

**THE INTERSECTION IMPROVEMENTS AT
NORBRIDGE AVENUE AND STROBRIDGE AVENUE
IN THE VICINITY OF INTERSTATE 580
ALAMEDA COUNTY, CALIFORNIA
SPECIFICATION NO. 2445**

This addendum is issued by the County of Alameda, Public Works Agency, Construction and Development Services Department, 399 Elmhurst Street, Hayward, CA 94544.

TO ALL PROSPECTIVE BIDDERS for the above project, notice is hereby given that the following changes, modifications, corrections, clarifications, and additions as hereinafter set forth shall apply to the plans and specifications described herein and shall be made part thereof and subject to all requirements as if originally specified or drawn.

Receipt of this Addendum No. 3 must be acknowledged on the form in the bid proposal in writing.

GENERAL

Responses to Bidders' inquiries can be viewed at the following Public Works' website:

[Additional Bidder Information | Doing Business with Us | ACPWA Alameda County Public Works Agency](#)

This document will be continuously updated. It is the contractor's responsibility to check for updates.

CHANGES TO BID BOOK

1. Replace page BB-1b Addendum No. 2 with page BB-1b Addendum No. 3
2. Replace pages BB-1c and BB-1d with pages BB-1c Addendum No. 3 and BB-1d Addendum No. 3

CHANGES TO PLANS

1. Replace the following Plan Sheets as shown in the table below:

PLAN SHEET	REPLACE WITH	PLAN SHEET	REPLACE WITH
05	05A	29	29A
09	09A	30	30A
10	10A	31	31A
16	16A	36	36A
17	17A	37	37A
24	24A	40	40A
27	27A	41	41A
28	28A		

No .	Sec	Bid Item Description	Qty	Unit	Unit Cost	Total Cost
22*	19	ROADWAY EXCAVATION	700	CYS	\$	\$
23	20	PLANT (GROUND COVER & SHRUBS – 1 GAL)	44	EA	\$	\$
24	20	PLANT (GROUND COVER & SHRUBS – 5 GAL)	12	EA	\$	\$
25	20	BIORETENTION MULCH (3" DEPTH)	120	SF	\$	\$
26*	26	CLASS 2 AGGREGATE BASE	245	CY	\$	\$
27	37	SLURRY SEAL, TYPE II	13	TN	\$	\$
28	37	CRACK SEAL	1	LS	\$	\$
29	39	HOT MIX ASPHALT PLUG	236	TN	\$	\$
30	39	HOT MIX ASPHALT DRIVEWAY CONFORM (3")	450	SF	\$	\$
31	39	HOT MIX ASPHALT – LOW VOLUME (HMA-LV)	1,355	TN	\$	\$
32	39	COLD PLANE ASPHALT CONCRETE PAVEMENT	5,990	SY	\$	\$
33	51	STRUCTURAL CONCRETE, BIORETENTION WALL	204	LF	\$	\$
34	51	STRUCTURAL CONCRETE, BIORETENTION LATERAL BRACING	70	LF	\$	\$
35	51	STRUCTURAL CONCRETE, DRAINAGE INLET	1	EA	\$	\$
36	51	MINOR CONCRETE (CURB WALL)	41 130	LF	\$	\$
37	65	12" REINFORCED CONCRETE PIPE	50	LF	\$	\$
38	65	18" REINFORCED CONCRETE PIPE	37	LF	\$	\$
39	65	4" PERFORATED PLASTIC PIPE UNDERDRAIN	60	LF	\$	\$
40	66	4" PLASTIC PIPE CLEANOUT	2	EA	\$	\$
41	66	6" PLASTIC PIPE	14	LF	\$	\$
42	68	CLASS 2 PERMEABLE BASE	17	CY	\$	\$
43	68	BIORETENTION SOIL MIX	25	CY	\$	\$

*Contingent item under section 2-1.09B

Spec 2445 Intersection Improvements at Norbridge Ave and Strobridge Ave

No .	Sec	Bid Item Description	Qty	Unit	Unit Cost	Total Cost
44	71	BIORETENTION AREA OVERFLOW DRAIN	2	EA	\$	\$
45	71	MODIFY INLET TO MANHOLE	2	EA	\$	\$
46*	71	ADJUST MANHOLE FRAME AND COVER (CVSD)	2	EA	\$	\$
47	71	ADJUST MANHOLE FRAME AND COVER (STORM DRAIN)	1	EA	\$	\$
48*	71	ADJUST MANHOLE FRAME AND COVER (LAVWMA)	3	EA	\$	\$
49*	71	ADJUST UTILITY COVER TO GRADE	8	EA	\$	\$
50	73	MINOR CONCRETE (ISLAND CURB)	460 650	LF	\$	\$
51	73	MINOR CONCRETE (CURB AND GUTTER)	1,385	LF	\$	\$
52	73	MINOR CONCRETE (DEEPENED CURB AND GUTTER)	70	LF	\$	\$
53	73	MINOR CONCRETE (CURB – MISC)	25	LF	\$	\$
54	73	MINOR CONCRETE (DRIVEWAY & DRIVEWAY CONFORM)	1,465	SF	\$	\$
55	73	MINOR CONCRETE (SIDEWALK & WALKWAY CONFORM)	6,650	SF	\$	\$
56	73	MINOR CONCRETE (THICKENED SIDEWALK EDGE)	985	SF	\$	\$
57*	73	MINOR CONCRETE (ISLAND PAVING)	6,291 6,620	SF	\$	\$
58*	73	MINOR CONCRETE (CURB RAMP)	954	SF	\$	\$
59	73	FURNISH AND INSTALL PERMEABLE PAVERS (INCLUDING BASE LAYERS)	340	SF	\$	\$
60	78	PAINT CURB (2 COAT)	177	LF	\$	\$
61	82	REMOVE AND SALVAGE ROAD SIGN AND POST	17 20	EA	\$	\$
62	82	REMOVE AND SALVAGE SIGN (SIGN ONLY) NOT USED	0 2	EA	\$	\$
63	82	INSTALL ROADSIDE SIGNS AND POST	19 44	EA	\$	\$
64	82	INSTALL ROADSIDE SIGN ON EXISTING POST	8 7	EA	\$	\$

*Contingent item under section 2-1.09B

Spec 2445 Intersection Improvements at Norbridge Ave and Strobridge Ave

No .	Sec	Bid Item Description	Qty	Unit	Unit Cost	Total Cost
65	82	RELOCATE ROADSIDE SIGN – ONE POST	12 40	EA	\$	\$
66	84	REMOVE THERMOPLASTIC TRAFFIC STRIPES, PAVEMENT MARKINGS, AND PAVEMENT MARKERS	1	LS	\$	\$
67	84	THERMOPLASTIC PAVEMENT MARKING (ENHANCED WET-NIGHT VISIBILITY)	1,908 1,968	SF	\$	\$
68	84	THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET-NIGHT VISIBILITY)	7,908 7,836	LF	\$	\$
69	84	THERMOPLASTIC GREEN BIKE LANE MARKING (ENHANCED WET-NIGHT VISIBILITY)	1,352	SF	\$	\$
70	81	PAVEMENT MARKER (RETROREFLECTIVE)	188 494	EA	\$	\$
71*	87	INDUCTIVE LOOP DETECTOR	4	EA	\$	\$
72	87	TRAFFIC SIGNAL MODIFICATION (CASTRO VALLEY BLVD/STROBRIDGE AVE/JOHN DR)	1	LS	\$	\$
73	87	TRAFFIC SIGNAL MODIFICATION (CASTRO VALLEY BLVD/NORBRIDGE AVE/STANTON AVE)	1	LS	\$	\$
74	20	PLANT ESTABLISHMENT WORK (3 YEARS)	1	LS	\$	\$
75	22	FINISHING ROADWAY	1	LS	\$	\$

Total Bid: _____ **Dollars \$** _____
(in words)

The prices bid include furnishing the resources and activities required to complete the work. Payment is full compensation for furnishing the resources and activities as described under section [9-1.03](#).

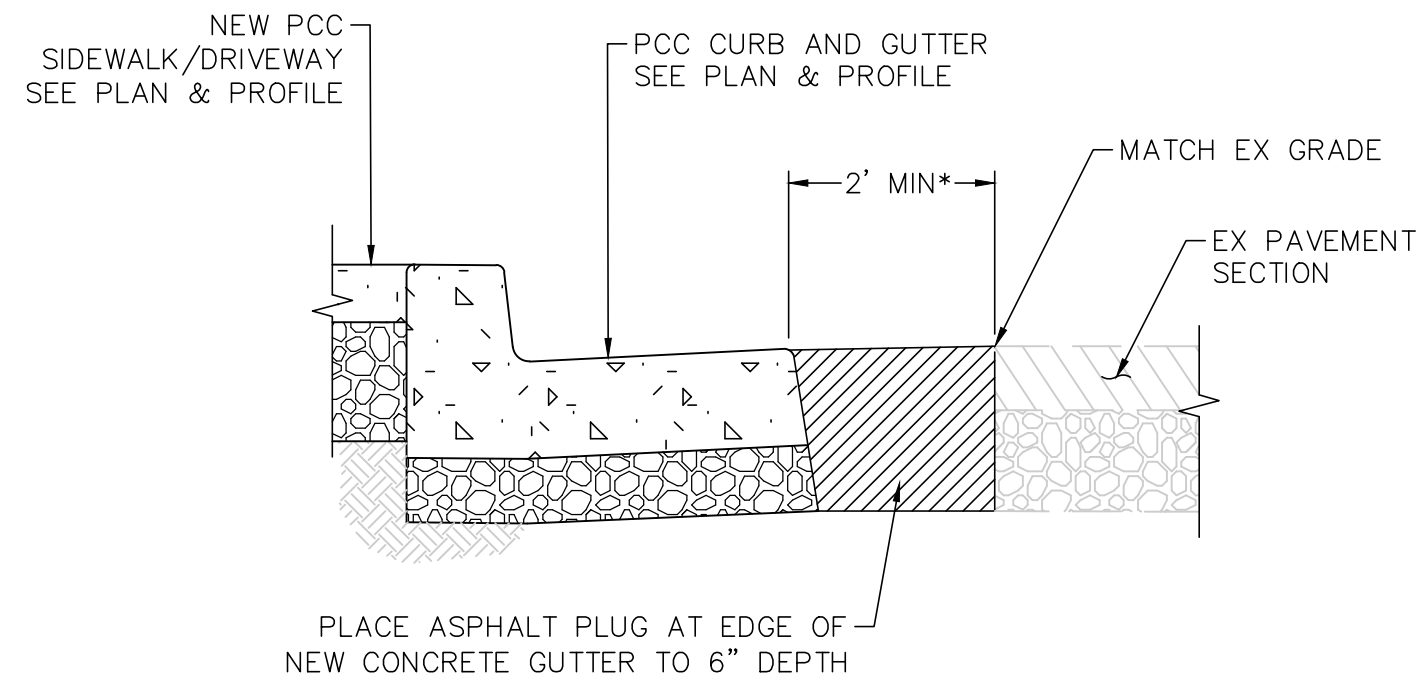
Section numbers are provided for convenience only. Specifications found under the referenced sections are not the only specification that apply to the Bid Item as described under section [1-1.01](#).

*Contingent item under section 2-1.09B

Spec 2445 Intersection Improvements at Norbridge Ave and Strobridge Ave

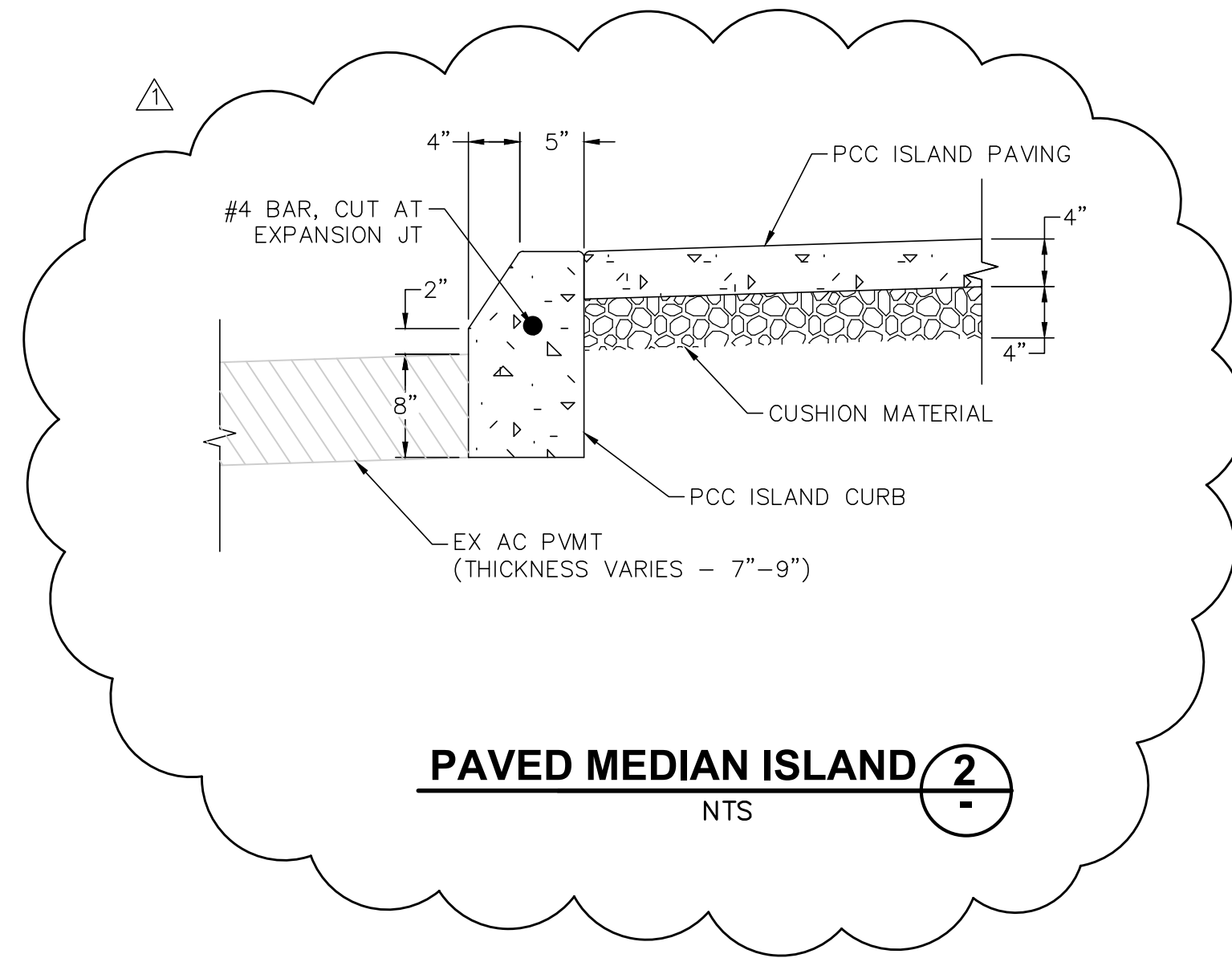
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CONSTRUCTION	TRAFFIC	ENVIRONMENTAL	

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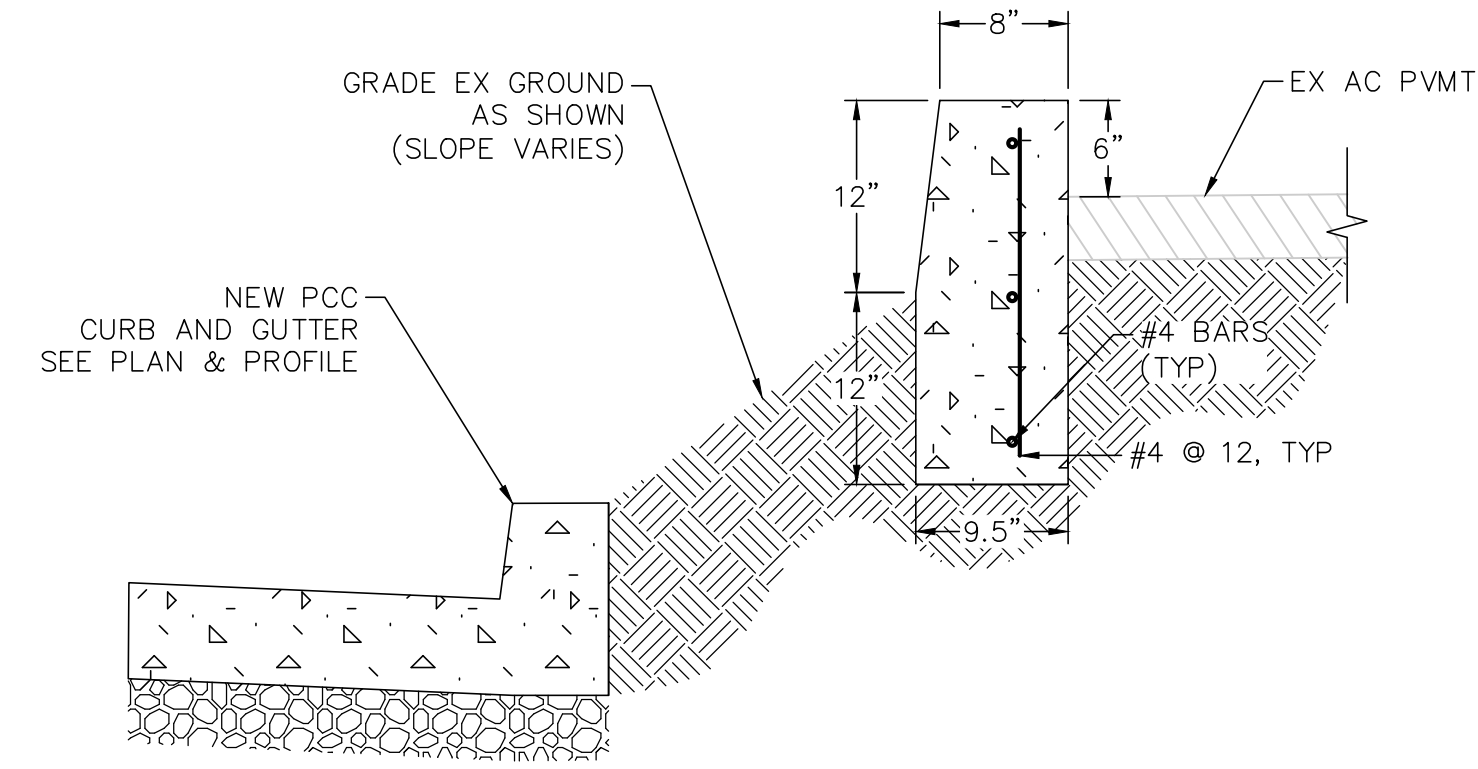


6" HMA PLUG ①
NTS

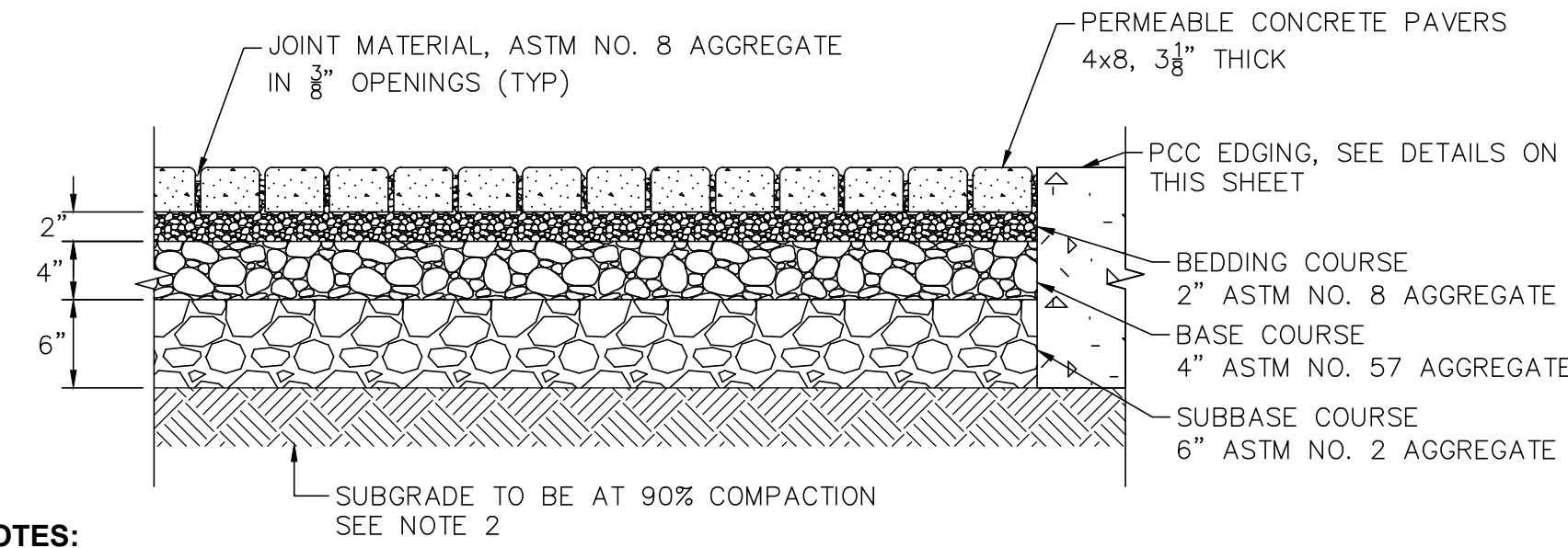
*SEE PAVING PLAN FOR LIMITS



PAVED MEDIAN ISLAND ②
NTS



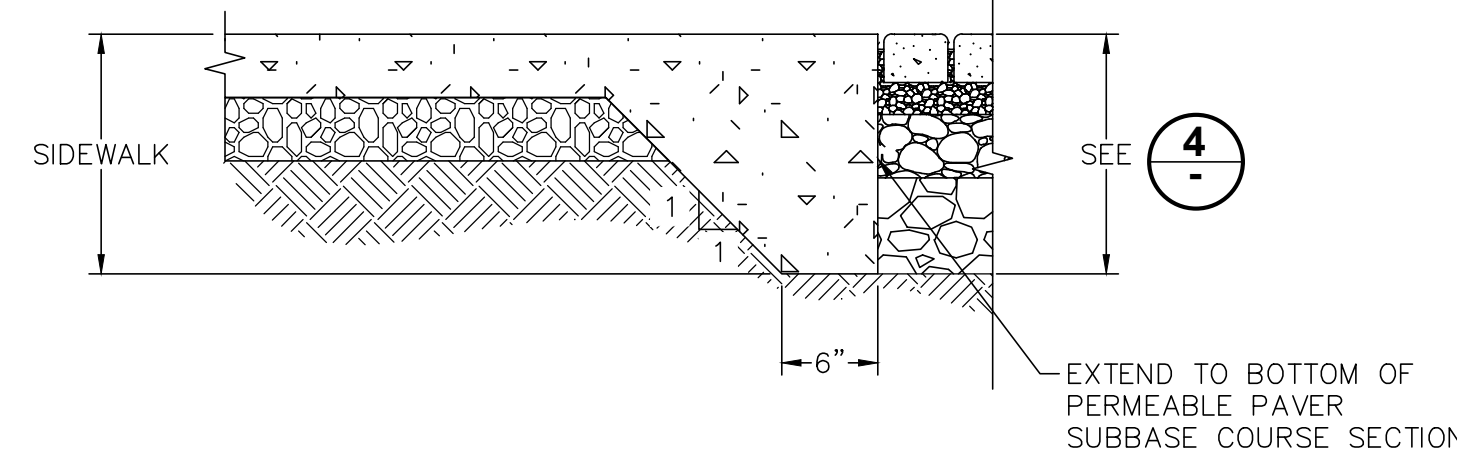
PCC WALL ③
NTS



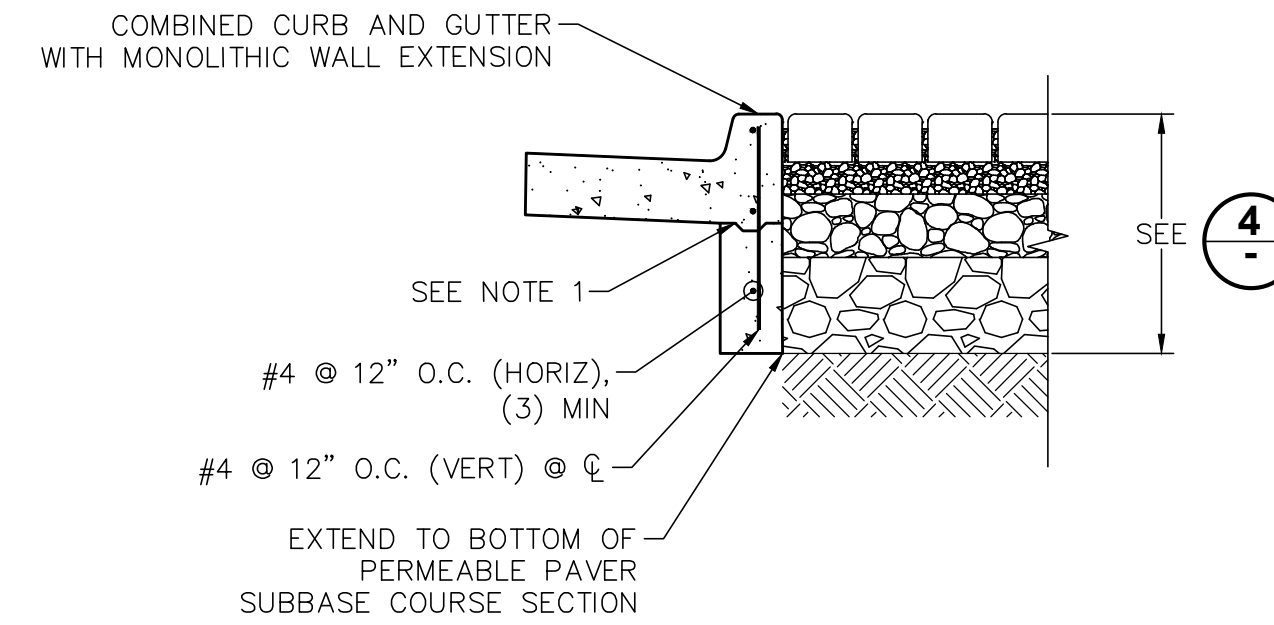
PERMEABLE PAVERS ④
NTS

NOTES:

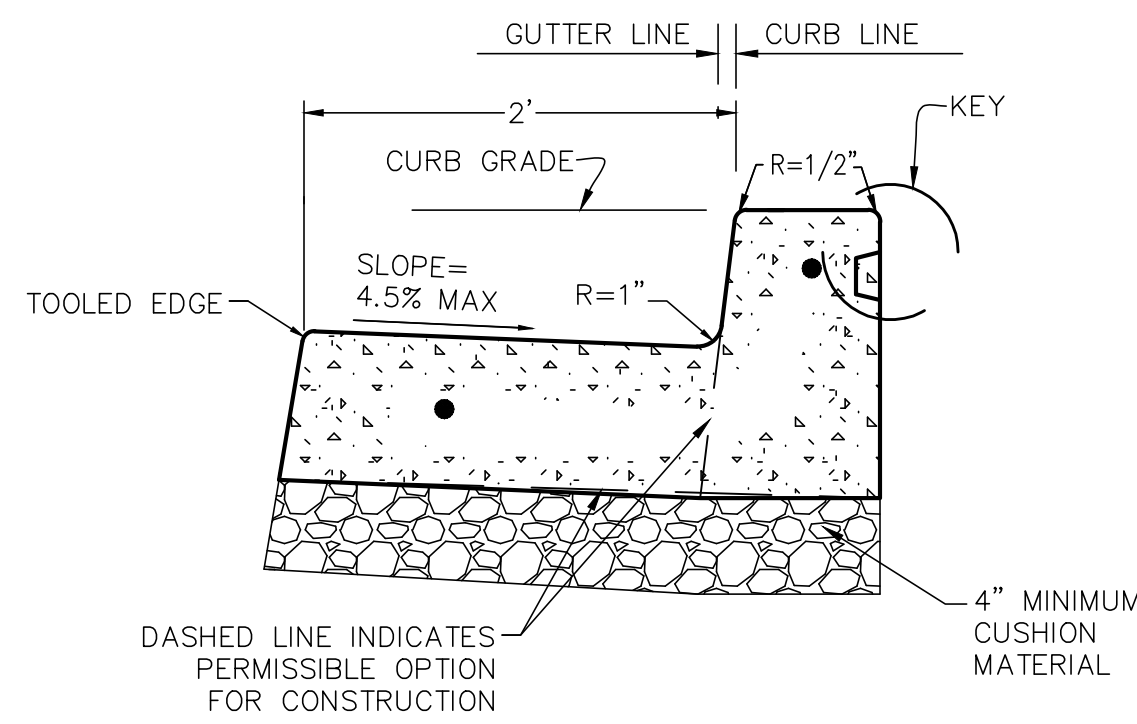
1. ALL CONSTRUCTION COLD JOINTS SHALL INCORPORATE EPOXY, DOWEL/TIE BAR, KEYWAY, OR WATER STOP.
2. SCARIFY SUBGRADE TO A DEPTH OF 6" THEN COMPACTED TO 90% PRIOR TO PLACEMENT OF SUBBASE COURSE



THICKENED EDGE AT SIDEWALK ⑤
NTS



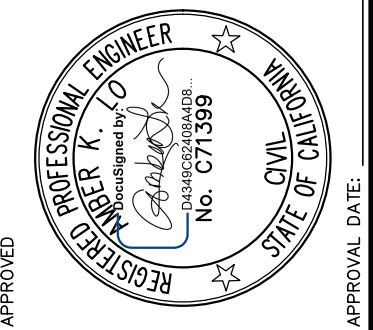
DEEPENED CURB AND GUTTER ⑥
NTS



PCC CURB AND GUTTER ⑦
NTS

SEE SD-300 FOR DETAILS NOT SHOWN

NO.	DESCRIPTION	BY	DATE	APPROVED
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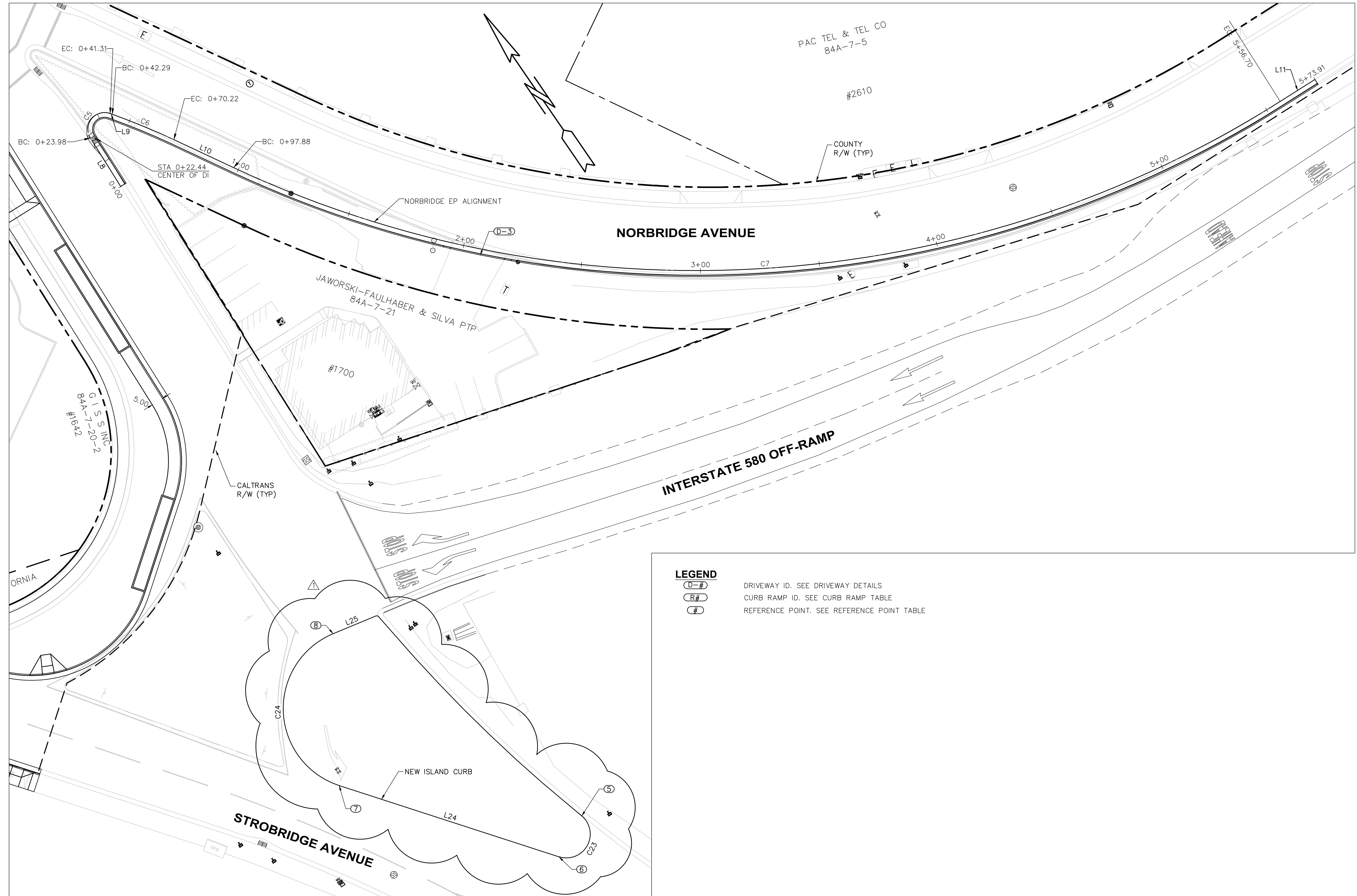
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AMBER K. LO	MAR 2024	1" = 20'

COUNTY OF ALAMEDA ☆ **PUBLIC WORKS AGENCY**
THE INTERSECTION IMPROVEMENTS AT NORBRIDGE AVENUE AND STROBRIDGE AVENUE IN THE VICINITY OF INTERSTATE 580
CONSTRUCTION DETAILS

WORK ORDER NO.	R26278
SPECIFICATION NO.	2445
SHEET NO.	05A OF 41
FILE NO.	U-441-2

N:\3D\ROAD\26278 Strobri- Norbridge Intersection Project\Sheets\CONSTRUCTION LAYOUT-STROBRIDGE NORBRIDGE.dwg 4-26-24 09:41:13 AM morlon

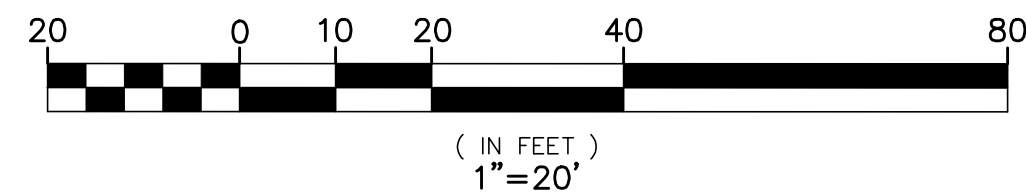
CONSTRUCTION	REVIEWED BY:	DATE:	SURVEY	REVIEWED BY:	DATE:
MAINTENANCE			TRAFFIC		
REAL ESTATE			ENVIRONMENTAL		



PLAN
SCALE: 1"=20'

LEGEND

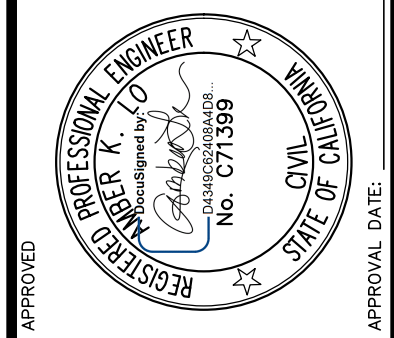
- D-# DRIVEWAY ID. SEE DRIVEWAY DETAILS
- R# CURB RAMP ID. SEE CURB RAMP TABLE
- # REFERENCE POINT. SEE REFERENCE POINT TABLE



FOR REDUCED ENGLISH PLANS ORIGINAL SCALE IS IN INCHES

REVISIONS

NO.	DESCRIPTION	BY	DATE	APPV'D
1	SHEET REPLACED-REVISIONS CLOUDED	MM	04/25/24	AL



COUNTY OF ALAMEDA PUBLIC WORKS AGENCY

THE INTERSECTION IMPROVEMENTS AT NORBRIDGE AVENUE AND STROBRIDGE AVENUE IN THE VICINITY OF INTERSTATE 580

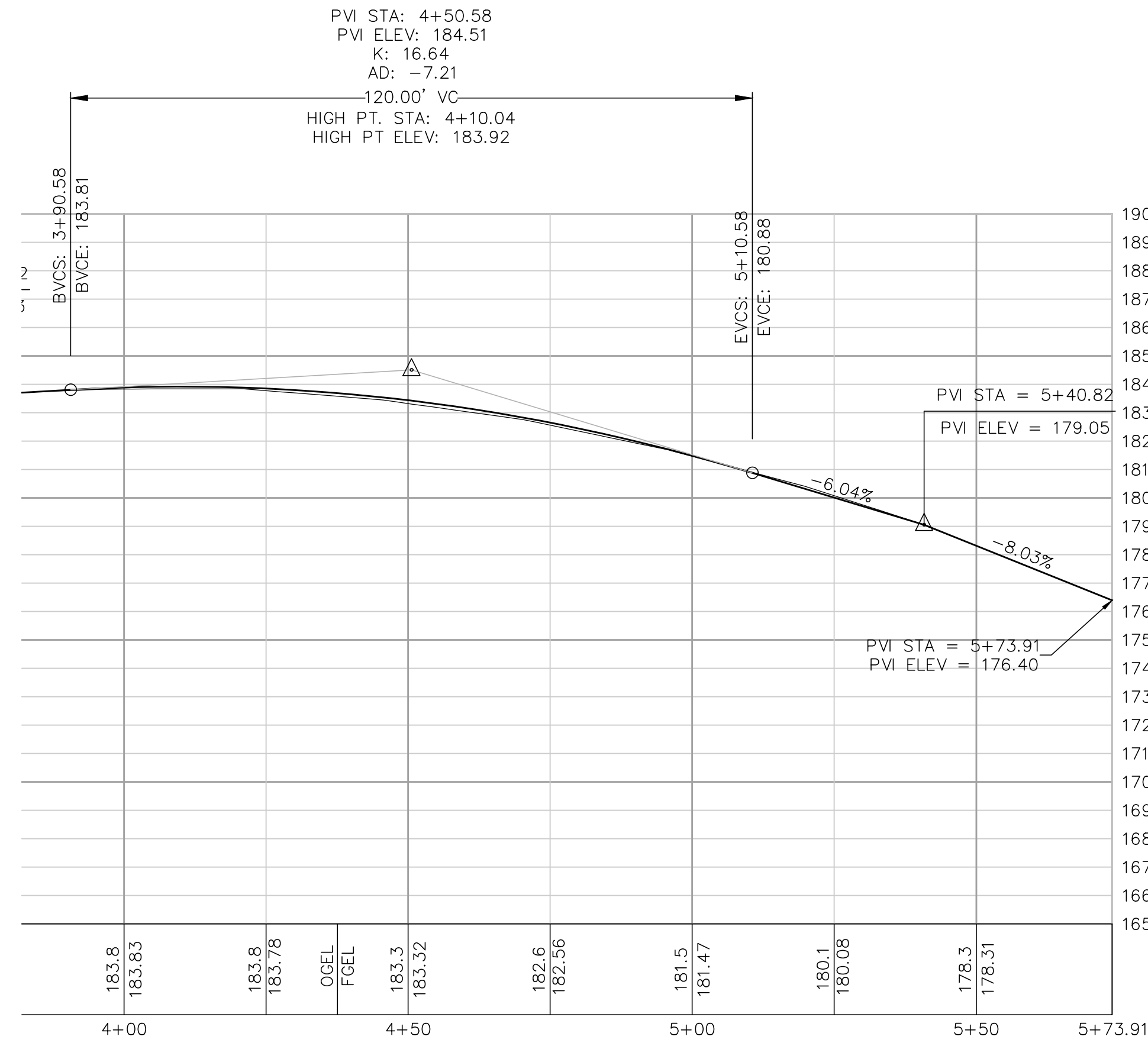
CONSTRUCTION LAYOUT PLAN

APPROVAL RECOMMENDED	DATE	SCALE
APPROVAL RECOMMENDED	MAR 2024	1"=20'

WORK ORDER NO.	R26278
SPECIFICATION NO.	2445
SHEET NO.	09A OF 41
FILE NO.	U-441-2

CONSTRUCTION	REVIEWED BY:	DATE:
MAINTENANCE	SURVEY	
REAL ESTATE	TRAFFIC	
	ENVIRONMENTAL	

N:\3D\ROAD\R26278 Strobridge-Norbridge Intersection Project\Sheets\Sheets\PLAN AND PROFILE-STROBRIDGE-NORBRIDGE.dwg 4-26-24 09:42:52 AM maritoni



PROFILE

HORZ SCALE: 1"=20'
VERT SCALE: 1"=2'

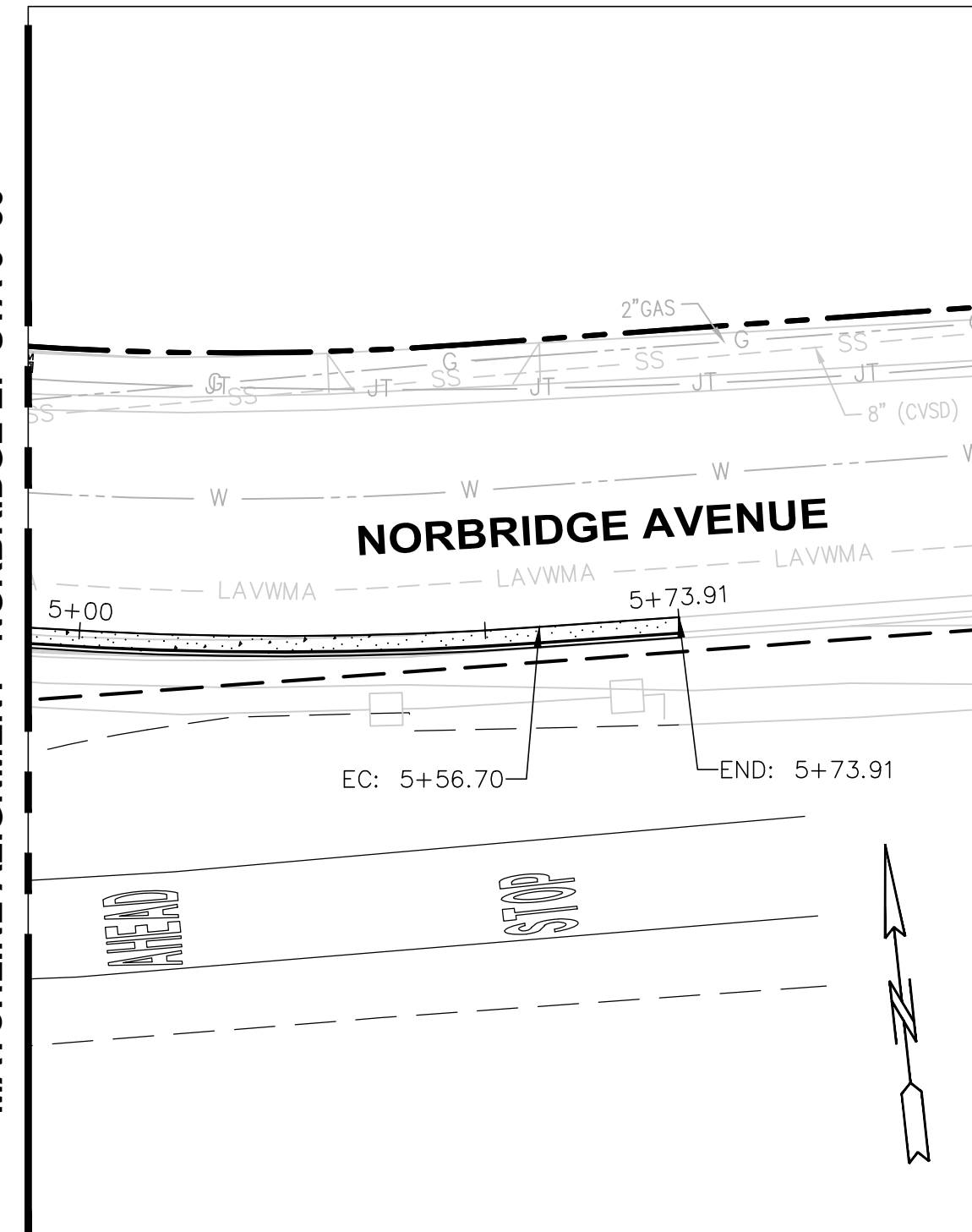
LEGEND

- NEW PCC IMPROVEMENTS
- OGEL = ORIGINAL GROUND ELEVATION
- FGEL = FINISHED GROUND ELEVATION

NOTES

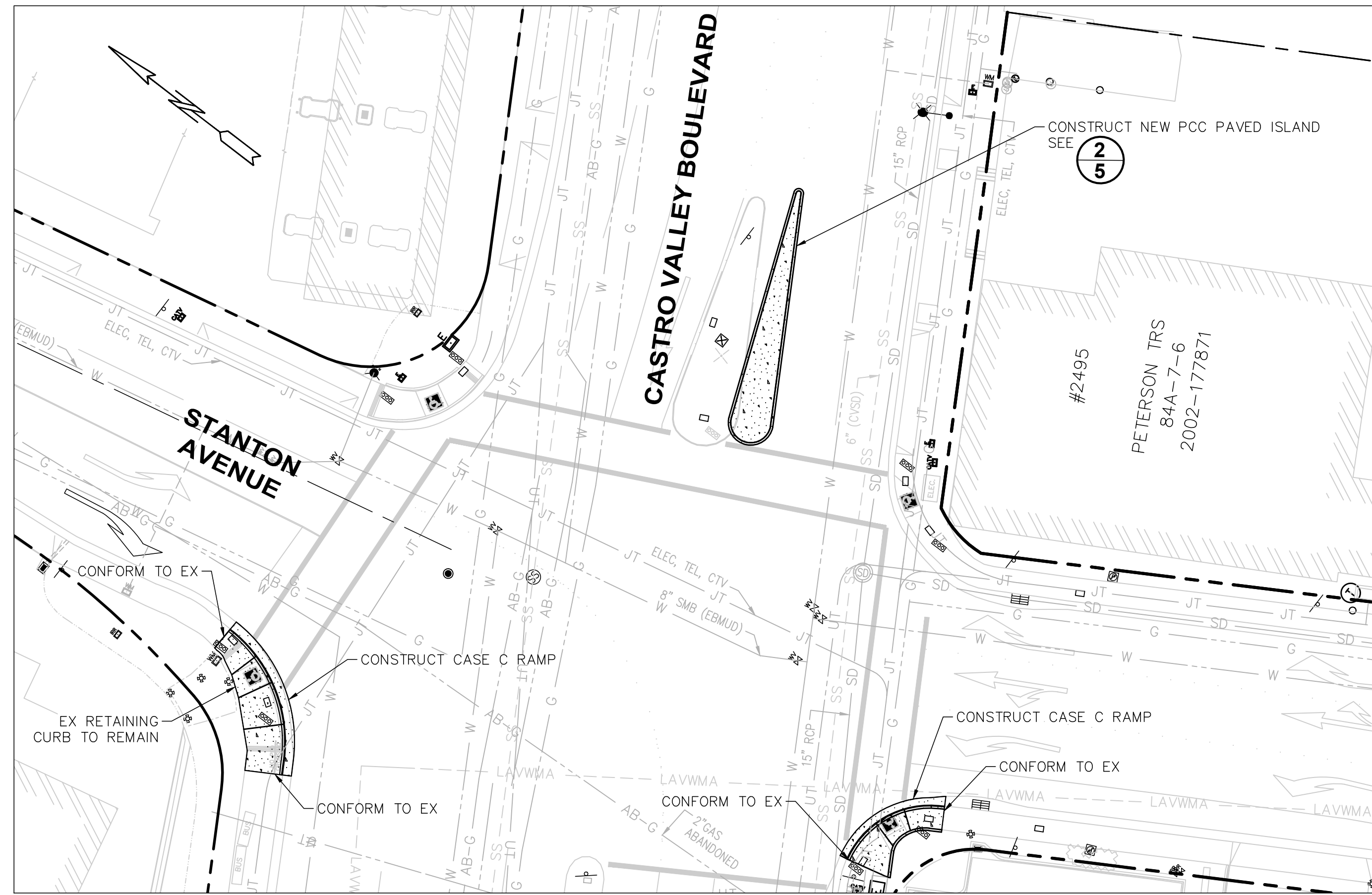
- FOR DRAINAGE DETAILS, SEE DRAINAGE PLAN
- CONSTRUCT ALL CURB RAMP PER CALTRANS STD PLAN A88A
- FOR SIGN RELOCATION, SEE STRIPING AND SIGNING PLAN
- SEE SITE IMPROVEMENT PLAN FOR SIDEWALK AND DRIVEWAY CONFORM WORK
- SEE CONSTRUCTION LAYOUT PLAN FOR ISLAND LAYOUT

MATCHLINE ALIGNMENT - NORBRIDGE EP STA 5+50



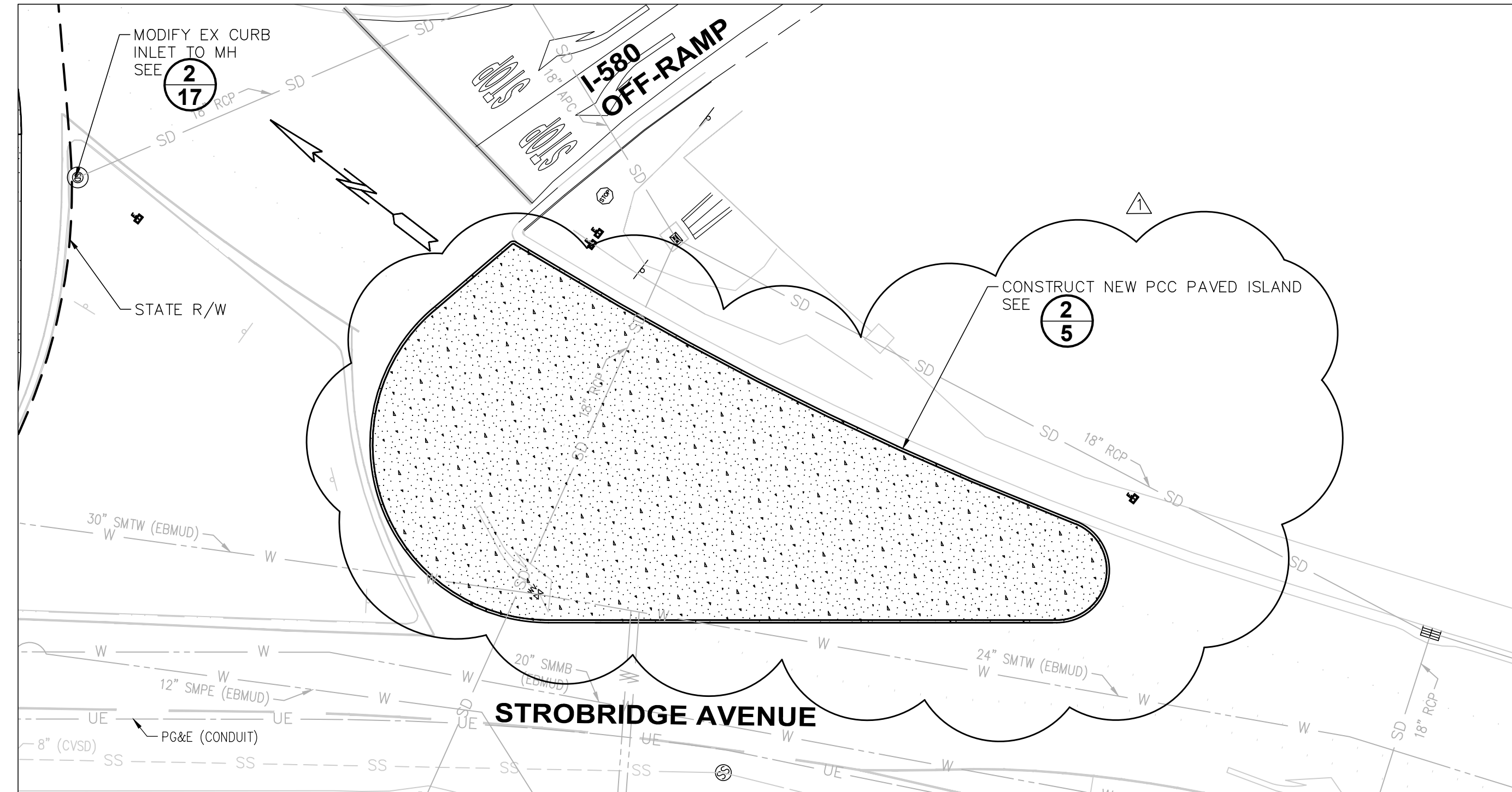
PLAN

SCALE: 1"=20'



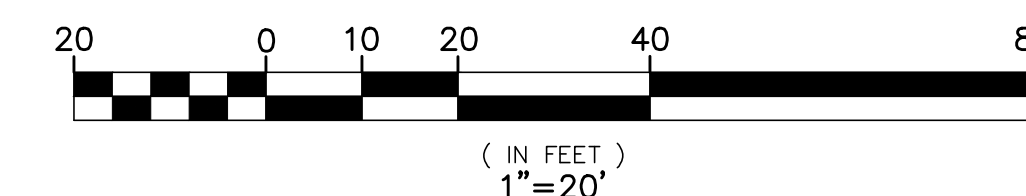
ISLAND 1 PLAN

SCALE: 1"=20'



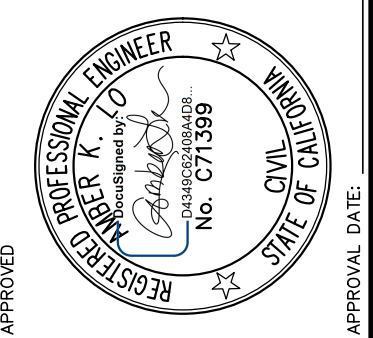
ISLAND 2 PLAN

SCALE: 1"=20'



FOR REDUCED ENGLISH PLANS ORIGINAL SCALE IS IN INCHES

REVISIONS		NO.	DESCRIPTION	BY	DATE	APPV'D

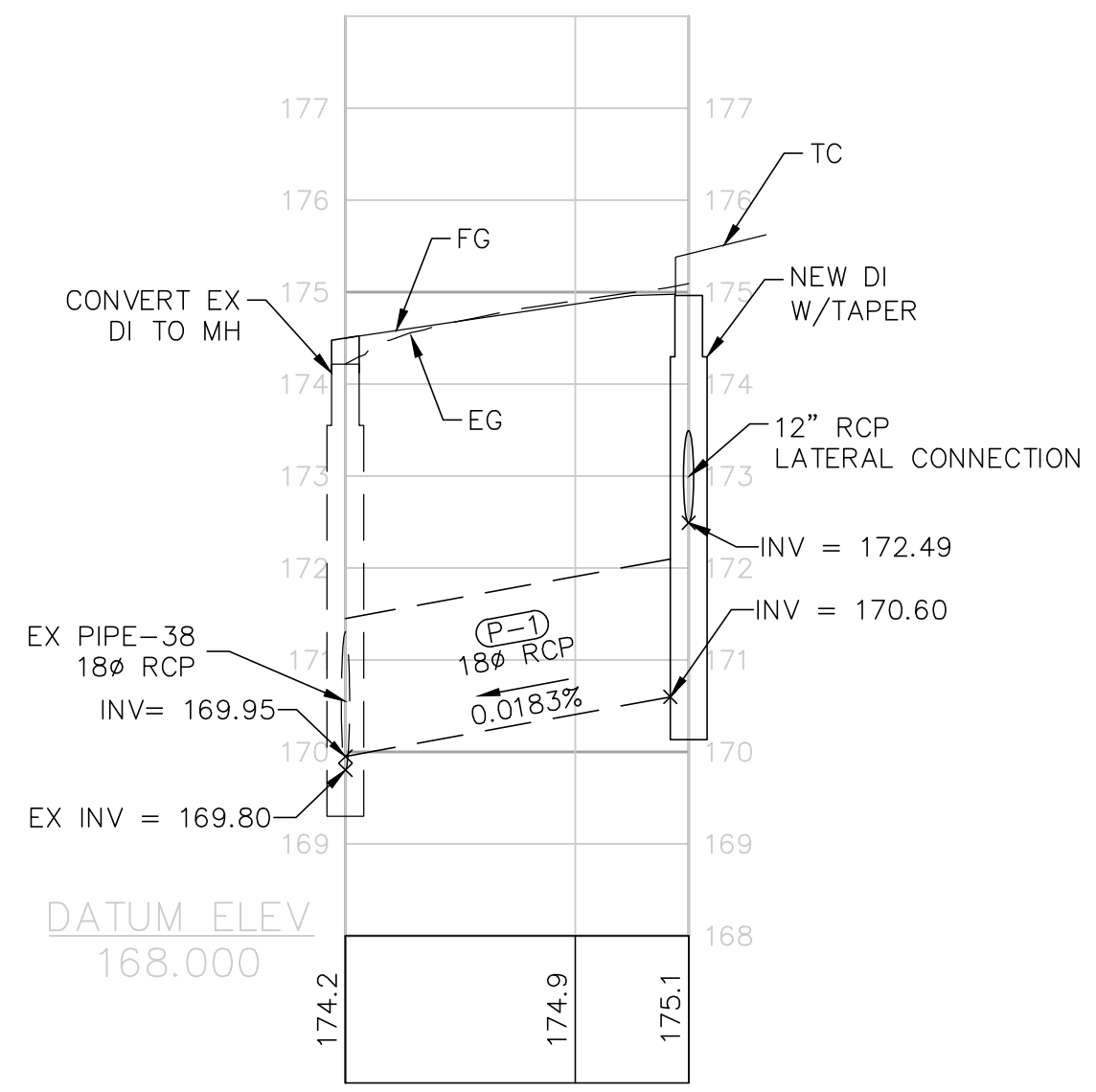


APPROVED	AMBER K. LO	DATE	MAR 2024	SCALE	1"=20'
DESIGNED	MARITONI MARAVILLA	DATE			
CHECKED	MARITONI MARAVILLA	DATE			
APPROVAL RECOMMENDED	MARITONI MARAVILLA	DATE			
APPROVAL RECOMMENDED	MARITONI MARAVILLA	DATE			

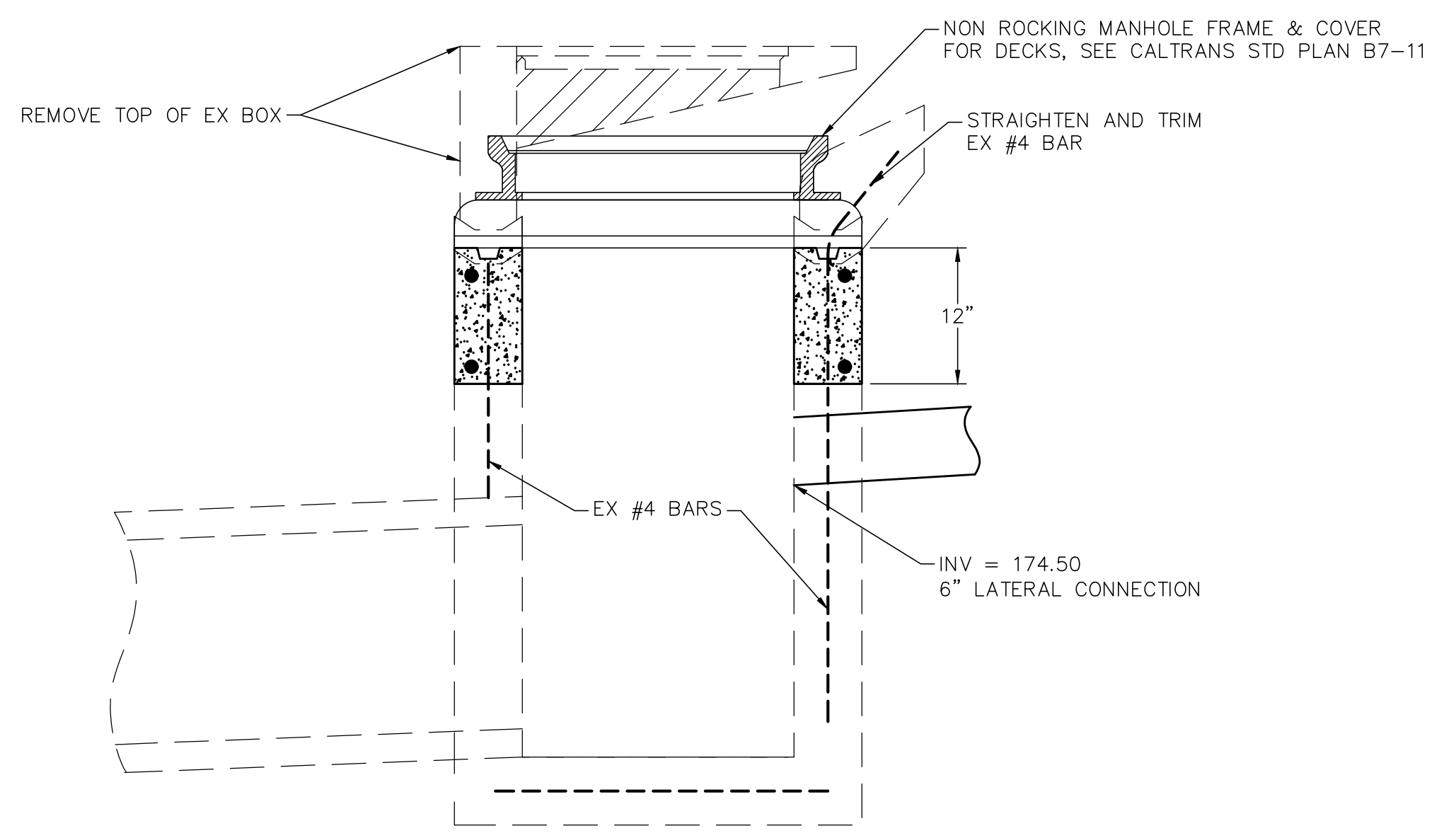
COUNTY OF ALAMEDA ☆ **PUBLIC WORKS AGENCY**
THE INTERSECTION IMPROVEMENTS AT NORBRIDGE AVENUE AND STROBRIDGE AVENUE IN THE VICINITY OF INTERSTATE 580
PLAN AND PROFILE

WORK ORDER NO.	R26278
SPECIFICATION NO.	2445
SHEET NO.	16A OF 41
FILE NO.	U-441-2

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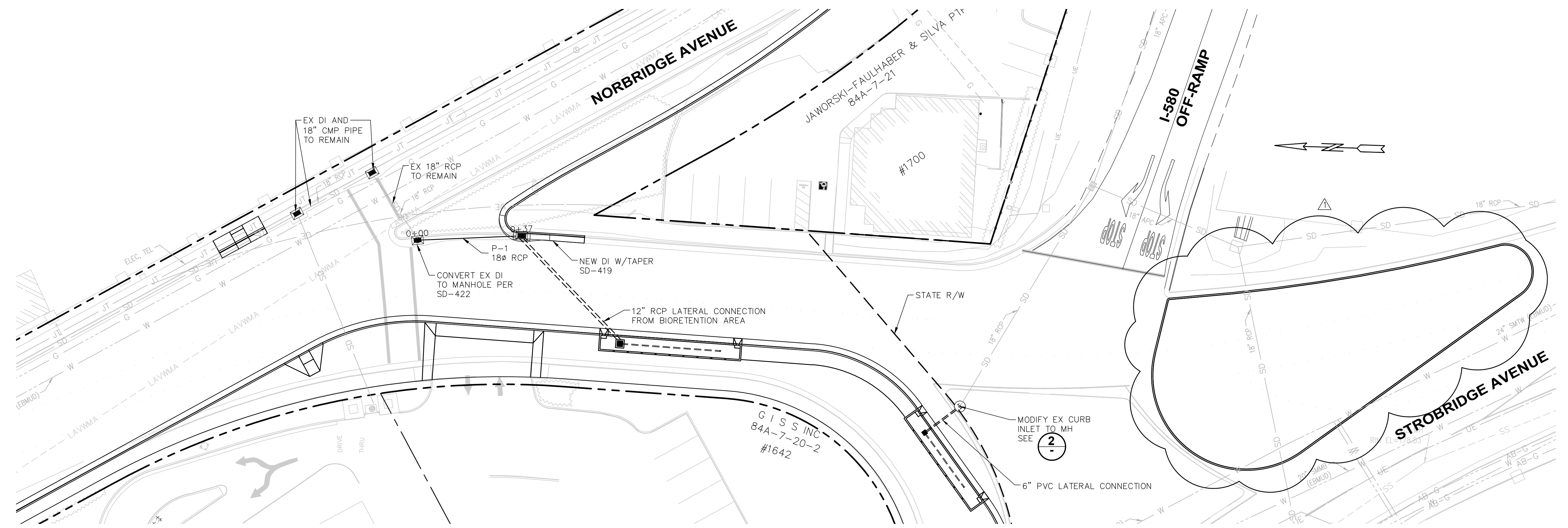


PROFILE
 HORZ SCALE: 1"=20'
 VERT SCALE: 1"=5'



MODIFY CURB INLET TO MANHOLE (2)
 NTS

FOR DETAILS NOT SHOWN, SEE CALTRANS STD PLANS B7-11 AND D91B

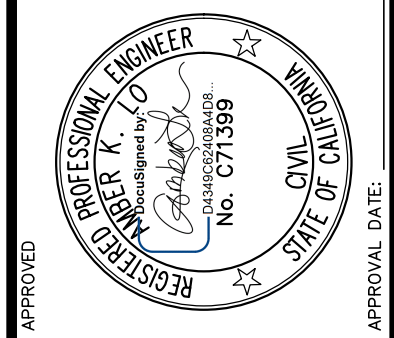


PLAN
 SCALE: 1"=20'

FOR REDUCED ENGLISH PLANS ORIGINAL SCALE IS IN INCHES



NO.	DESCRIPTION	BY	DATE	APPV'D
1	SHEET REPLACED-REVISIONS CLOUDED	MM	04/25/24	AL



APPROVED	AMBER K. LO	DATE	MAR 2024	SCALE	1"=20'
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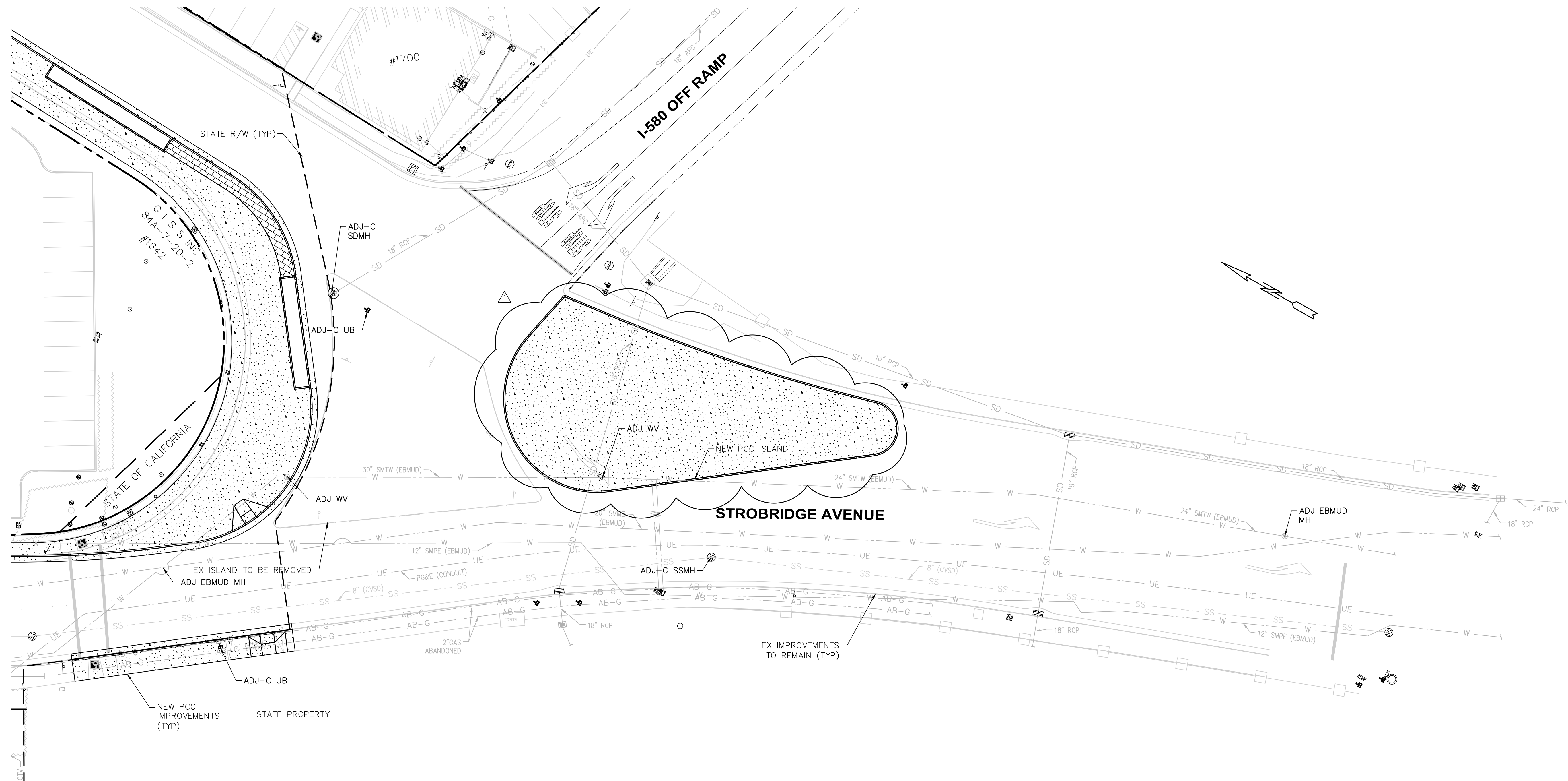
DESIGNED	MARITON MARAVILLA	CHECKED	MARITON MARAVILLA
APPROVAL RECOMMENDED	MARITON MARAVILLA	APPROVAL RECOMMENDED	MARITON MARAVILLA

COUNTY OF ALAMEDA ☆ **PUBLIC WORKS AGENCY**
 THE INTERSECTION IMPROVEMENTS AT
 NORBRIDGE AVENUE AND STROBRIDGE AVENUE
 IN THE VICINITY OF INTERSTATE 580
DRAINAGE PLAN AND DETAILS

WORK ORDER NO.	R26278
SPECIFICATION NO.	2445
SHEET NO.	17A OF 41
FILE NO.	U-441-2

CONSTRUCTION	REVIEWED BY:	DATE:	REVIEWED BY:	DATE:
MAINTENANCE	SURVEY		TRAFFIC	
REAL ESTATE	ENVIRONMENTAL			

N:\3D\ROAD\26278 Strobriidge-Norbridge-Utility-Plan-Strobriidge-Norbridge.dwg 4-26-24 09:45:11 AM maritoni



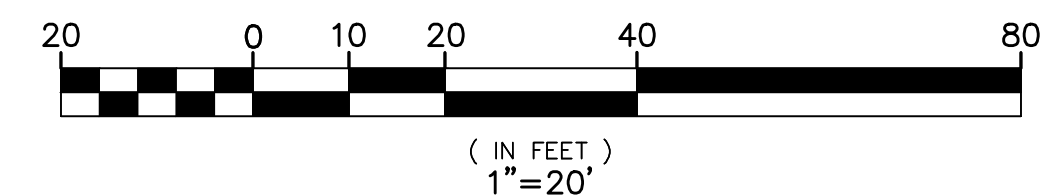
PLAN
SCALE: 1"=20'

LEGEND

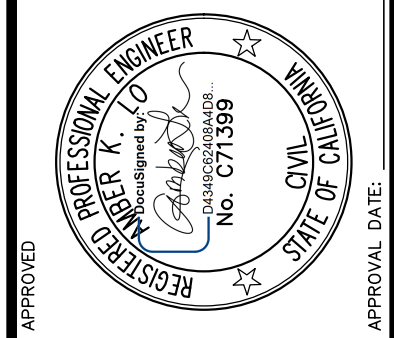
- ADJ ADJUST EX FACILITY TO GRADE
- REL RELOCATE EXISTING FACILITY (BY UTILITY)
- REL-C RELOCATE EXISTING FACILITY (BY CONTRACTOR)
- FH FIRE HYDRANT
- FDC FIRE DEPARTMENT CONNECTION
- WV WATER VALVE
- GV GAS VALVE
- JP JOINT POLE
- WM WATER METER
- GM GAS METER
- MH MANHOLE
- SSMH SANITARY SEWER MANHOLE
- SDMH STORM DRAIN MANHOLE
- STLT STREETLIGHT

NOTES

1. ALL PIPELINES AND OTHER UNDERGROUND FACILITIES MAY NOT BE SHOWN. EXISTING UNDERGROUND FACILITIES AS SHOWN ARE APPROXIMATE ONLY AND WERE OBTAINED FROM AVAILABLE UTILITY RECORDS. HOWEVER, THE COUNTY ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY OR COMPLETENESS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITIES AND TO HAVE ALL FACILITIES LOCATED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AT 1-800-542-2444 AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION
2. RELOCATED WATER METER LOCATIONS SHOWN ARE APPROXIMATE. FINAL LOCATION WILL BE DETERMINED BY EBMUD.
3. THE CONTRACTOR MUST COORDINATE WATER METER RELOCATIONS AND SERVICE RECONNECTIONS WITH EBMUD. EBMUD REQUIRES AT LEAST 3 WEEKS NOTICE.
4. THE CONTRACTOR MUST COORDINATE STREETLIGHT HEAD RELOCATION AND SERVICE RECONNECTION WITH PG&E.

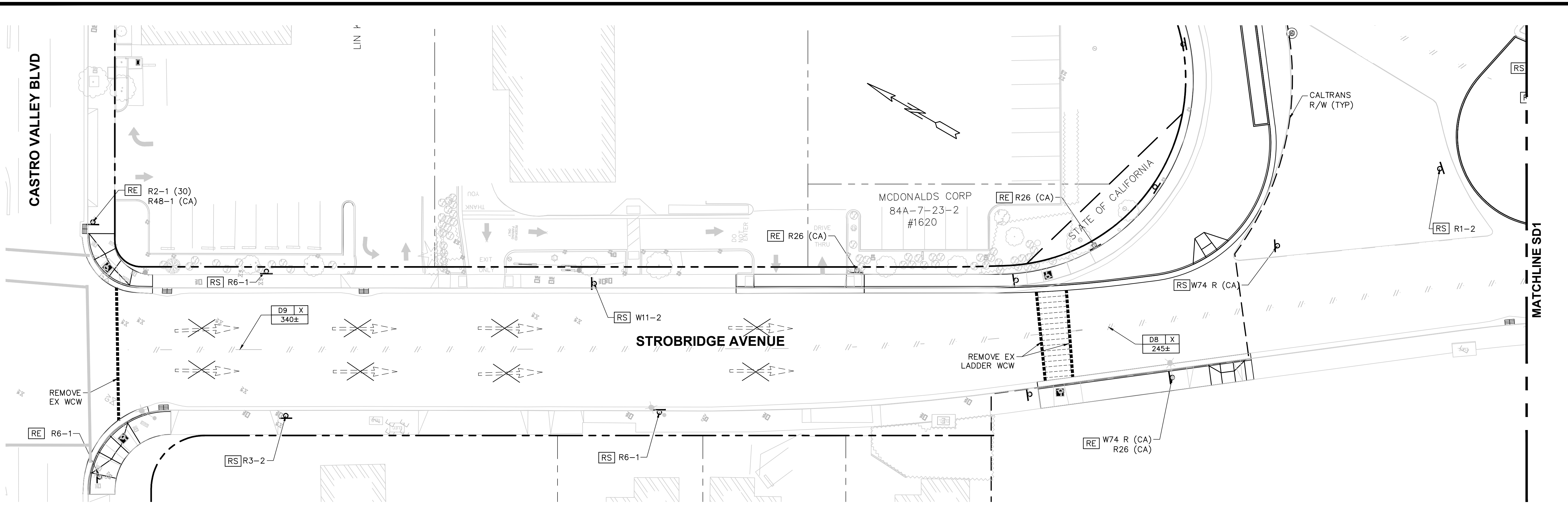


COUNTY OF ALAMEDA ☆ PUBLIC WORKS AGENCY																					
THE INTERSECTION IMPROVEMENTS AT NORBRIDGE AVENUE AND STROBRIDGE AVENUE IN THE VICINITY OF INTERSTATE 580	UTILITY PLAN																				
WORK ORDER NO. R26278	APPROVAL RECOMMENDED DRAWN BY: MARITONI MARAVALLA DESIGNED BY: MARITONI MARAVALLA CHECKED BY: MARITONI MARAVALLA																				
SPECIFICATION NO. 2445	DATE MAR 2024																				
SHEET NO. 24A OF 41	SCALE 1"=20'																				
FILE NO. U-441-2	APPROVAL DATE: APR 25/24																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NO.</th> <th style="width: 80%;">DESCRIPTION</th> <th style="width: 10%;">BY</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>SHEET REPLACED-REVISIONS CLOUDED</td> <td style="text-align: center;">MM</td> <td style="text-align: center;">04/25/24</td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">3</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">4</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		NO.	DESCRIPTION	BY	DATE	1	SHEET REPLACED-REVISIONS CLOUDED	MM	04/25/24	2				3				4			
NO.	DESCRIPTION	BY	DATE																		
1	SHEET REPLACED-REVISIONS CLOUDED	MM	04/25/24																		
2																					
3																					
4																					



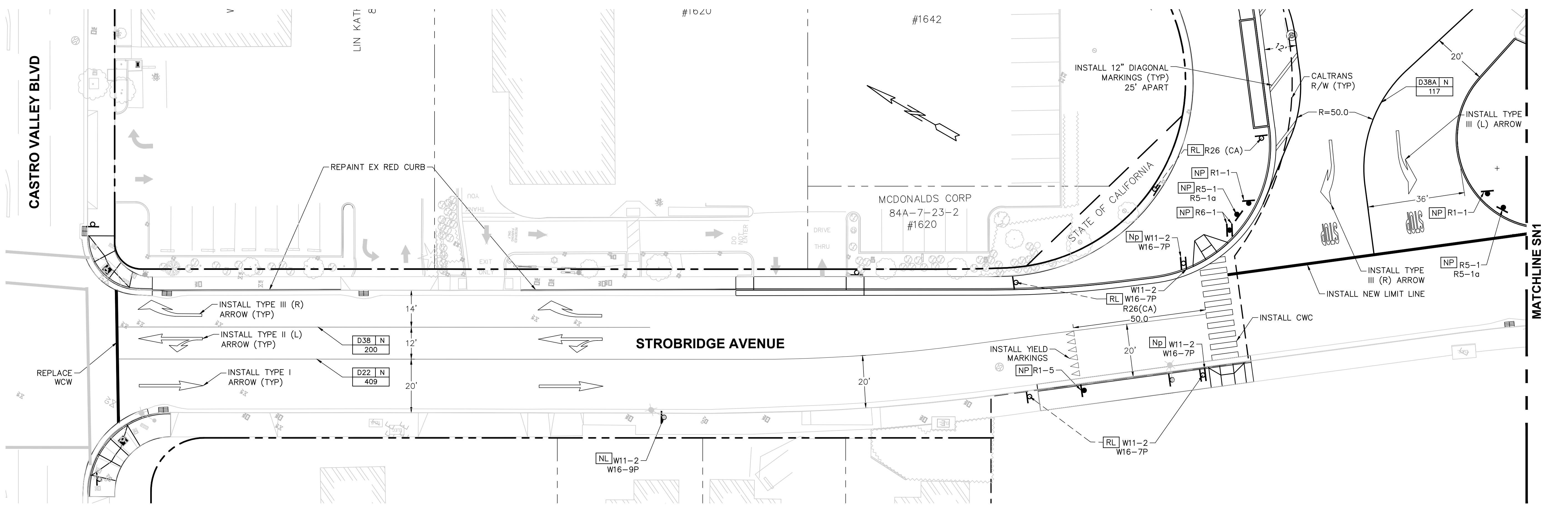
REVIEWED BY:	DATE:	REVIEWED BY:	DATE:
CONSTRUCTION	SURVEY	TRAFFIC	ENVIRONMENTAL
MAINTENANCE	ENVIRONMENTAL		
REAL ESTATE			

N:\3D\ROAD\26278 Strobri-ge-Norbridge Intersection Project\Sheets\Signing and Striping Plan-Strobri-ge-Norbridge.dwg 4-26-24 09:48:55 AM



REMOVAL PLAN - STROBRIDGE AVENUE

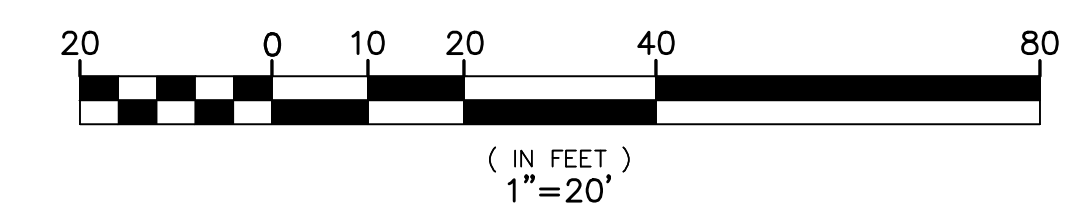
SCALE: 1"=20'



PLAN - STROBRIDGE AVENUE

SCALE: 1"=20'

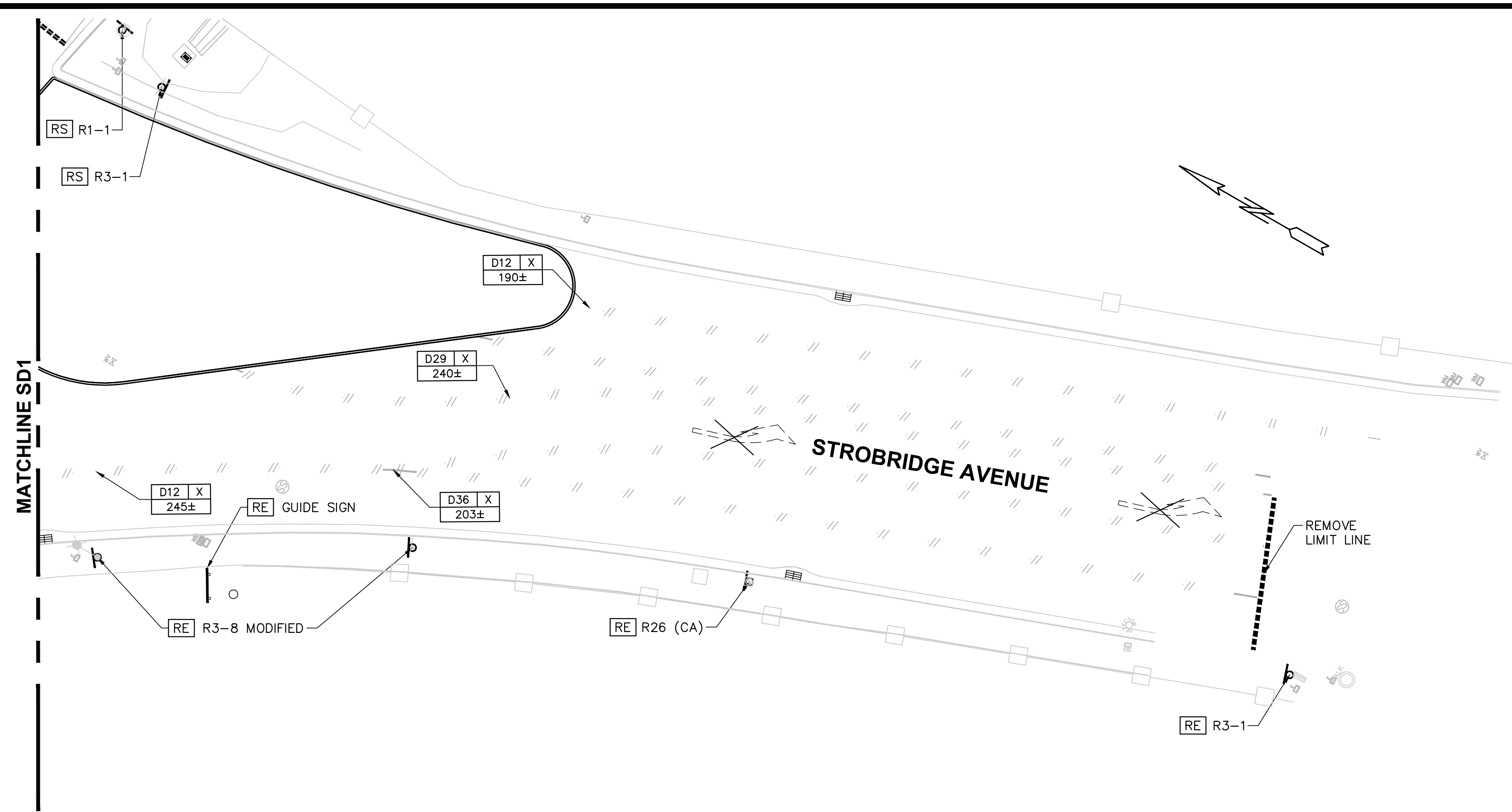
- NOTES:**
- STRIPING DIMENSIONS ARE TAKEN FROM FACE OF CURB
 - TRAFFIC STRIPES AND PAVEMENT MARKING THAT WILL BE REMOVED DURING MILLING AND ROADWAY EXCAVATION OPERATIONS ARE SHOWN FOR REFERENCE AND MAY NOT BE LABELED FOR REMOVAL



APPROVED:	APPROVAL DATE:
COUNTY OF ALAMEDA PUBLIC WORKS AGENCY	SCALE 1" = 20' DATE MAR 2024
THE INTERSECTION IMPROVEMENTS AT NORBRIDGE AVENUE AND STROBRIDGE AVENUE IN THE VICINITY OF INTERSTATE 580 SIGNING AND STRIPING PLAN	WORK ORDER NO. R26278 SPECIFICATION NO. 2445 SHEET NO. 27A OF 41 FILE NO. U-441-2
REVISIONS	DESCRIPTION
NO.	NO.
BY	BY
MM	MM
04/25/24	04/25/24
AL	AL
APPV'D	APPV'D

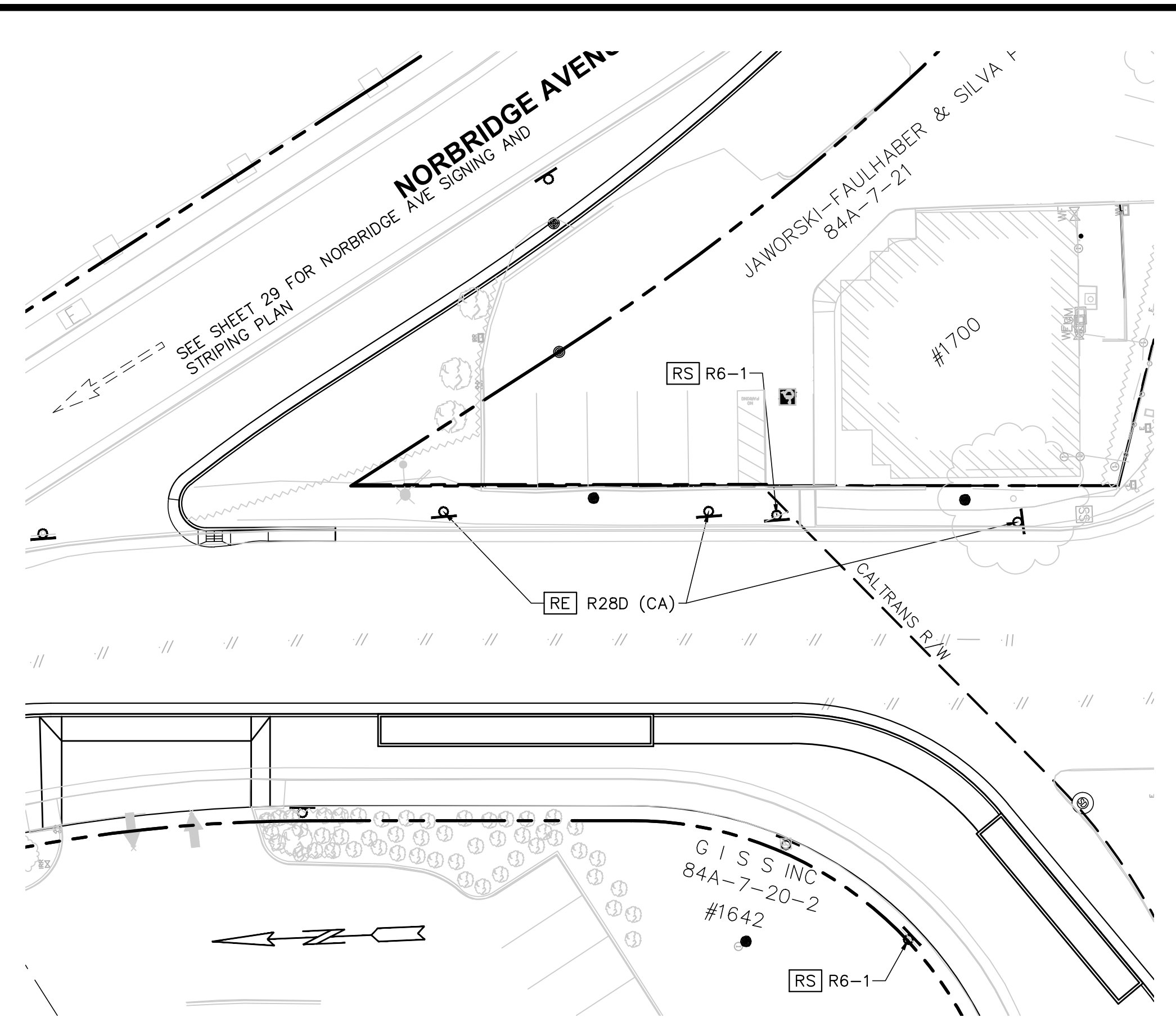
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CONSTRUCTION		SURVEY	
MAINTENANCE		TRAFFIC	
ENVIRONMENTAL			

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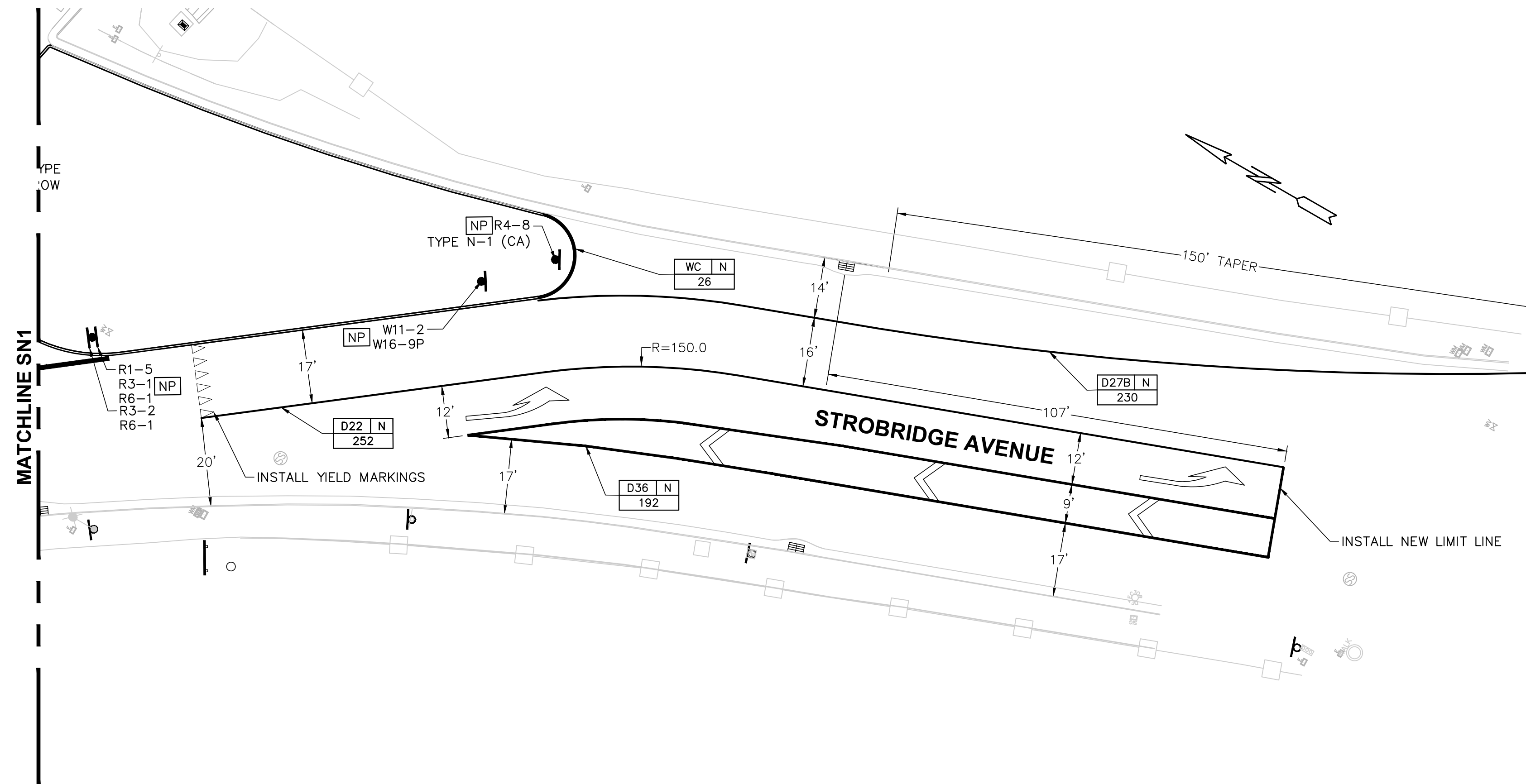
REMOVAL PLAN - STROBRIDGE AVENUE

SCALE: 1"=20'



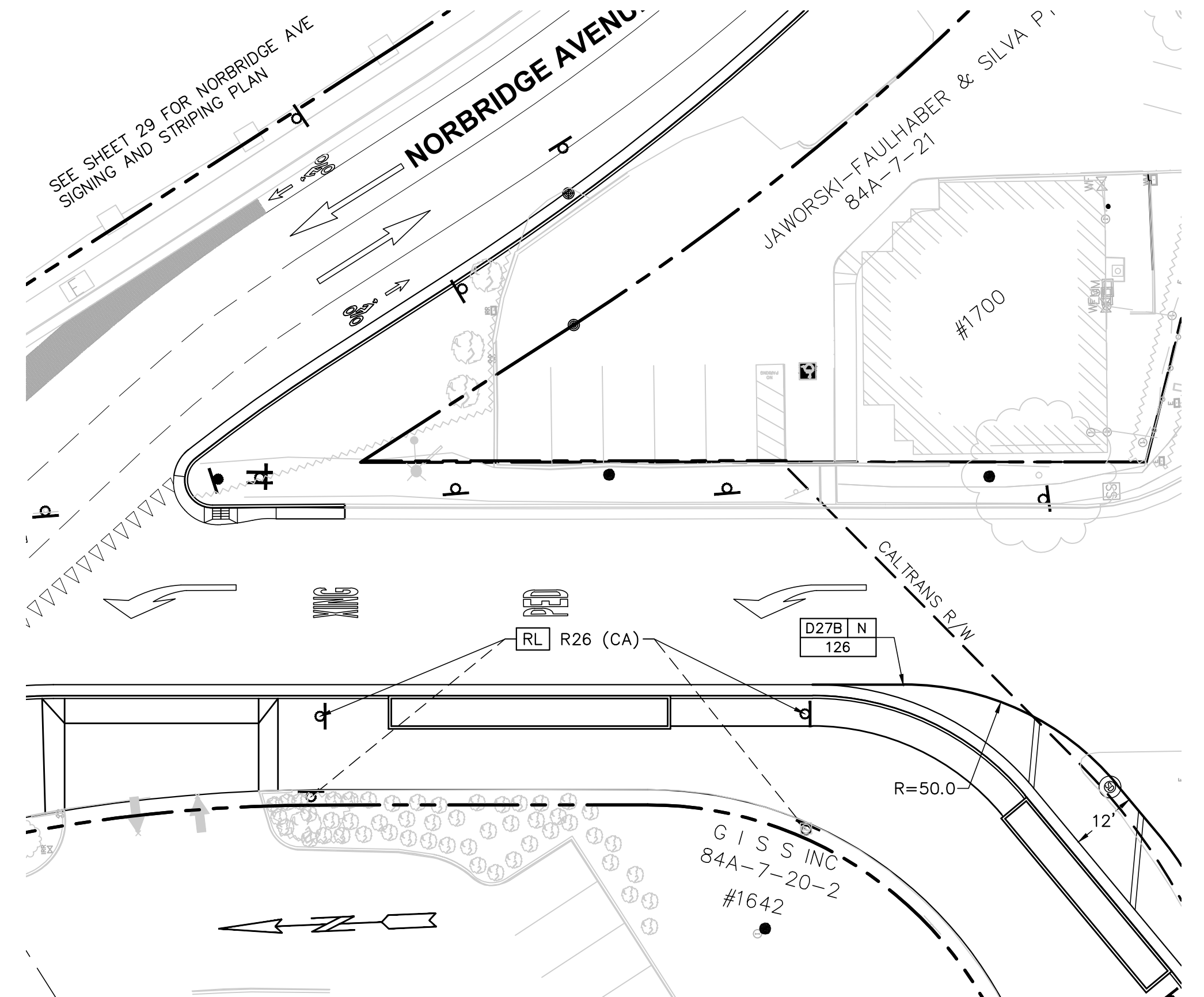
REMOVAL PLAN - NORBRIDGE AVENUE CONNECTOR

SCALE: 1"=20'



PLAN - STROBRIDGE AVENUE

SCALE: 1"=20'

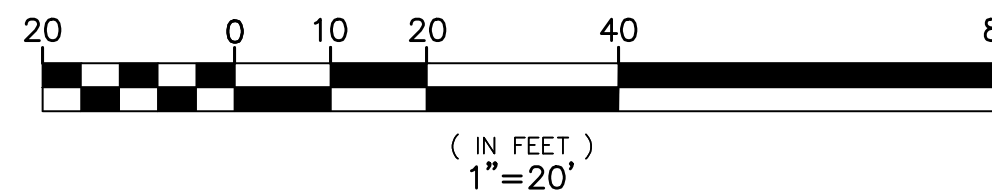


PLAN - NORBRIDGE AVENUE CONNECTOR

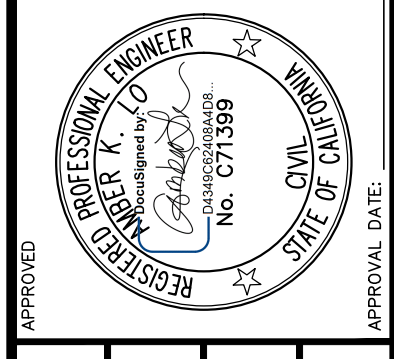
SCALE: 1"=20'

NOTES:

1. STRIPING DIMENSIONS ARE TAKEN FROM FACE OF CURB
2. TRAFFIC STRIPES AND PAVEMENT MARKING THAT WILL BE REMOVED DURING MILLING AND ROADWAY EXCAVATION OPERATIONS ARE SHOWN FOR REFERENCE AND MAY NOT BE LABELED FOR REMOVAL



NO.	DESCRIPTION	BY	DATE	APPR'D



APPROVAL: RECOMMENDED	DATE: MAR 2024	SCALE: 1"=20'
APPROVAL: RECOMMENDED	DATE: MAR 2024	SCALE: 1"=20'
APPROVAL: RECOMMENDED	DATE: MAR 2024	SCALE: 1"=20'
APPROVAL: RECOMMENDED	DATE: MAR 2024	SCALE: 1"=20'

COUNTY OF ALAMEDA PUBLIC WORKS AGENCY

THE INTERSECTION IMPROVEMENTS AT NORBRIDGE AVENUE AND STROBRIDGE AVENUE IN THE VICINITY OF INTERSTATE 580

SIGNING AND STRIPING PLAN

WORK ORDER NO. R26278

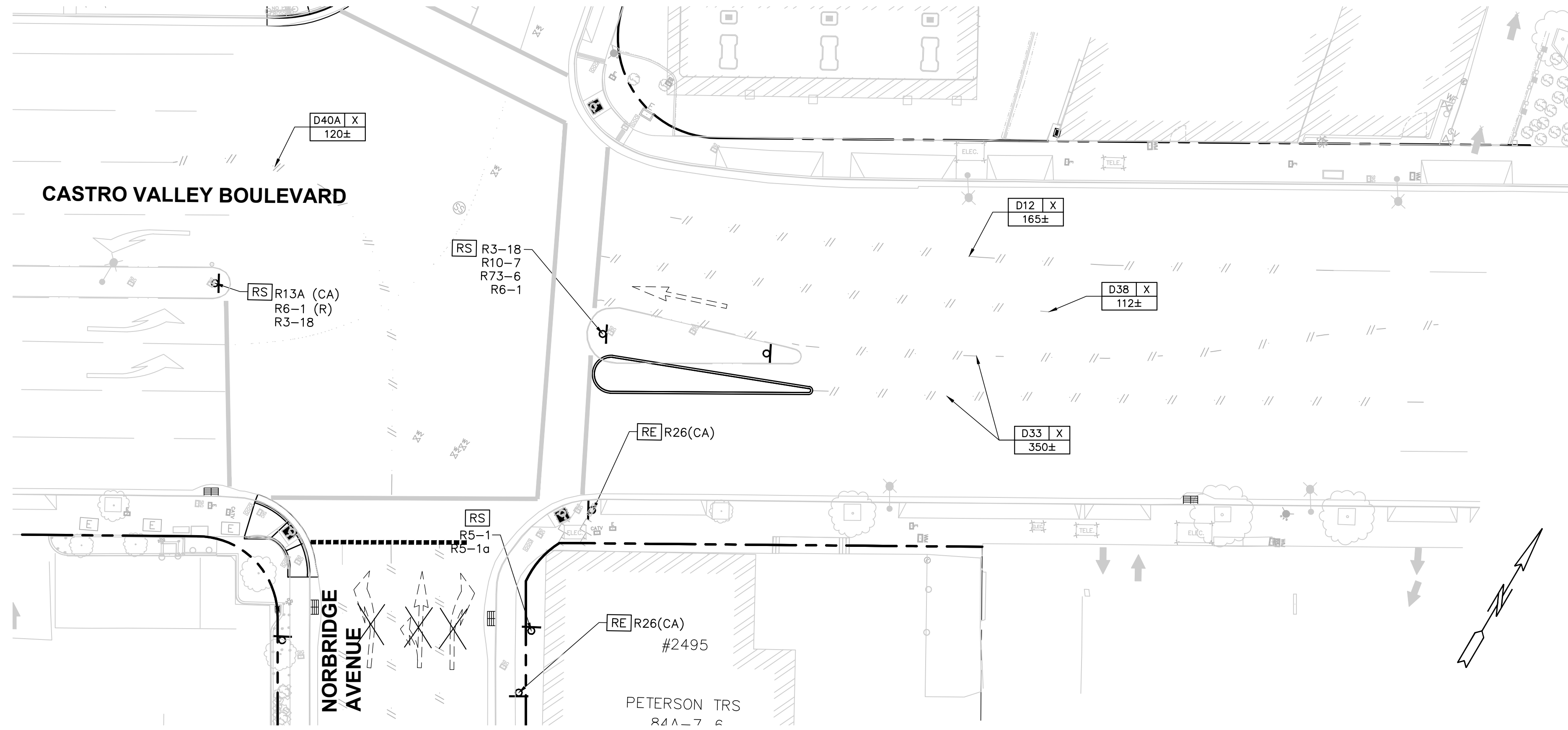
SPECIFICATION NO. 2445

SHEET NO. 28A OF 41

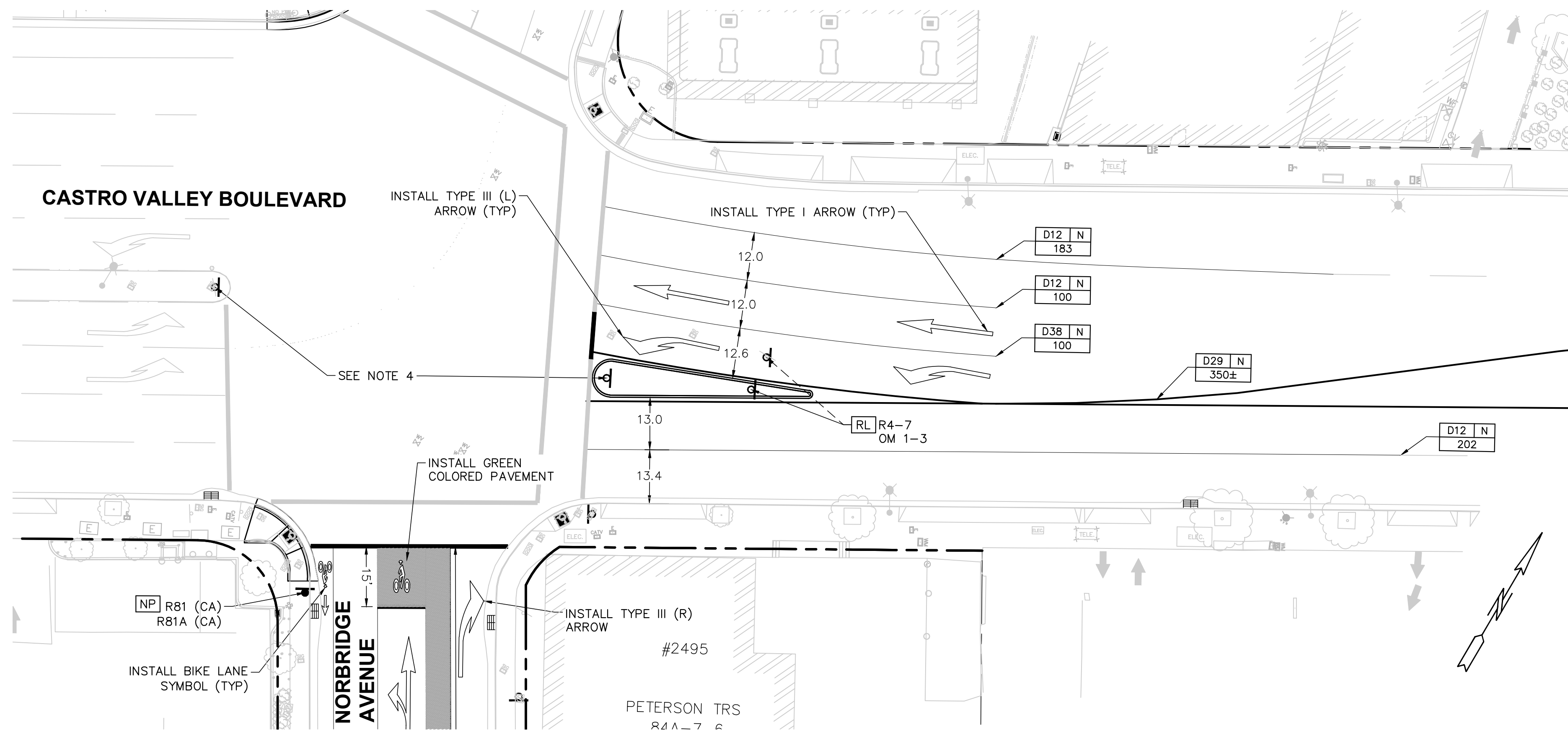
FILE NO. U-441-2

CONSTRUCTION	REVIEWED BY:	DATE:
MAINTENANCE	SURVEY	
RECREATION	TRAFFIC	
UTILITY	ENVIRONMENTAL	

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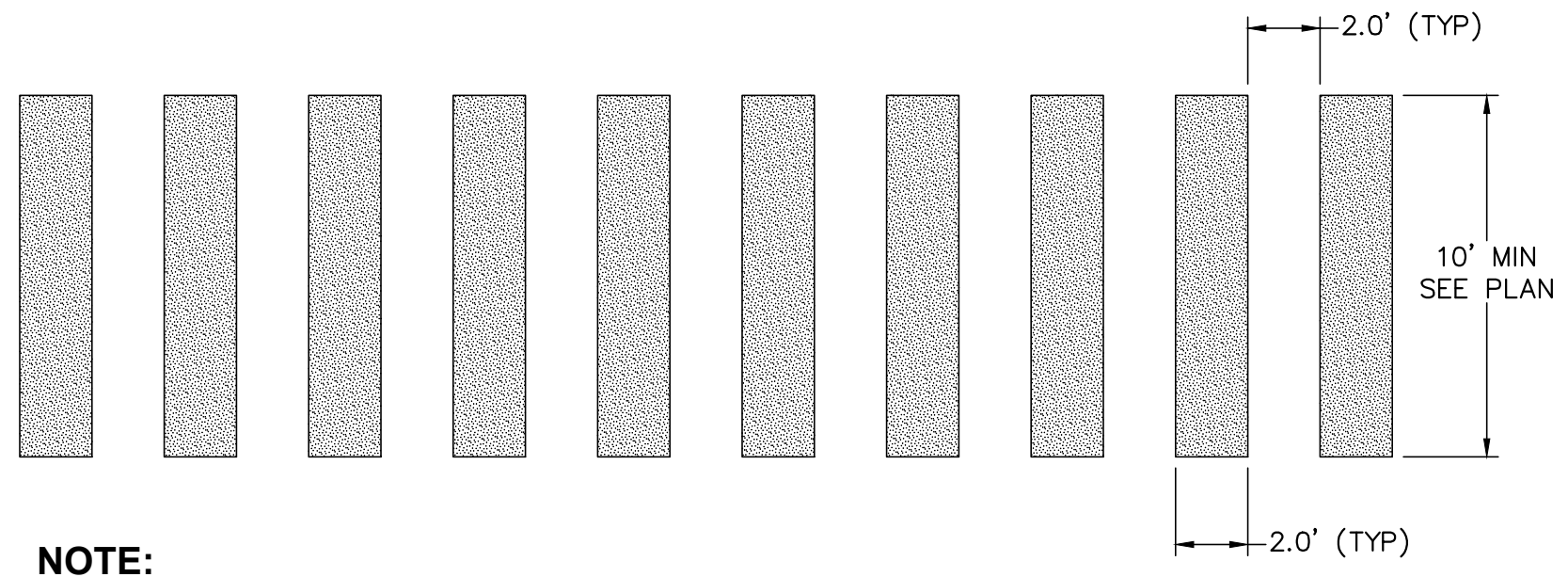


REMOVAL PLAN - CASTRO VALLEY BOULEVARD
SCALE: 1"=20'



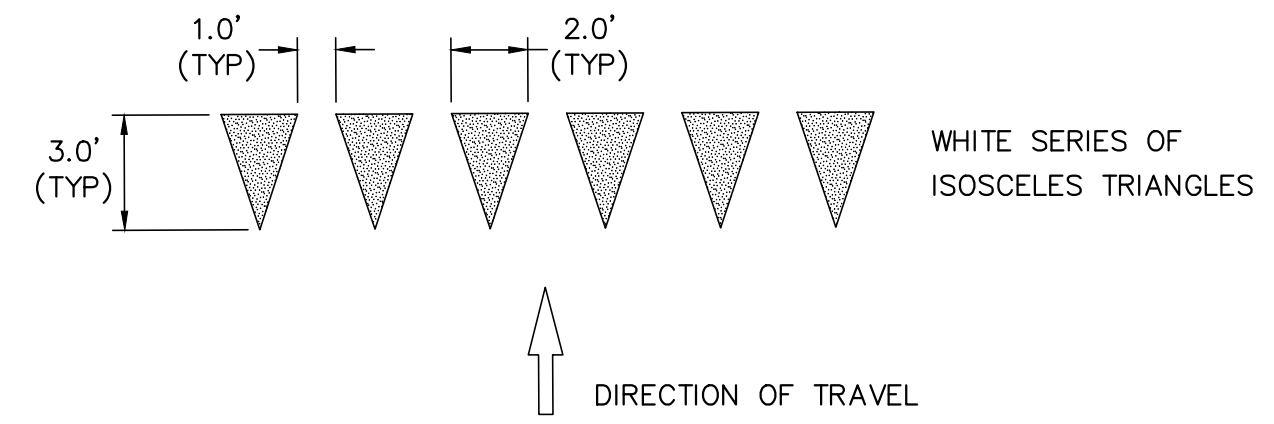
PLAN - CASTRO VALLEY BOULEVARD
SCALE: 1"=20'

- NOTES:**
- STRIPING DIMENSIONS ARE TAKEN FROM FACE OF CURB
 - TRAFFIC STRIPES AND PAVEMENT MARKING THAT WILL BE REMOVED DURING MILLING AND ROADWAY EXCAVATION OPERATIONS ARE SHOWN FOR REFERENCE AND MAY NOT BE LABELED FOR REMOVAL
 - SEE SHEET 29 FOR SIGNING AND STRIPING LABELS NOT SHOWN ON STANTON/NORBRIDGE AVE
 - SEE TRAFFIC SIGNAL MODIFICATION PLANS FOR SIGNS TO BE PLACED ON NEW SIGNAL POLES

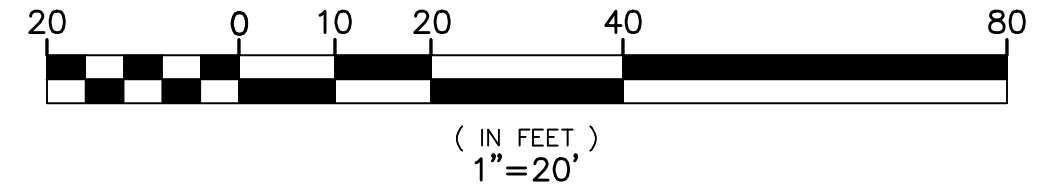


- NOTE:**
- SEE PLAN FOR COLOR OF CROSSWALK MARKINGS.

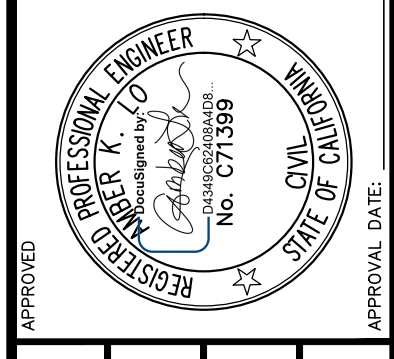
CONTINENTAL CROSSWALK DETAIL 1
NTS



YIELD MARKING 2
NTS



NO.	DESCRIPTION	BY	DATE	APPV'D



APPROVAL RECOMMENDED	DATE	SCALE
MARSTON MARAVILLA	MAR 2024	1"=20'
DESIGNED		
MARSTON MARAVILLA		
CHECKED		
MARSTON MARAVILLA		

COUNTY OF ALAMEDA ☆ **PUBLIC WORKS AGENCY**

THE INTERSECTION IMPROVEMENTS AT NORBRIDGE AVENUE AND STROBRIDGE AVENUE IN THE VICINITY OF INTERSTATE 580

SIGNING AND STRIPING PLAN

WORK ORDER NO. **R26278**

SPECIFICATION NO. **2445**

SHEET NO. **30A OF 41**

FILE NO. **U-441-2**

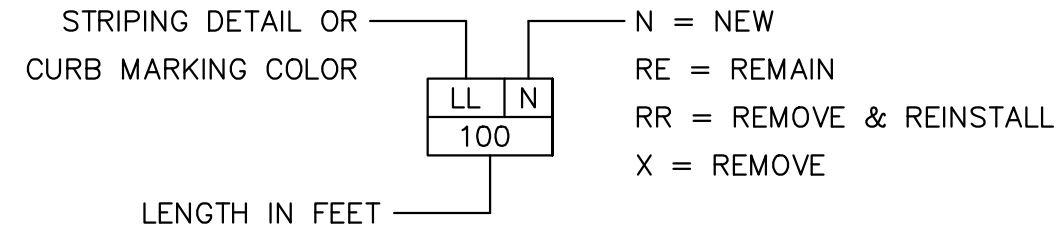
CONSTRUCTION	REVIEWED BY:	DATE:
MAINTENANCE	SURVEY	
RECREATION	TRAFFIC	
ESTATE	ENVIRONMENTAL	

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ABBREVIATIONS

- CWC CONTINENTAL WHITE CROSSWALK
- LL LIMIT LINE
- WCW WHITE CROSSWALK
- WC WHITE CURB

STRIPING LEGEND



SIGNING LEGEND

- NL = INSTALL NEW SIGN ON STREET LIGHT STANDARD (TYPE 15)
- NP = INSTALL NEW SIGN AND NEW POST
- Np = INSTALL NEW SIGN ON EXISTING POST
- NS = INSTALL NEW SIGN ON SIGNAL STANDARD
- RE = EX SIGN AND POST TO REMAIN
- RL = RELOCATE AND REUSE EX SIGN AND POST
- Rs = REMOVE AND SALVAGE EX SIGN
- Ns = INSTALL NEW SIGN ON EX SIGNAL STANDARD
- RS = REMOVE AND SALVAGE EX SIGN AND POST
- NEW OVERHEAD SIGN
- EX SIGN AND EX POST
- NEW SIGN AND NEW POST
- EX SIGN AND EX BARRICADE
- NEW SIGN AND NEW BARRICADE
- EX DELINIATOR AND POST
- NEW DELINIATOR AND POST

SIGNING AND STRIPING NOTES

- ALL MARKINGS SHALL BE IN CONFORMANCE WITH LATEST CALTRANS STANDARD PLANS (2023).
- ALL SIGNING, STRIPING AND MARKINGS WITHIN CALTRANS RIGHT-OF-WAY SHALL BE IN CONFORMANCE WITH THE LATEST CA MUTCD (2014, REVISION 8) AND CALTRANS 2023 STANDARD PLANS.
- ALL STRIPING SHALL BE THERMOPLASTIC.
- ALL ROAD SIGNS SHALL BE IN CONFORMANCE WITH LATEST CALIFORNIA MUTCD.
- ALL EXISTING STRIPING AND PAVEMENT MARKINGS WITHIN THE DEMOLITION LIMIT SHALL BE REMOVE UNLESS OTHERWISE NOTED, SEE DEMOLITION PLAN.
- SEE CA MUTCD (2014, REVISION 8) FOR SIGNS NOT INCLUDED IN SIGN CODE LIST

SIGN CODE

- OM 1-2 TYPE 1 OBJECT MARKER
- N-1 (CA) TYPE 1 OBJECT MARKER
- R10-7 DO NOT BLOCK INTERSECTION
- R1-2 YIELD
- R1-5 YIELD HERE TO PEDESTRIANS
- R13A (CA) NO TURN ON RED
- R2-1 SPEED LIMIT
- R26 (CA) NO PARKING ANY TIME
- R28D (CA) NO PARKING VEHICLES OVER 6' HIGH
- R3-1 NO RIGHT TURN
- R3-18 NO LEFT OR U TURN
- R3-2 NO LEFT TURN
- R3-4 NO U TURN
- R3-8 MOD INTERSECTION LANE CONTROL (2 LANE: LT ONLY, THRU)
- R3-8a INTERSECTION LANE CONTROL (3 LANE: LT ONLY, LT/THRU, RT ONLY)
- R4-7 KEEP RIGHT (ISLAND AND ARROW)
- R4-8 KEEP LEFT (ISLAND AND ARROW)
- R48-1 (CA) RADAR ENFORCED
- R5-1 DO NOT ENTER
- R5-1a WRONG WAY
- R6-1 ONE WAY
- R10-15 TURNING VEHICLES YIELD TO PEDESTRIANS
- R61-7 (CA) DOUBLE LANE CONTROL
- R73-6 (CA) DOUBLE LANE LEFT TURN NO U-TURN
- W11-2 PEDESTRIAN CROSSING
- W16-7P DIAGONAL DOWNWARD ARROW
- W74 R (CA) THRU TRAFFIC MERGE RIGHT
- D9-2/D9-13aP HOSPITAL SYMBOL WITH "HOSPITAL"
- G8-# (CA) GUIDE SIGNS
- G72 (CA) REGIONAL PARK GUIDE SIGN

PAVEMENT MARKING LEGEND

- INSTALL NEW PAVEMENT MARKING
- EXISTING PAVEMENT MARKING TO REMAIN
- REMOVE EXISTING PAVEMENT MARKING

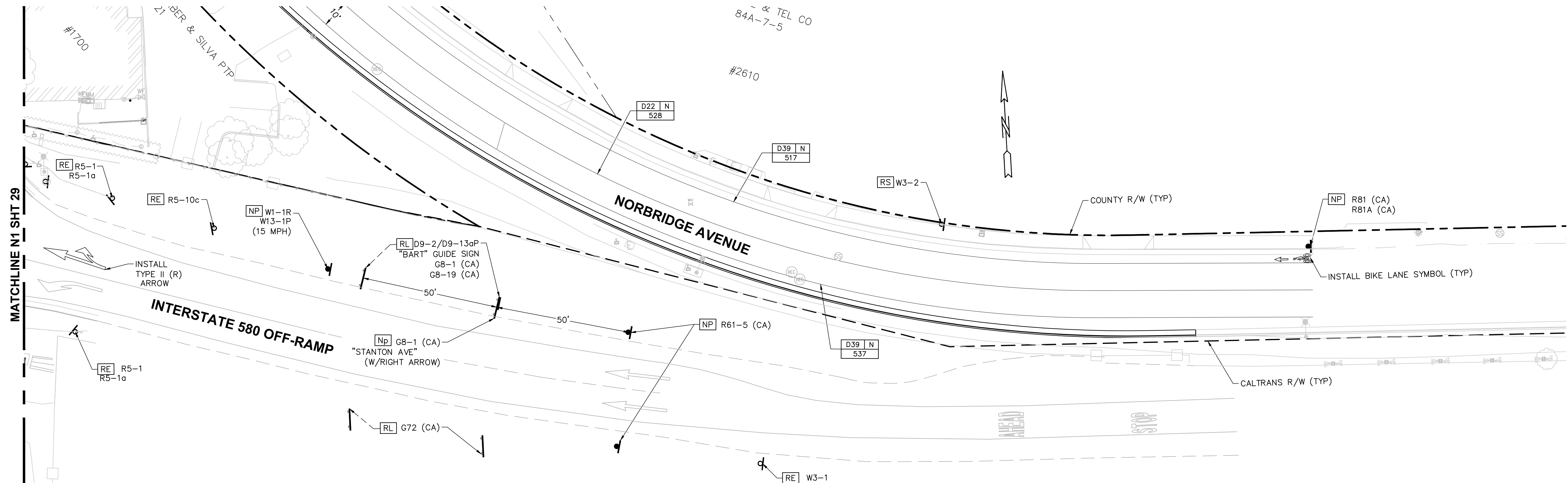


NOTES:

- THE ARROW IS CENTERED VERTICALLY ON MESSAGE
- COLORS: BORDER & LEGEND - WHITE (REFLECTIVE); BACKGROUND - GREEN (REFLECTIVE)

G8-1 (CA) SIGN DETAIL
NTS

3

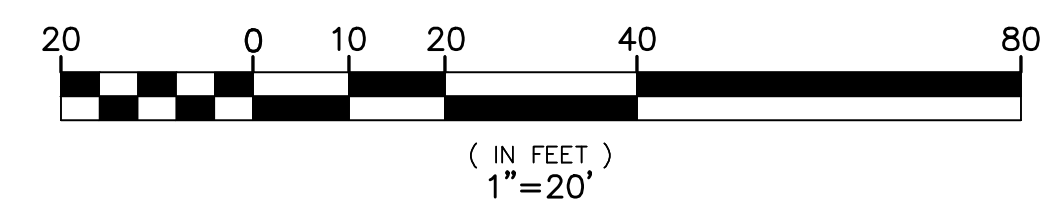


NOTES:

- STRIPING DIMENSIONS ARE TAKEN FROM FACE OF CURB
- TRAFFIC STRIPES AND PAVEMENT MARKING THAT WILL BE REMOVED DURING MILLING AND ROADWAY EXCAVATION OPERATIONS ARE SHOWN FOR REFERENCE AND MAY NOT BE LABELED FOR REMOVAL

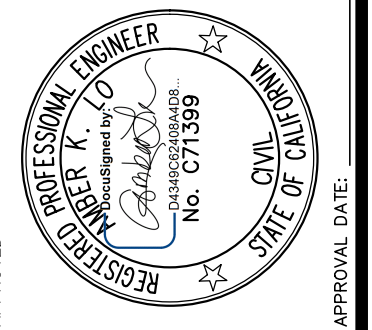
PLAN - NORBRIDGE AVENUE

SCALE: 1"=20'



REVISIONS

NO.	DESCRIPTION	BY	DATE	APPROVED
1	SHEET REPLACED-SUPERSEDES SHIT 31	MM	04/25/24	AL



COUNTY OF ALAMEDA PUBLIC WORKS AGENCY

WORK ORDER NO.	R26278
SPECIFICATION NO.	2445
SHEET NO.	31A OF 41
FILE NO.	U-441-2

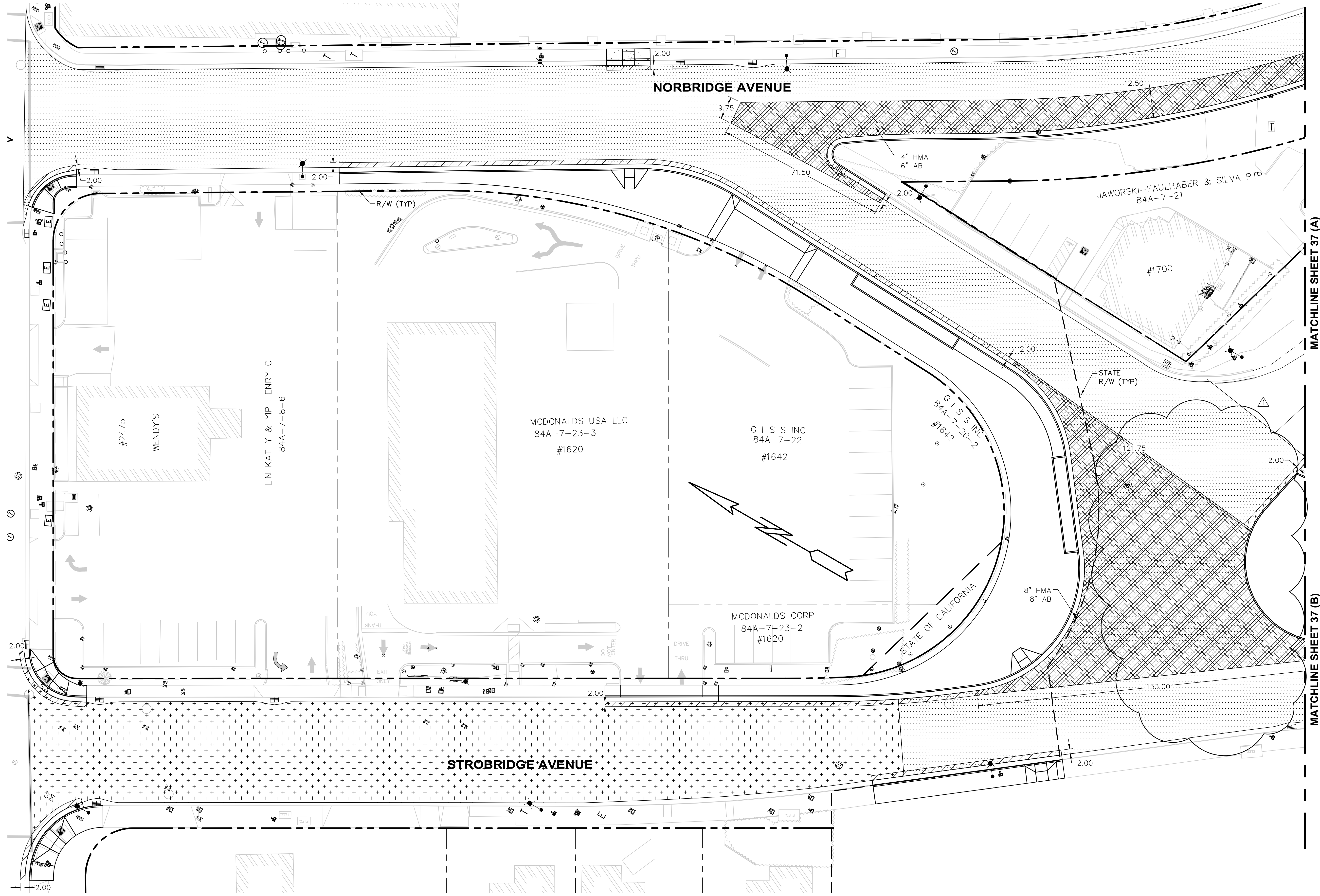
APPROVAL RECOMMENDED	DATE	SCALE
MAR 2024	1" = 20'	

DESIGNED BY	CHECKED BY
MARSTON MARAVILLA	MARSTON MARAVILLA

THE INTERSECTION IMPROVEMENTS AT NORBRIDGE AVENUE AND STROBRIDGE AVENUE IN THE VICINITY OF INTERSTATE 580
SIGNING AND STRIPING PLAN

CONSTRUCTION	REVIEWED BY:	DATE:	SURVEY	REVIEWED BY:	DATE:
MAINTENANCE			TRAFFIC		
REAL ESTATE			ENVIRONMENTAL		

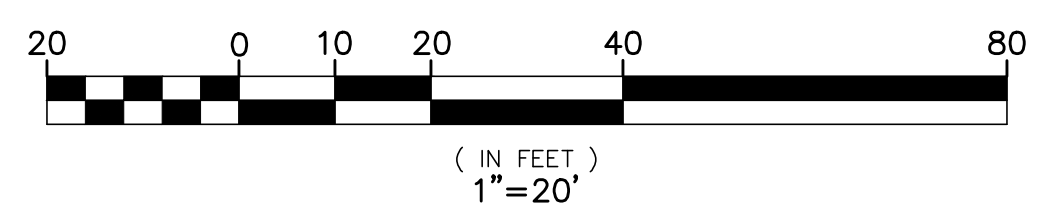
N:\3D\ROAD\Norbridge-Norbridge Intersection Project\Sheets\PAVING PLAN-STROBRIDGE NORBRIDGE.dwg 4-26-24 09:54:29 AM moritoni



LEGEND

	TYPE A HMA PLUG (6" DEPTH)		MILL & OVERLAY 2"
	NEW STRUCTURAL SECTION		SLURRY SEAL RESURFACING, TYPE II

PLAN
SCALE: 1"=20'



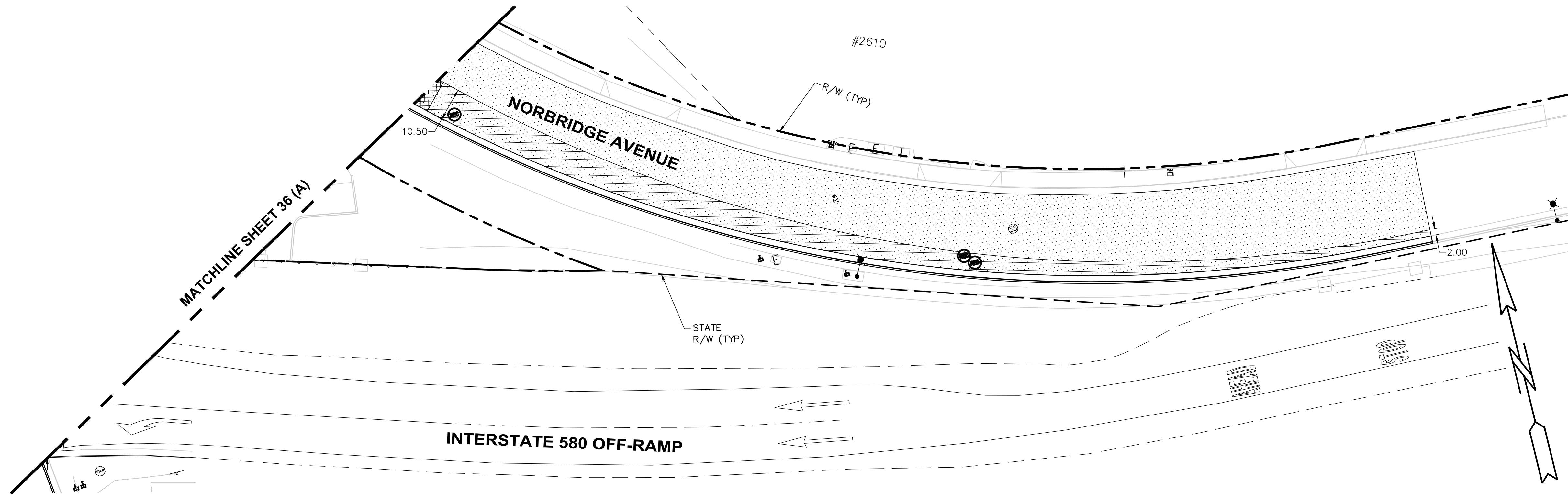
FOR REDUCED ENGLISH PLANS
ORIGINAL SCALE IS IN INCHES

MATCHLINE SHEET 37 (A)
MATCHLINE SHEET 37 (B)

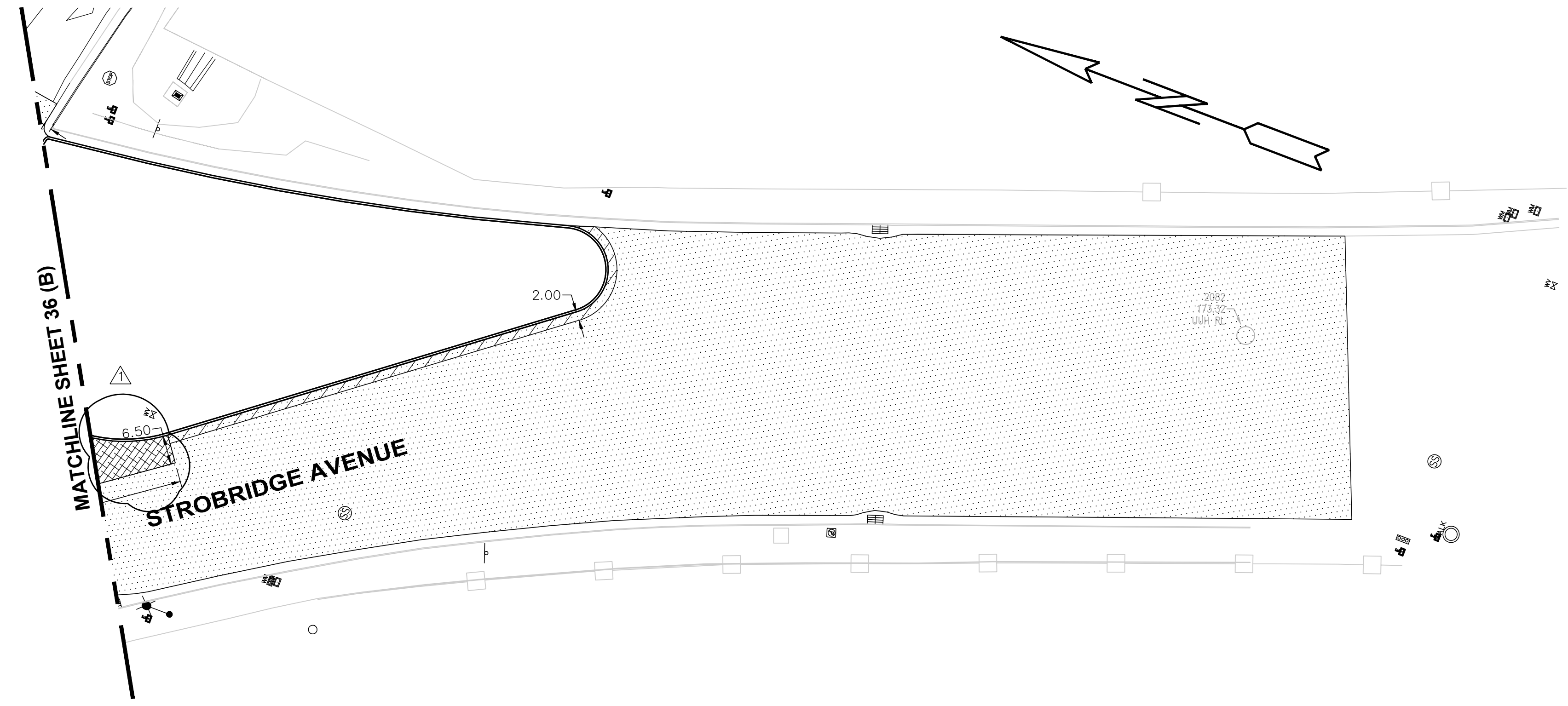
		REVISIONS <table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>BY</th> <th>DATE</th> <th>APPV'D</th> </tr> <tr> <td>1</td> <td>SHEET REPLACED-REVISIONS CLOUDED</td> <td>MM</td> <td>04/25/24</td> <td>AL</td> </tr> </table>	NO.	DESCRIPTION	BY	DATE	APPV'D	1	SHEET REPLACED-REVISIONS CLOUDED	MM	04/25/24	AL
NO.	DESCRIPTION	BY	DATE	APPV'D								
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COUNTY OF ALAMEDA PUBLIC WORKS AGENCY		THE INTERSECTION IMPROVEMENTS AT NORBRIDGE AVENUE AND STROBRIDGE AVENUE IN THE VICINITY OF INTERSTATE 580 PAVING PLAN										
DRAWN BY: MARITON MARAVALLA DESIGNED BY: MARITON MARAVALLA CHECKED BY: AMBER K. LO	APPROVAL RECOMMENDED BY: MARITON MARAVALLA APPROVAL RECOMMENDED BY: MARITON MARAVALLA	DATE: MAR 2024 SCALE: 1"=20'	WORK ORDER NO.: R26278 SPECIFICATION NO.: 2445 SHEET NO.: 36A OF 41 FILE NO.: U-441-2									

CONSTRUCTION	REVIEWED BY:	DATE:	REVIEWED BY:	DATE:
MAINTENANCE				
REAL ESTATE				
	SURVEY			
	TRAFFIC			
	ENVIRONMENTAL			

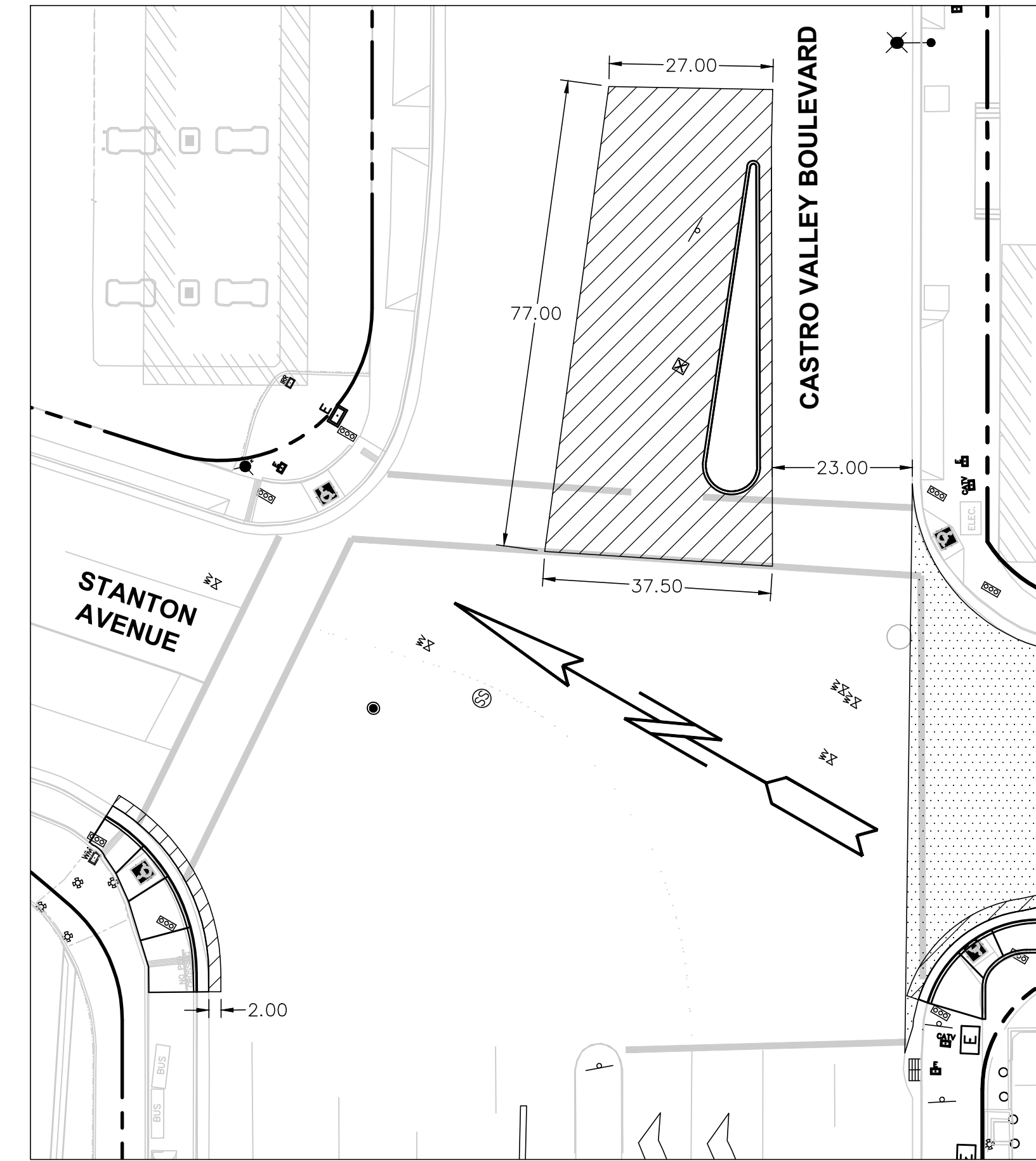
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PLAN
SCALE: 1"=20'



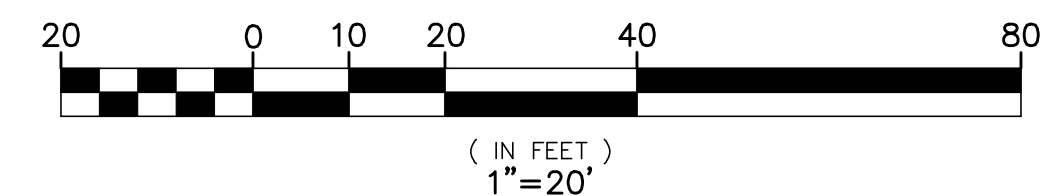
PLAN
SCALE: 1"=20'



PLAN
SCALE: 1"=20'

LEGEND

- TYPE A HMA PLUG (6" DEPTH)
- MILL & OVERLAY 2"



FOR REDUCED ENGLISH PLANS
ORIGINAL SCALE IS IN INCHES



REVISIONS	
NO.	DESCRIPTION
1	SHEET REPLACED-REVISIONS CLOUDED
2	
3	
4	
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BY	DATE
MM	04/25/24
AL	APPV/D

COUNTY OF ALAMEDA ☆ **PUBLIC WORKS AGENCY**

THE INTERSECTION IMPROVEMENTS AT NORBRIDGE AVENUE AND STROBRIDGE AVENUE IN THE VICINITY OF INTERSTATE 580

PAVING PLAN

WORK ORDER NO. **R26278**

SPECIFICATION NO. **2445**

SHEET NO. **37A OF 41**

FILE NO. **U-441-2**

APPROVAL: RECOMMENDED

APPROVAL: RECOMMENDED

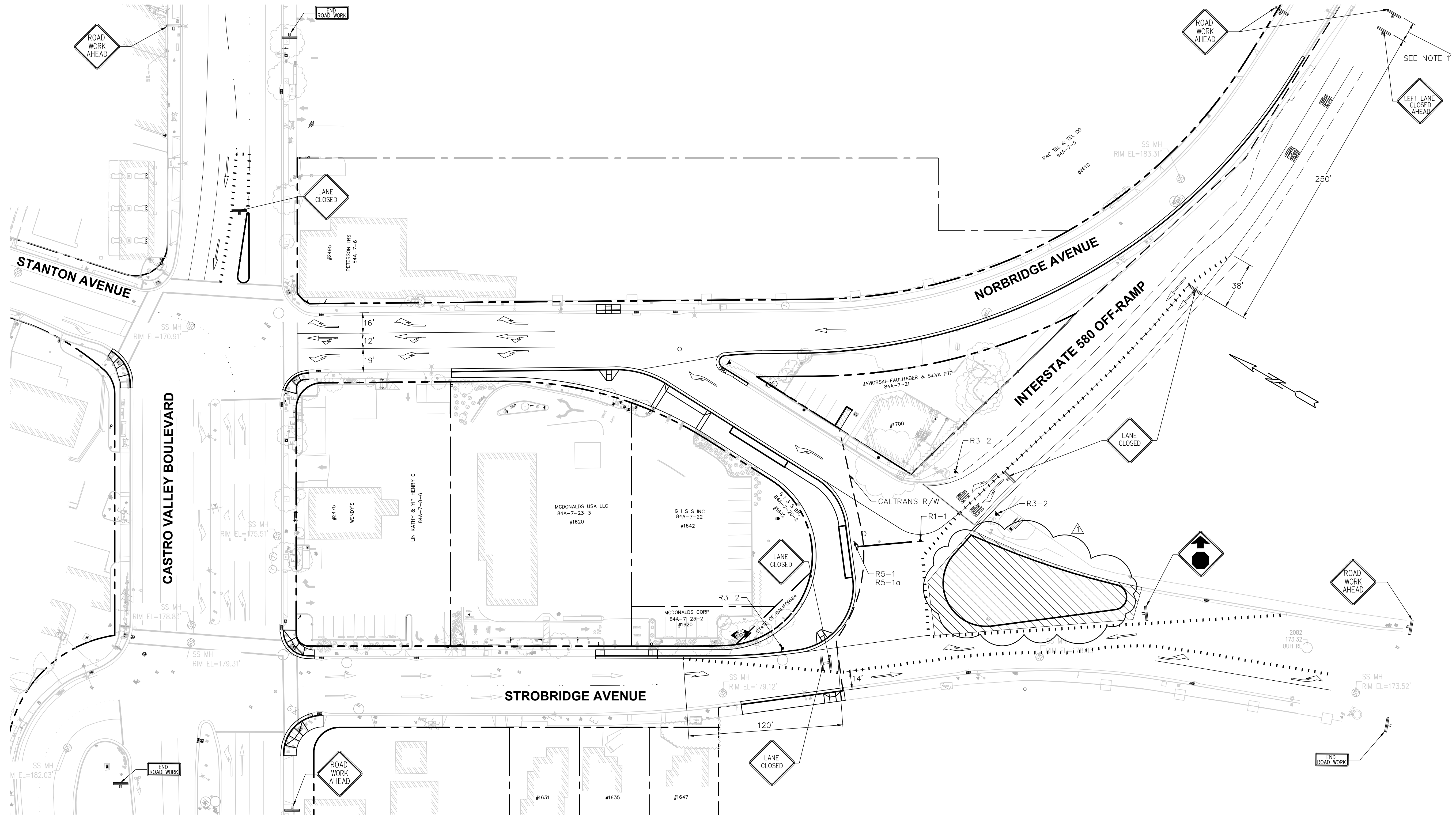
APPROVAL: RECOMMENDED

DATE: **MAR 2024** SCALE: **1"=20'**

APPROVED: [Professional Engineer Seal]

CONSTRUCTION	REVIEWED BY:	DATE:	REVIEWED BY:	DATE:
MAINTENANCE	SURVEY		TRAFFIC	
REAL ESTATE	ENVIRONMENTAL			

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LEGEND

- WORK AREA
- TRAFFIC CONES
- TEMPORARY SIGN
- TEMPORARY TRAFFIC CONTROL SIGN

STAGE 3 WORK

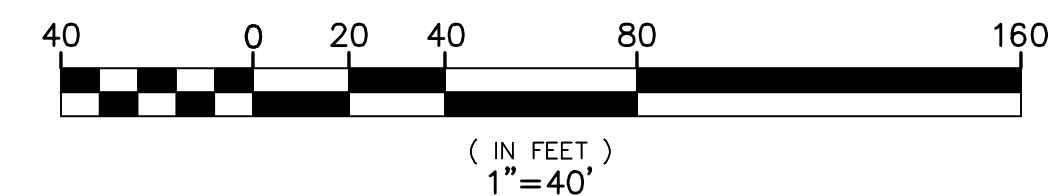
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2. COMPLETE TRAFFIC SIGNAL IMPROVEMENTS
3. INSTALL NEW SIGNS
4. LANDSCAPING WORK

NOTES

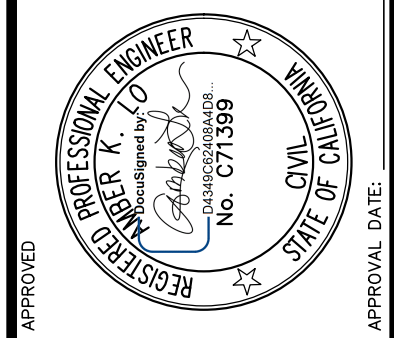
1. SEE CALTRANS STD PLANS T9-T14 FOR TYPICAL LANE CLOSURES AND PLACEMENT OF TRAFFIC CONTROL DEVICES
2. WORK AREA FOR TRAFFIC SIGNAL WORK NOT SHOWN.
3. NOT ALL CONSTRUCTION AREA SIGNS SHOWN. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING A TRAFFIC CONTROL PLAN APPROPRIATE FOR EACH STAGE OF WORK.
6. ALL STRIPING SHALL BE TEMPORARY STRIPING UNLESS OTHERWISE NOTED
7. TRAFFIC SIGNAL OPERATION CHANGES SHALL NOT GO INTO EFFECT UNTIL FINAL STRIPING AND SIGNING WORK IS COMPLETED
8. NEW PERMANENT SIGNS SHALL BE COVERED UNTIL COMPLETION OF STAGE 4

STAGE 3 PLAN

SCALE: 1"=40'



NO.	DESCRIPTION	BY	DATE	APPV'D



APPROVAL RECOMMENDED	DATE	SCALE
APPROVAL RECOMMENDED	MAR 2024	1"=40'
DESIGNED	DATE	SCALE
CHECKED	MAR 2024	1"=40'

COUNTY OF ALAMEDA ☆ **PUBLIC WORKS AGENCY**
THE INTERSECTION IMPROVEMENTS AT
NORBRIDGE AVENUE AND STROBRIDGE AVENUE
IN THE VICINITY OF INTERSTATE 580
STAGE 3 PLAN

WORK ORDER NO.	R26278
SPECIFICATION NO.	2445
SHEET NO.	40A OF 41
FILE NO.	U-441-2

