

CITY OF OAKLAND



DALZIEL BUILDING . 250 FRANK H. OGAWA PLAZA . SUITE 4314 . OAKLAND . CALIFORNIA . 94612
Department of Transportation
Safe Streets Division

Bicyclist and Pedestrian Advisory Commission, Infrastructure Committee Agenda **Thursday, March 7th, 2024; 3:30-5:30 pm** **250 Frank Ogawa Plaza, Suite 4314, Broadway Conference Room**

BPAC Home Page: www.oaklandca.gov/boards-and-commissions/bicyclist-and-pedestrian-advisory-commission

Resources for Commissioners: <https://www.oaklandca.gov/resources/resources-for-bpac-members>

Previous Meeting Information and Minutes: <https://docs.google.com/document/d/1qqS46y3dVWNeAxMVwU3HTwjunj-b0pwANtZix-CisiWA>

Commissioner Members (co-chair in bold)

Grey Gardner, Patricia Schader, **Dianne Yee**

Community Members (co-chair in bold)

Reginald Burnette Jr, Brendan Pittman, **Robert Prinz**

This is an in-person meeting. People participating in the meeting must attend in-person. Remote participation including public comment via teleconferencing is not available at this time. Hybrid meetings may commence once the City of Oakland has established meeting procedures and allocated resources for simultaneously supporting in-person and remote participation. All Commission meetings will include procedures to comply with the open meeting requirements of the City's [Sunshine Ordinance](#) and the State's [Brown Act](#).

Public Survey on Return to In-Person Meetings: A survey has been created to gather feedback from the public regarding board and commission meetings in the City of Oakland:

<https://us.openforms.com/Form/d98a20d5-72e7-4d23-8fc3-be13f6cd32bb>.

If you have any questions, please email Robert Prinz (robert@BikeEastBay.org) and BPAC Commissioner Dianne Yee (yee.bpac@gmail.com).

The meeting will take place at 250 Frank Ogawa Plaza on the 4th floor, in the Broadway Conference Room. Here are instructions to participate in this public meeting:

- Enter the 250 Frank Ogawa Plaza building from the plaza, across from City Hall.
- Sign in at the security desk and proceed to the elevators.
- Ask the elevator attendant to provide access to the 4th floor.
- Follow the posted signs to the Broadway Conference Room from the 4th floor elevators.

Time	#	Topic
3:30	1	Introductions and Updates on Previous Agenda Items (15 minutes)
3:45	2	Laurel Access to Mills, Maxwell Park & Seminary (LAMMPS) Project Update <i>Attachment</i> (30 minutes) City of Oakland Department of Transportation (OakDOT) staff in the Great Streets Division, Planning and Project Development Section will provide an update regarding the status of the LAMMPS and Seminary Avenue Projects. The upper segment of the Seminary Avenue Paving Project will become LAMMPS Phase 3 , a Class I path from Camden Street to Sunnymere Avenue, and the lower segment from Foothill Boulevard to Camden Street will continue as a paving project with pedestrian and traffic calming improvements.
4:15	3	Lakeshore Ave Separated Bike Lanes Project <i>Attachment</i> (45 minutes) OakDOT staff in the Safe Streets Division, Bicycle and Pedestrian Program will provide an introduction to the Lakeshore Ave Separated Bike Lanes Project . After a brief background, the presentation and discussion will focus on the concept plans for the proposed two-way cycle track on Lakeshore Avenue from East 18 th Street to El Embarcadero.
5:00	4	Future Agenda Item Suggestions (30 minutes)



This meeting location is wheelchair accessible. To request disability-related accommodations or to request an ASL, Cantonese, Mandarin, or Spanish interpreter, please email pgerard@oaklandca.gov or call (510) 238-6313 or 711 (for Relay Service) at least five (5) working days before the meeting. Please refrain from wearing scented products to this meeting as a courtesy to attendees with chemical sensitivities.

Esta reunión es accesible para sillas de ruedas. Si desea solicitar adaptaciones relacionadas con discapacidades, o para pedir un intérprete en español, Cantones, Mandarín o de lenguaje de señas (ASL) por favor envíe un correo electrónico a pgerard@oaklandca.gov o llame al (510) 238-6313 o al 711 para servicio de retransmisión (Relay Service) por lo menos cinco (5) días hábiles antes de la reunión. Se le pide de favor que no use perfumes a esta reunión como cortesía para los que tienen sensibilidad a los productos químicos. Gracias.

會場有適合輪椅出入設施。需要殘障輔助設施，手語，西班牙語，粵語或國語翻譯服務，請在會議前五個工作天電郵 pgerard@oaklandca.gov 或致電 (510) 238-6313 或 711 (電話傳達服務)。請避免塗搽香氛產品，參加者可能對化學成分敏感。請避免塗搽香氛產品，參加者可能對化學成分敏感。

Địa điểm tổ chức cuộc họp có đường dành riêng cho xe lăn. Để yêu cầu các phương tiện hỗ trợ phục vụ người khuyết tật hoặc yêu cầu thông dịch viên ASL, tiếng Quảng Đông, tiếng Quan Thoại hoặc tiếng Tây Ban Nha, vui lòng gửi email đến địa chỉ pgerard@oaklandca.gov hoặc gọi đến số 711 (với Dịch vụ Tiếp âm) ít nhất năm (5) ngày làm việc trước khi cuộc họp diễn ra. Vui lòng không sử dụng các sản phẩm có mùi thơm khi tham gia cuộc họp này như một phép lịch sự đối với những người tham dự nhạy cảm đối với các chất hóa học.

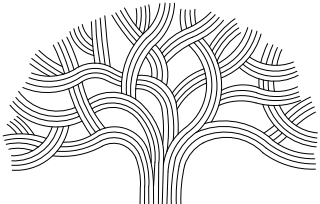
PLANS FOR THE CONSTRUCTION OF
SEMINARY AVENUE STREETSCAPE DESIGN
CAMDEN STREET TO SUNNYMERE AVENUE

FUNDED BY
PUBLIC WORKS DEPARTMENT
CITY PROJECT NO.: 1006516



Know what's below.
Call before you dig.

THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AND THE CITY PUBLIC WORKS AGENCY AT LEAST 48 HOURS (2 WORKING DAYS) PRIOR TO BEGINNING ANY EXCAVATION IN THE VICINITY OF UNDERGROUND FACILITIES.



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DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA
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(510) 238-3437
FAX (510) 238-7227

GREAT STREETS DELIVERY (DOT)

PRINCIPAL CIVIL ENGINEER

SAFE STREETS (DOT)

DIVISION MANAGER

ADA PROGRAM (DOT)

PROGRAM MANAGER

PROJECT DELIVERY DIVISION (OPW)

DIVISION MANAGER

BUREAU OF MAINTENANCE AND INTERNAL SERVICES (OPW)

ASSISTANT DIRECTOR

BUREAU OF ENVIRONMENT (OPW)

ASSISTANT DIRECTOR

CHECKED BY

DESIGNED BY

MG

DRAWN BY

AC, AV, BV

No.	BY	DATE	REFERENCE

PROJECT NO.

1006516

SCALE:

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SHEET NO.

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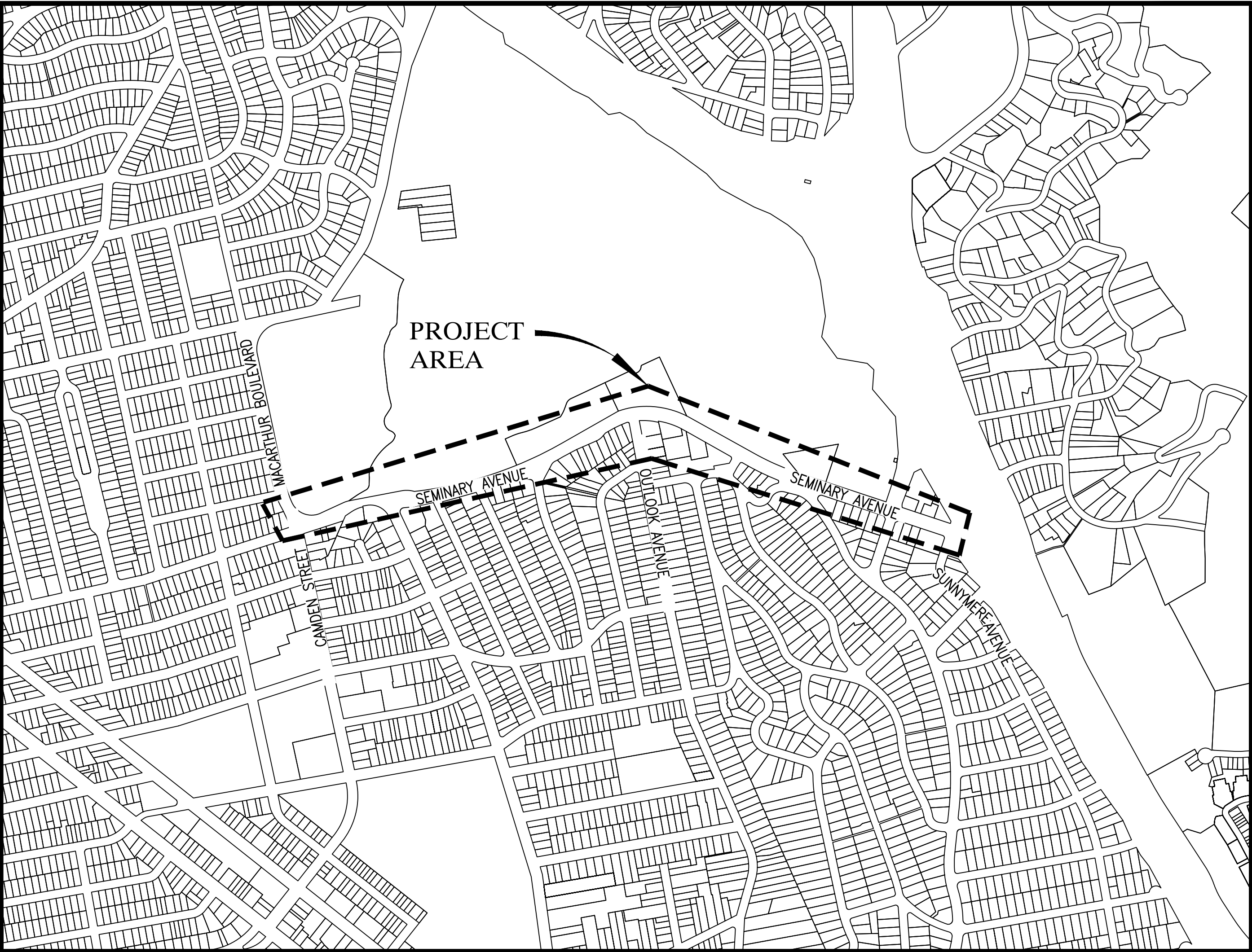
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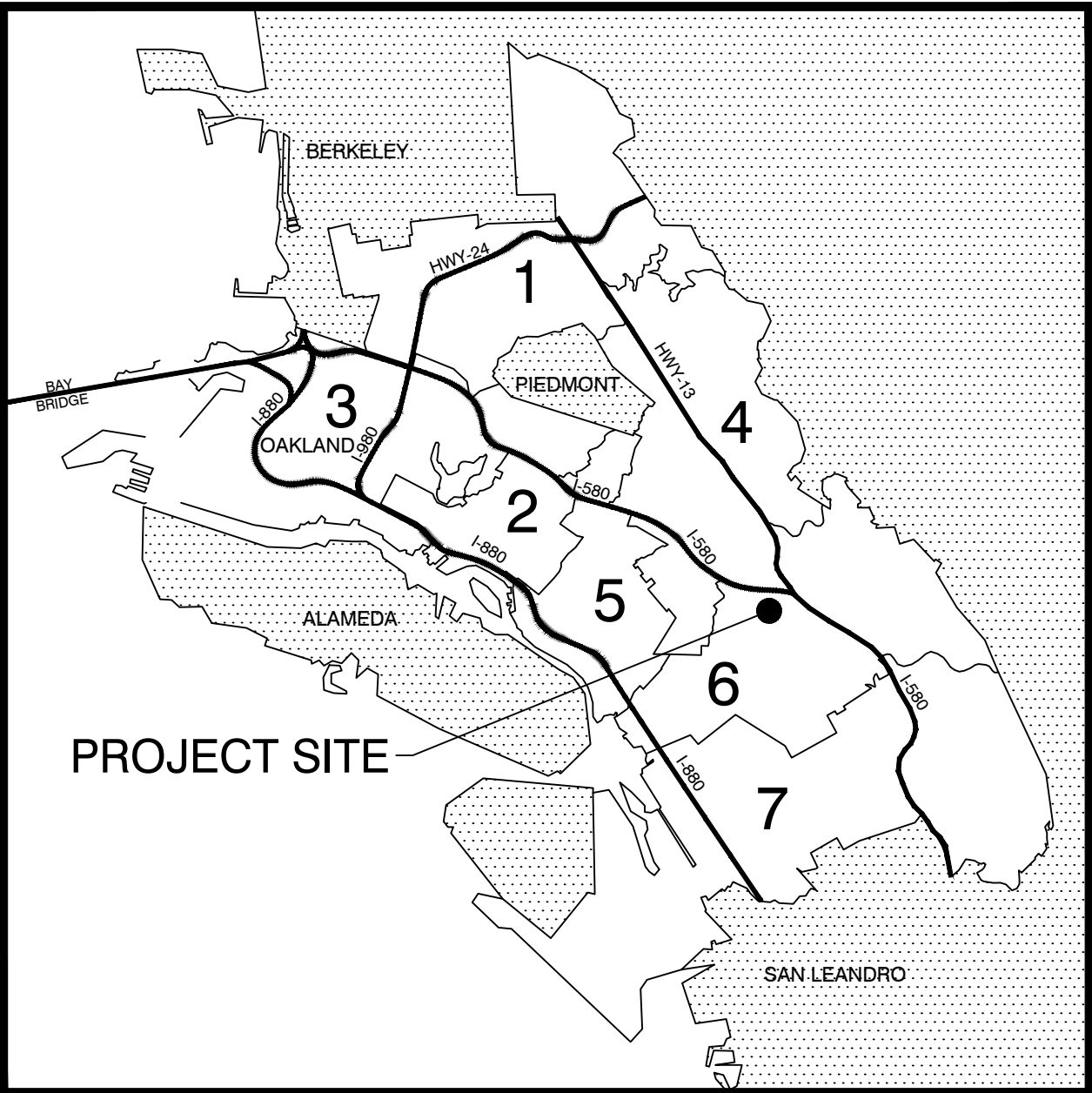
1 OF 12

LOCATION MAPS

NOT TO SCALE



CITY OF OAKLAND
COUNCIL DISTRICT MAP

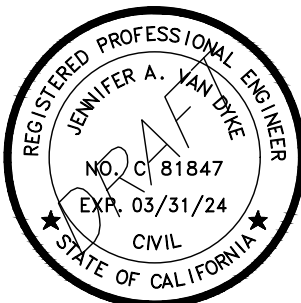


SHEET INDEX		
SHEET NUMBER	SHEET DESCRIPTION	SHEET TITLE
1	G1	TITLE SHEET
2	G2	NOTES, LEGEND, AND ABBREVIATIONS
3	C1	SEMINARY AVENUE 9+75 TO 14+75
4	C2	SEMINARY AVENUE 14+50 TO 18+50
5	C3	SEMINARY AVENUE 18+50 TO 23+00
6	C4	SEMINARY AVENUE 23+00 TO 27+50
7	C5	SEMINARY AVENUE 27+50 TO 32+00
8	C6	SEMINARY AVENUE 32+00 TO 36+50
9	C7	SEMINARY AVENUE 36+50 TO 41+00
10	C8	SEMINARY AVENUE 41+00 TO 45+50
11	C9	SEMINARY AVENUE 45+50 TO 50+00
12	C10	SEMINARY AVENUE 50+00 TO 51+63

ENGINEER



5253 College Ave., Suite B
Oakland, CA. 94618
(510) 250-9189



MEGAN WIER
OAKLAND DEPARTMENT OF TRANSPORTATION
ASSISTANT DIRECTOR

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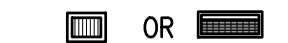
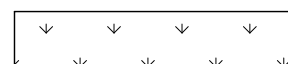
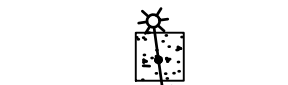
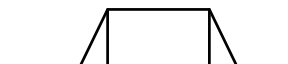
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01/23/24
MGens
PLOTTED BY:

GENERAL NOTES

1. ALL DRAWINGS AND SPECIFICATIONS ARE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION MAY BE ISSUED. WORK NOT CONFORMING TO THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO THE CITY.

LEGEND

PROPOSED FEATURES

	EDGE OF PAVEMENT
	CURB AND GUTTER
	STORM DRAIN MANHOLE
	STORM DRAIN INLET
	SILT ROLL / FIBER ROLL
	NEW OR REHABILITATED AC PAVEMENT
	LANDSCAPING/MULCH
	MEDIAN BARRIER - STRIPING AND MARKERS
	STREET AND/OR PATHWAY LIGHTING
	PEDESTRIAN CURB RAMP
	SHARED USED PATHWAY CURB RAMP

EXISTING FEATURES

	MAJOR CONTOUR
	MINOR CONTOUR
	EDGE OF PAVEMENT
	WATER LINE
	SANITARY SEWER
	STORM DRAIN
	UNDERGROUND ELECTRIC
	GAS LINE
	OVERHEAD UTILITY
	UNDERGROUND COMMUNICATION
	UNDERGROUND UTILITY
	DRAINAGE
	RIGHT-OF-WAY
	PROPERTY LINE
	SURVEY MONUMENT
	STORM DRAIN MANHOLE
	STORM DRAIN INLET
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEANOUT
	POINT ELEVATION W/DESCRIPTOR
	FIRE HYDRANT
	WATER VALVE

ABBREVIATIONS

NOT ALL ABBREVIATIONS LISTED ARE USED IN THESE PLANS

AB	AGGREGATE BASE	MFGR	MANUFACTURER
AC	ASPHALT CONCRETE	MH	MANHOLE
A/G	ABOVE GROUND	MAX	MAXIMUM
@	AT	MDD	MAXIMUM DRY DENSITY
APPROX	APPROXIMATE	MJ	MECHANICAL JOINT
ASS'Y	ASSEMBLY	MI	MILE
AVG	AVERAGE	MIN	MINIMUM
AWWA	AMERICAN WATER WORKS ASSOCIATION	MISC	MISCELLANEOUS
		MVC	MIDDLE OF VERTICAL CURVE
BC	BEGIN CURVE	N	NORTH
BMP	BEST MANAGEMENT PRACTICES	NEC	NATIONAL ELECTRICAL CODE
BOW	BACK OF WALK	NIC	NOT IN CONTRACT
BSP	BLACK STEEL PIPE	NTS	NOT TO SCALE
BW	BOTTOM OF WALL	# OR NO	NUMBER
BVC	BEGIN VERTICAL CURVE		
C&G	CURB AND GUTTER	OC	ON CENTER
CB	CATCH BASIN	OG	ORIGINAL GRADE
CF	CUBIC FEET	OWS	OIL/WATER SEPARATOR
CL	CENTERLINE		
CLR	CLEAR	±	PLUS OR MINUS
CMP	CORRUGATED METAL PIPE	PCC	PORTLAND CEMENT CONCRETE OR
CO	CLEAN OUT		POINT OF COMPOUND CURVE
COMM	COMMUNICATION	PE	PERMANENT EASEMENT
CONC	CONCRETE	PL	PROPERTY LINE
CONST	CONSTRUCT	POS	POSITIVE
CP	CONTROL POINT	PRC	POINT OF REVERSE CURVE
CY	CUBIC YARD	PSI	POUNDS PER SQUARE INCH
		PT	POINT
* OR DEG	DEGREE(S)	PTC	PERMISSION TO CONSTRUCT
DI	DROP INLET	PUE	PUBLIC UTILITY EASEMENT
Ø OR DIA	DIAMETER	PVC	POLYVINYL CHLORIDE
DI	DUCTILE IRON	PVI	POINT OF VERTICAL INTERSECTION
DWG	DRAWING	PVMT	PAVEMENT
DW OR DWY	DRIVEWAY		
E	EAST	R	RADIUS
EA	EACH	RCP	REINFORCED CONCRETE PIPE
EASE	EASEMENT	REVEG	REVEGETATION
EC	END OF CURVE	RT,R	RIGHT
EG	EXISTING GRADE	R/W, ROW	RIGHT-OF-WAY
ELEC	ELECTRIC		
EP	EDGE OF PAVEMENT	S	SLOPE, SOUTH
EL	ELEVATION	SCH	SCHEDULE
EVC	END OF VERTICAL CURVE	SD	STORM DRAIN
EX	EXISTING	SDR	STANDARD DIMENSION RATIO
		SDMH	STORM DRAIN MANHOLE
FCA	FLANGE COUPLING ADAPTER	SF	SQUARE FOOT/FEET
FH	FIRE HYDRANT	SHT	SHEET
FG	FINISH GRADE	SSMH	SANITARY SEWER MANHOLE
FFC	FRONT FACE CURB	SSCO	SANITARY SEWER CLEAN OUT
FES	FLARED END SECTION	SS	SANITARY SEWER, STAINLESS STEEL
FL	FLOWLINE	STA	STATION
FLG	FLANGED	STD	STANDARD
FT OR '	FOOT, FEET	SY	SQUARE YARD
FV	FLUSH VALVE		
G	GAS	TBC	TOP BACK OF CURB
GV	GATE VALVE	TC	TOP OF CURB
GB	GRADE BREAK	TCE	TEMPORARY CONSTRUCTION EASEMENT
GSP	GALVANIZED STEEL PIPE	TW	TOP OF WALL
		TYP	TYPICAL
HP	HIGH POINT	UGE	UNDERGROUND ELECTRIC
HOR	HORIZONTAL	UGT	UNDERGROUND TELEPHONE
HDPE	HIGH DENSITY POLYETHYLENE	U/G	UNDERGROUND
HMAC	HOT MIXED ASPHALT CONCRETE		
		VC	VERTICAL CURVE
IE	INVERT ELEVATION	VG	VALLEY GUTTER
ID	INSIDE DIAMETER		
IN OR "	INCH	W	WATER
INT	INTERSECTION	WL	WATER LINE
IRR	IRRIGATION	W	WEST
		W/	WITH
LT OR L	LEFT	WM	WATER METER
LEN	LENGTH		
LF	LINEAR FEET		
LP	LOW POINT		
LS	LUMP SUM		

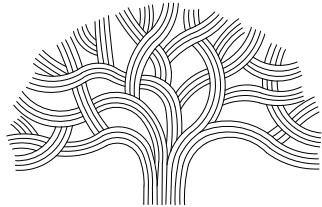


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(510) 250-9189

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SEMINARY AVENUE STREETScape DESIGN

CAMDEN STRET TO
SUNNYMERE AVENUE



CITY OF OAKLAND

DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314 * OAKLAND CA, 94612
(510) 238-3437 * FAX (510) 238-7227

CIVIL ENGINEER
JENNY VAN DYKE, P.E.

RCE NO. C81847

CHECKED BY

DESIGNED BY MG

DRAWN BY AC, AV, BV

NO.	DATE	BY	REFERENCE

NOTES, LEGEND, AND
ABBREVIATIONS

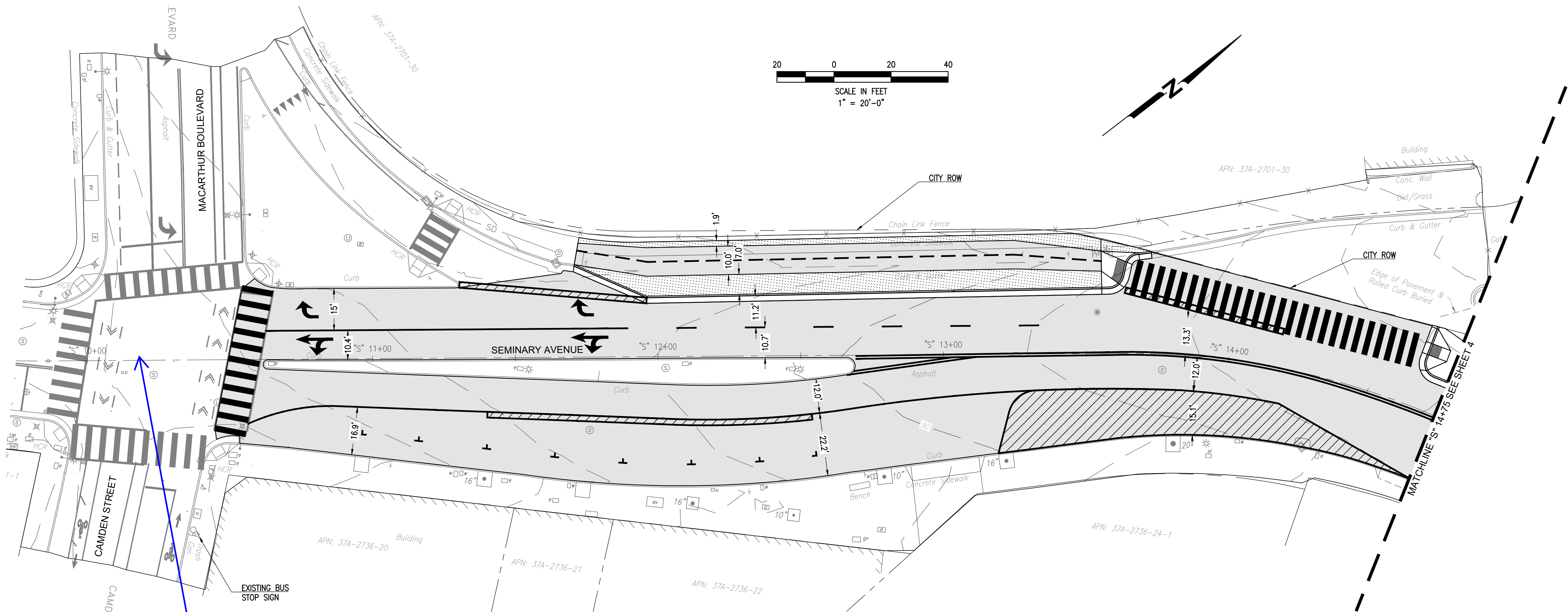


PROJECT NO.

1006516

SCALE: SHEET NO.

DATE: JAN 12 2024 2 OF 12



MacArthur/Camden/Seminary intersection will be designed and built as part of LAMMPS 2 Project. That designer will merge their design with this. See next page for 35% design from early LAMMPS 2 process.

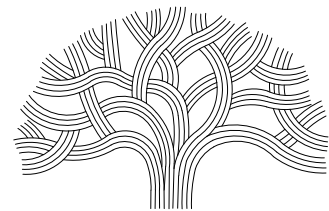
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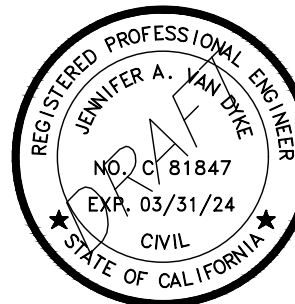
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NO.	DATE	BY	REFERENCE

SEMINARY AVENUE 9+75 TO
14+75



PROJECT NO.

1006516

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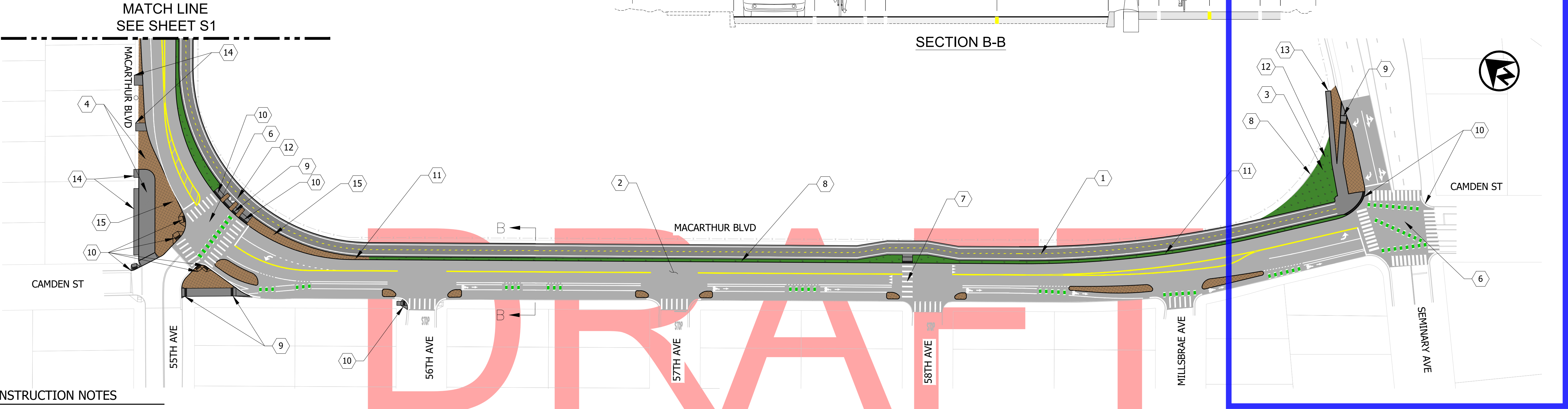
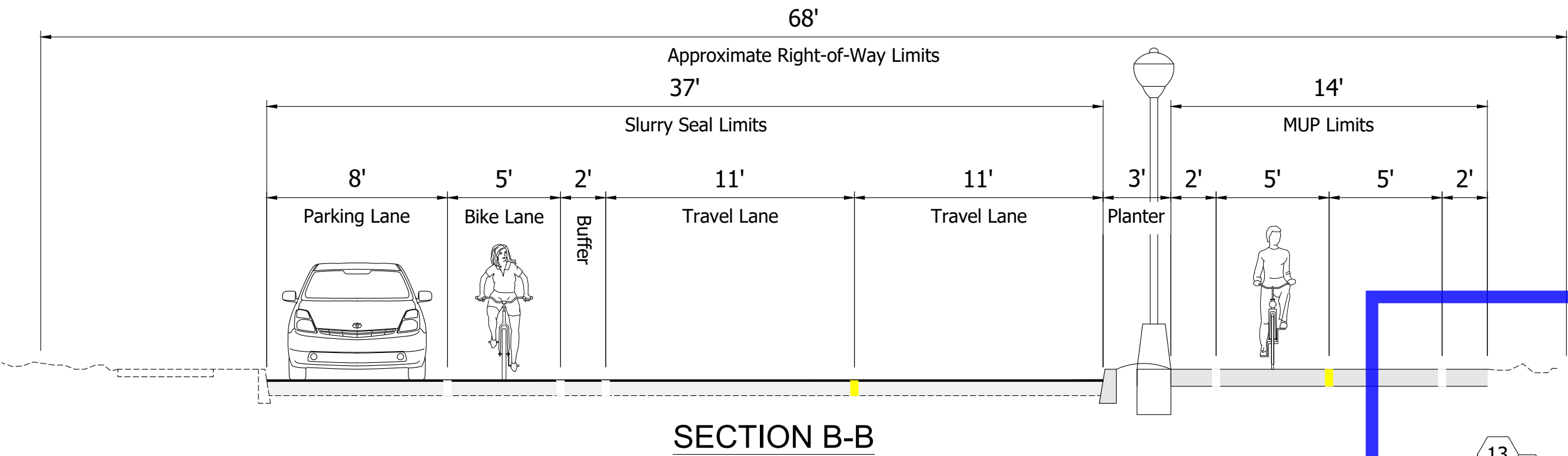
DATE:
JAN 12 2024

3 OF 12

LEGEND

- RAISED CONCRETE ISLAND, TYPICAL
- BIKE LANE MARKINGS AT DRIVEWAY
- NEW SIDEWALK

DRAFT CONCEPT PLAN FOR SUBMITTAL TO THE ONE BAY AREA GRANT CYCLE 3 GRANT PROGRAM ON JUNE 30, 2022. IF OAKDOT IS SUCCESSFUL IN THIS GRANT APPLICATION, THEN WE WILL WORK WITH THE COMMUNITY TO REFINE THIS DESIGN.



CONSTRUCTION NOTES

- REMOVE EXISTING CURB, SAWCUT, AND REMOVE 17 FT WIDTH OF EXISTING PAVEMENT. INSTALL NEW CURB, GRADE TO NEW ELEVATION, INSTALL MULTI-USE PATH: 3" ASPHALT CONCRETE, 6" CLASS 2 AGGREGATE BASE, SUBGRADE PREPARATION (1.5 FT DEPTH) WITH GEOTEXILE.
- CRACK TREATMENT AND SLURRY SEAL EXISTING PAVEMENT FULL WIDTH.
- REMOVE EXISTING CHANNELIZED RIGHT-TURN LANE, CURB, SIDEWALK, AND CONCRETE ISLAND. INSTALL NEW CURB, INSTALL NEW SIDEWALK, BIKE RAMPS, AND PEDESTRIAN RAMP. GRADE TO NEW ELEVATION.
- REMOVE EXISTING CURB AND PAVEMENT. INSTALL NEW CURB, CONCRETE ISLAND, AND DRIVEWAY. GRADE TO NEW ELEVATION.
- REMOVE EXISTING TRAFFIC SIGNAL CABINET AND SERVICE PEDESTAL. INSTALL NEW CABINET AND PEDESTAL.
- REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT COMPLETE AND INSTALL NEW TRAFFIC SIGNAL EQUIPMENT
- INSTALL MID-BLOCK PEDESTRIAN CROSSING WITH SOLAR POWERED RAPID FLASHING BEACONS.
- REMOVE EXISTING DRAINAGE INLET. INSTALL NEW INLET, AS NEEDED, AND RECONNECT TO STORM DRAIN.
- INSTALL BIKE RAMP.
- INSTALL PEDESTRIAN RAMP.
- LANDSCAPE BUFFER.
- REMOVE/RELOCATE STREETLIGHT.
- CONNECT TO EXISTING SIDEWALK.
- NEW DRIVEWAY.
- AC TRANSIT BUS STOP.
- REMOVE EXISTING RETAINING WALL & INSTALL NEW RETAINING WALL.
- NEW SIDEWALK.

FOR REFERENCE ONLY as part of
Seminary Ave 15% Design review!!!

See intersection of MacArthur/
Camden/Seminary

KITTELSON & ASSOCIATES
155 GRAND AVENUE, SUITE 505
OAKLAND, CA 94612
P 510.839.1742 F 510.839.0871

LAMMPS Phase 2

CITY OF OAKLAND
BUREAU OF ENGINEERING AND CONSTRUCTION SERVICES
250 FRANK OGAWA PLAZA, SUITE 4314 * OAKLAND, CA 94612
(510) 238-3437 * FAX (510) 238-7227
PROJECT NO. _____

CIVIL ENGINEER	No.	DATE	BY	REFERENCE
RCE NO. _____ EXP. _____				
CHECKED BY JMS				
DESIGNED BY MGA				
DRAWN BY KKD				

35% CONCEPT PLAN
NOT FOR CONSTRUCTION

S2

SCALE:
HOR. 1" = 50'
VERT. _____
DATE: 20/06/2022
SHEET NO. _____
2 OF 2

PRELIMINARY

DRAWING NAME: H:\2022\2521 - Oakland Transportation On-Call 2018\009 - Oak 35% Design\LAMMPS\design_CD\2521\009_CD-SIGN&STRIPES.dwg
PLOT DATE: 06-20-22
PLOTTED BY: kdao

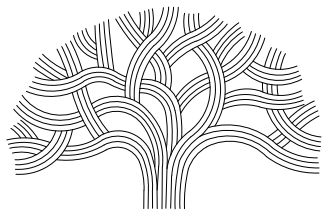


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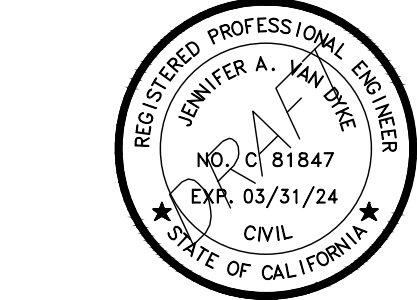
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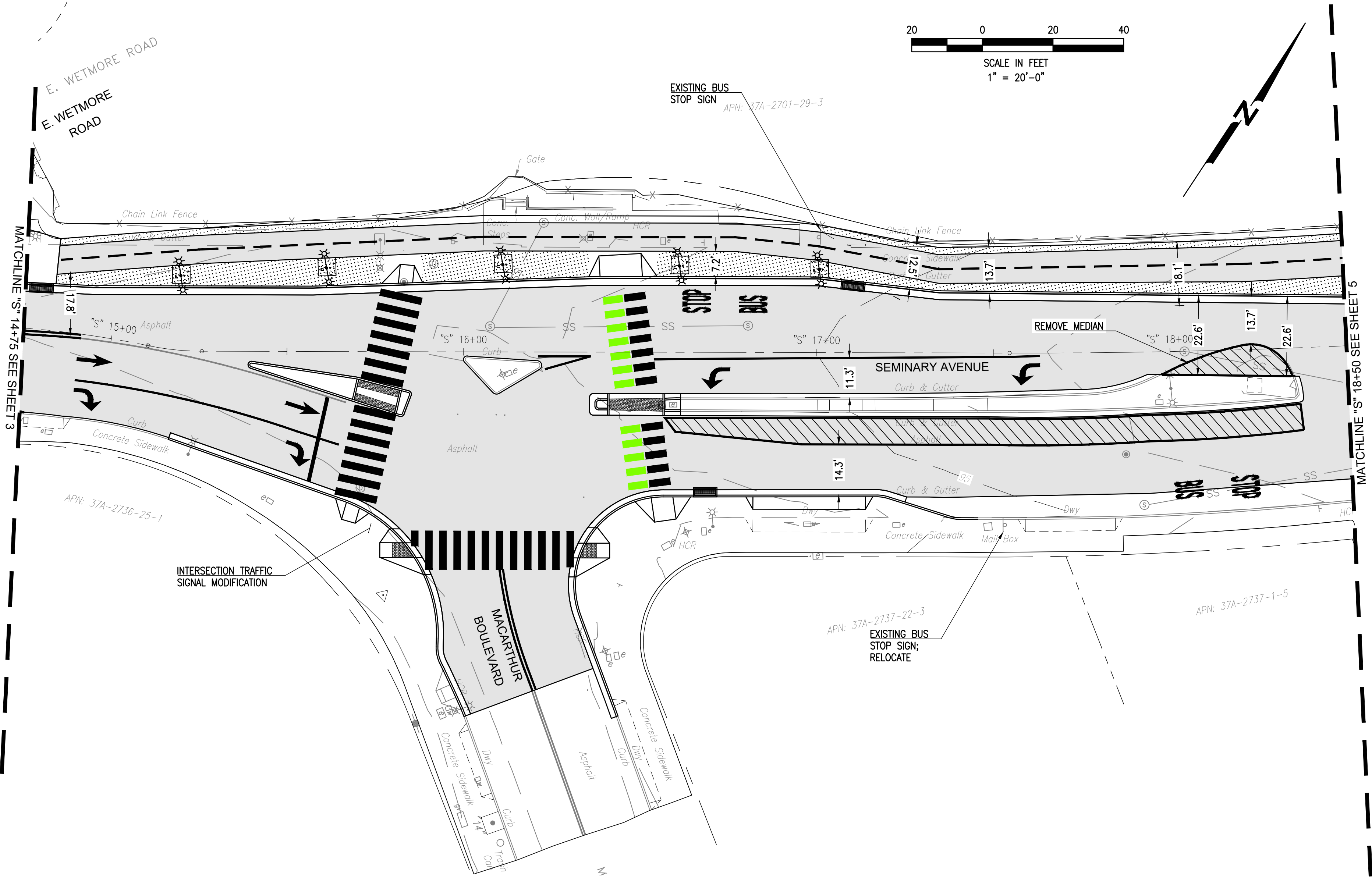
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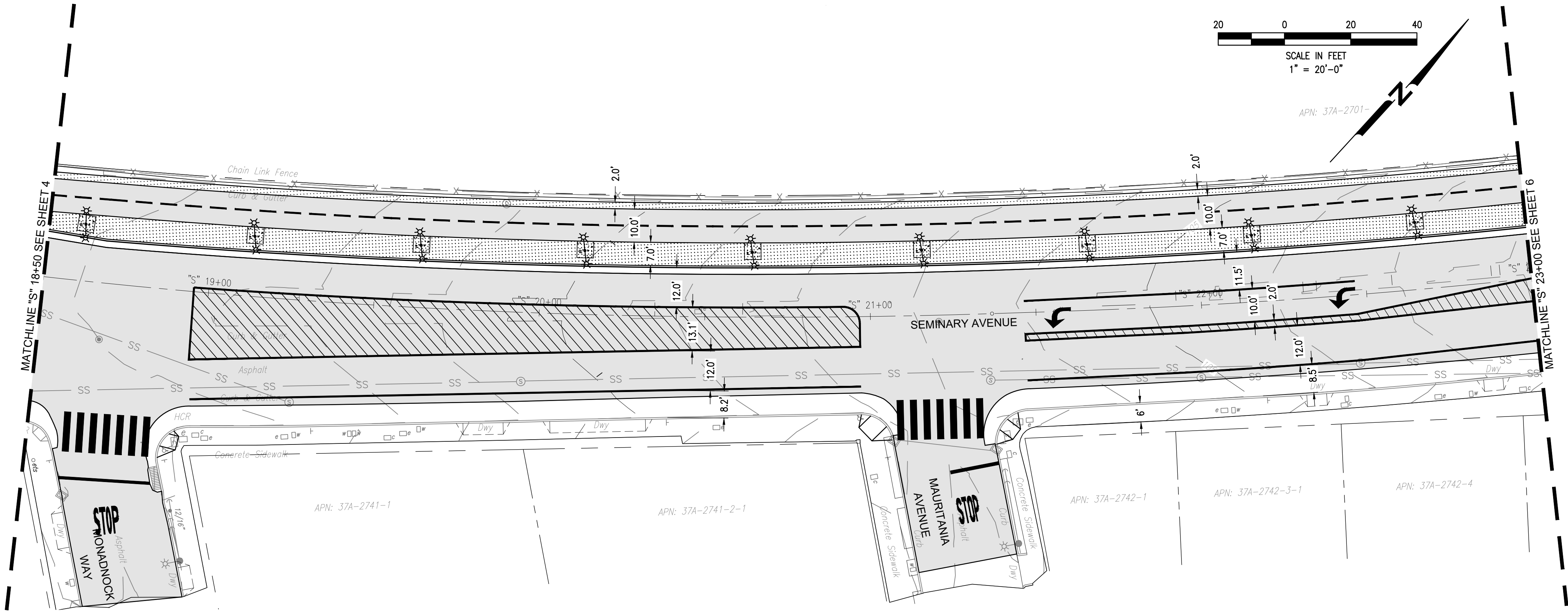
SEMINARY AVENUE 14+50
TO 18+50



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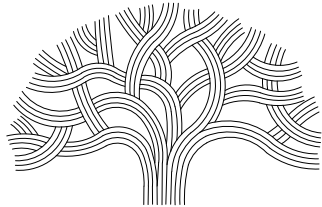
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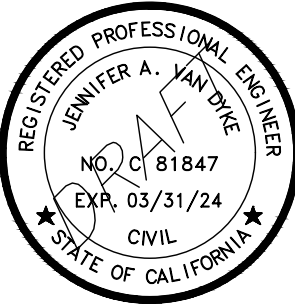
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NO.	DATE	BY	REFERENCE

SEMINARY AVENUE 18+50
TO 23+00



PROJECT NO.

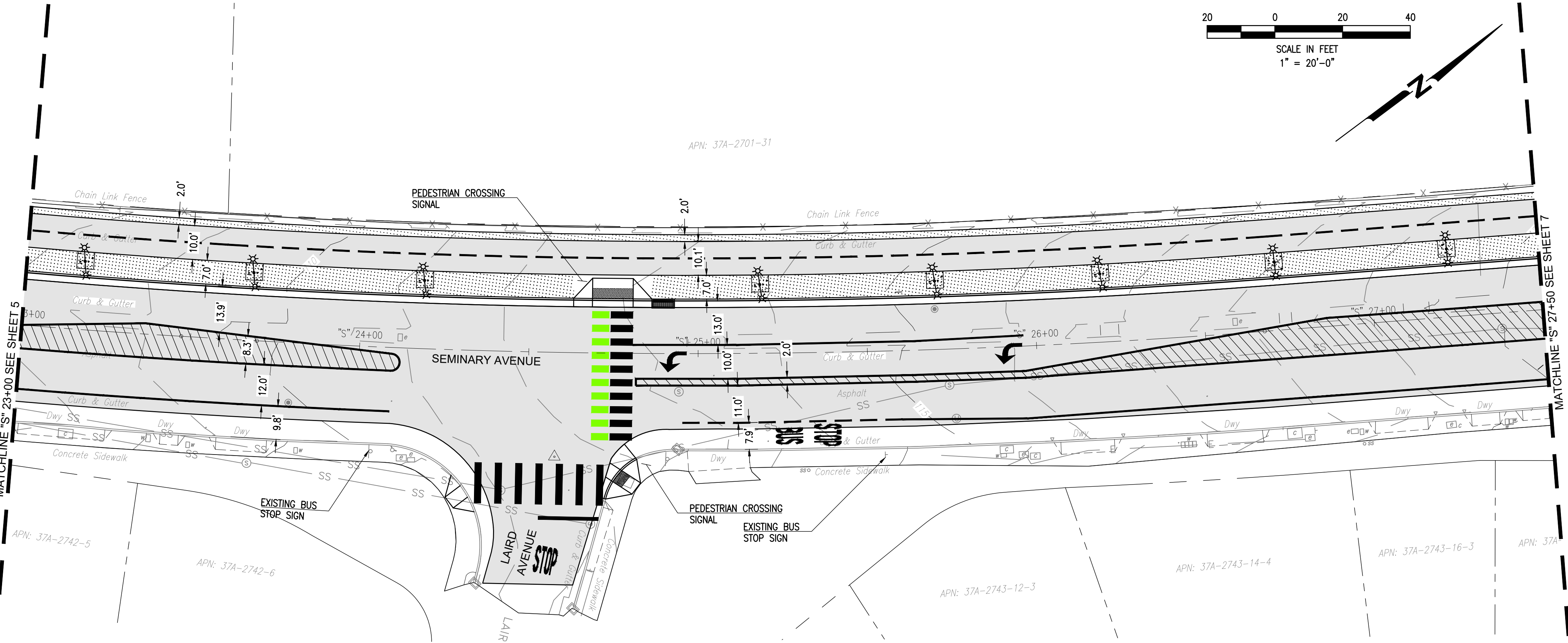
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DATE:
JAN 12 2024

5 OF 12



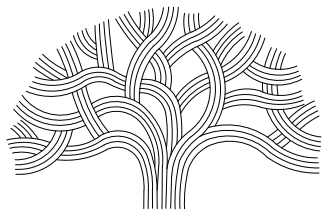
15% REV 1 SUBMITTAL
NOT FOR BID OR CONSTRUCTION



5253 College Ave., Suite B
Oakland, CA. 94618
(510) 250-9189

SEMINARY AVENUE STREETScape DESIGN

CAMDEN STRET TO
SUNNYMERE AVENUE



CITY OF OAKLAND

DEPARTMENT OF TRANSPORTATION
250 FRANK H. OGAWA PLAZA, SUITE 4314 * OAKLAND CA, 94612
(510) 238-3437 * FAX (510) 238-7227

CIVIL ENGINEER
JENNY VAN DYKE, P.E.

RCE NO. C81847

CHECKED BY

DESIGNED BY MG, BV

DRAWN BY AV, MG, ER, BV

NO.	DATE	BY	REFERENCE

SEMINARY AVENUE
23+00 TO 27+50



PROJECT NO.

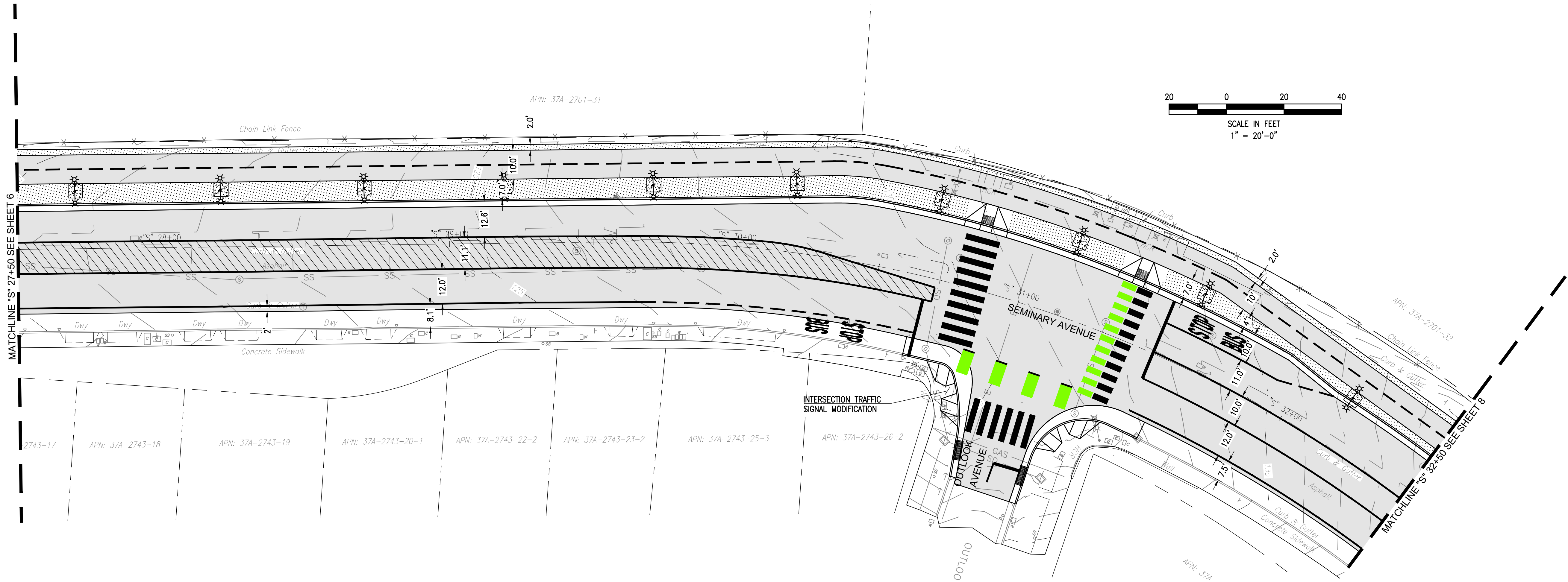
1006516

SCALE:

SHEET NO.

DATE:
JAN 12 2024

6 OF 12



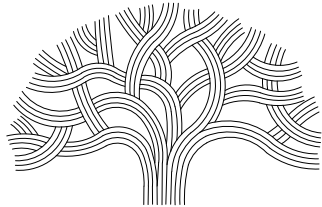
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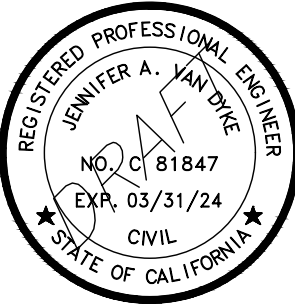
CHECKED BY

DESIGNED BY MG, BV

DRAWN BY AV, MG, ER, BV

NO.	DATE	BY	REFERENCE

SEMINARY AVENUE
27+50 TO 32+00



PROJECT NO.

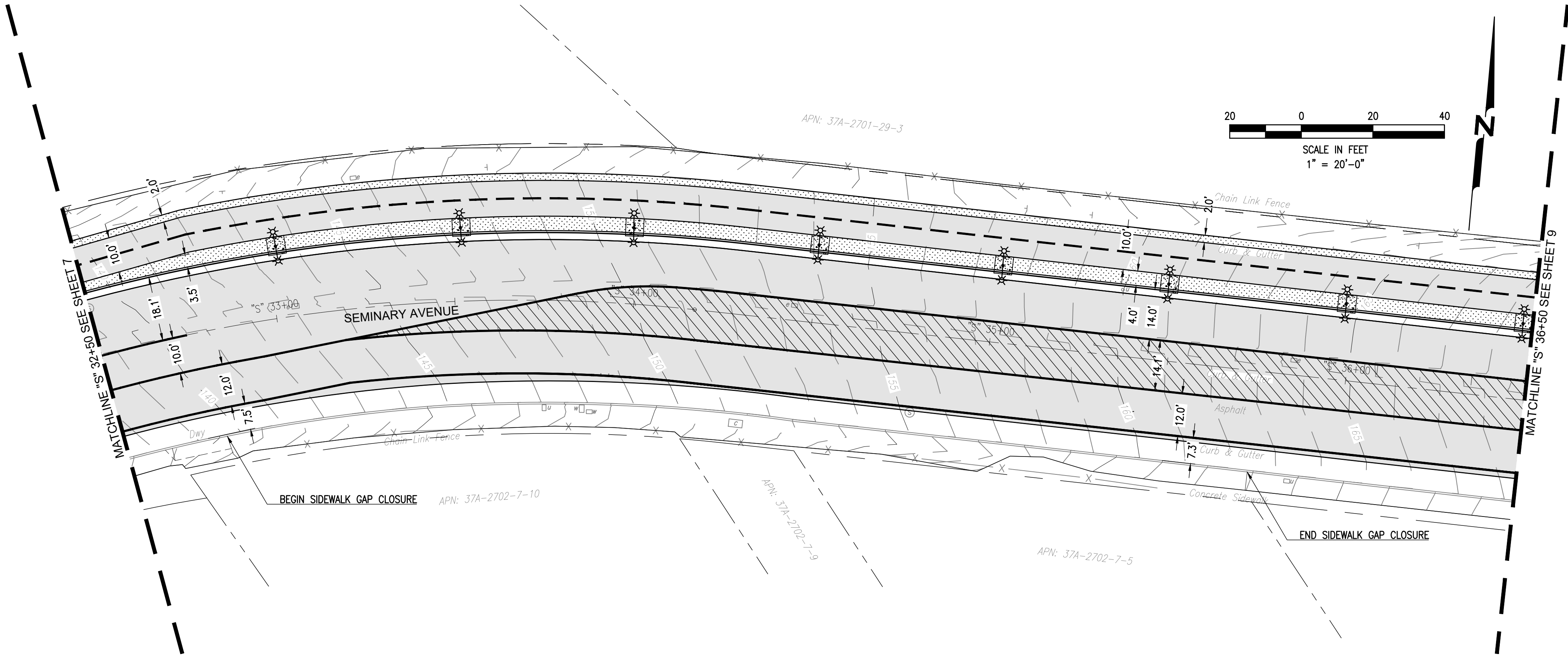
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SCALE:

SHEET NO.

DATE:
JAN 12 2024

7 OF 12



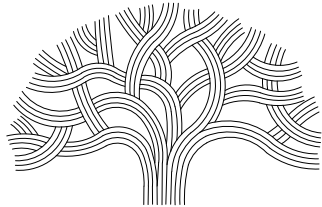
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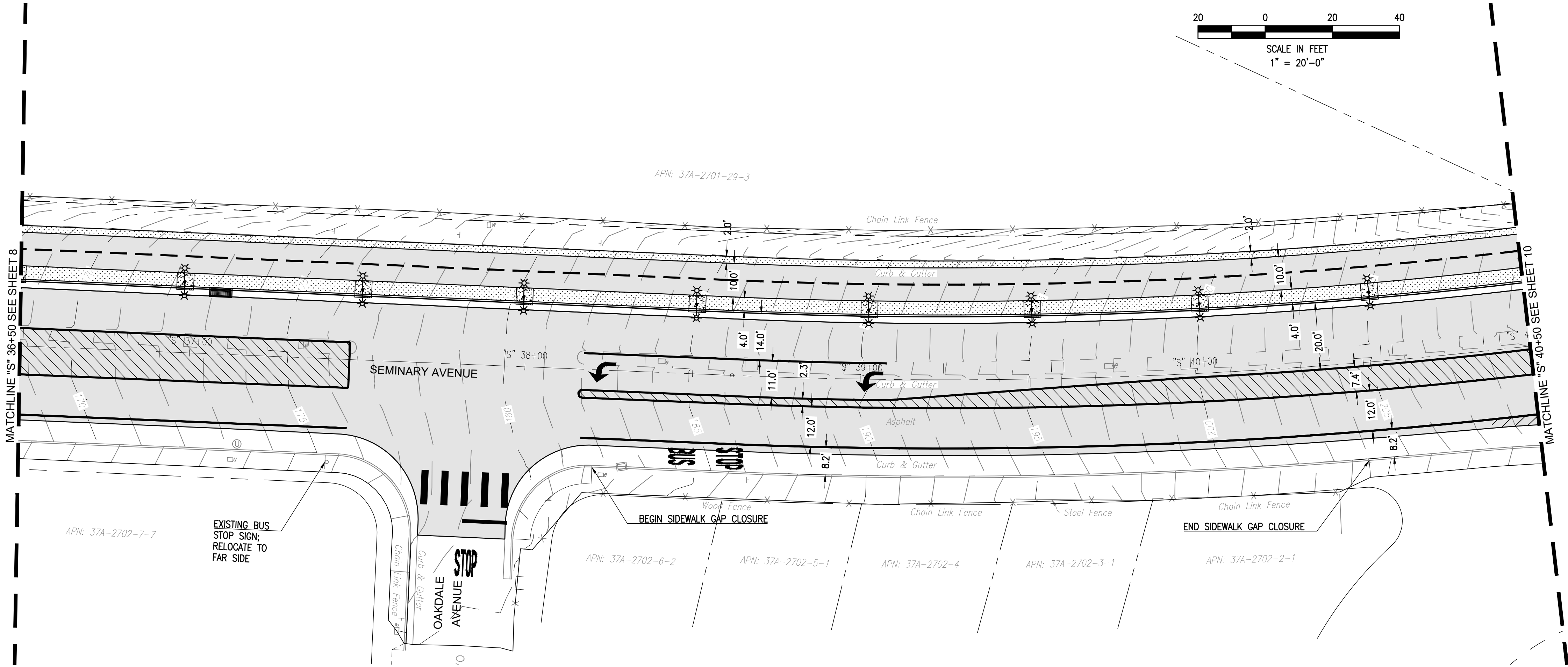
NO.	DATE	BY	REFERENCE

SEMINARY AVENUE
32+00 TO 36+50



PROJECT NO.
1006516

SCALE: SHEET NO.
DATE: JAN 12 2024 **8** OF **12**

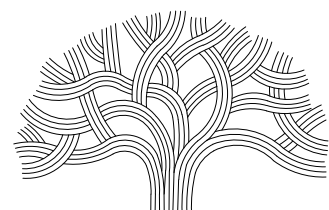


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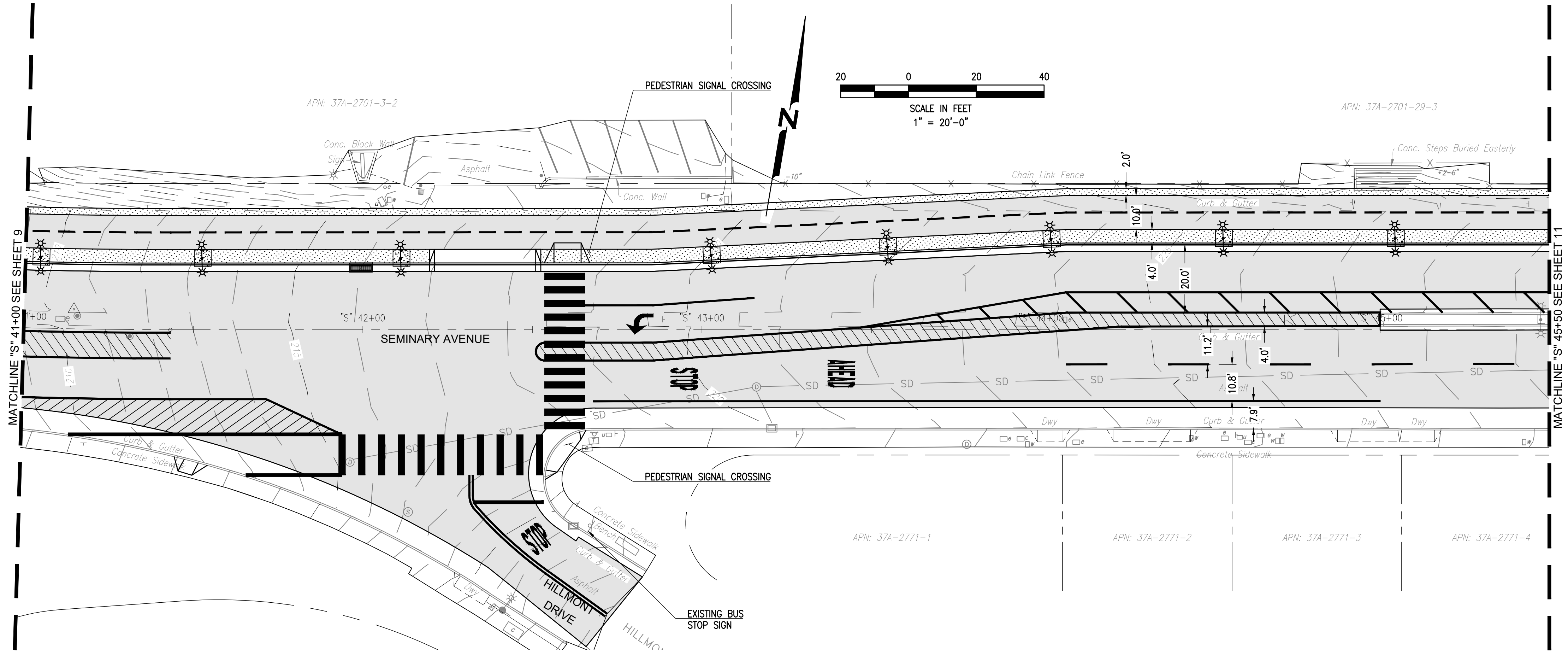
NO.	DATE	BY	REFERENCE

**SEMINARY AVENUE
36+50 TO 41+00**



PROJECT NO.
1006516
SCALE: SHEET NO.
DATE: **JAN 12 2024** **9** OF **12**

DRAWING NAME: P:\Active Projects\Oakland - 6506510-65 Seminary Avenue\CAD Sheets\XX CX - Seminary Avenue 46-00.dwg
PLOT DATE: 01/23/24
PLOTTED BY: MGins

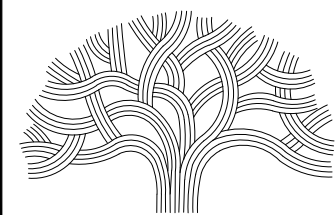


15% REV 1 SUBMITTAL
NOT FOR BID OR CONSTRUCTION

NCE
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SEMINARY AVENUE STREETScape DESIGN

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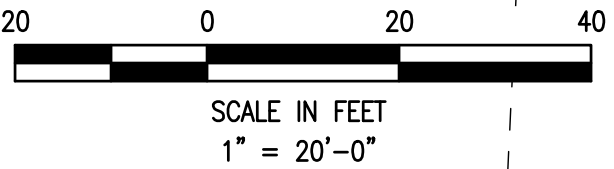
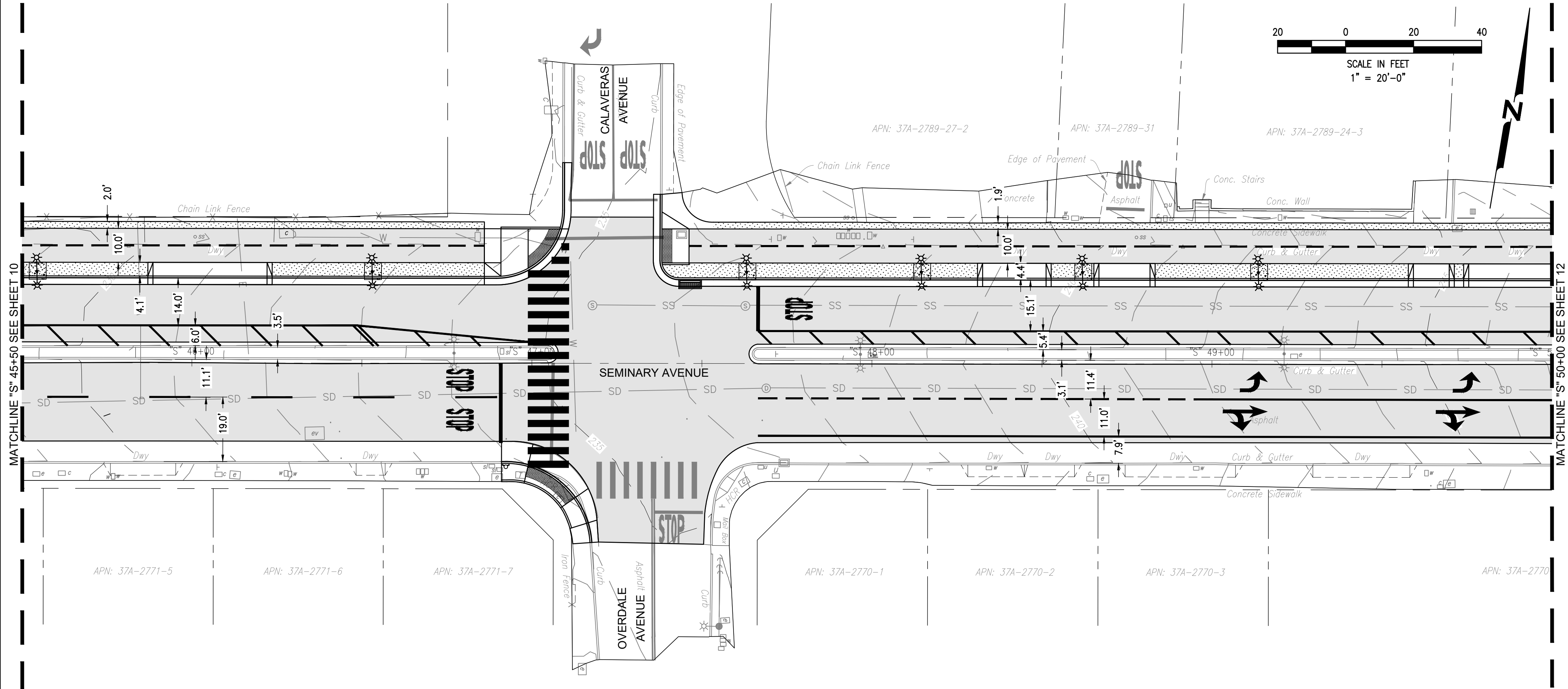
RCE NO. C81847
CHECKED BY
DESIGNED BY MG, BV
DRAWN BY AV, MG, ER, BV

NO.	DATE	BY	REFERENCE

**SEMINARY AVENUE
41+00 TO 45+50**



PROJECT NO.
1006516
SHEET NO.
10 OF **12**
DATE:
JAN 12 2024



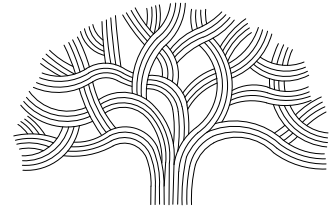
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SEMINARY AVENUE
45+50 TO 50+00



PROJECT NO.
1006516

SCALE: SHEET NO.

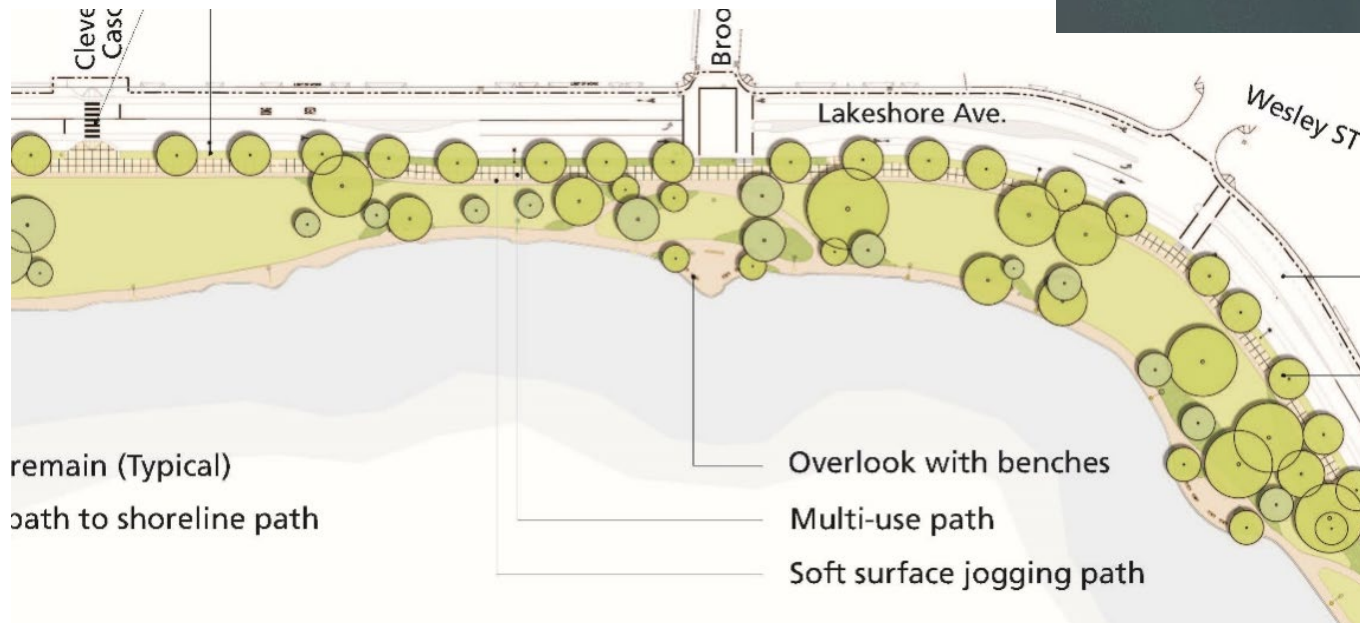
DATE: **JAN 12 2024** **11** OF **12**



Lakeshore Avenue Separated Bike Lanes Project

BPAC Infrastructure Committee
March 7 2024

Background



Lake Merritt Park Improvement Projects **Lakeshore Avenue and El Embarcadero**

SCOPE OF WORK

The park improvement projects include the following:

Lakeshore Avenue will be narrowed from four lanes to two lanes for vehicle traffic and will include six-foot-wide Class 2 bike lanes. A continuous left-turn lane will run down center of the street. The number of on-street parking spaces will remain essentially the same as existing.

Lakeshore Ave is a Destination

“Lake Merritt is Oakland’s crown jewel, a place of extraordinary beauty where everyone feels at home.”

A well-loved spot grew even more popular during the height of the pandemic, bringing issues such as

- Parking availability
- Paid parking
- Congestion
- Road closures
- Vending
- Partying
- Litter
- Gentrification
- Staff resources
- OPD priorities



Tragedy, Urgency

August 6, 2023

Four-year old Maia Correia and her father were bicycling on Lakeshore Ave when a driver opening their door into the bike lane caused them to crash.

Maia subsequently succumbed to her injuries.

Photo Credit: Kuan Butts



Rapid Response

OakDOT developed and installed signs reminding motorists to “check for bikes” before opening car doors per California Vehicle Code 22517

OakDOT is also acquiring stickers and window clings to hand out at outreach events.



Overview of Current Effort

- Separated bike lanes recommended in 2019 Bicycle Plan
- Prioritized for resurfacing in 2022 5-Year Paving Plan
- Coordination with EBMUD pipeline replacement project offers opportunity to deliver paving project sooner

Expected construction year: Expedited from 2027 to 2025

Project Goals:

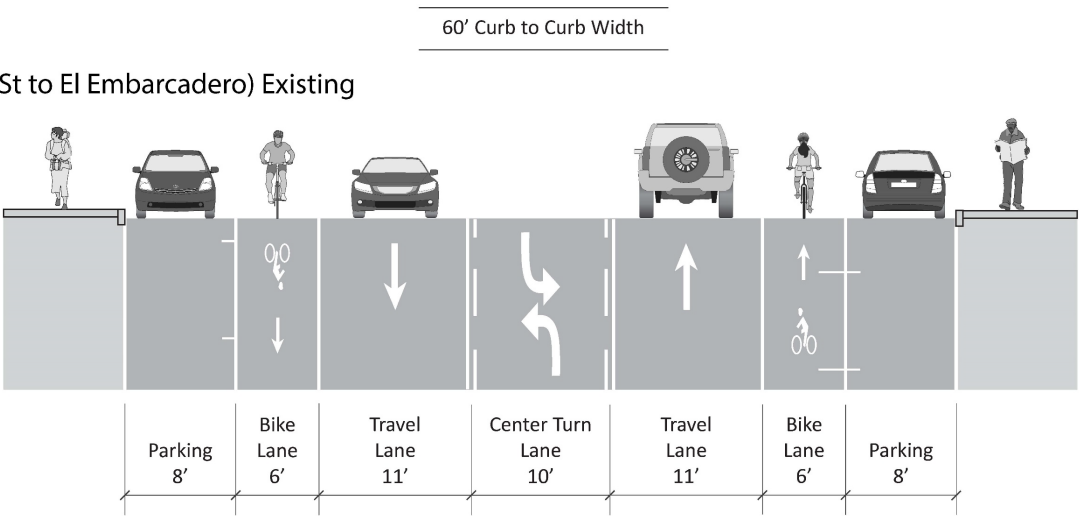
- 3 -> 2 lane road diet (removing continuous TWTL)
- Maintain turn pockets where beneficial
- Two-way separated bike lane on the lake side of roadway
- Improve pedestrian crossings (refuge and corner calming)
- Transit improvements including bus boarding islands
- Minimize impacts to parking & expand accessible parking
- Build a usable useable segment within scope of the near-term paving project

Status: Beginning detailed design

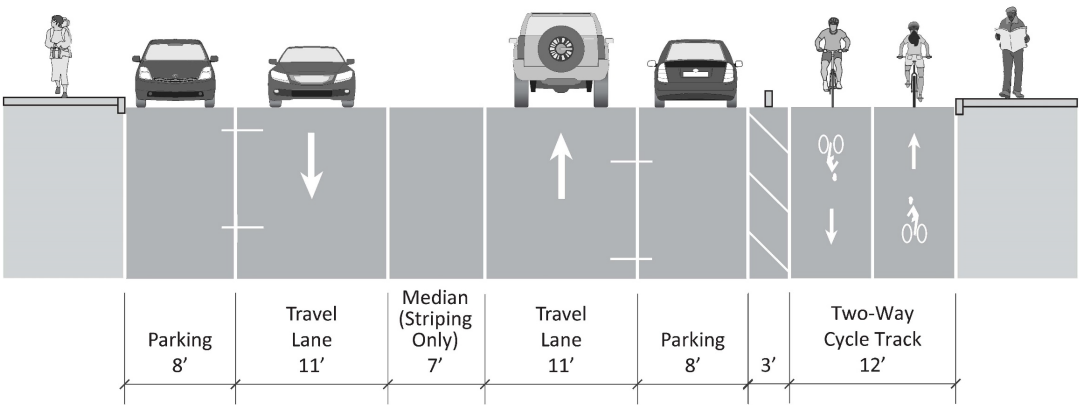


Existing/Proposed Cross-sections

Lakeshore Ave (E 18th St to El Embarcadero) Existing



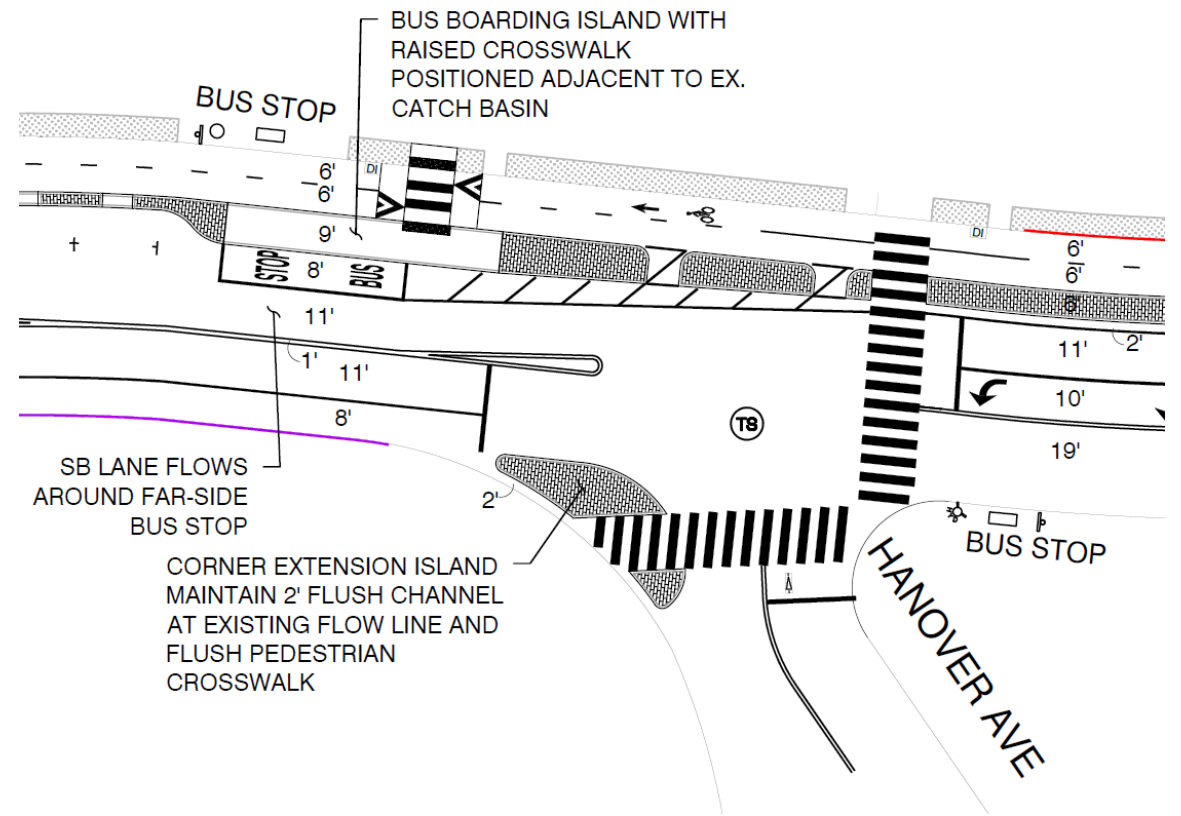
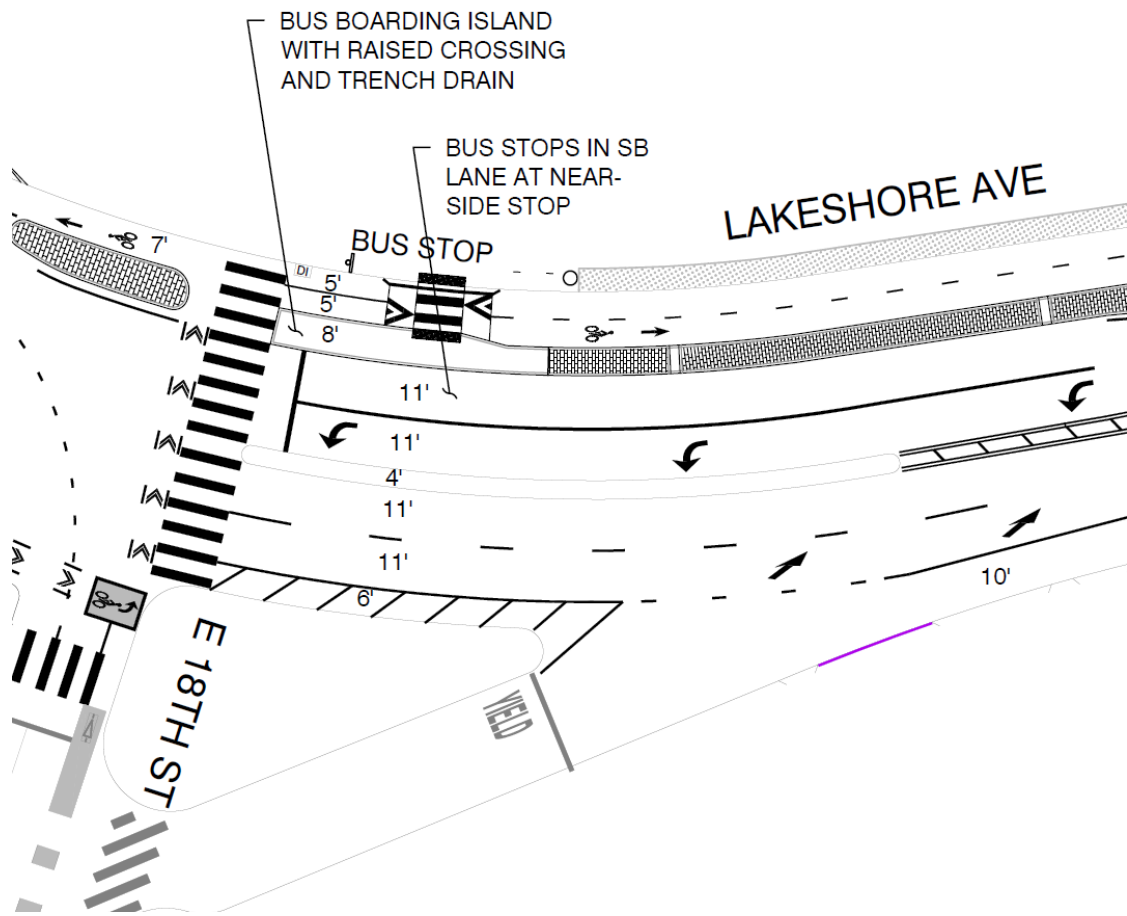
Lakeshore Ave (E 18th St to El Embarcadero) Proposed



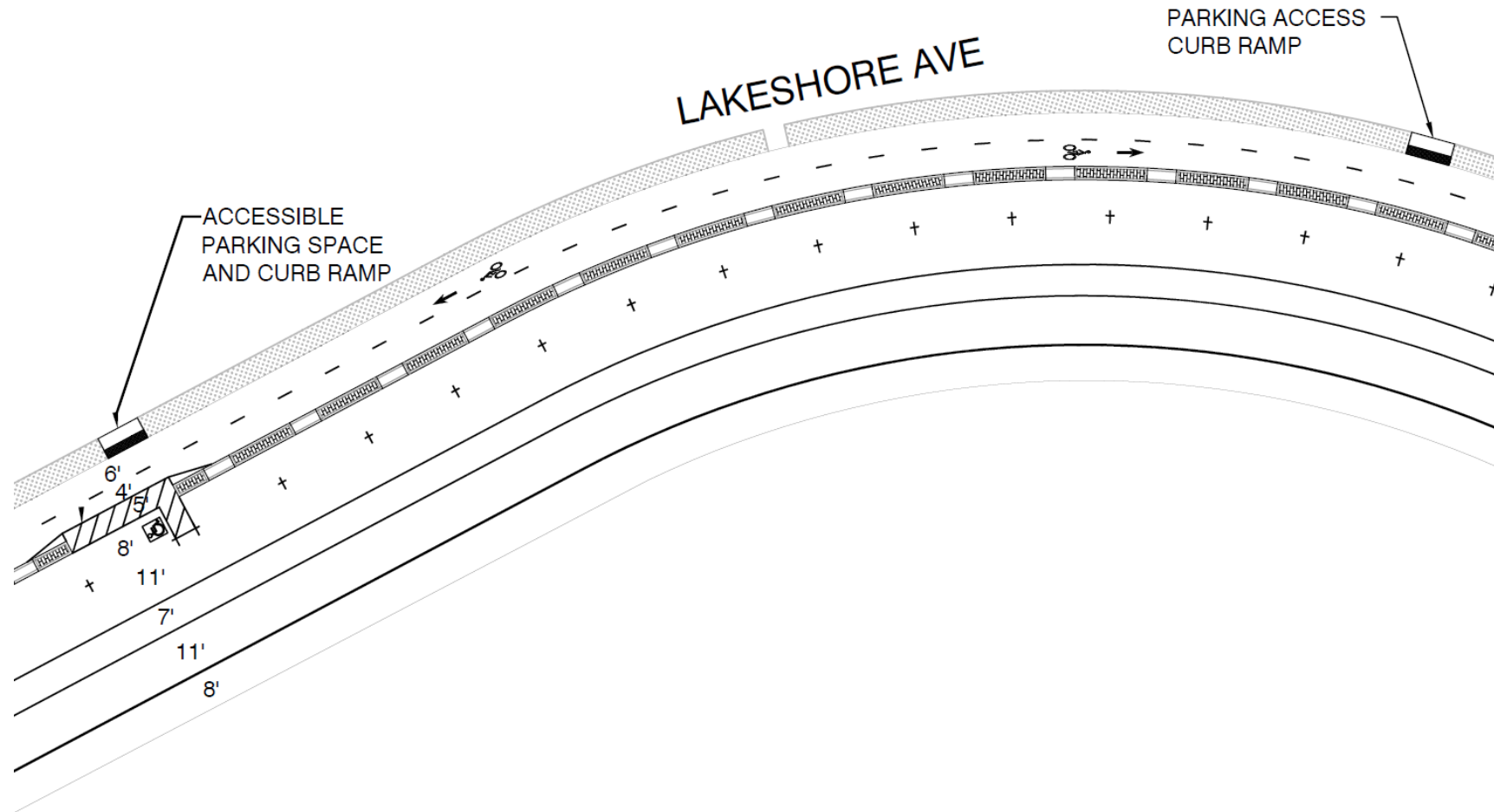
Candidate Treatments



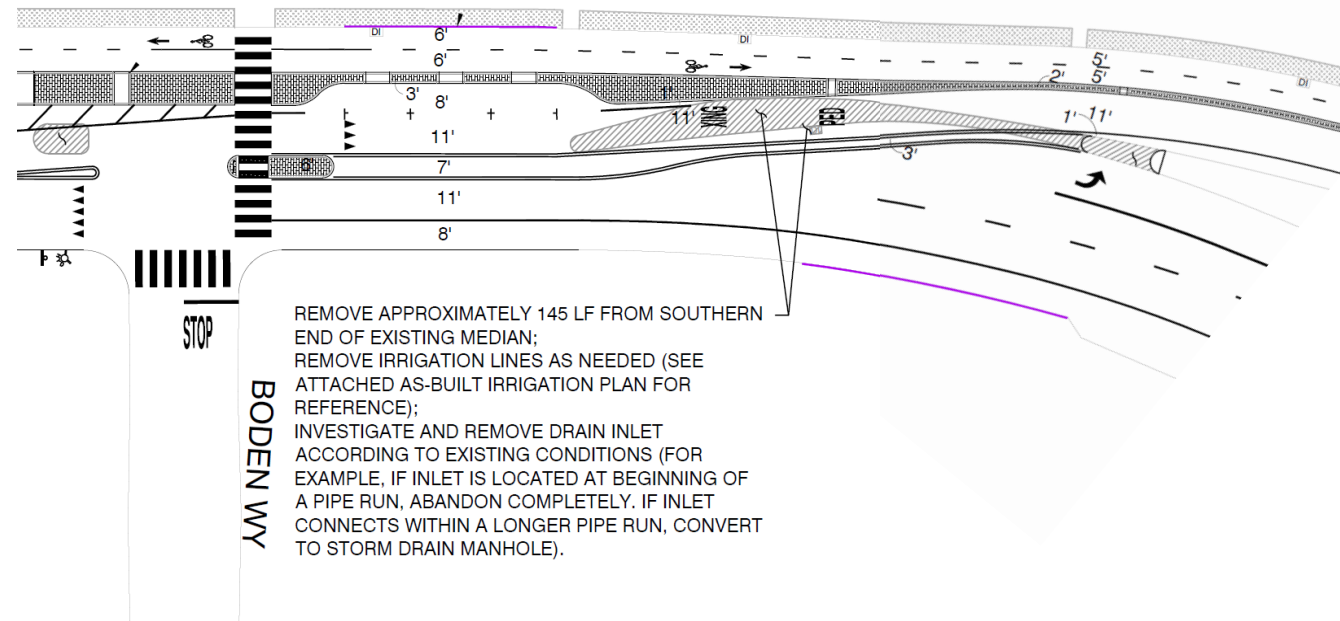
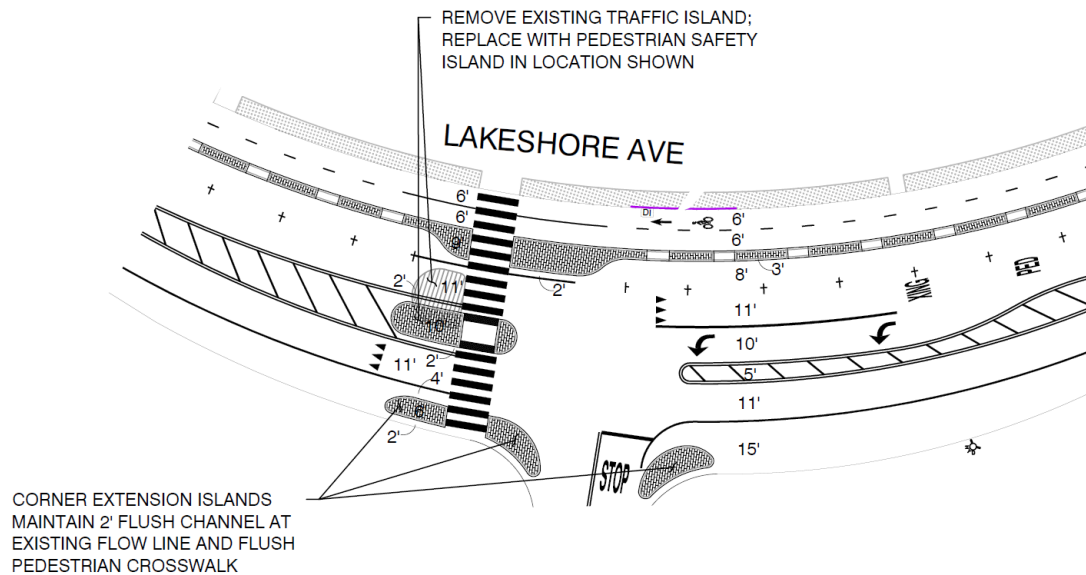
Bus Boarding Islands



Accessible Parking Improvements



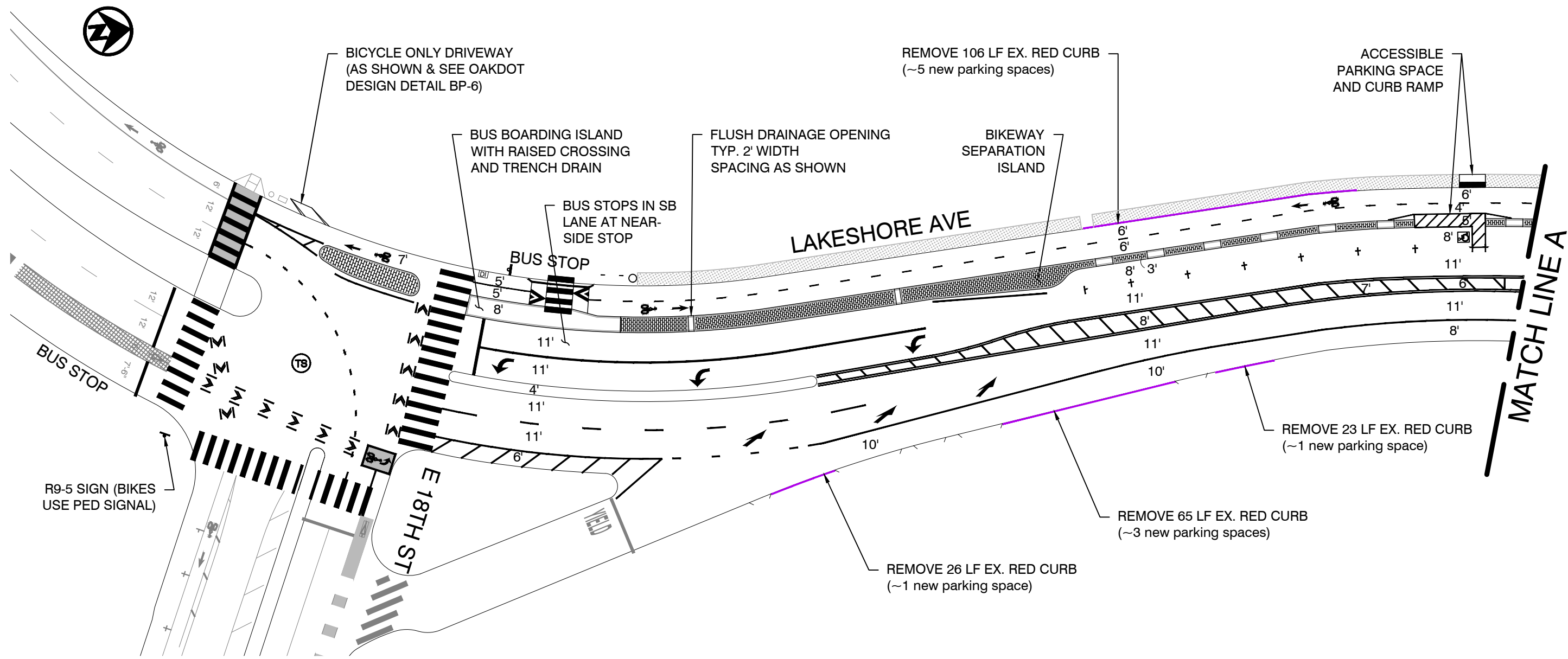
Other Highlights/Challenges





City of Oakland, Department of Transportation
Safe Streets Division, Bicycle & Pedestrian Program

Jason Patton, Senior Transportation Planner
Patrick Phelan, Transportation Planner
David Pené, Transportation Engineer



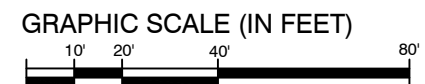
MATCH LINE A

LEGEND:

-  TRAFFIC SIGNAL
-  FIRE HYDRANT
-  DRAIN INLET
-  DRIVEWAY
-  EXISTING PLANTER STRIP
-  REMOVE EXISTING ISLAND
-  PROPOSED ISLAND
-  PROPOSED PEDESTRIAN SAFETY ISLAND
(WITH PASSAGEWAY PER CALTRANS STD. PLAN A88B)

ABBREVIATIONS:

- EX. EXISTING
- TYP. TYPICAL
- SB SOUTHBOUND
- NB NORTHBOUND
- LF LINEAR FEET



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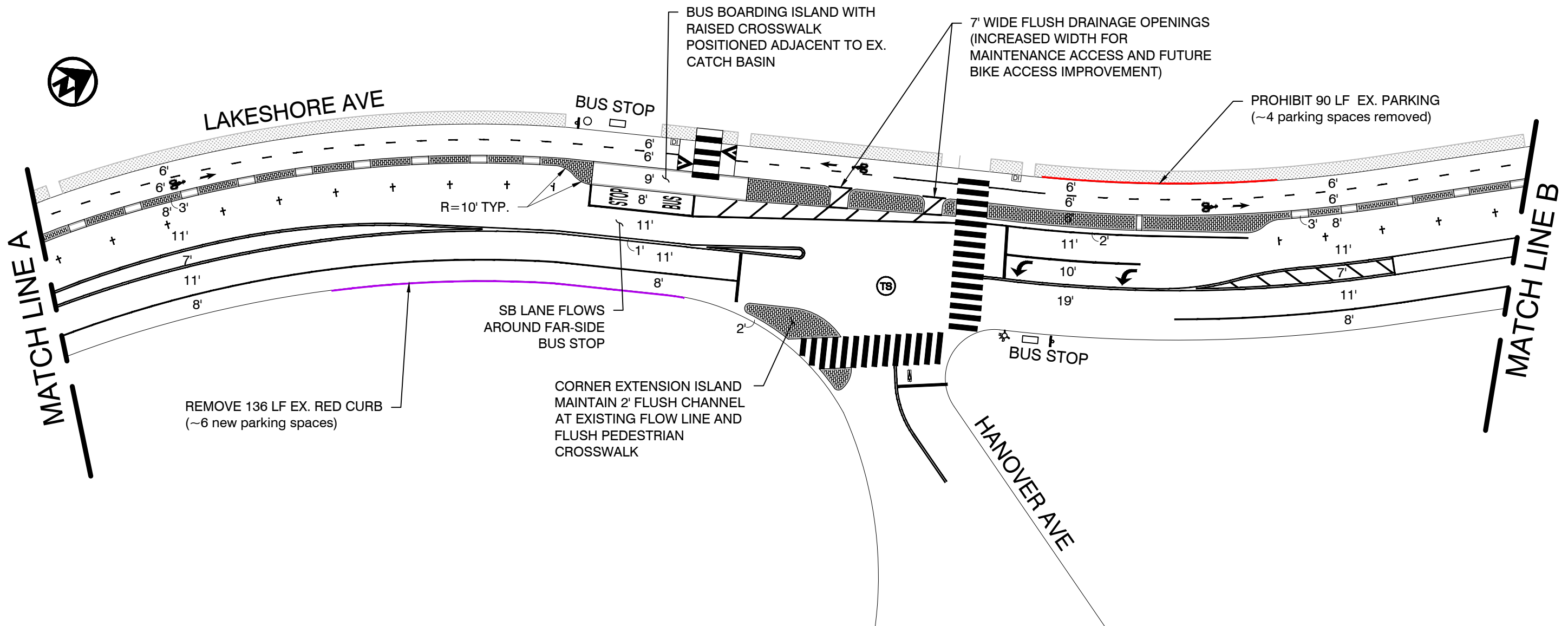
LAKESHORE AVE
E 18TH ST TO EL EMBARCADERO

REVIEWED BY	JASON PATTON	No.	DATE	BY	REFERENCE
DESIGNED BY	JP/DEP				
DRAWN BY	DEP				

CONCEPT PLAN

PROJECT NO.
TBD

SCALE: 1" = 40'
DATE: 10/6/2023
SHEET NO.
01 OF **08**

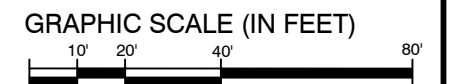


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CONCEPT PLAN

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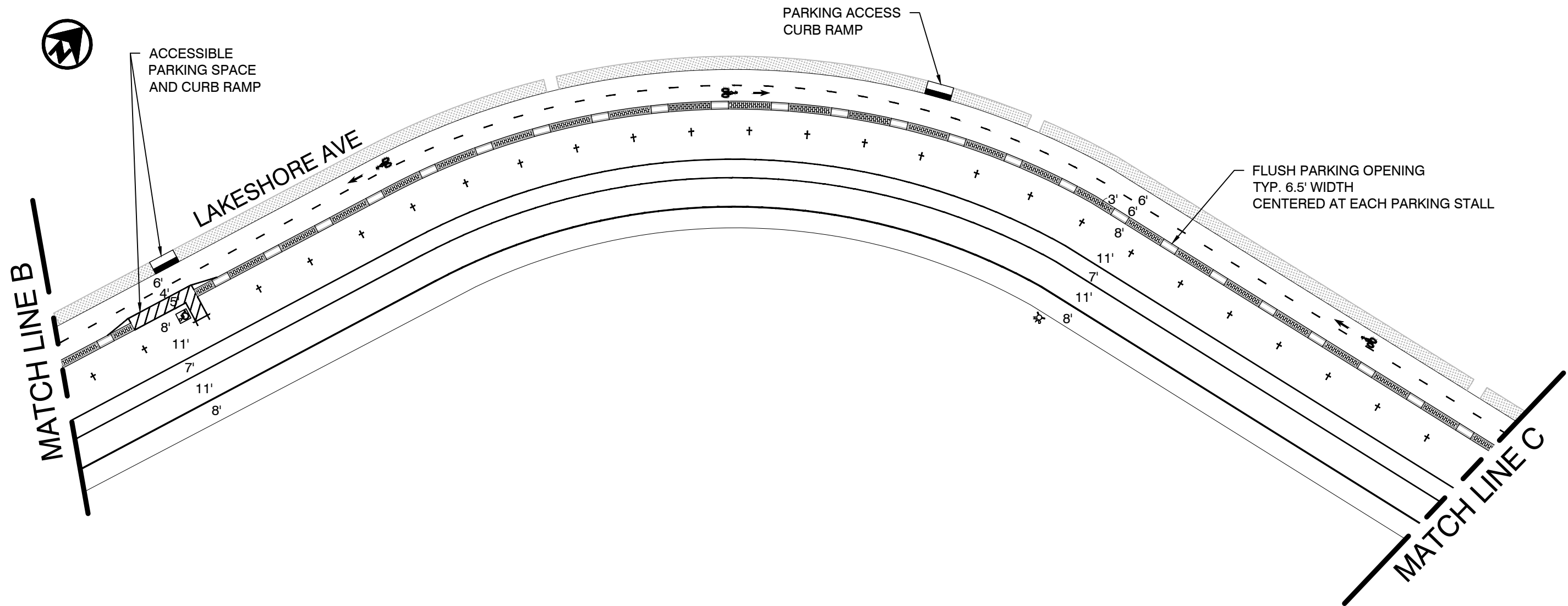
TBD

SCALE: 1" = 40'

SHEET NO.

DATE: 10/6/2023

02 OF 08

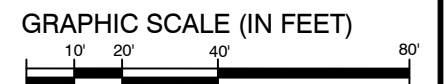


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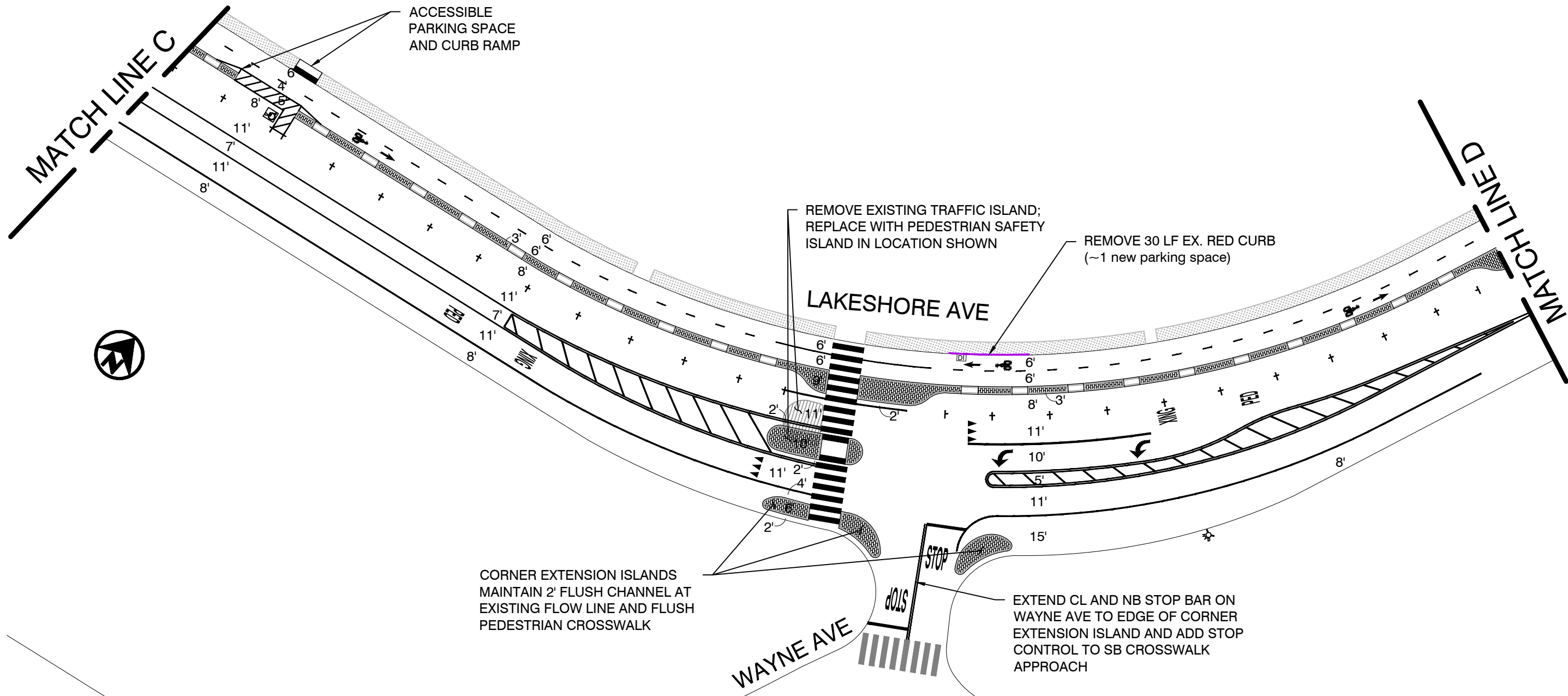
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TBD

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SHEET NO.
03 OF **08**

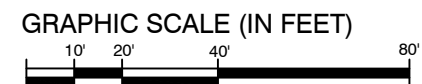


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E 18TH ST TO EL EMBARCADERO**

REVIEWED BY	No.	DATE	BY	REFERENCE
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CONCEPT PLAN

PROJECT NO.

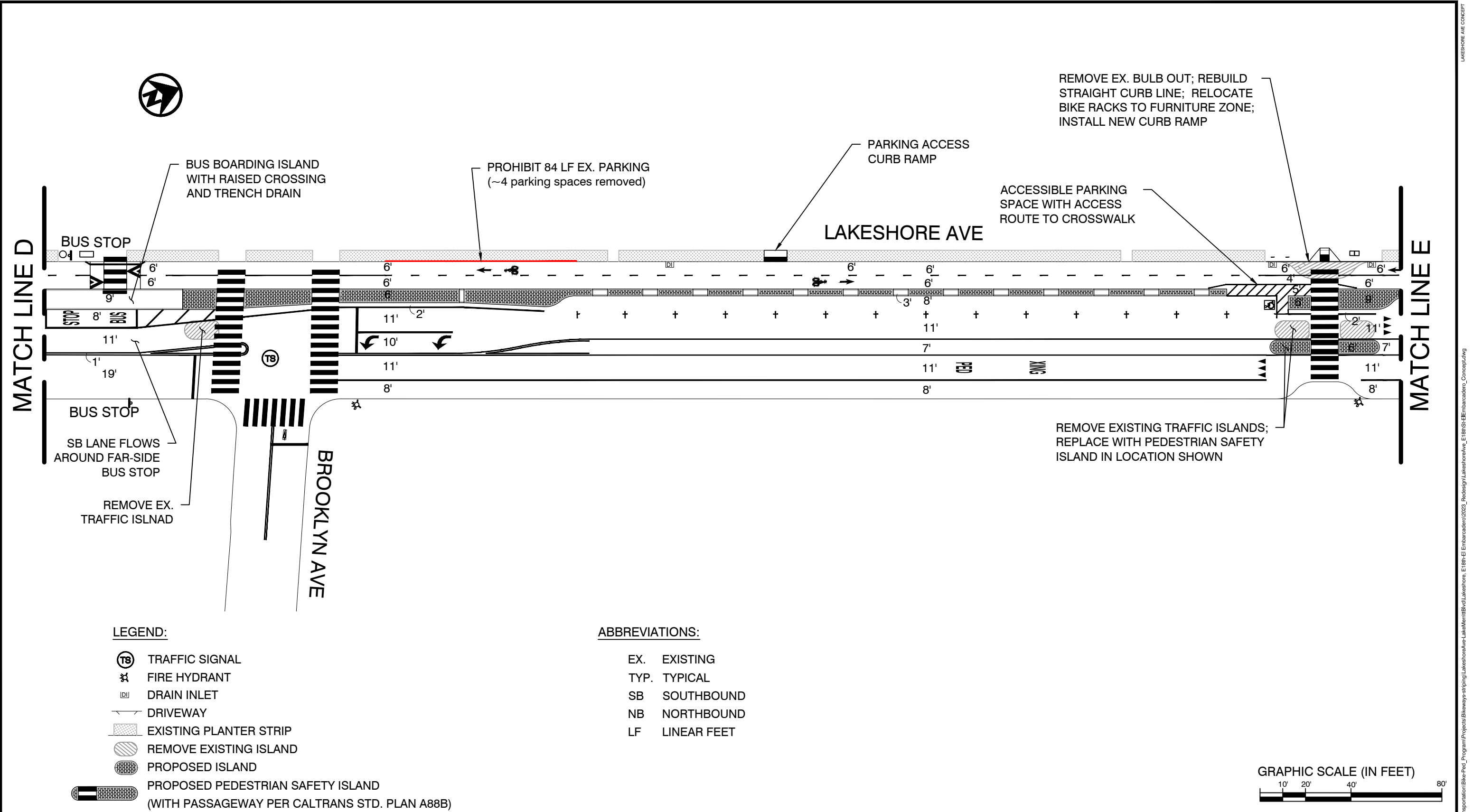
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SCALE: 1" = 40'

SHEET NO.

DATE: 10/6/2023

04 OF **08**

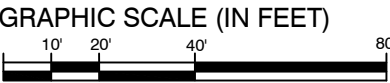


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SCALE: 1" = 40'

SHEET NO.

DATE: 10/6/2023

05 OF 08



MATCH LINE E

MATCH LINE F

PARKING ACCESS
CURB RAMP

REMOVE 14 LF EX. RED CURB

LAKESHORE AVE

BUS STOP

BUS BOARDING ISLAND
WITH RAISED CROSSING
AND TRENCH DRAIN

FLUSH
DRAINAGE
OPENING

REMOVE 58 LF EX. RED CURB
(~3 new spaces)

REMOVE EXISTING TRAFFIC ISLAND;
REPLACE WITH PEDESTRIAN SAFETY
ISLAND IN LOCATION SHOWN AT EX.
CROSSWALK

REMOVE APPROXIMATELY 145 LF FROM SOUTHERN
END OF EXISTING MEDIAN;
REMOVE IRRIGATION LINES AS NEEDED (SEE
ATTACHED AS-BUILT IRRIGATION PLAN FOR
REFERENCE);
INVESTIGATE AND REMOVE DRAIN INLET
ACCORDING TO EXISTING CONDITIONS (FOR
EXAMPLE, IF INLET IS LOCATED AT BEGINNING OF
A PIPE RUN, ABANDON COMPLETELY. IF INLET
CONNECTS WITHIN A LONGER PIPE RUN, CONVERT
TO STORM DRAIN MANHOLE).

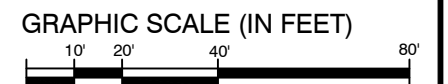
BODEN WY

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DATE: 10/6/2023

SHEET NO.

06 OF 08



R13A (CA) SIGN
(NO RIGHT ON RED)

FLUSH DRAINAGE OPENING
(CONSIDER WIDENING FOR
MAINTENANCE ACCESS
PENDING REVIEW BY OPW)

AS DISCUSSED IN CONCEPT
DESIGN NOTES, CONSIDER
WHETHER REMOVING ADDITIONAL
22 LF OF MEDIAN TO AVOID THE
REDUCED CROSS-SECTION AS
SHOWN IS WORTH THE
ADDITIONAL WORK SCOPE

PROPOSED BICYCLE CIRCULATION IN THIS VICINITY IS BASED
ON EXISTING CONFIGURATION OF EL EMBARCADERO AND
ASSUMED PROJECT SCOPE. STRIPING, SIGNAGE, AND
GEOMETRY MAY BE REVISED BASED ON ADJACENT PROJECTS

R9-5 SIGN (BIKES
USE PED SIGNAL)

R10-15MOD SIGN (RIGHT
TURNING VEHICLES YIELD TO
BIKES/PEDS)

REMOVE 130 LF EX. RED CURB
(~6 new parking spaces)

LAKESHORE AVE

MATCH LINE G

CONCEPT PLAN ASSUMES THE
PROJECT WILL NOT PAVE THIS
BLOCK. ALL PROPOSED STRIPING
IS FOR SB CONFORM

R1-5 (YIELD HERE
TO PEDS) SIGN

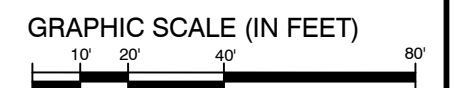
REMOVE 76 LF EX. RED CURB
(~3 new parking spaces)

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LAKESHORE AVE
E 18TH ST TO EL EMBARCADERO

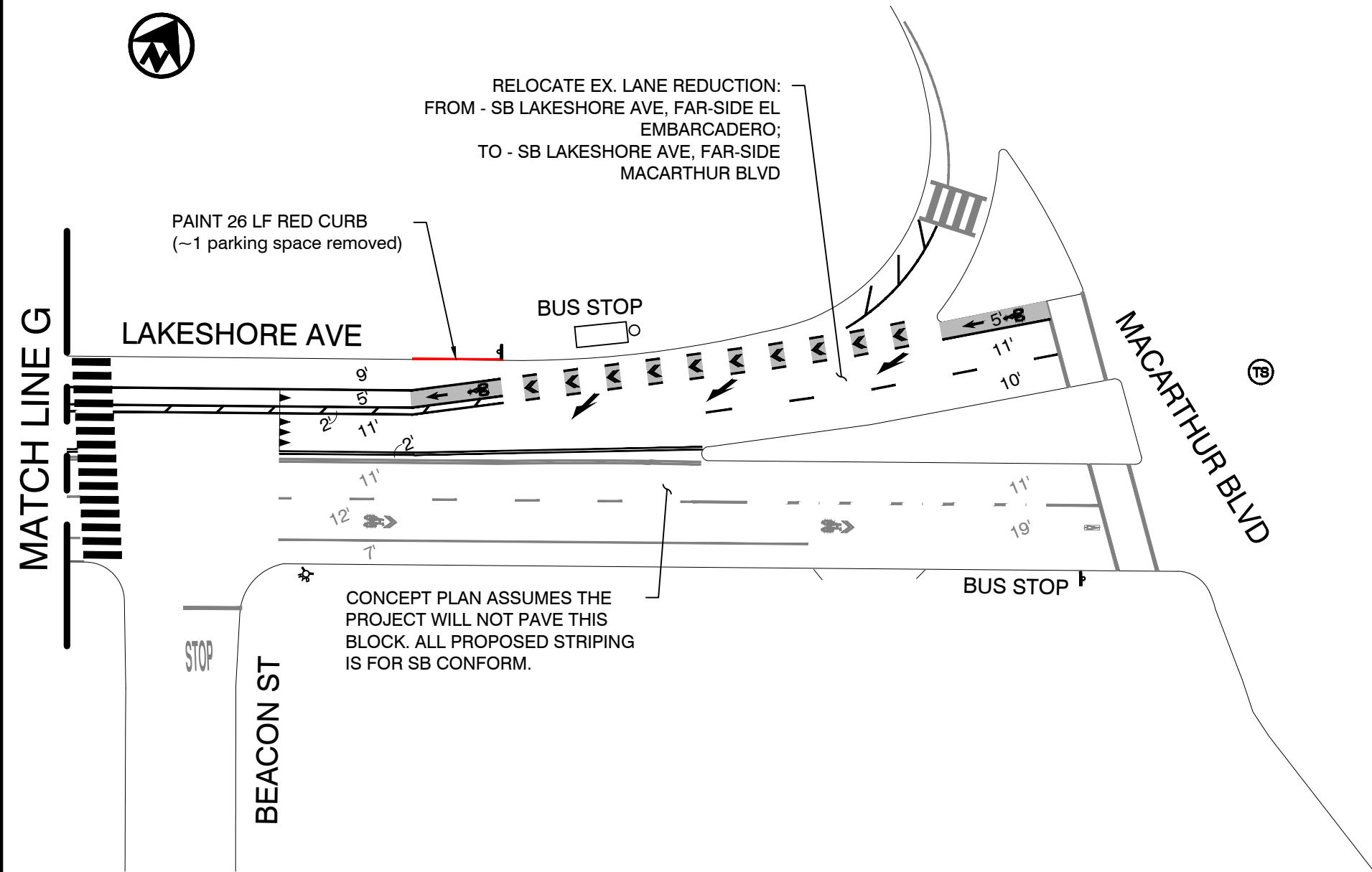
REVIEWED BY	JASON PATTON
DESIGNED BY	JP/DEP
DRAWN BY	DEP

No.	DATE	BY	REFERENCE

CONCEPT PLAN

PROJECT NO.
TBD

SCALE: 1" = 40'	SHEET NO.
DATE: 10/6/2023	07 OF 08



LEGEND:

- (TS) TRAFFIC SIGNAL
- FIRE HYDRANT
- DRAIN INLET
- DRIVEWAY
- EXISTING PLANTER STRIP
- REMOVE EXISTING ISLAND
- PROPOSED ISLAND
- PROPOSED PEDESTRIAN SAFETY ISLAND
(WITH PASSAGEWAY PER CALTRANS STD. PLAN A88B)

ABBREVIATIONS:

- EX. EXISTING
- TYP. TYPICAL
- SB SOUTHBOUND
- NB NORTHBOUND
- LF LINEAR FEET

GRAPHIC SCALE (IN FEET)



CITY OF OAKLAND

DEPARTMENT OF TRANSPORTATION | SAFE STREETS DIVISION
BICYCLE & PEDESTRIAN PROGRAM
250 FRANK H. OGAWA PLAZA, SUITE 4314 • OAKLAND CA, 94612
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