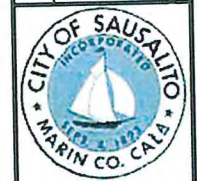


CITY OF SAUSALITO, CALIFORNIA

GATE 6 ROAD INTERSECTION MODIFICATIONS PROJECT

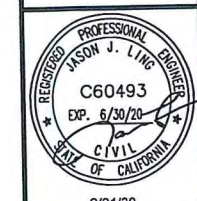
PROJECT NO: CML5098(012)

REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPOS COMMENTS
3	AMENDMENT 3



420 Lito St.
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415-289-4113 tel.

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415 658 5850 tel.
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2/21/20

GATE 6 INTERSECTION MODIFICATIONS
TITLE SHEET
LOCATION AND VICINITY MAP

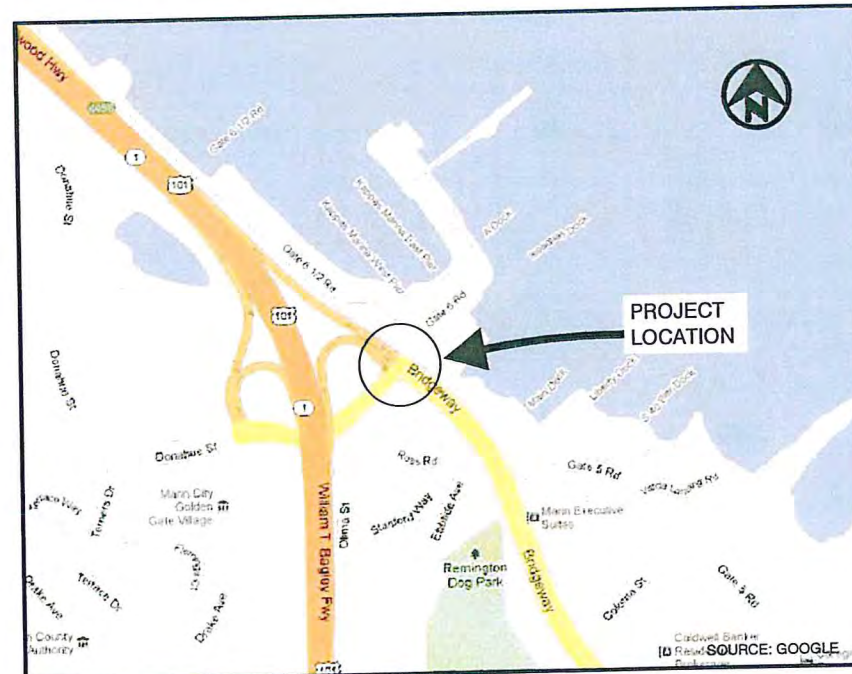
DATE:	2/21/2020
SCALE:	AS SHOWN
DRAWN BY:	MLK
PROJECT NO:	CML5098(012)
SHEET	

G-1.0

1 OF 26 SHEETS

INDEX OF DRAWINGS

ITEM NO.	SHEET NO.	PLAN & TITLE
GENERAL		
1	G-1.0	TITLE SHEET, LOCATION AND VICINITY MAP
2	G-1.1	GENERAL NOTES
CIVIL		
3	C-1.1	SYMBOLS AND LEGEND
4	C-1.2	EXISTING CONDITIONS
5	C-1.3	DEMOLITION PLAN
6	C-1.4	CONTROL POINTS, STREET AND TOP OF CURB ALIGNMENT DATA
7	C-2.1	TYPICAL SECTIONS
8	C-2.2	LAYOUT PLAN
9	C-2.3	CURB RAMP ENLARGED PLAN
10	C-2.4	CURB RAMP ENLARGED PLAN
11	C-2.5	CURB RAMP ENLARGED PLAN
12	C-2.6	CURB PROFILES
13	C-3.1	PAVEMENT DELINEATION
14	C-3.2	SIGNAGE PLAN
15	C-3.3	STAGE CONSTRUCTION PLAN
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20	C-5.2	EROSION CONTROL DETAILS
ELECTRICAL		
21	E-1	ELECTRICAL INDEX, NOTES, ABBREVIATIONS AND LEGEND
22	E-2	MODIFY SIGNAL AND LIGHTING SYSTEMS
23	E-3	MODIFY SIGNAL AND LIGHTING SYSTEMS
24	E-4	MODIFY SIGNAL AND LIGHTING SYSTEMS
25	E-5	MODIFY RAMP METERING SYSTEMS
26	E-6	ELECTRICAL SYSTEMS DETAILS



LOCATION MAP

NOT TO SCALE



VICINITY MAP

NOT TO SCALE

PROJECT CONSULTANTS			
CLIENT	CITY OF SAUSALITO CITY ENGINEER 420 LITHO STREET SAUSALITO, CA 94965 (415) 289-4176 tel	BICYCLE/ PEDESTRIAN SPECIALIST	BICYCLE SOLUTIONS 511 ANDERSON STREET SAN FRANCISCO, CA 94110 (415) 912-6999 tel
PRIME CONSULTANT	URBAN DESIGN CONSULTING ENGINEERS 350 TOWNSEND, STE. 409 SAN FRANCISCO, CA 94107 (415) 658-5850 tel	SIGNAL DESIGNER	Y&C TRANSPORTATION CONSULTANTS, INC. 3250 RAMOS CIRCLE SACRAMENTO, CA 95827 (916) 366-8000 tel
TRANSPORTATION ENGINEER	KITTLESON & ASSOCIATES, INC. 155 GRAND AVENUE, STE. 900 OAKLAND, CA 941612 (510) 839-1742 tel	LAND SURVEYOR	CINQUINI & PASSARINO LAND SURVEYING, INC. 1360 NORTH DUTTON, STE. 150 SANTA ROSA, CA 95401 (707) 542-6268 tel (707) 542-2106 fax

Kevin McGowan 4/2/20
APPROVED
KEVIN MCGOWAN
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER

GENERAL NOTES

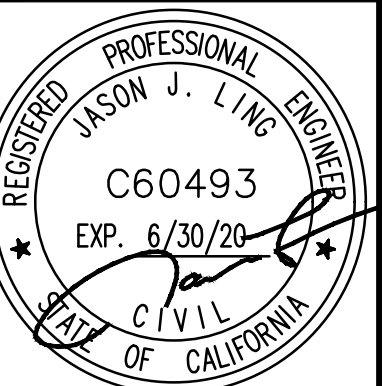
1. NO WORK SHALL START UNTIL ALL NECESSARY PERMITS ARE OBTAINED FROM THE CITY OF SAUSALITO.
2. PROPOSED IMPROVEMENTS IN CITY & COUNTY RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH THE UNIFORM CONSTRUCTION STANDARDS, ALL CITIES AND COUNTY OF MARIN, AND SHALL MEET THE APPROVALS OF THE CITY ENGINEER OF THE CITY OF SAUSALITO. FOR DETAILS NOT SHOWN ON THESE PLANS, REFER TO THE UNIFORM CONSTRUCTION STANDARDS, CURRENT EDITION. WORK IN CALTRANS RIGHT OF WAY SHALL CONFORM TO CALTRANS STANDARDS, REVISIONS THERETO, AND THE PROJECT SPECIAL PROVISIONS.
3. ALL GENERAL CONTRACTORS AND SUBCONTRACTORS MUST HAVE A CITY OF SAUSALITO BUSINESS LICENSE.
4. CONTRACTOR IS REQUIRED TO OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF SAUSALITO. CITY HAS OBTAINED ENCROACHMENT PERMIT FROM COUNTY (NO. 16-603A). CALTRANS ENCROACHMENT PERMIT IS TO BE PROVIDED. CONTRACTOR SHALL CONFORM TO ALL REQUIREMENTS OF EACH ENCROACHMENT PERMIT.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A PERMIT COPY OF CONSTRUCTION PLANS AND PERMITS AT THE PROJECT SITE DURING CONSTRUCTION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ROADS OR ADJACENT PUBLIC OR PRIVATE PROPERTY CAUSED BY CONSTRUCTION RELATED WORK, AND SHALL BE RESPONSIBLE FOR ANY OTHER WORK REQUIRED TO PREVENT SUCH DAMAGE.
7. CONTRACTOR SHALL PROVIDE AND MAINTAIN VEHICULAR, BICYCLE, AND PEDESTRIAN TRAFFIC ON ALL EXISTING STREETS DURING CONSTRUCTION. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN TO BE APPROVED BY THE CITY AND CALTRANS.
8. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (U.S.A) AT (800) 227-2600 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTACTING U.S.A. DOES NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO DETERMINE LOCATION AND DEPTH OF BURIED UTILITIES.
9. ANY POTHOLING SHALL BE DONE BY THE VACUUM TYPE METHOD, NOT WITH HEAVY EXCAVATION EQUIPMENT.
10. ALL EXCAVATIONS 5 FEET IN DEPTH OR GREATER SHALL BE SHORED AND BRACED ACCORDING TO OSHA REGULATIONS.
11. THE REMOVAL AND DISPOSAL OF DEMOLITION ITEMS (POWER POLES, FENCES, RETAINING WALLS, TREES, STRUCTURES, PIPELINES, ETC.) SHALL BE AT THE CONTRACTOR'S EXPENSE.
12. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL DEMOLITION AND CONSTRUCTION STAGING AMONG ALL ADJACENT PROJECTS, INCLUDING BUT NOT LIMITED TO TRAFFIC HANDLING, CURB RETURNS, UTILITIES, TRAFFIC SIGNALS AND DRAINAGE.
13. ALL DEBRIS AND UNSUITABLE MATERIAL WITHIN THE AREA OF WORK, WHICH IS NOT INCORPORATED IN THE WORK, SHALL BE REMOVED TO A LEGAL DUMPSITE AT THE EXPENSE OF THE CONTRACTOR.
14. STREET SIGNAGE SHALL BE MAINTAINED UNTIL RELOCATION OR ALTERNATE SIGNAGE IS INSTALLED AND APPROVED OR REMOVAL IS AUTHORIZED BY THE CITY IN ACCORDANCE WITH APPLICABLE LAW.
15. THE CONTRACTOR SHALL EXERCISE CARE WHEN WORKING NEAR EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ALL DAMAGE, BREAKAGE OR LEAKS CAUSED BY HIS WORK.
16. PIPE INSTALLED WITH THIS PROJECT SHALL BE AS SPECIFIED ON THESE PLANS.
17. EXISTING CONTOURS SHOWN ARE INTERPRETED FROM THE FIELD SURVEY'S EXISTING SPOT ELEVATIONS.
18. THE CONTRACTOR SHALL CONFIRM BY POTHOLING PROPOSED STORM DRAIN PIPE ALIGNMENTS ARE FREE OF OBSTRUCTIONS. NOTIFY ENGINEER IF OBSTRUCTIONS ARE ENCOUNTERED.
19. THE CONTRACTOR SHALL NOT TURN OFF ANY VALVES OR MAKE ANY CONNECTIONS TO THE EXISTING DOMESTIC WATER DISTRIBUTION SYSTEM WITHOUT WRITTEN CONSENT OF THE MARIN MUNICIPAL WATER DISTRICT. CONNECTIONS REQUIRING SHUTDOWN OF THE EXISTING SYSTEMS SHALL BE DONE BETWEEN THE HOURS OF MIDNIGHT AND 6 A.M. OR AS DIRECTED BY THE CITY ENGINEER.
20. SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR FURTHER EXPLANATION AS MAY BE NECESSARY PRIOR TO CONSTRUCTION.
21. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN CONSENT OF THE ENGINEER AND CITY ENGINEER.
22. WHERE A CONFLICT OCCURS BETWEEN THE PROJECT SPECIFICATIONS, THE UNIFORM CONSTRUCTION STANDARDS, CALTRANS STANDARD SPECIFICATION AND STANDARD PLANS, AND RECOMMENDATIONS BY THE CONTRACTOR, THE MOST STRINGENT SHALL APPLY.
23. ALL QUANTITIES AND PAY ITEMS ARE AND WILL BE BASED ON HORIZONTAL MEASUREMENTS.
24. CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, MARKINGS, BARRICADES, FLAGMAN, OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY AS REQUIRED, OR AS DIRECTED BY CITY ENGINEER. THE CONTRACTOR SHALL PROVIDE THE CITY ENGINEER WITH A TRAFFIC CONTROL PLAN FOR THE PORTIONS OF WORK WHICH WILL REQUIRE LANE CLOSURES OR DETOURS. THIS PLAN SHALL BE SUBMITTED FOUR WEEKS IN ADVANCE OF THESE CONSTRUCTION ACTIVITIES FOR CITY & CALTRANS REVIEW AND APPROVAL.
25. CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE, COUNTY, CITY AND OSHA CONSTRUCTION SAFETY ORDERS.
26. ALL CONSTRUCTION EQUIPMENT POWERED BY INTERNAL COMBUSTION ENGINES SHALL BE MUFFLED AND MAINTAINED. STATIONARY NOISE-GENERATING CONSTRUCTION EQUIPMENT, SUCH AS AIR COMPRESSORS, SHALL BE LOCATED AS FAR AWAY AS POSSIBLE FROM EXISTING RESIDENCES.
27. ALL STORM DRAIN INLETS MUST BE LABELED "NO DUMPING - DRAINS TO BAY" USING APPROVED METHODS.
28. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE BY START OF CONSTRUCTION AND MUST BE MAINTAINED AND OPERATIONAL UNTIL THE COMPLETION OF CONSTRUCTION ACTIVITIES.
29. ALL GRADING ACTIVITIES SHALL COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND EROSION CONTROL PLAN. THE CONTRACTOR SHALL MEET AND FOLLOW ALL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS IN EFFECT AT THE TIME OF CONSTRUCTION. CONTRACTOR SHALL PREPARE AND OBTAIN APPROVAL OF A SWPPP FOR THE PROJECT.
30. ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE CITY ENGINEER, AND THE UTILITY OWNER AT THE CONTRACTOR'S SOLE EXPENSE.
31. ALL WORK AND NOISE CREATED BY THIS PROJECT, INCLUDING BUT NOT LIMITED TO, WARMING OF EQUIPMENT MOTORS IN RESIDENTIAL ZONES, OR WITHIN FIVE HUNDRED (500) FEET OF ANY RESIDENTIAL OCCUPANCY, SHALL BE LIMITED TO THE HOURS OF 8:00 AM TO 6:00 PM WEEKDAYS, AND SATURDAYS 9:00 AM TO 5:00 PM UNLESS OTHER HOURS ARE APPROVED BY THE CITY ENGINEER, AND UPON RECEIPT OF EVIDENCE THAT AN EMERGENCY EXISTS WHICH WOULD CONSTITUTE A HAZARD TO PERSONS OR PROPERTY. SEE ALSO NOTE 38.
32. STOCKPILING OF MATERIALS SHALL BE SUBJECT TO CITY APPROVAL AND SHALL BE REMOVED OR RELOCATED WHEN REQUIRED FOR PUBLIC HEALTH AND SAFETY.
33. THE LOCATION AND SIZES OF THE UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE OR SCHEMATIC IN NATURE USING INFORMATION FURNISHED BY THE RESPECTIVE AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITY INFORMATION AND TAKING PROPER PRECAUTIONS TO PROTECT EXISTING UTILITIES. UTILITIES SHALL BE FIELD-VERIFIED BY POTHOLING PRIOR TO COMMENCING ANY GRADING, DEMOLITION, TRENCHING OR ROAD EXCAVATION.
34. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT UTILITY LINES AND STRUCTURES SHOWN AS WELL AS ANY AND ALL OTHERS NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS. EXISTING UTILITY SERVICE LATERALS ARE SPECIFICALLY NOT SHOWN ON THESE DRAWINGS AND ARE TO BE PROTECTED BY THE CONTRACTOR.
35. ALL EXISTING SURVEY MONUMENTS SHALL BE PRESERVED. ANY MONUMENT DISTURBED WITHOUT THE WRITTEN CONSENT OF THE CITY SURVEYOR MAY INCUR A FINE OF UP TO \$5000. CONTRACTOR SHALL ARRANGE AND PAY FOR PREVIOUS STRUCTURE REFERENCING AND REPLACEMENT OF ANY MONUMENT WHICH MAY BE DISTURBED BY HIS WORK. REFER TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE.
36. THE CONTRACTOR SHALL NOT DESTROY ANY PERMANENT SURVEY POINTS WITHOUT THE CONSENT OF THE CITY ENGINEER. ANY PERMANENT MONUMENT OR BENCHMARK DESTROYED SHALL BE REPLACED BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE. THE PROJECT SURVEYOR SHALL FILE A CORNER RECORD WITH THE COUNTY AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THE SURVEY IS DONE BY THE CONTRACTOR, MONUMENTS WITH THE POTENTIAL TO BE IMPACTED BY THE WORK SHALL BE REFERENCED AND RECORDS FILED (BY THE CONTRACTOR'S SURVEYOR) WITH THE COUNTY SURVEYOR. PRIOR TO THE START OF ANY EXCAVATION AT THE SITE, COPIES OF THE RECORDED DOCUMENTS SHALL BE DELIVERED TO THE CITY SURVEYOR.
37. CURB RAMPS: DETECTABLE SURFACE SHALL BE ARMOR-TILE ADA-C, YELLOW COLOR NO. 33538, FED-STD-395.
38. WORK ON COUNTY PROPERTY SHALL BE LIMITED TO WORK HOURS STIPULATED IN COUNTY ENCROACHMENT PERMIT.

REVISIONS

1	SIDEWALK GRADING REVISED
2	MCPOS COMMENTS
3	AMENDMENT 3



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2/21/20

GATE 6 INTERSECTION
MODIFICATIONS
GENERAL NOTES

DATE: 2/21/2020

SCALE: AS SHOWN

DRAWN BY: MLK

PROJECT NO: CML5098(012)

SHEET

G-1.1

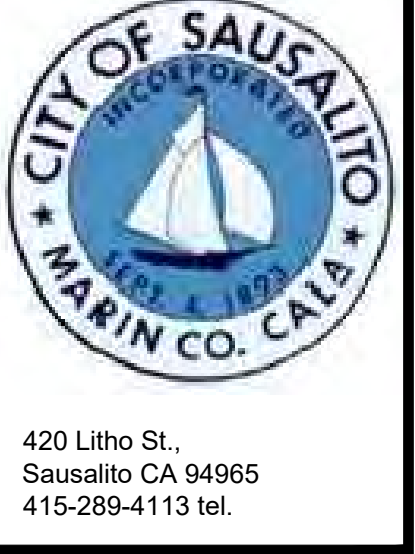
2 OF 26 SHEETS

SYMBOLS & LEGEND

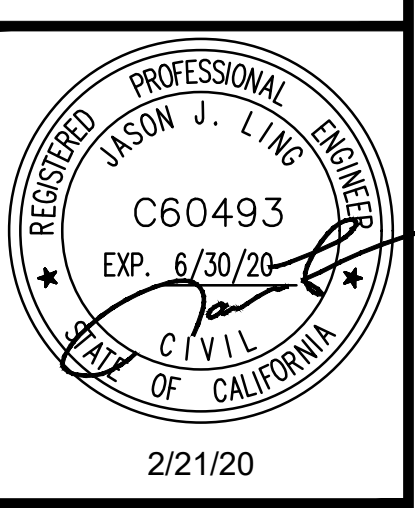
REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPOS COMMENTS
3	AMENDMENT 3

SYMBOL		LEGEND	SYMBOL		LEGEND	SYMBOL		LEGEND	ABBREVIATION:	
EXISTING	PROPOSED		EXISTING	PROPOSED		EXISTING	PROPOSED			
× 157.7	× 158.5	SPOT ELEVATION	CS	CS	COMBINED SEWER SERVICE / MAIN	=====	=====	CURB	AC	ASPHALT CONCRETE
		CATCH BASIN			COMBINED SEWER BOX	=====	=====	CURB & GUTTER	BKW	BACK OF WALK
		SAND TRAP	SD	SD	STORM DRAIN	-----99-----	-----99-----	(E) CONTOURS	CC	CENTER OF CIRCLE
		SIGN	SD	VCP-SD	VITRIFIED CLAY PIPE - STORM DRAIN	-X-X-	-X-X-	(E) FENCE	CONC	CONCRETE
		ROAD SIGN	SD	UD	UNDER DRAIN	-----	-----	R/W	CP	CONTROL POINT
		MANHOLE/MANWAY	JT	JT	JOINT TRENCH UTILITIES	-W-W-	-W-W-	LIMIT OF WORK	(E)	EXISTING
		CLEANOUT/VENT	SS	SS	SANITARY SEWER SERVICE / MAIN	TV	TV	WATER SERVICE	EF	EACH FACE
		WATER METER	G	G	GAS	2GAS	2GAS	COMCAST	EP	EDGE OF PAVEMENT
		FIRE HYDRANT	GST	GST	UNDERGROUND GST	18SS	18SS	2in GAS LINE	FF	FINISH FLOOR
		ELECTRICAL MANHOLE OR HANDHOLE	HHP	HHP	HETCH HETCHY POWER			18in SANITARY SEWER	FG	FINISH GRADE
		POST OR GUARD POST	HVE	HVE	HIGH VOLTAGE ELECTRIC				FL	FLOW LINE
		VALVE AND CORP. STOP	LPW	LPW	LOW PRESSURE WATER				FP	FINISH PAVEMENT
		COMBINATION AIR RELEASE VALVE	HPW	HPW	HIGH PRESSURE WATER				FNC	FENCE
		BLOWOFF	FW	FW	FIRE WATER				FH	FIRE HYDRANT
		CATHODIC PROTECTION TEST STATION	DW	DW	DOMESTIC WATER				GB	GRADE BREAK
		NEW GATE VALVE	RWL	RWL	RECLAIMED WATER LINE				INV	INVERT
		REDUCER	MCI	MCI	UNDERGROUND MCI				MDD	MAXIMUM DRY DENSITY
		SLOPE WITH FLOW DIRECTION	MFN	MFN	UNDERGROUND MFN				MH	MANHOLE
		ASPHALT CONCRETE PAVEMENT	MFS	MFS	UNDERGROUND MFS				(N)	NEW
		CONCRETE SIDEWALK	MSN	MSN	UNDERGROUND MSN				NIC	NOT IN CONTRACT
		TRUNCATED DOMES	NXLK	NXLK	UNDERGROUND NEXTLINK				OFF	OFFSET
		GRANITE CURB & CONC GUTTER/ CONCRETE CURB AND GUTTER	PCB	PCB	UNDERGROUND PACBELL				OG	ORIGINAL GRADE
		CHAIN LINK FENCE	SPR	SPR	UNDERGROUND SPRINT				PPB	PEDESTRIAN PUSH BUTTON
		STRUCTURE, BUILDING OR FACILITY	TCG	TCG	UNDERGROUND TCG				PCC	PORTLAND CEMENT CONCRETE
		CONTOUR LINE							RW	RETAINING WALL
		EMBANKMENT AND SLOPE							R/W	RIGHT OF WAY
		DRAINAGEWAY OR DITCH							S	SLOPE
		GUY ANCHOR							SED	SEE ELECTRICAL DRAWINGS
		LIGHT POLE/UTILITY POLE (SEE POLE SCHEDULE)							STA	STATION
		UTILITY POLE/LIGHT POLE (SEE POLE SCHEDULE)							SD	STORM DRAIN
		COMBINATION POLE							SDI	STORM DRAIN INLET
		DECIDUOUS TREE							SS	SANITARY SEWER
		TREE LOCATION							SSCO	SANITARY SEWER CLEANOUT
									S/W	SIDEWALK
									TBR	TO BE REMOVED
									TC	TOP OF CURB
									TIE	TOP OF WOOD TIE
									TW	TOP OF WALL
									UON	UNLESS OTHERWISE NOTED
									WV	WATER VALVE
									W	WATER

- NOTES:**
- SYMBOLS ON THIS SHEET APPLY ONLY TO THE CIVIL DRAWINGS. REFER TO OTHER DISCIPLINES FOR APPLICABLE SYMBOLS NOT PROVIDED HERE.
 - THIS IS A STANDARD SYMBOL SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET AND MAY NOT BE UTILIZED ON THIS PROJECT.



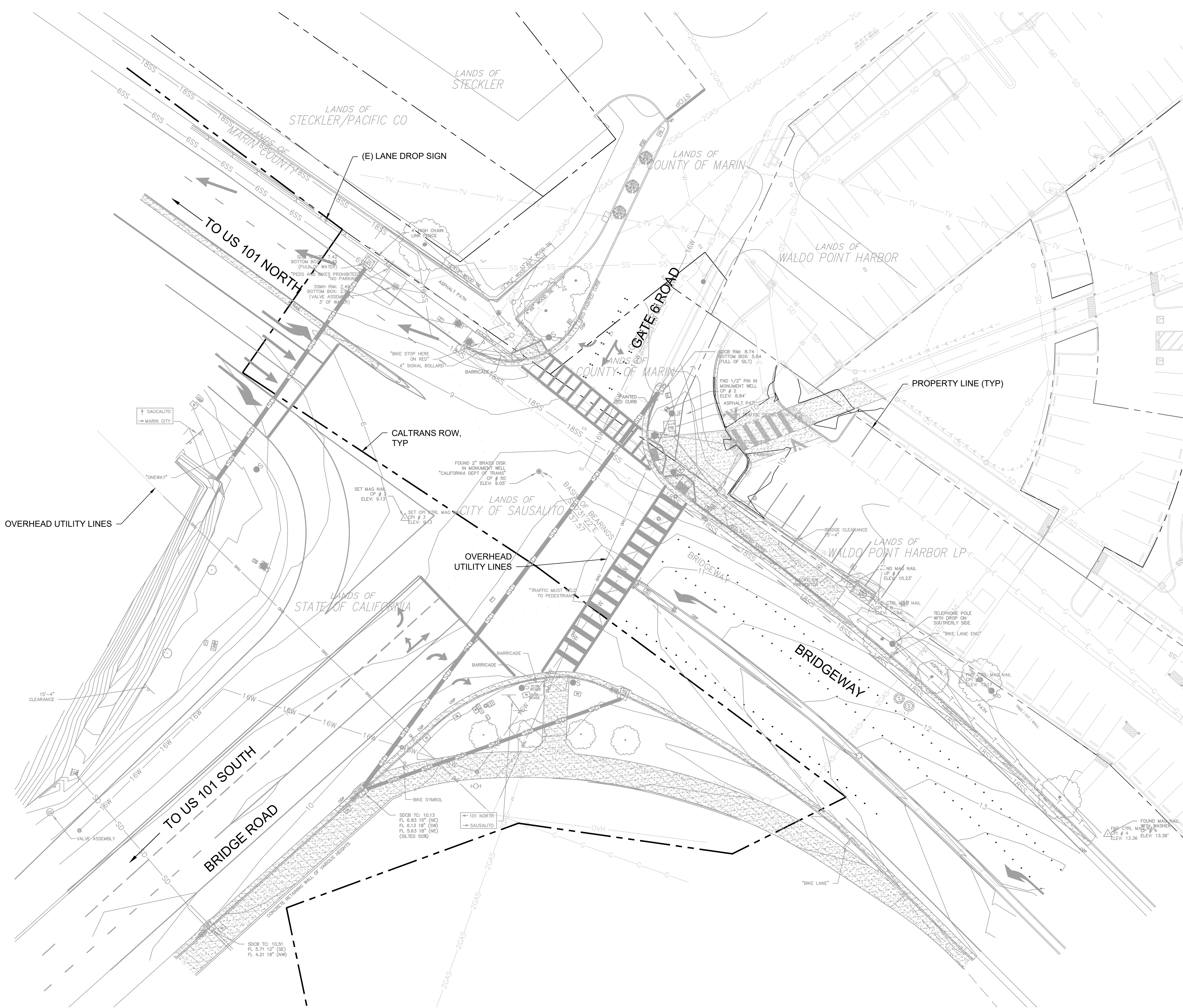
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GATE 6 INTERSECTION MODIFICATIONS SYMBOLS AND LEGEND

DATE:	2/21/2020
SCALE:	AS SHOWN
DRAWN BY:	MLK
PROJECT NO:	CML5098(012)
SHEET	

C-1.1



A EXISTING CONDITIONS PLAN
C-1.2 SCALE: 1" = 20'

SURVEY NOTES:

BENCHMARK
 CINQUINI & PASSARINO, INC. CONTROL PT NO. 2, A FOUND 1/2" STAINLESS STEEL ROD IN A STANDARD MONUMENT WELL WITH A 5" LOGO CAP, BEING NATIONAL GEODETIC SERVICE BENCHMARK F 1444 (PID HT 3533). ELEVATION 8.84 FEET NAVD 88.

BASIS OF BEARINGS
 THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 2, NAD 83, EPOCH 2011.00 AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING SYSTEMS (CGPS) STATION TIBB AND STATION P224; BEING SOUTH 81°35'58" EAST AS DERIVED FROM GEODETIC VALUES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC).

SURVEYOR'S STATEMENT
 THIS MAP REPRESENTS A FIELD SURVEY MADE BY ME OR UNDER MY DIRECTION ON APRIL 24, 2013 AND REPRESENTS THE VISUAL SURFACE CONDITIONS AS OF AFORESAID DATE.

ORIGINAL
 SIGNED BY:
 Anthony G. Cinquini P.L.S. 8614

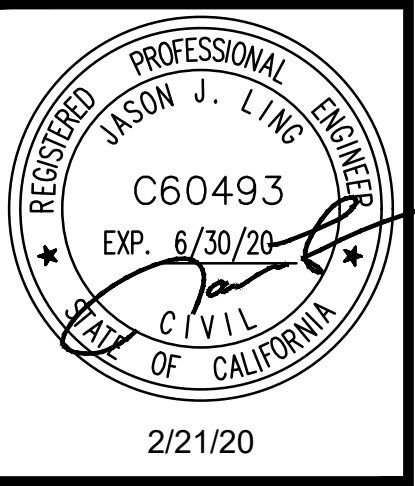
- NOTES:**
- SEE SHEET G-1.1 FOR LEGEND AND ABBREVIATIONS.
 - DRAWING PREPARED BASED ON THE SURVEY DATA PREPARED BY: CINQUINI & PASSARINO, INC., DATED APRIL 24, 2013.
 - UNDERGROUND UTILITIES SHOWN ARE BASED ON RECORD INFORMATION AND HAVE NOT BEEN VERIFIED. CONTRACTOR TO LOCATE AND VERIFY BY POTHOLING ALL UTILITIES ALONG PROPOSED UTILITY ROUTES.

REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPOS COMMENTS
3	AMENDMENT 3



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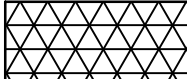
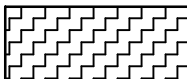



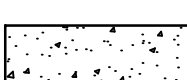
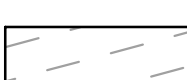


2/21/20

**GATE 6 INTERSECTION
 MODIFICATIONS**

EXISTING CONDITIONS

DATE: 2/21/2020
 SCALE: AS SHOWN
 DRAWN BY: MLK
 PROJECT NO: CML5098(012)
 SHEET

C-1.2

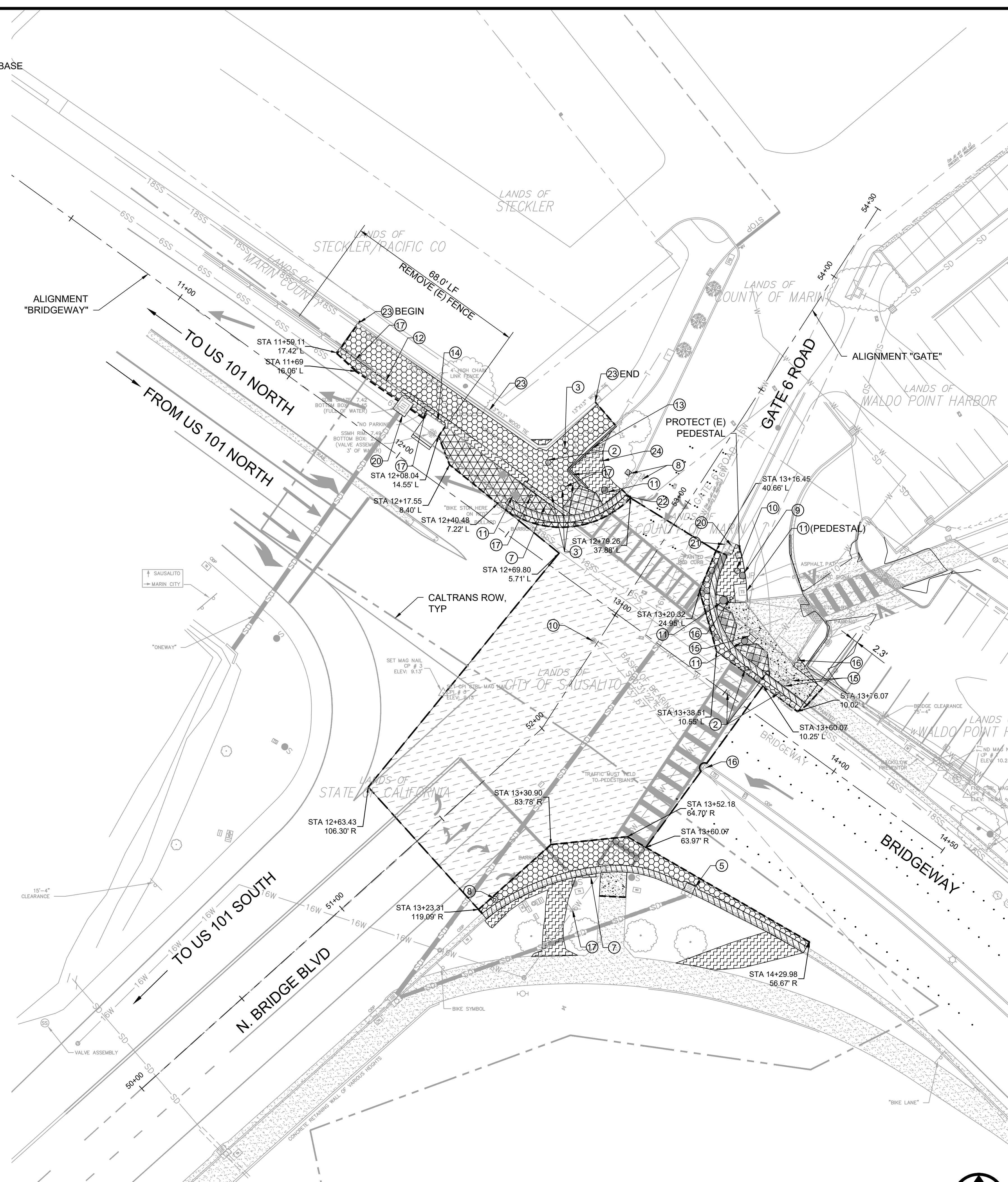
- LEGEND**
-  REMOVE (E) ASPHALT CONCRETE & AGGREGATE BASE
 -  REMOVE (E) PAVEMENT
 -  REMOVE (E) PLANTING
 -  REMOVE (E) CURB & GUTTER
 -  REMOVE (E) CURB RAMP
 -  REMOVE (E) WOOD TIE
 -  REMOVE (E) CONCRETE
 -  GRIND (E) ASPHALT CONCRETE 4"
 -  SAWCUT LINE
 -  LIMIT OF GRIND

KEYNOTES

- ① PROTECT (E) UTILITY BOX
- ② ADJUST (E) UTILITY VALVE COVER TO FINISH GRADE
- ③ REMOVE (E) BOLLARDS
- ④ NOT USED
- ⑤ REMOVE (E) DI
- ⑥ REMOVE (E) SIGN
- ⑦ REMOVE BARRICADE AND RELOCATE SIGN
- ⑧ PROTECT (E) LID
- ⑨ PROTECT (E) JOINT POLE
- ⑩ PROTECT (E) MONUMENT, ADJUST COVER TO NEW FINISH GRADE
- ⑪ PROTECT (E) TRAFFIC SIGNAL
- ⑫ REMOVE (E) CHAIN LINK FENCE
- ⑬ REMOVE (E) WOOD HEADER
- ⑭ PROTECT (E) CONCRETE SEWER VAULT
- ⑮ ADJUST (E) UTILITY BOX TO FINISH GRADE
- ⑯ PROTECT (E) SIGN IN PLACE
- ⑰ RELOCATE (E) SIGN, SEE SHEET C-3.2
- ⑱ NOT USED
- ⑲ RELOCATE (E) TRAFFIC SIGNAL BOX, SEE SIGNAL AND LIGHTING PLAN FOR LOCATION
- ⑳ PROTECT (E) DRAINAGE INLET, SEE NOTE 18
- ㉑ PROTECT (E) CURB & GUTTER
- ㉒ REMOVE (E) CURB & GUTTER, SEE NOTE 19
- ㉓ REMOVE AND REPLACE (E) WOOD TIE
- ㉔ REMOVE (E) TREE PER CALTRANS STANDARD SPECIFICATIONS. MODIFY IRRIGATION SYSTEM AS NECESSARY

NOTES:

- 1. SEE SHEET C-1.4 FOR ALIGNMENT DATA.
- 2. STA 10+00 TO STA 14+50 ARE FOR ALIGNMENT "BRIDGEWAY". STA 50+00 TO STA 54+30 ARE FOR ALIGNMENT "GATE"



DEMOLITION NOTES:

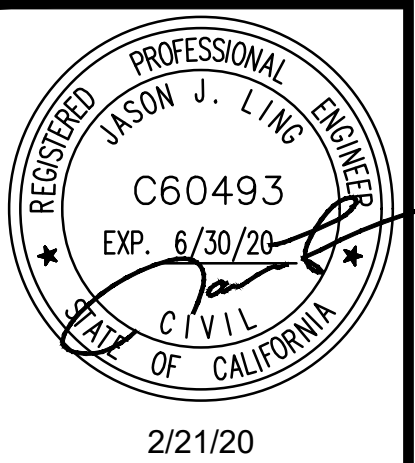
1. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE DUE TO CONTRACTOR OPERATIONS.
2. THIS DEMOLITION PLAN IS NOT INTENDED TO DETERMINE THE METHOD, DETAILS AND/OR MEANS OF PERFORMING THE DEMOLITION WORK. THIS PLAN MAKES NO INQUIRY OR DETERMINATION AS TO THE EXISTENCE OF HAZARDOUS OR TOXIC MATERIALS EXISTING ON SITE. IT IS RECOMMENDED THAT AN INDEPENDENT INQUIRY BE PERFORMED PRIOR TO DEMOLITION WORK TO DETERMINE THE EXISTENCE OF ANY POTENTIAL HAZARDOUS OR TOXIC RISK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT, PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION WORK. IN ADDITION TO OBTAINING USA MARKINGS, CONTRACTOR SHALL POTHOLE EXISTING UTILITIES ALONG PROPOSED UTILITY ALIGNMENTS TO CONFIRM NO CONFLICTS.
4. ALL EXISTING UTILITIES AND APPURTENANCES THERETO SERVING ANY EXISTING STRUCTURE OR BUILDINGS ARE TO REMAIN AND SHALL BE PROTECTED IN PLACE UNLESS DIRECTED TO BE REMOVED AND REPLACED ELSEWHERE ON THESE PLANS.
5. THE FINISHED GROUND SURFACE SHALL BE LEFT IN A SMOOTH, UNIFORM GRADED CONDITION.
6. DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS SHALL BE CONDUCTED IN A MANNER TO INSURE MINIMUM INTERFERENCE WITH STREETS, SIDEWALKS AND OTHER ADJACENT OCCUPIED OR UTILIZED FACILITIES.
7. THE CONTRACTOR SHALL INSURE THE SAFE PASSAGE OF PERSONS AROUND THE DEMOLITION AREA. CONDUCT OPERATIONS TO PREVENT DAMAGE TO ADJACENT BUILDINGS, STRUCTURES AND OTHER FACILITIES.
8. THE CONTRACTOR SHALL PROMPTLY REPAIR ANY DAMAGE CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS AT NO COST TO THE OWNER.
9. USE WATER SPRINKLING, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT SCATTERING AND RISING IN AIR TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. CONTRACTOR IS RESPONSIBLE FOR CLEANLINESS OF ADJACENT STRUCTURES AND IMPROVEMENTS. SUCH IMPROVEMENTS SHALL BE KEPT FREE OF DUST, DIRT AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITIONS EXISTING PRIOR TO START OF WORK.
10. DUST CONTROL SHALL BE IMPLEMENTED DURING ALL DEMOLITION AND GRADING OPERATIONS. PUBLIC STREETS SHALL BE KEPT CLEAN BY SWEEPING. AT A MINIMUM, STREETS SHALL BE SWEEPED AT LEAST ONCE EACH WORKING DAY WITH A SELF-LOADING MOTOR SWEEPER WITH SPRAY NOZZLE TO KEEP PAVED AREAS ACCEPTABLY CLEAN.
11. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED TRAFFIC CONTROL AND PEDESTRIAN AND BICYCLE MANAGEMENT.
12. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION COORDINATION WITH ALL ADJACENT PROPERTY OWNERS FOR WORK TO BE PERFORMED ON THEIR PROPERTIES.
13. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING SWPPP MEASURES.
14. PROTECT AND REPAIR THE SIDEWALK WHERE THE EXISTING SIDEWALK SLOPE IS NOT CHANGING FROM THAT SHOWN IN THE SURVEY.
15. DEMOLISH CONCRETE SIDEWALK TO NEAREST CONCRETE SCORELINE FOR PROPOSED CONNECTIONS.
16. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING IRRIGATION SYSTEM AT NO COST TO THE OWNER.
17. FOR PAVEMENT MARKING DEMOLITION SEE SHEET C-3.1.
18. CONTRACTOR SHALL REPLACE IN-KIND ANY PLANTING/LANDSCAPING DAMAGED BY HIS WORK.
19. WHERE CURBS ARE TO BE REMOVED, SAWCUT THROUGH CURB AND GUTTER AT LIMITS OF REMOVAL.
20. ALL REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF AT THE CONTRACTORS EXPENSE.

REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCOPOS COMMENTS
3	AMENDMENT 3



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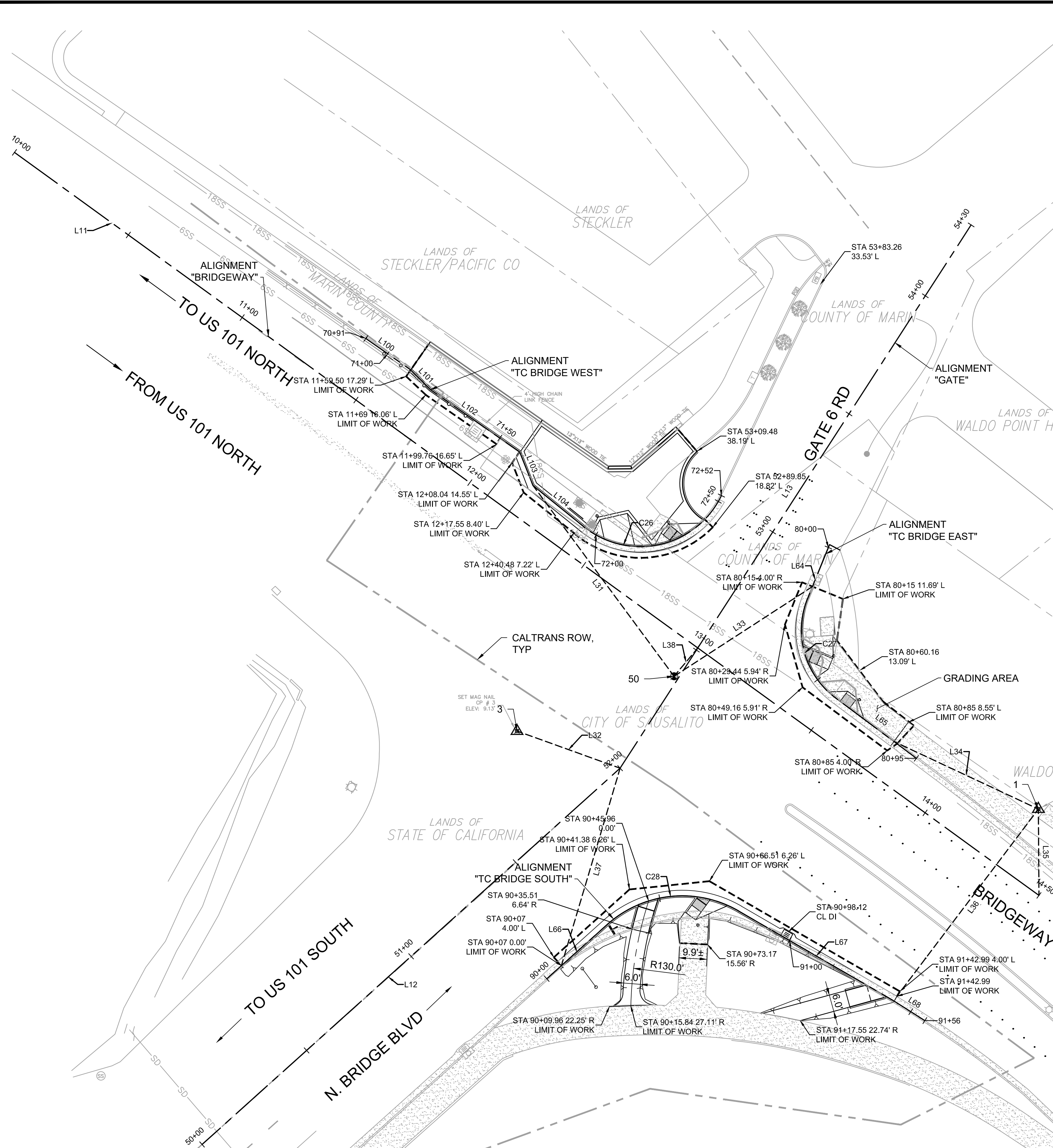
2/21/20

GATE 6 INTERSECTION MODIFICATIONS DEMOLITION PLAN

DATE: 2/21/2020
SCALE: AS SHOWN
DRAWN BY: MLK
PROJECT NO: CML5098(012)
SHEET

C-1.3

U:\Projects\130319 Gate 6 Intersection\Drawings\01 Sheets\05 C-1.3 DEMO.dwg



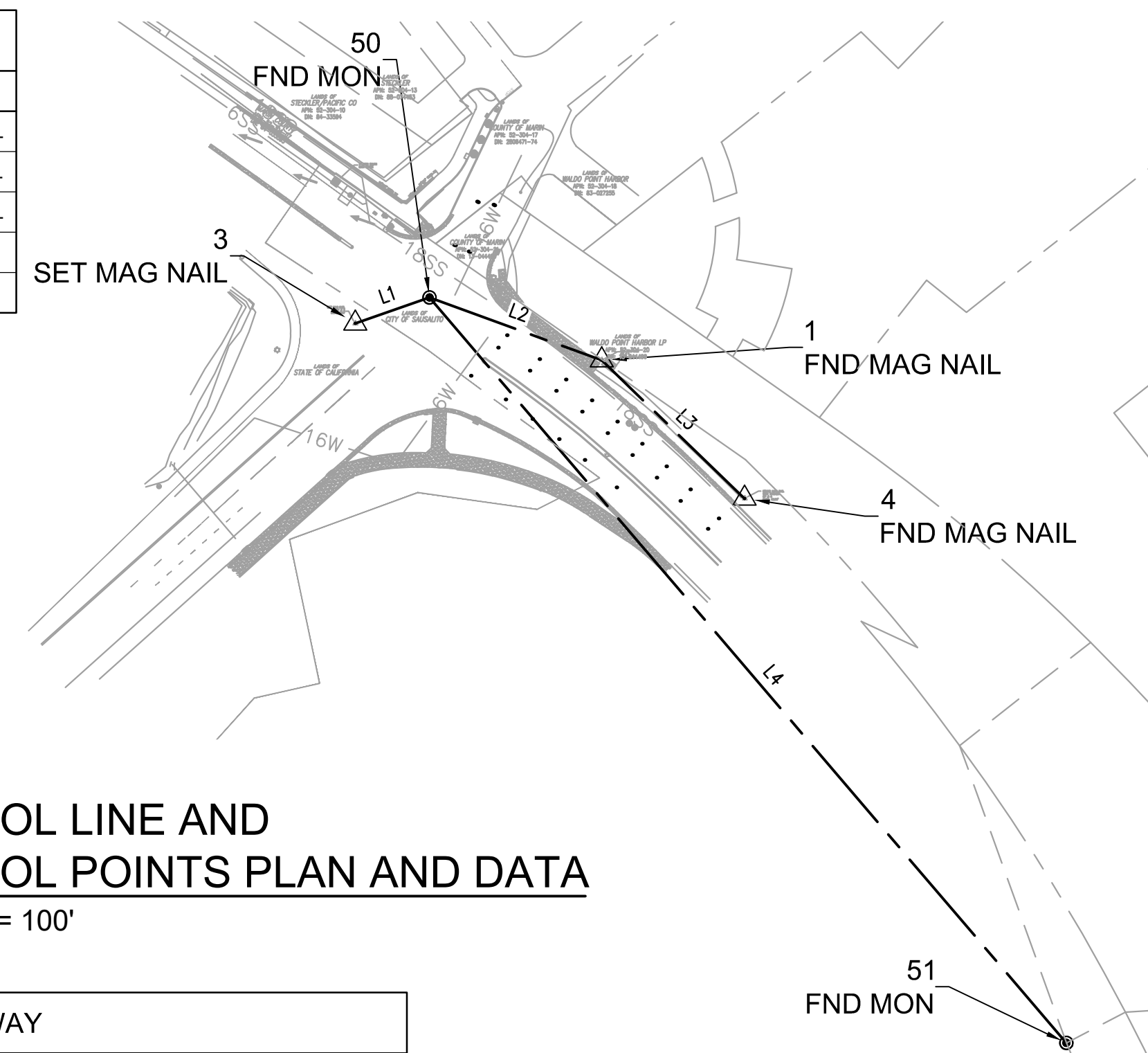
B
C-1.4
STREET AND TOP OF CURB ALIGNMENT PLAN AND DATA
SCALE: 1" = 20'

POINT TABLE

#	ELEV.	NORTHING	EASTING	DESC.
1	10.23	2146352.20	5982926.19	FND MAG NAIL
3	9.13	2146379.95	5982740.79	SET MAG NAIL
4	13.36	2146248.22	5983033.72	FND MAG NAIL
50	9.05	2146399.42	5982796.64	FND MON
51	13.10	2145838.76	5983275.87	FND MON

CONTROL LINE DATA TABLE

Line #	Length	Direction
L1	59.14	N70°46'56"E
L2	137.89	S69°58'14"E
L3	149.51	S45°56'33"E
L4	737.57	S40°31'22"E



A
C-1.4
CONTROL LINE AND CONTROL POINTS PLAN AND DATA
SCALE: 1" = 100'

BRIDGEWAY

SEGMENT	LENGTH	BEARING/Delta	RADIUS	TANGENT	START	END
L11	450.00	S54°02'50"E			STA: 10+00.00 N: 2146585.71 E: 5982562.10	STA: 14+50.00 N: 2146321.51 E: 5982926.38

GATE

SEGMENT	LENGTH	BEARING/Delta	RADIUS	TANGENT	START	END
L12	200.00	N48°00'34"E			STA: 50+00.00 N: 2146232.93 E: 5982628.80	STA: 52+00.00 N: 2146366.73 E: 5982777.45
L13	230.00	N32°51'52"E			STA: 52+00.00 N: 2146366.73 E: 5982777.45	STA: 54+30.00 N: 2146559.92 E: 5982902.26

TC BRIDGE EAST

SEGMENT	LENGTH	BEARING/Delta	RADIUS	TANGENT	START	END
L64	19.68	S22°06'59"W			STA: 80+00.00 N: 2146445.22 E: 5982851.50	STA: 80+19.68 N: 2146426.99 E: 5982844.09
C27	39.31	075°04'28"	30.00	23.05	STA: 80+19.68 N: 2146426.99 E: 5982844.09	STA: 80+58.99 N: 2146391.79 E: 5982853.98
L65	36.01	S53°13'42"E			STA: 80+58.99 N: 2146391.79 E: 5982853.98	STA: 80+95.00 N: 2146370.24 E: 5982882.82

TC BRIDGE WEST

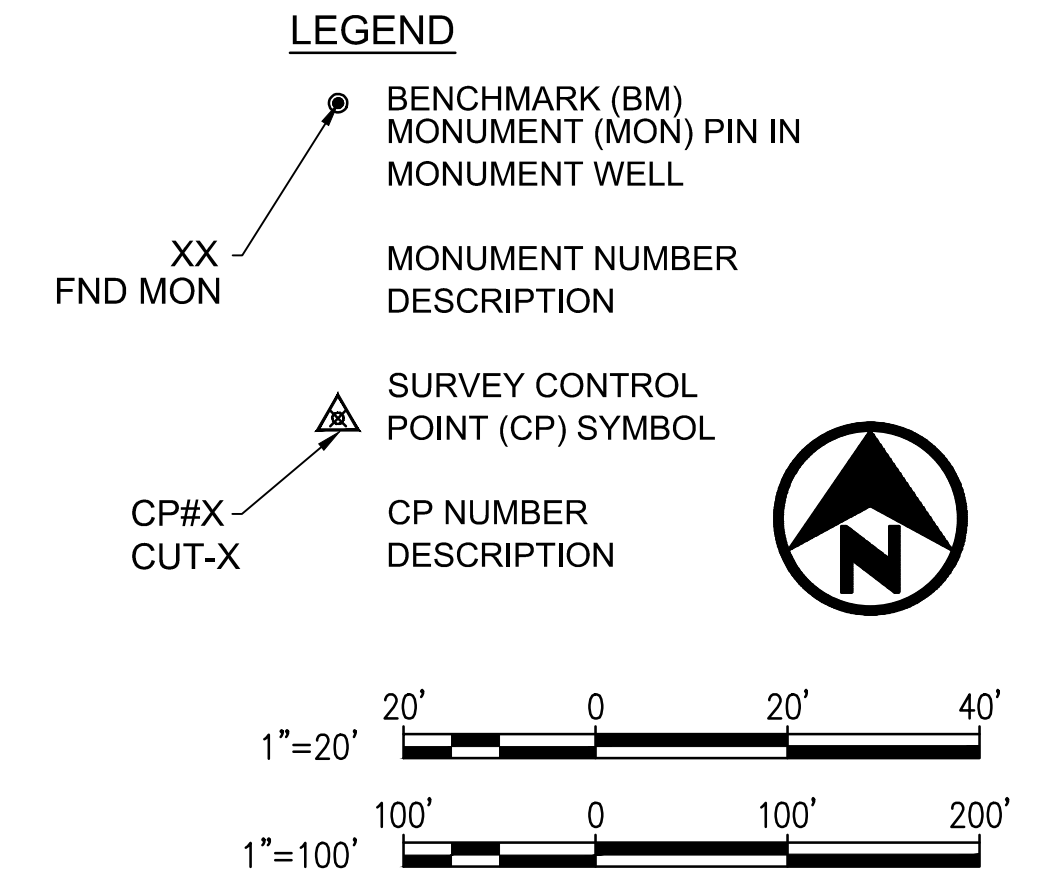
SEGMENT	LENGTH	BEARING/Delta	RADIUS	TANGENT	START	END
L100	19.13	S55°04'45"E			STA: 70+90.53 N: 2146519.53 E: 5982687.04	STA: 71+09.66 N: 2146508.58 E: 5982702.72
L101	10.19	S45°12'57"E			STA: 71+09.66 N: 2146508.58 E: 5982702.72	STA: 71+19.86 N: 2146501.40 E: 5982709.96
L102	38.75	S55°05'05"E			STA: 71+19.86 N: 2146501.40 E: 5982709.96	STA: 71+58.61 N: 2146479.21 E: 5982741.74
L103	12.85	S21°41'12"E			STA: 71+58.61 N: 2146479.21 E: 5982741.74	STA: 71+71.46 N: 2146467.27 E: 5982746.49
L104	23.12	S50°54'08"E			STA: 71+71.46 N: 2146467.27 E: 5982746.49	STA: 71+94.58 N: 2146452.69 E: 5982764.43
C26	57.78	103°27'42"	32.00	40.56	STA: 71+94.58 N: 2146452.69 E: 5982764.43	STA: 72+52.36 N: 2146463.69 E: 5982813.46

TC BRIDGE SOUTH

SEGMENT	LENGTH	BEARING/Delta	RADIUS	TANGENT	START	END
L66	28.82	N48°05'22"E			STA: 90+00.00 N: 2146291.84 E: 5982751.37	STA: 90+28.82 N: 2146311.09 E: 5982772.81
C28	50.25	071°58'19"	40.00	29.05	STA: 90+28.82 N: 2146311.09 E: 5982772.81	STA: 90+79.07 N: 2146315.94 E: 5982819.57
L67	63.92	S59°56'19"E			STA: 90+79.07 N: 2146315.94 E: 5982819.57	STA: 91+42.99 N: 2146283.92 E: 5982874.89
L68	12.94	S57°27'12"E			STA: 91+42.99 N: 2146283.92 E: 5982874.89	STA: 91+55.92 N: 2146276.96 E: 5982885.80

MONUMENT TO ALIGNMENT LINE TABLE

Line #	Length	Bearing
L31	84.37	N36°27'58"W
L32	38.98	S70°11'18"E
L33	58.65	N57°02'45"E
L34	56.71	N64°55'37"W
L35	30.68	S0°22'20"E
L36	83.40	S37°04'53"W
L37	73.26	S16°33'29"W
L38	13.14	N39°57'44"E



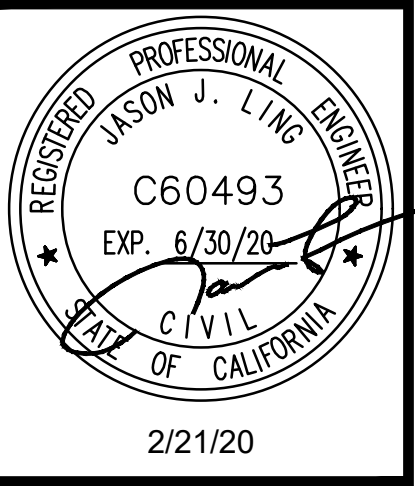
REVISIONS

NO.	DESCRIPTION
1	SIDEWALK GRADING REVISED
2	MCOPOS COMMENTS
3	AMENDMENT 3



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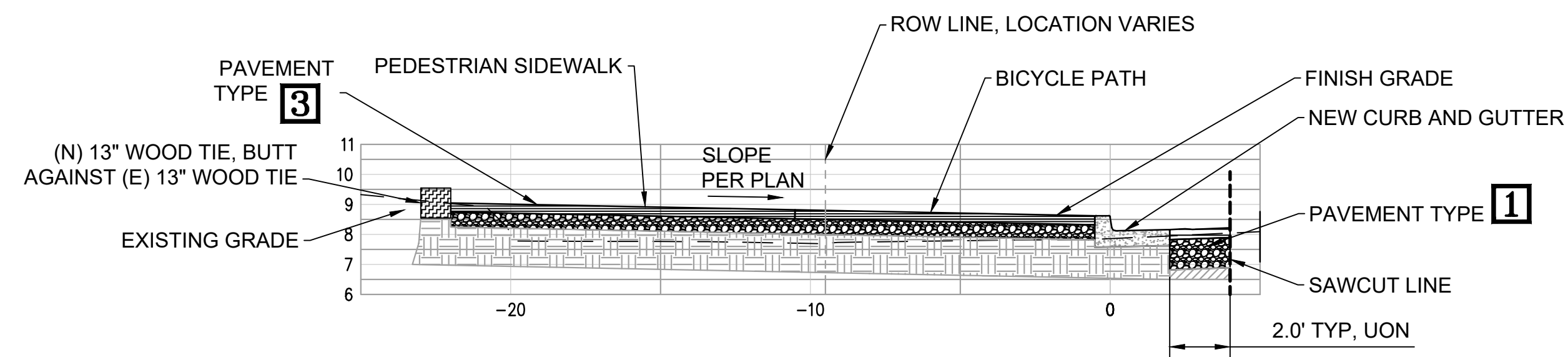
2/21/20

GATE 6 INTERSECTION MODIFICATIONS
CONTROL POINTS STREET AND TOP OF CURB ALIGNMENT DATA

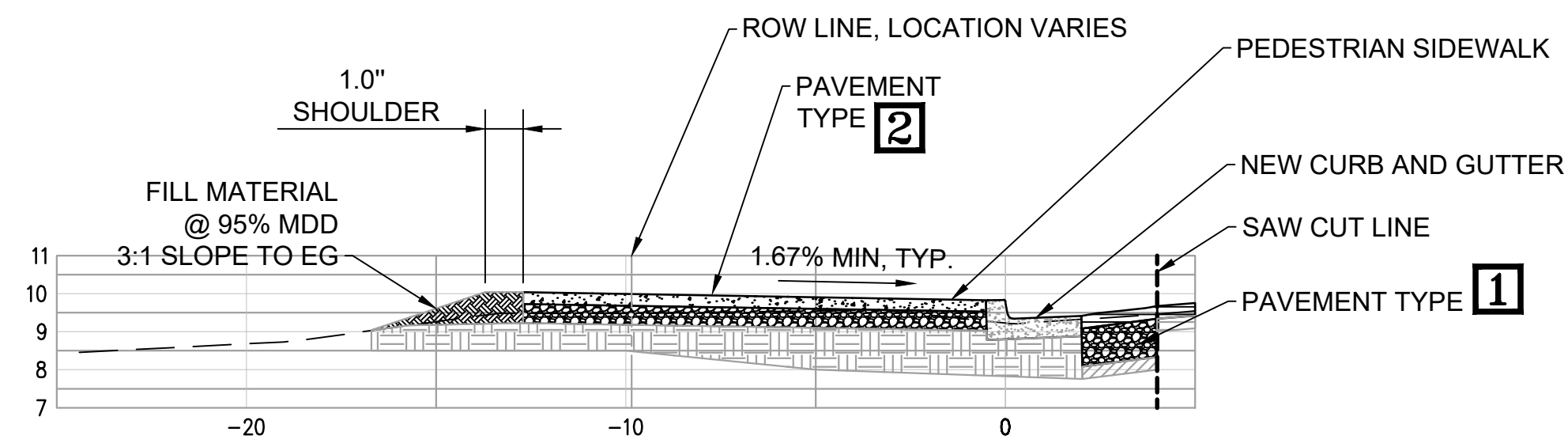
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DRAWN BY: MLK
PROJECT NO: CML5098(012)
SHEET

C-1.4

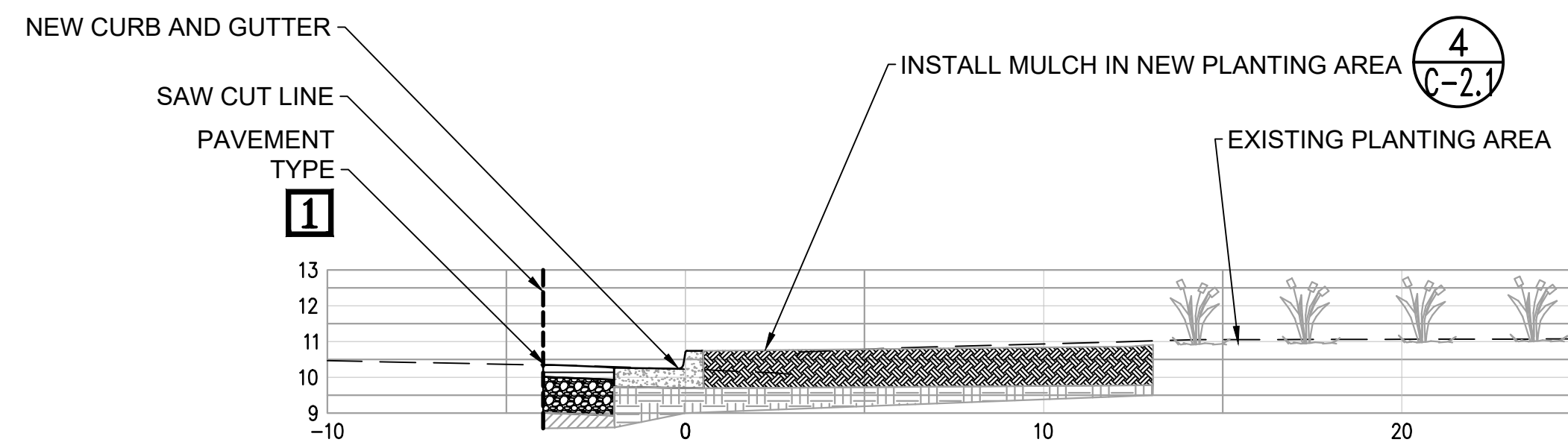
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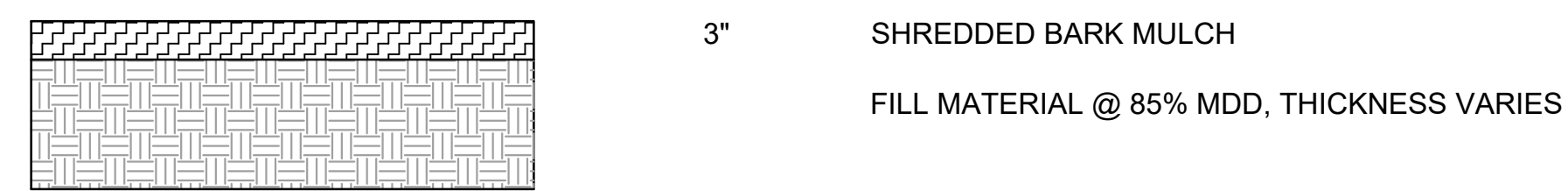
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BIKE LANE AND
SIDEWALK TYPICAL SECTION
SCALE: 1" = 4'



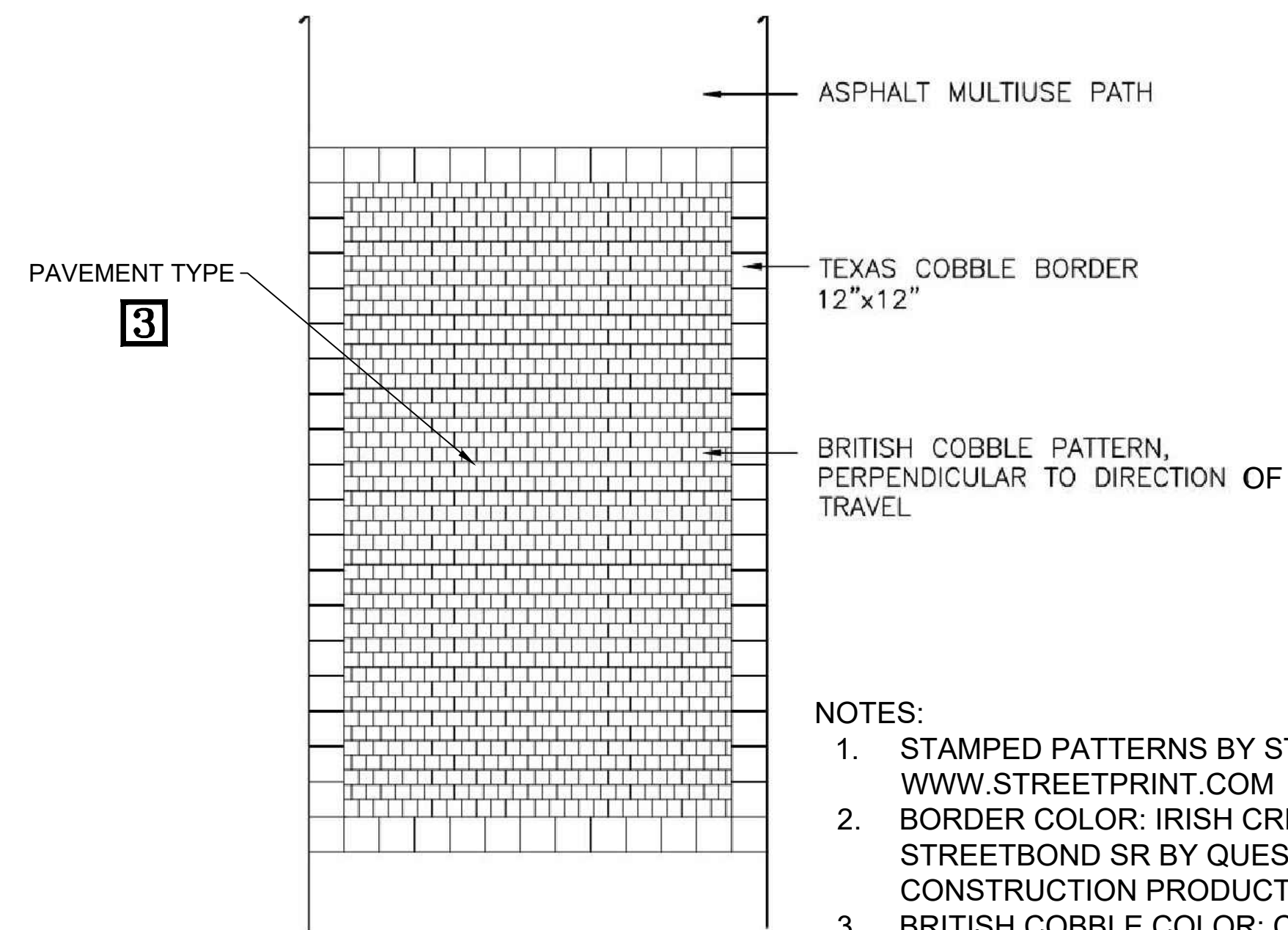
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SIDEWALK TYPICAL SECTION
SCALE: 1" = 4'



3
TYPICAL SECTION AT PLANTER
SCALE: 1" = 4'



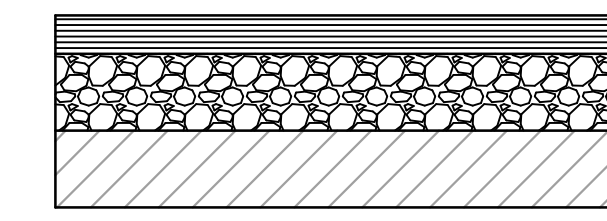
4
TYPICAL PLANTER SECTION
SCALE: N.T.S.



- NOTES:
1. STAMPED PATTERNS BY STREETPRINT, WWW.STREETPRINT.COM
 2. BORDER COLOR: IRISH CREAM, STREETBOND SR BY QUEST CONSTRUCTION PRODUCTS.
 3. BRITISH COBBLE COLOR: CHESTNUT BROWN, STREETBOND SR BY QUEST CONSTRUCTION PRODUCTS.
 4. SHAPE & PATTERN PER **B** C-2.3

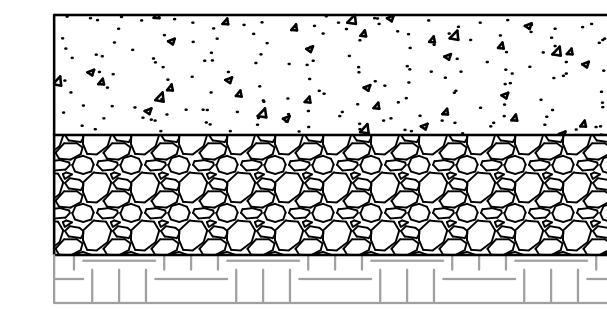
LEGEND:

- CONCRETE
- ASPHALT CONCRETE
- AGGREGATE BASE
- EXISTING GROUND
- EXISTING SUB BASE
- MULCH



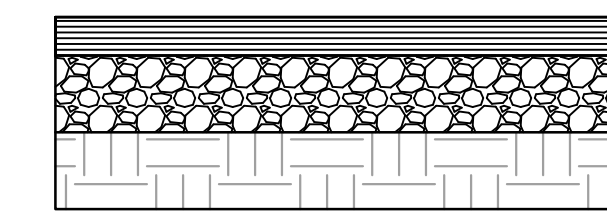
PAVEMENT TYPE **1**
ASPHALT CONCRETE

- 6.0", MIN HOT MIX ASPHALT CONCRETE (AC) TYPE A, MATCH (E) THICKNESS IF GREATER THAN 6"
- 12.0" AGGREGATE BASE CLASS 2 COMPACT TO 95% MDD
- EXISTING SUB BASE, COMPACT TO 95% MDD



PAVEMENT TYPE **2**
CONCRETE SIDEWALK

- 4" CONCRETE
- 4" AGGREGATE BASE, CLASS 2, COMPACT TO 95% MDD
- EXISTING GROUND, COMPACTED TO 95% MDD



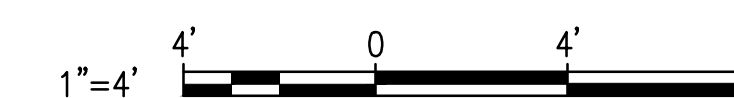
PAVEMENT TYPE **3**
ASPHALT CONCRETE

- 4.0" HOT MIX ASPHALT CONCRETE (AC) TYPE A
- 6.0" AGGREGATE BASE CLASS 2 COMPACT TO 95% MDD
- 6.0" EXISTING GROUND, SUBGRADE, SCARIFIED AND COMPACTED TO 95% MDD



PAVEMENT TYPE **4**
ASPHALT CONCRETE OVERLAY

- 4.0" HOT MIX ASPHALT CONCRETE (AC) TYPE A
- EXISTING PAVEMENT TO REMAIN



5
STAMPED ASPHALT PATH DETAIL
SCALE: 1" = 4'

REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPQS COMMENTS
3	AMENDMENT 3



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3/9/20

**GATE 6 INTERSECTION
MODIFICATIONS**
TYPICAL SECTIONS

DATE: 3/9/2020

SCALE: AS SHOWN

DRAWN BY: MLK

PROJECT NO: CML5098(012)

SHEET

C-2.1

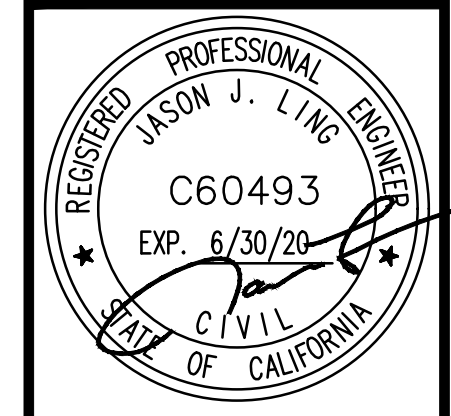
7 OF 26 SHEETS

REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPOS COMMENTS
3	AMENDMENT 3



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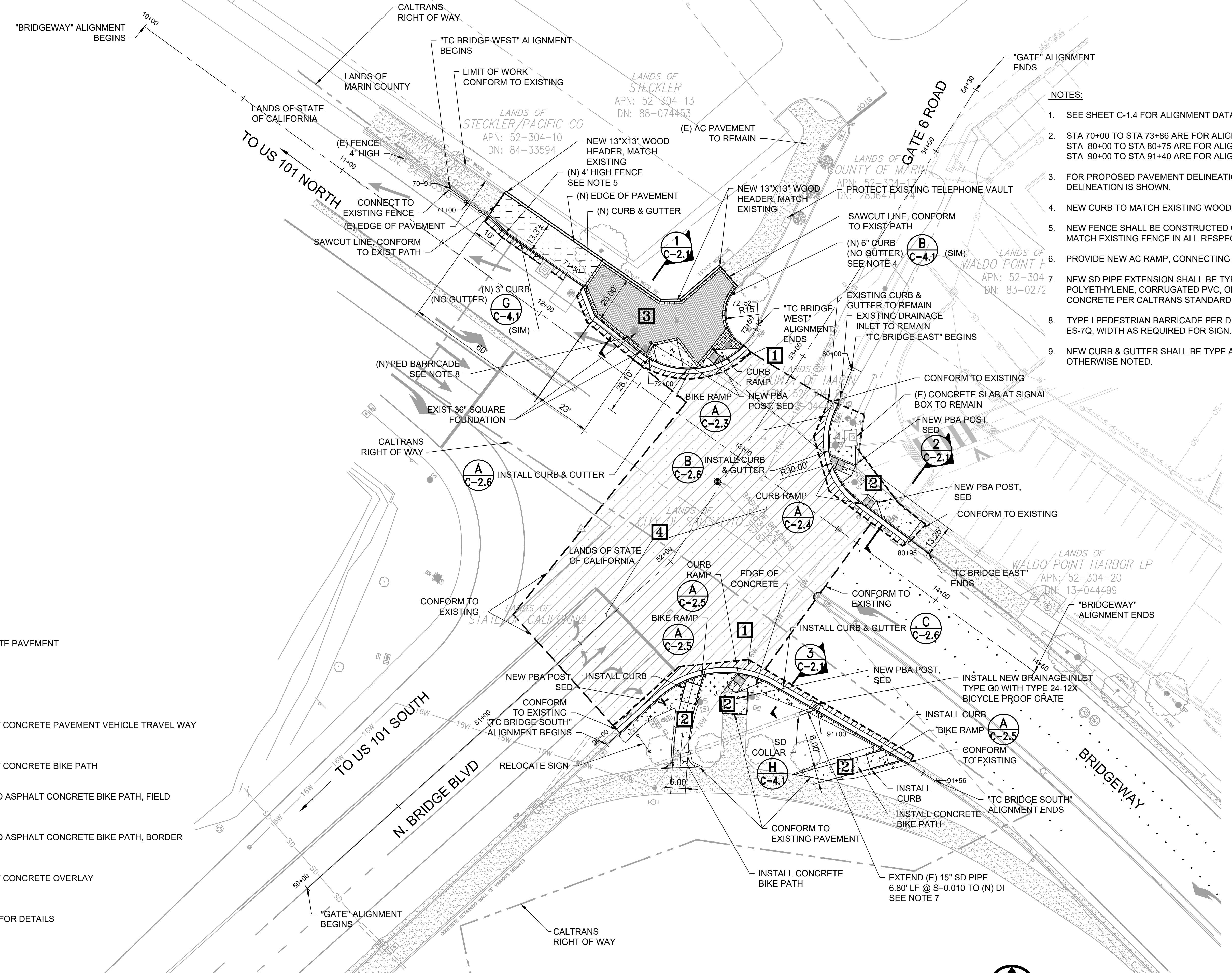
3/9/20

**GATE 6 INTERSECTION
MODIFICATIONS
LAYOUT PLAN**

DATE: 3/9/2020
SCALE: AS SHOWN
DRAWN BY: MLK
PROJECT NO: CML5098(012)
SHEET

C-2.2

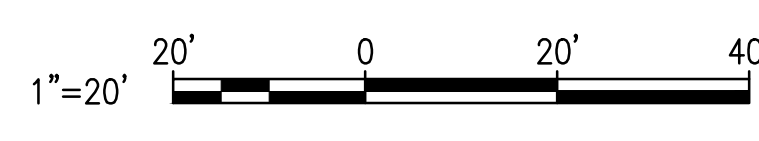
8 OF 26 SHEETS



- NOTES:**
- SEE SHEET C-1.4 FOR ALIGNMENT DATA AND ADDITIONAL DIMENSIONS.
 - STA 70+00 TO STA 73+86 ARE FOR ALIGNMENT "TC BRIDGE WEST". STA 80+00 TO STA 80+75 ARE FOR ALIGNMENT "TC BRIDGE EAST". STA 90+00 TO STA 91+40 ARE FOR ALIGNMENT "TC BRIDGE SOUTH"
 - FOR PROPOSED PAVEMENT DELINEATION, SEE C-3.1. EXISTING DELINEATION IS SHOWN.
 - NEW CURB TO MATCH EXISTING WOOD HEADER.
 - NEW FENCE SHALL BE CONSTRUCTED OF NEW MATERIALS WHICH MATCH EXISTING FENCE IN ALL RESPECTS.
 - PROVIDE NEW AC RAMP, CONNECTING STREET TO PAVED PATH.
 - NEW SD PIPE EXTENSION SHALL BE TYPE S CORRUGATED POLYETHYLENE, CORRUGATED PVC, OR CLASS III REINFORCED CONCRETE PER CALTRANS STANDARDS.
 - TYPE I PEDESTRIAN BARRICADE PER DETAILS C AND E, CALTRANS RSP ES-7Q, WIDTH AS REQUIRED FOR SIGN.
 - NEW CURB & GUTTER SHALL BE TYPE A, DET **B** UNLESS OTHERWISE NOTED.

- LEGEND:**
- INSTALL CONCRETE PAVEMENT
 - INSTALL MULCH
 - INSTALL ASPHALT CONCRETE PAVEMENT VEHICLE TRAVEL WAY
 - INSTALL ASPHALT CONCRETE BIKE PATH
 - INSTALL STAMPED ASPHALT CONCRETE BIKE PATH, FIELD
 - INSTALL STAMPED ASPHALT CONCRETE BIKE PATH, BORDER
 - INSTALL ASPHALT CONCRETE OVERLAY
 - PAVEMENT TYPE SEE SHEET C-2.1 FOR DETAILS
 - SAW-CUT LINE
 - LIMIT OF GRIND

A
C-2.2
LAYOUT
SCALE: 1" = 20'



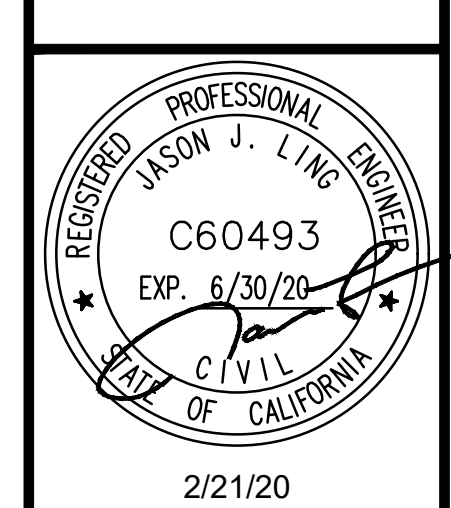
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REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPOS COMMENTS
3	AMENDMENT 3



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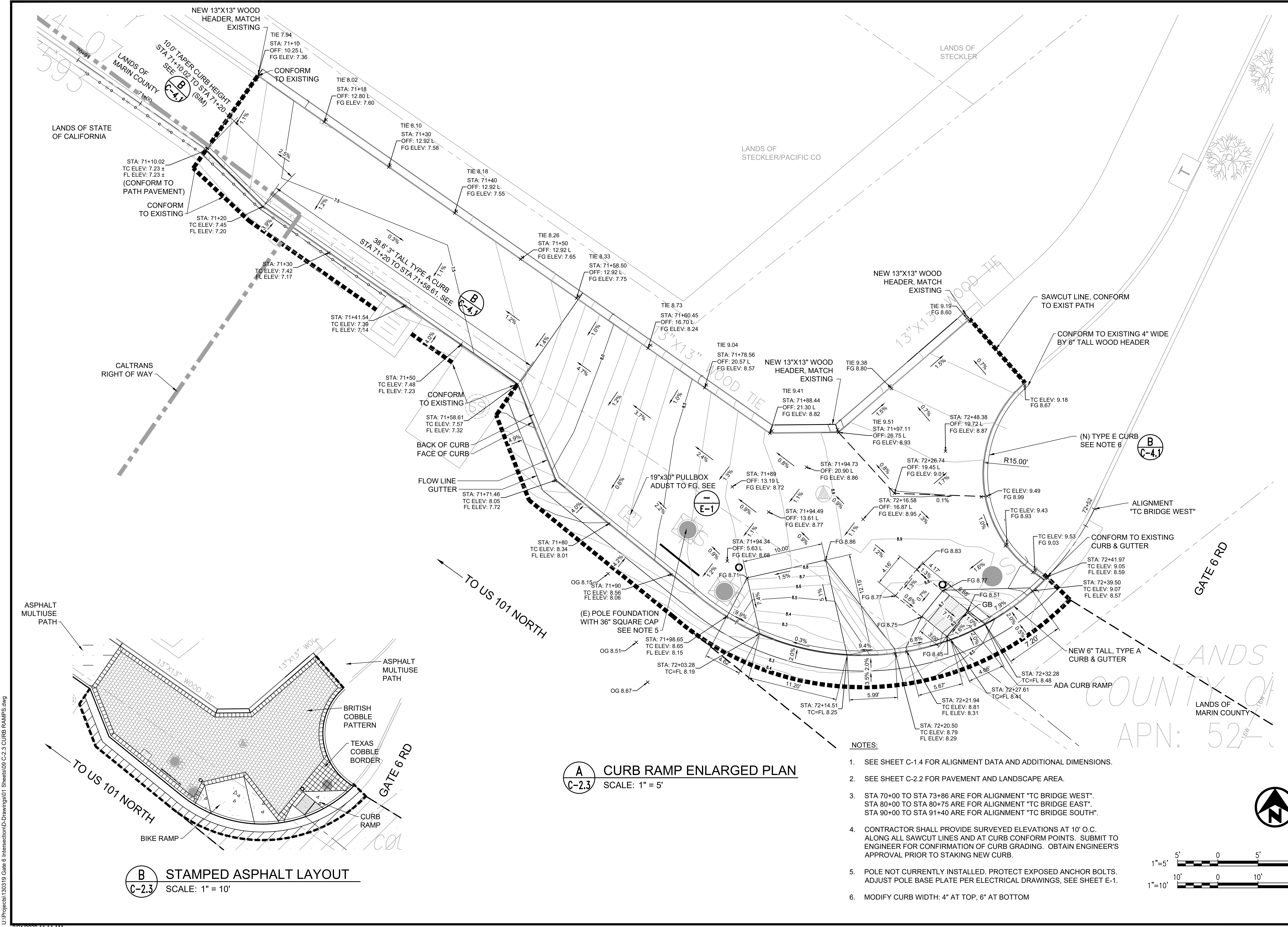


2/21/20

GATE 6 INTERSECTION MODIFICATIONS
CURB RAMP ENLARGE PLAN

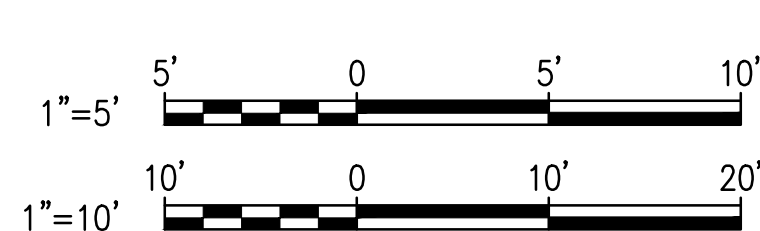
DATE: 2/21/2020
SCALE: AS SHOWN
DRAWN BY: MLK
PROJECT NO: CML5098(012)
SHEET

C-2.3



(A) CURB RAMP ENLARGED PLAN
C-2.3 SCALE: 1" = 5'

- NOTES:**
- SEE SHEET C-1.4 FOR ALIGNMENT DATA AND ADDITIONAL DIMENSIONS.
 - SEE SHEET C-2.2 FOR PAVEMENT AND LANDSCAPE AREA.
 - STA 70+00 TO STA 73+86 ARE FOR ALIGNMENT "TC BRIDGE WEST". STA 80+00 TO STA 80+75 ARE FOR ALIGNMENT "TC BRIDGE EAST". STA 90+00 TO STA 91+40 ARE FOR ALIGNMENT "TC BRIDGE SOUTH".
 - CONTRACTOR SHALL PROVIDE SURVEYED ELEVATIONS AT 10' O.C. ALONG ALL SAWCUT LINES AND AT CURB CONFORM POINTS. SUBMIT TO ENGINEER FOR CONFIRMATION OF CURB GRADING. OBTAIN ENGINEER'S APPROVAL PRIOR TO STAKING NEW CURB.
 - POLE NOT CURRENTLY INSTALLED. PROTECT EXPOSED ANCHOR BOLTS. ADJUST POLE BASE PLATE PER ELECTRICAL DRAWINGS, SEE SHEET E-1.
 - MODIFY CURB WIDTH: 4" AT TOP, 6" AT BOTTOM



(B) STAMPED ASPHALT LAYOUT
C-2.3 SCALE: 1" = 10'

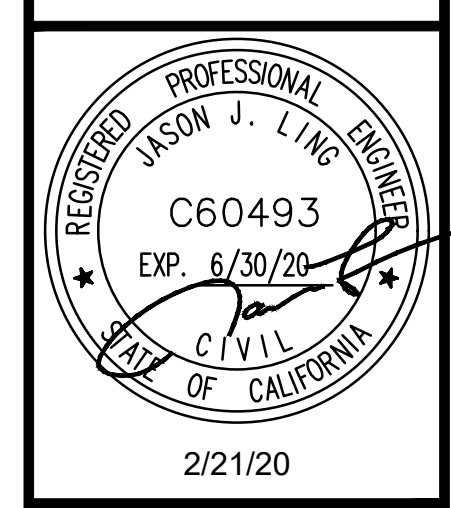
U:\Projects\130319 Gate 6 Intersection\Drawings\01 Sheets\09 C-2.3 CURB RAMPS.dwg 2/21/2020 11:14 AM

REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPOS COMMENTS
3	AMENDMENT 3



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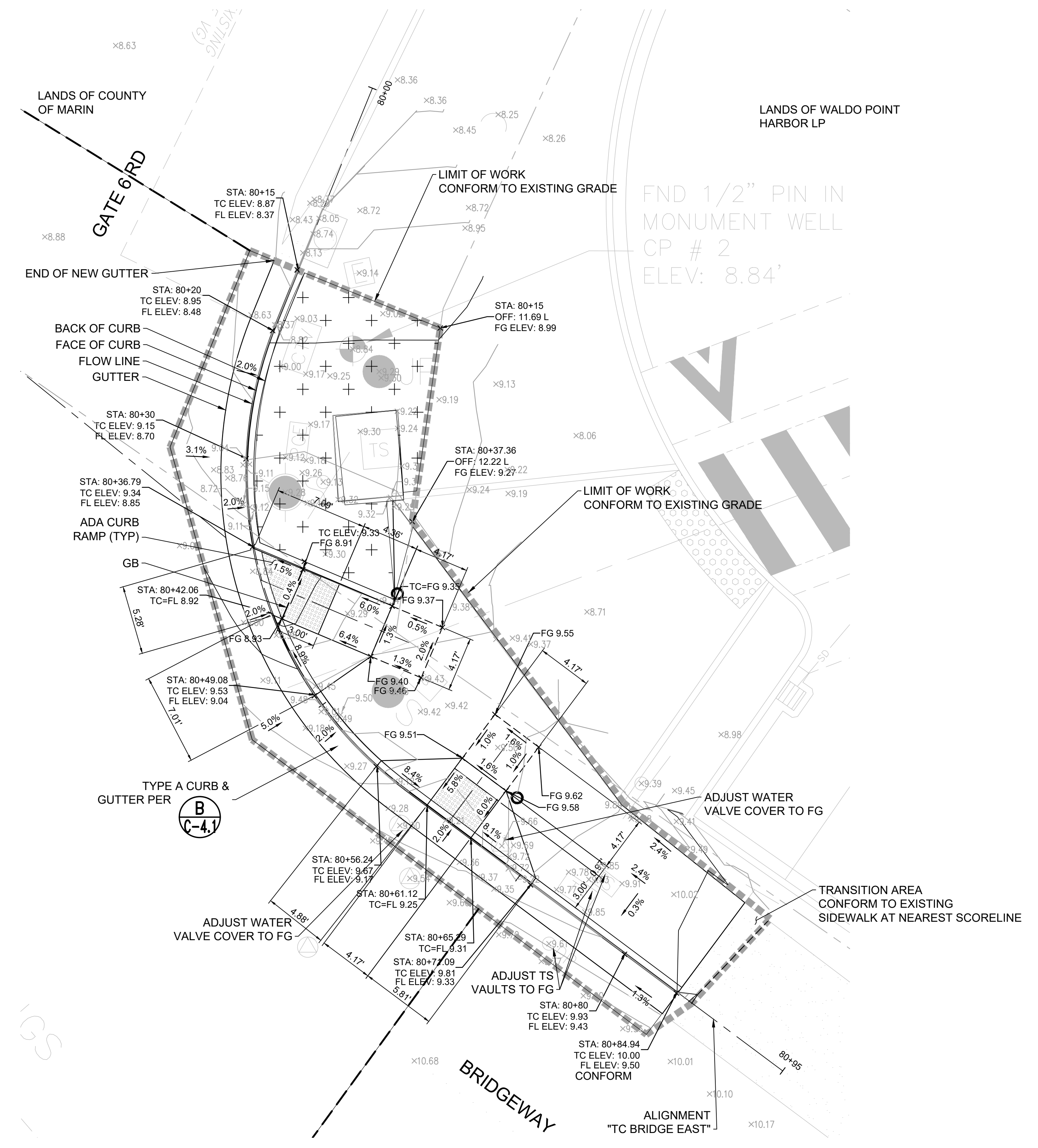
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**GATE 6 INTERSECTION
MODIFICATIONS**

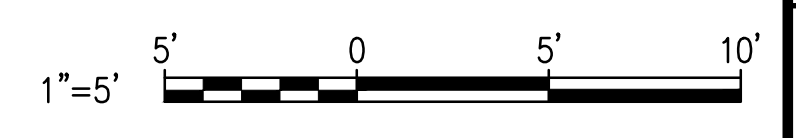
CURB RAMP ENLARGE PLAN



A CURB RAMP ENLARGED PLAN
C-2.4 SCALE: 1" = 5'

NOTES:

- SEE SHEET C-1.4 FOR ALIGNMENT DATA AND ADDITIONAL DIMENSIONS.
- SEE SHEET C-2.2 FOR PAVEMENT AND LANDSCAPE AREA.
- STA 70+00 TO STA 73+86 ARE FOR ALIGNMENT "TC BRIDGE WEST".
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STA 90+00 TO STA 91+40 ARE FOR ALIGNMENT "TC BRIDGE SOUTH".
- CONTRACTOR SHALL PROVIDE SURVEYED ELEVATIONS AT 10' O.C. ALONG ALL SAWCUT LINES AND AT CURB CONFORM POINTS. SUBMIT TO ENGINEER FOR CONFIRMATION OF CURB GRADING. OBTAIN ENGINEERS APPROVAL PRIOR TO STAKING NEW CURB.



DATE:	2/21/2020
SCALE:	AS SHOWN
DRAWN BY:	MLK
PROJECT NO:	CML5098(012)
SHEET:	

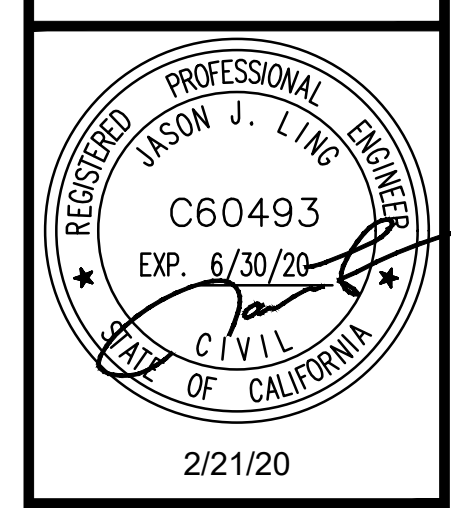
C-2.4

REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPOS COMMENTS
3	AMENDMENT 3



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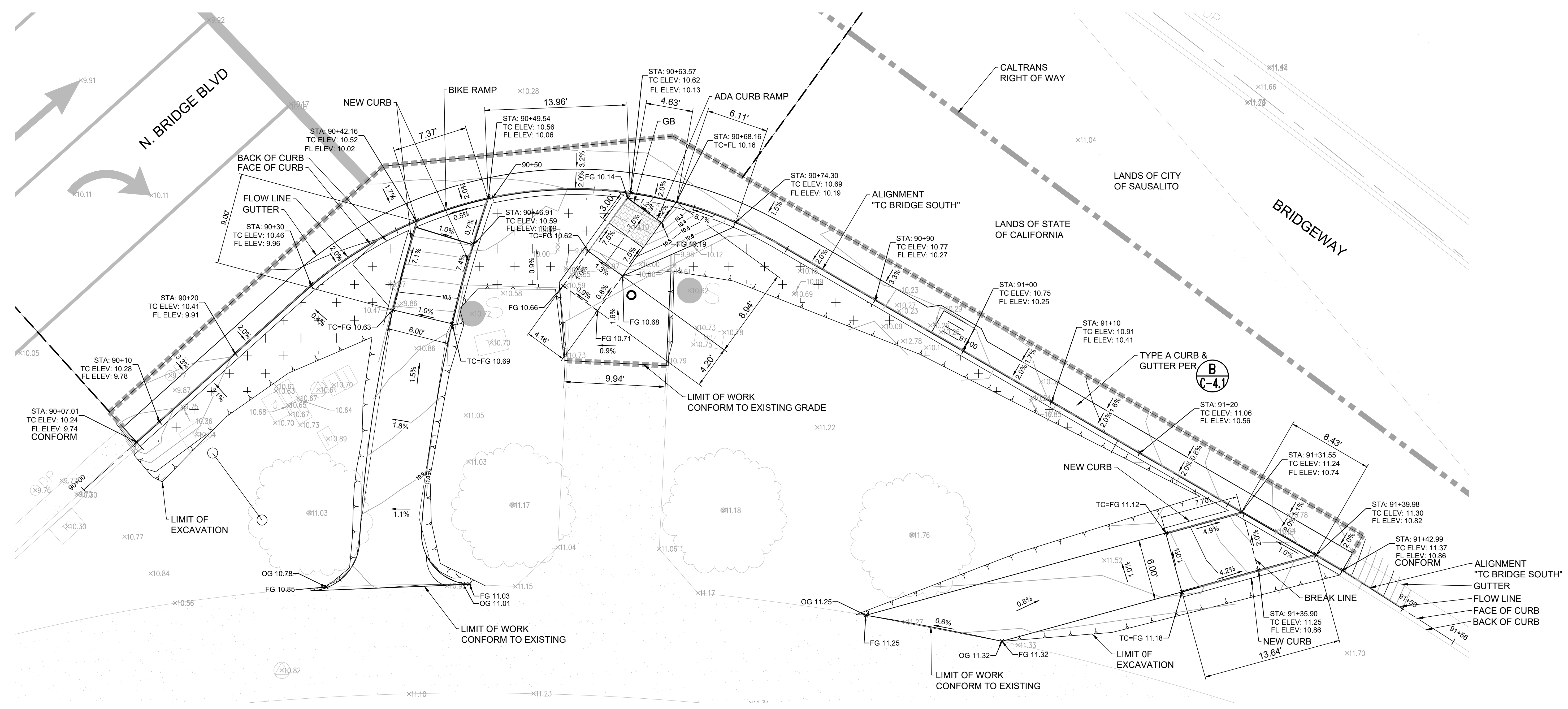
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GATE 6 INTERSECTION
MODIFICATIONS

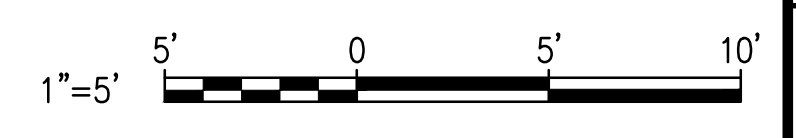
CURB RAMP ENLARGE PLAN

DATE:	2/21/2020
SCALE:	AS SHOWN
DRAWN BY:	MLK
PROJECT NO.:	CML5098(012)
SHEET:	C-2.5
11 OF 26 SHEETS	



A CURB RAMP ENLARGED PLAN
C-2.5 SCALE: 1" = 5'

- NOTES:**
- SEE SHEET C-1.4 FOR ALIGNMENT DATA AND ADDITIONAL DIMENSIONS.
 - SEE SHEET C-2.2 FOR PAVEMENT AND LANDSCAPE AREA.
 - STA 70+00 TO STA 73+86 ARE FOR ALIGNMENT "TC BRIDGE WEST".
STA 80+00 TO STA 80+75 ARE FOR ALIGNMENT "TC BRIDGE EAST".
STA 90+00 TO STA 91+40 ARE FOR ALIGNMENT "TC BRIDGE SOUTH".
 - CONTRACTOR SHALL PROVIDE SURVEYED ELEVATIONS AT 10' O.C. ALONG ALL SAWCUT LINES AND AT CURB CONFORM POINTS. SUBMIT TO ENGINEER FOR CONFIRMATION OF CURB GRADING. OBTAIN ENGINEERS APPROVAL PRIOR TO STAKING NEW CURB.
 - COVER ALL EXPOSED SOIL WITH MULCH PER DETAIL **4** TOP OF MULCH SHALL BE AT FINISH GRADES INDICATED.



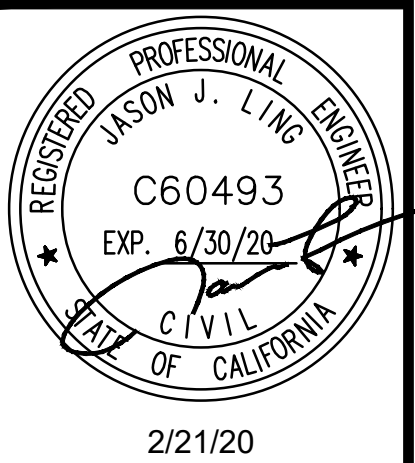
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REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPOS COMMENTS
3	AMENDMENT 3



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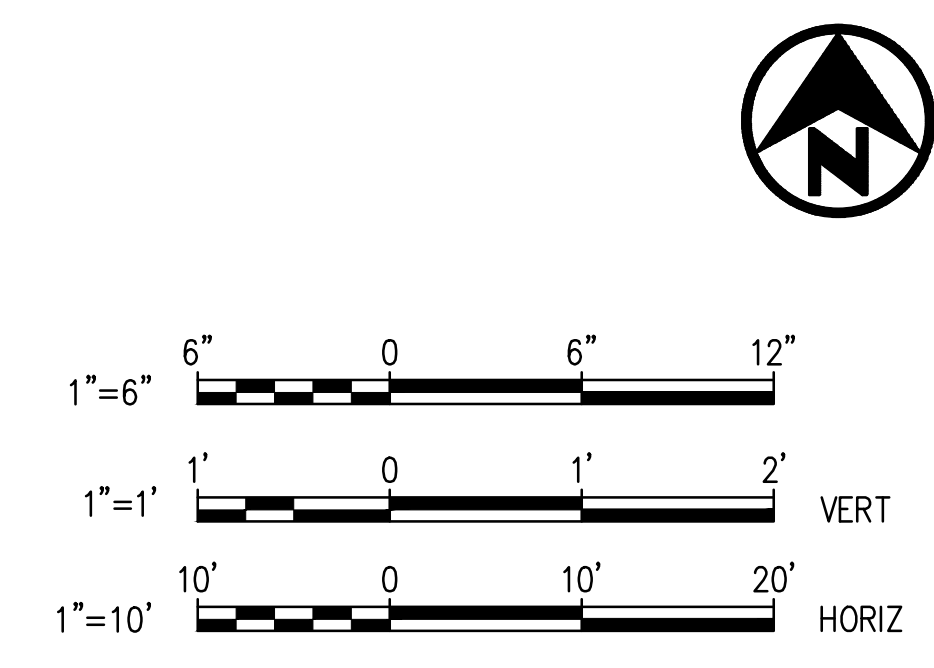
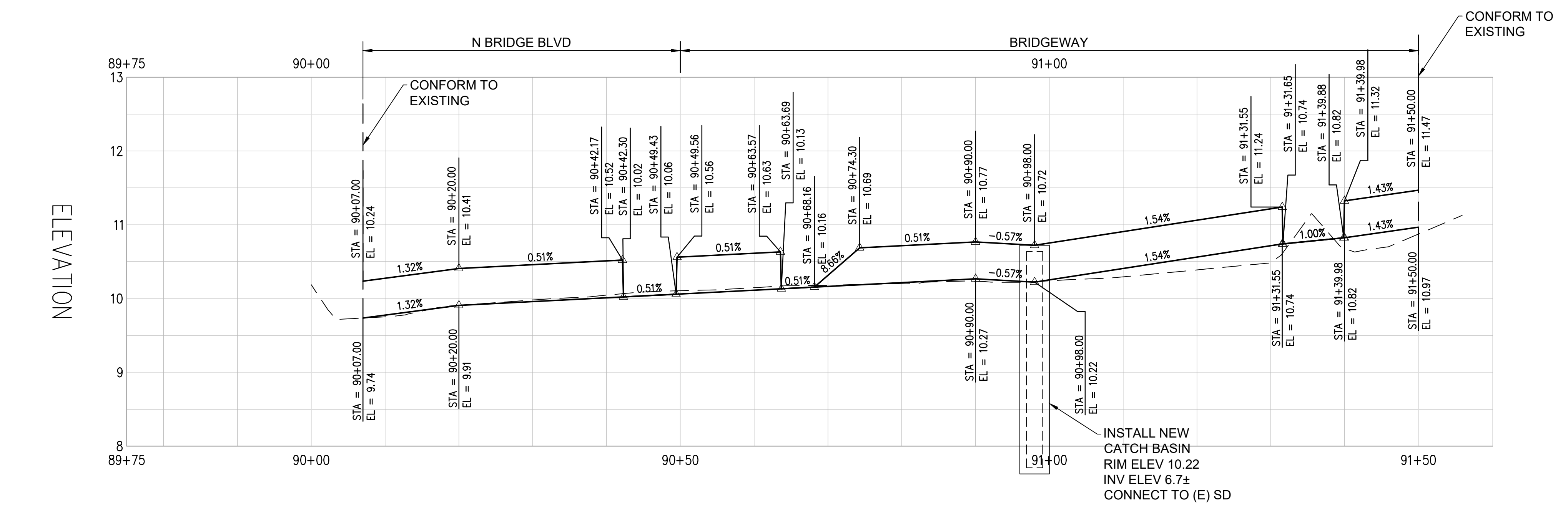
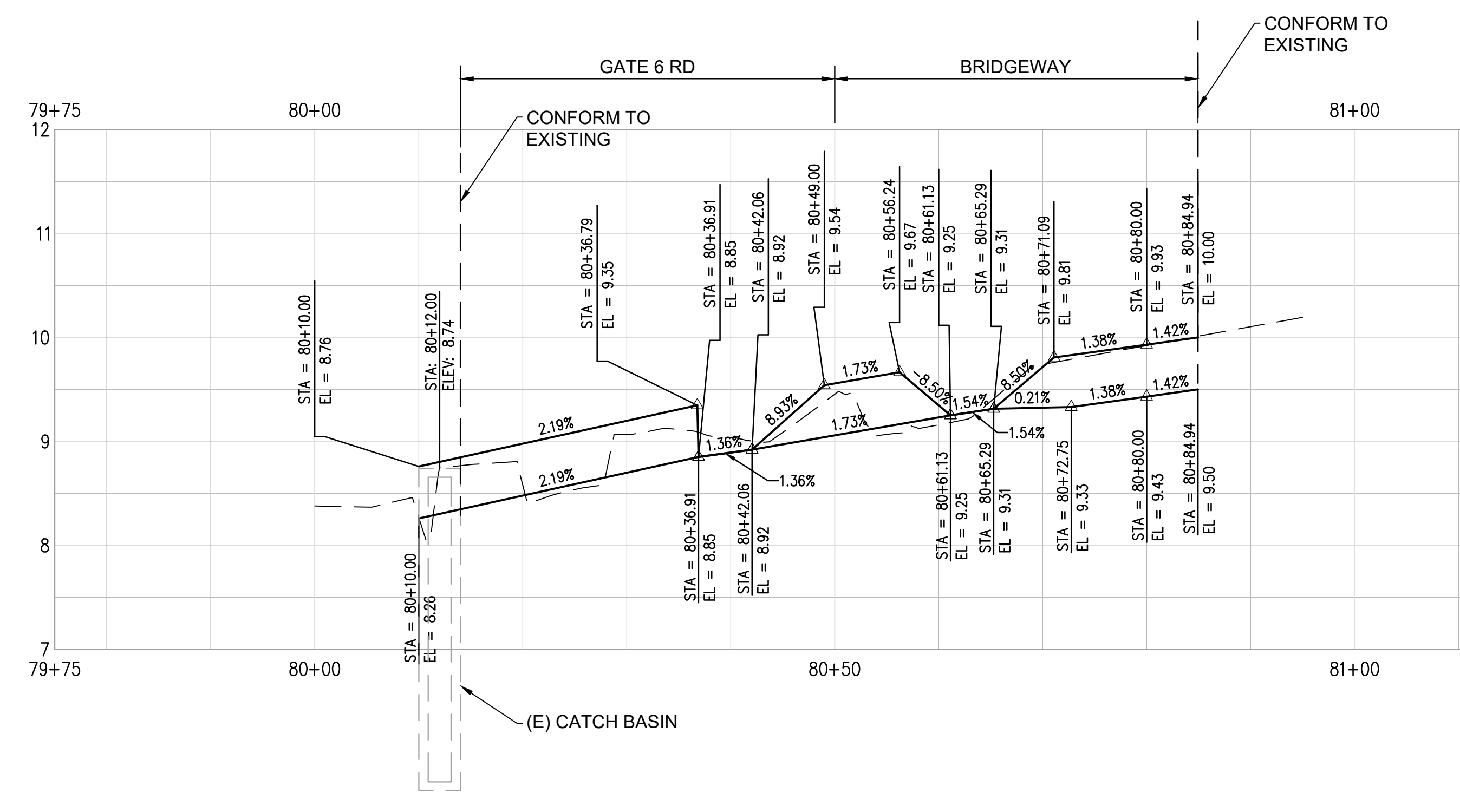
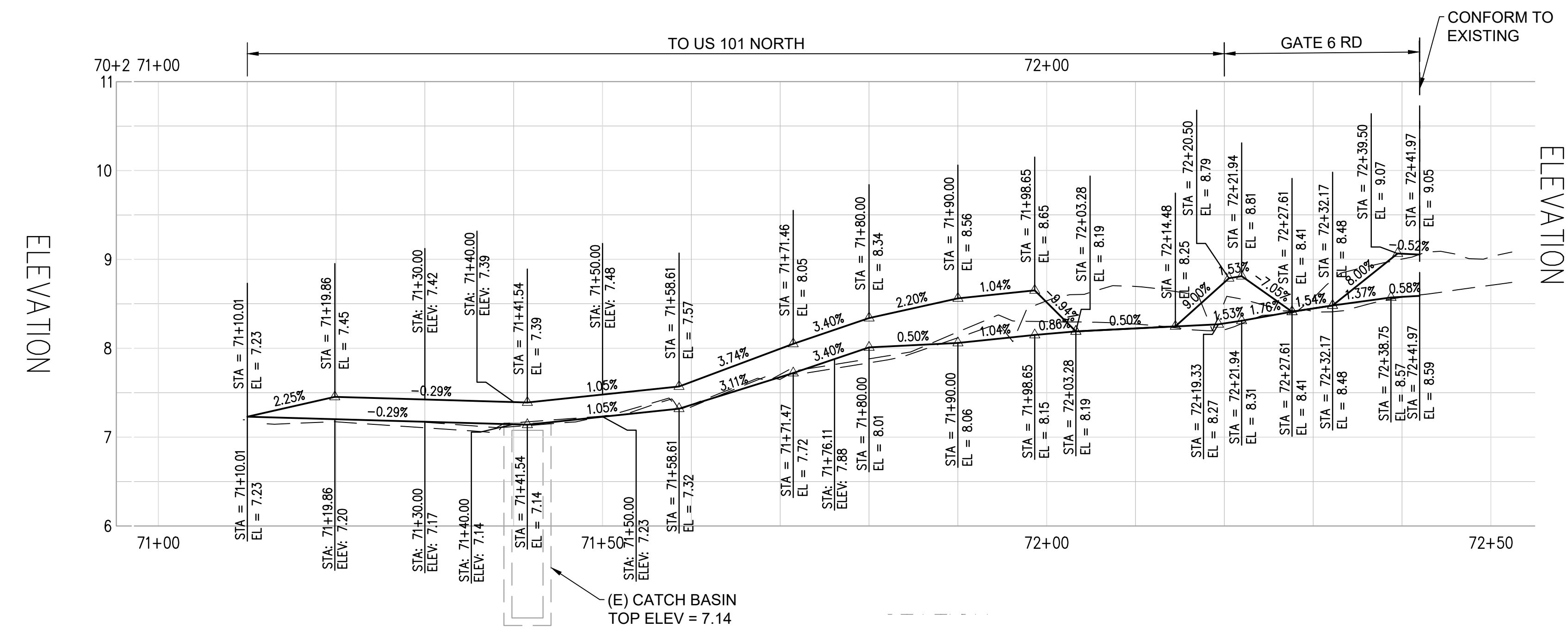


2/21/20

GATE 6 INTERSECTION MODIFICATIONS
CURB PROFILES

DATE: 2/21/2020
SCALE: AS SHOWN
DRAWN BY: MLK
PROJECT NO: CML5098(012)
SHEET

C-2.6

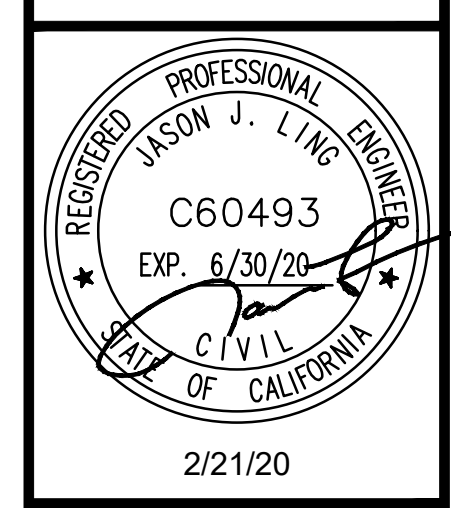


REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPOS COMMENTS
3	AMENDMENT 3



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**GATE 6 INTERSECTION
MODIFICATIONS
PAVEMENT DELINEATION**

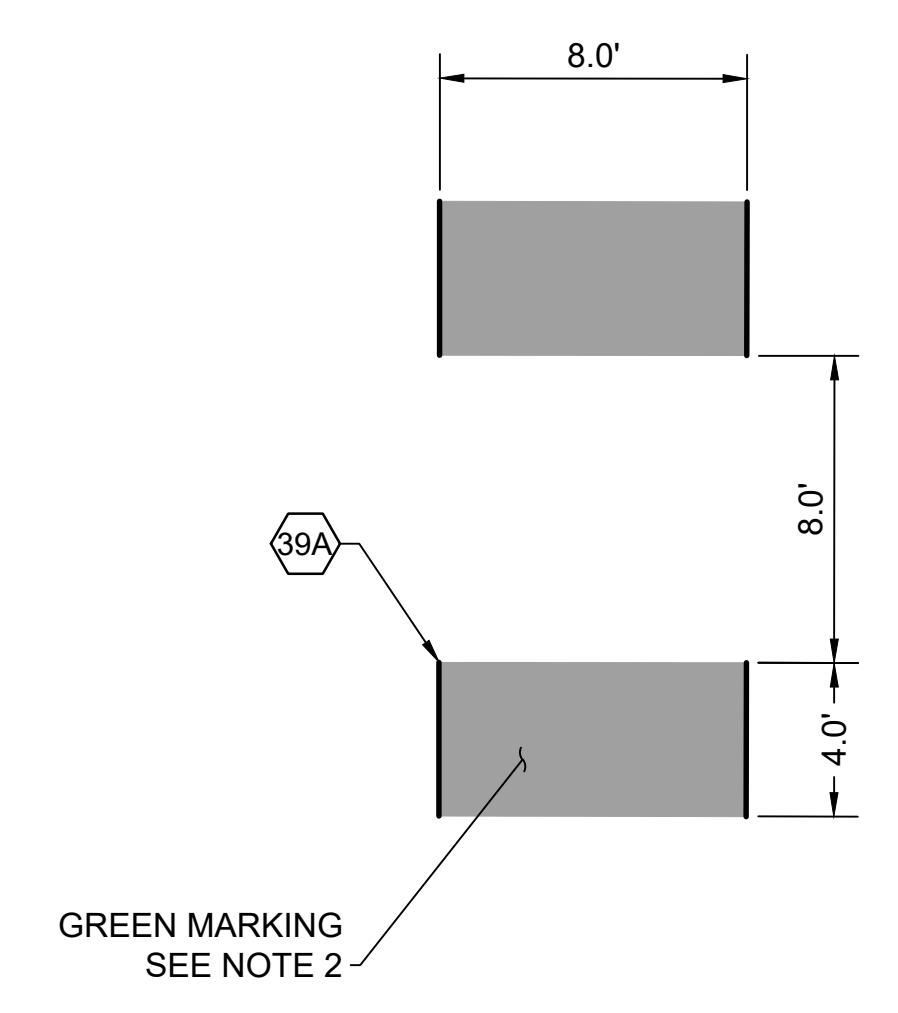
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PROJECT NO: CML5098(012)
SHEET

C-3.1

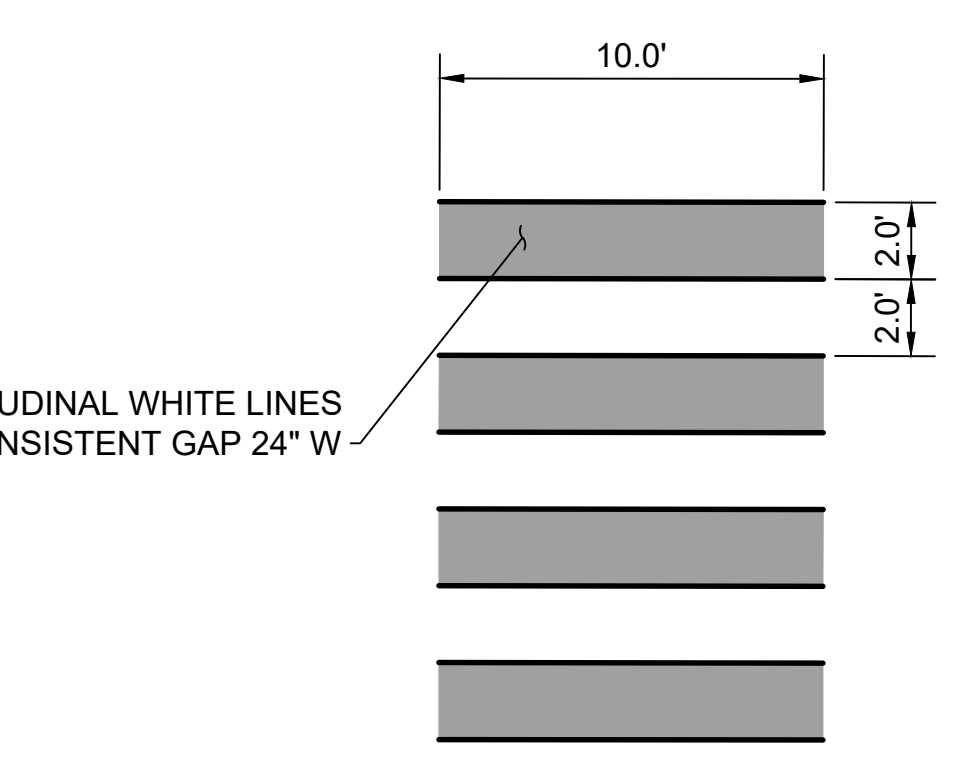
13 OF 26 SHEETS

- NOTES:
- REMOVE EXISTING MARKINGS WHICH ARE REPLACED OR REFRESHED WITH NEW MARKINGS.
 - GREEN COLORED PAVEMENT MARKING SHALL COMPLY WITH USDOT/FHWA MEMORANDUM ON INTERIM APPROVAL FOR OPTIONAL USE OF GREEN COLORED PAVEMENT. DATED APRIL 15, 2011.
 - NEW PAVEMENT MARKINGS AND TRAFFIC STRIPES SHALL BE THERMOPLASTIC PER CALTRANS SPECIFICATIONS.

- BICYCLE LANE LEGEND:**
- BICYCLE LANE MARKING
 - GREEN COLORED BICYCLE PATH
 - PROPOSED MARKINGS
 - EXISTING MARKINGS
 - CA MUTCD DETAIL No
 - PROPOSED DELINEATION
 - EXISTING DELINEATION

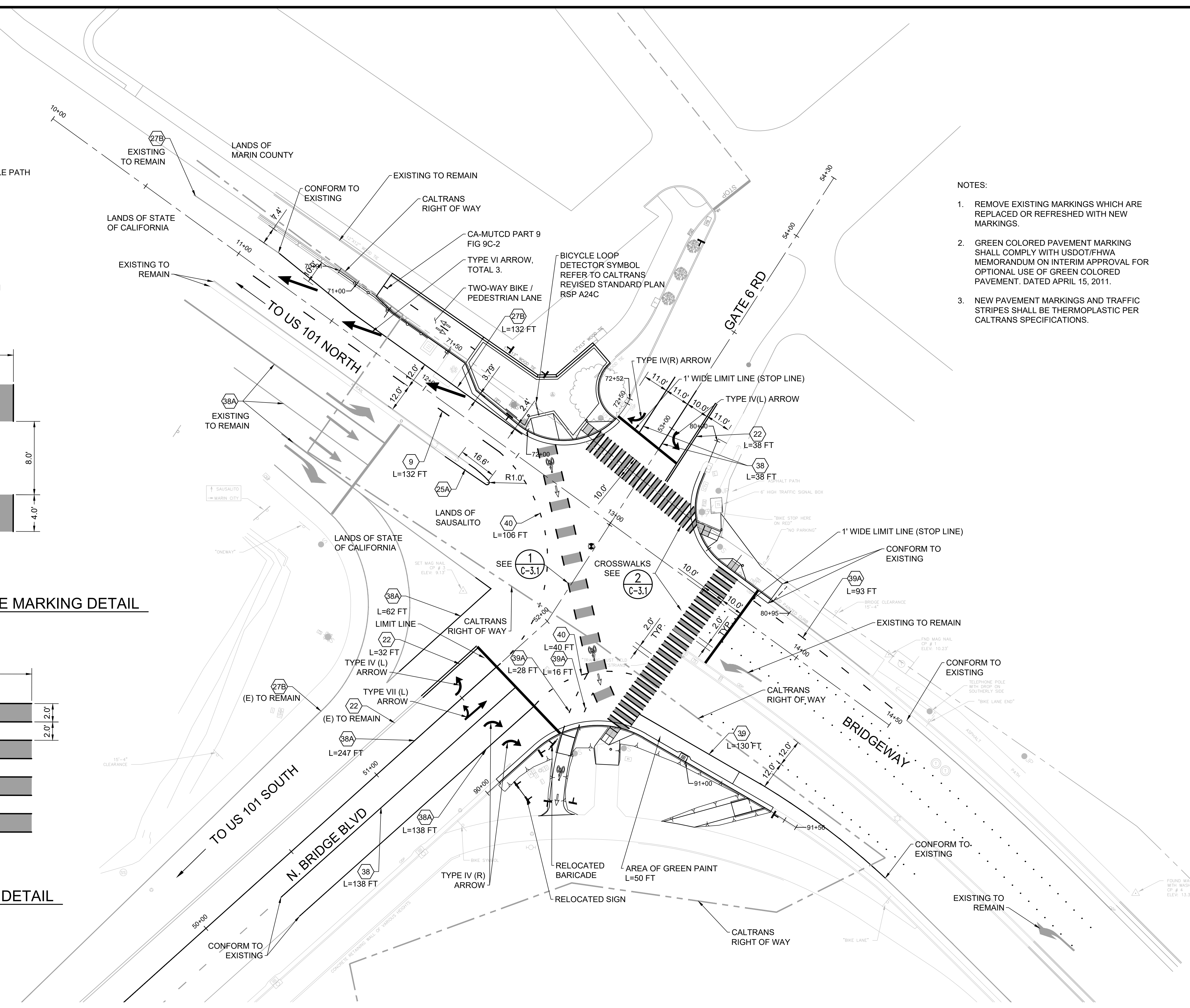


1 BICYCLE LANE MARKING DETAIL
SCALE: 1" = 5'

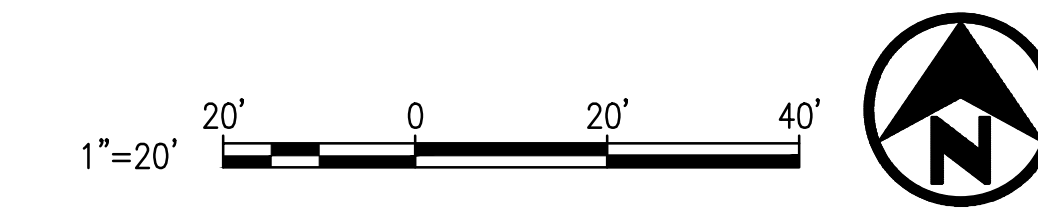


2 CROSSWALK DETAIL
SCALE: 1" = 5'

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A PAVEMENT DELINEATION
SCALE: 1" = 20'

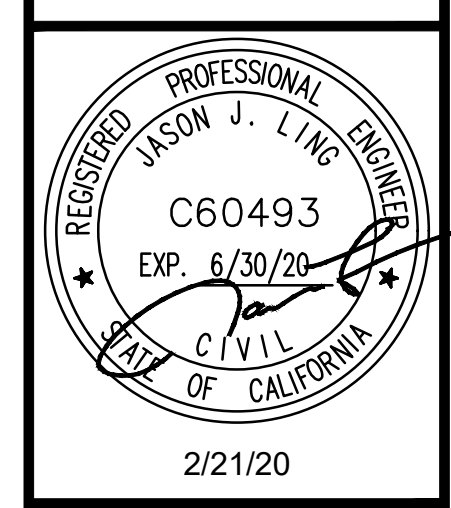


REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPOS COMMENTS
3	AMENDMENT 3



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GATE 6 INTERSECTION MODIFICATIONS

SIGNAGE PLAN

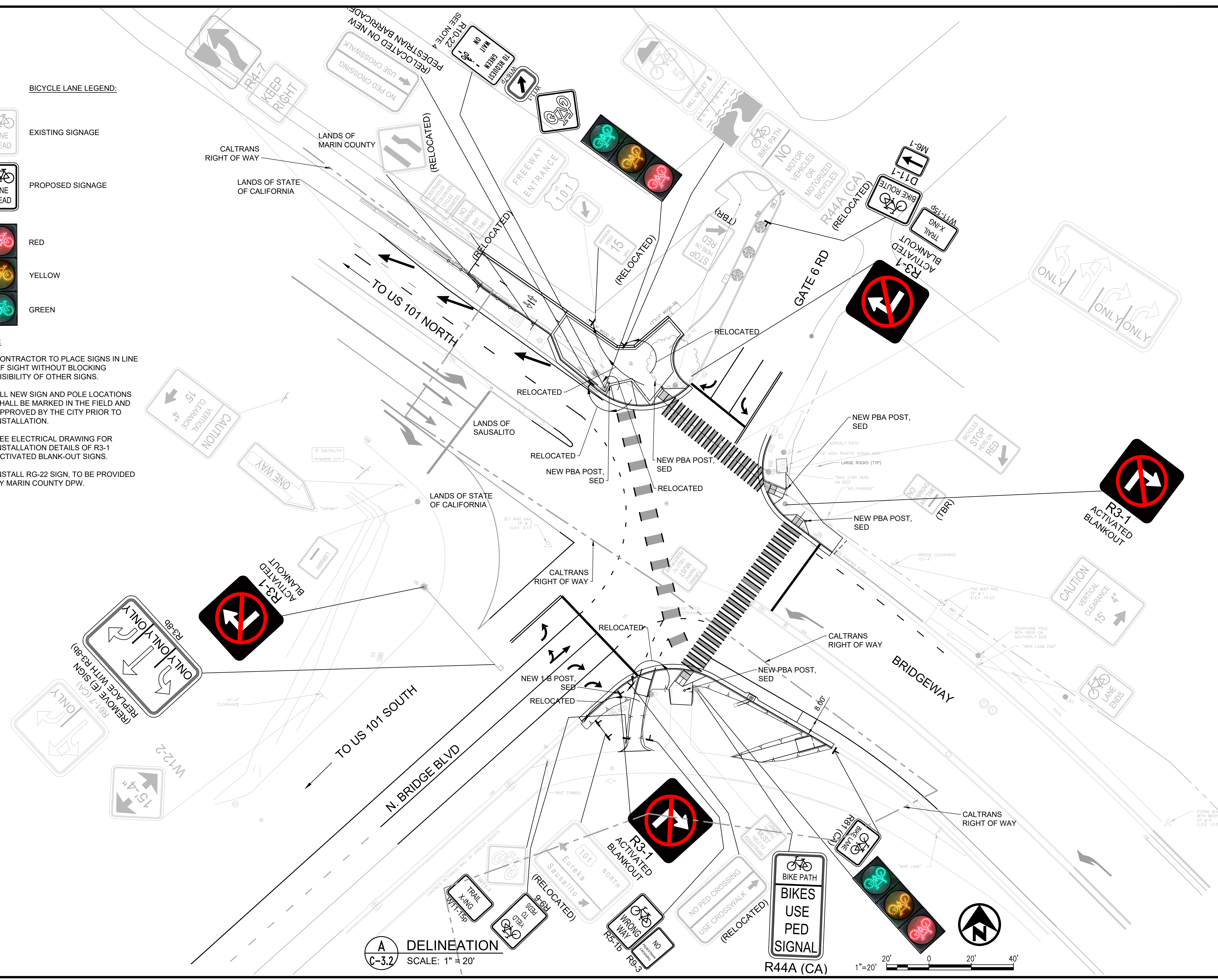
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SCALE: AS SHOWN
DRAWN BY: MLK
PROJECT NO: CML5098(012)
SHEET

C-3.2
14 OF 26 SHEETS

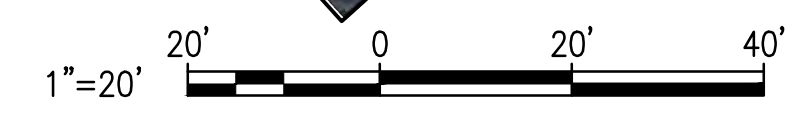
BICYCLE LANE LEGEND:



- NOTE:**
1. CONTRACTOR TO PLACE SIGNS IN LINE OF SIGHT WITHOUT BLOCKING VISIBILITY OF OTHER SIGNS.
 2. ALL NEW SIGN AND POLE LOCATIONS SHALL BE MARKED IN THE FIELD AND APPROVED BY THE CITY PRIOR TO INSTALLATION.
 3. SEE ELECTRICAL DRAWING FOR INSTALLATION DETAILS OF R3-1 ACTIVATED BLANK-OUT SIGNS.
 4. INSTALL RG-22 SIGN, TO BE PROVIDED BY MARIN COUNTY DPW.



A DELINEATION
C-3.2 SCALE: 1" = 20'

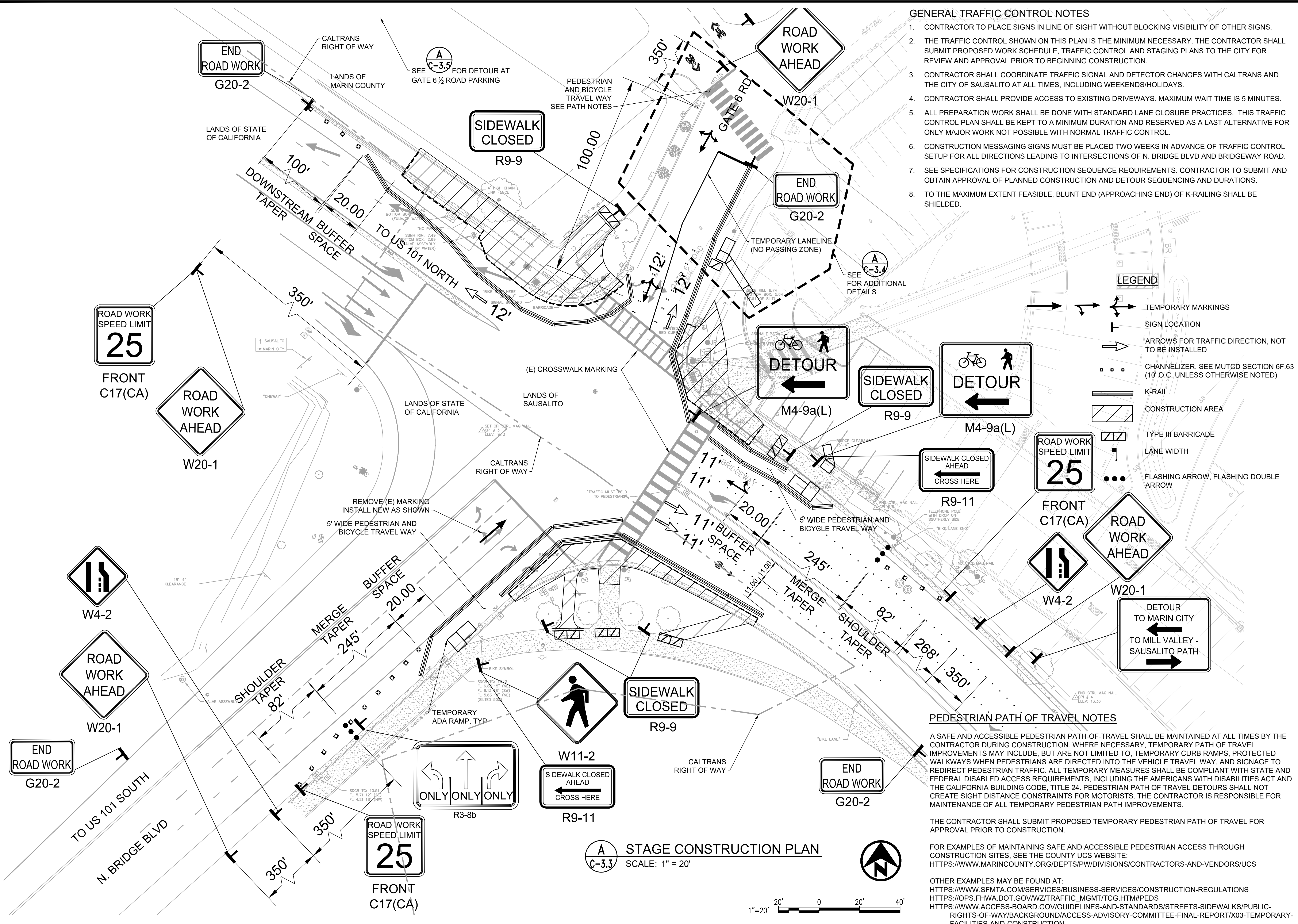


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U:\Projects\130319 Gate 6 Intersection\Drawings\01 Sheets\15 C-3.3 TRAFFIC CONTROL.dwg

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GENERAL TRAFFIC CONTROL NOTES

1. CONTRACTOR TO PLACE SIGNS IN LINE OF SIGHT WITHOUT BLOCKING VISIBILITY OF OTHER SIGNS.
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE, TRAFFIC CONTROL AND STAGING PLANS TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH CALTRANS AND THE CITY OF SAUSALITO AT ALL TIMES, INCLUDING WEEKENDS/HOLIDAYS.
4. CONTRACTOR SHALL PROVIDE ACCESS TO EXISTING DRIVEWAYS. MAXIMUM WAIT TIME IS 5 MINUTES.
5. ALL PREPARATION WORK SHALL BE DONE WITH STANDARD LANE CLOSURE PRACTICES. THIS TRAFFIC CONTROL PLAN SHALL BE KEPT TO A MINIMUM DURATION AND RESERVED AS A LAST ALTERNATIVE FOR ONLY MAJOR WORK NOT POSSIBLE WITH NORMAL TRAFFIC CONTROL.
6. CONSTRUCTION MESSAGING SIGNS MUST BE PLACED TWO WEEKS IN ADVANCE OF TRAFFIC CONTROL SETUP FOR ALL DIRECTIONS LEADING TO INTERSECTIONS OF N. BRIDGE BLVD AND BRIDGEWAY ROAD.
7. SEE SPECIFICATIONS FOR CONSTRUCTION SEQUENCE REQUIREMENTS. CONTRACTOR TO SUBMIT AND OBTAIN APPROVAL OF PLANNED CONSTRUCTION AND DETOUR SEQUENCING AND DURATIONS.
8. TO THE MAXIMUM EXTENT FEASIBLE, BLUNT END (APPROACHING END) OF K-RAILING SHALL BE SHIELDED.

LEGEND

- TEMPORARY MARKINGS
- SIGN LOCATION
- ARROWS FOR TRAFFIC DIRECTION, NOT TO BE INSTALLED
- CHANNELIZER, SEE MUTCD SECTION 6F.63 (10' O.C. UNLESS OTHERWISE NOTED)
- K-RAIL
- CONSTRUCTION AREA
- TYPE III BARRICADE
- LANE WIDTH
- FLASHING ARROW, FLASHING DOUBLE ARROW

PEDESTRIAN PATH OF TRAVEL NOTES

A SAFE AND ACCESSIBLE PEDESTRIAN PATH-OF-TRAVEL SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR DURING CONSTRUCTION. WHERE NECESSARY, TEMPORARY PATH OF TRAVEL IMPROVEMENTS MAY INCLUDE, BUT ARE NOT LIMITED TO, TEMPORARY CURB RAMPS, PROTECTED WALKWAYS WHEN PEDESTRIANS ARE DIRECTED INTO THE VEHICLE TRAVEL WAY, AND SIGNAGE TO REDIRECT PEDESTRIAN TRAFFIC. ALL TEMPORARY MEASURES SHALL BE COMPLIANT WITH STATE AND FEDERAL DISABLED ACCESS REQUIREMENTS, INCLUDING THE AMERICANS WITH DISABILITIES ACT AND THE CALIFORNIA BUILDING CODE, TITLE 24. PEDESTRIAN PATH OF TRAVEL DETOURS SHALL NOT CREATE SIGHT DISTANCE CONSTRAINTS FOR MOTORISTS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF ALL TEMPORARY PEDESTRIAN PATH IMPROVEMENTS.

THE CONTRACTOR SHALL SUBMIT PROPOSED TEMPORARY PEDESTRIAN PATH OF TRAVEL FOR APPROVAL PRIOR TO CONSTRUCTION.

FOR EXAMPLES OF MAINTAINING SAFE AND ACCESSIBLE PEDESTRIAN ACCESS THROUGH CONSTRUCTION SITES, SEE THE COUNTY UCS WEBSITE:
[HTTPS://WWW.MARINCOUNTY.ORG/DEPTS/PW/DIVISIONS/CONTRACTORS-AND-VENDORS/UCS](https://www.marincounty.org/depts/pw/divisions/contractors-and-vendors/ucs)

OTHER EXAMPLES MAY BE FOUND AT:
[HTTPS://WWW.SFMTA.COM/SERVICES/BUSINESS-SERVICES/CONSTRUCTION-REGULATIONS](https://www.sfmta.com/services/business-services/construction-regulations)
[HTTPS://OPS.FHWA.DOT.GOV/WZ/TRAFFIC_MGMT/TCG.HTM#PEDS](https://ops.fhwa.dot.gov/wz/traffic_mgmt/tcg.htm#peds)
[HTTPS://WWW.ACCESS-BOARD.GOV/GUIDELINES-AND-STANDARDS/STREETS-SIDEWALKS/PUBLIC-RIGHTS-OF-WAY/BACKGROUND/ACCESS-ADVISORY-COMMITTEE-FINAL-REPORT/X03-TEMPORARY-FACILITIES-AND-CONSTRUCTION](https://www.access-board.gov/guidelines-and-standards/streets-sidewalks/public-rights-of-way/background/access-advisory-committee-final-report/x03-temporary-facilities-and-construction)

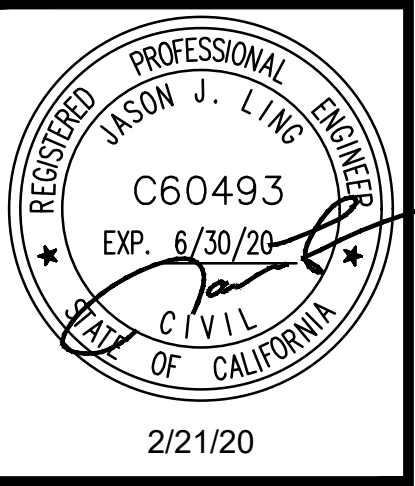
REVISIONS

1	SIDEWALK GRADING REVISED
2	MCPDS COMMENTS
3	AMENDMENT 3



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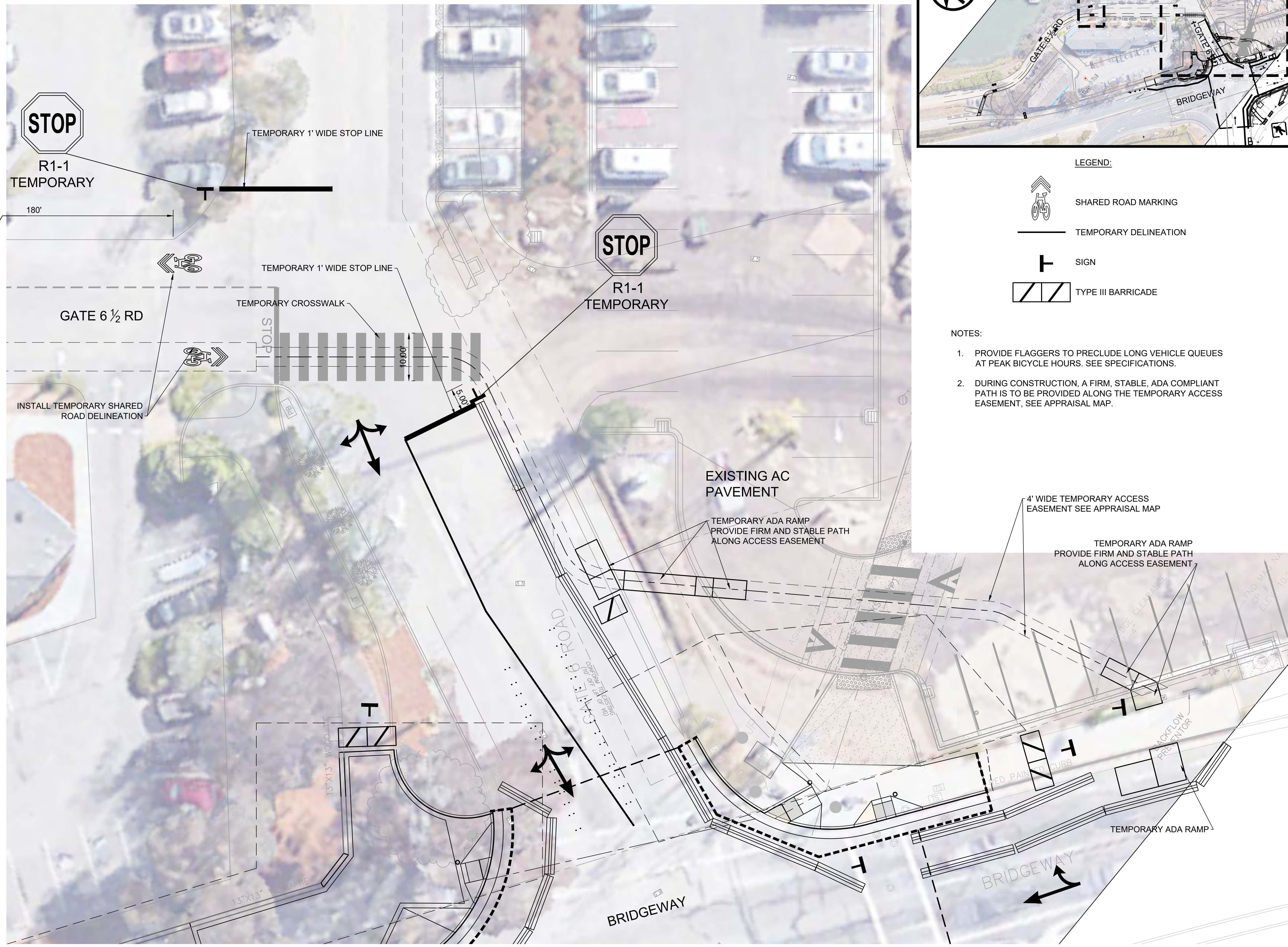
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GATE 6 INTERSECTION MODIFICATIONS
 STAGE CONSTRUCTION PLAN

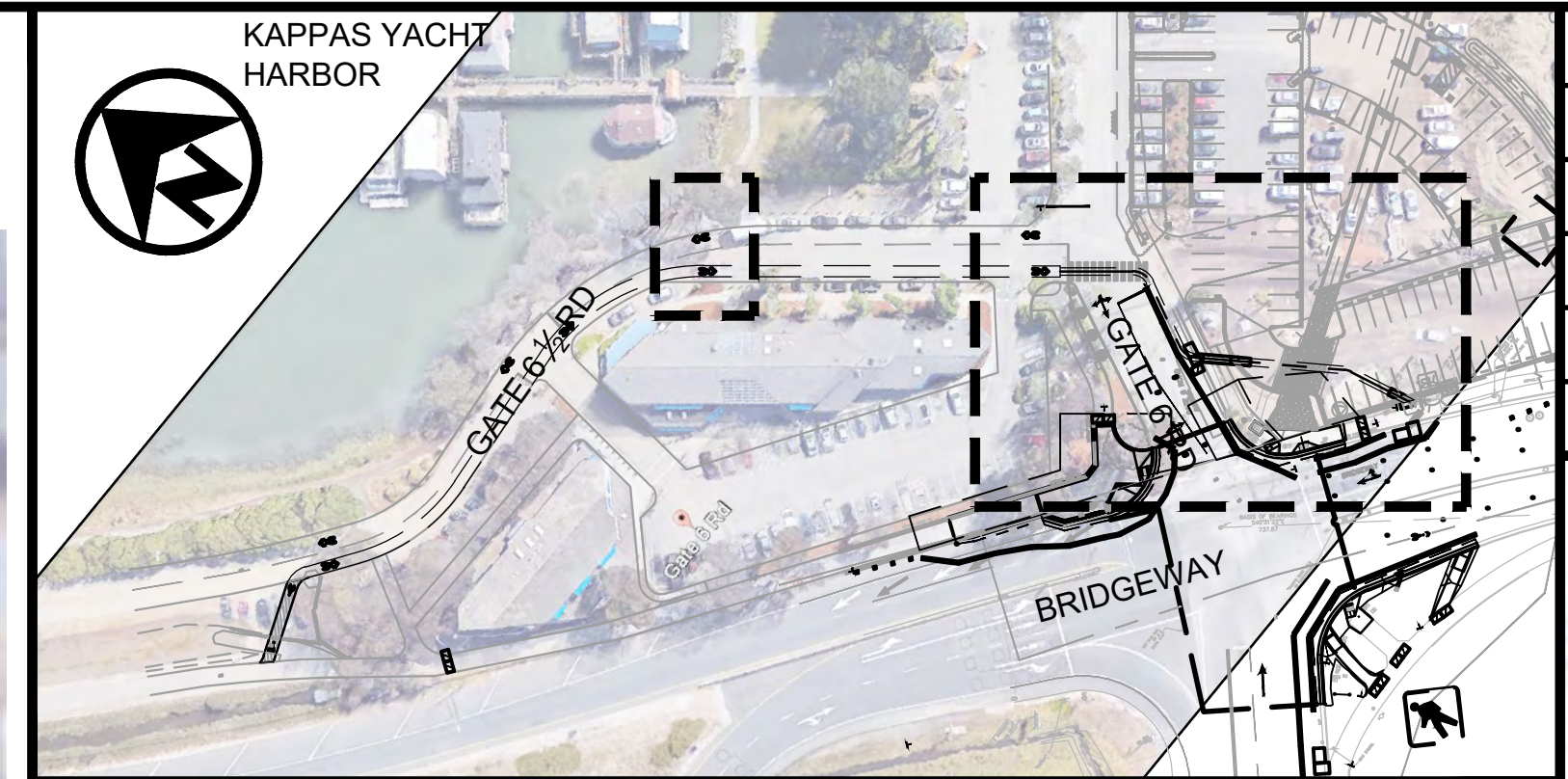
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 DRAWN BY: MLK
 PROJECT NO: CML5098(012)
 SHEET

C-3.3

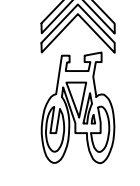



15 OF 26 SHEETS



A TEMPORARY DETOUR PLAN
C-3.4 SCALE: 1" = 10'



LEGEND:

-  SHARED ROAD MARKING
-  TEMPORARY DELINEATION
-  SIGN
-  TYPE III BARRICADE

NOTES:

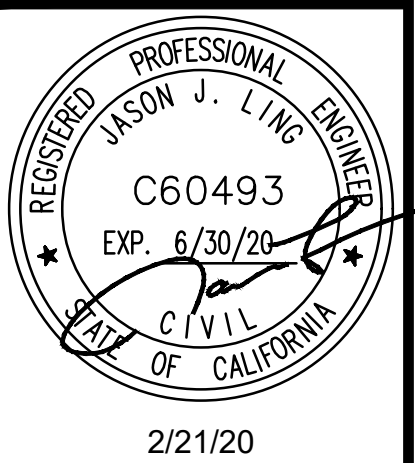
1. PROVIDE FLAGGERS TO PRECLUDE LONG VEHICLE QUEUES AT PEAK BICYCLE HOURS. SEE SPECIFICATIONS.
2. DURING CONSTRUCTION, A FIRM, STABLE, ADA COMPLIANT PATH IS TO BE PROVIDED ALONG THE TEMPORARY ACCESS EASEMENT, SEE APPRAISAL MAP.

REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPQS COMMENTS
3	AMENDMENT 3



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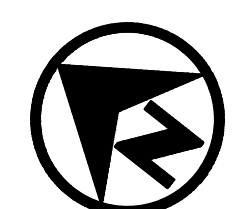
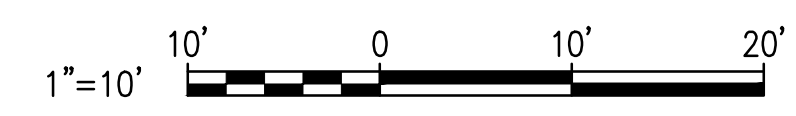


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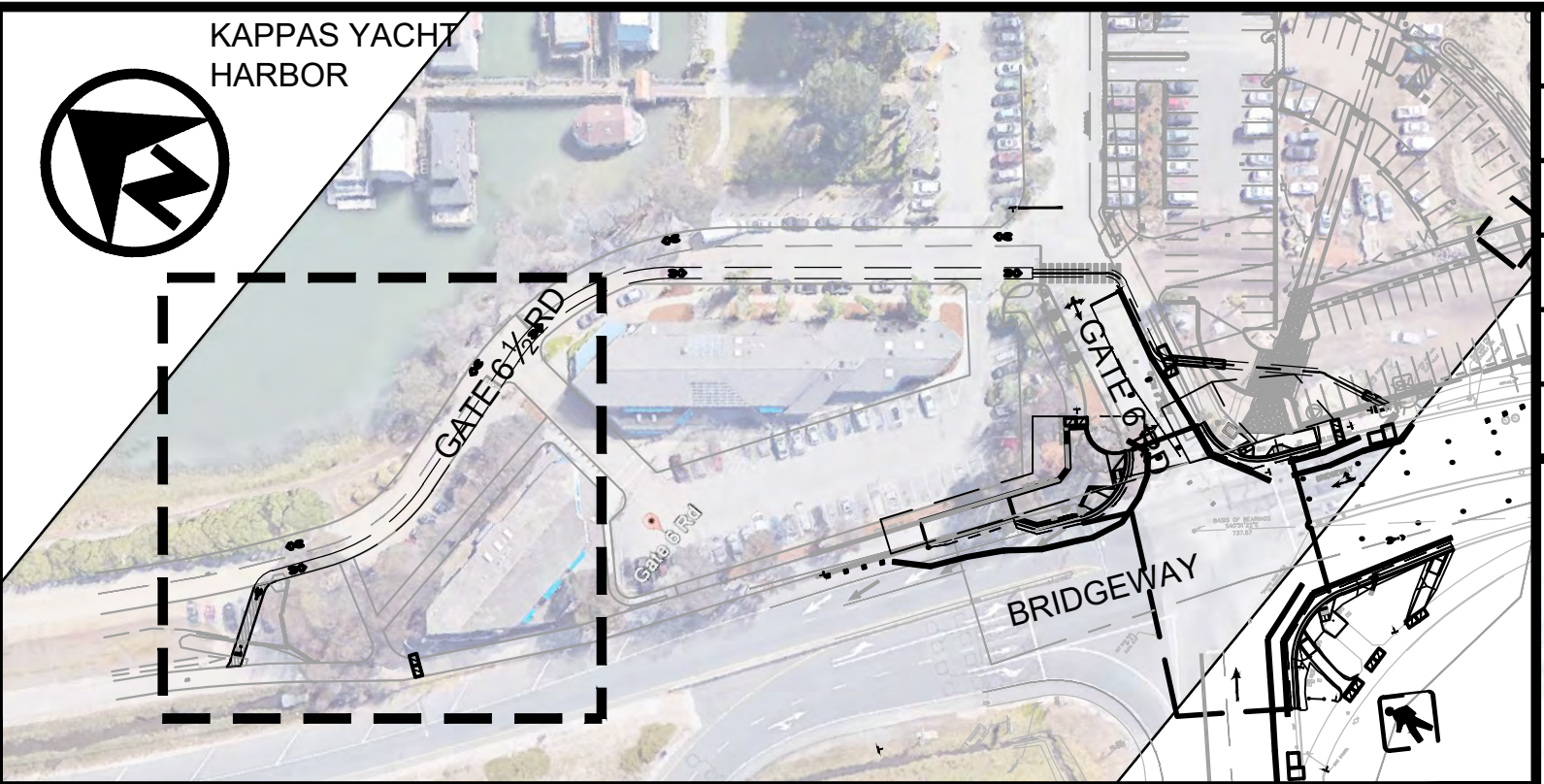
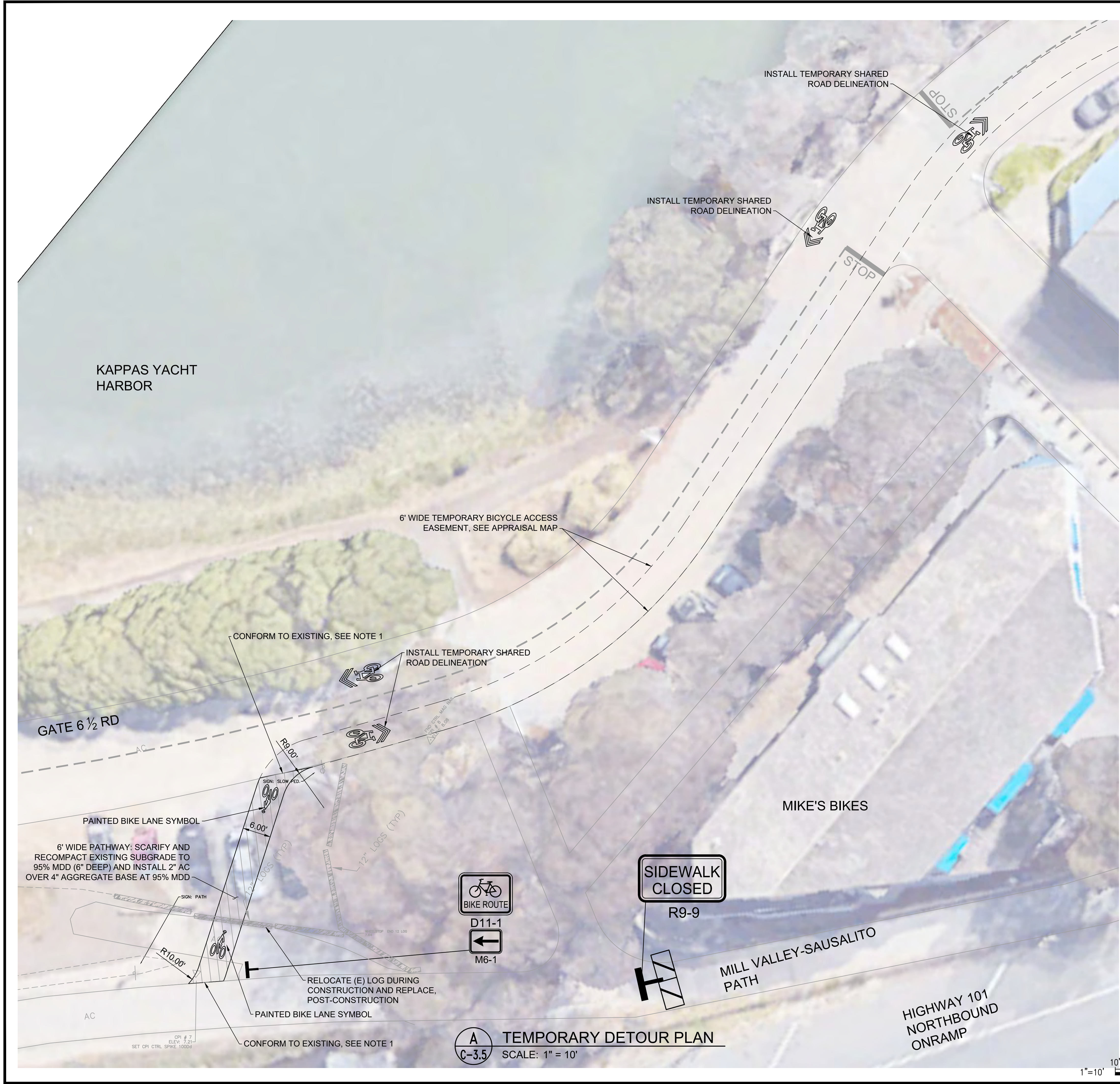
**GATE 6 INTERSECTION
 MODIFICATIONS**
 TEMPORARY DETOUR PLAN

DATE:	2/21/2020
SCALE:	AS SHOWN
DRAWN BY:	MLK
PROJECT NO.:	CML5098(012)
SHEET:	

C-3.4



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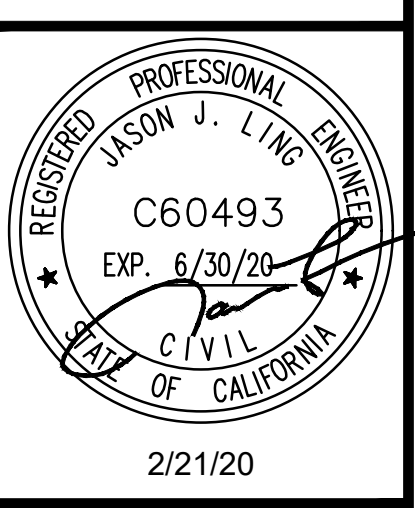


REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPOS COMMENTS
3	AMENDMENT 3



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LEGEND:

- SHARED ROAD MARKING, CALTRANS STANDARD SHEET A24C
- AC PATHWAY
- TEMPORARY DELINEATION
- TYPE III BARRICADE
- SIGN

NOTE:

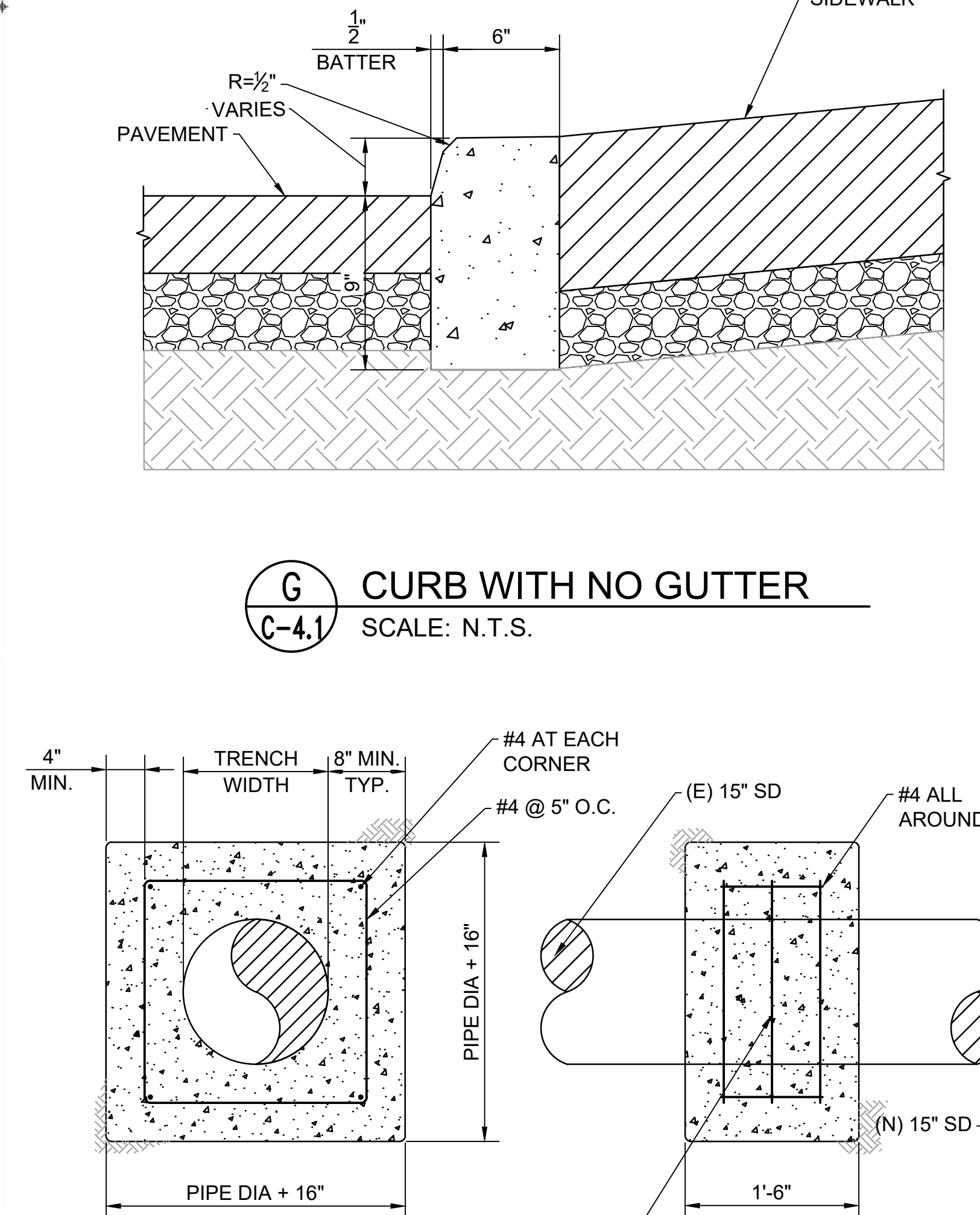
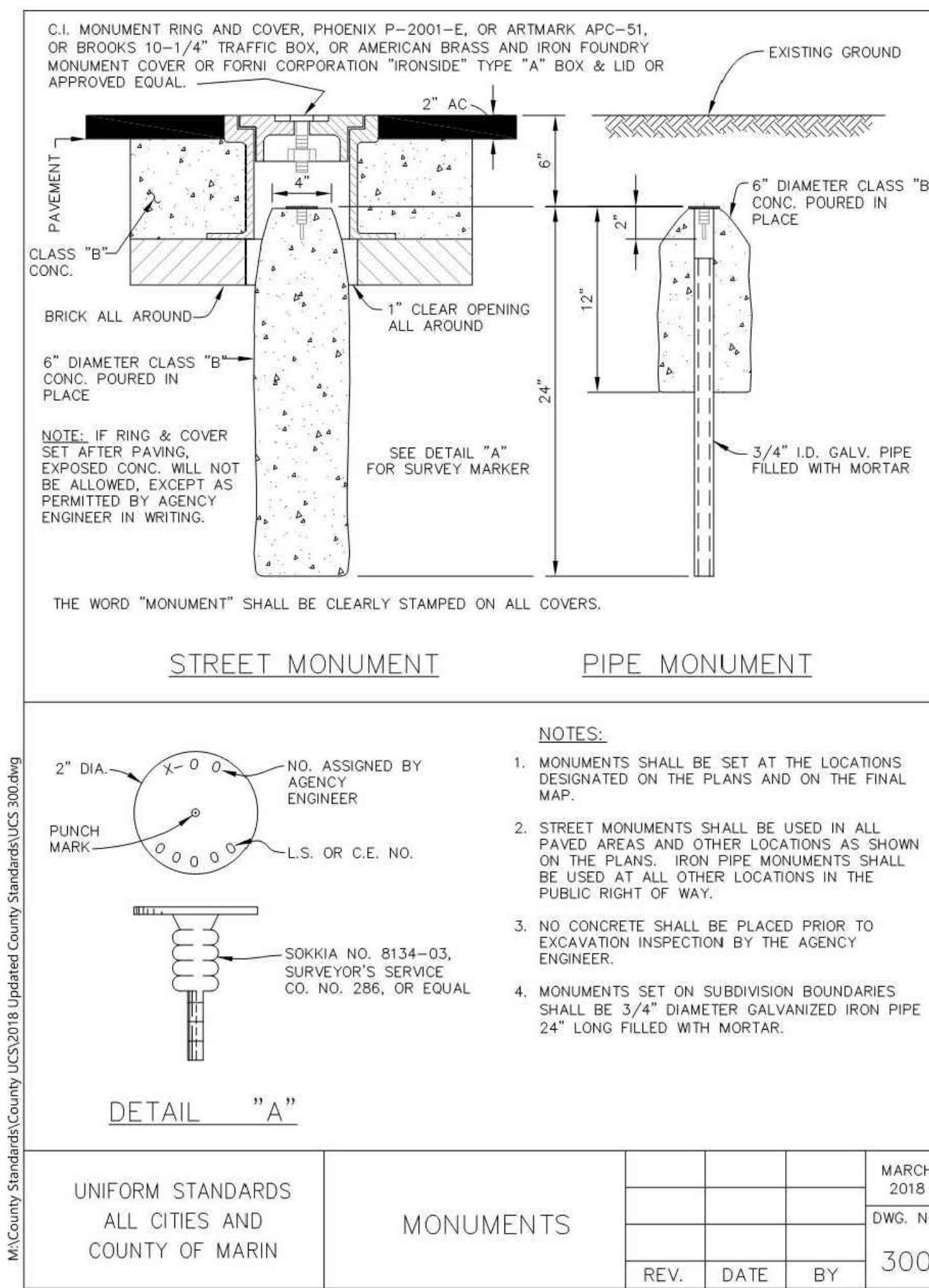
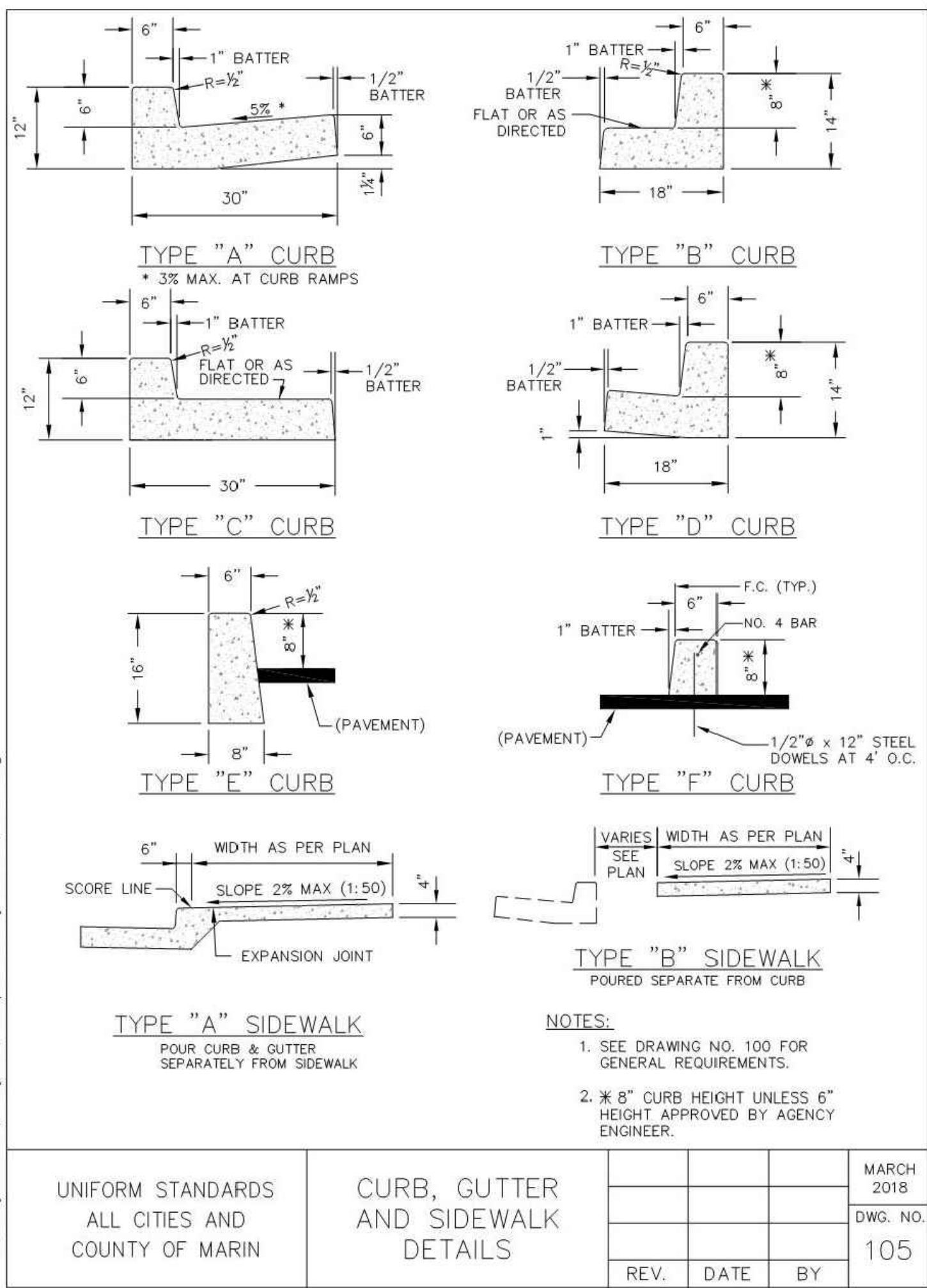
1. TEMPORARY PATHWAY TO CONFORM TO EXISTING PAVEMENT WITH SLOPE NOT MORE THAN 5%.
2. REMOVE AC PAVEMENT AT COMPLETION OF WORK AND RETURN SITE TO ORIGINAL CONDITION.
3. AC PATHWAY TO BE INSTALLED WITHIN TEMPORARY BICYCLE ACCESS EASEMENT, SEE APPRAISAL MAP.

GATE 6 INTERSECTION MODIFICATIONS
TEMPORARY DETOUR PLAN

DATE: 2/21/2020
SCALE: AS SHOWN
DRAWN BY: MLK
PROJECT NO: CML5098(012)
SHEET

C-3.5

- EXISTING CONCRETE SHALL BE REMOVED AT EXPANSION OR WEAKENED PLANE JOINTS OR AT SAWCUTS AS FIELD MARKED BY AGENCY ENGINEER. SAWCUTS MUST GO ENTIRELY THROUGH CONCRETE.
- FOR NEW DEVELOPMENT, NO UTILITY BOXES OR POLES WILL BE PERMITTED IN THE SIDEWALK AREA WITHOUT THE PRIOR WRITTEN APPROVAL OF THE AGENCY ENGINEER.
- WHERE UNDERCUT SUBGRADE OR UNSUITABLE SUBGRADE MATERIAL IS ENCOUNTERED, THE AGENCY ENGINEER MAY REQUIRE REMEDIAL WORK TO BE DONE, INCLUDING OVER EXCAVATION AND BACKFILLING WITH CRUSHED ROCK AND, WHEN DIRECTED BY THE ENGINEER, PLACING GEOTEXTILE FABRIC BENEATH THE NEW CONCRETE SECTION.
- SUBGRADE SHALL BE COMPACTED TO AT LEAST 95% RELATIVE COMPACTION IN THE TOP SIX INCHES.
- NEW WORK SHALL MATCH EXISTING AS CLOSELY AS POSSIBLE IN FINISH, SCORING AND COLOR. FOR NEW INSTALLATIONS PLACED ADJACENT TO EXISTING, 2LB. DAVIS BLACK #8084 (OR EQUIVALENT) PER CU. YD. CONCRETE SHALL BE ADDED TO MIX.
- EXCEPT WHERE SPECIFIED OTHERWISE HEREIN, NO ADMIXTURES SHALL BE USED WITHOUT THE PERMISSION OF THE AGENCY ENGINEER.
- FORMS SHALL MEET GRADE AND FORM FACES SHALL NOT VARY FROM THE DIMENSIONS SHOWN BY MORE THAN 1/2 INCH.
- NO CONCRETE SHALL BE PLACED UNTIL THE AGENCY ENGINEER HAS INSPECTED AND APPROVED FORMS AND SUBGRADE/BASE.
- SUBGRADE/BASE SHALL BE THOROUGHLY WETTED IMMEDIATELY PRIOR TO PLACING CONCRETE.
- CONCRETE SHALL BE A MINIMUM CLASS B (5 SACK MIX) WITH 1 INCH MAXIMUM AGGREGATE FROM AN APPROVED MIXING PLANT. NO BAGGED MIX IS PERMITTED.
- CONCRETE SHALL HAVE A SLUMP OF NOT MORE THAN FOUR INCHES.
- FOR SIDEWALKS AND DRIVEWAY APPROACHES, 1/4 INCH DEEP SCORE LINES SHALL BE PLACED AT FOUR FEET ON CENTER OR AS DIRECTED BY THE AGENCY ENGINEER.
- WEAKENED PLANE JOINTS AT LEAST 3/4" DEEP SHALL BE PLACED AT A MINIMUM 16 FEET ON CENTER EXCEPT FOR SIDEWALKS AND DRIVEWAY APPROACHES WHICH SHALL BE A MINIMUM 5 FEET ON CENTER.
- 3/8 INCH THICK EXPANSION JOINTS SHALL BE PLACED ON BOTH SIDES OF DRIVEWAY APPROACHES, AT CURB AND SIDEWALK RETURN POINTS, DRAINAGE STRUCTURES AND OTHER LOCATIONS AS SHOWN ON THE PLANS.
- ALL EXPOSED EDGES SHALL BE ROUNDED WITH 1/2 INCH RADIUS TOOL.
- ALL FLAT SURFACES SHALL BE LIGHT BROOM FINISHED UNLESS OTHERWISE SPECIFIED BY AGENCY ENGINEER.
- CURBS, SIDEWALKS AND DRIVEWAY APPROACHES SHALL HAVE FORMS REMOVED AND BE BACKFILLED WITHIN SEVEN DAYS AFTER POURING.
- THE DESIGNATED DIMENSIONS AND SLOPES MAYBE MODIFIED TO ACCOMMODATE EXISTING ADJACENT FACILITIES SUBJECT TO THE APPROVAL OF THE AGENCY ENGINEER.



UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN	REQUIREMENTS FOR CONCRETE CURB, GUTTER, SIDEWALK, DRIVEWAY AND OTHER "FLATWORK"	REV.	DATE	BY	MARCH 2018 DWG. NO. 100
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UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN	CURB, GUTTER AND SIDEWALK DETAILS	REV.	DATE	BY	MARCH 2018 DWG. NO. 105
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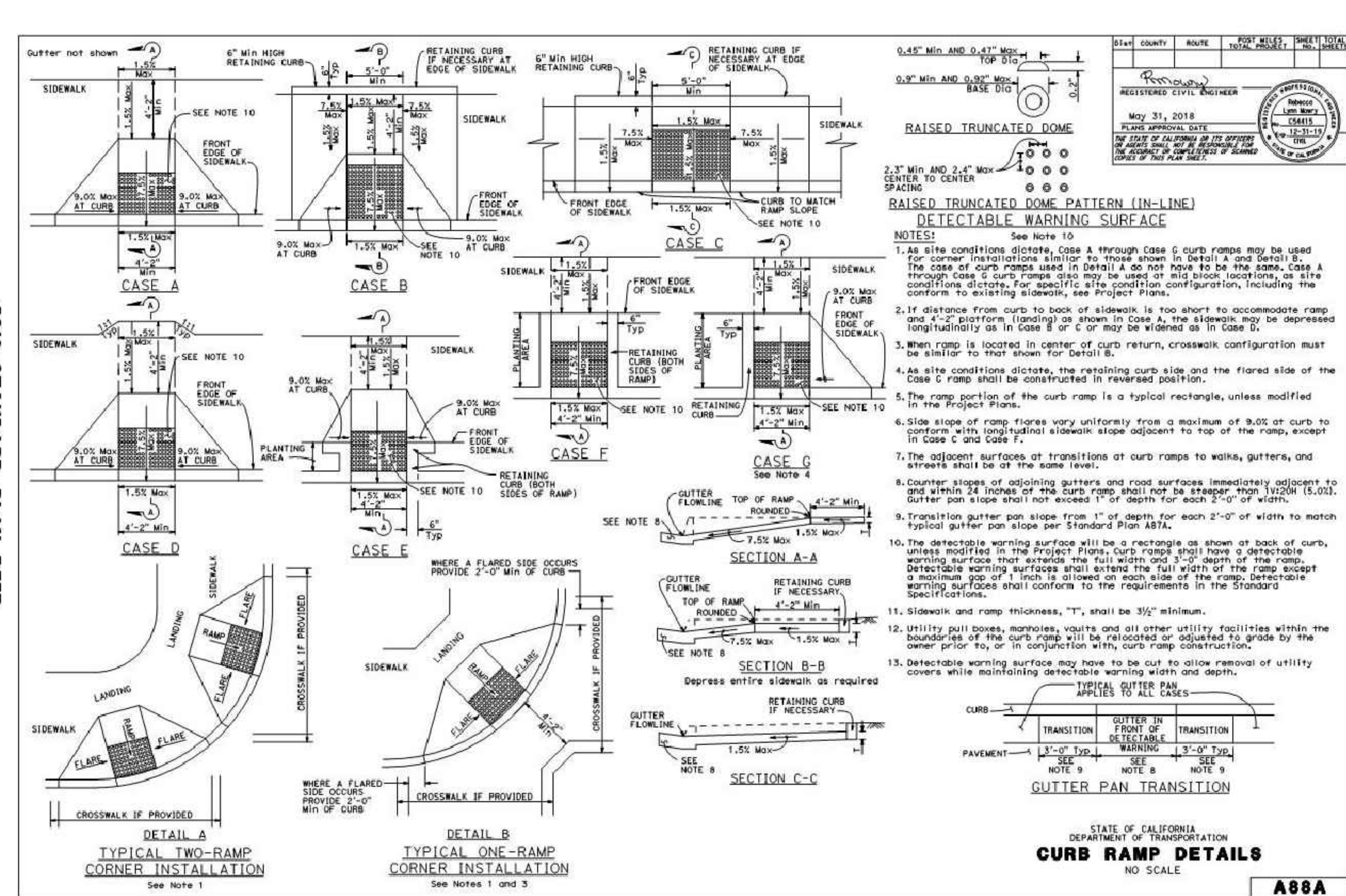
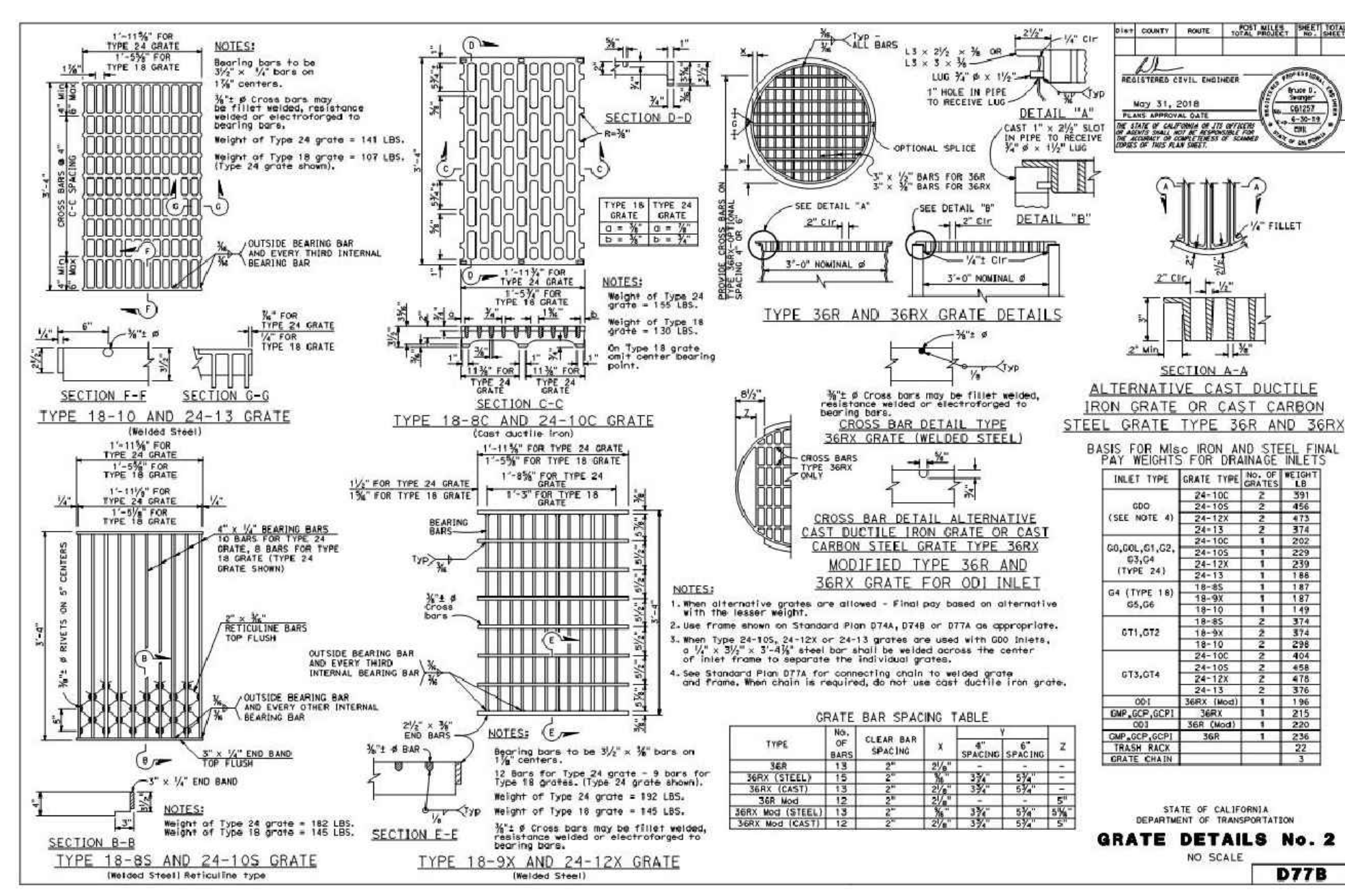
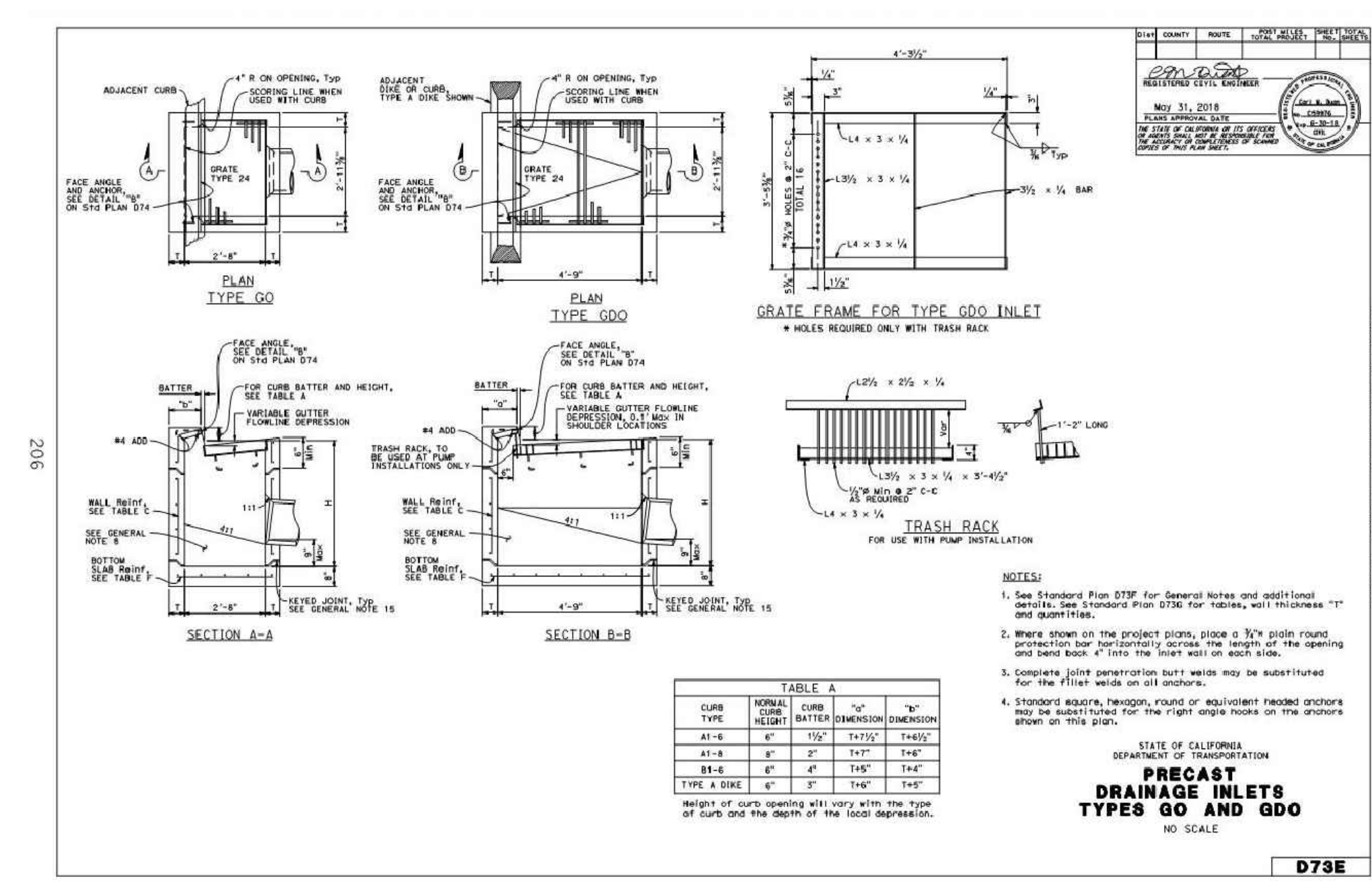
UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN	MONUMENTS	REV.	DATE	BY	MARCH 2018 DWG. NO. 300
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A CURB, GUTTER, SIDEWALK, DRIVEWAY AND OTHER FLATWORK DETAILS
SCALE: N.T.S.

B CURB, GUTTER AND SIDEWALK DETAILS
SCALE: N.T.S.

C MONUMENT DETAILS
SCALE: N.T.S.

H STORM DRAIN CONCRETE COLLAR DETAIL
SCALE: N.T.S.



D DRAINAGE INLET DETAILS
SCALE: N.T.S.

E GRATE DETAILS
SCALE: N.T.S.

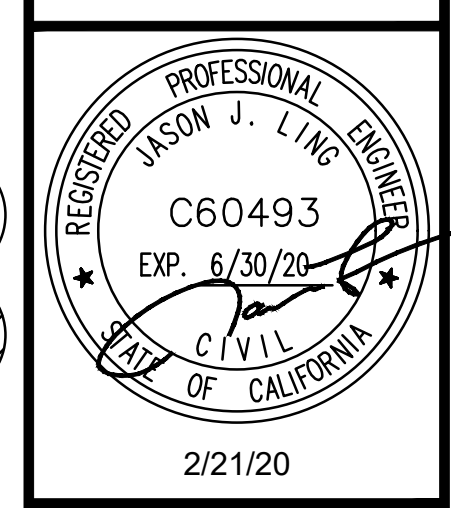
F CURB RAMP DETAILS
SCALE: N.T.S.

REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCOFS COMMENTS
3	AMENDMENT 3



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GATE 6 INTERSECTION MODIFICATIONS
CIVIL DETAILS

DATE: 2/21/2020
SCALE: AS SHOWN
DRAWN BY: MLK
PROJECT NO: CML5098(012)
SHEET

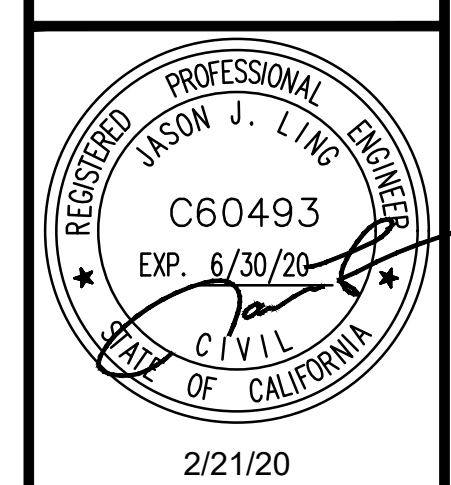
C-4.1

REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCPOS COMMENTS
3	AMENDMENT 3



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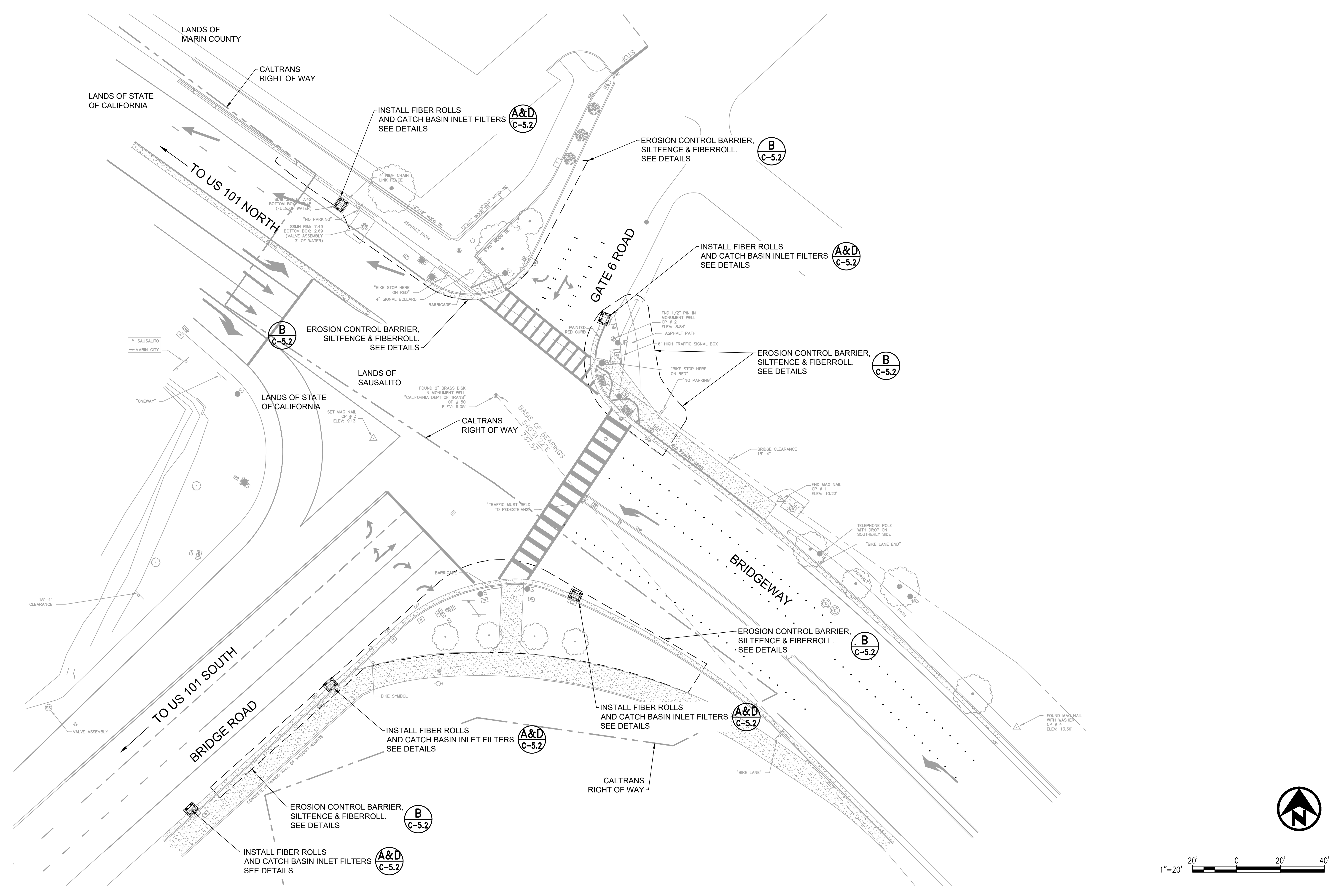


2/21/20

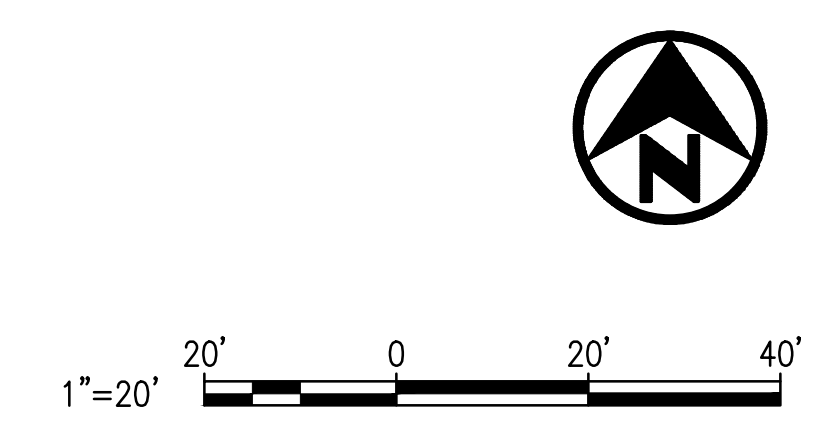
GATE 6 INTERSECTION MODIFICATIONS
EROSION CONTROL PLAN

DATE: 2/21/2020
SCALE: AS SHOWN
DRAWN BY: MLK
PROJECT NO: CML5098(012)
SHEET

C-5.1



A
C-5.1 EROSION CONTROL
SCALE: 1" = 20'



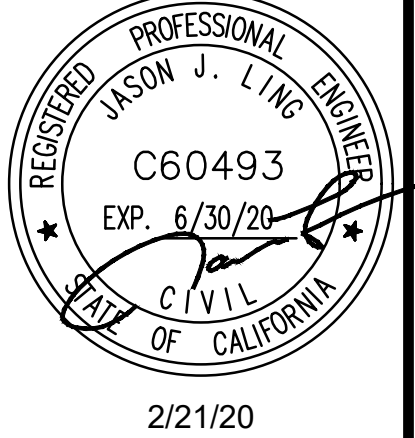
U:\Projects\130319 Gate 6 Intersection\Drawings\01 Sheets\19-20 C-5.1-5.2 EROSION CONTROL.dwg

REVISIONS	
1	SIDEWALK GRADING REVISED
2	MCOFS COMMENTS
3	AMENDMENT 3



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2/21/20

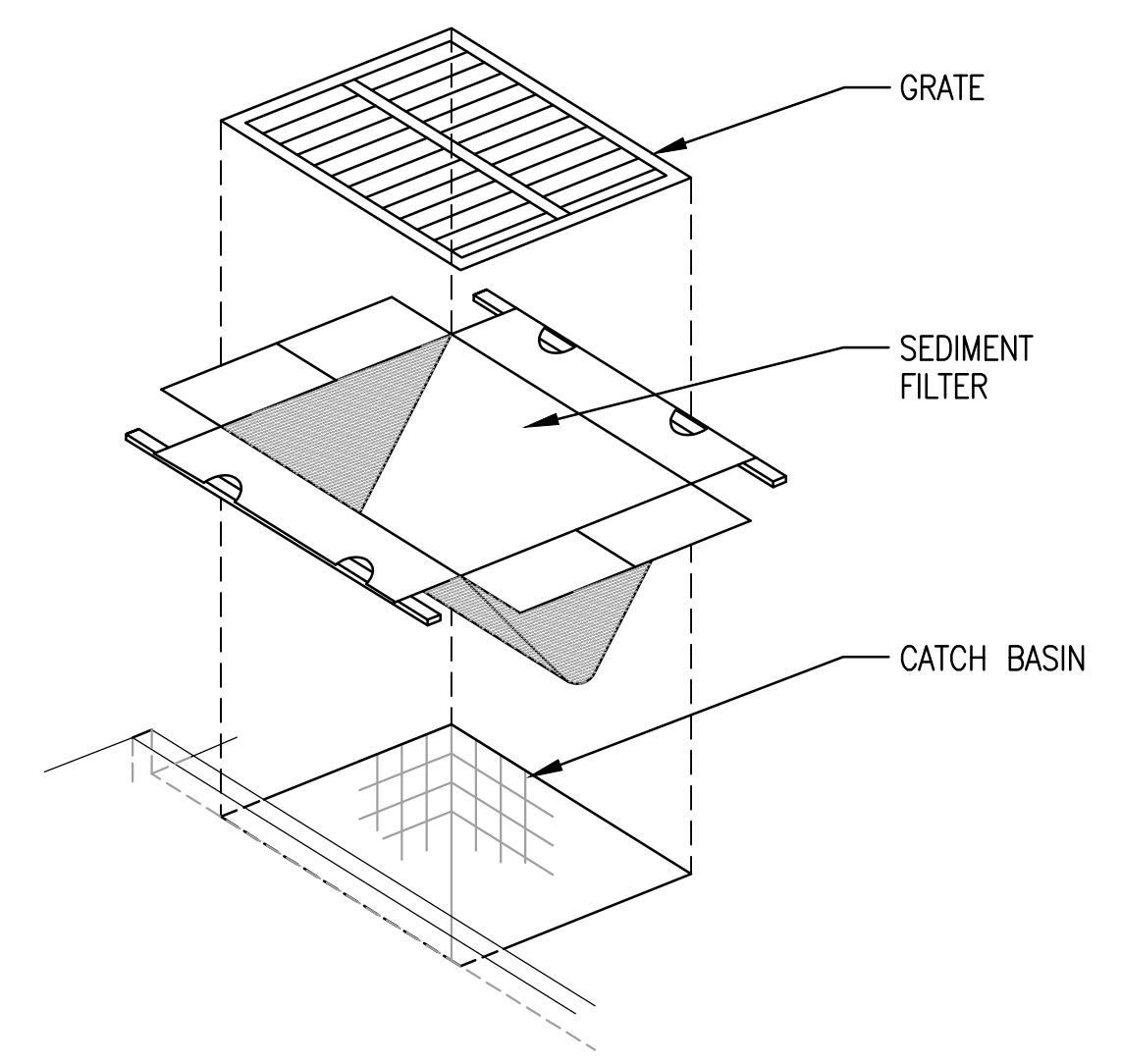
GATE 6 INTERSECTION MODIFICATIONS

EROSION CONTROL DETAILS

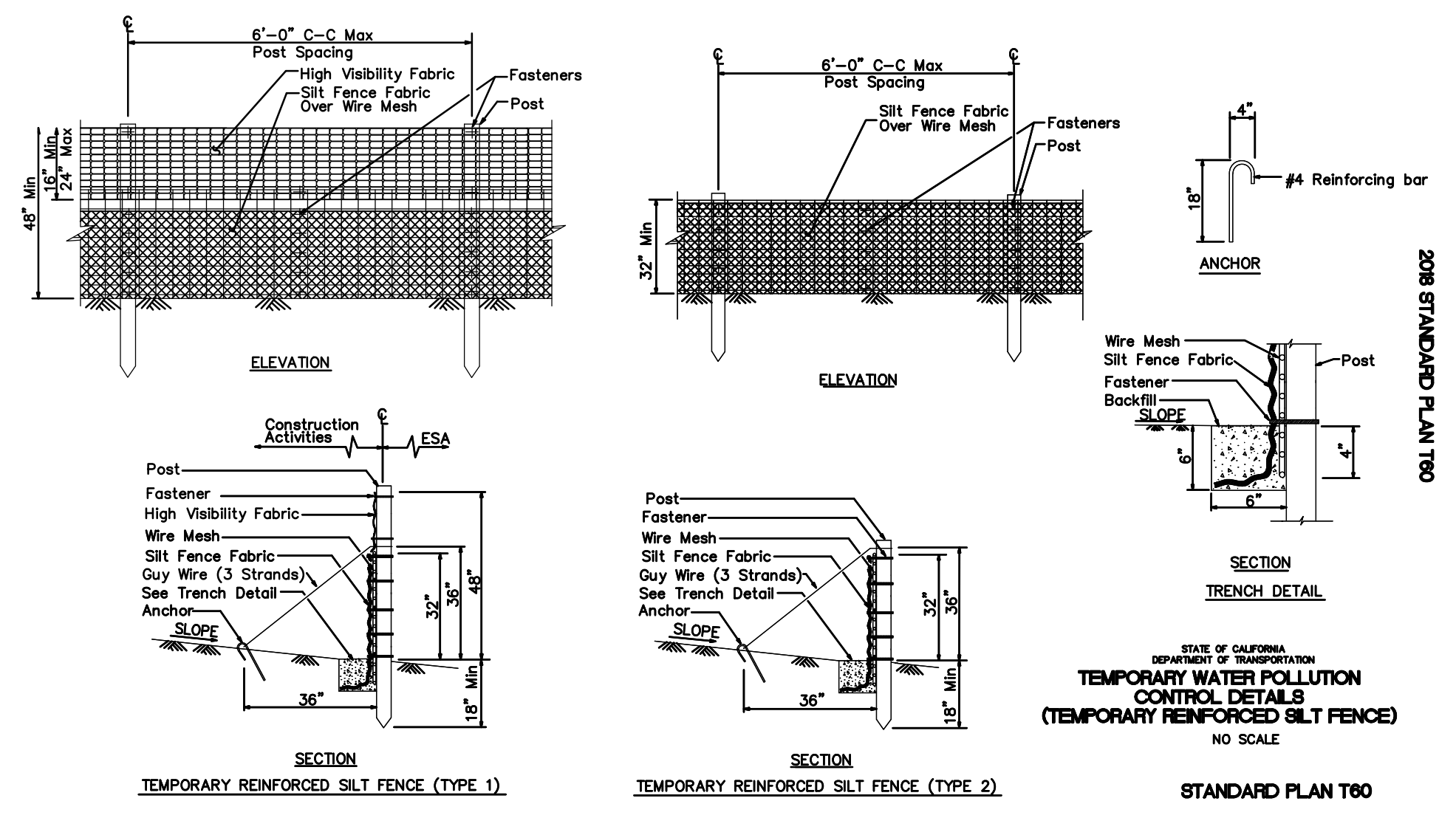
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SCALE: AS SHOWN
DRAWN BY: MLK
PROJECT NO: CML5098(012)
SHEET

C-5.2

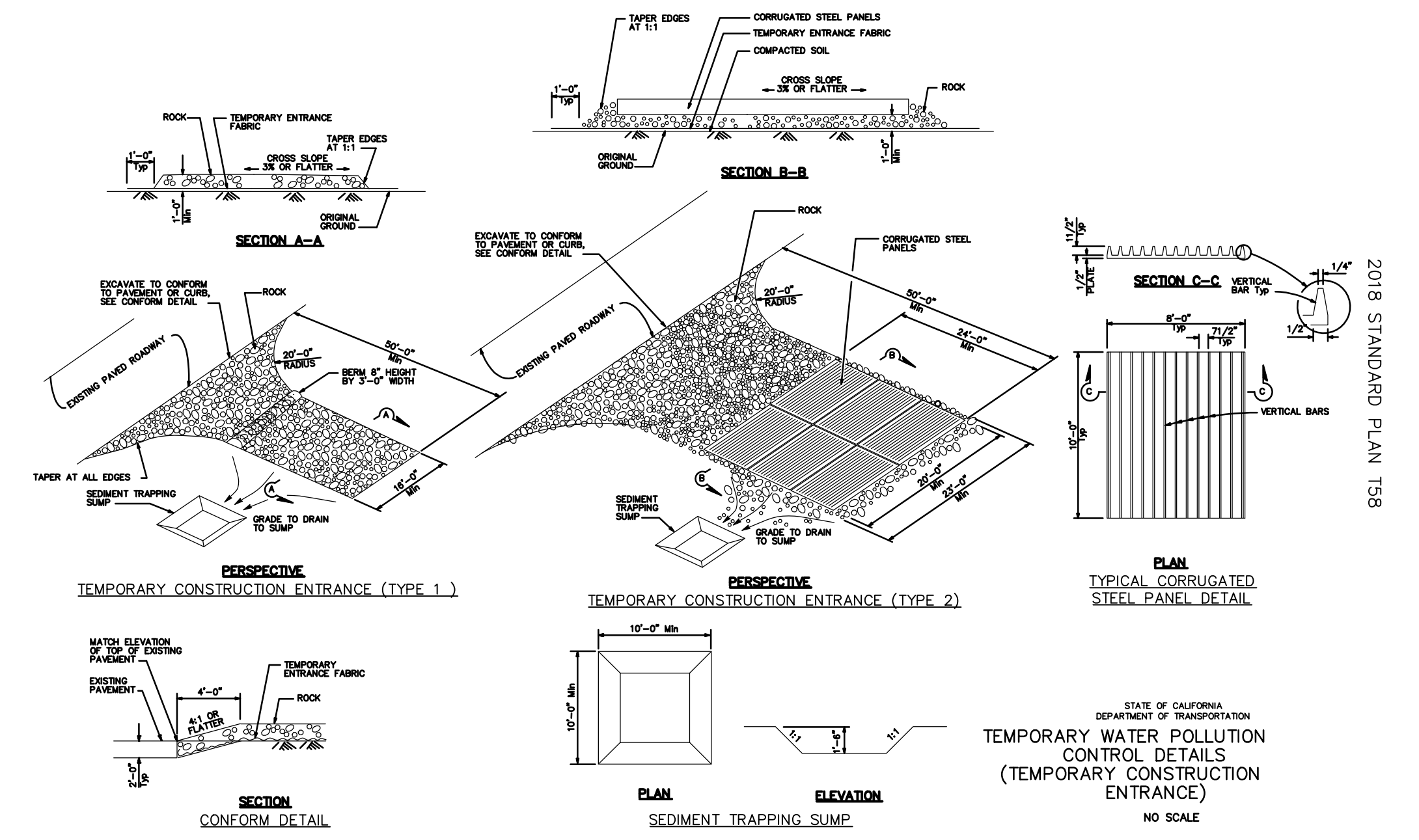
20 OF 26 SHEETS



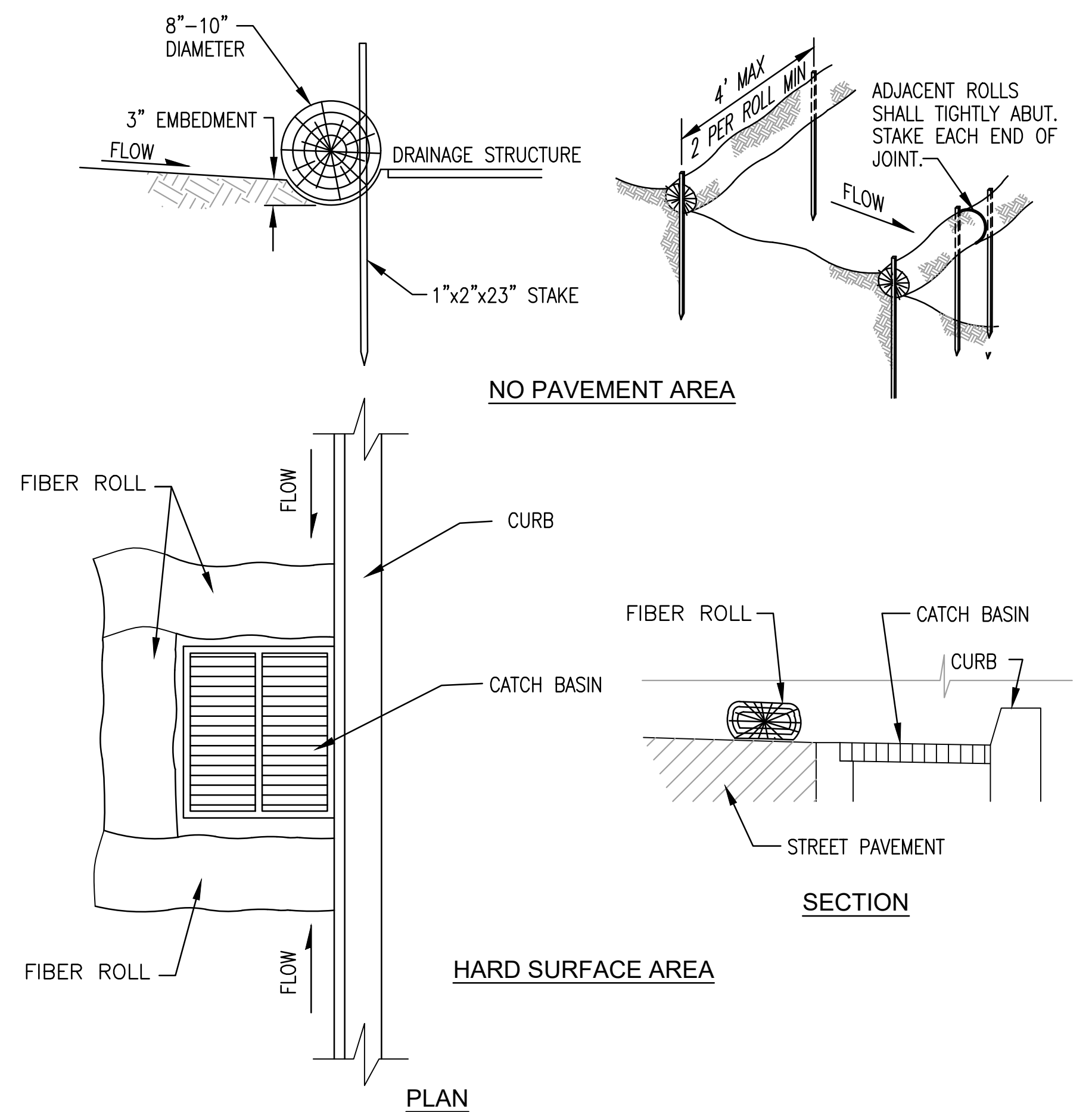
A INLET FILTER DETAIL
C-5.2 SCALE: N.T.S.



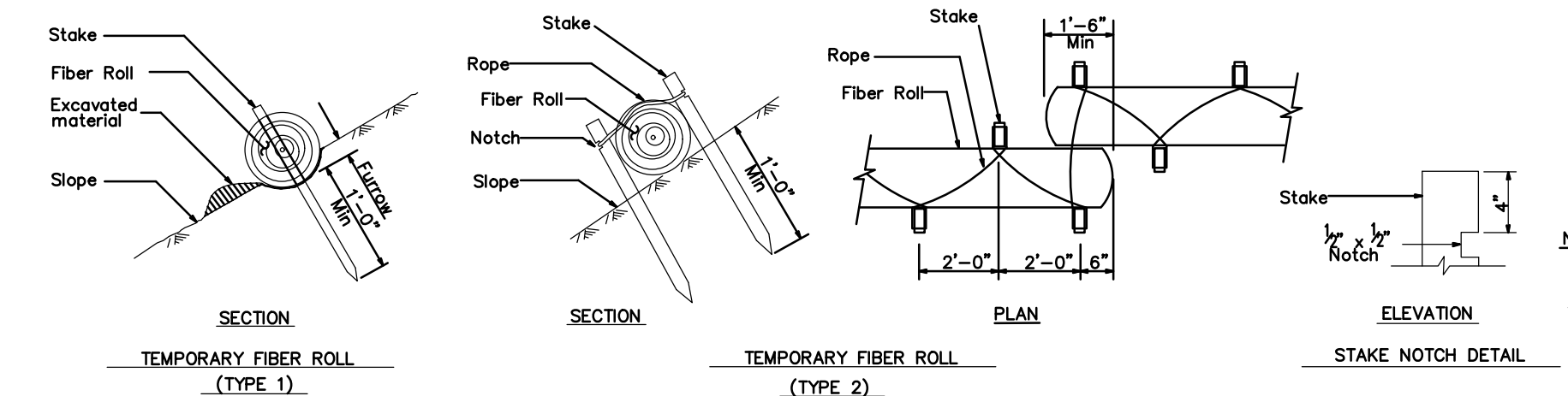
B TEMPORARY REINFORCED SILT FENCE
C-5.2 SCALE: N.T.S.



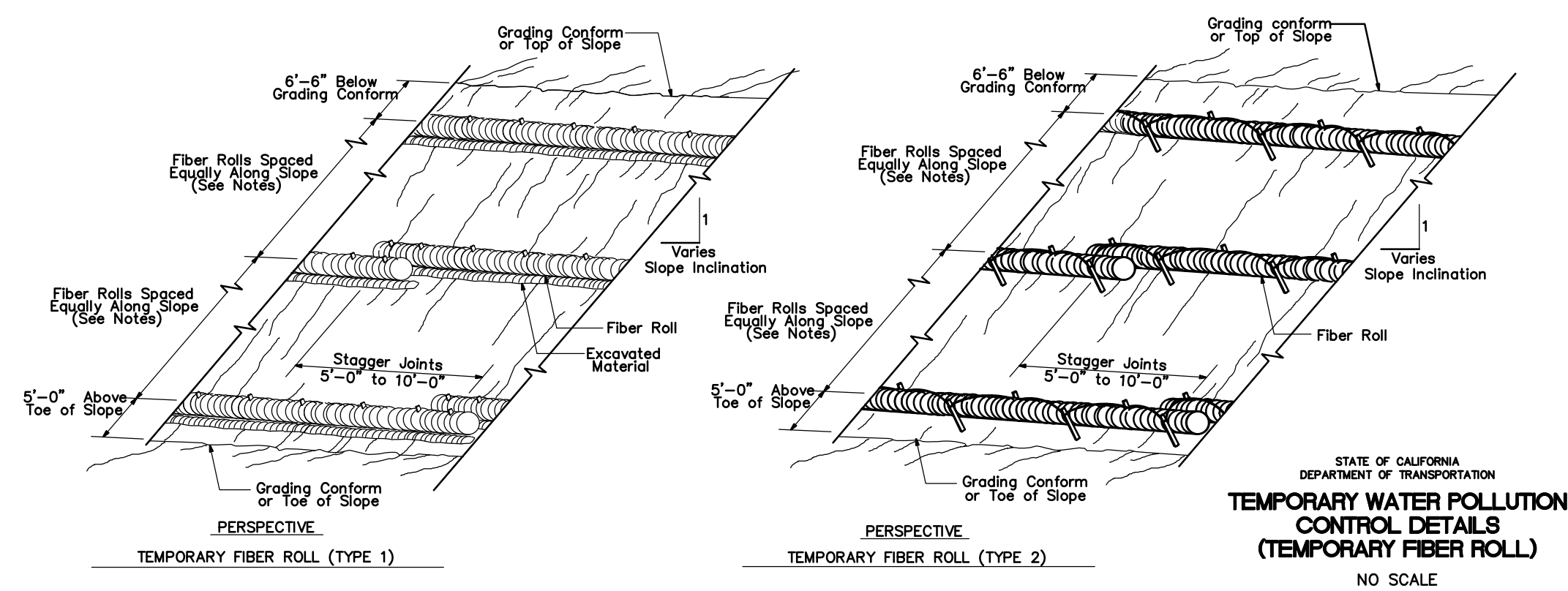
C TEMPORARY CONSTRUCTION ENTRANCE
C-5.2 SCALE: N.T.S.



D FIBER ROLL DETAILS
C-5.2 SCALE: N.T.S.



E TEMPORARY FIBER ROLL
C-5.2 SCALE: N.T.S.



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY FIBER ROLL)
NO SCALE

STANDARD PLAN T56

F CHEMICAL & WASTE MANAGEMENT
C-5.2 SCALE: N.T.S.

U:\Projects\130319 Gate 6 Intersection\Drawings\01 Sheets\19-20 C-5.1-5.2 EROSION CONTROL.dwg

2/21/2020 11:16 AM

ELECTRICAL INDEX

- E-1 ELECTRICAL INDEX, NOTES, ABBREVIATIONS AND LEGEND
- E-2 TO E-4 MODIFYING SIGNAL AND LIGHTING SYSTEMS
- E-5 MODIFYING RAMP METERING SYSTEMS
- E-6 ELECTRICAL SYSTEMS DETAILS

GENERAL NOTES

1. NO ABOVE GROUND ELECTRICAL WORK SHALL BE PERFORMED ON ANY SYSTEM WITHIN THE PROJECT SITE UNTIL ALL CONTRACTOR-FURNISHED ELECTRICAL MATERIALS FOR THAT INDIVIDUAL SYSTEM HAVE BEEN TESTED AND DELIVERED TO CONTRACTOR.
2. THE NEUTRAL CONDUCTOR SHALL RUN FROM THE SERVICE EQUIPMENT ENCLOSURE TO THE CONTROLLER CABINET WITHOUT SPLICING TO ANY OTHER NEUTRAL CONDUCTOR.
3. THE CLEARANCE BETWEEN THE BOTTOM OF THE LOWEST CIRCUIT BREAKER AND THE BOTTOM OF THE SERVICE EQUIPMENT ENCLOSURE FOR A TYPE III-A SERIES SHALL BE 24 INCHES MINIMUM.
4. WHERE ONE OR MORE TRAFFIC SIGNAL DETECTOR(S) CONSIST OF A SEQUENCE OF 4 LOOPS IN A SINGLE LANE, THE FRONT LOOP CLOSEST TO THE LIMIT LINE OR CROSSWALK SHALL BE LOCATED 1 FOOT FROM THE LINE. THE SET OF 3 LOOPS OR 4 LOOPS ASSIGNED TO THE SAME LOOP DETECTOR LEAD-IN CABLE (DLC) SHALL BE CONNECTED IN SERIES FOR TRAFFIC SIGNAL SYSTEM ONLY AND NOT FOR RAMP METERING SYSTEM.
5. COLOR CODING OF TRAFFIC SIGNAL CONDUCTOR FOR OVERLAP PHASES, SEE DETAIL F ON SHEET E-4.
6. AT LEAST THREE WORKING DAYS PRIOR TO PERFORMING ANY WORK ON EACH EXISTING SYSTEM, THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF TRANSPORTATION, ELECTRICAL AND SIGNAL MAINTENANCE SUPERINTENDENT, PHONE (415) 330-6500.
7. COUPLING NUTS MUST BE USED ON TYPE 1-B STANDARD.
8. TRAFFIC SIGNAL MUST BE IN OPERATION DURING CONSTRUCTION, EXCEPT OTHERWISE NOTED ON THE PLANS OR SPECIAL PROVISIONS.
9. BOTH CITY AND CALTRANS REPRESENTATIVES SHALL BE PRESENT DURING THE MARKING OF LOCATION OF POLES, CABINETS, DETECTOR LOOPS AND ETC.
10. R3-1 ACTIVATED BLANK-OUT LED SIGN SHALL BE MANUFACTURED BY MCCAIN, SIGN TECHNOLOGIES, TAPCO TRAFFIC AND PARKING CONTROL COMPANY OR APPROVED EQUAL.
11. ONE SPARE VIDEO DETECTION CAMERA MUST BE DELIVERED TO CALTRANS.
12. ONE SPARE R3-1 ACTIVATED BLANK-OUT LED SIGN MUST BE DELIVERED TO THE CITY CORPORATION YARD.

ABBREVIATIONS

- ADA AMERICANS WITH DISABILITIES ACT
- AT&T AMERICAN TELEPHONE AND TELEGRAPH
- CCU CAMERA CONTROL UNIT
- PG&E PACIFIC GAS AND ELECTRIC
- TOU TIME-OF-USE METER

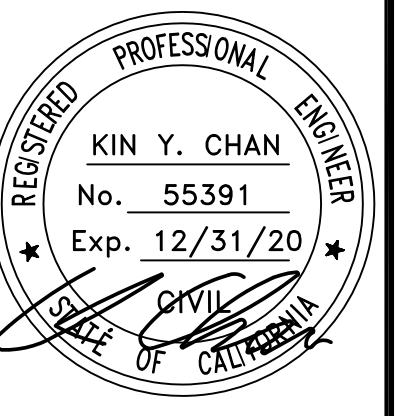
LEGEND

- 1 FURNISH AND INSTALL TYPE III-AF SERVICE EQUIPMENT ENCLOSURE.
- 2 **RS** MODEL 170E CONTROLLER UNIT. INSTALL DEPARTMENT-FURNISHED MODEL 2070 CONTROLLER UNIT IN EXISTING MODEL 332 CABINET. INSTALL DEPARTMENT-FURNISHED LOAD SWITCH FOR Ø3 BIKE PHASE, GPS CLOCK AND VIDEO DETECTION CONTROL UNIT.
- 3 INSTALL 3-SECTION BICYCLE SIGNAL HEAD. SEE DETAIL A ON E-3.
- 4 ADJUST EXISTING PULL BOX TO FINAL GRADE.
- 5 **RC** EXISTING PULL BOX. INSTALL A NEW PULL BOX AS INDICATED IN EXISTING CONDUIT RUN.
- 6 EXISTING 2"C, 1 SIC.
- 7 INSTALL VIDEO DETECTION CAMERA ON SMA.
- 8 2"C, 2#10 (120V, R3-1 ACTIVATED BLANK-OUT SIGN).
- 9 **RC** EXISTING NON-ADA PBA.
- 10 INSTALL R3-1 ACTIVATED BLANK-OUT SIGN PER 2014 CA MUTCD REQUIREMENT. SEE GENERAL NOTE 10 ON THIS SHEET.
- 11 EXISTING 2"C, 2 DLC. REMOVE 2 DLC. ADD 2 DLC.
- 12 EXISTING 2"C, 4 DLC. REMOVE 4 DLC. ADD 4 DLC.
- 13 EXISTING 3"C, 8 DLC. REMOVE 8 DLC. ADD 4 DLC.
- 14 EXISTING 2"C, 3#2 (120/240V, SERVICE).
- 15 INSTALL GPS CLOCK IN EXISTING CONTROLLER ASSEMBLY ON THE NORTHWEST CORNER OF BRIDGEWAY AND GATE 5 RD INTERSECTION.
- 16 EXISTING 3"C, 6 DLC. REMOVE 6 DLC. ADD 2 DLC.
- 17 2"C, 3#2 (120/240V, SERVICE).
- 18 MAINTAIN 4' MINIMUM CLEAR PATH BETWEEN PBA POST AND EDGE OF SIDEWALK.
- 19 **RC** 3-SECTION VEHICLE SIGNAL HEAD (8"). INSTALL 3-SECTION VEHICLE SIGNAL HEAD (12").
- 20 2"C, 2#6 (120V, CONTROLLER), 2#8 (240V, LIGHTING), 3#14 (120V, PEU).
- 21 EXISTING TYPE 1-B STANDARD WITH FLASHING BEACON. ADJUST POLE BASE PLATE TO FINISH GRADE BY INSTALLING THREADED ANCHOR BOLT PIECES.
- 22 ADJUST EXISTING PULL BOX TO FINISH GRADE AS REQUIRED.
- 23 PROTECT EXISTING LOOP DETECTORS AND CONDUIT DURING CONSTRUCTION. IF DAMAGED, CONTRACTOR SHALL INSTALL NEW LOOP DETECTORS SAME AS EXISTING CONDITION.
- 24 EXISTING 1½"C, 2#10 (120 V FB), 2 DLC.
- 25 TO EXISTING RAMP METERING SYSTEM.

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**GATE 6 INTERSECTION
MODIFICATIONS**

ELECTRICAL INDEX, NOTES,
ABBREVIATIONS AND LEGEND

DATE: 12/24/19

SCALE: NO SCALE

DRAWN BY: JW

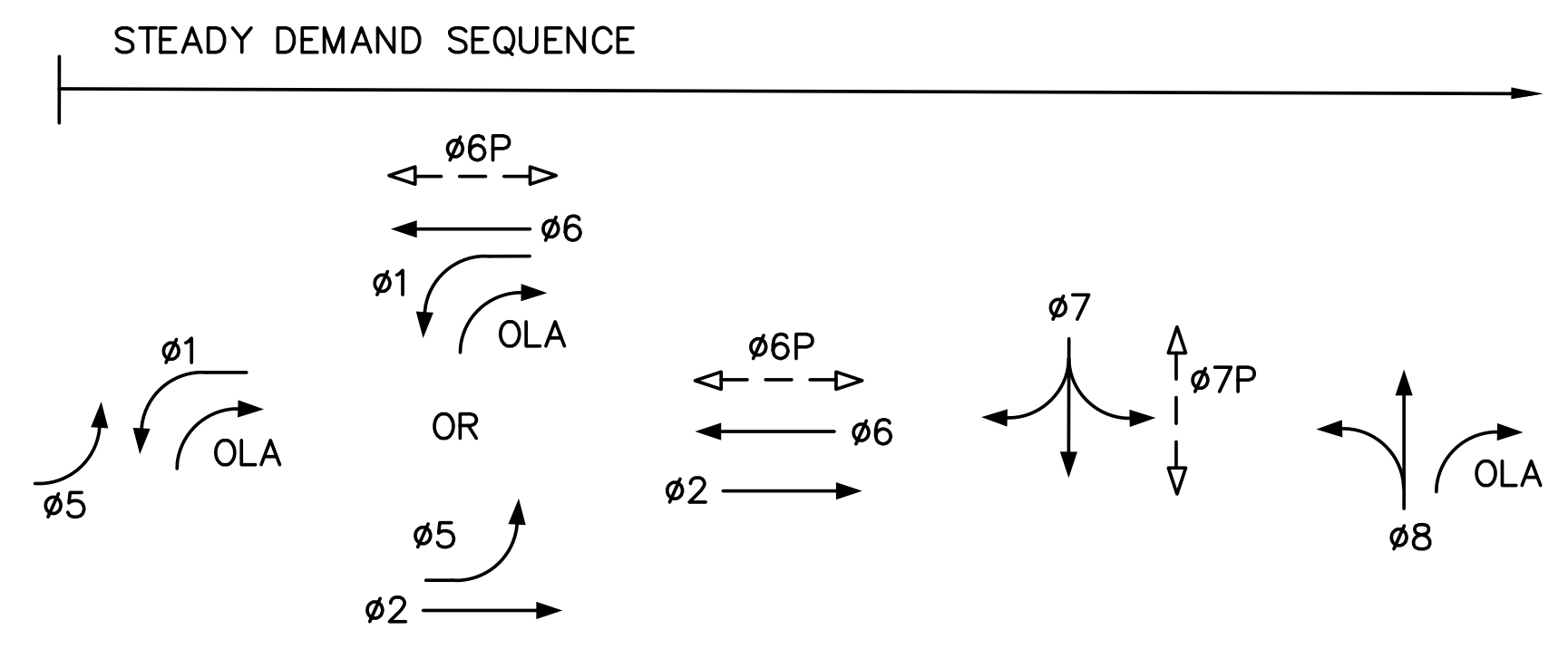
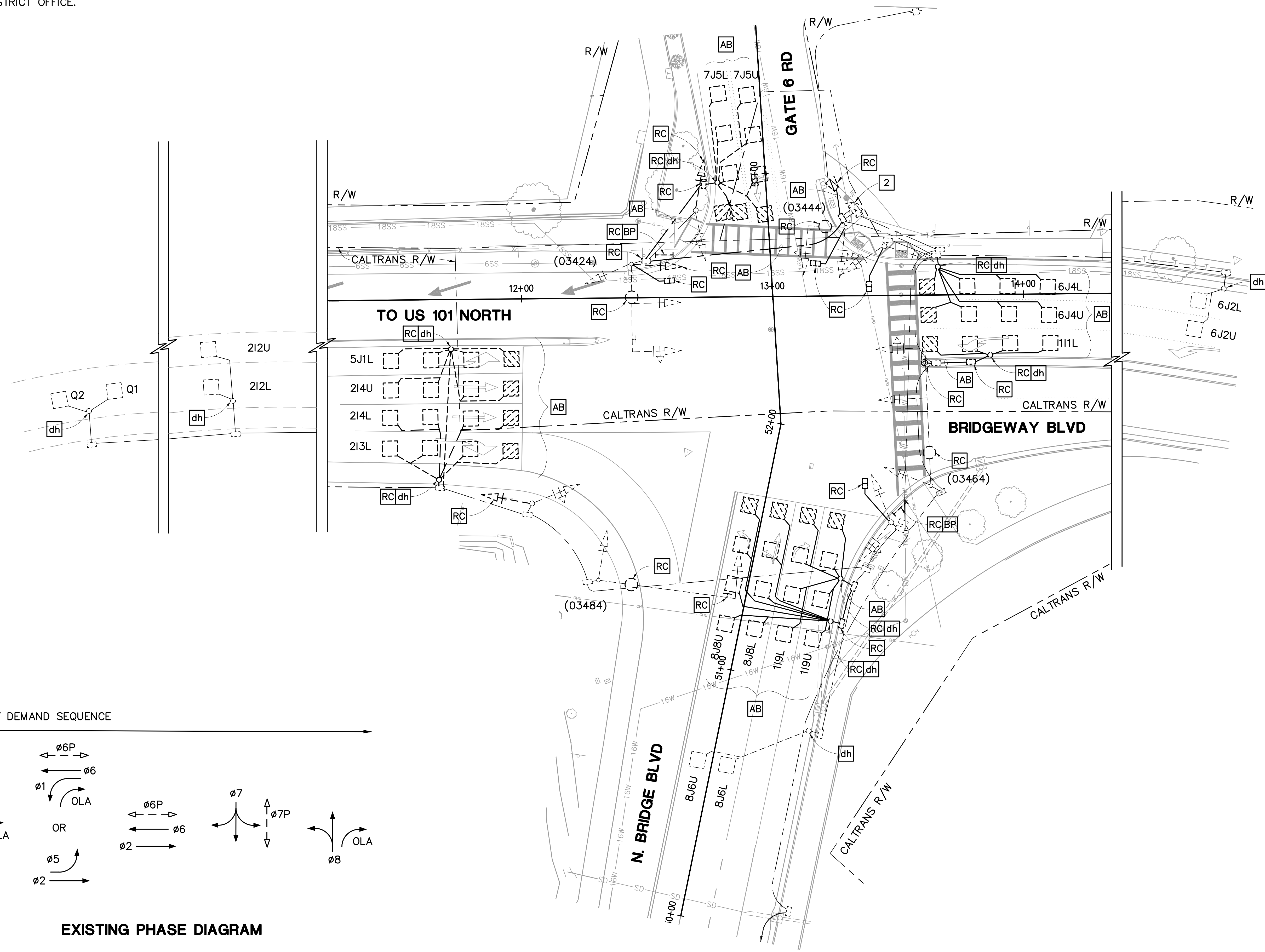
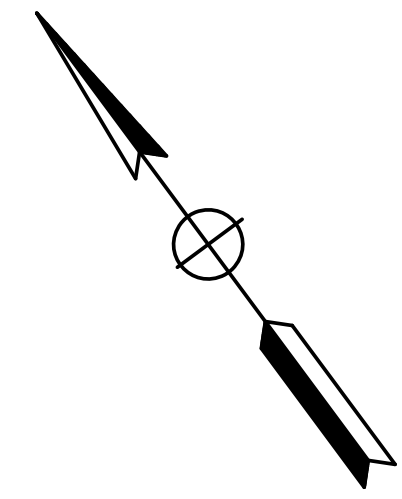
PROJECT NO:

SHEET

E-1

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

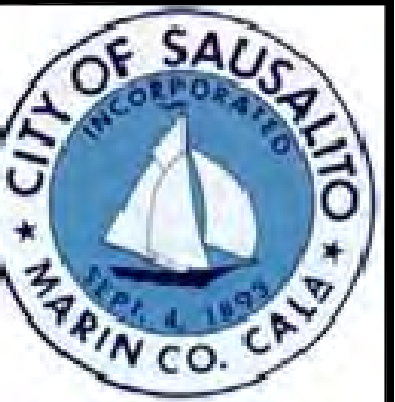


EXISTING PHASE DIAGRAM

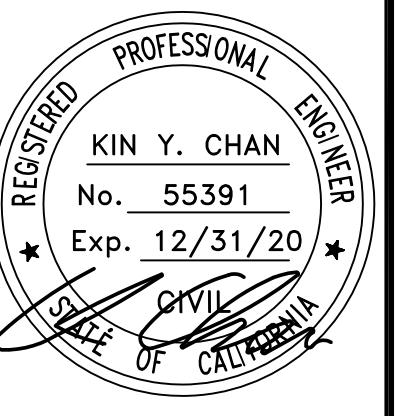
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET E-1

APPROVED FOR ELECTRICAL WORK ONLY

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GATE 6 INTERSECTION MODIFICATIONS
MODIFYING SIGNAL AND LIGHTING SYSTEMS

DATE: 12/24/19

SCALE: 1"=20'

DRAWN BY: JW

PROJECT NO:

SHEET

E-2

22 OF 26 SHEETS

NOTE:

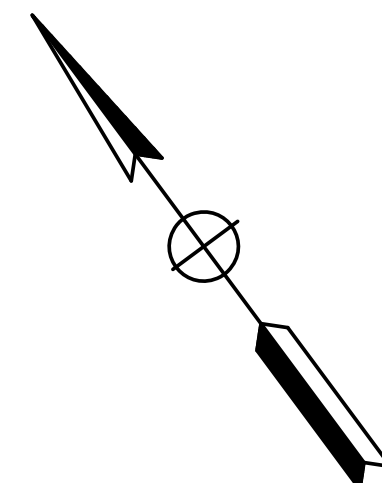
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CTID No. 04271010003412 (TOU METER)

LOAD: ±1000 W TRAFFIC SIGNAL (METERED)
2-165 W LED LUMINAIRES (METERED)
2-235 W LED LUMINAIRES (METERED)

TYPE III-AF SERVICE EQUIPMENT ENCLOSURE No. 03412

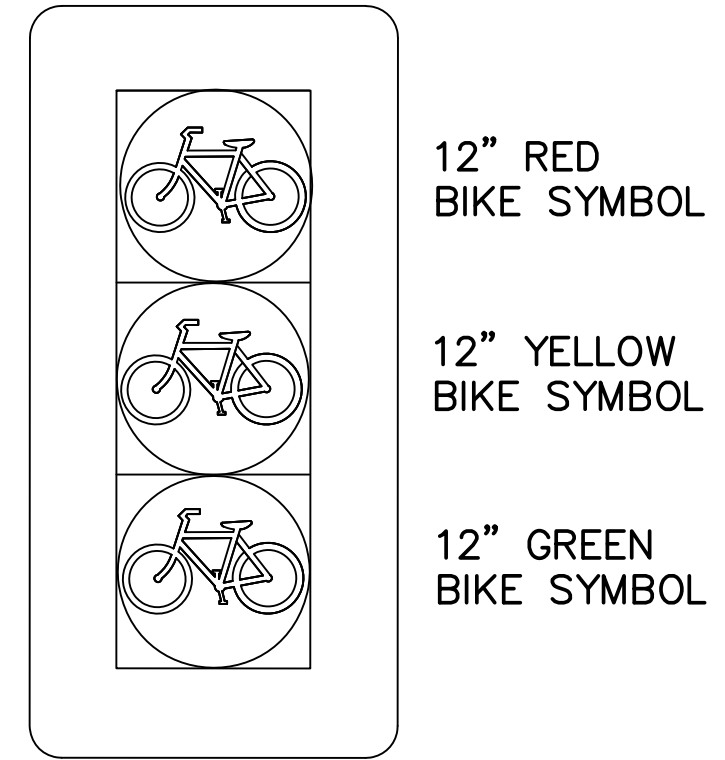
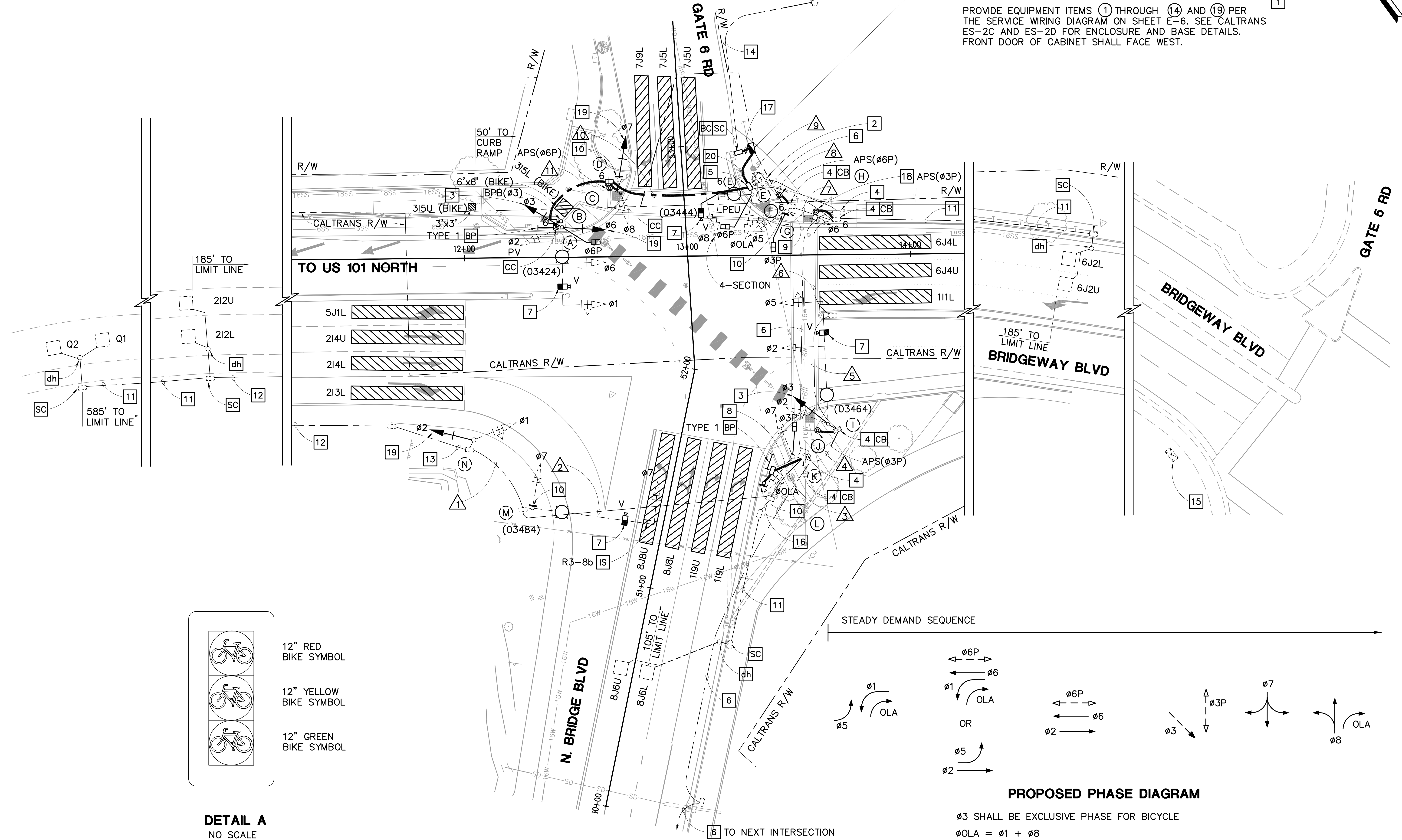
PROVIDE EQUIPMENT ITEMS ① THROUGH ⑭ AND ⑰ PER THE SERVICE WIRING DIAGRAM ON SHEET E-6. SEE CALTRANS ES-2C AND ES-2D FOR ENCLOSURE AND BASE DETAILS. FRONT DOOR OF CABINET SHALL FACE WEST.



REVISIONS	

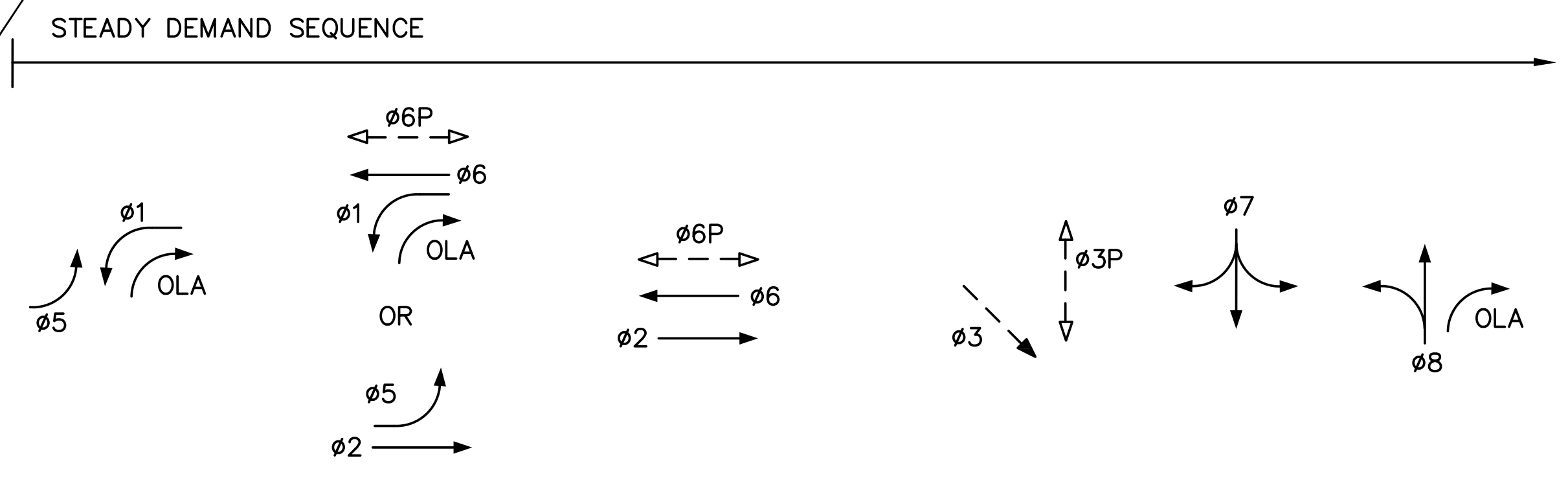


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DETAIL A
NO SCALE

NOTE: SEE SIGNAL FACES DETAIL ON ES-4C.



PROPOSED PHASE DIAGRAM

$\phi 3$ SHALL BE EXCLUSIVE PHASE FOR BICYCLE
 $\phi OLA = \phi 1 + \phi 8$

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET E-1

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GATE 6 INTERSECTION MODIFICATIONS
MODIFYING SIGNAL AND LIGHTING SYSTEMS

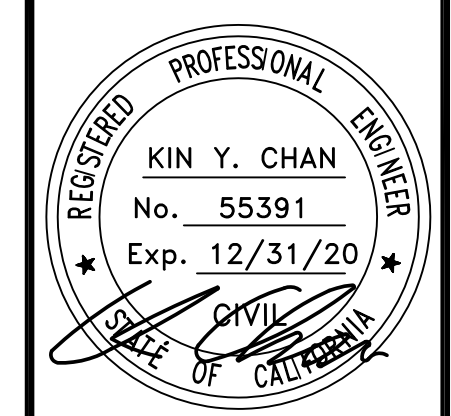
DATE: 12/24/19
SCALE: 1"=20'
DRAWN BY: VRB
PROJECT NO:
SHEET

E-3

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GATE 6 INTERSECTION MODIFICATIONS
MODIFYING SIGNAL AND LIGHTING SYSTEMS

DATE: 12/24/19
SCALE: 1"=20'
DRAWN BY: JW
PROJECT NO:
SHEET

CONDUIT AND CONDUCTOR SCHEDULE

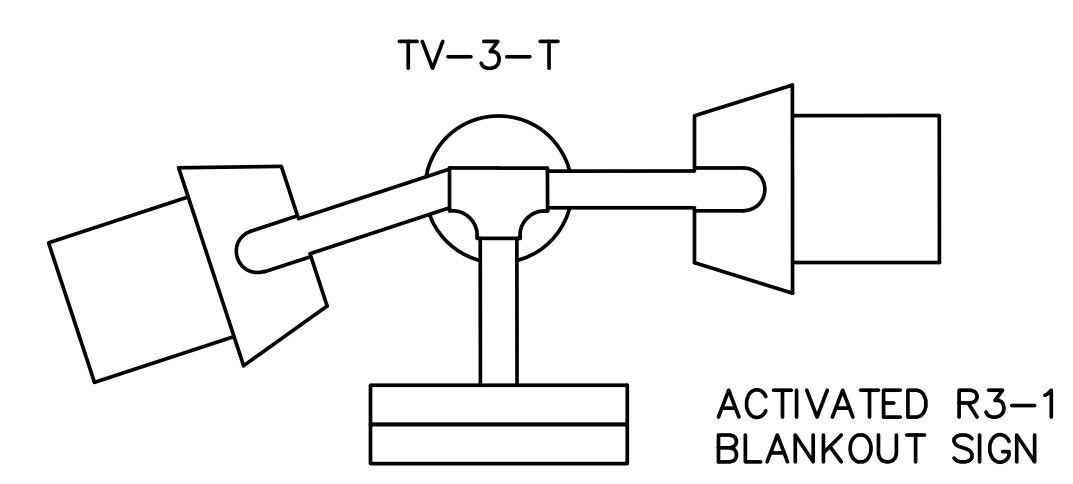
CONDUCTOR SCHEDULE	CONDUIT RUN NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
No. 14 CONDUCTORS											
ø1	3	3	3	3	3	3		3	6	3	3
ø2	3	3	3	3	3	3		3	6	3	3
ø3					3	3		3	6	3	3
ø5					3	3	3	6	6		
ø6							3	6	6	3	3
ø7		3	3	3	3	3		3	6	3	
ø8				3	3	3		3	6	3	
øOLA				2	2	2		2	2		
ø3P				2	2	2	2	4	4		
ø6P										4	2
APS (ø3P)					2	2		4	4		
APS (ø6P)							2	4	4	2	
BPB (ø3)									2	2	2
SPARE	3	3	3	3	3	3	3	6	6	3	3
TOTAL No. 14	9	12	12	19	27	27	13	47	68	27	19
No. 10 CONDUCTORS											
ACTIVATED BLANK-OUT SIGN		2	2	4	4	4	2	4	4	2	
No. 8 CONDUCTORS											
LIGHTING (240V)		2	2	2	2	2		2		2	2
SIGNAL NEUTRAL	1	1	1	1	1	1	1	1	1	1	1
TOTAL No. 8	1	3	3	3	3	3	1	3	1	3	3
No. 6 CONDUCTORS											
CONTROLLER (120V)										2	
APS CABLE				1			1	1			1
VIDEO DETECTION CABLE		1	1	1	2	2		2	4	1	1
LOOP DETECTOR LEAD-IN CABLE (DLC)											
Q1/Q2	2	2	2	2	2	2		2	2		
2I2U/2I2L	2	2	2	2	2	2		2	2		
6J2U/6J2L										2	2
8J6U/8J6L			2	2	2	2		2	2		
TOTAL LOOP DETECTOR LEAD-IN CABLE	4	4	6	6	6	6		8	10	2	2
EXISTING (E) / NEW (N)	E	E	E	E	E	E	E	E	E	N	N
CONDUIT SIZE (INCHES)	2	2 1/2	3	3	3	3	3	3	2-4"	3	3
% FILL	16	23	17	21	27	27	6	35	15	17	15

ALL CONDUCTORS/CABLES AS SHOWN ARE NEW.
"–" REMOVE ALL EXISTING CONDUCTORS/CABLES. INSTALL NEW.

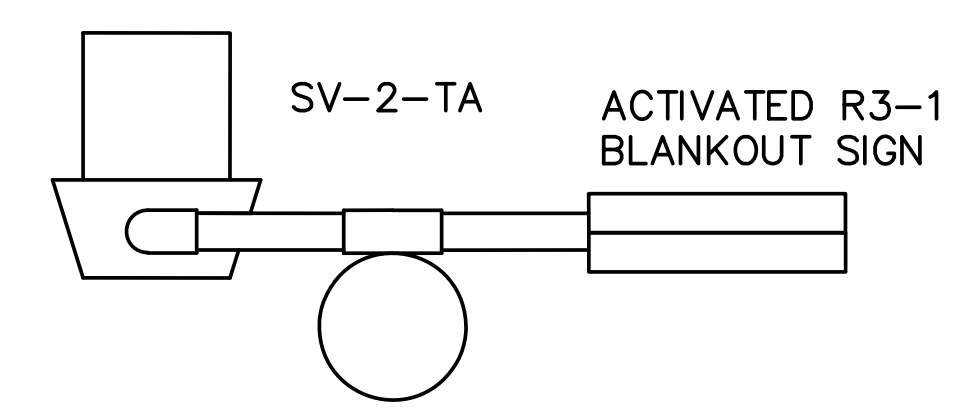
POLE AND EQUIPMENT SCHEDULE

No.	STANDARD		VEH SIG MTG		PED * SIGNAL MTG	APS **		BPB (NEW)		LED *** LUMINAIRE	SPECIAL REQUIREMENTS
	TYPE	SMA (FEET)	LMA (FEET)	MAST ARM		POLE	ø	ARROW	ø		
(A)	EXISTING 24-3-70	35	15	MAS MAS	NEW SV-2-TA SV-1-T	SP-1-T				165W	SEE PROJECT NOTES 3, 7 AND 19 ON SHEET E-1.
(B)	PBA POST							3	←		
(C)	PBA POST						6P	→			
(D)	EXISTING 1-B				NEW TV-3-T						SEE PROJECT NOTES 10 AND 19 ON SHEET E-1. SEE DETAIL C ON THIS SHEET.
(E)	EXISTING 19-3-70	15	12	MAS-4B	SV-1-T	SP-1-T				235W	SEE PROJECT NOTE 7 ON SHEET E-1.
(F)	PBA POST						6P	←			
(G)	EXISTING 1-B				NEW TV-3-T	SP-1-T					SEE PROJECT NOTES 9 AND 10 ON SHEET E-1. SEE DETAIL B ON THIS SHEET.
(H)	PBA POST						3P	→			
(I)	EXISTING 29-5-70	55	15	MAS MAS	NEW SV-2-TB					165W	SEE PROJECT NOTES 3 AND 7 ON SHEET E-1.
(J)	PBA POST						3P	←			
(K)	EXISTING 1-B				TV-2-T	SP-1-T					
(L)	1-B				TV-1-T						SEE PROJECT NOTE 10 ON SHEET E-1. SEE DETAIL E ON THIS SHEET.
(M)	EXISTING 29-5-70	55	15	MAS	NEW SV-2-TA					235W	RC EXISTING R61-7 (CA) SIGN. IS R3-8b SIGN. SEE PROJECT NOTES 7 AND 10 ON SHEET E-1. SEE DETAIL D ON THIS SHEET.
(N)	EXISTING 1-B				NEW TV-2-T						SEE PROJECT NOTE 19 ON SHEET E-1.

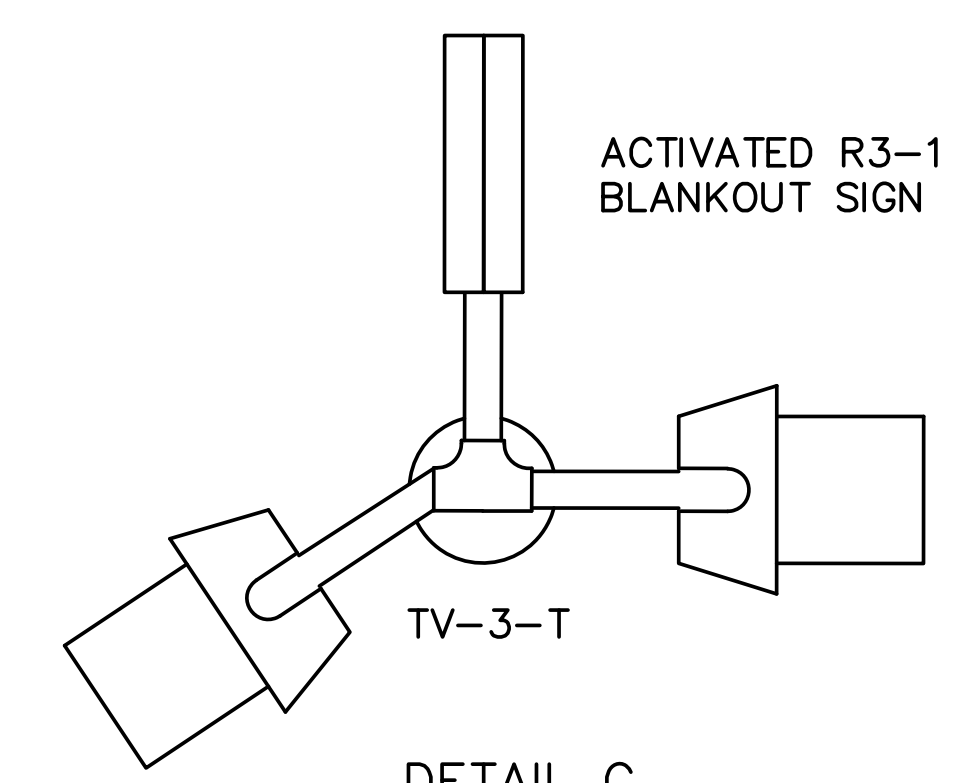
- * RC EXISTING PEDESTRIAN SIGNAL HEAD. INSTALL NEW LED COUNT-DOWN PEDESTRIAN SIGNAL HEAD.
- ** RC EXISTING PBA. INSTALL NEW APS.
- *** RC EXISTING HPS LUMINAIRE. INSTALL NEW LED LUMINAIRE.



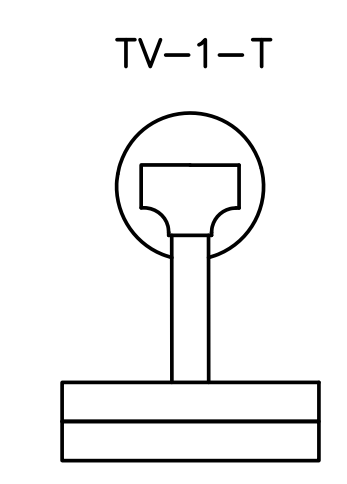
DETAIL B
NO SCALE



DETAIL D
NO SCALE



DETAIL C
NO SCALE



DETAIL E
NO SCALE

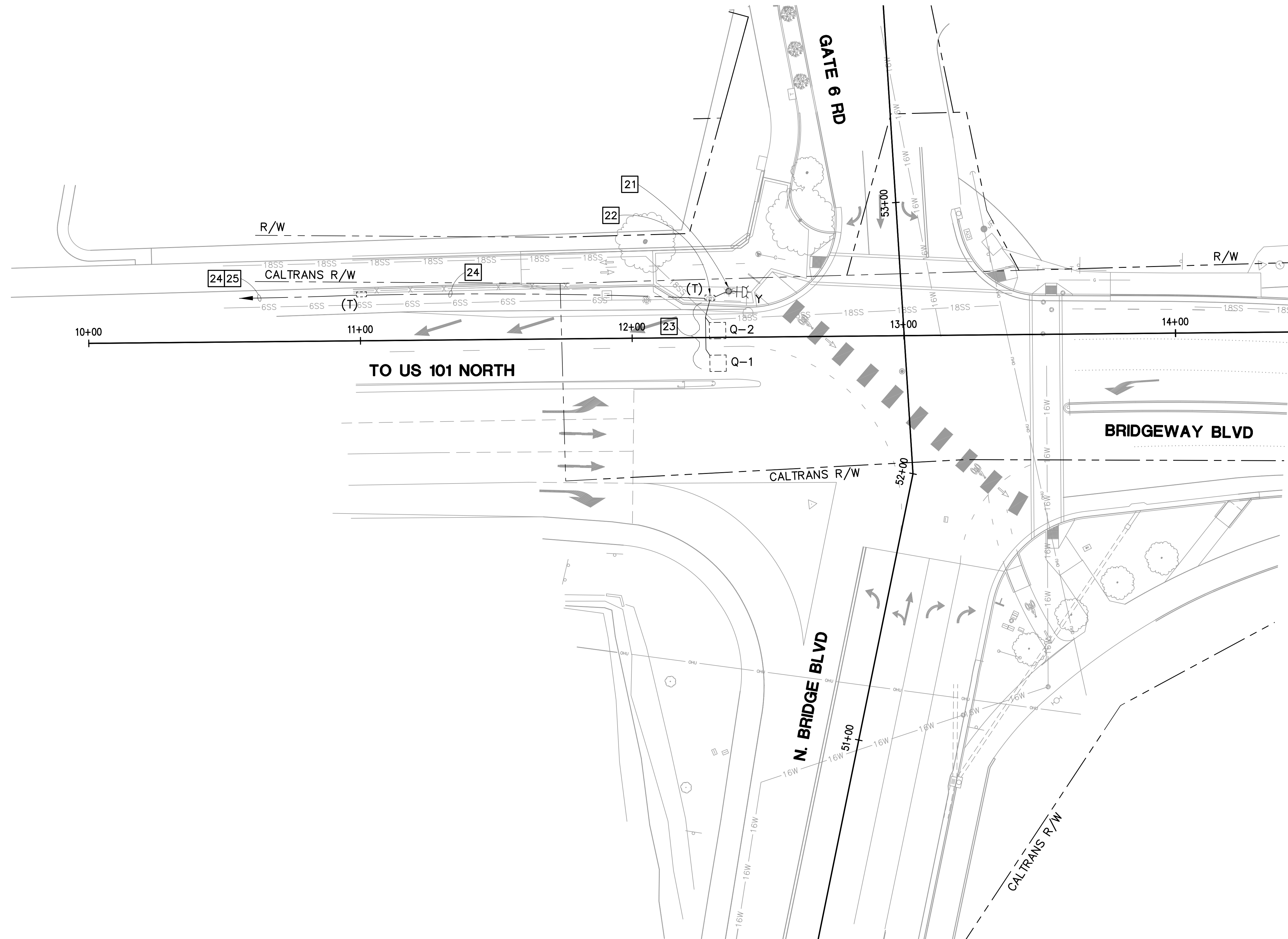
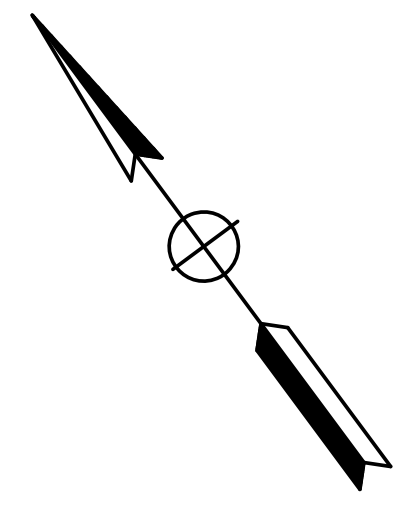
TRAFFIC SIGNAL CONDUCTORS FOR PHASE OVERLAPS SHALL BE DOUBLE STRIPED AS FOLLOWS:

SIGNAL PHASE	BASE COLOR	DOUBLE STRIPE COLOR
OLA	RE, YE, BRN	BLACK/BLUE
OLB	RE, YE, BRN	BLACK/ORANGE
OLC	RE, YE, BRN	BLACK/PURPLE
OLD	RE, YE, BRN	BLACK/GRAY

DETAIL F

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



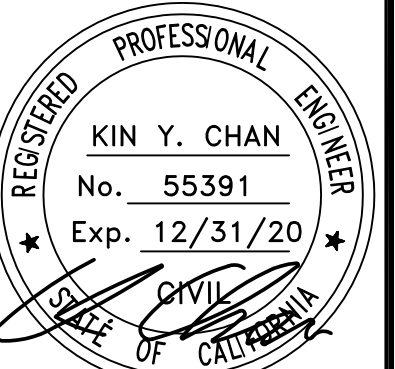
FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET E-1

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**GATE 6 INTERSECTION
MODIFICATIONS**

MODIFYING RAMP METERING SYSTEMS

DATE: 12/24/19

SCALE: 1"=20'

DRAWN BY JW

PROJECT NO:

SHEET

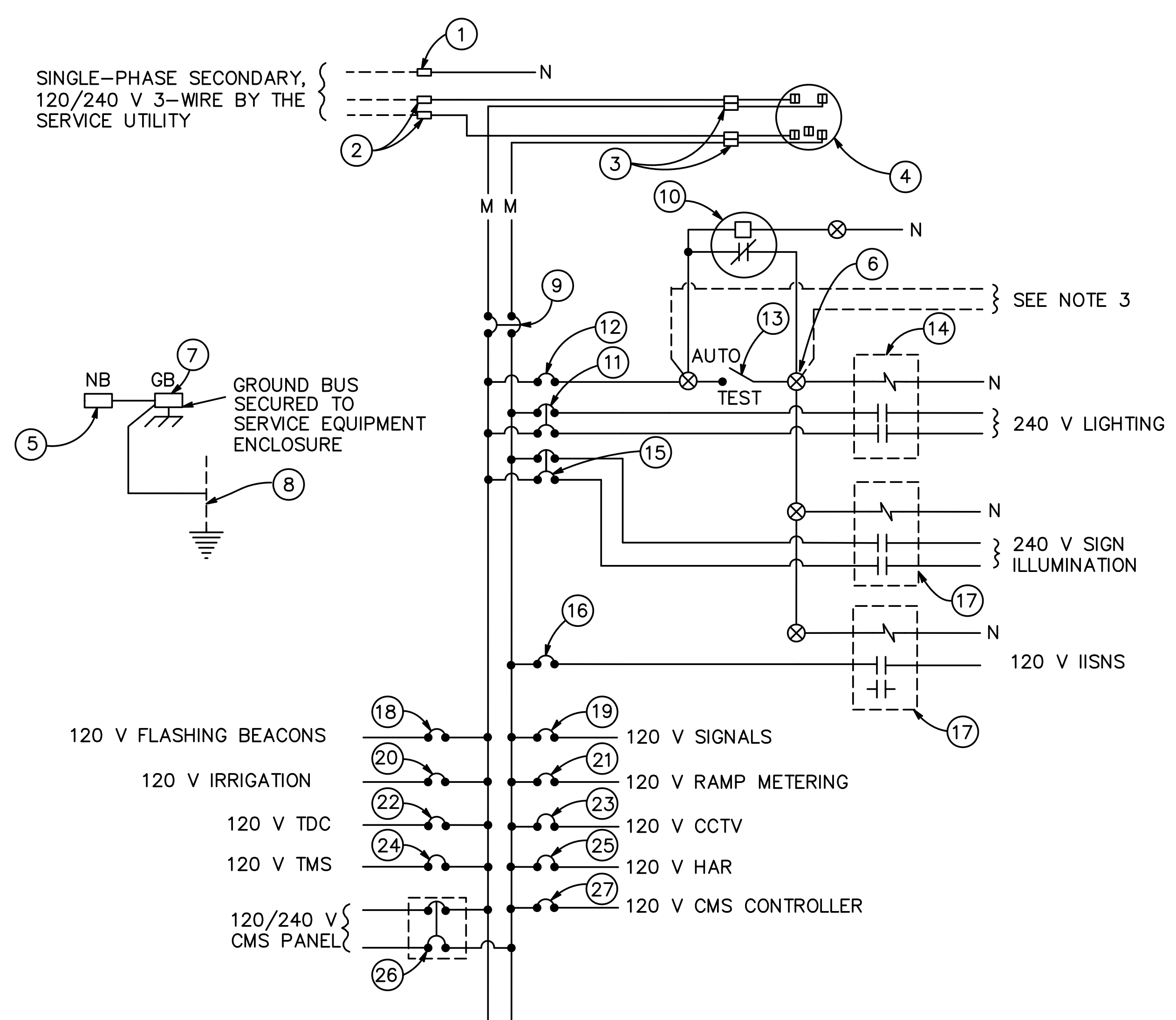
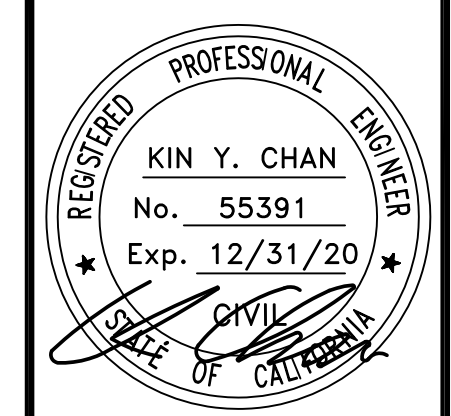
E-5

25 OF 26 SHEETS

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120/240 V SERVICE WIRING DIAGRAM (TYPICAL)

TYPE III-A SERVICE EQUIPMENT ENCLOSURE LEGEND (120/240 V)

ITEM No.	COMPONENT	NAME PLATE DESCRIPTION	ITEM No.	COMPONENT	NAME PLATE DESCRIPTION
①	NEUTRAL LUG		⑮	30 A, 240 V, 2P, CB	SIGN ILLUMINATION
②	LANDING LUG		⑯	15 A, 120 V, 1P, CB	IISNS
③	TEST BYPASS FACILITY		⑰	30 A, 2P, CONTACTOR	
④	METER SOCKET AND SUPPORT		⑱	15 A, 120 V, 1P, CB	FLASHING BEACON
⑤	NEUTRAL BUS		⑲	50 A, 120 V, 1P, CB	SIGNALS
⑥	TERMINAL BLOCKS		⑳	20 A, 120 V, 1P, CB	IRRIGATION
⑦	GROUND BUS		㉑	30 A, 120 V, 1P, CB	RAMP METERING
⑧	GROUNDING ELECTRODE		㉒	15 A, 120 V, 1P, CB	TELEPHONE DEMARCATION CABINET
⑨	100 A, 240 V, 2P, CB	MAIN BREAKER	㉓	30 A, 120 V, 1P, CB	CCTV
⑩	PHOTOELECTRIC UNIT (NOTE 7)		㉔	30 A, 120 V, 1P, CB	TMS
⑪	30 A, 240 V, 2P, CB	LIGHTING	㉕	30 A, 120 V, 1P, CB	HAR
⑫	15 A, 120 V, 1P, CB	LIGHTING CONTROL	㉖	30 A, 120 V, 1P, CB	CMS PANEL
⑬	15 A, 120 V, 1P, TEST SWITCH	TEST SWITCH	㉗	30 A, 240 V, 2P, CB	CMS CONTROLLER
⑭	60 A, 2P, CONTACTOR				

NOTES: (FOR SERVICE EQUIPMENT)

- VOLTAGE RATINGS OF SERVICE EQUIPMENT SHALL CONFORM TO THE SERVICE VOLTAGES INDICATED ON THE PLANS.
- UNLESS OTHERWISE INDICATED ON THE PLANS, SERVICE EQUIPMENT ITEMS SHALL BE PROVIDED FOR EACH SERVICE EQUIPMENT ENCLOSURE AS SHOWN.
- CONNECT TO REMOTE TEST SWITCH MOUNTED ON LIGHTING STANDARDS, SIGN POST OR STRUCTURE WHEN REQUIRED.
- ITEM No. ① AND No. ⑤ SHALL BE ISOLATED FROM THE CABINET.
- METER SOCKETS SHALL MEET SERVICE UTILITY REQUIREMENTS.
- THE LANDING LUG SHALL BE SUITABLE FOR MULTIPLE CONDUCTORS.
- PHOTOELECTRIC CONTROL SHALL BE TYPE II.
- SERVICE UTILITY WILL INSTALL THE TIME-OF-USE METER IF APPLICABLE.
- UNLESS OTHERWISE NOTED, THE MAXIMUM NUMBER OF SINGLE-POLE CIRCUIT BREAKERS SPACES IN THE ENCLOSURE IS FOURTEEN.
- SEE STANDARD PLANS RSP ES-2D FOR OTHER DETAILS.

GATE 6 INTERSECTION MODIFICATIONS
 ELECTRICAL SYSTEMS DETAILS

DATE: 12/24/19
 SCALE: NO SCALE
 DRAWN BY: JW
 PROJECT NO:
 SHEET