RANCHO LA BALLONA, AS PER MAP RECORDED IN BOOK 3 PAGE 204, ET SEQ. OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY; THENCE ALONG THE NORTHERLY LINE OF THE NORTH 71° 45' EAST 991.08 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

EXCEPT THEREFROM THAT PORTION OF SAID LAND AS CONVEYED TO THE CITY OF CULVER CITY. A MUNICIPAL CORPORATION BY THE CERTAIN GRANT DEED RECORDED JANUARY 11. 1956 AS INSTRUMENT NO. 2738, IN BOOK 50016, PAGE 370, OFFICIAL RECORDS AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

A PORTION OF ASCENCION MACHADO 21.15 ACRE ALLOTMENT, AS PER MAP RECORDED IN BOOK 3, PAGES 204 TO 209 OF MISCELLANEOUS RECORDS OF THE COUNTY OF LOS ANGELES, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE SOUTHERLY LINE OF ZANJA STREET (43 FEET WIDE) WITH THE WESTERLY LINE OF GLENCOE AVENUE (60 FEET WIDE) THENCE SOUTHEASTERLY 10.17 FEET ALONG SAID LINE; THENCE SOUTHWESTERLY ALONG A LINE PARALLEL TO THE SOUTHERLY LINE OF SAID ZANJA STREET AND 10.00 FEET DISTANT AT RIGHT ANGLES FROM SAID LINE TO THE INTERSECTION WITH THE EASTERLY LINE OF WALNUT AVENUE (40 FEET WIDE); THENCE NORTHWESTERLY ALONG THE EASTERLY LINE OF WALNUT AVENUE TO THE INTERSECTION WITH THE SOUTHERLY LINE OF ZANJA STREET (43 FEET WIDE); THENCE NORTHEASTERLY ALONG THE SOUTHERLY LINE OF ZANJA STREET TO THE POINT OF BEGINNING.

SCOPE OF WORK

INDEX OF DRAWINGS

CONCEPT SITE PLAN OVERLAY

SITE DETAILS **WORK AREA LIMITS**

CONCEPT ELEVATIONS CONCEPT RENDERINGS

DEMOLITION PLAN CONCEPT GRADING PLAN CONCEPT GRADING PLAN

SHADE PLAN LANDSCAPE IMAGERY IRRIGATION PLAN

LANDSCAPE DEMOLITION PLAN

C4.00

THE FUELING FACILITY INCLUDES 15 ISLANDS WITH ONE DOUBLE SIDED FUEL DISPENSER EACH, ALLOWING FOR 30 AUTOMOBILE FUELING POSITIONS. THE FACILITY WOULD BE COVERED BY A 17'-6" HIGH CANOPY WITH COLOR AND SIGNAGE TO COORDINATE WITH THE MAIN WAREHOUSE.

THE COMPUTERIZED CONTROLLER, WHICH RUNS THE PAYMENT, PUMPING, AND MONITORING SYSTEMS, IS HOUSED BY A EIGHT FOOT SIX INCH (8'-6") BY TWENTY SIX FOOT TEN INCH (26'-10") OWNER SUPPLIED STEEL UNIT PAINTED TO COORDINATE WITH THE MAIN WAREHOUSE. FUEL AND FUEL ADDITIVE WILL BE STORED IN 4 DOUBLE WALLED, FIBERGLASS UNDERGROUND STORAGE TANKS.

THE CONTROL / MONITORING SYSTEM TO BE INSTALLED INCLUDES AN ALARM TIED INTO AN OWNER CONTRACTED 24 HOUR MONITORING SERVICE COMPANY. THE CONTINUOUS LEAK DETECTION SYSTEM WILL AUTOMATICALLY CHECK FOR FLUID LEAKS AND AUTOMATICALLY WILL STOP THE FLOW OF FUEL IN THE EVENT OF AN ALARM CONDITION.

DECOMMISSION OF THE EXISTING FUEL FACILITY INCLUDING REMOVING UNDERGROUND FUEL STORAGE TANKS, CANOPY, CONTROLLER, DISPENSER, AND ASSOCIATED EQUIPMENT.

DEMOLITION OF THE EXISTING PAD 'E' AND PAD 'F' BUILDINGS, PARKING STALLS, CONCRETE CURBS, ASPHALT AND ASSOCIATED LANDSCAPING.

CODE ANALYSIS

GOVERNING BUILDING CODE:

2019 CALIFORNIA MECHANICAL CODE 2019 CALIFORNIA ELECTRICAL CODE 2019 CALIFORNIA PLUMBING CODE M (MERCANTILE)

OCCUPANCY GROUP: CONSTRUCTION TYPE: FUEL CANOPY AREA: **FUEL CANOPY HEIGHT:**

11,822 SQ FT 17'-6" TO TOP OF CANOPY

REQUESTED APPLICATION: CONDITIONAL USE PERMIT MODIFICATION

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TERRY W. ODLE. ARCHITECT

08.11.22 PERMIT ISSUE

08.30.22 BID ISSUE 07.03.23 ENTITLEMENT RESUBMITTAL

02.07.24 ENTITLEMENT RESUBMITTAL

PM: TERRY ODLE DRAWN: GM

94-0630-37

TITLE SHEET

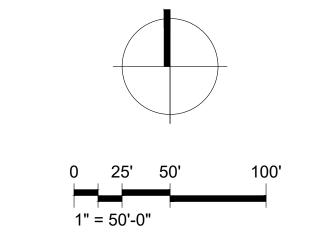
TSG-′

OVERALL SITE PLAN

AREA OF WORK

AREA OF WORK







CULVER CITY, CA #479

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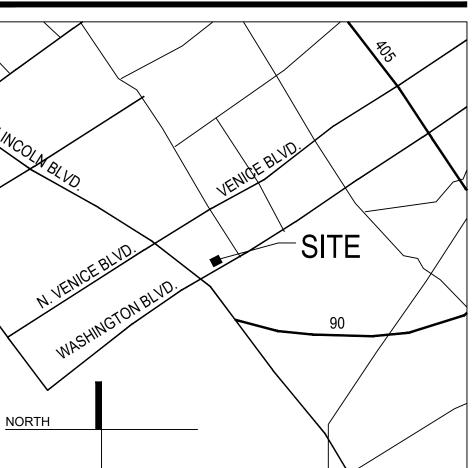


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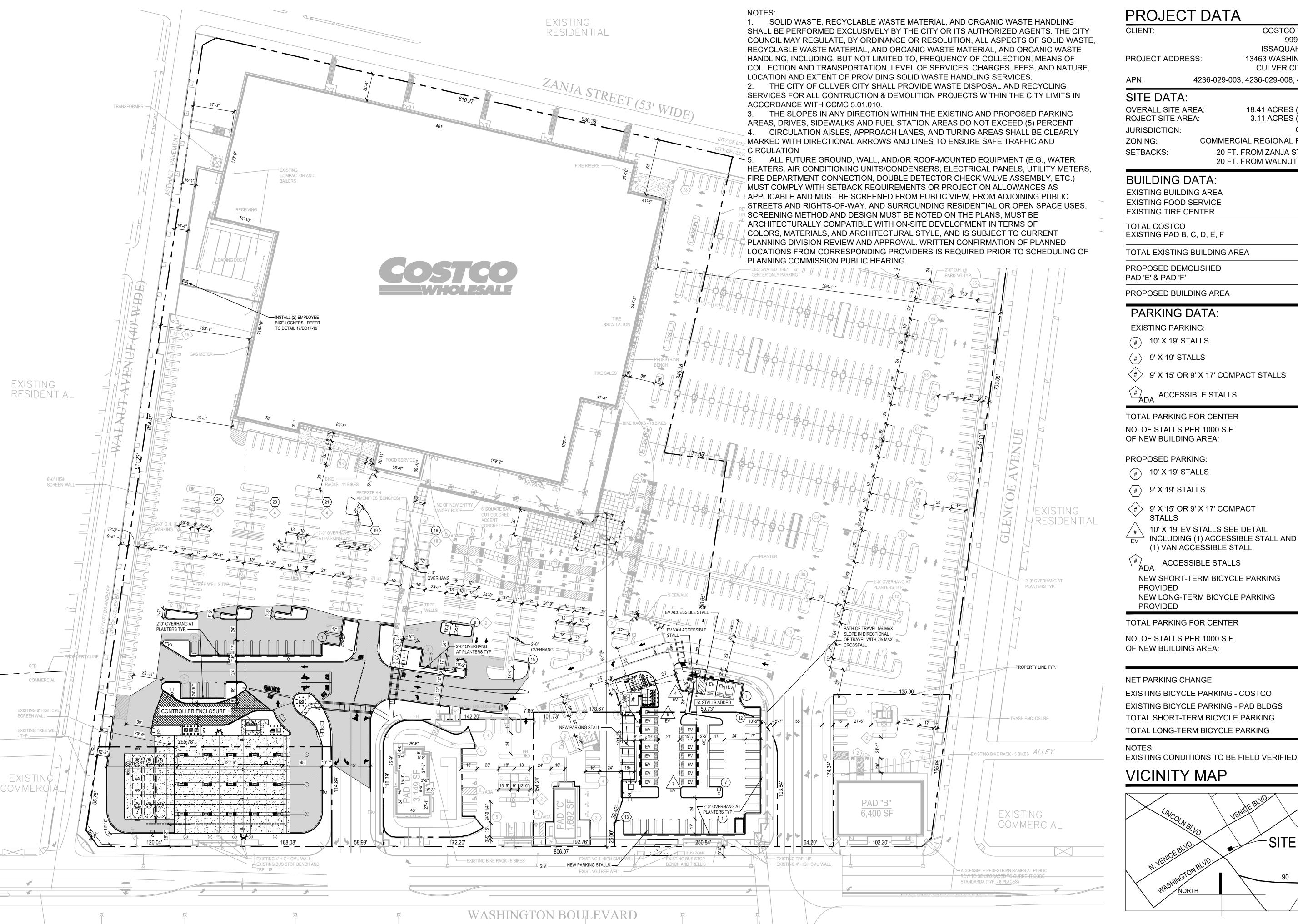
CONCEPT SITE PLAN OVERLAY

DD10-19

VICINITY MAP



COSTCO WHOLESALE CONCEPT SITE PLAN OVERLAY



PROJECT DATA

COSTCO WHOLESALE

999 LAKE DRIVE ISSAQUAH, WA 98027 13463 WASHINGTON BLVD.

CULVER CITY, CA 90292 4236-029-003, 4236-029-008, 4236-029-009

SITE DATA:

OVERALL SITE AREA: 18.41 ACRES (801,881 S.F.) **ROJECT SITE AREA:** 3.11 ACRES (135,472 S.F.) JURISDICTION: **CULVER CITY**

COMMERCIAL REGIONAL RETAIL (CRR) ZONING: SETBACKS: 20 FT. FROM ZANJA ST (NORTH) 20 FT. FROM WALNUT AVE. (WEST)

BUILDING DATA:

EXISTING BUILDING AREA 165,924 S.F. 1,829 S.F. **EXISTING FOOD SERVICE** 5,422 S.F. **EXISTING TIRE CENTER** 173,175 S.F. TOTAL COSTCO EXISTING PAD B, C, D, E, F 19,721 S.F. 192,896 S.F. TOTAL EXISTING BUILDING AREA

PROPOSED DEMOLISHED 8,480 S.F. PAD 'E' & PAD 'F'

PROPOSED BUILDING AREA 184,416 S.F.

PARKING DATA:

EXISTING PARKING: (#) 10' X 19' STALLS 393 STALLS (#) 9' X 19' STALLS 449 STALLS

(#) 9' X 15' OR 9' X 17' COMPACT STALLS 91 STALLS ADA ACCESSIBLE STALLS 30 STALLS

TOTAL PARKING FOR CENTER 963 STALLS NO. OF STALLS PER 1000 S.F. OF NEW BUILDING AREA: 5.22 STALLS

PROPOSED PARKING:

(#) 10' X 19' STALLS 416 STALLS

⟨#⟩ 9' X 19' STALLS 364 STALLS ⟨#⟩ 9' X 15' OR 9' X 17' COMPACT 80 STALLS 8.8%

STALLS 10' X 19' EV STALLS SEE DETAIL 20 STALLS 2.2% INCLUDING (1) ACCESSIBLE STALL AND

27 STALLS 2.9%

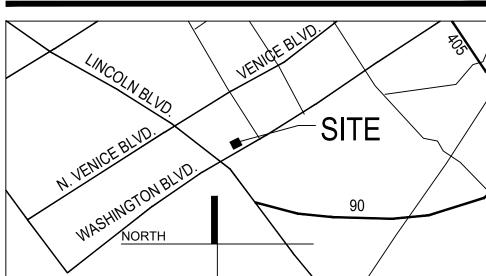
6 BIKES 11.11% NEW LONG-TERM BICYCLE PARKING 2 BIKE LOCKERS

907 STALLS TOTAL PARKING FOR CENTER NO. OF STALLS PER 1000 S.F.

4.92 STALLS OF NEW BUILDING AREA: -55 STALLS **NET PARKING CHANGE**

EXISTING BICYCLE PARKING - COSTCO 29 STALLS **EXISTING BICYCLE PARKING - PAD BLDGS** 10 STALLS 45 STALLS TOTAL SHORT-TERM BICYCLE PARKING TOTAL LONG-TERM BICYCLE PARKING 2 STALLS

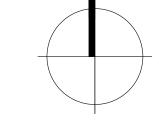
VICINITY MAP





COSTCO WHOLESALE

CONCEPT SITE PLAN



CULVER CITY, CA

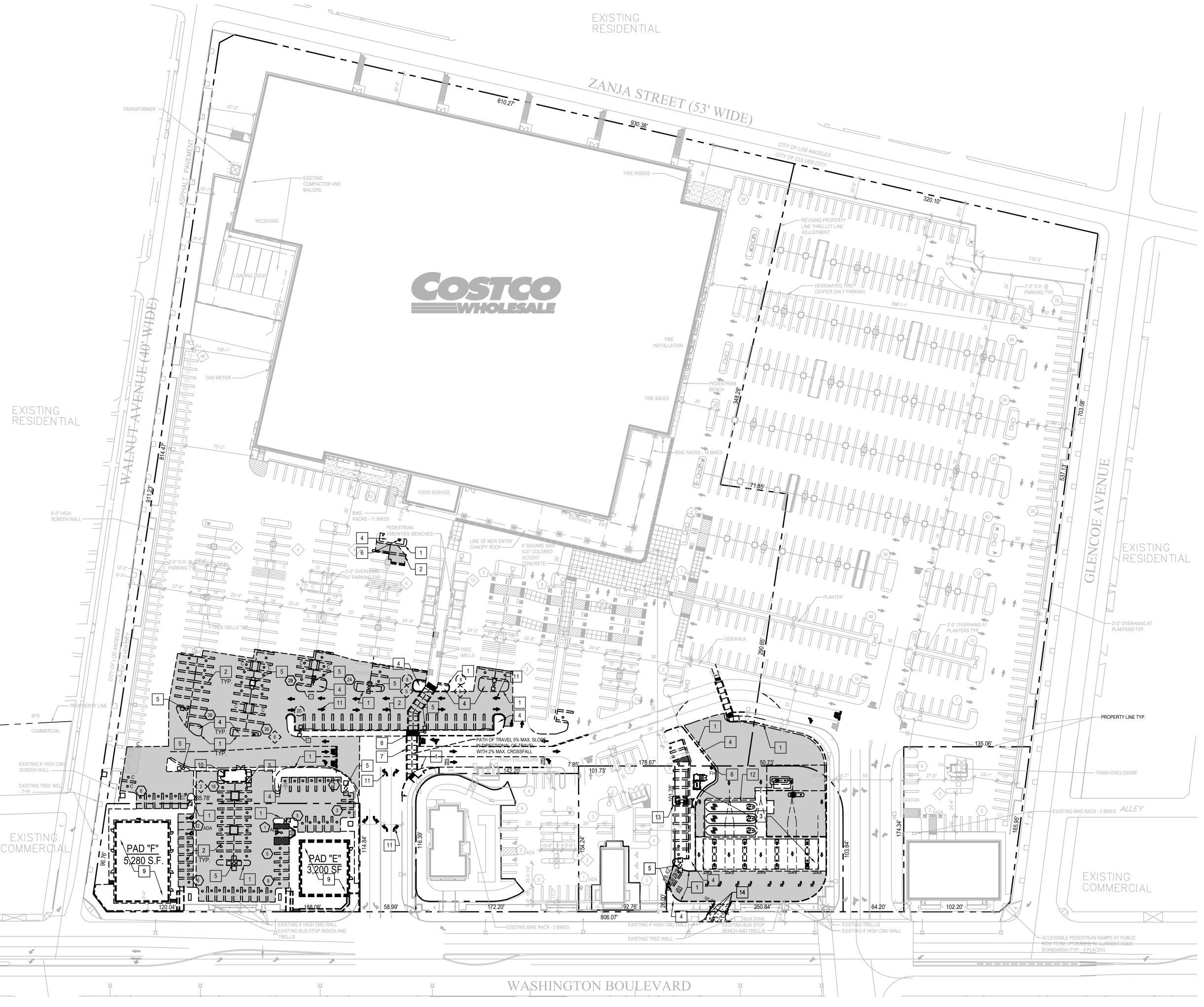
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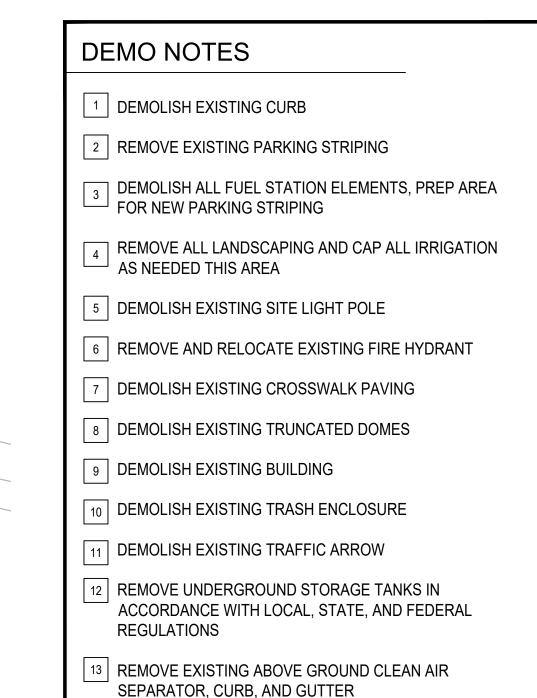


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CONCEPT SITE PLAN

DD11-19



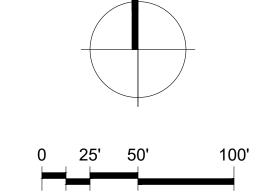


ENVIRONMENTAL PROGRAMS AND OPERATIONS NOTES

14 DEMOLISH EXISTING EXIT DRIVEWAY AND SLOPED

SIDEWALKS

- SOLID WASTE, RECYCLABLE WASTE MATERIAL, AND ORGANIC WASTE HANDLING SHALL BE PERFORMED **EXCLUSIVELY BY THE CITY OR ITS AUTHORIZED** AGENTS. THE CITY COUNCIL MAY REGULATE, BY ORDINANCE OR RESOLUTION, ALL ASPECTS OF SOLID WASTE, RECYCLABLE WASTE MATERIAL, AND ORGANIC WASTE HANDLING, INCLUDING, BUT NOT LIMITED TO, FREQUENCY OF COLLECTION, MEANS OF COLLECTION AND TRANSPORTATION, LEVEL OF SERVICES, CHARGES, FEES, AND NATURE LOCATION AND EXTENT OF PROVIDING SOLID





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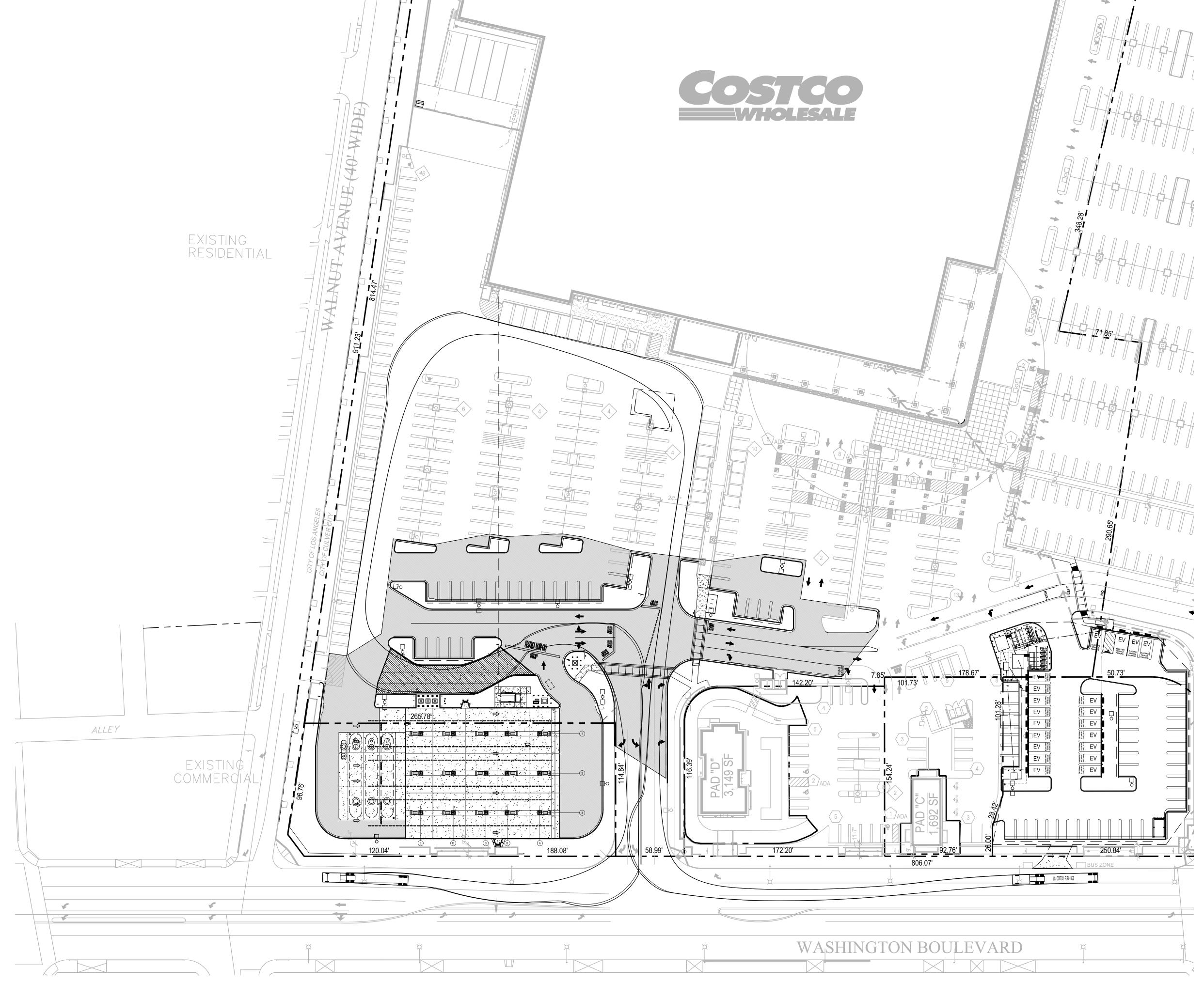
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DEMOLITION SITE PLAN

DD12-19

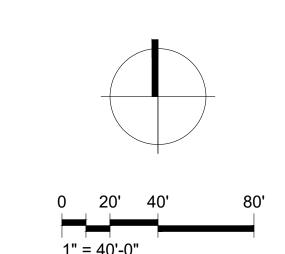
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DEMOLITION SITE PLAN





FUEL TRUCK ROUTE





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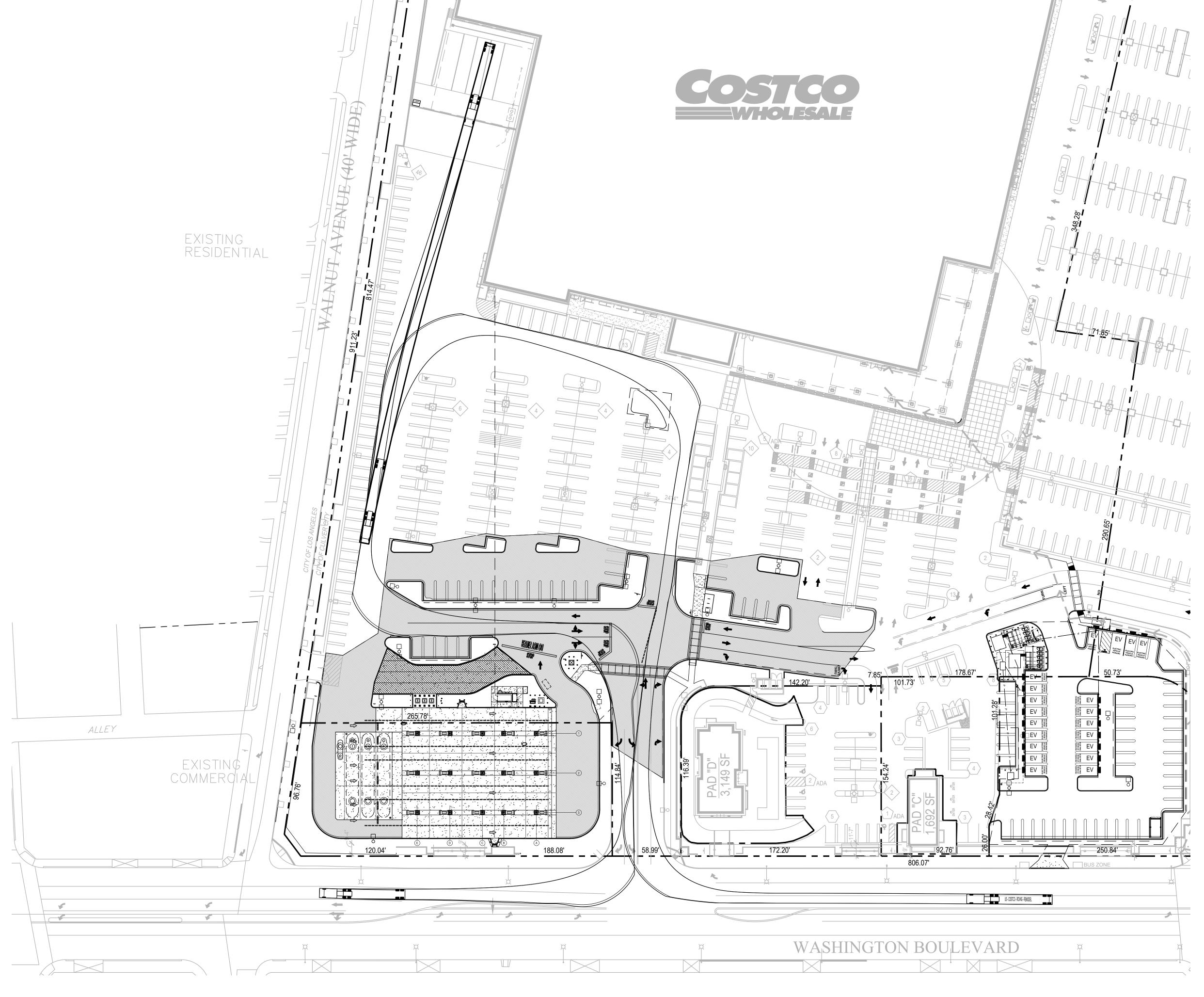
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FUEL TRUCK ROUTE

DD13-19A

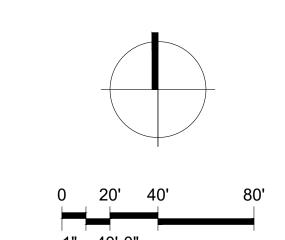
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RECEIVING TRUCK ROUTE





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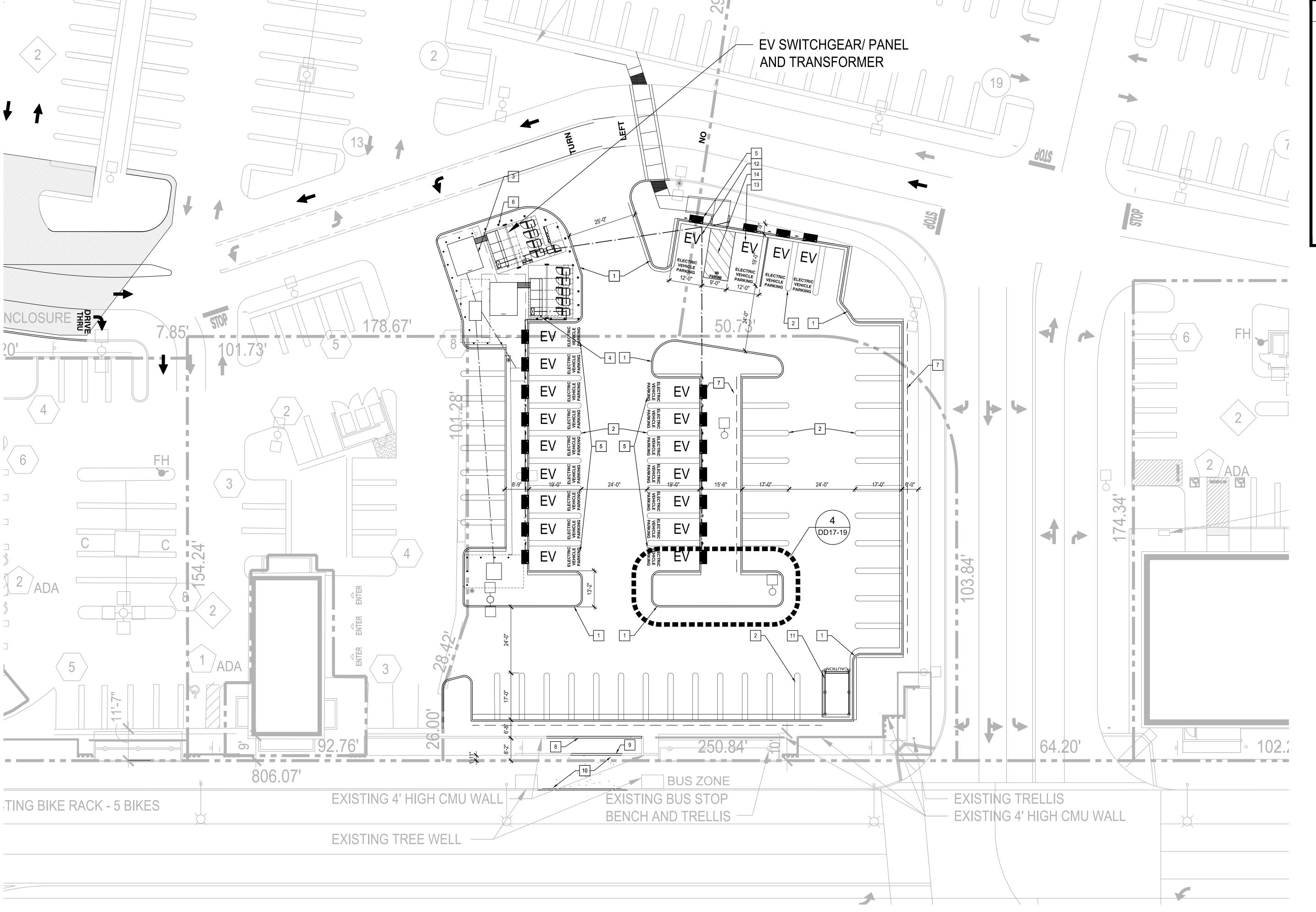
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RECEIVING TRUCK ROUTE

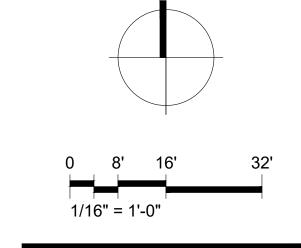
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ENLARGED CONCEPT PLAN

KEYNOTES

- 1 CONCRETE CURB, 6" WIDE BY 6" HIGH
- PAINTED PARKING STRIPING
- 3 EV CHARGERS TRANSFORMER
- 4 EV CHARGERS MAIN SWITCHGEAR, ELECTRICAL PANEL AND
- (20) LEVEL (20) EV CHARGER STATIONS INCLUDING (2) ACCESSIBLE STALLS -
- STEEL BOLLARDS TYPICAL
- 6 STEEL BOLLARDS T
- 2- FOOT OVERHANGS
- NEW 4' H. CMU SCREEN WALL TO MATCH EXISTING
- NEW 1'-8" H. CMU PLANTER WALL TO MATCH EXISTING
- CONCRETE SIDEWALK TO MATCH EXISTING
- 11 CART CORRAL REFER TO DETAIL 11/DD17-19
- 12 ACCESSIBLE EV PARKING STALL AND CHARGER
- 3 VAN ACCESSIBLE PARKING STALL AND CHARGER
- ACCESSIBLE PARKING STRIPING UNLOADING AREA REFER TO DETAIL 6/DD17-19





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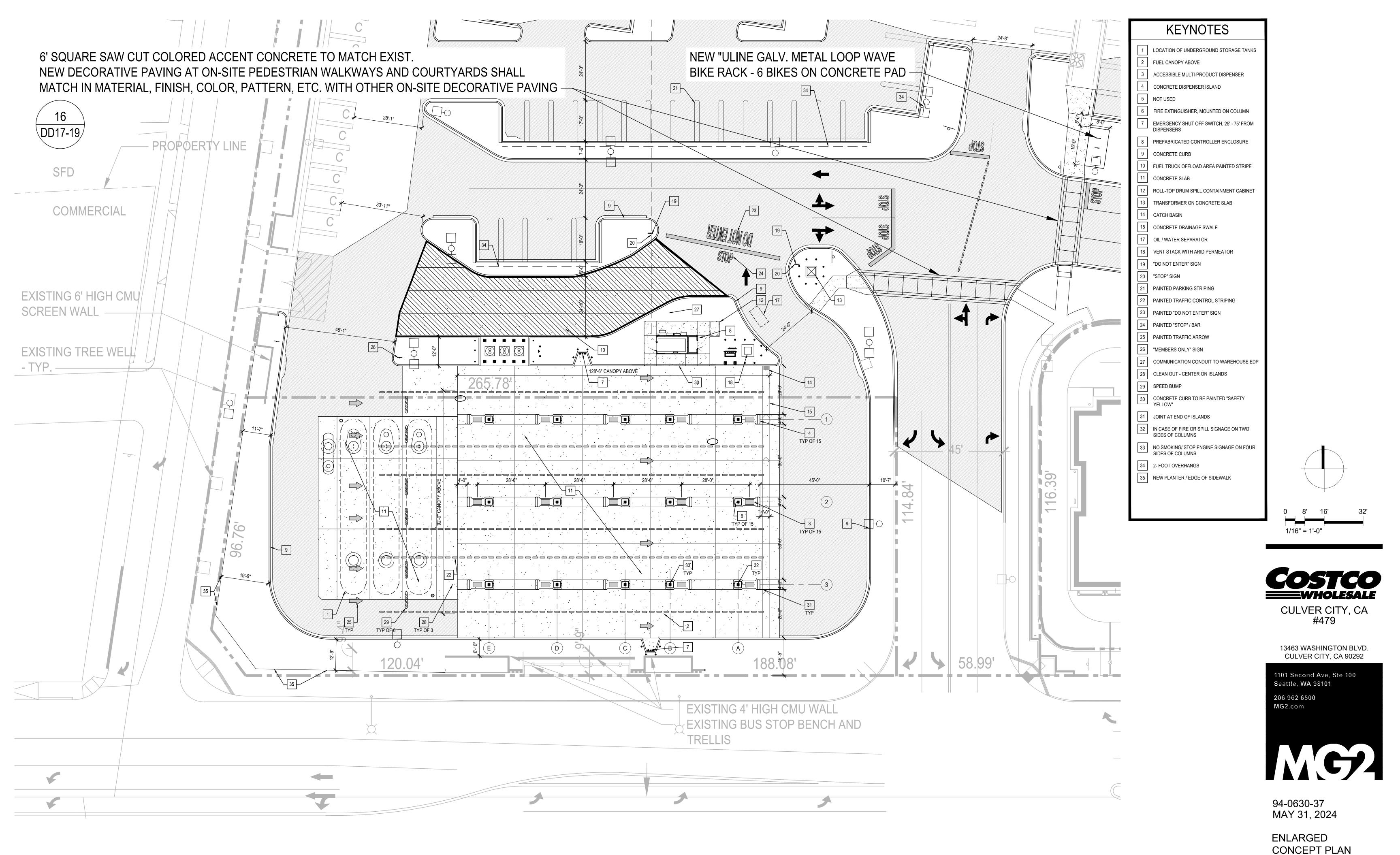


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ENLARGED CONCEPT PLAN

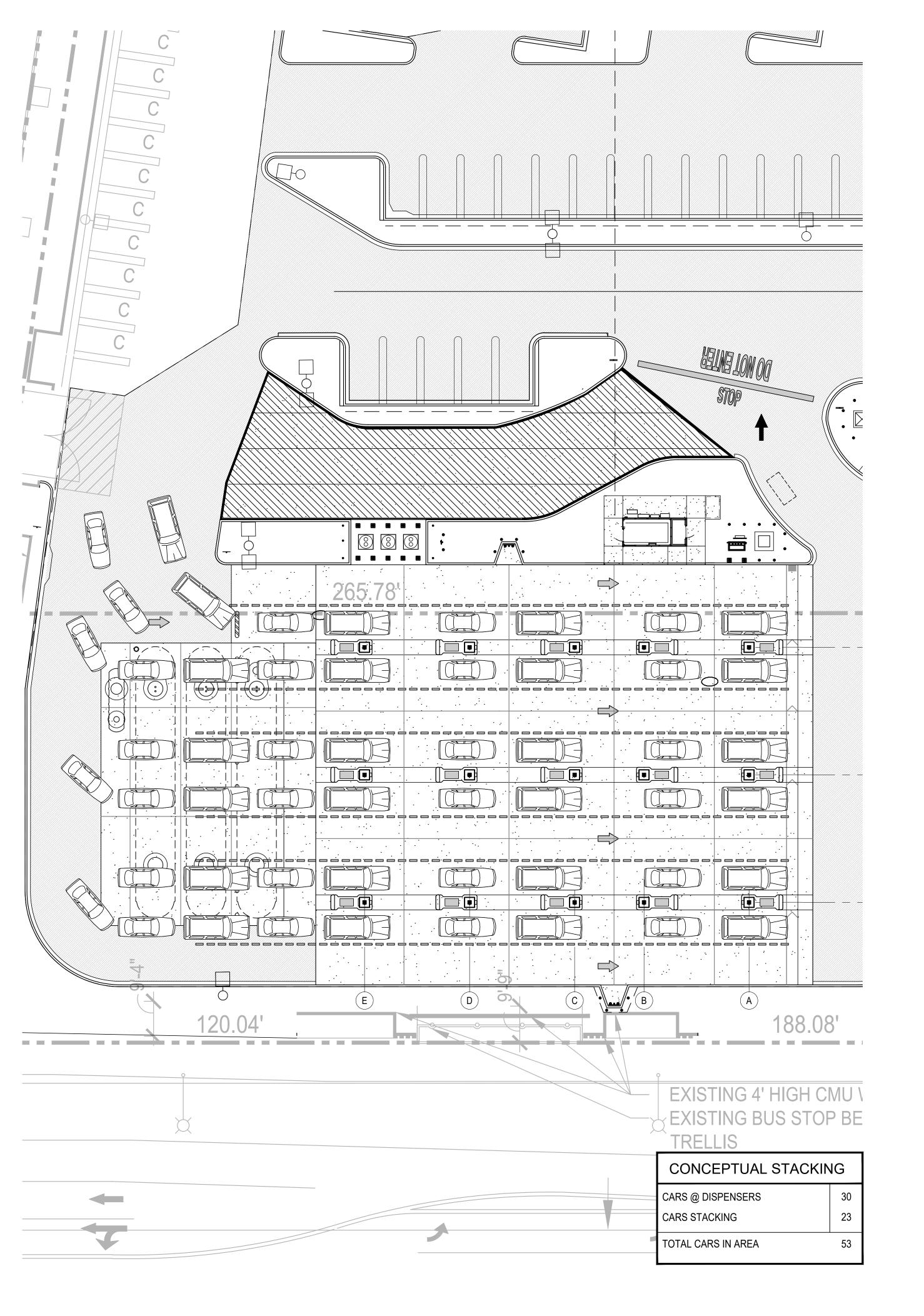
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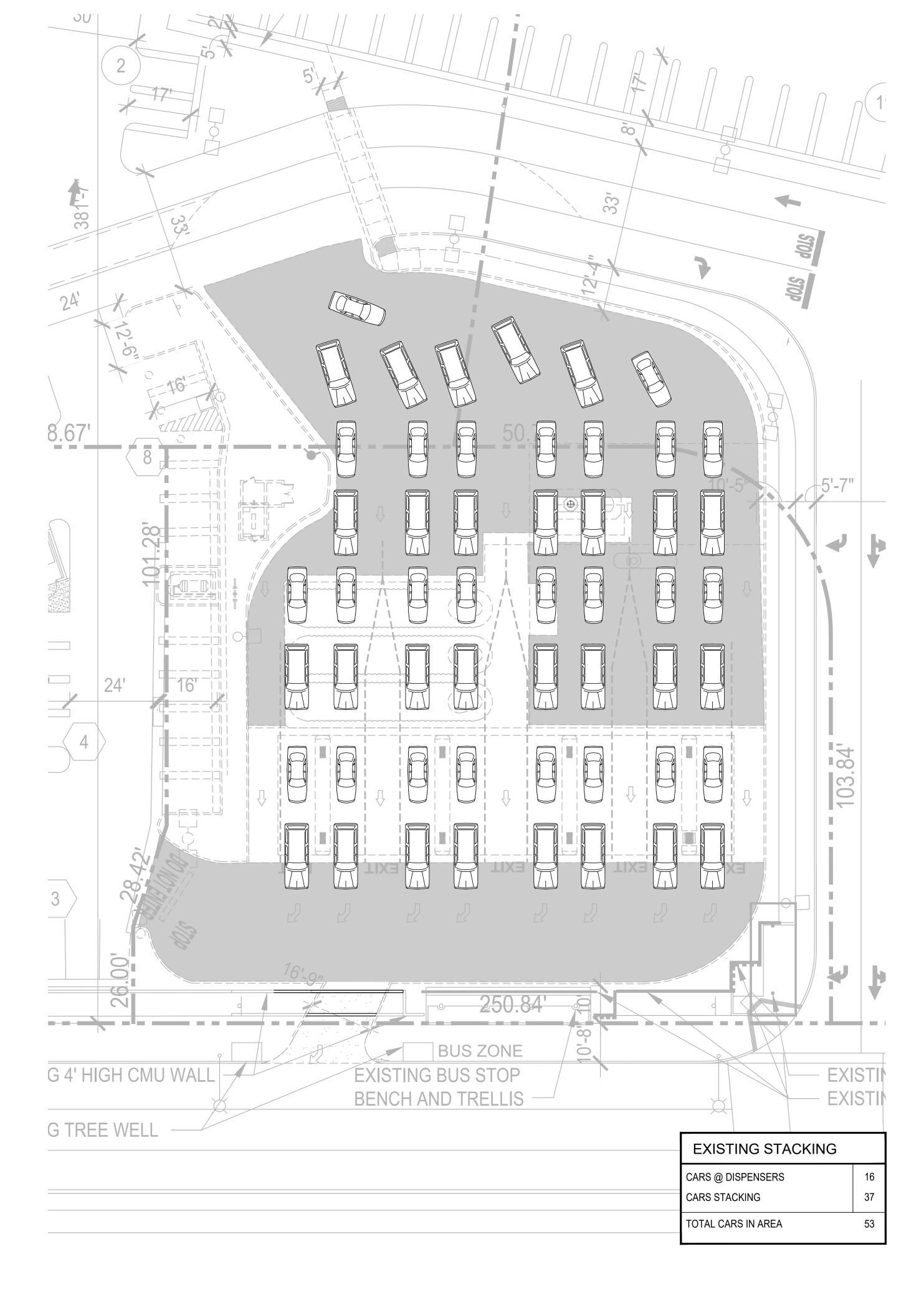
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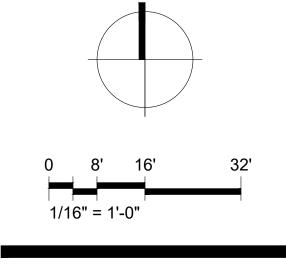
ENLARGED CONCEPT PLAN

DD15-19





STACKING PLAN





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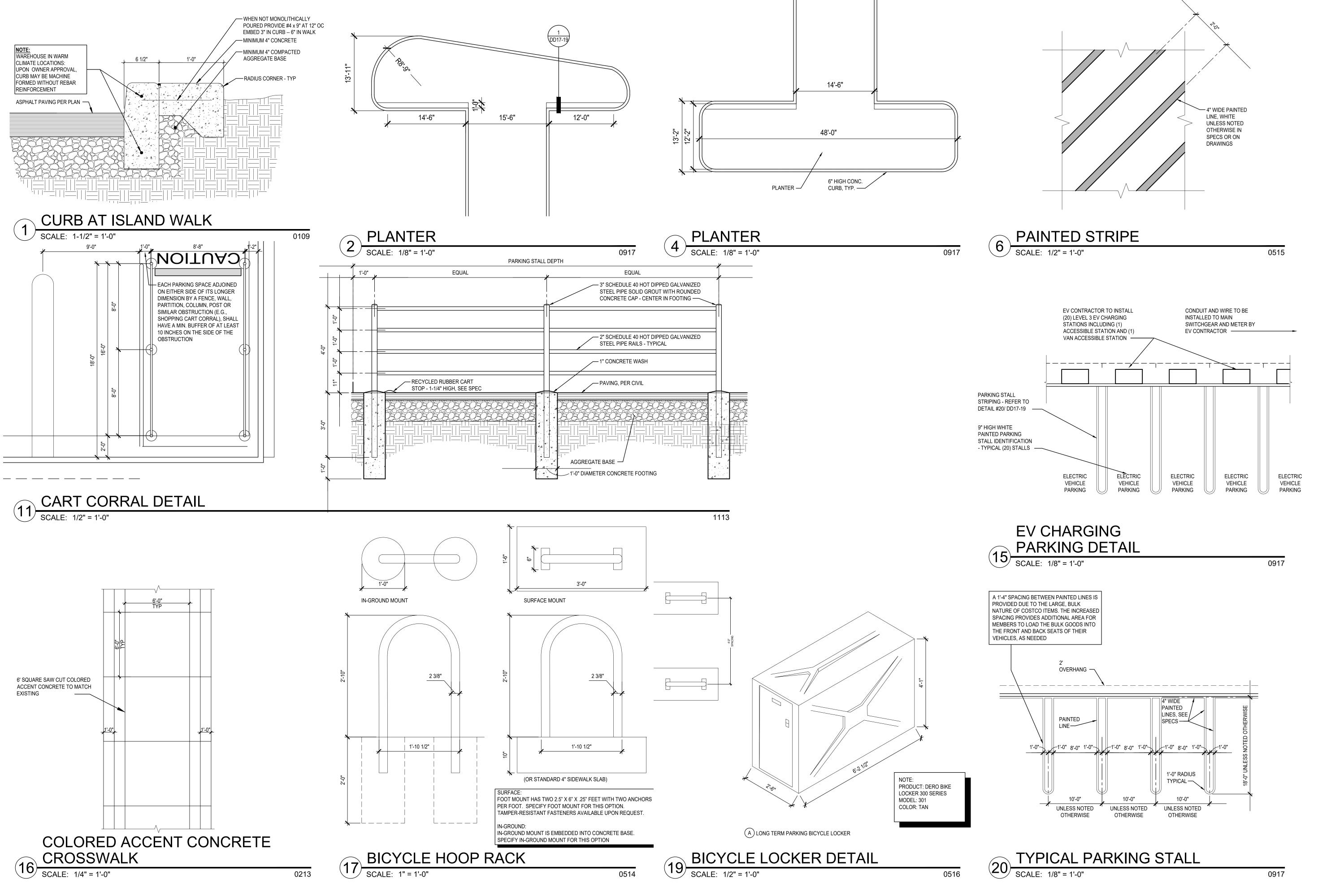


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STACKING PLAN

DD16-19

CULVER CITY, CALIFORNIA



SITE DETAILS

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SITE DETAILS

DD17-19

CULVER CITY, CA

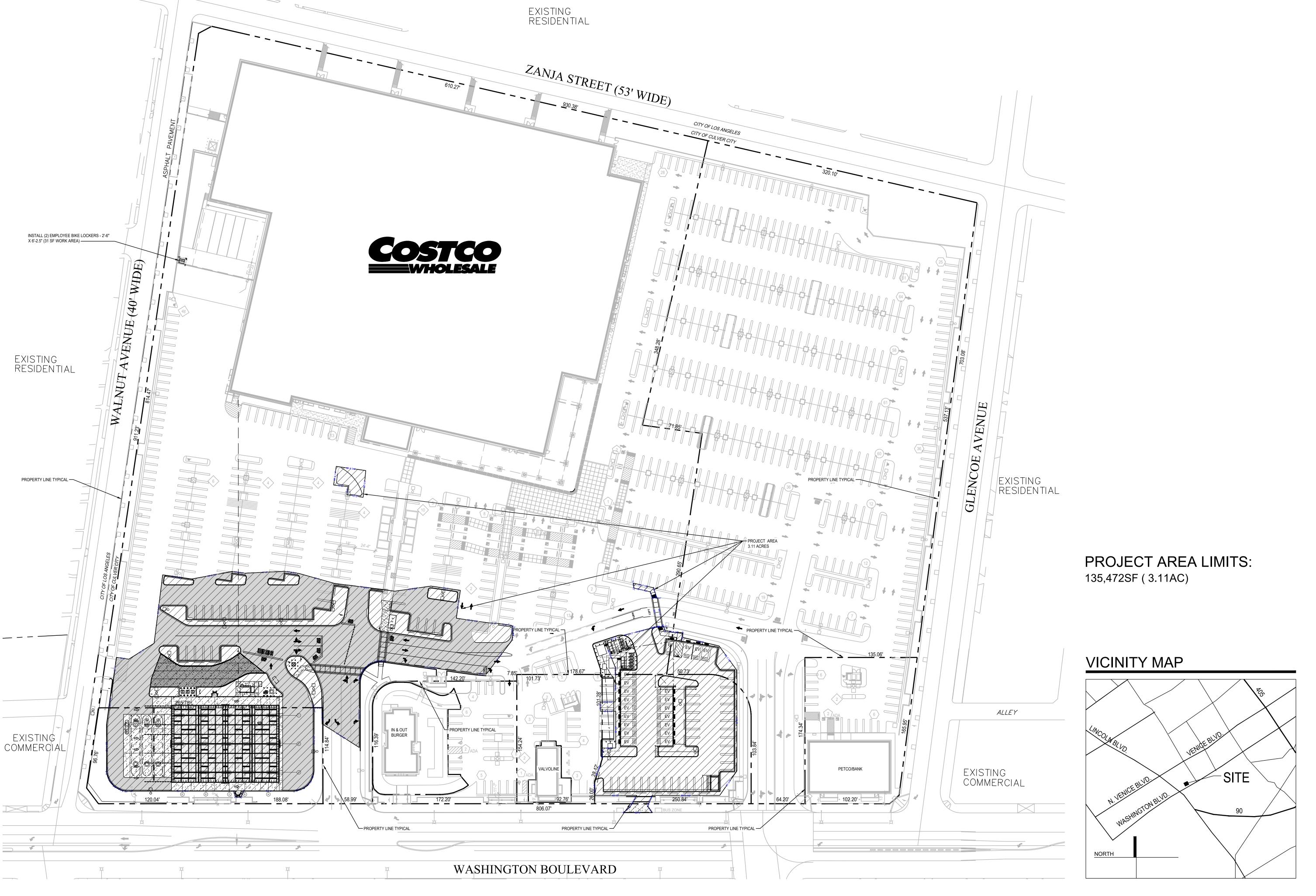
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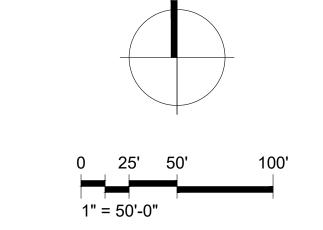
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PROJECT AREA LIMITS





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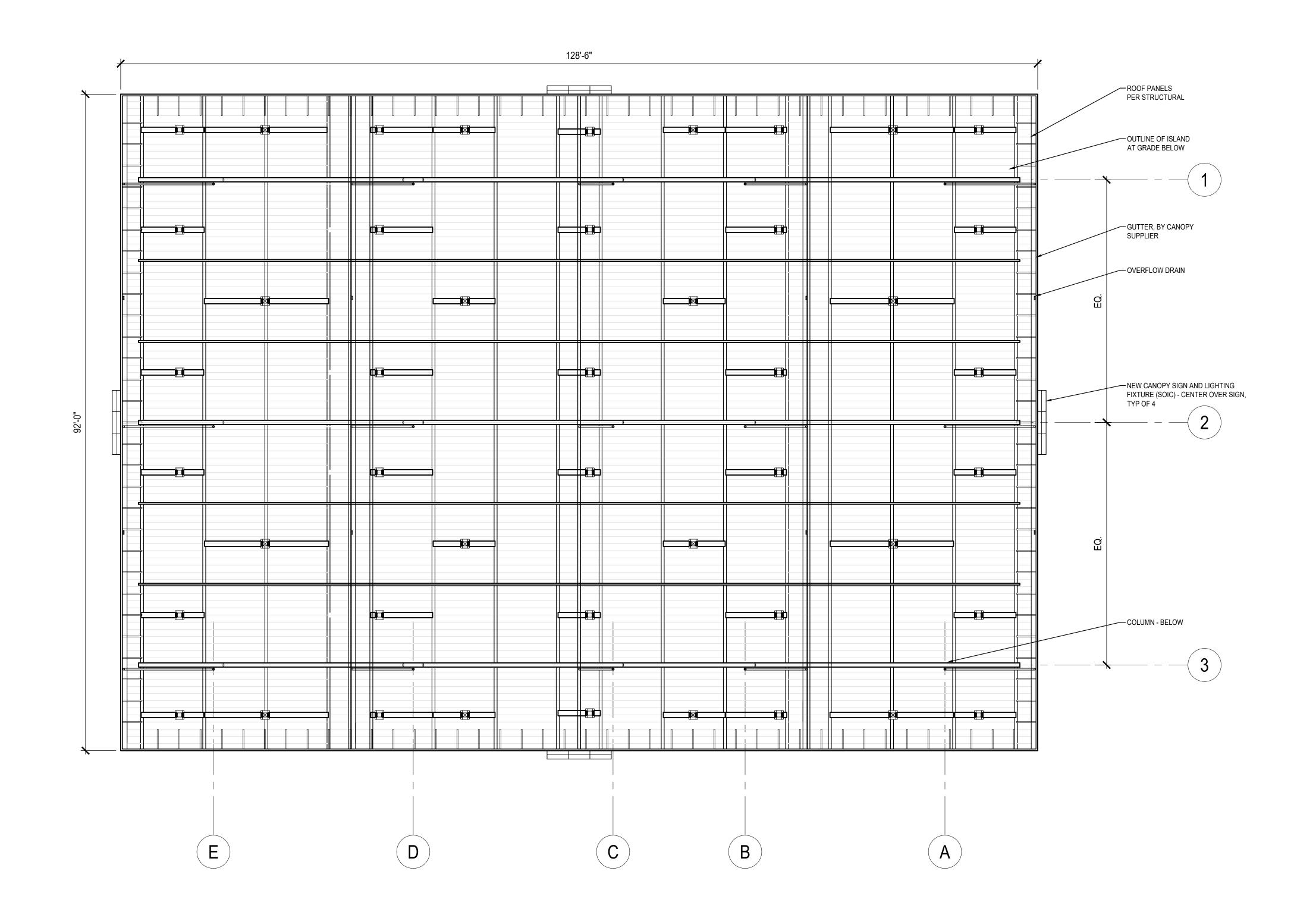
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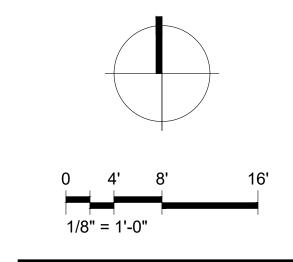


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WORK AREA LIMITS

DD18-19







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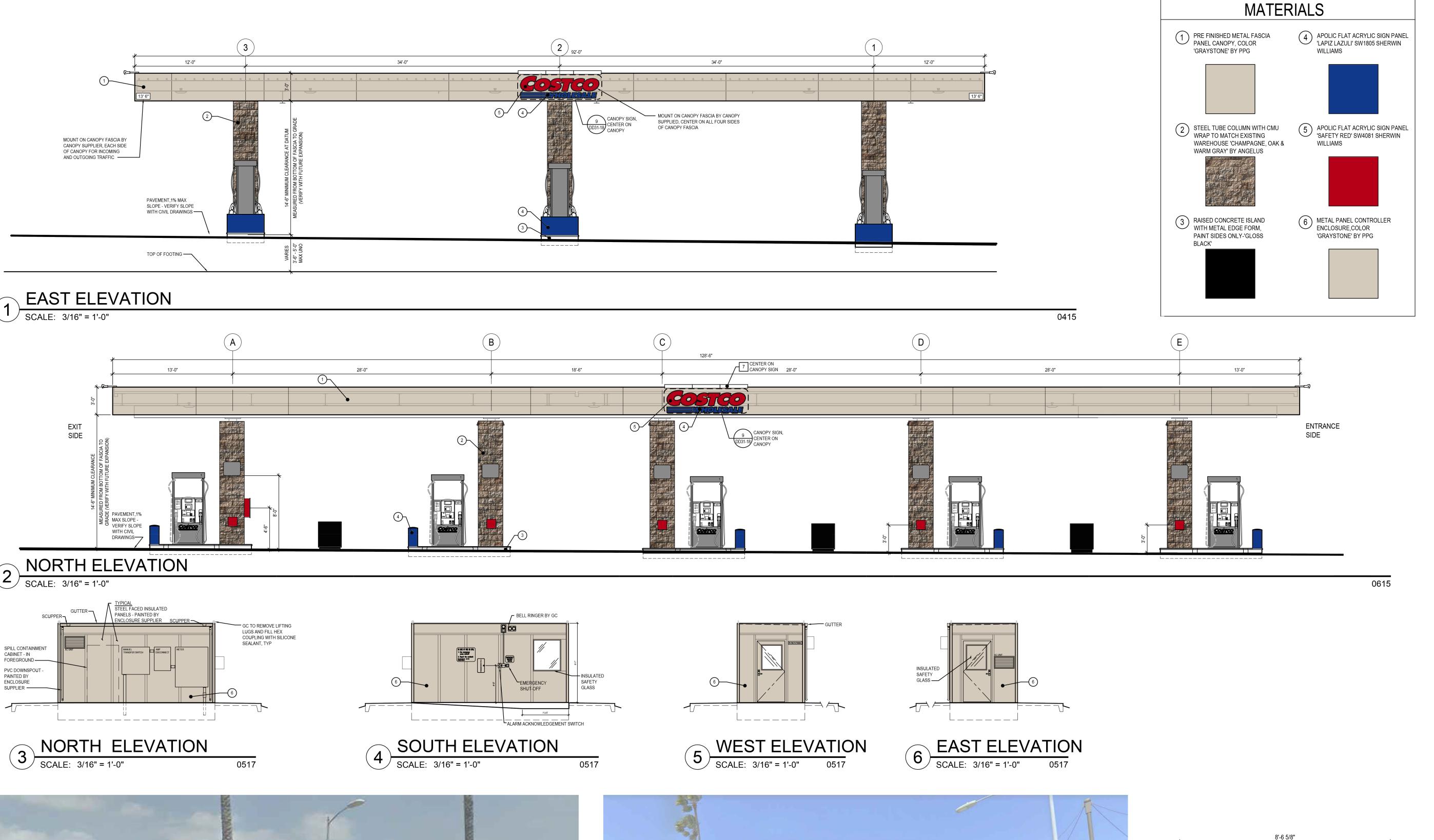
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ROOF PLAN

DD21-19

COSTCO WHOLESALE

ROOF PLAN









9 CANOPY SIGN
SCALE: 1/2" = 1'-0"

COSTCO WHOLESALE

CONCEPT ELEVATIONS

EY PLAN

2
DD31-16

DD31-16

DD31-16

DD31-16

DD31-16



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CONCEPT ELEVATIONS

DD31-19

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CONCEPT RENDERINGS

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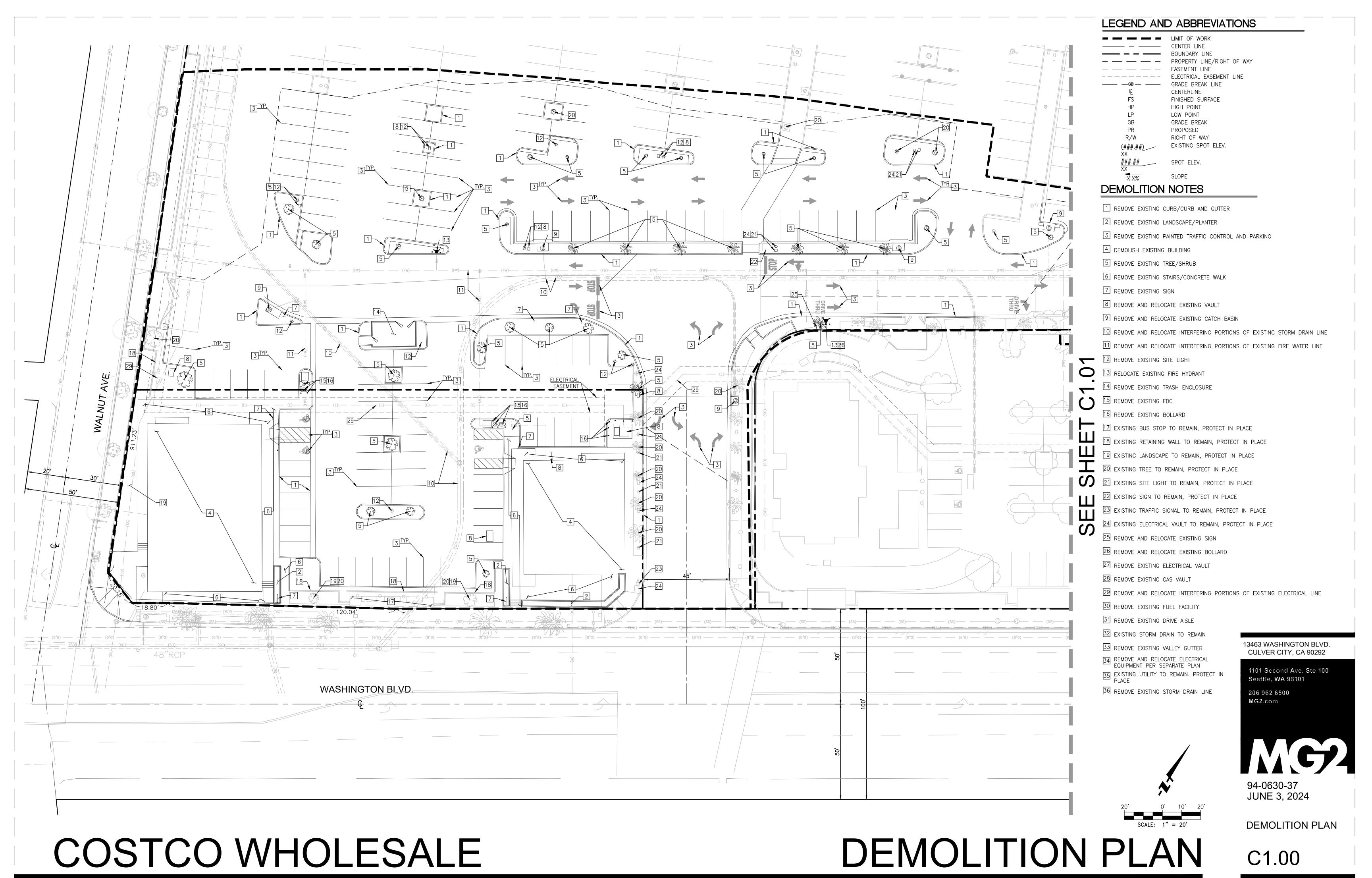
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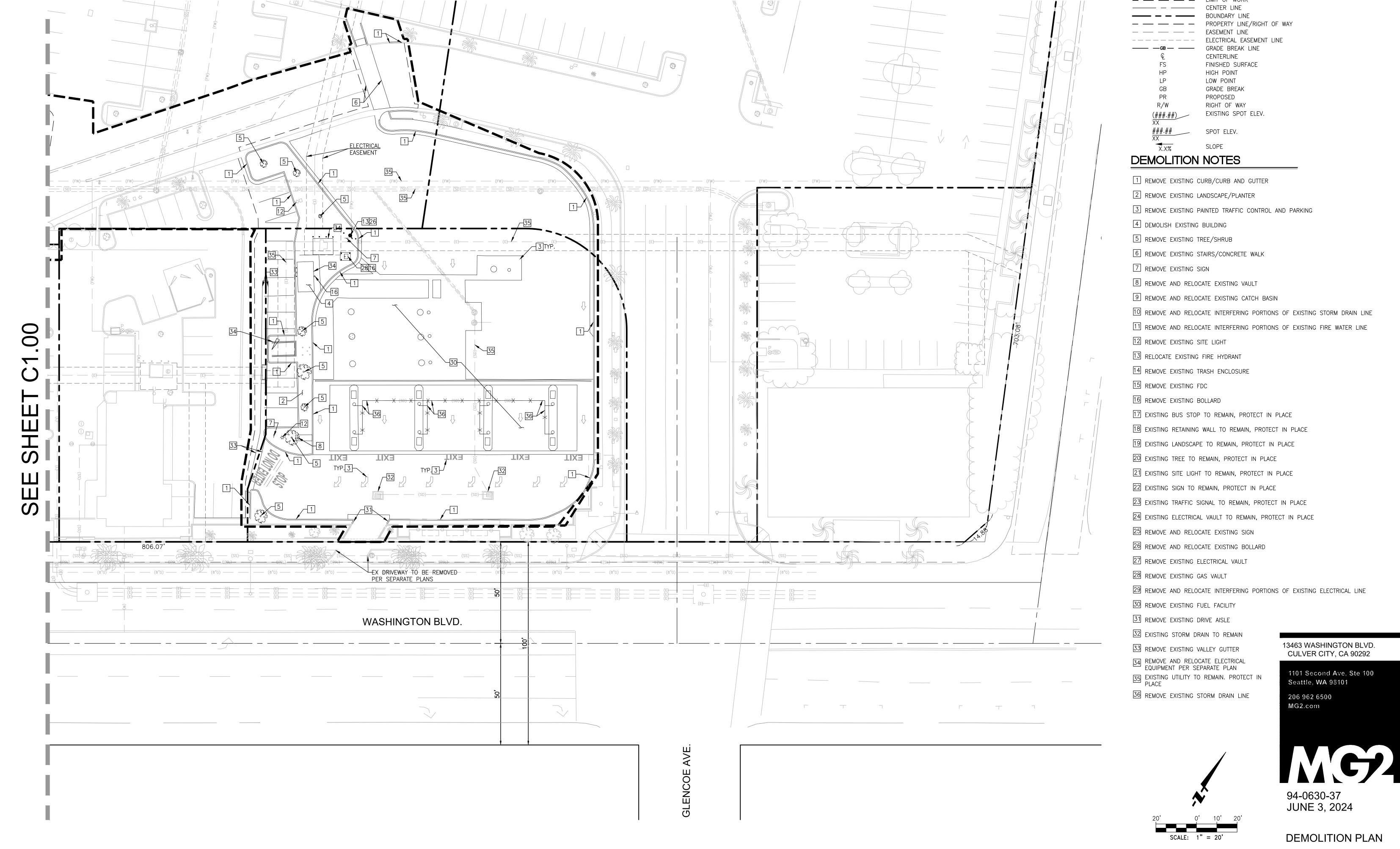
CONCEPT RENDERINGS

DD32-19

CULVER CITY, CA MAY 31, 2024



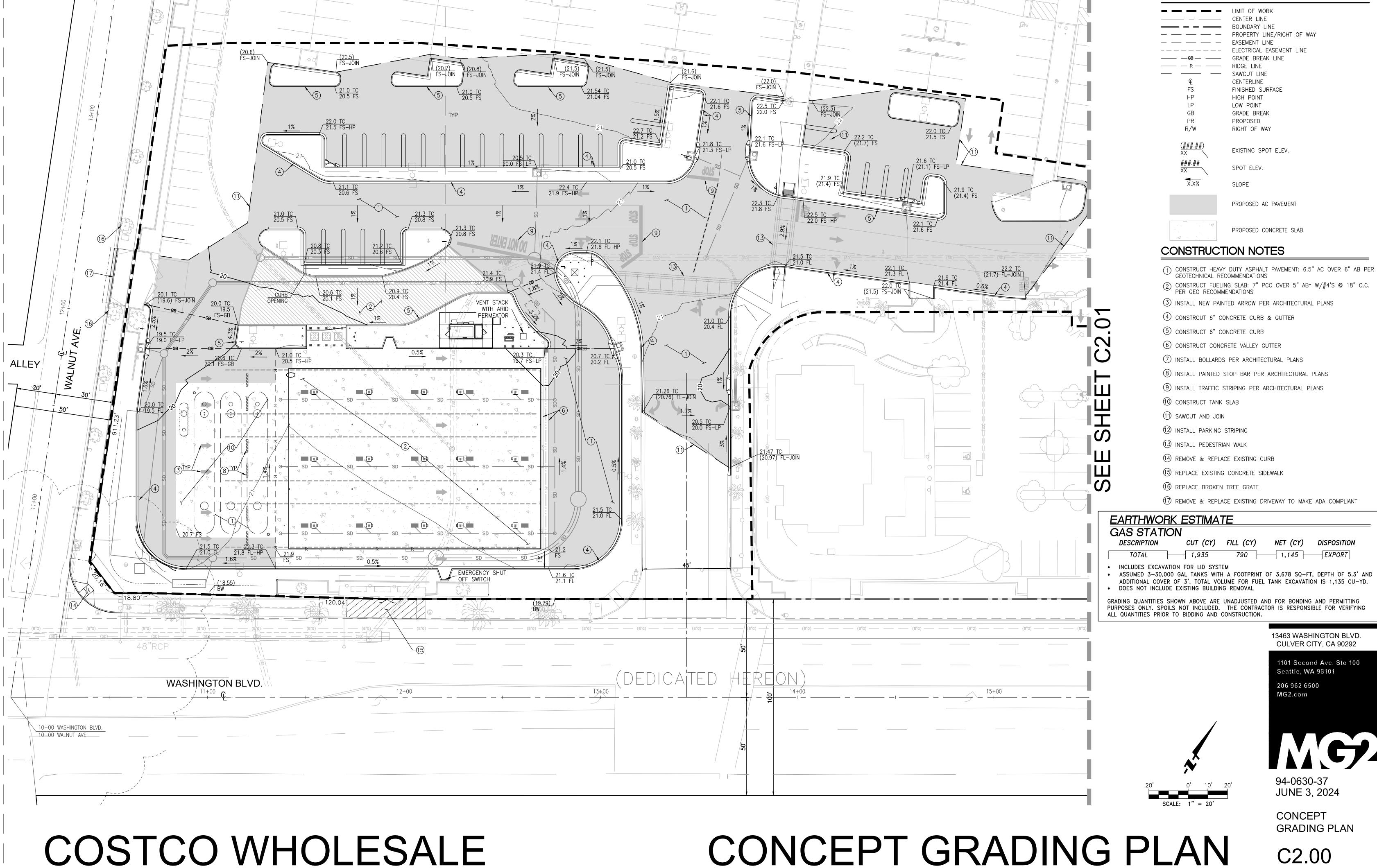
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DEMOLITION PLAN

C1.01

LEGEND AND ABBREVIATIONS

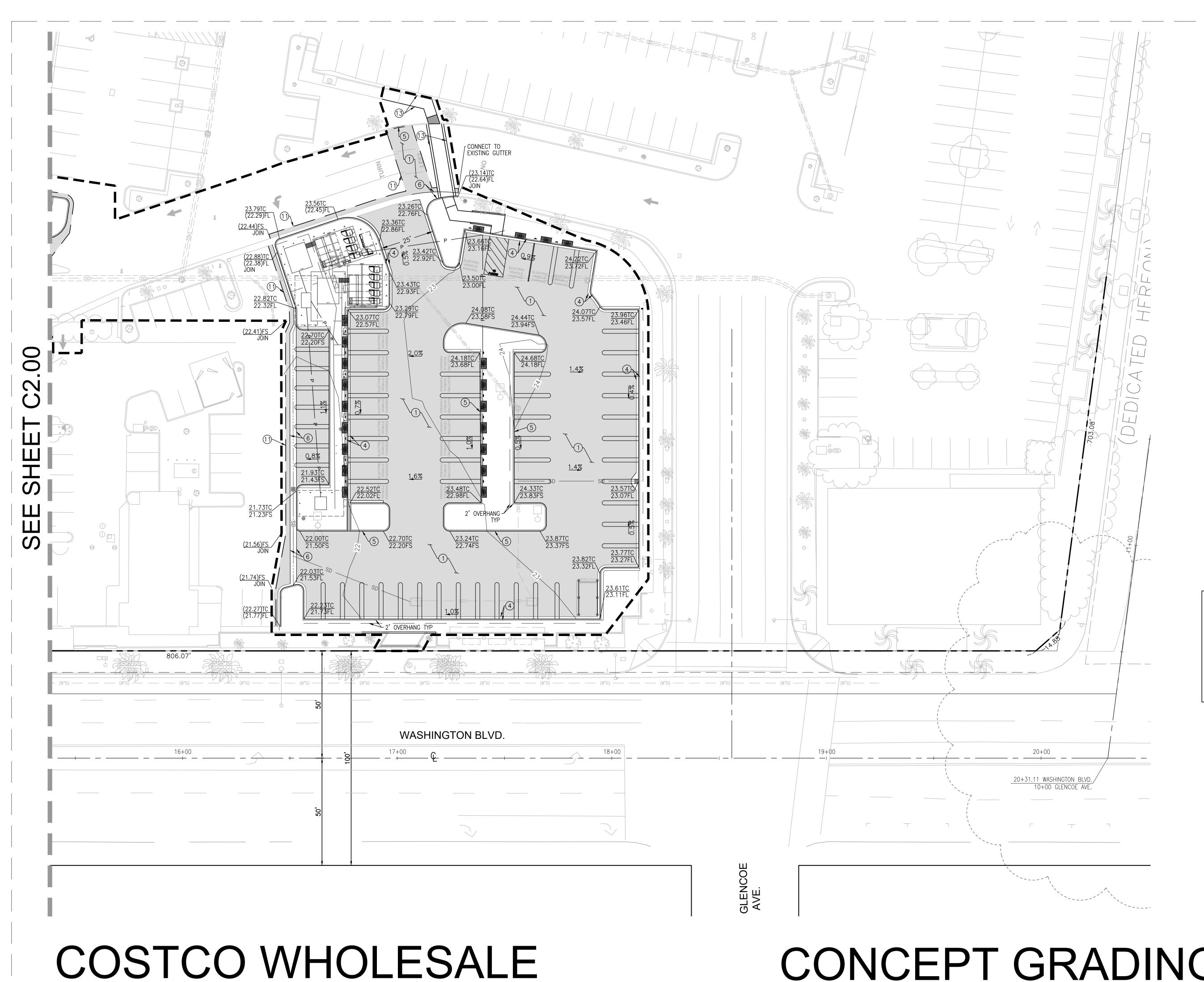


CULVER CITY, CALIFORNIA

CONCEPT GRADING PLAN

C2.00

LEGEND AND ABBREVIATIONS



LEGEND AND ABBREVIATIONS

BOUNDARY LINE PROPERTY LINE/RIGHT OF WAY EASEMENT LINE ELECTRICAL EASEMENT LINE ----- GRADE BREAK LINE CENTERLINE FINISHED SURFACE HIGH POINT LOW POINT GRADE BREAK PROPOSED RIGHT OF WAY EXISTING SPOT ELEV. SPOT ELEV. SLOPE PROPOSED AC PAVEMENT

CONSTRUCTION NOTES

(1) CONSTRUCT HEAVY DUTY ASPHALT PAVEMENT: 6.5" AC OVER 6" AB PER GEOTECHNICAL RECOMMENDATIONS

PROPOSED CONCRETE SLAB

- 2 CONSTRUCT FUELING SLAB: 7" PCC OVER 5" AB* W/#4'S @ 18" O.C. PER GEO RECOMMENDATIONS
- (3) INSTALL NEW PAINTED ARROW PER ARCHITECTURAL PLANS
- 4 CONSTRCUT 6" CONCRETE CURB & GUTTER
- 5 CONSTRUCT 6" CONCRETE CURB
- 6 CONSTRUCT CONCRETE VALLEY GUTTER
- (7) INSTALL BOLLARDS PER ARCHITECTURAL PLANS
- (8) INSTALL PAINTED STOP BAR PER ARCHITECTURAL PLANS
- (9) INSTALL TRAFFIC STRIPING PER ARCHITECTURAL PLANS
- (10) CONSTRUCT TANK SLAB
- (1) SAWCUT AND JOIN
- (12) INSTALL PARKING STRIPING
- (13) INSTALL PEDESTRIAN WALK

EARTHWORK ESTIMATE

PARKING LOT

GRADING QUANTITIES SHOWN ABOVE ARE UNADJUSTED AND FOR BONDING AND PERMITTING PURPOSES ONLY. SPOILS NOT INCLUDED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES PRIOR TO BIDDING AND CONSTRUCTION.

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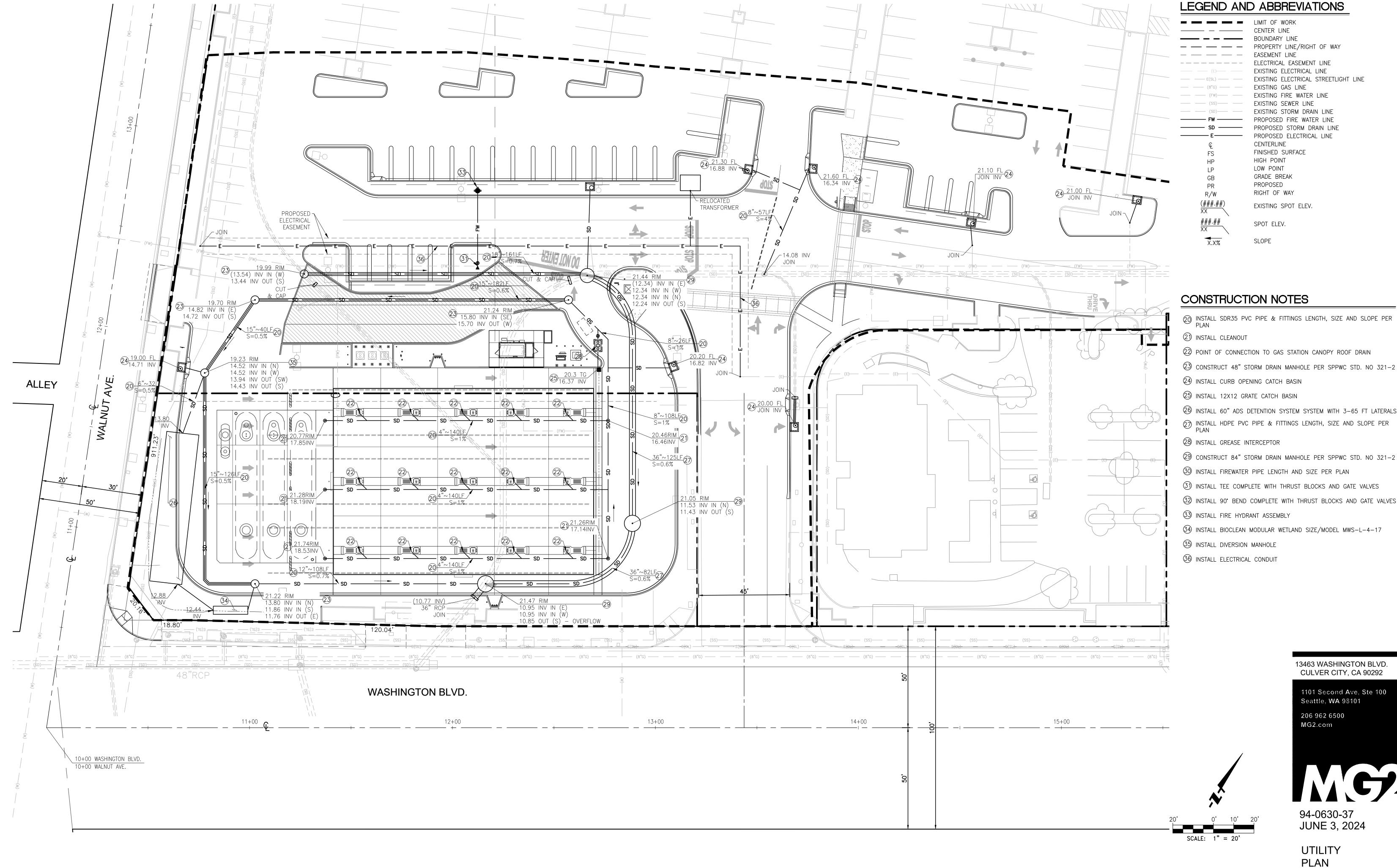
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94-0630-37 JUNE 3, 2024

CONCEPT **GRADING PLAN**

C2.01

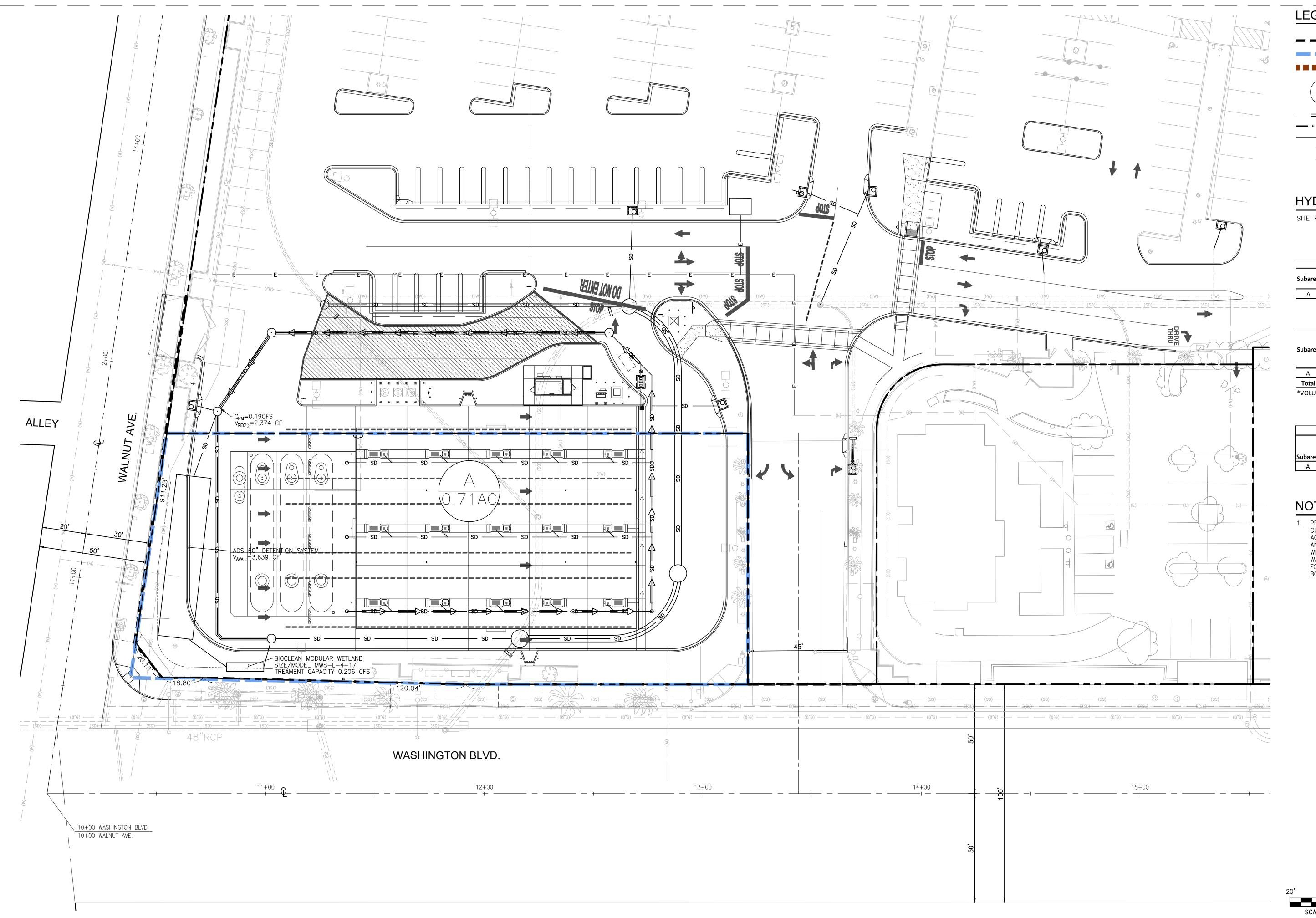
CONCEPT GRADING PLAN



CONCEPT UTILITY PLAN

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C3.00



LEGEND

PROJECT WATERSHED AREA LID/OUTPARCEL BOUNDARY

SUBAREA BOUNDARY

SUB-AREA NUMBER

FLOW DIRECTION DETENTION STRUCTURE

STORM DRAIN LINE

DETENTION VOLUME AVAILABLE TREATMENT VOLUME REQUIRED

HYDROLOGIC RUN-OFF CALCULATIONS

50 YR ISOHYET = 5.48 IN 85TH PERCENTILE ISOHYET = 1.08 IN

LID - 85th PERCENTILE

SOIL CLASSIFICATION = 16

Subarea	Area (Ac)	85th ISOHYET	% Impervious	Volume (Cu-Ft)	Q _{PM} (cfs)
Α	0.71	1.08	95%	2,374	0.19
			Total	2,374	0.19

		*Tue et es e es	Treatment Provided				
Subaraa	Aros (As)	*Treatment Required (Cu-	ADS 60" DIA DETENTION SYSTEM				
Subarea	Area (AC)	Ft)	Length (ft)	Width (ft)	Volume (Cu-Ft)		
Α	0.71	3,561	78	20.5	3,765		
Total	0.71	3,561			3,765		

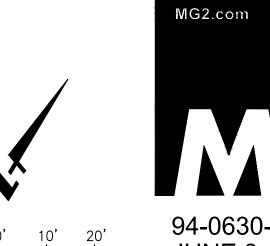
*VOLUME IS 1.5 TIMES SWQDV FOR BIOFILTRATION TREATMENT

MODULAR WETLAND SYSTEM DESIGN SUMMARY						
				Total		
Drainage				Treatment		
Area (Ac)	% Impervious	Q Design	Size/Model	Capacity (CFS)		
0.71	95%	0.19	MWS-L-4-17	0.206		
	Drainage Area (Ac)	Drainage Area (Ac) % Impervious	Drainage Area (Ac) % Impervious Q Design	Drainage Area (Ac) % Impervious Q Design Size/Model		

1. PER COST SHARING AGREEMENT BETWEEN COSTCO AND THE CITY OF CULVER CITY, LID TREATMENT FOR THE COSTCO BOUNDARY HAS BEEN ACCOUNTED FOR AS PART OF THE WASHINGTON BOULEVARD STORMWATER AND URBAN RUN-OFF DIVERSION SYSTEM PROJECT. THE OUTPARCEL

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JUNE 3, 2024

LID PLAN

C4.00

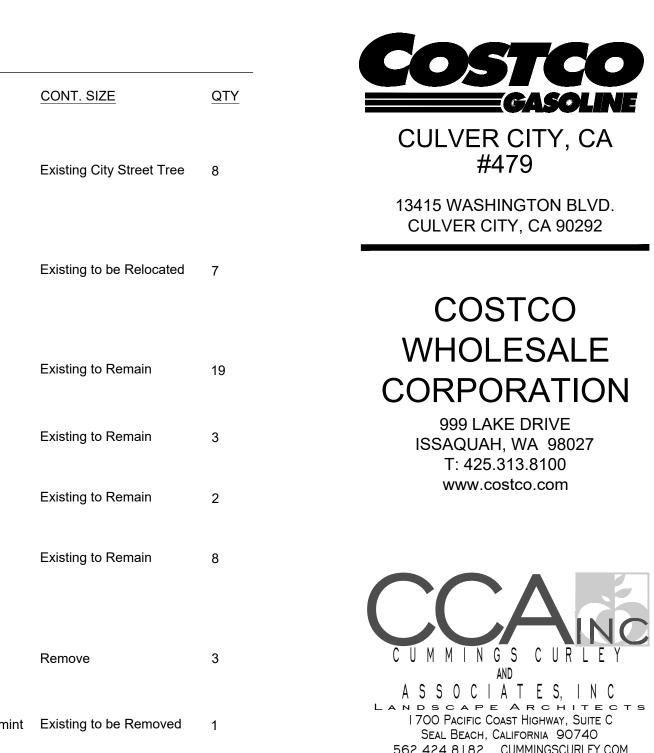
COSTCO WHOLESALE

LID PLAN

1 Demolition SYMBOL DESCRIPTION Existing shrubs and ground cover to be removed. Tree removal and retention per plan. Remove existing irrigation as needed to implement

PLANT SCHEDULE SYMBOL BOTANICAL NAME **COMMON NAME** CONT. SIZE STREET TREES Tristania conferta Exisiting street tree to be protected.

Brisbane Box See Tree Protection Details and EXISTING TREE TO REMAIN BOX AND RELOCATE Cocos plumosa Box, store on site and maintain. EXISTING TREE TO REMAIN IN PLACE Archontophoenix cunninghamiana King Palm Hong Kong Orchid Tree Bauhinia x blakeana Italian Cypress Cupressus sempervirens Pistacia chinensis Chinese Pistache EXISTING TREES TO BE REMOVED Hong Kong Orchid Tree Bauhinia x blakeana Remove Eucalyptus nicholii Nichol's Willow-leafed Peppermint Existing to be Removed 1 Chinese Pistache Pistacia chinensis Remove Zelkova serrata `Village Green` Sawleaf Zelkova Remove



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COSTCO

WHOLESALE

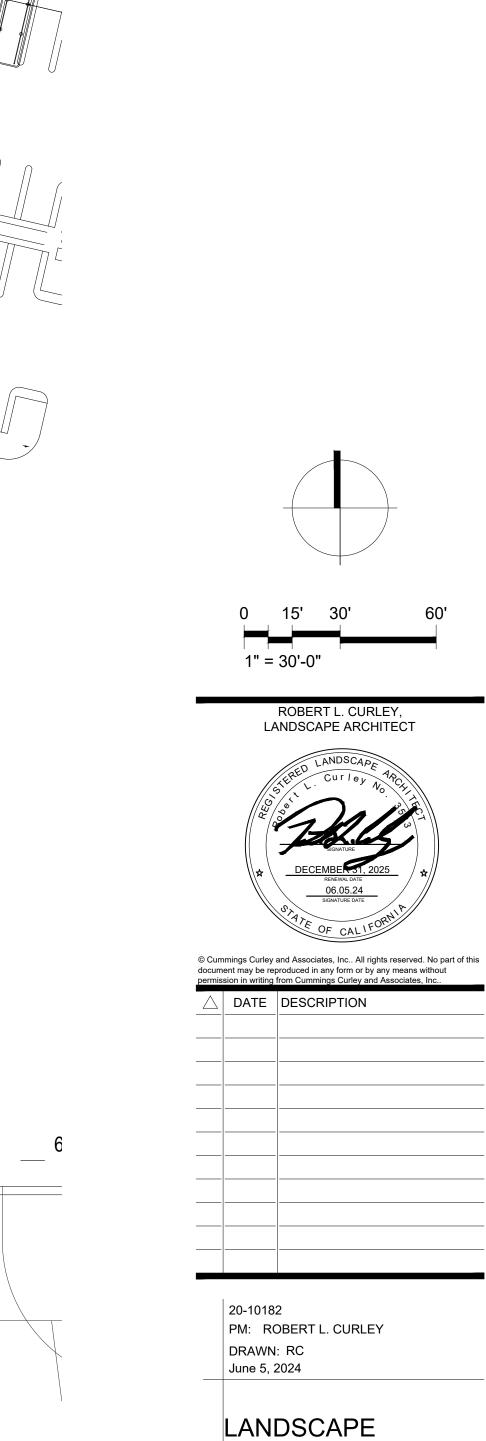
CORPORATION

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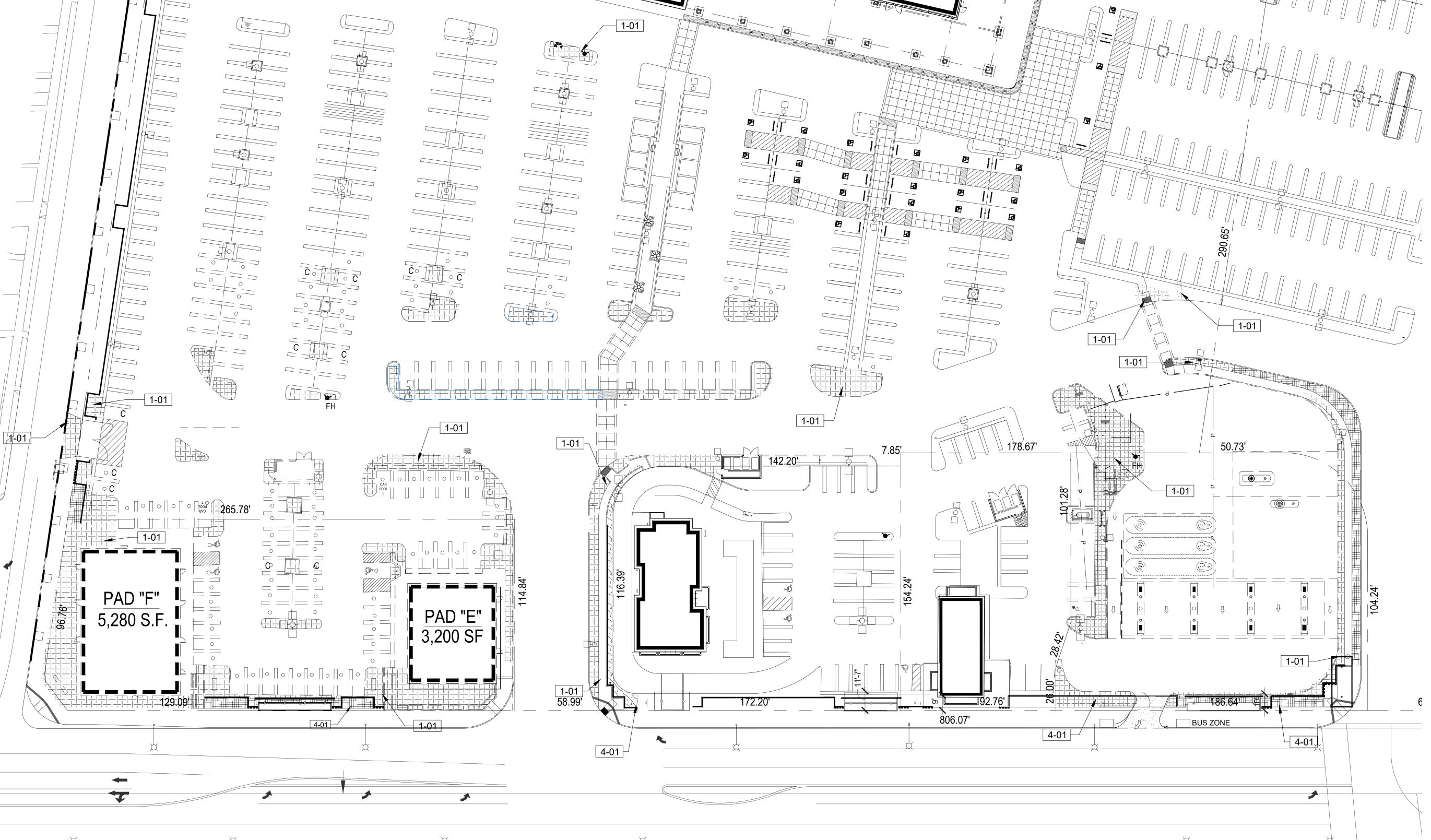
I 700 Pacific Coast Highway, Suite C

SEAL BEACH, CALIFORNIA 90740



DEMOLITION

PLAN



SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT. SIZE	HT & SP	SIZE	WULCOLS	PLANT FACTOR	HYDROZONE	
TREES	AC	Archontophoenix cunninghamiana Match existing	King Palm	18` Brown Trunk	40-60` ht. 8-12` sp.		M	0.4-0.6	2	
	ВВ	Bauhinia x blakeana	Hong Kong Orchid Tree	36" Box	12-20` ht. 15-20` sp.		M	0.4-0.6	2	
	PC	Pistacia chinensis	Chinese Pistache	36" Box	30-60` ht. 30-60` sp.	7-8` x 3-4`	M	0.4-0.6	2	
A CONTRACTOR OF THE PROPERTY O	TN	Trachycarpus fortunei	Windmill Palm	12` Brown Trunk		12` BT	M	0.4-0.6	2	
STREET TR	ZV	Zelkova serrata `Village Green`	Sawleaf Zelkova	36" Box	40-50` ht. 30-40` sp.		M	0.4-0.6	2	
STREET IN	TB	Tristania conferta Exisitng street tree to be protected. See Tree Protection Details and notes.	Brisbane Box	Existing City Street Tree						
EXISTING T	REE REL	OCATED								
3	RC2	Cocos plumosa Boxed tree from site demoltion.	Queen Palm	Existing Relocated						
EXISTING T	REE TO F	REMAIN BOX AND RELOCATE								
	RC	Cocos plumosa Box, store on site and maintain.	Queen Palm	Existing to be Relocated						
EXISTING T		REMAIN IN PLACE								
	EK		King Palm	Existing to Remain						
	EB		Hong Kong Orchid Tree	-						
THINK TANKED THE	CS		Italian Cypress	Existing to Remain						
	EP		Chinese Pistache	Existing to Remain						
	TE		Pink Trumpet Tree	Existing to Remain						
	TF	Trachycarpus fortunei	Windmill Palm	Existing to Remain						
test then	ent any an the vertica etails shall	nount of water is left standing in the tes al mulching details for tree detail "B" ar supersede all other planting details. H	nd shrub detail "B" shall a	pply to all trees and shrubs re	egardless of size.		_ 			
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TOTAL TREE COUNT (DOES NOT COUNT EXISTING TREES)

TOTAL TREE COUNT (DOES NOT COUNT EXISTING TREES)

_DWARF OLIVE HEDGE=

MIN. 48" TALL AT TIME

DOUBLE ROW

OF PLANTING

47 100% 36" BOX OR EQUAL

25 100% 36" BOX OR EQUAL

36" BOX 36" BOX

36" BOX

CONT. SIZE

36" BOX

36" BOX

12` BROWN TRUNI

FRONTAGE

	2
	,
	(
	;
	2
	,
	2
<u>SPACING</u>	<u>G</u> (
24" o.c.	;
<u>E</u>	

Existing Landcape to be protected.

DWARF OLIVE HEDGE - MIN. 48" TALL AT TIME OF PLANTING

281' / 20' = 14 TREES REQUIRED

14 PROVIDED

landscape fabric. Pin edges @ 18" on center

Palm Springs Gold gravel 3/4" dia. DeWitt Contractor's Select Plus 2.5 23,955 sf

888 sf

DWARF OLIVE HEDGE MIN. 48" TALL AT TIME OF PLANTING



CULVER CITY, CA #479

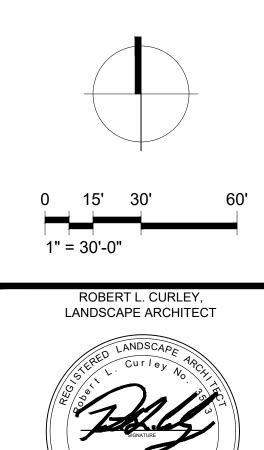
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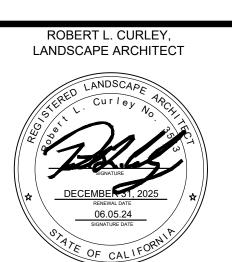
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\triangle	DATE	DESCRIPTION

DWARF OLIVE HEDGE MIN. 48" TALL AT TIME OF PLANTING

- DWARF OLIVE HEDGE

MIN. 48" TALL AT TIME

186.64

BUS ZONE

OF PLANTING

INDIAN HAWTHORN -

DOUBLE ROW

20-10182 PM: ROBERT L. CURLEY DRAWN: RC June 5, 2024

PLANTING PLAN







Bauhinia x blakeana







Lantana x 'New Gold'



Olea europaea `Montra`

Hesperaloe parviflora `Perpa`







Lantana camara `Radiation`

Salvia leucantha



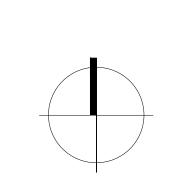
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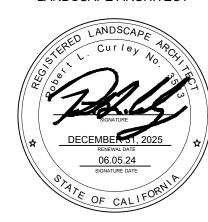
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ROBERT L. CURLEY, LANDSCAPE ARCHITECT



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DATE DESCRIPTION

20-10182 PM: ROBERT L. CURLEY DRAWN: RC June 5, 2024

LANDSCAPE IMAGERY

IRRIGATION SCHEDULE MANUFACTURER/MODEL/DESCRIPTION ARC PSI GPM RADIUS Rain Bird RWS-B-C 1404 Root Watering System with 4.0" diameter x 36.0" long with locking grate, semi-rigid mesh tube, and check valve. Rain Bird bubbler option as indicated: 1401 0.25 gpm, 1402 0.5 gpm, 1404 1.0 gpm, 1408 2.0 gpm. **SYMBOL** MANUFACTURER/MODEL/DESCRIPTION QTY Rain Bird XCZ-075-PRF Low Flow Drip Control Kit, 3/4" Low Flow Valve, 3/4" Pressure Regulating RBY Filter, and 30psi pressure regulator. 0.2gpm-5gpm. Rain Bird XCZ-PRB-100-COM Medium Plus Flow Drip Control Kit for Commercial Applications. 3 1" Ball Valve with 1" PESB Valve and 1" Pressure Regulating 40psi Quick-Check Basket Filter. 3gpm to 20gpm.

F	Rain Bird MDCFCAP Dripline Flush Valve cap in compression fitting coupler.	20
	Area to Receive Drip Emitters Rain Bird XB-PC-1032 Single Outlet, Pressure Compensating Drip Emitters. Flow rates of 0.5gph=blue, 1.0gph=black, and 2.0gph=red. Comes with a 10-32 threaded inlet x barb outlet. Emitter Notes: 10PC1032 emitters (2 assigned to each 15 gal plant)	27,875 s.f.
	10PC1032 emitters (1 assigned to each 5 gal plant)	
	10PC1032 emitters (1 assigned to each 1 gal@ plant)	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
•	Rain Bird PEB 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration.	11
XX	Point of Connection 2" Existing Service	1
	Irrigation Lateral Line: PVC Schedule 40	4,880 l.f.

Irrigation Mainline: PVC Schedule 40 Existing to Remain

Verify location in the field. See As Builts by Weisman Design

1,164 l.f.

3,178 l.f.

744.7 l.f.

	Valve Callout
	Valve Sallout Valve Number
# ₩•	Valve Flow
#"•	Valve Size

_____ Pipe Sleeve: PVC Schedule 40

—— — Irrigation Mainline: PVC Schedule 40

Group dated 1/27/99

3 Irrigation		
SYMBOL	DESCRIPTION	QTY
3-01	Existing irrigaiton to be protected. Re-work circuit and connect existing valve into Costco controller	481 sf

Existing irrigaiton to be removed and replaced as indicated

NUMBER	MODEL	SIZE	TYPE	<u>GPN</u>
2	Rain Bird XCZ-PRB-100-COM	1"	Area for Drip Emitters	1.87
21	Rain Bird PEB	1"	Bubbler	14
30	Rain Bird PEB	1-1/2"	Bubbler	12
31	Rain Bird PEB	1"	Bubbler	12
37	Rain Bird XCZ-PRB-100-COM	1"	Area for Drip Emitters	2.0
38	Rain Bird PEB	1-1/2"	Bubbler	18
39	Rain Bird PEB	1"	Bubbler	20
40	Rain Bird PEB	1-1/2"	Bubbler	30
41	Rain Bird PEB	1-1/2"	Bubbler	21
42	Rain Bird PEB	1-1/2"	Bubbler	26
43	Rain Bird XCZ-075-PRF	3/4"	Area for Drip Emitters	0.25
44	Rain Bird XCZ-PRB-100-COM	1"	Area for Drip Emitters	3.92
45	Rain Bird PEB	1-1/2"	Bubbler	20
46	Rain Bird PEB	1"	Bubbler	14
47	Rain Bird PEB	1"	Bubbler	10
Unknown	Cap from existing system		Cap (as indicated for future use)	
Unknown	Cap from existing system		Cap (as indicated for future use)	

Unknown Cap from existing system

Cap (as indicated for future use)

IRRIGATION NOTES

VERIFICATION:

The system is based on a static 80 p.s.i. and 50 g.p.m. available at the discharge outlet of the meter or other point of connection. The contractor shall verify the same at the award of the contract. The contractor shall notify the Landscape Architect immediately if the data is significantly different and would adversely affect the operation of the system. Such notice shall be in writing and shall occur within 5 days of contract award for projects anticipated to take two weeks or longer or 72 hours prior to commencement.

SCHEMATIC:

The system features are shown schematically for graphic clarity: install all piping and valves in common trenches (the minimum cover noted in the legend is required for the upper most line) where feasible and inside planting areas. Valves and main lines shall be located in planter areas.

The irrigation system and all other mechanical, electrical, and structural systems shall be installed in accordance with all federal, state, and local codes and manufacture specifications recommendations and requirements. Notify the Landscape Architect immediately in writing prior to signing a contract with the owner of any conflicts. Conflicts noted after signing or after the commencement of work shall be the sole responsibility of the

HEAD ALLOWANCE:

The contractor is required to provide the owner with a complete project. He/she shall install any additional heads, nozzle changes, valves, irrigation lines, wire, etc. as necessary to accommodate any necessary field changes. The contractor shall make all needed changes as directed by the Landscape Architect and provide the owner with a complete project at no additional cost to the owner.

Install check valves at the base of any heads that display low end drainage. These shall be included in the contractors price and shall be added as directed by the Landscape Architect and provide the owner with a complete project with no additional cost to the owner.

The contractor shall be responsible for providing adequately sized sleeving for all irrigation pipes, landscape lighting and other components. The drawings are intended to be used as a guide only. Sleeves shall be clearly marked during construction and shall occur under all paved areas and shall extend 1' minimum beyond all paving. Sleeves must be 2x the diameter of pipe running through it.

GUARANTEE: The contractor shall guarantee the irrigation system and all its components for the period of one year after final acceptance by the Landscape

Architect. The contractor shall be responsible for all materials and labor associated with the guarantee, including but not limited to the loss of plant

material or damage to structures due to the failure of the irrigation system.

All exposed 110V wires shall be placed in rigid metal conduit and hard wired directly to 110V service. All exposed low voltage wire for irrigation and

lighting shall also be placed in rigid metal conduit.

PLANT ESTABLISHMENT WITH DRIP IRRIGATION: All planting areas including pots irrigated with drip irrigation or low volume irrigation components shall be hand watered by the installer until the plant materials root zones have established enough to effectively access the irrigation water from the drip systems.

MAINLINE SIZING: Mainline shall be sized as follows, based on maximum GPM demand:

0-10 GPM: 1" Schedule 40 PVC Pipe 10-18 GPM: 1-1/4" Schedule 40 PVC Pipe

18-26 GPM: 1-1/2" Schedule 40 PVC Pipe

26-40 GPM: 2" Class 315 PVC Pipe

40-60 GPM: 2 1/2" Class 315 PVC Pipe 60-95 GPM: 3" Class 315 PVC Pipe

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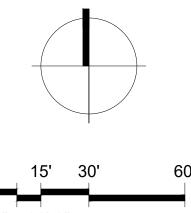
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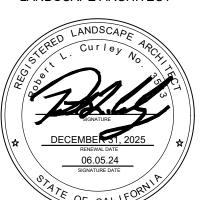
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\triangle	DATE	DESCRIPTION
	20-1018	2

PM: ROBERT L. CURLEY DRAWN: RC June 5, 2024

IRRIGATION PLAN