

CITY OF SAUSALITO, CALIFORNIA

GATE 6 ROAD / BRIDGE ROAD / BRIDGEWAY AND NB US 101 ON-RAMP INTERSECTION IMPROVEMENTS

PROJECT NO: CML5098(012)

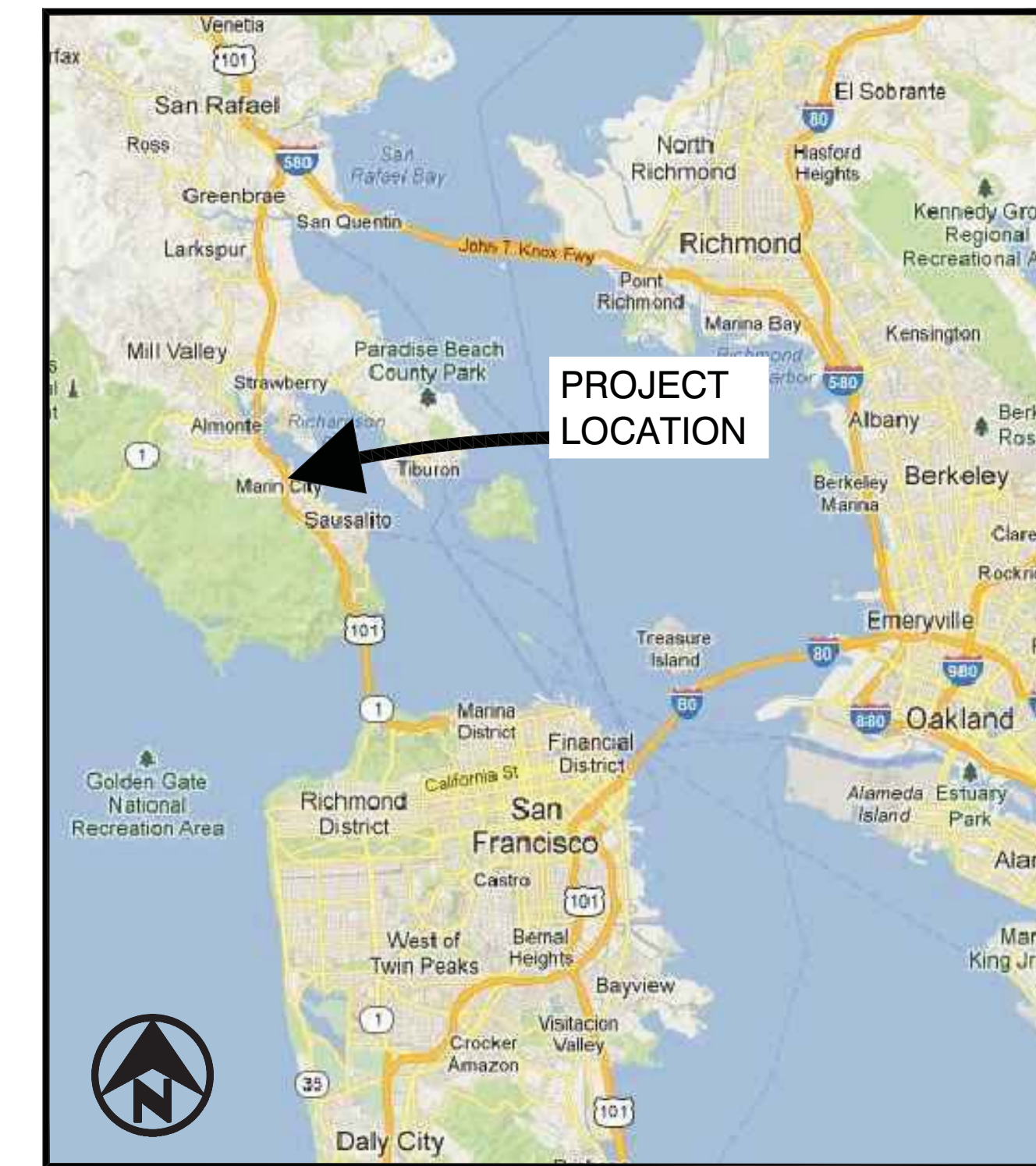
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LOCATION MAP

NOT TO SCALE



VICINITY MAP

NOT TO SCALE

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APPROVED
JONATHAN GOLDMAN
CITY ENGINEER

DATE

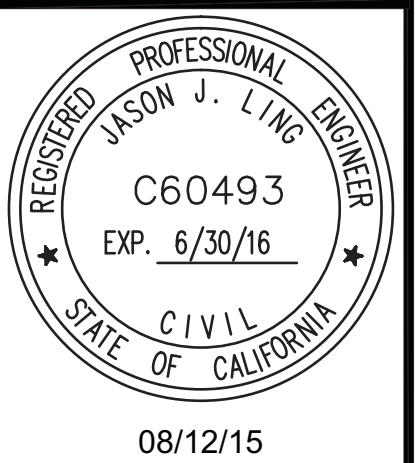


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08/12/15

GATE 6 INTERSECTION IMPROVEMENTS
TITLE SHEET
LOCATION AND VICINITY MAP

DATE: 05/24/2016
SCALE: AS SHOWN
DRAWN BY: MLK
PROJECT NO: CML5098(012)
SHEET

G-1.0

1 OF 23 SHEETS

GENERAL NOTES

1. NO WORK SHALL START UNTIL ALL NECESSARY PERMITS ARE OBTAINED FROM THE CITY OF SAUSALITO.
2. PROPOSED IMPROVEMENTS IN CITY 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.
3. ALL GENERAL CONTRACTORS AND SUBCONTRACTORS MUST HAVE A CITY OF SAUSALITO BUSINESS LICENSE.
4. ENCROACHMENT PERMITS AND GRADING PERMITS REQUIRED FOR WORK WITHIN EXISTING PUBLIC RIGHTS OF WAY INCLUDING CALTRANS, COUNTY OF MARIN, AND CITY OF SAUSALITO SHALL BE OBTAINED BY THE CONTRACTOR.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A PERMIT COPY OF CONSTRUCTION PLANS 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 OR AS OTHERWISE APPROVED BY THE CITY ENGINEER.
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 IN THE CITY OF SAUSALITO OR MAKE ANY CONNECTIONS TO THE EXISTING DOMESTIC WATER DISTRIBUTION SYSTEM WITHOUT WRITTEN CONSENT OF THE CITY ENGINEER. 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, 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 ONE WEEK IN ADVANCE OF THESE CONSTRUCTION ACTIVITIES FOR CITY STAFF'S REVIEW AND APPROVAL.
25. CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE, 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 GRADING AND NOISE THEREFROM, 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.
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. THE CITY REPRESENTATIVES SHALL BE PRESENT DURING THE MARKING OF LOCATION OF POLES, CABINETS, ETC. DOCUMENT APPROVAL OF ALL SUCH LOCATIONS.
38. THE PROJECT SHALL CONFORM TO ALL REQUIREMENTS OF CALTRANS ENCROACHMENT PERMIT # 0414-NSN1454 LOCATED AT 04-MRN-101-PM 3.38.

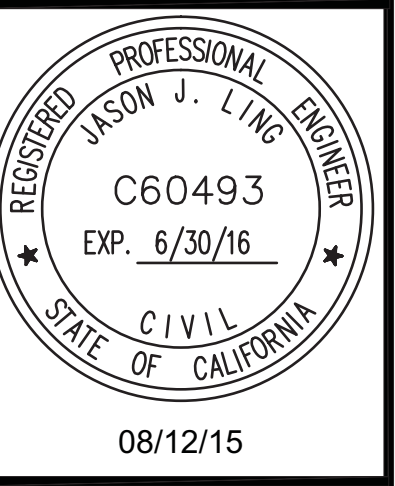
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08/12/15

**GATE 6 INTERSECTION
IMPROVEMENTS**

GENERAL NOTES

DATE: 05/24/2016

SCALE: AS SHOWN

DRAWN BY: MLK

PROJECT NO: CML5098(012)

SHEET

G-1.1

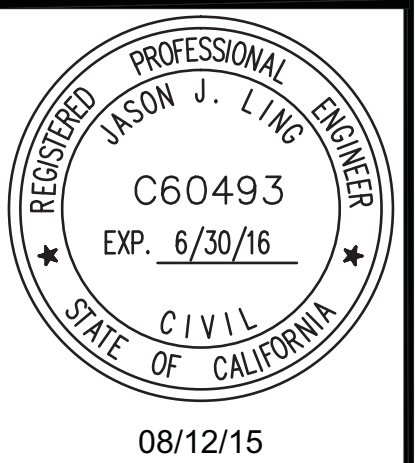
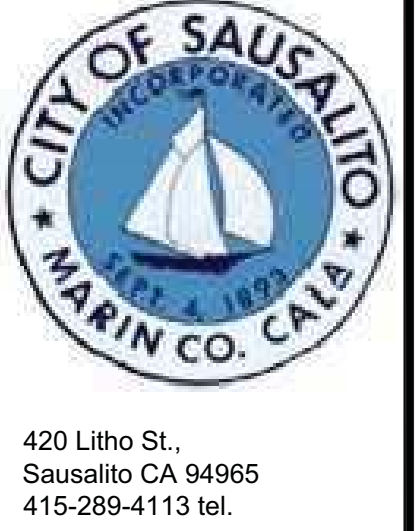
2 OF 23 SHEETS

SYMBOLS & LEGEND

SYMBOL		LEGEND	SYMBOL		LEGEND	SYMBOL		LEGEND	ABBREVIATION:
EXISTING	PROPOSED		EXISTING	PROPOSED		EXISTING	PROPOSED		
x 157.7	x 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				MH MANHOLE
		SLOPE WITH FLOW DIRECTION	MFN	MFN	UNDERGROUND MFN				(N) NEW
		ASPHALT CONCRETE PAVEMENT	MFS	MFS	UNDERGROUND MFS				NIC NOT IN CONTRACT
		CONCRETE SIDEWALK	MSN	MSN	UNDERGROUND MSN				OFF OFFSET
		TRUNCATED DOMES	NXLK	NXLK	UNDERGROUND NEXTLINK				OG ORIGINAL GRADE
		GRANITE CURB & CONC GUTTER/ CONCRETE CURB AND GUTTER	PCB	PCB	UNDERGROUND PACBELL				PPB PEDESTRIAN PUSH BUTTON
		CHAIN LINK FENCE	SPR	SPR	UNDERGROUND SPRINT				PCC PORTLAND CEMENT CONCRETE
		STRUCTURE, BUILDING OR FACILITY	TCG	TCG	UNDERGROUND TCG				RW RETAINING WALL
		CONTOUR LINE							R/W RIGHT OF WAY
		EMBANKMENT AND SLOPE							S SLOPE
		DRAINAGEWAY OR DITCH							SED SEE ELECTRICAL DRAWINGS
		GUY ANCHOR							STA STATION
		LIGHT POLE/UTILITY POLE (SEE POLE SCHEDULE)							SD STORM DRAIN
		UTILITY POLE/LIGHT POLE (SEE POLE SCHEDULE)							SDI STORM DRAIN INLET
		COMBINATION POLE							SS SANITARY SEWER
		DECIDUOUS TREE							SSCO SANITARY SEWER CLEANOUT
		TREE LOCATION							S/W SIDEWALK
									TC TOP OF CURB
									TW TOP OF WALL
									UON UNLESS OTHERWISE NOTED
									WV WATER VALVE
									W WATER

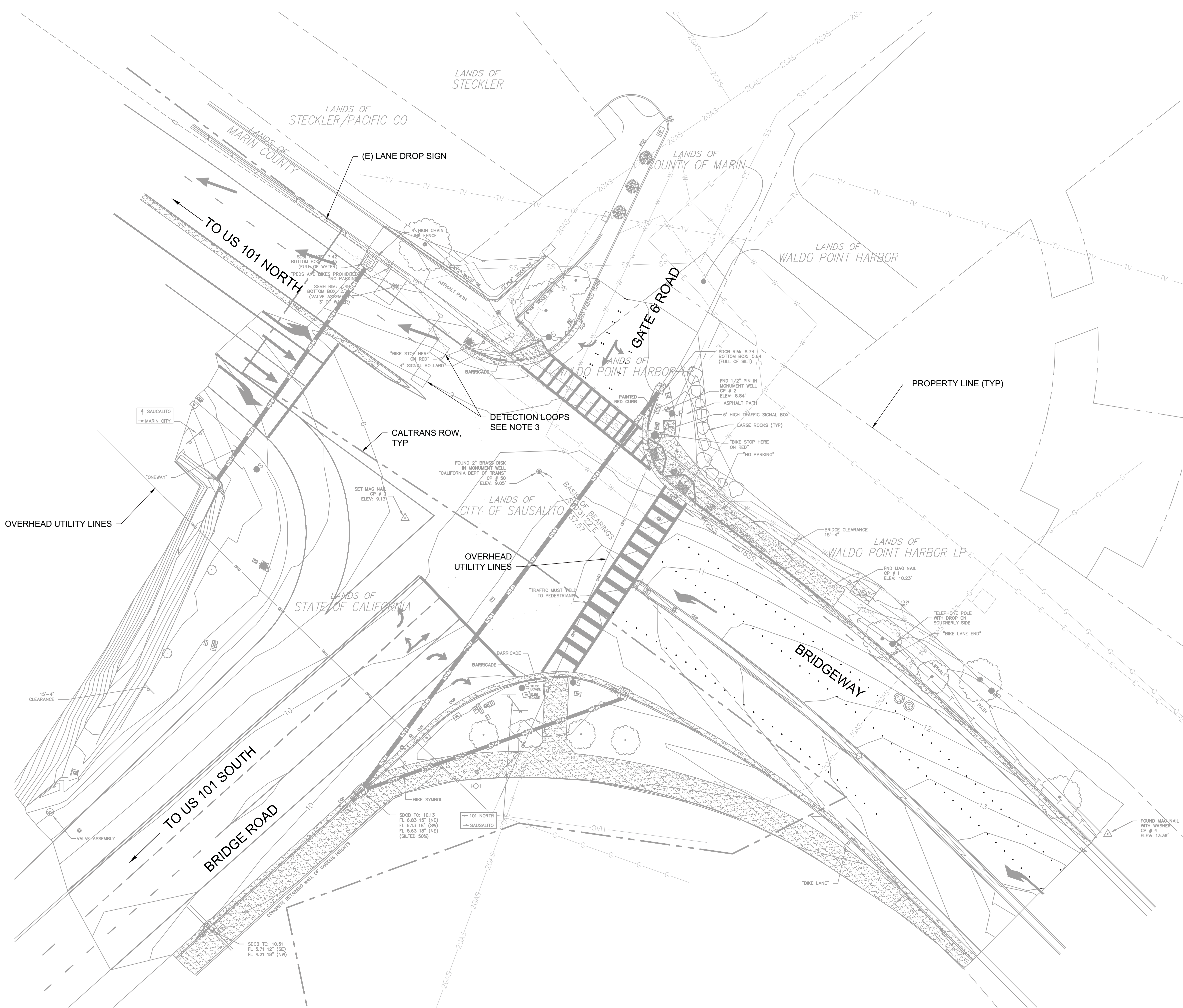
- NOTES:**
- SYMBOLS ON THIS SHEET APPLY ONLY TO THE CIVIL DRAWINGS. REFER TO OTHER DISCIPLINES FOR APPLICABLE SYMBOLS NOT PROVIDED HERE.
 - THIS IS A STANDARD SYMBOL SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET AND MAY NOT BE UTILIZED ON THIS PROJECT.

REVISIONS



GATE 6 INTERSECTION IMPROVEMENTS SYMBOLS AND LEGEND

DATE:	05/24/2016
SCALE:	AS SHOWN
DRAWN BY:	MLK
PROJECT NO:	CML5098(012)
SHEET	



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.
 - DETECTION LOOPS FOR RAMP METERING ARE PLANNED TO BE INSTALLED BY CALTRANS PRIOR TO CONSTRUCTION OF THIS PROJECT. SHOWN FOR REFERENCE ONLY. VIF.

REVISIONS

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 REGISTERED PROFESSIONAL ENGINEER
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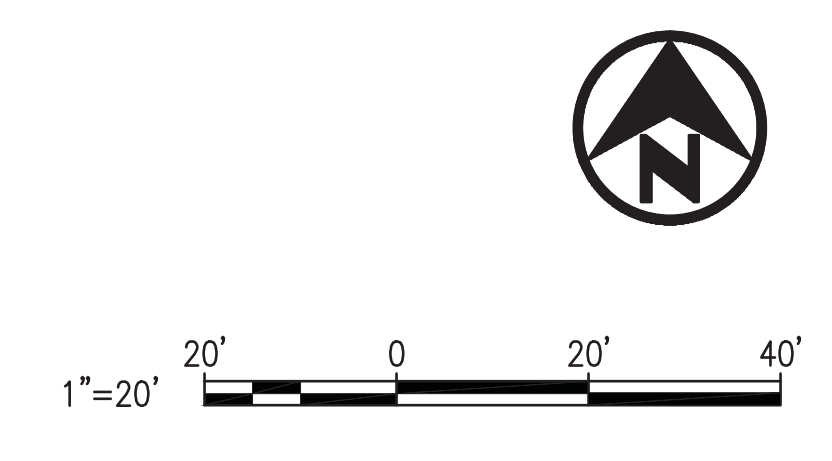
REGISTERED PROFESSIONAL ENGINEER
 JASON J. LING
 C60493
 EXP. 6/30/16
 CIVIL
 STATE OF CALIFORNIA

08/12/15

GATE 6 INTERSECTION IMPROVEMENTS
 EXISTING CONDITIONS



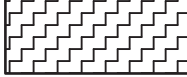



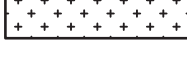

DATE: 05/24/2016
 SCALE: AS SHOWN
 DRAWN BY:
 PROJECT NO: CML5098(012)
 SHEET

A EXISTING CONDITIONS PLAN
C-1.3 SCALE: 1" = 20'



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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
-  SAWCUT LINE

KEYNOTES

- 1 PROTECT (E) UTILITY BOX
- 2 ADJUST (E) UTILITY VALVE COVER TO FINISH GRADE
- 3 REMOVE (E) BOLLARDS
- 4 REMOVE (E) LARGE ROCKS
- 5 REMOVE (E) DI
- 6 REMOVE (E) SIGN
- 7 RELOCATE BARRICADE AND SIGN, SEE SHEET C-3.2
- 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 ADJUST CALTRANS METERING BOX TO FINISH GRADE
- 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 PROTECT (E) WOOD TIE

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.
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 SWEEPED CLEAN AS NECESSARY.
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 MODIFY EXISTING IRRIGATION SYSTEM TO ACCOMMODATE NEW WORK.
17. FOR PAVEMENT MARKING DEMOLITION SEE SHEET C-3.1.
18. CLEAN DEBRIS FROM EXISTING DRAIN INLETS AND PIPELINE DOWNSTREAM TO NEXT STRUCTURE.
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.

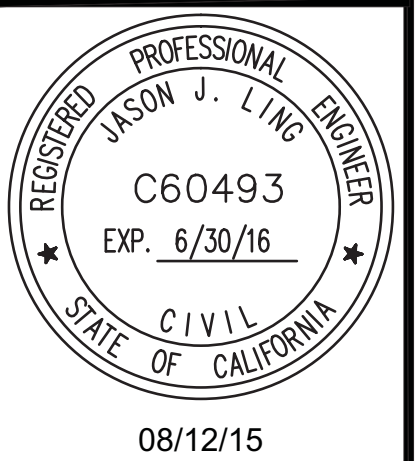
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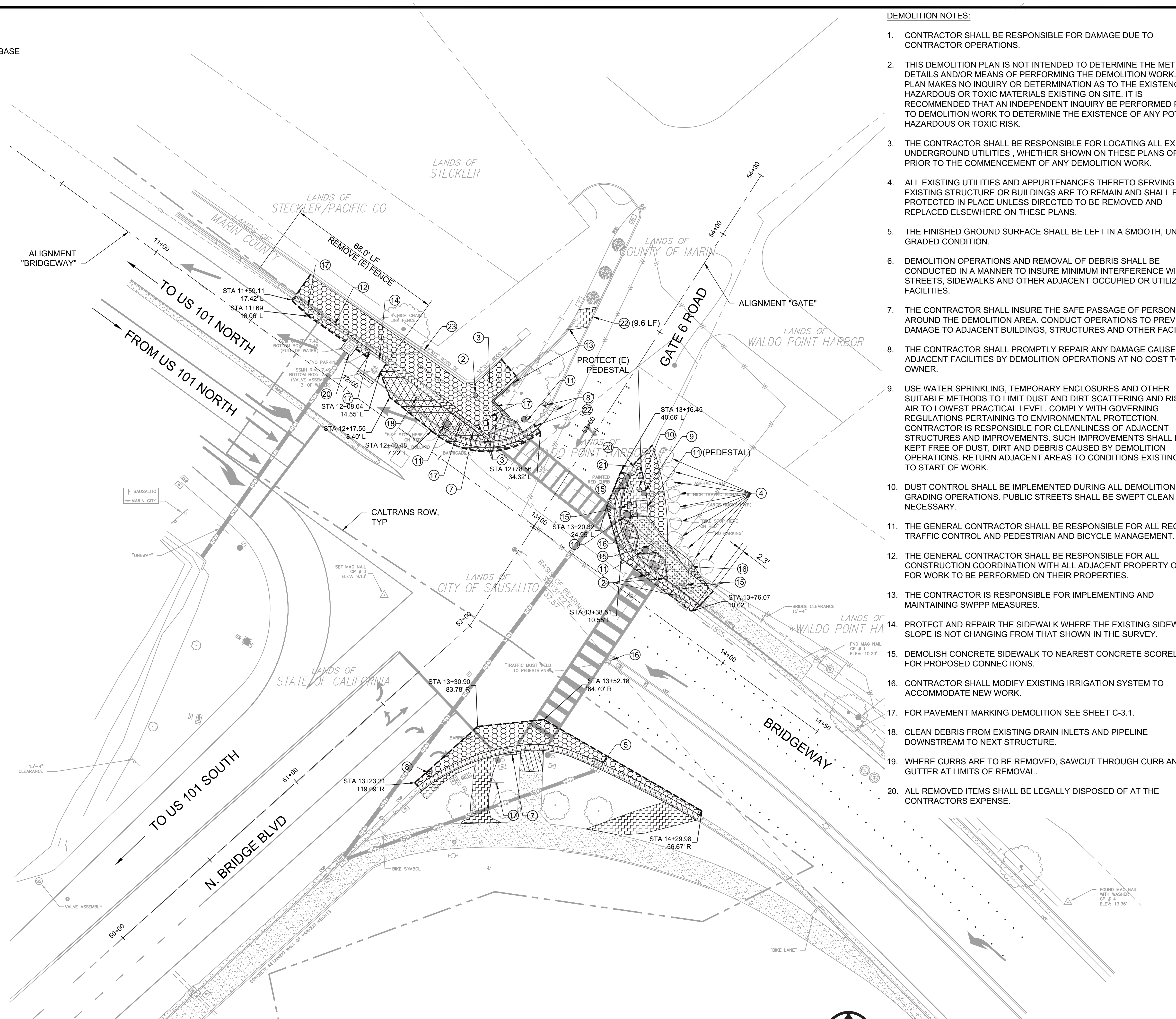


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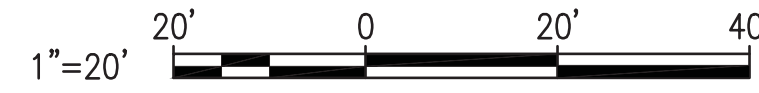
GATE 6 INTERSECTION IMPROVEMENTS DEMOLITION PLAN

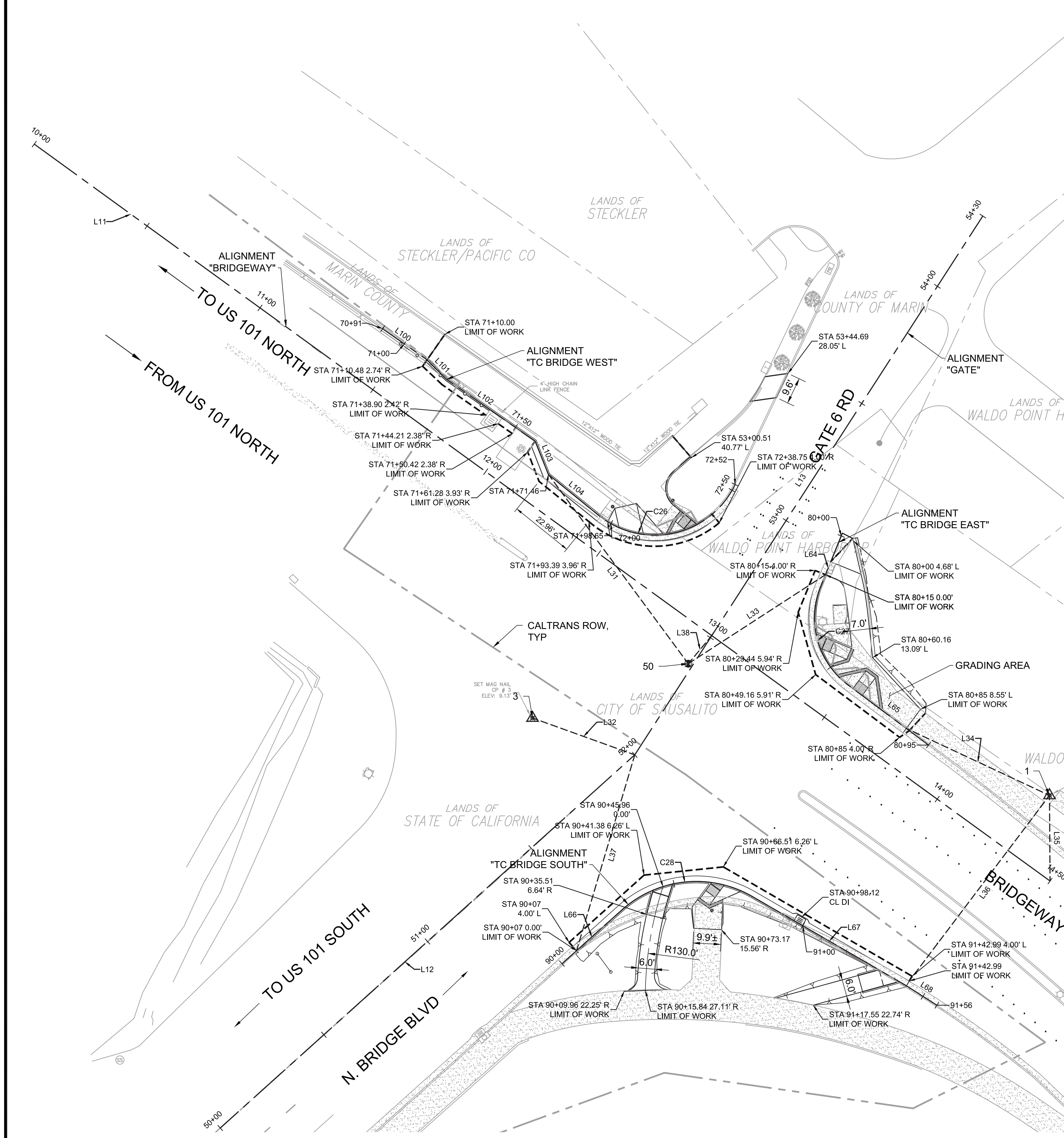
DATE: 05/24/2016
SCALE: AS SHOWN
DRAWN BY:
PROJECT NO: CML5098(012)
SHEET

C-1.3



A
C-1.3
DEMOLITION PLAN
SCALE: 1" = 20'





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

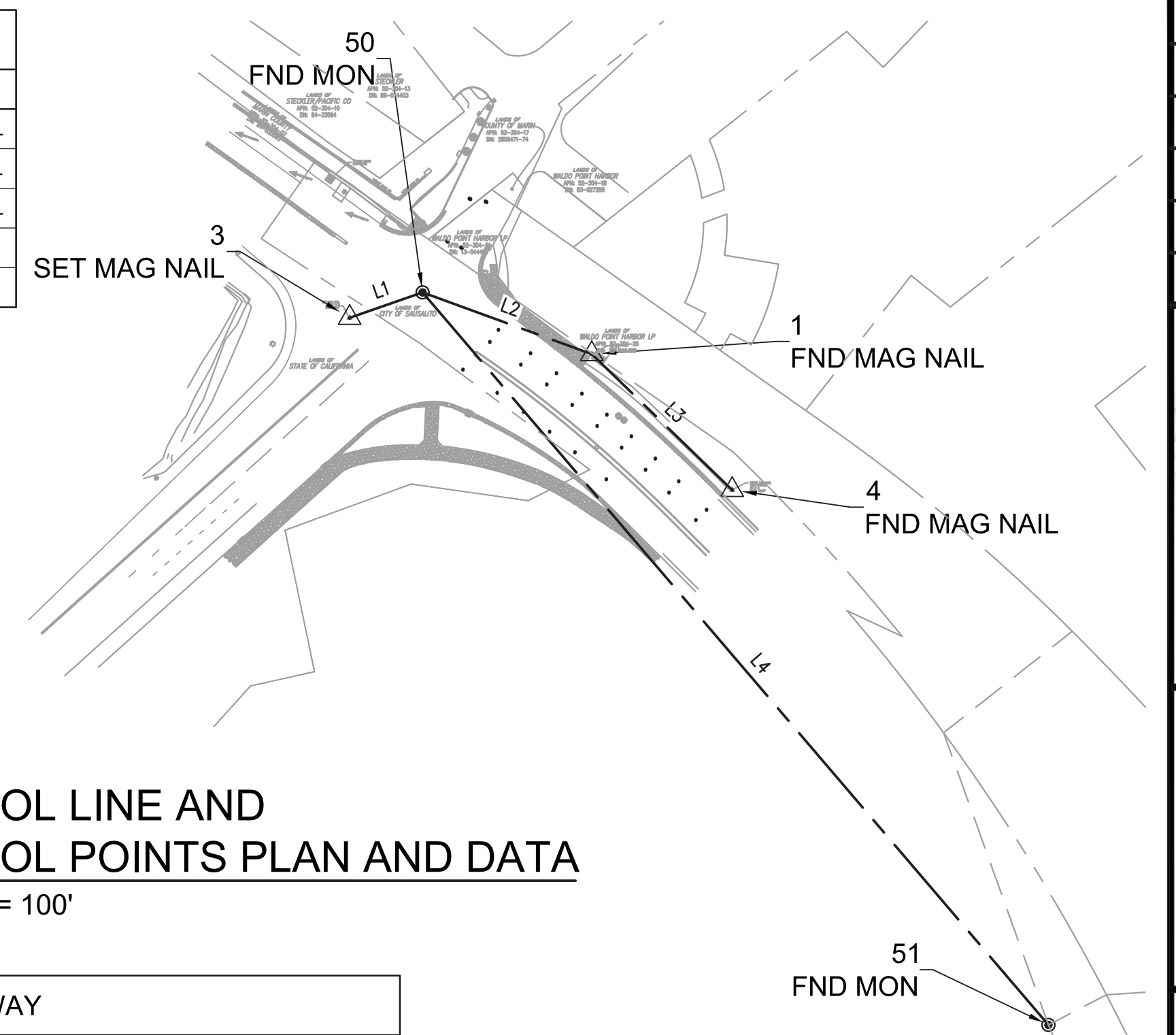
- NOTES:**
- SEE SHEET C-1.2 FOR BENCHMARK, BASIS OF BEARING AND SURVEYOR' STATEMENT NOTES.
 - SEE SHEET C-2.3 FOR CURB RAMP ADDITIONAL INFORMATION.

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

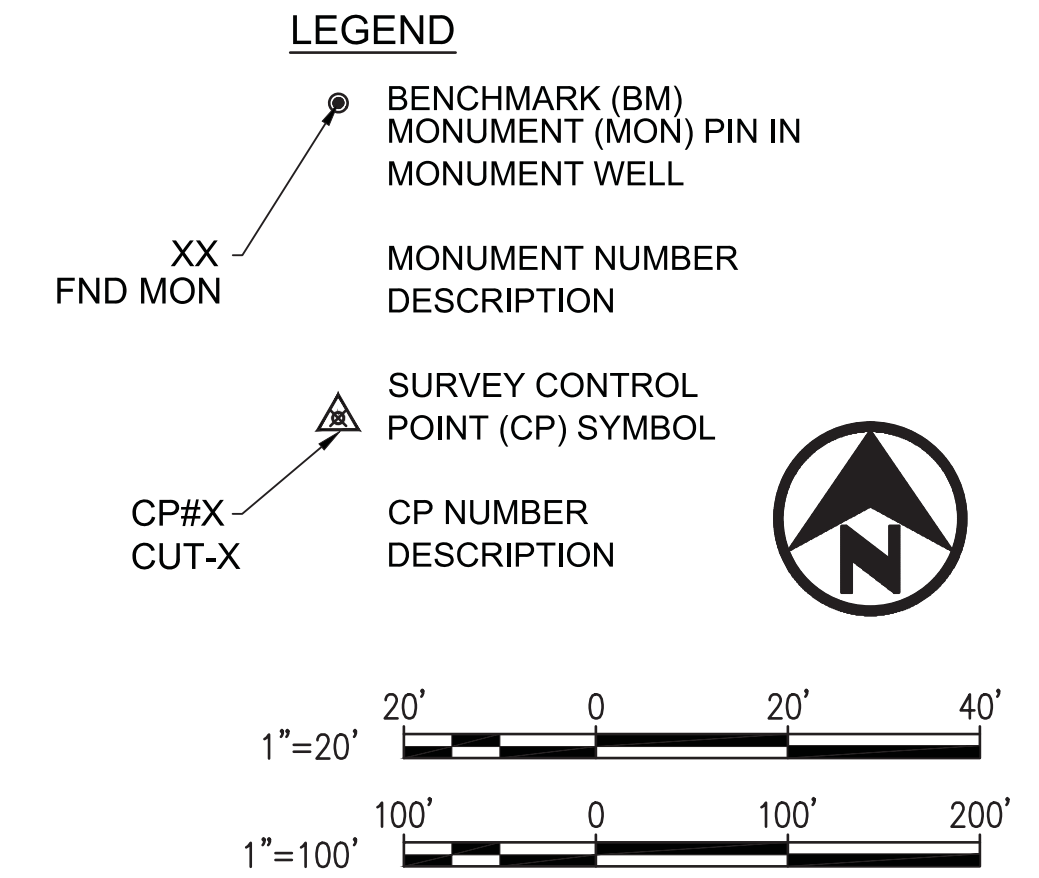
SEGMENT	LENGTH	BEARING/Delta	RADIUS	TANGENT	START	END
L100	19.13	S55°04'45"E			STA: 70+90.53 N: 2146519.53 E: 5982687.04	STA: 71+09.66 N: 2146508.58 E: 5982702.72
L101	10.19	S45°12'57"E			STA: 71+09.66 N: 2146508.58 E: 5982702.72	STA: 71+19.86 N: 2146501.40 E: 5982709.96
L102	38.75	S55°05'05"E			STA: 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

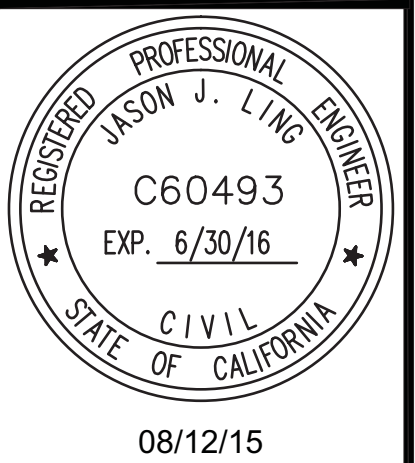
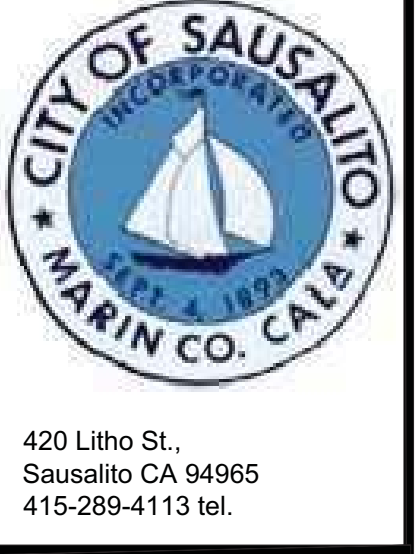
MONUMENT TO ALIGNMENT LINE TABLE

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



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NO.	DESCRIPTION



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

DATE: 05/24/2016
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C-1.4
6 OF 23 SHEETS

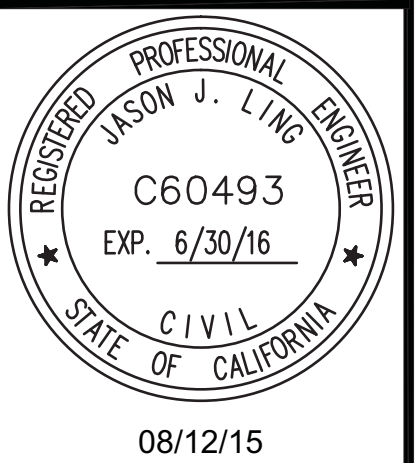
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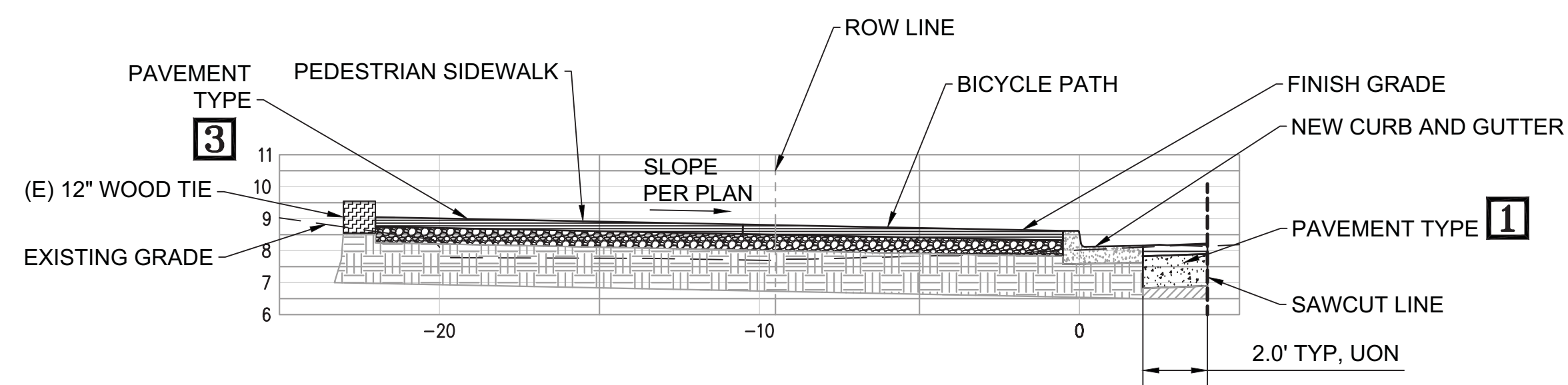


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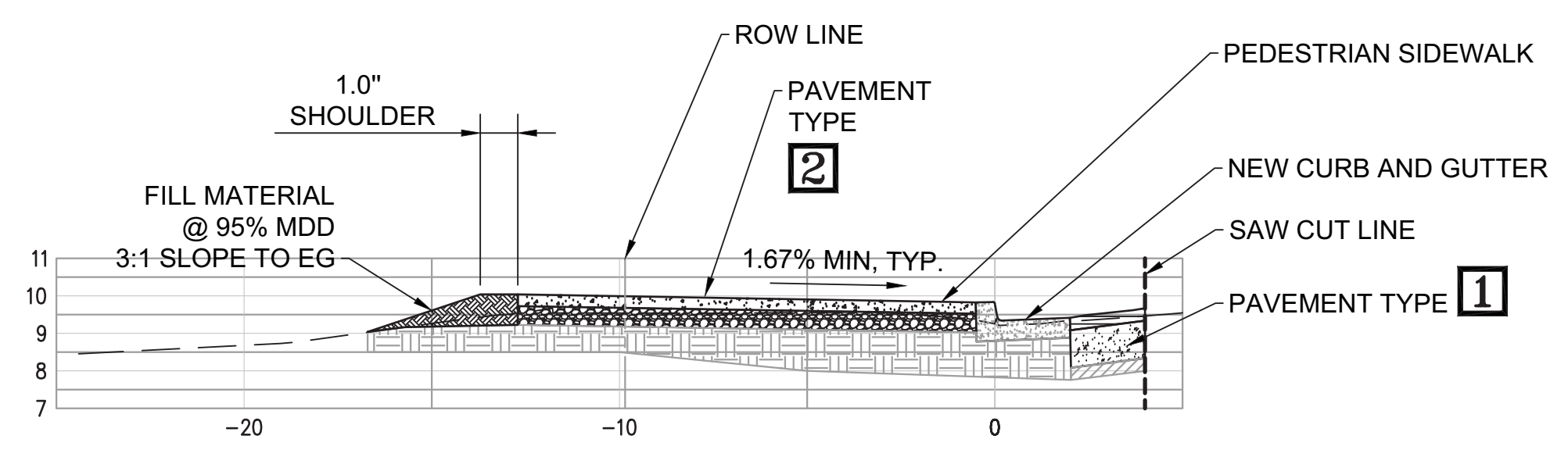
**GATE 6 INTERSECTION
IMPROVEMENTS
TYPICAL SECTIONS**

DATE: 05/24/2016
SCALE: AS SHOWN
DRAWN BY:
PROJECT NO: CML5098(012)
SHEET

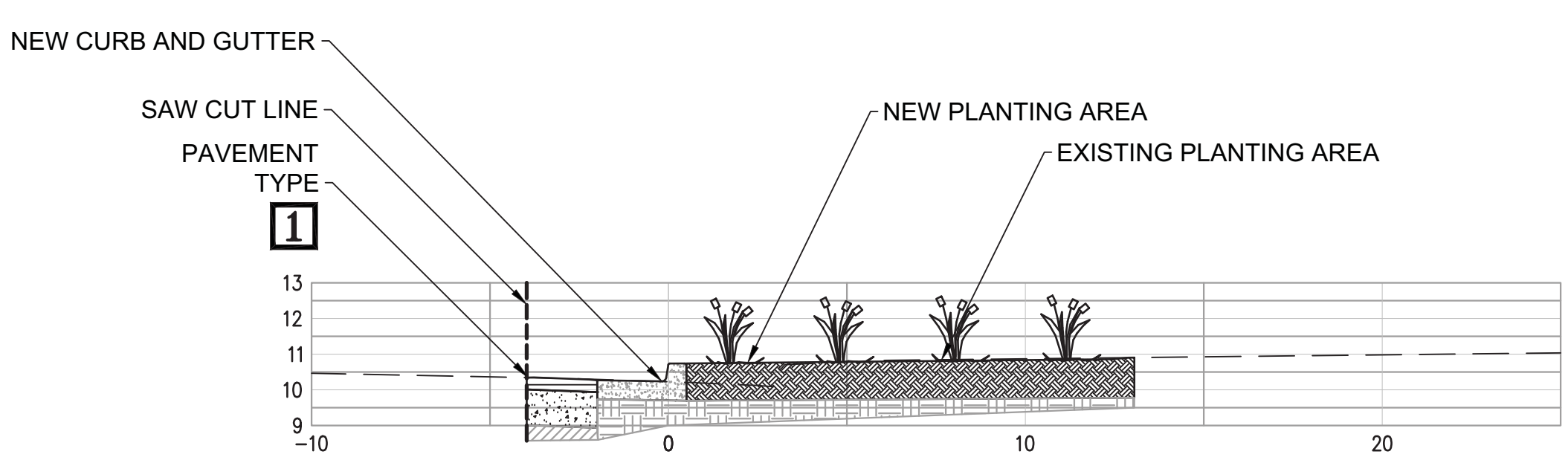
C-2.1



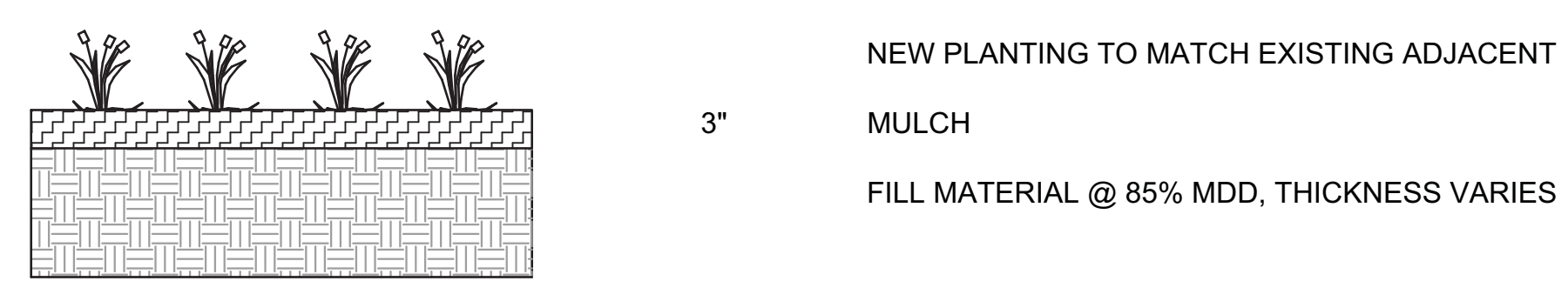
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BIKE LANE AND
SIDEWALK TYPICAL SECTION
C-2.1 SCALE: 1" = 4'



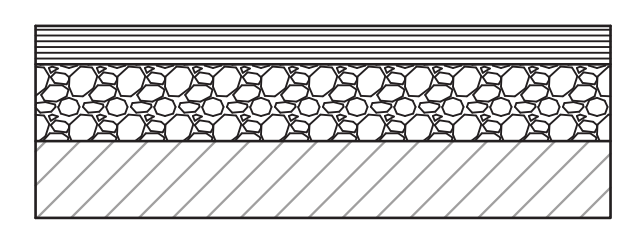
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SIDEWALK TYPICAL SECTION
C-2.1 SCALE: 1" = 4'



3
SIDEWALK TYPICAL SECTION
C-2.1 SCALE: 1" = 4'

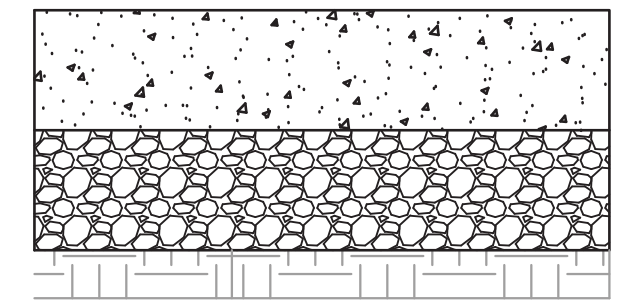


4
TYPICAL PLANTER SECTION
C-2.1 SCALE: N.T.S.



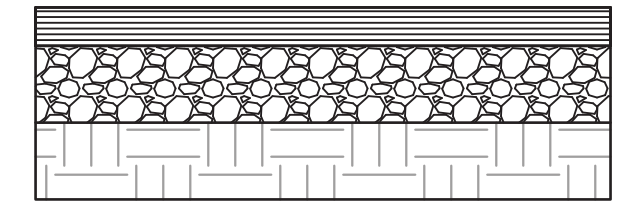
**PAVEMENT TYPE 1
ASPHALT CONCRETE**

- 4.0" HOT MIX ASPHALT CONCRETE (AC) TYPE A
- 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

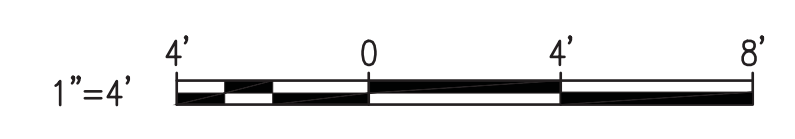


**PAVEMENT TYPE 3
ASPHALT CONCRETE**

- 2.0" 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

LEGEND:

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

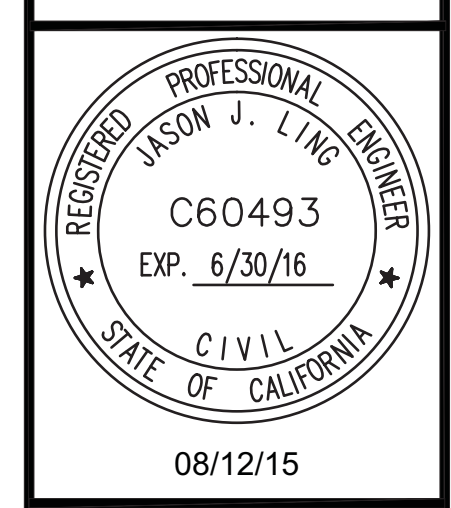


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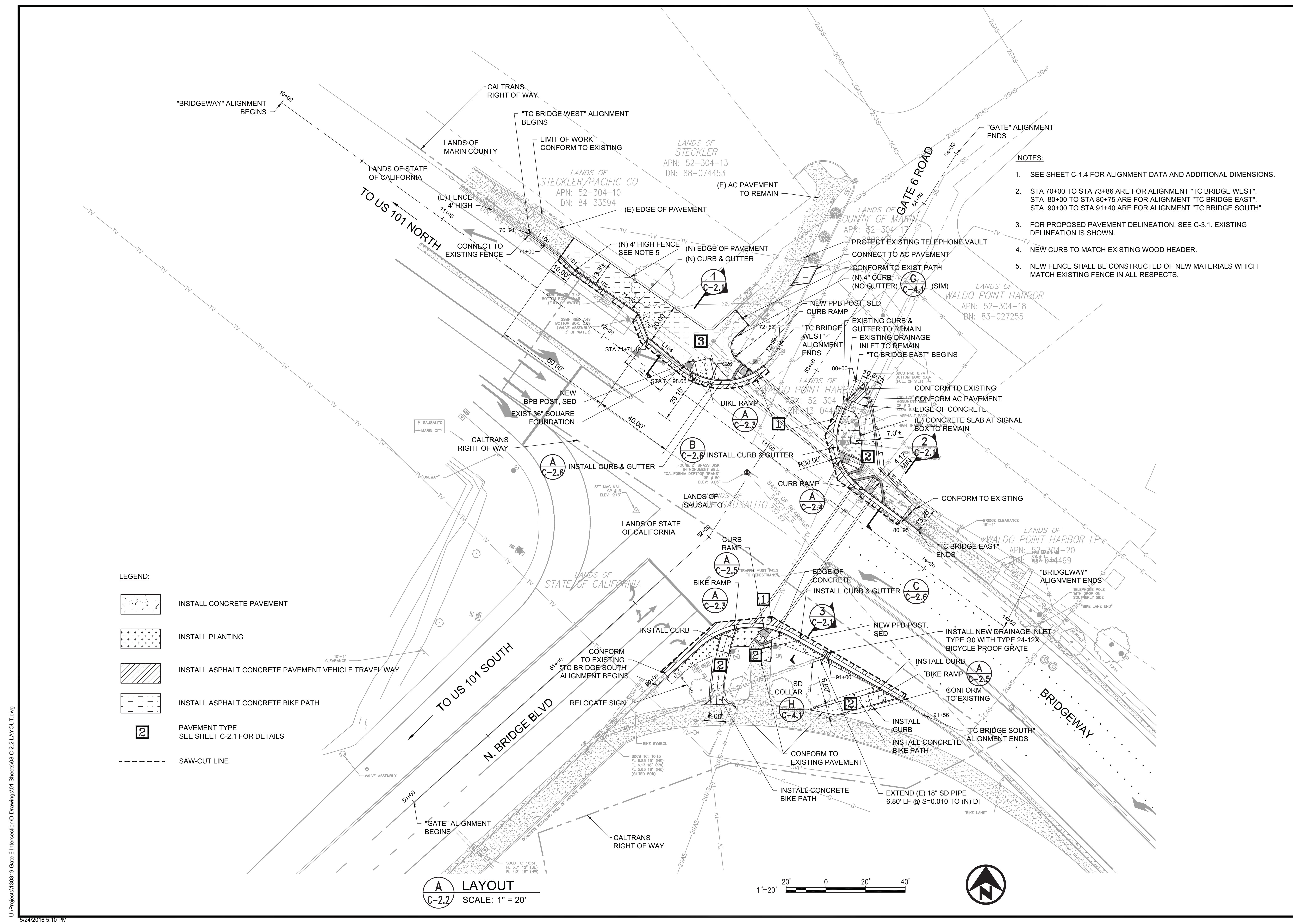


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GATE 6 INTERSECTION IMPROVEMENTS LAYOUT PLAN

DATE: 05/24/2016
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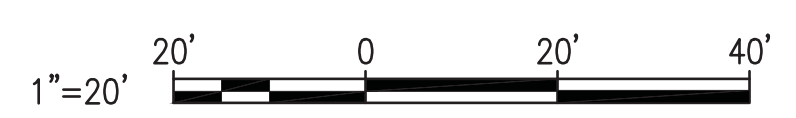
C-2.2
8 OF 23 SHEETS



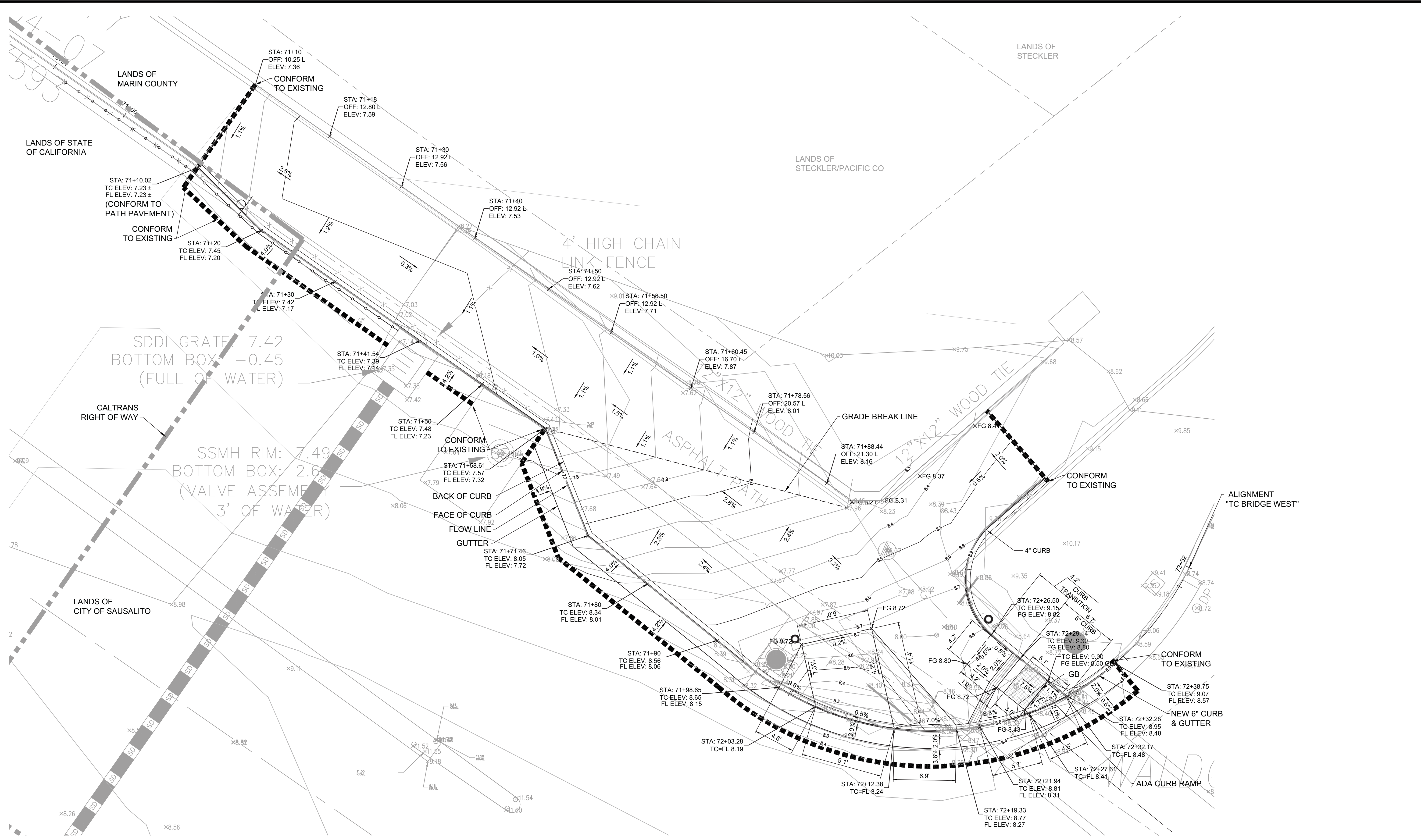
- NOTES:**
- SEE SHEET C-1.4 FOR ALIGNMENT DATA AND ADDITIONAL DIMENSIONS.
 - STA 70+00 TO STA 73+86 ARE FOR ALIGNMENT "TC BRIDGE WEST". STA 80+00 TO STA 80+75 ARE FOR ALIGNMENT "TC BRIDGE EAST". STA 90+00 TO STA 91+40 ARE FOR ALIGNMENT "TC BRIDGE SOUTH"
 - FOR PROPOSED PAVEMENT DELINEATION, SEE C-3.1. 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.

- LEGEND:**
- INSTALL CONCRETE PAVEMENT
 - INSTALL PLANTING
 - INSTALL ASPHALT CONCRETE PAVEMENT VEHICLE TRAVEL WAY
 - INSTALL ASPHALT CONCRETE BIKE PATH
 - PAVEMENT TYPE SEE SHEET C-2.1 FOR DETAILS
 - SAW-CUT LINE

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



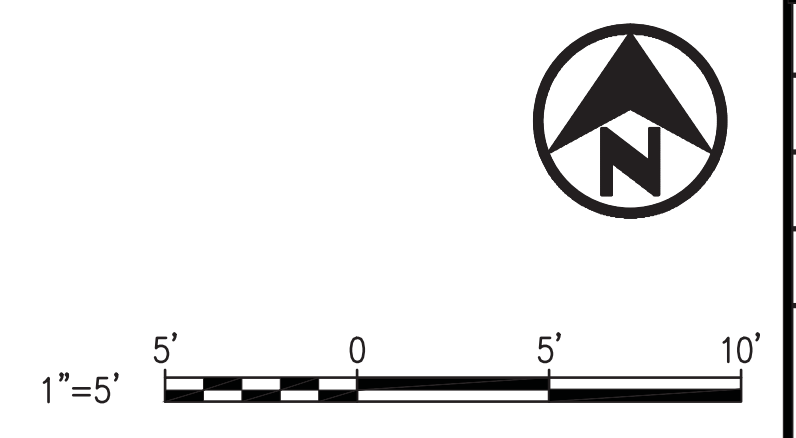
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A CURB RAMP ENLARGED PLAN
 C-2.3 SCALE: 1" = 5'

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 ENGINEERS APPROVAL PRIOR TO STAKING NEW CURB.



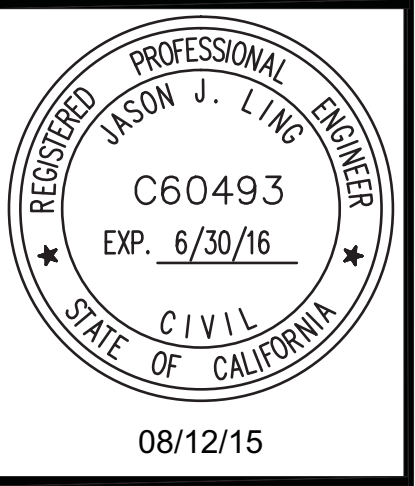
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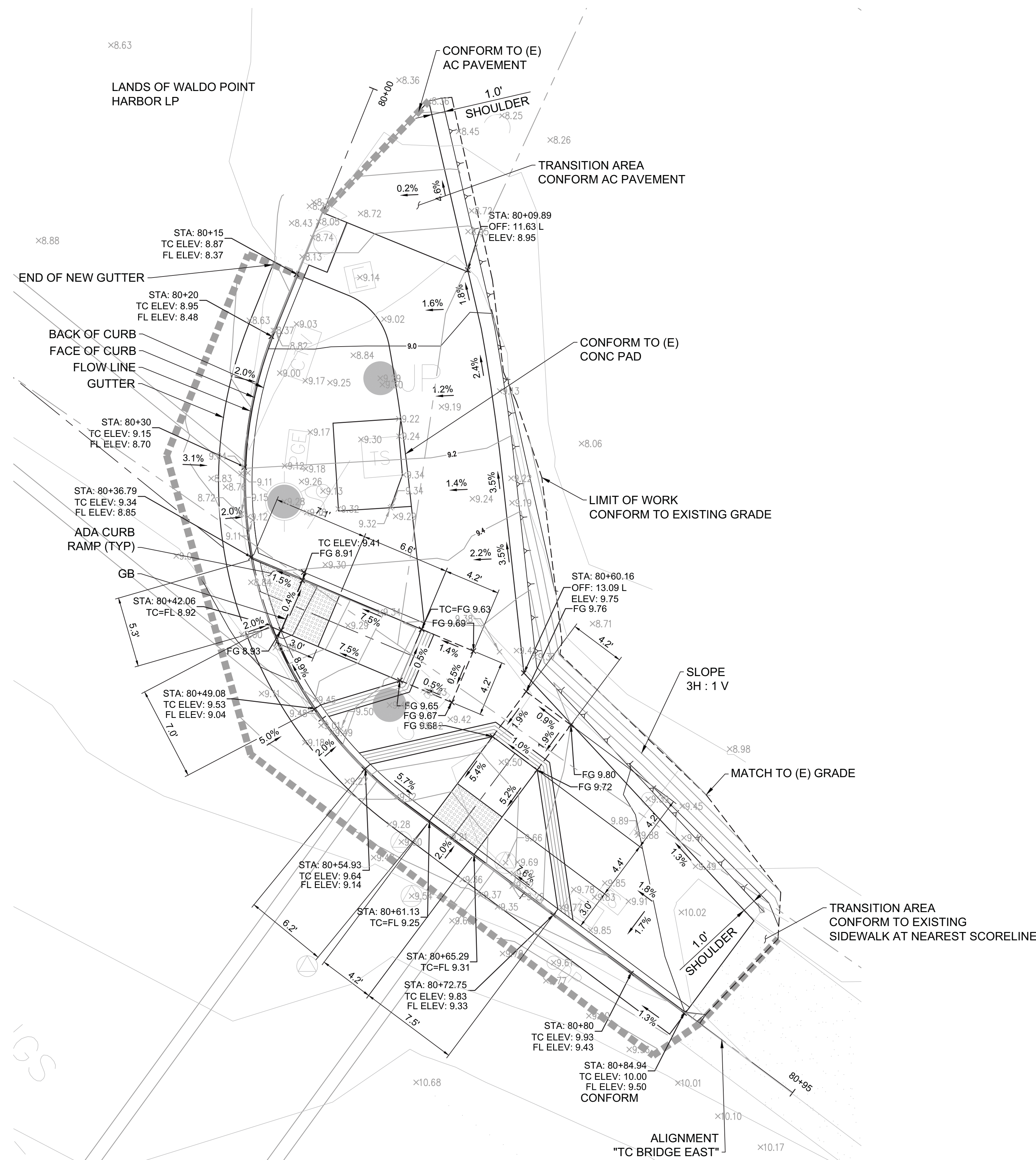


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**GATE 6 INTERSECTION
 IMPROVEMENTS
 CURB RAMP ENLARGE PLAN**

DATE: 05/24/2016
 SCALE: AS SHOWN
 DRAWN BY:
 PROJECT NO: CML5098(012)
 SHEET

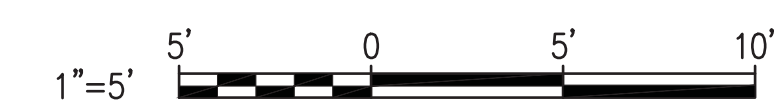
C-2.3



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".
 STA 80+00 TO STA 80+75 ARE FOR ALIGNMENT "TC BRIDGE EAST".
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GATE 6 INTERSECTION IMPROVEMENTS
CURB RAMP ENLARGE PLAN

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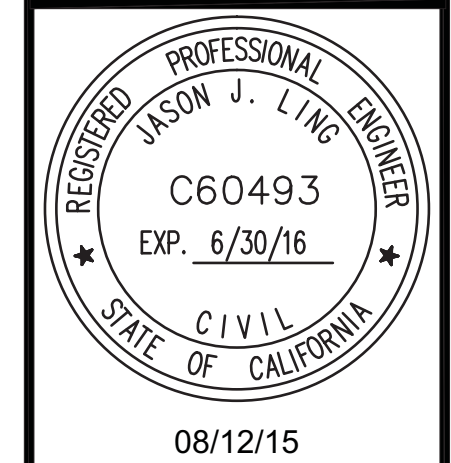
C-2.4

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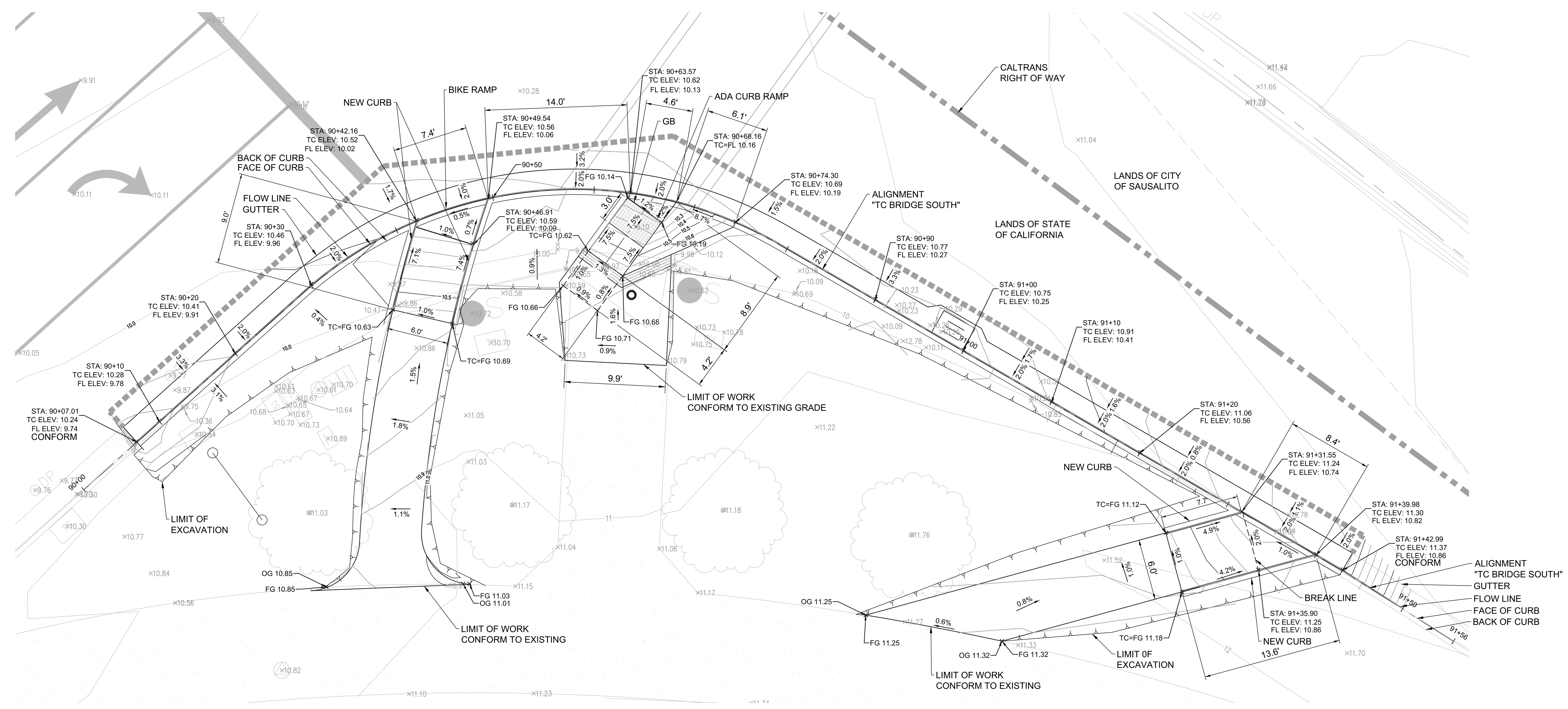


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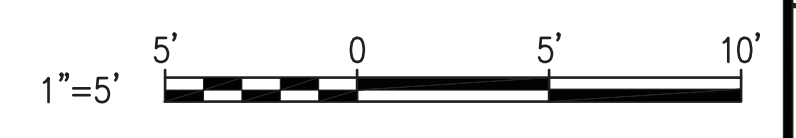


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A CURB RAMP ENLARGED PLAN
C-2.5 SCALE: 1" = 5'

- 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".
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**GATE 6 INTERSECTION
IMPROVEMENTS
CURB RAMP ENLARGE PLAN**

DATE:	05/24/2016
SCALE:	AS SHOWN
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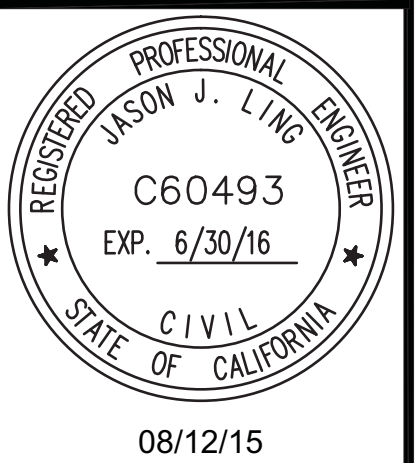
C-2.5

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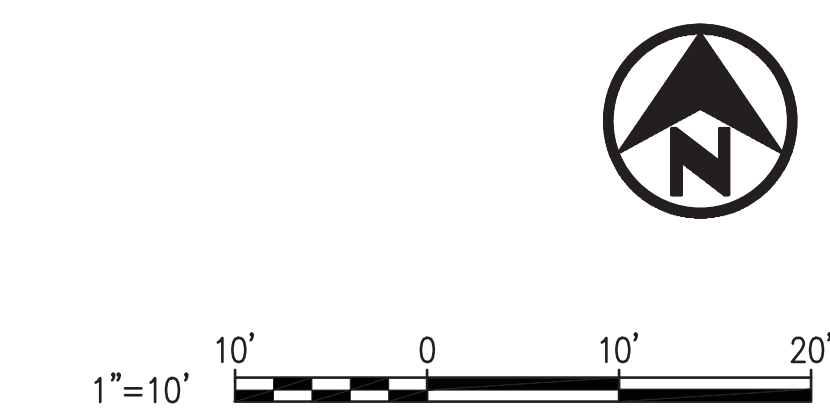
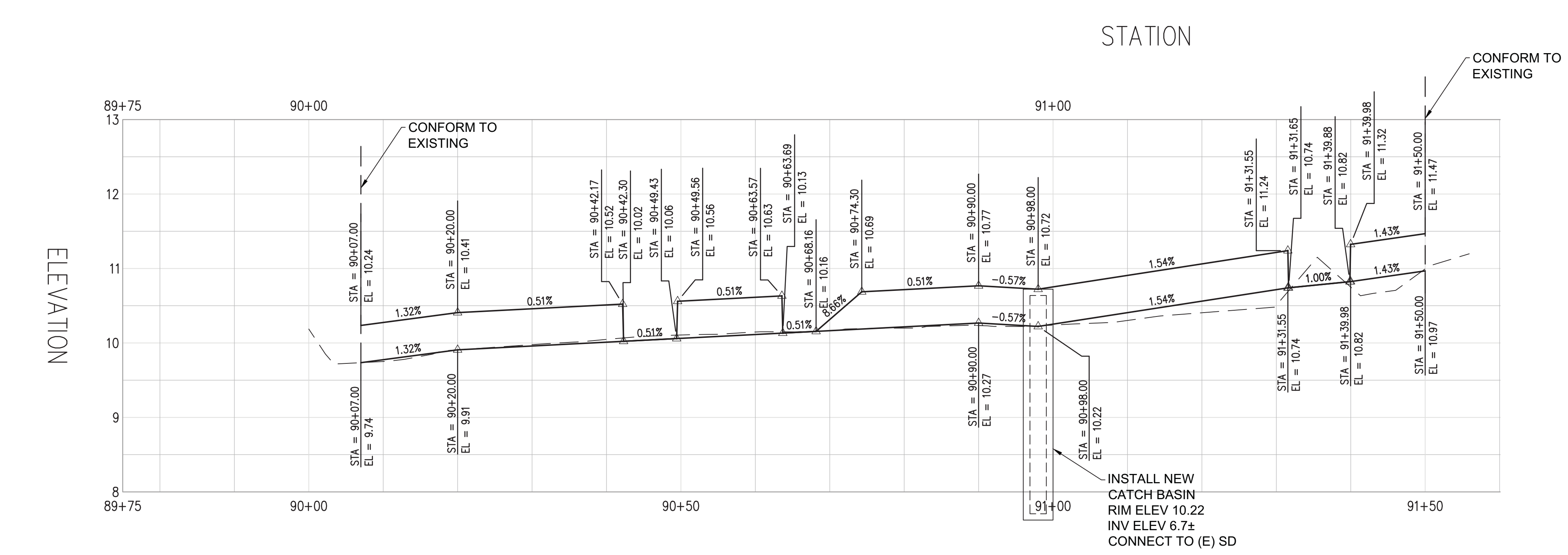
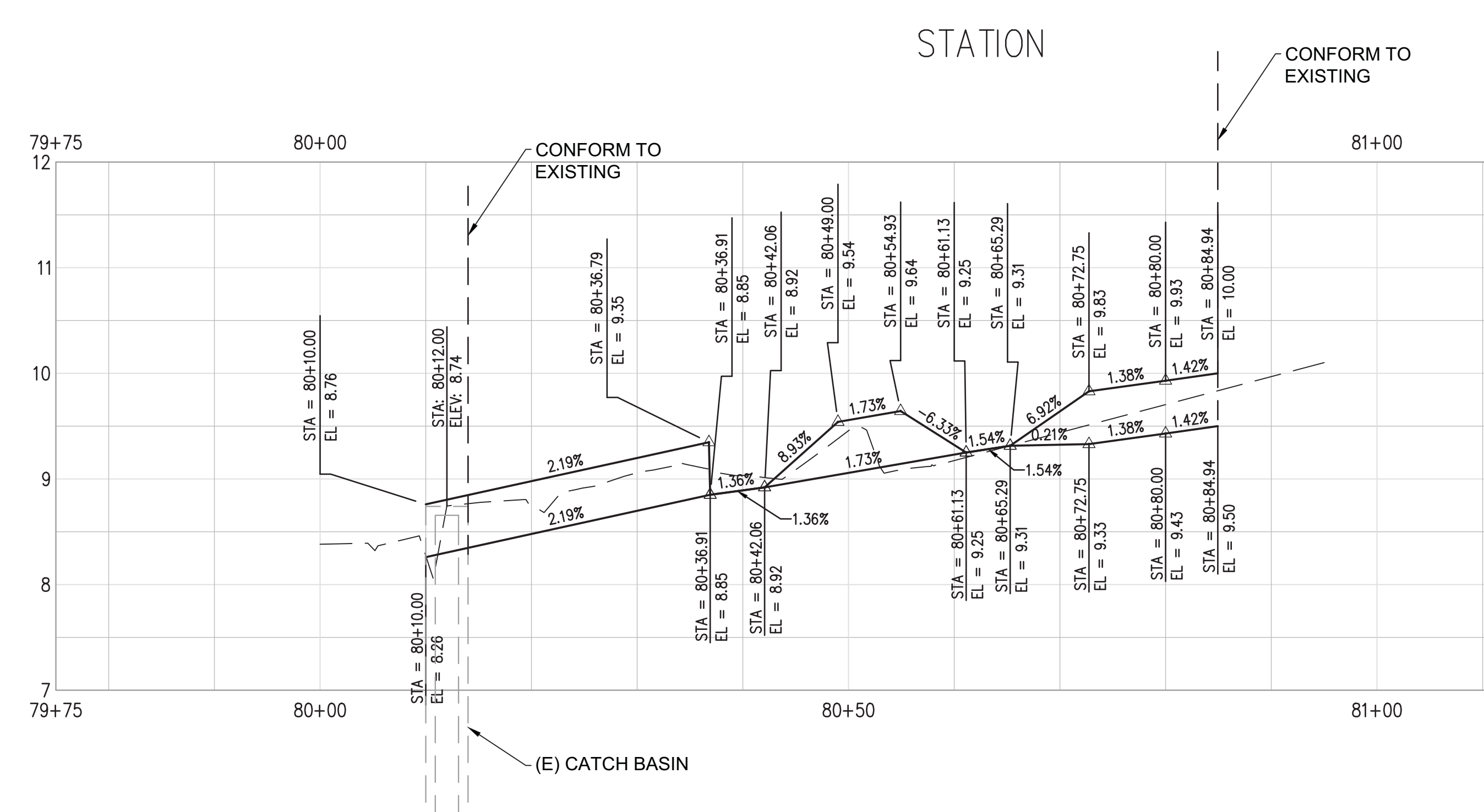
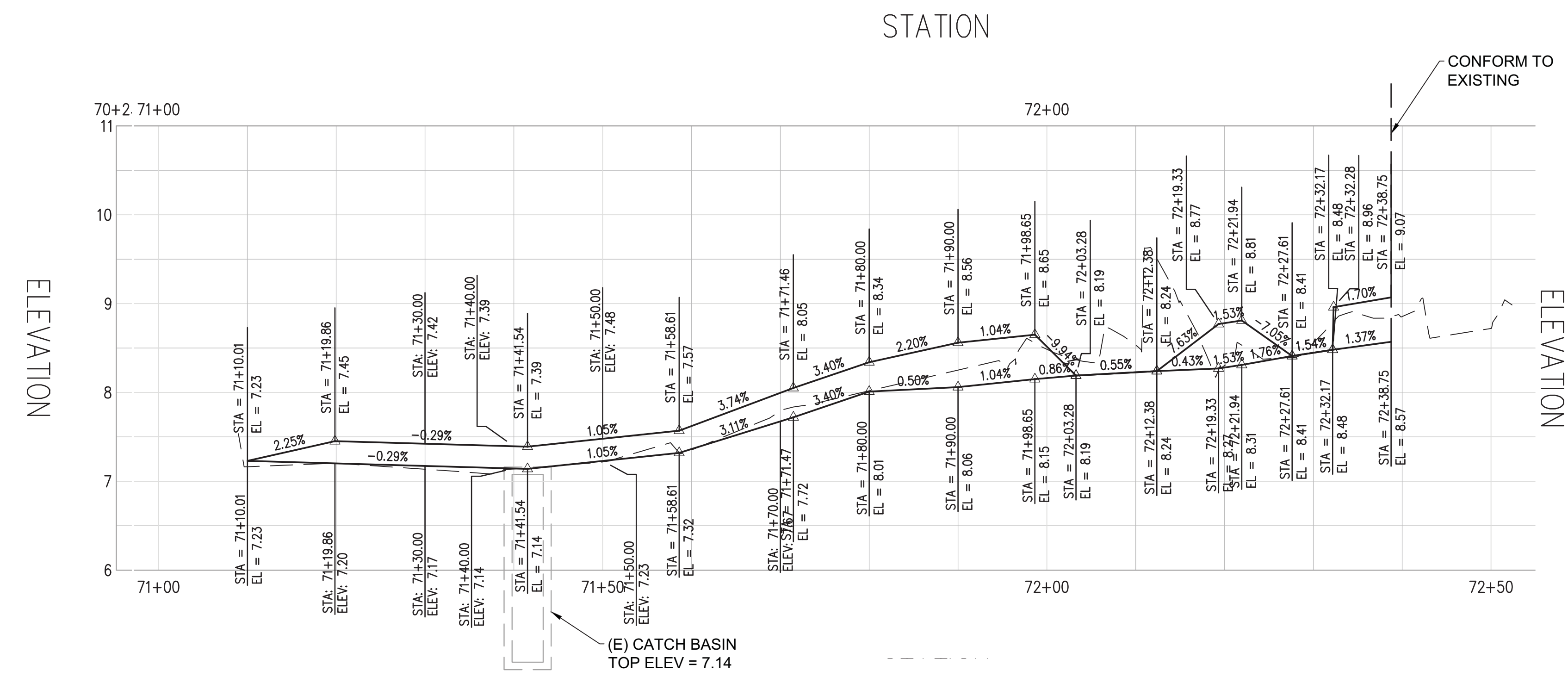


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**GATE 6 INTERSECTION
IMPROVEMENTS**
CURB PROFILES

DATE: 05/24/2016
SCALE: AS SHOWN
DRAWN BY
PROJECT NO: CML5098(012)
SHEET

C-2.6

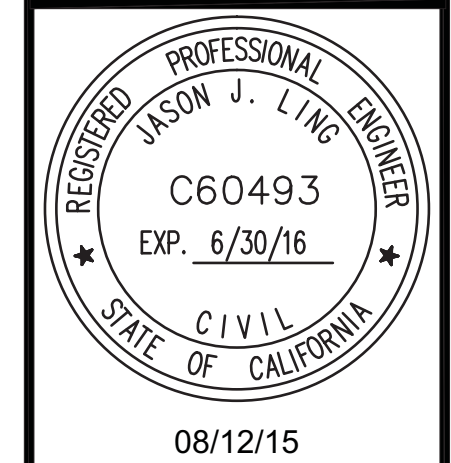


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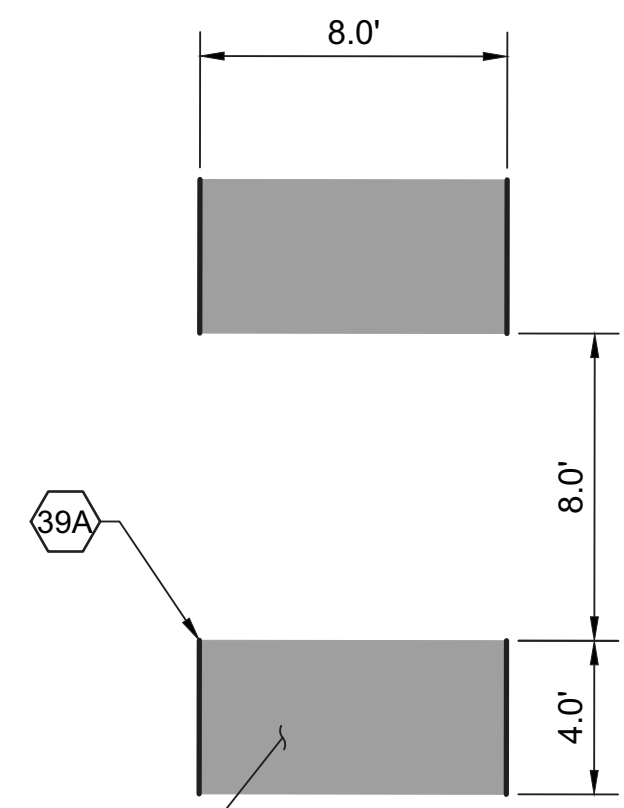
**GATE 6 INTERSECTION
IMPROVEMENTS
PAVEMENT DELINEATION**

DATE: 05/24/2016
SCALE: AS SHOWN
DRAWN BY:
PROJECT NO: CML5098(012)
SHEET

C-3.1

13 OF 23 SHEETS

- BICYCLE LANE LEGEND:**
- BICYCLE LANE MARKING
 - GREEN COLORED BICYCLE PATH
 - PROPOSED MARKINGS
 - EXISTING MARKINGS
 - CA MUTCD DETAIL No. 21
 - PROPOSED DELINEATION
 - EXISTING DELINEATION

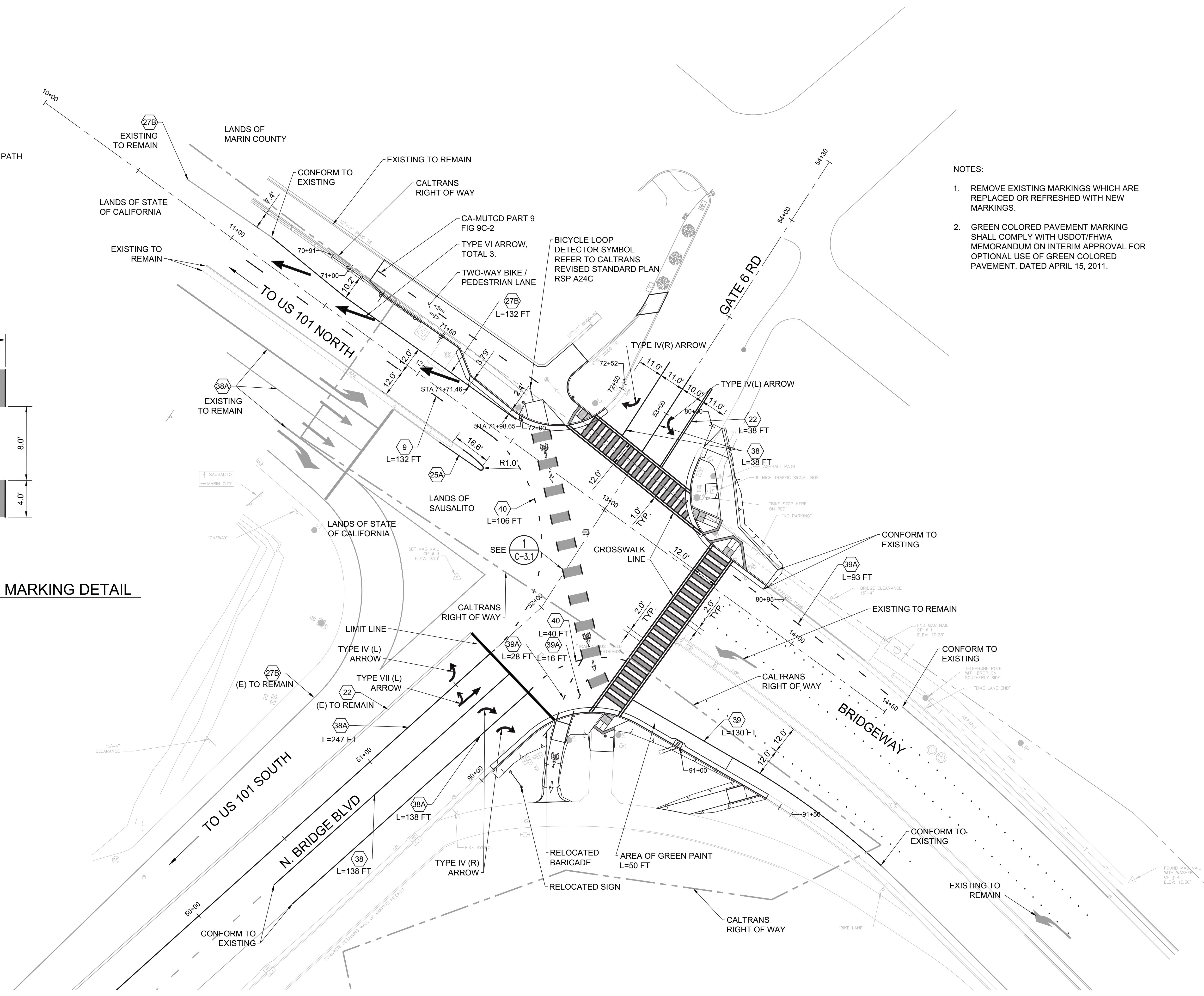


1 BICYCLE LANE MARKING DETAIL
SCALE: 1" = 5'

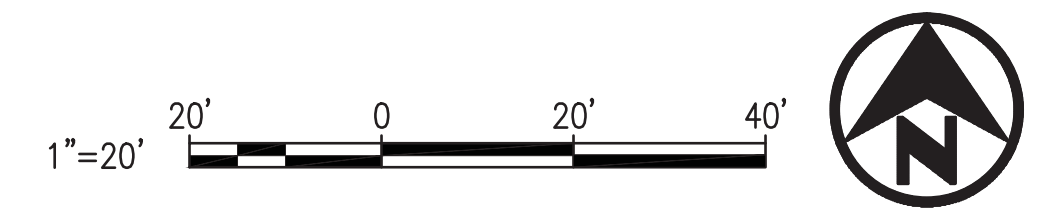
- NOTES:**
- REMOVE EXISTING MARKINGS WHICH ARE REPLACED OR REFRESHED WITH NEW MARKINGS.
 - GREEN COLORED PAVEMENT MARKING SHALL COMPLY WITH USDOT/FHWA MEMORANDUM ON INTERIM APPROVAL FOR OPTIONAL USE OF GREEN COLORED PAVEMENT. DATED APRIL 15, 2011.

U:\Projects\130319 Gate 6 Intersection\Drawings\01 Sheets\13 C-3.1 PAVEMENT DELINEATION.dwg

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A PAVEMENT DELINEATION
SCALE: 1" = 20'



BICYCLE LANE LEGEND:



EXISTING SIGNAGE



PROPOSED SIGNAGE



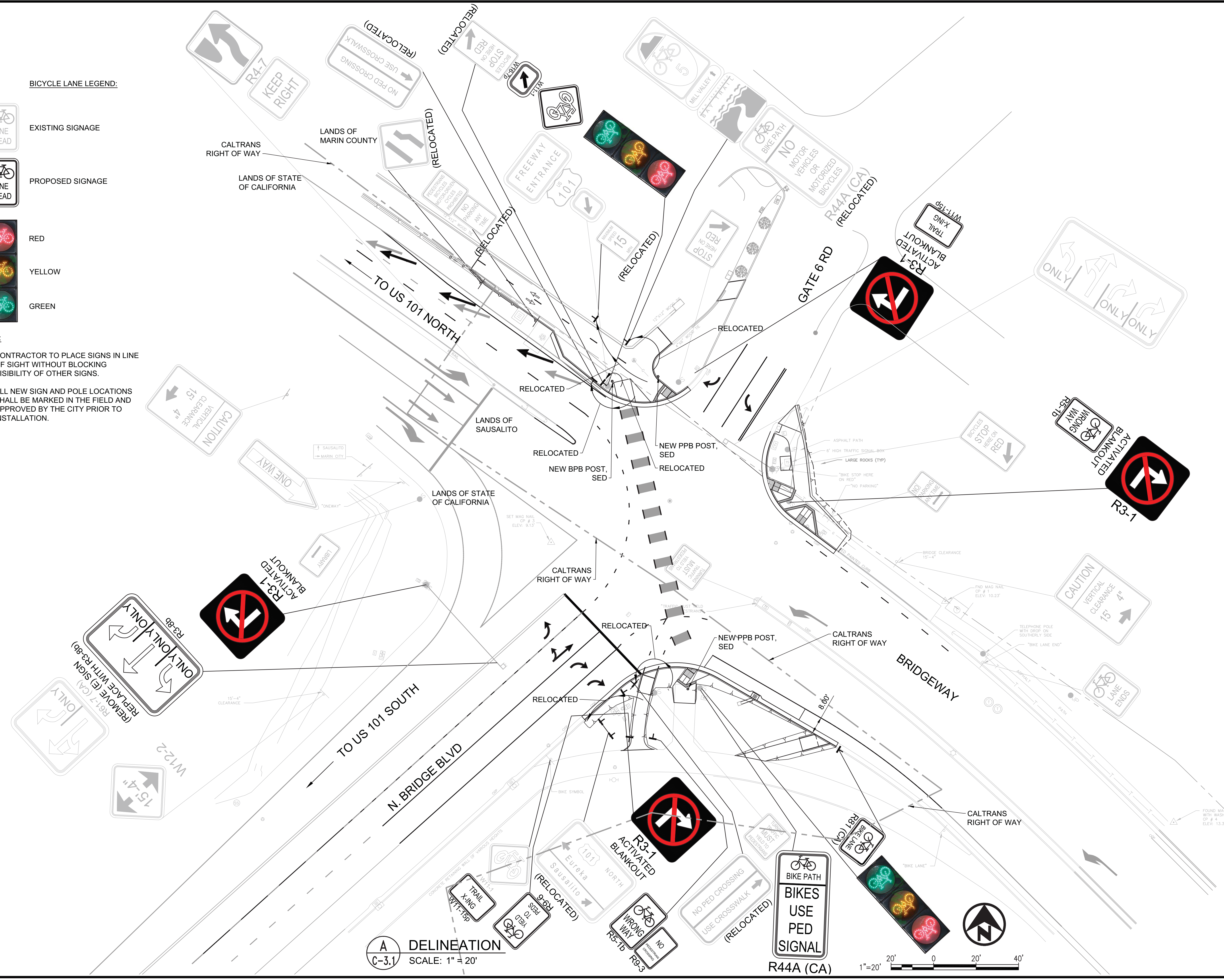
RED

YELLOW

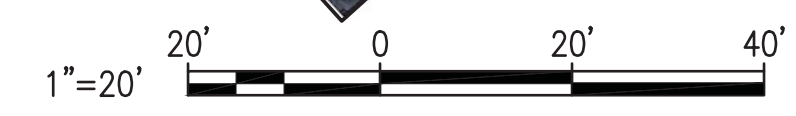
GREEN

NOTE:

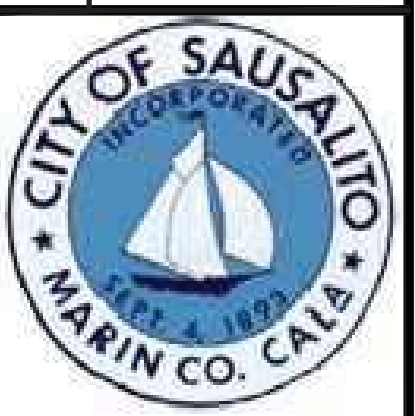
1. CONTRACTOR TO PLACE SIGNS IN LINE OF SIGHT WITHOUT BLOCKING VISIBILITY OF OTHER SIGNS.
2. ALL NEW SIGN AND POLE LOCATIONS SHALL BE MARKED IN THE FIELD AND APPROVED BY THE CITY PRIOR TO INSTALLATION.



A DELINEATION
C-3.1 SCALE: 1" = 20'



NO.	REVISIONS

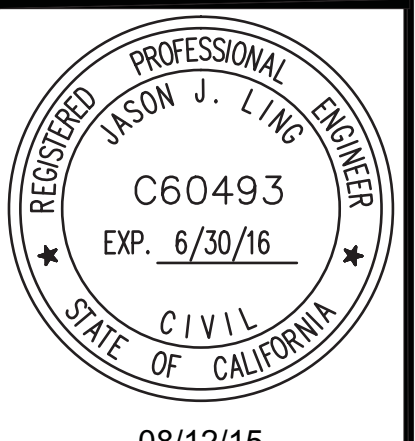


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**GATE 6 INTERSECTION
IMPROVEMENTS**
SIGNAGE PLAN

DATE: 05/24/2016

SCALE: AS SHOWN

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PROJECT NO: CML5098(012)

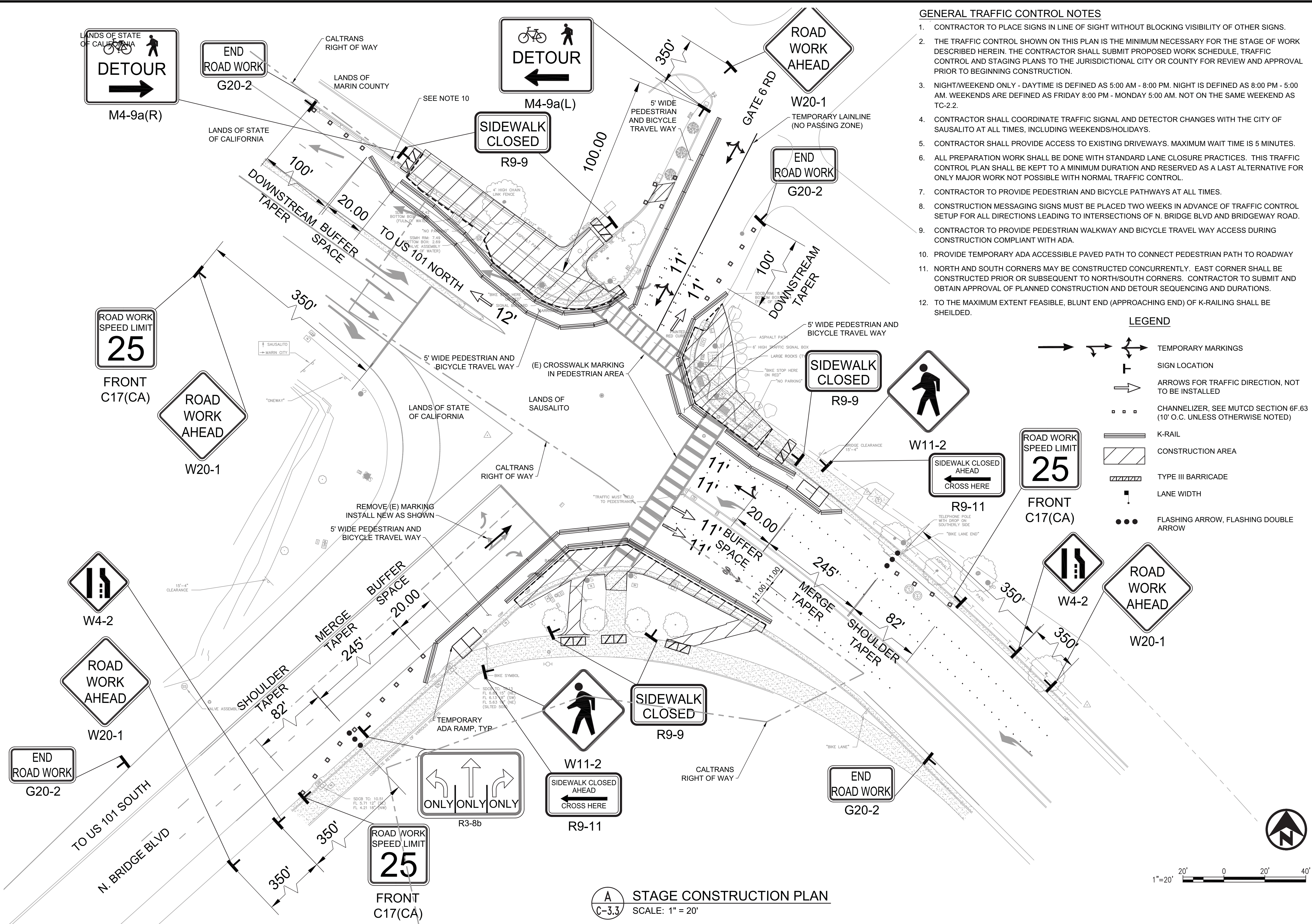
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C-3.2

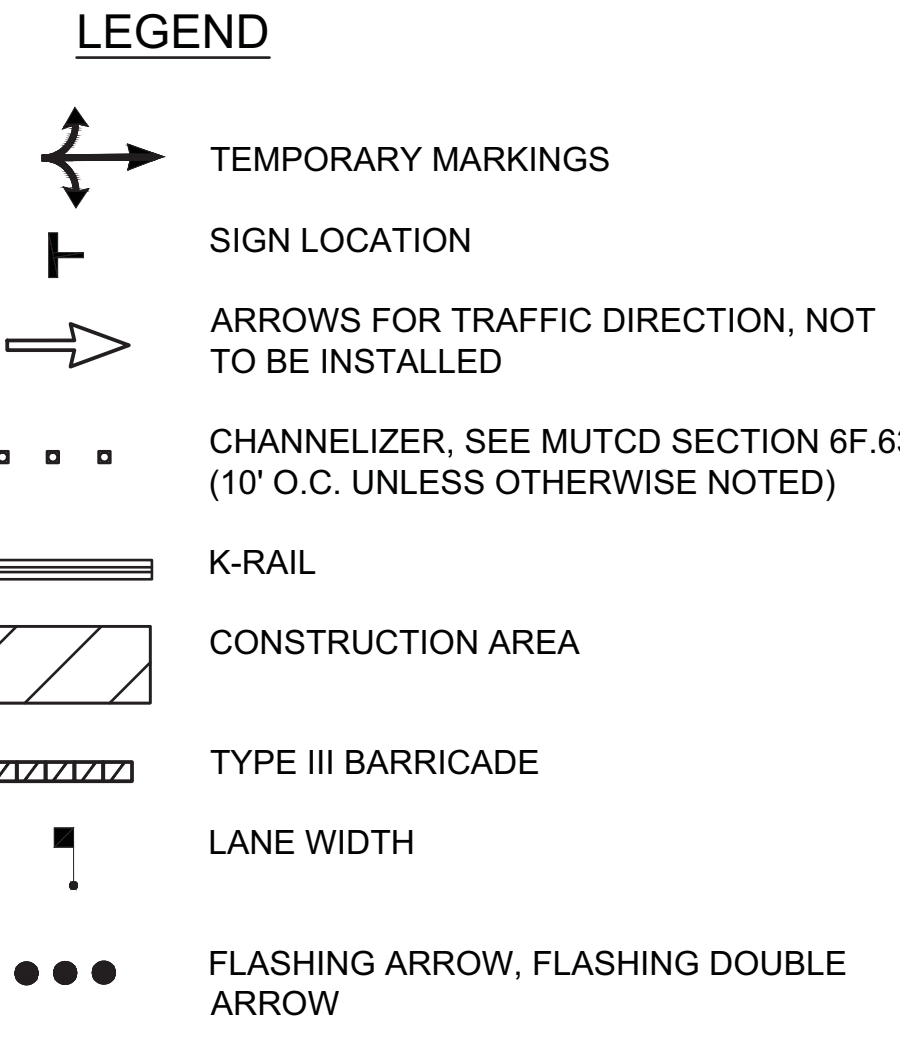
14 OF 23 SHEETS

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

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- ### GENERAL TRAFFIC CONTROL NOTES
- CONTRACTOR TO PLACE SIGNS IN LINE OF SIGHT WITHOUT BLOCKING VISIBILITY OF OTHER SIGNS.
 - THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE STAGE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE, TRAFFIC CONTROL AND STAGING PLANS TO THE JURISDICTIONAL CITY OR COUNTY FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
 - NIGHT/WEEKEND ONLY - DAYTIME IS DEFINED AS 5:00 AM - 8:00 PM. NIGHT IS DEFINED AS 8:00 PM - 5:00 AM. WEEKENDS ARE DEFINED AS FRIDAY 8:00 PM - MONDAY 5:00 AM. NOT ON THE SAME WEEKEND AS TC-2.2.
 - CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAUSALITO AT ALL TIMES, INCLUDING WEEKENDS/HOLIDAYS.
 - CONTRACTOR SHALL PROVIDE ACCESS TO EXISTING DRIVEWAYS. MAXIMUM WAIT TIME IS 5 MINUTES.
 - 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.
 - CONTRACTOR TO PROVIDE PEDESTRIAN AND BICYCLE PATHWAYS AT ALL TIMES.
 - 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.
 - CONTRACTOR TO PROVIDE PEDESTRIAN WALKWAY AND BICYCLE TRAVEL WAY ACCESS DURING CONSTRUCTION COMPLIANT WITH ADA.
 - PROVIDE TEMPORARY ADA ACCESSIBLE PAVED PATH TO CONNECT PEDESTRIAN PATH TO ROADWAY
 - NORTH AND SOUTH CORNERS MAY BE CONSTRUCTED CONCURRENTLY. EAST CORNER SHALL BE CONSTRUCTED PRIOR OR SUBSEQUENT TO NORTH/SOUTH CORNERS. CONTRACTOR TO SUBMIT AND OBTAIN APPROVAL OF PLANNED CONSTRUCTION AND DETOUR SEQUENCING AND DURATIONS.
 - TO THE MAXIMUM EXTENT FEASIBLE, BLUNT END (APPROACHING END) OF K-RAILING SHALL BE SHEILDLED.

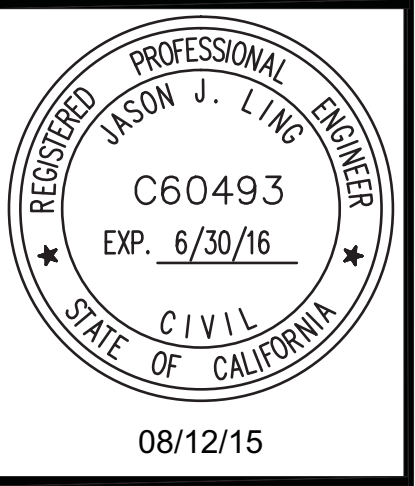


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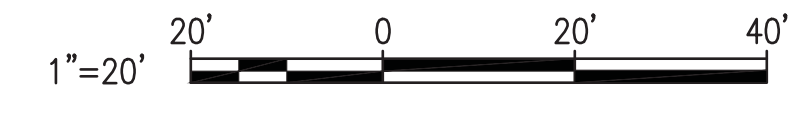
GATE 6 INTERSECTION IMPROVEMENTS

STAGE CONSTRUCTION PLAN

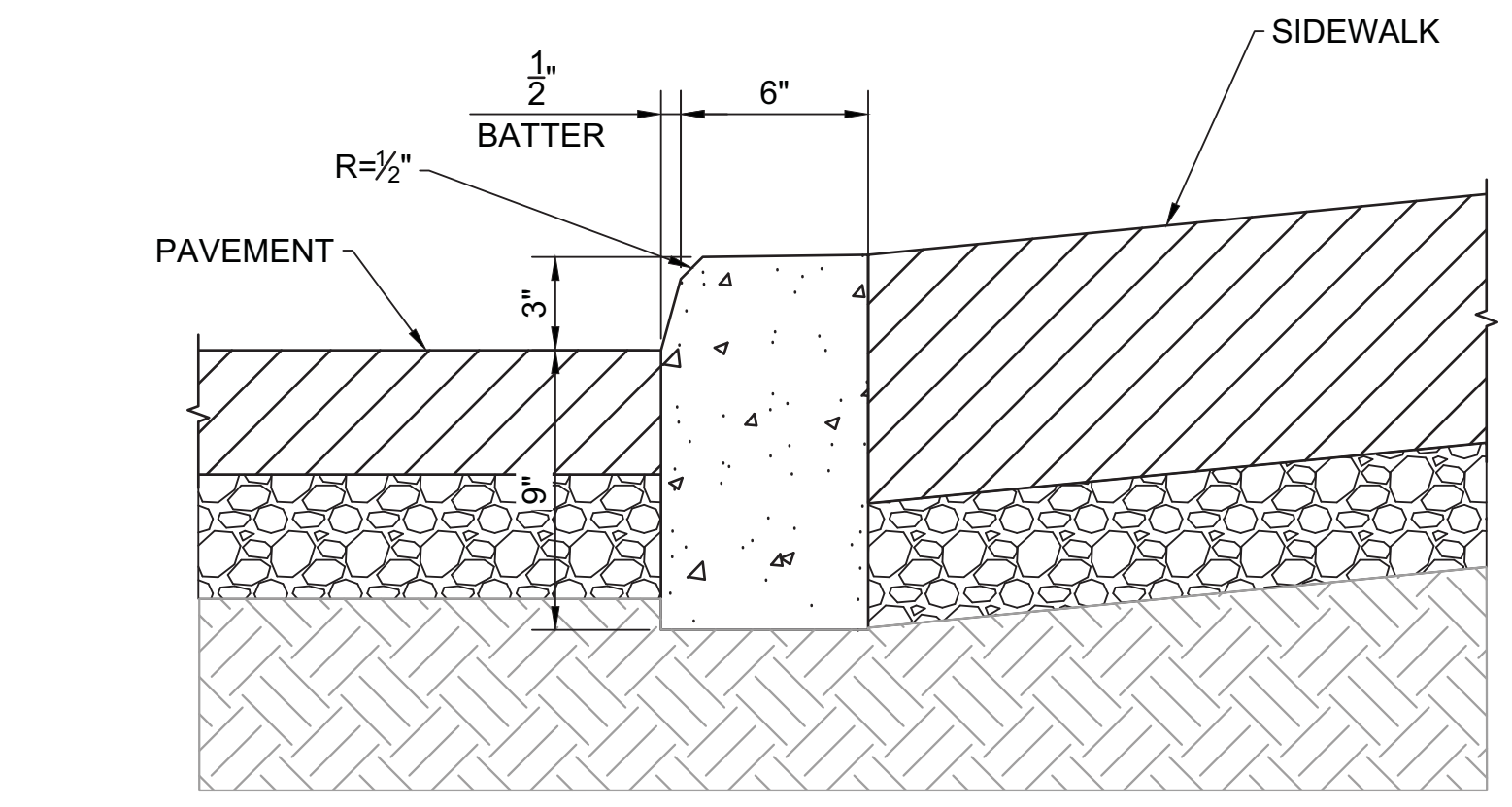
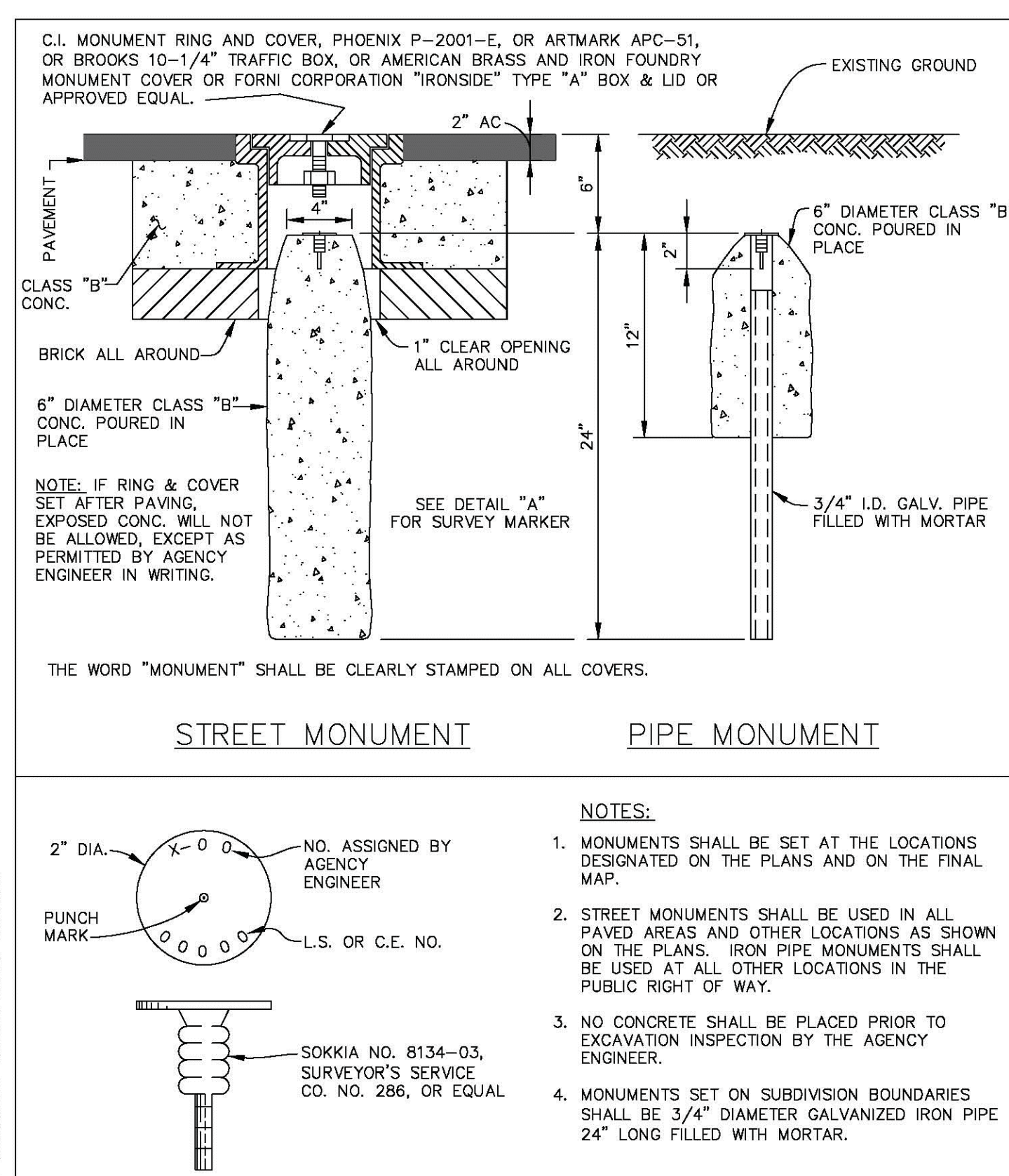
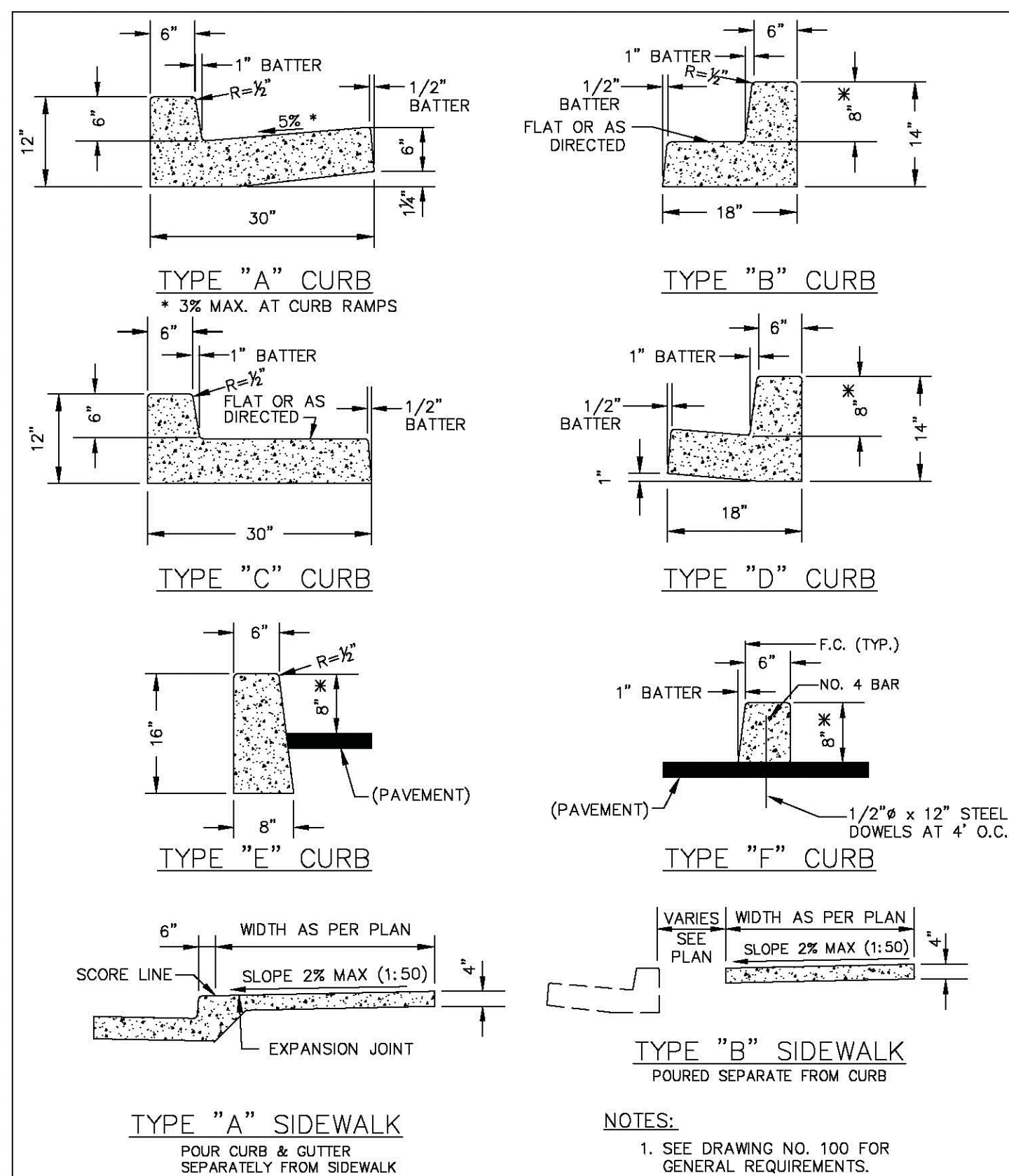
DATE: 05/24/2016
SCALE: AS SHOWN
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C-3.3

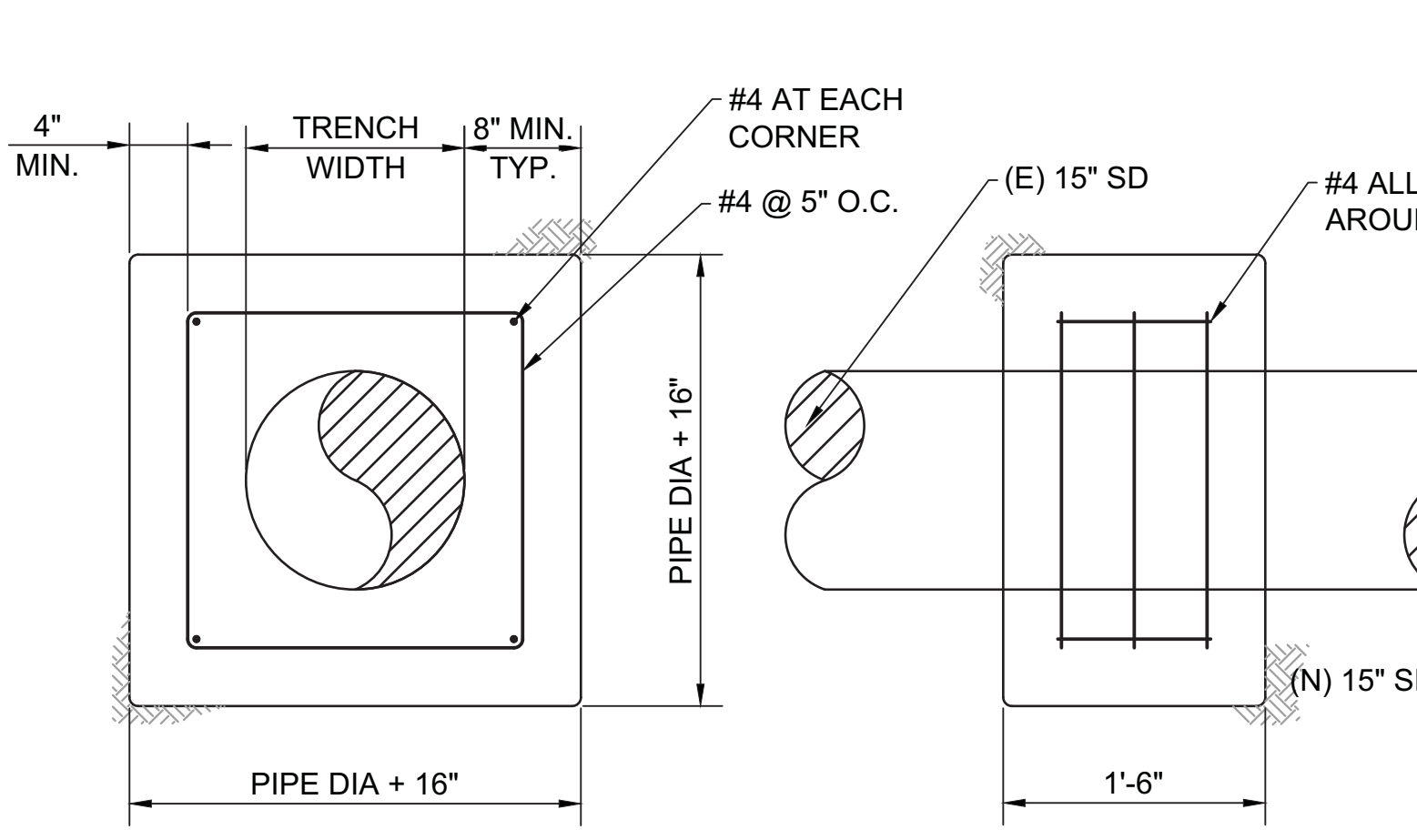
A STAGE CONSTRUCTION PLAN
C-3.3 SCALE: 1" = 20'



- 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.



G 3" CURB WITH NO GUTTER
SCALE: N.T.S.



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

UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN	REQUIREMENTS FOR CONCRETE CURB, GUTTER, SIDEWALK, DRIVEWAY AND OTHER "FLATWORK"	REV.	DATE	BY	MAY 2008 DWG. NO. 100
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UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN	CURB, GUTTER AND SIDEWALK DETAILS	REV.	DATE	BY	MAY 2008 DWG. NO. 105
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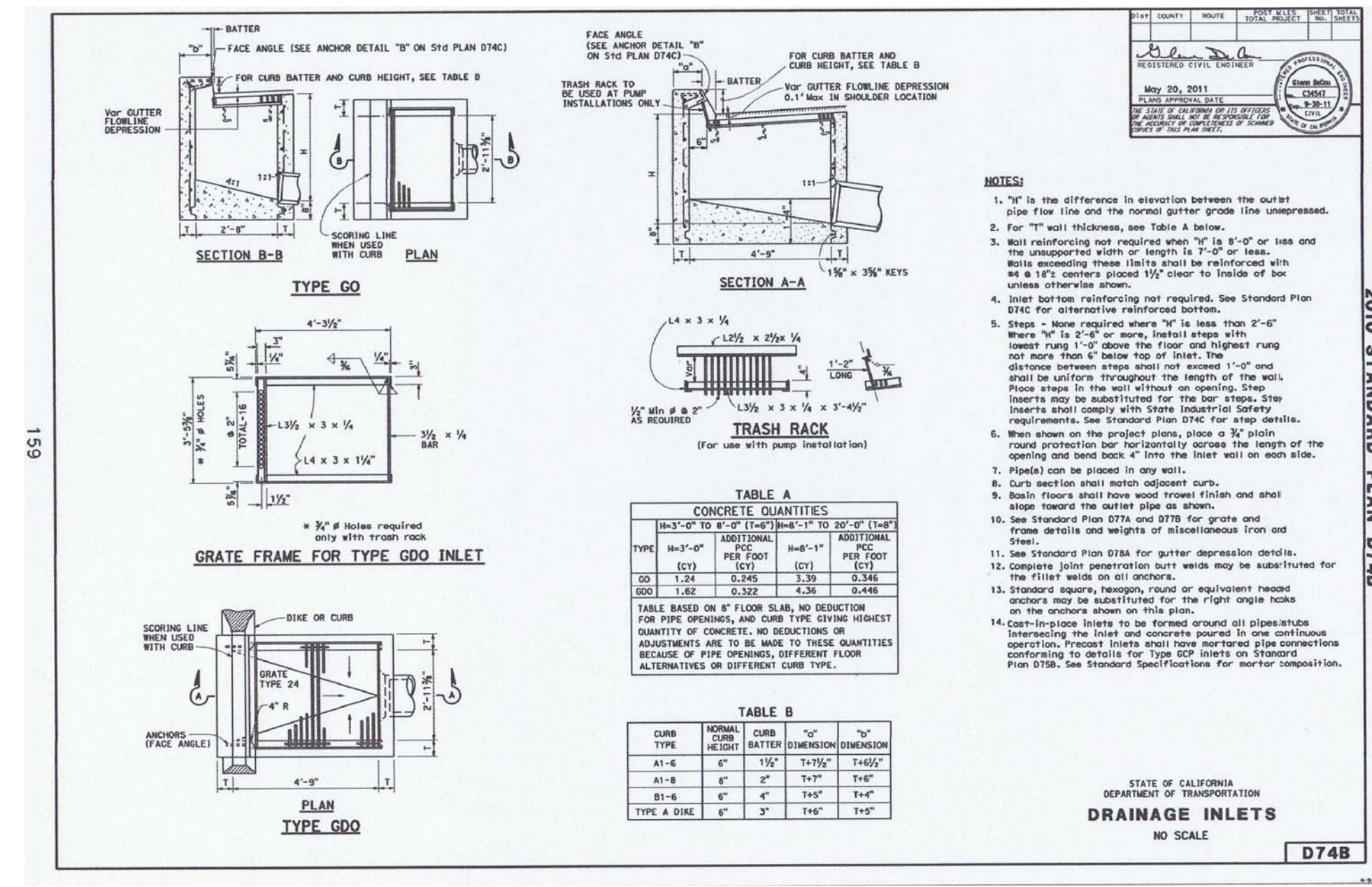
UNIFORM STANDARDS ALL CITIES AND COUNTY OF MARIN	MONUMENTS	REV.	DATE	BY	MAY 2008 DWG. NO. 300
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A CURB, GUTTER, SIDEWALK, DRIVEWAY
AND OTHER FLATWORK DETAILS
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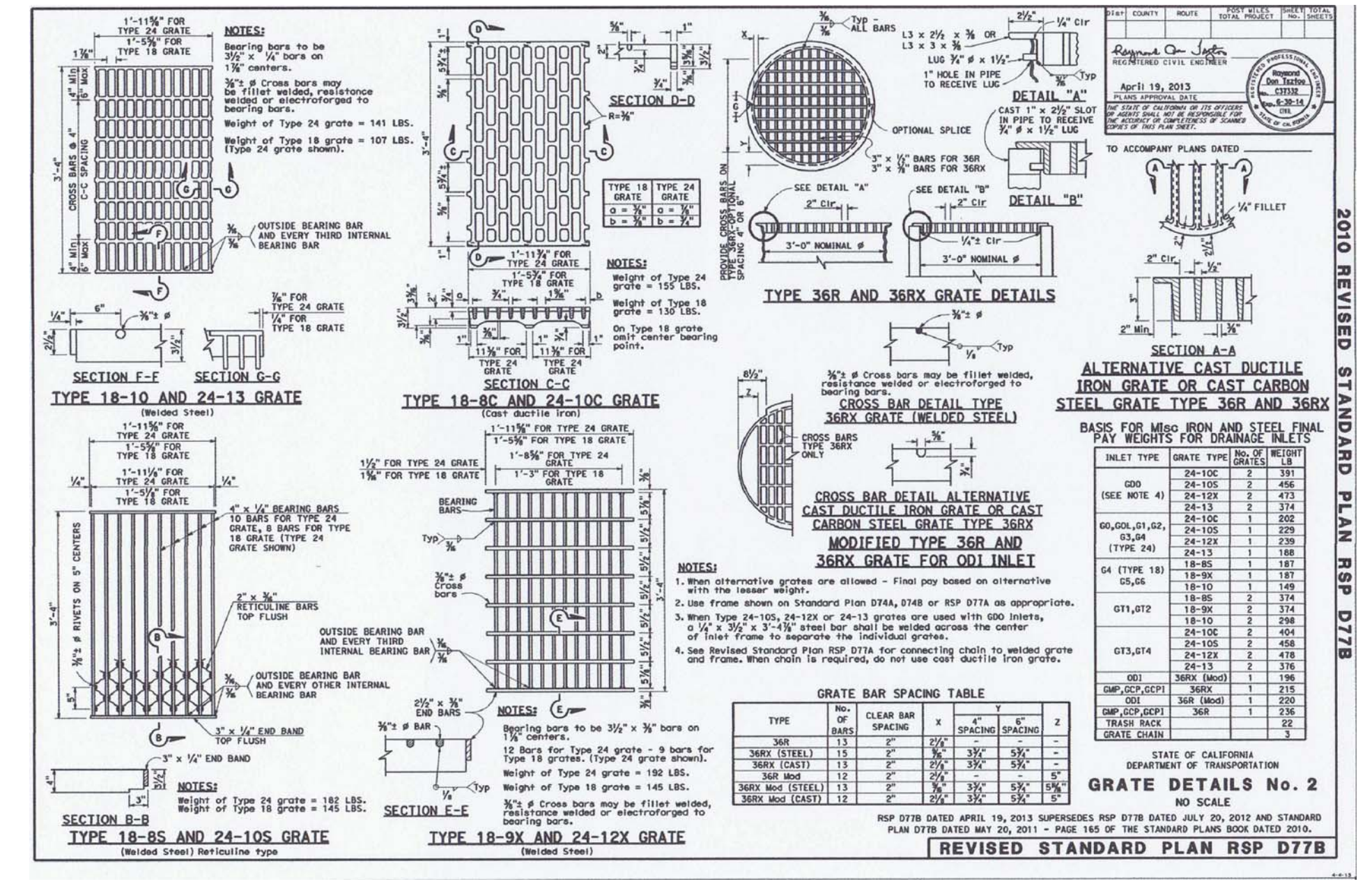
B CURB, GUTTER
AND SIDEWALK DETAILS
SCALE:

C MONUMENT DETAILS
SCALE:

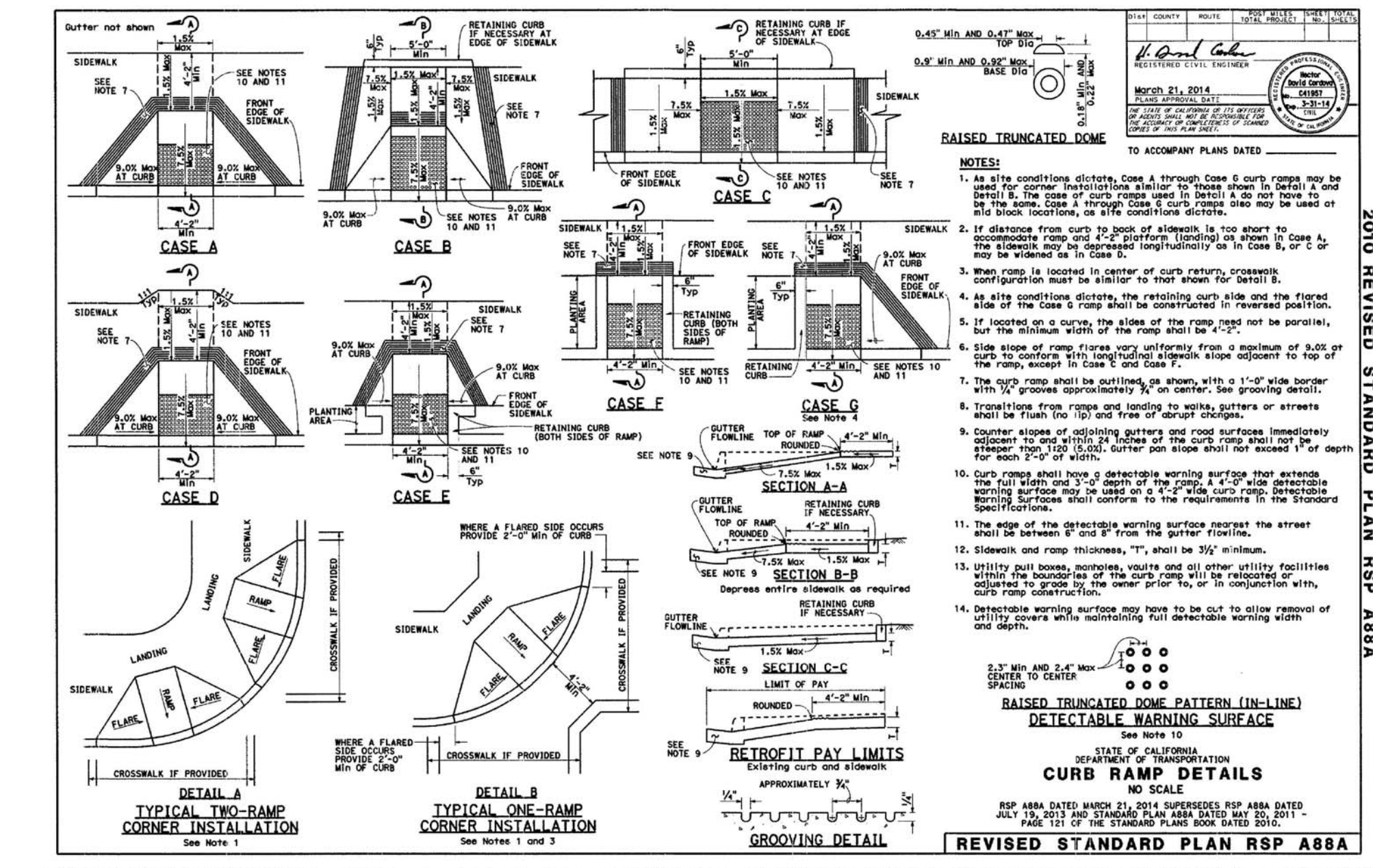
H STORM DRAIN COLLAR DETAIL
SCALE: N.T.S.



D DRAINAGE INLET DETAILS
SCALE:



E GRATE DETAILS
SCALE:



F CURB RAMP DETAILS
SCALE:

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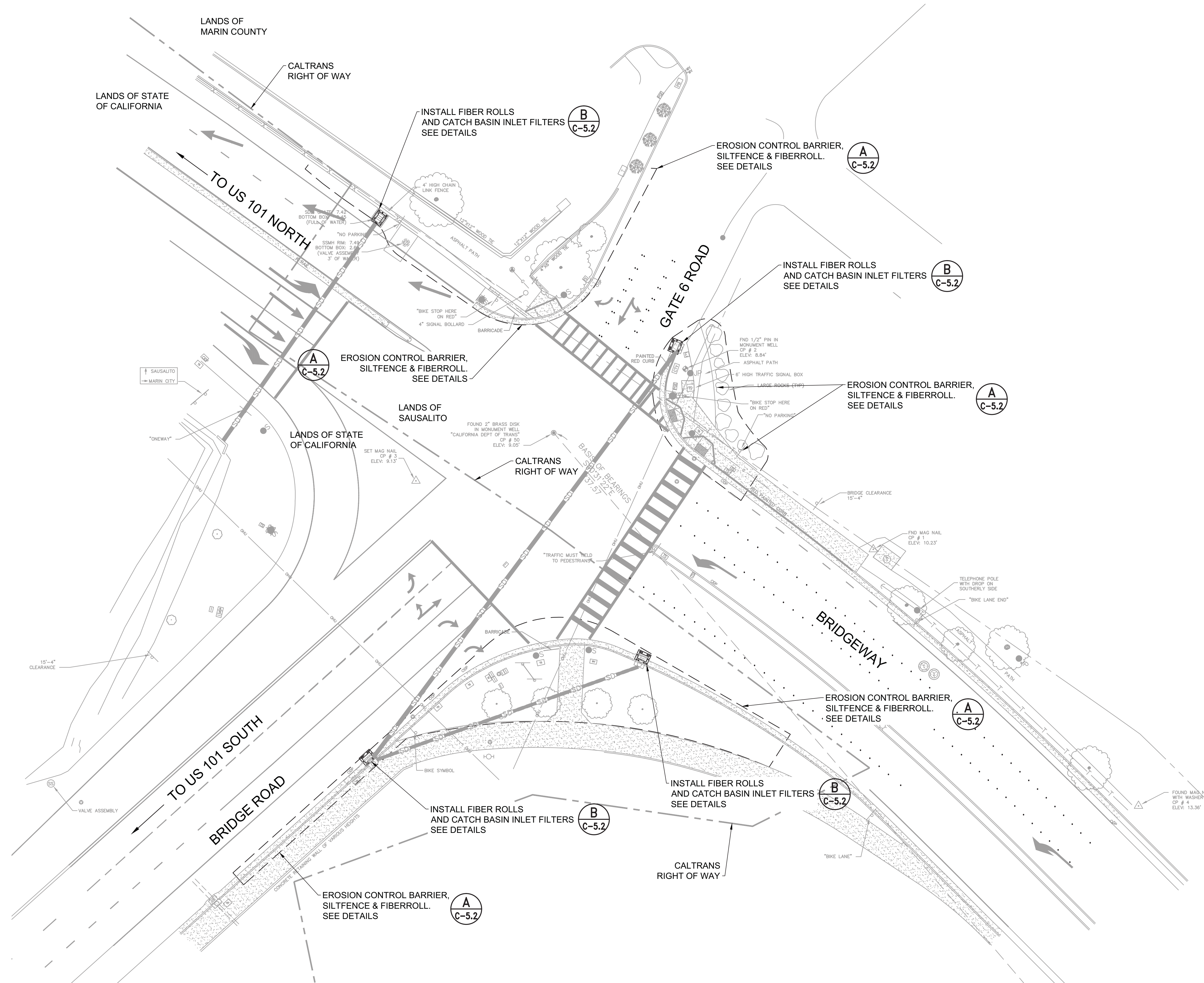


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**GATE 6 INTERSECTION
IMPROVEMENTS**
CIVIL DETAILS

DATE: 05/24/2016
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C-4.1



A
C-4.2 EROSION CONTROL
SCALE: 1" = 20'

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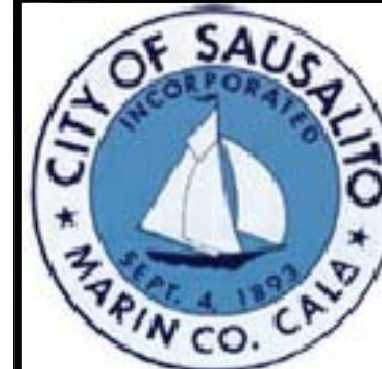
**GATE 6 INTERSECTION
IMPROVEMENTS**
EROSION CONTROL PLAN

DATE: 05/24/2016
SCALE: AS SHOWN
DRAWN BY:
PROJECT NO: CML5098(012)
SHEET

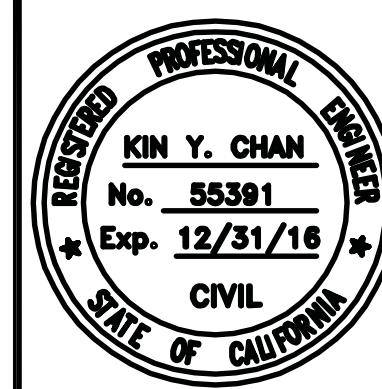
C-5.1

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GATE 6 INTERSECTION IMPROVEMENTS
 MODIFY EXISTING ELECTRICAL SYSTEM

DATE: 5/24/16

SCALE: NO SCALE

DRAWN BY: JG

PROJECT NO:

SHEET

E-1

19 OF 23 SHEETS

ELECTRICAL INDEX

- E-1 ELECTRICAL INDEX, NOTES, AND ABBREVIATIONS
- E-2 TO E-4 SIGNAL AND LIGHTING
- E-5 ELECTRICAL DETAILS

GENERAL NOTES

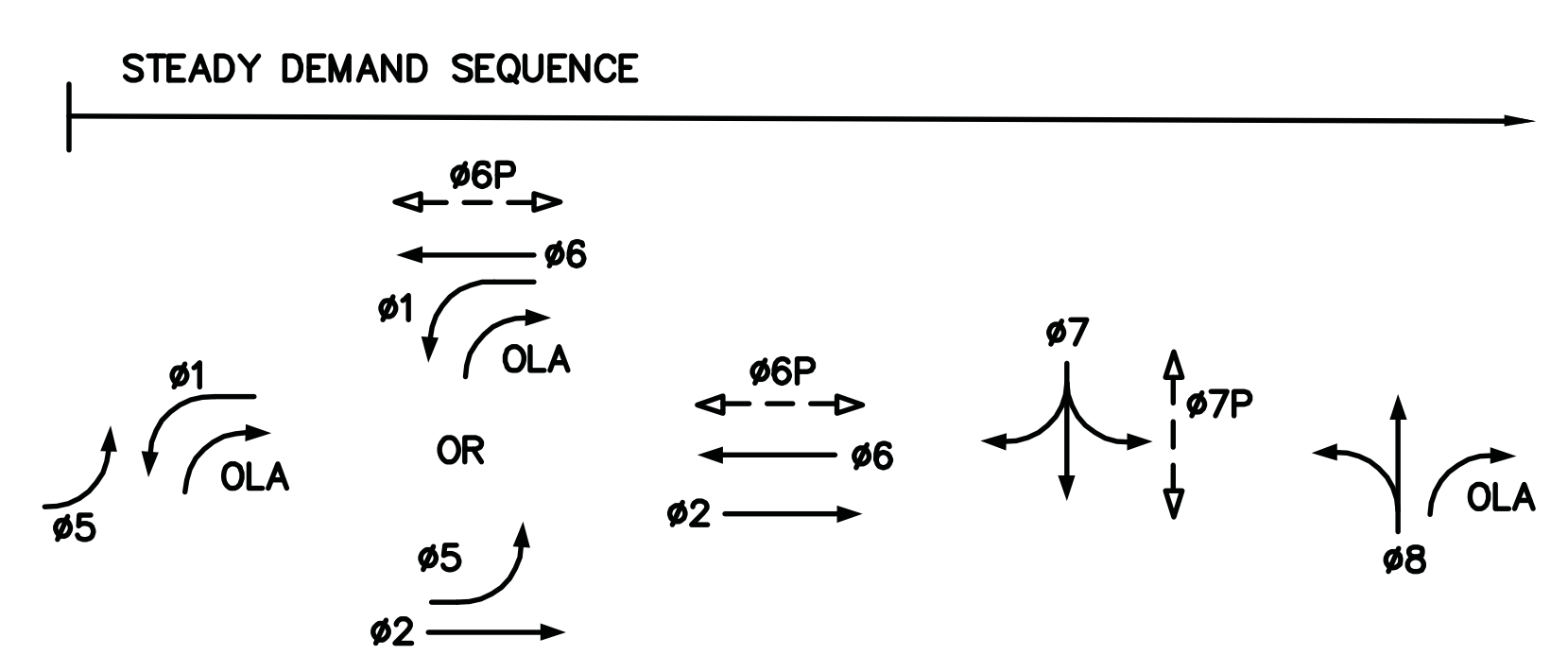
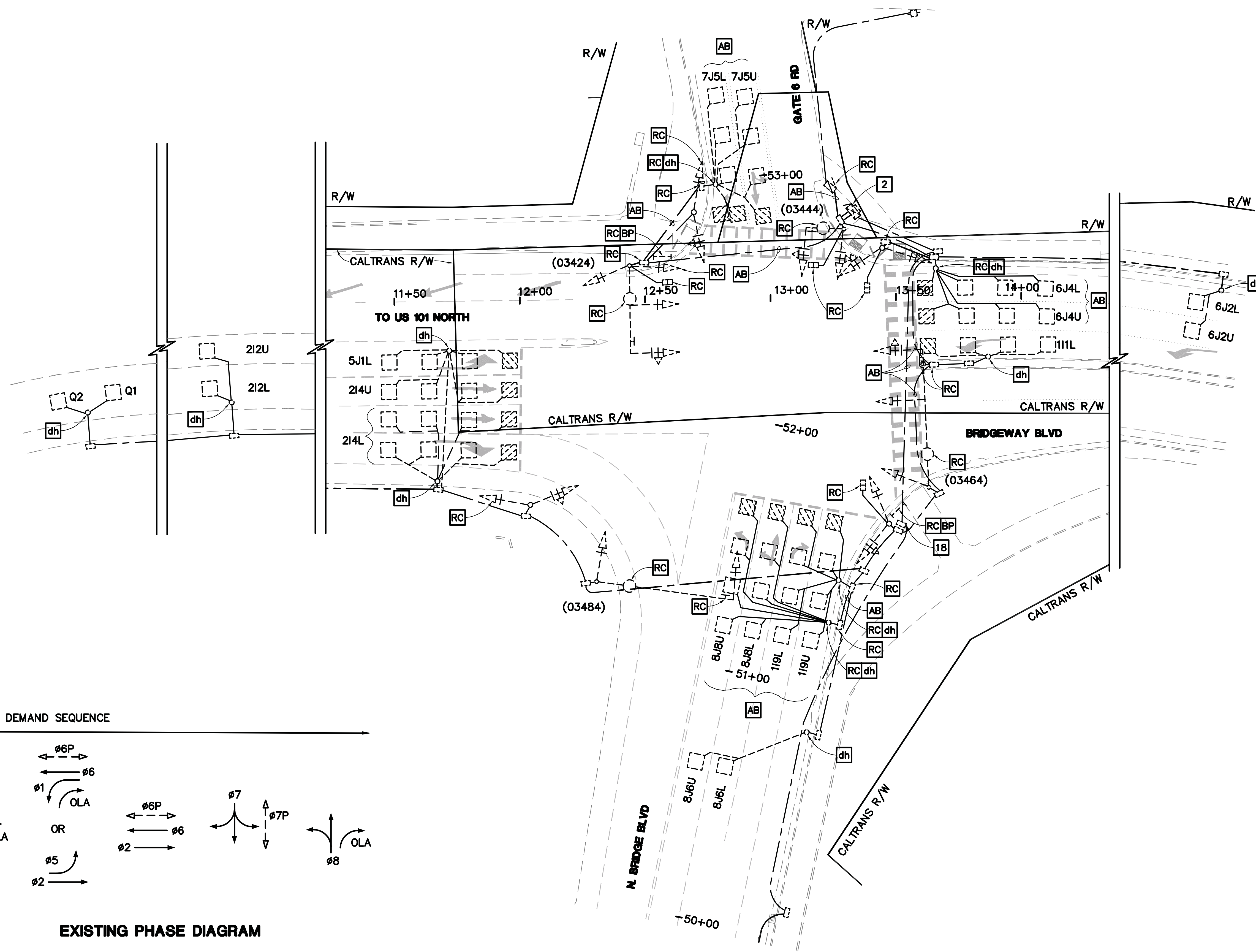
1. NO ABOVE GROUND ELECTRICAL WORK SHALL BE PERFORMED ON ANY SYSTEM WITHIN THE PROJECT SITE UNTIL ALL CONTRACTOR-FURNISHED ELECTRICAL MATERIALS FOR THAT INDIVIDUAL SYSTEM HAVE BEEN TESTED AND DELIVERED TO CONTRACTOR.
2. THE NEUTRAL CONDUCTOR SHALL RUN FROM THE SERVICE EQUIPMENT ENCLOSURE TO THE CONTROLLER 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 B ON SHEET E-4, "CONDUCTOR, POLE AND EQUIPMENT SCHEDULES".
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. THE CITY REPRESENTATIVE SHALL BE PRESENT DURING THE MARKING OF LOCATION OF POLES, CABINETS, DETECTOR LOOPS AND ETC.
10. R3-1 ACTIVATED BLANK OUT SIGN SHALL BE MANUFACTURED BY MCCAIN, SIGN TECHNOLOGIES, TAPCO TRAFFIC AND PARKING CONTROL COMPANY OR APPROVED EQUAL.

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

PROJECT NOTES

- 1 FURNISH AND INSTALL TYPE III-AF SERVICE EQUIPMENT ENCLOSURE.
- 2 **RS** MODEL 170E CONTROLLER UNIT. INSTALL STATE-FURNISHED MODEL 2070 CONTROLLER UNIT IN EXISTING MODEL 332 CABINET. INSTALL DEPARTMENT-FURNISHED LOAD SWITCH FOR #3 BIKE PHASE AND ONE LOOP DETECTOR SENSOR UNIT FOR #7.
- 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 IN EXISTING CONDUIT RUN.
- 6 EXISTING 2°C, 1 SIC.
- 7 2°C, INSTALL EXISTING 1 SIC.
- 8 2°C, 2#10 (120V, R3-1 ACTIVATED BLANKOUT SIGN).
- 9 **RC** EXISTING NON-ADA PBA. INSTALL NEW APS.
- 10 FURNISH AND INSTALL R3-1 ACTIVATED BLANKOUT 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, 7 DLC. REMOVE 7 DLC. ADD 8 DLC.
- 14 EXISTING 2°C, 3#2 (120/240V, SERVICE).
- 15 EXISTING 1°C, 1 DLC. REMOVE 1 DLC. ADD 1 DLC.
- 16 EXISTING 3°C, 6 DLC. REMOVE 6 DLC. ADD 6 DLC.
- 17 2°C, 3 DLC.
- 18 PULL EXISTING SIC FROM THE EXISTING CONTROLLER CABINET TO THIS PULL BOX. REINSTALL AFTER THE INSTALLATION OF NEW CONDUITS.
- 19 2°C, 4 DLC.
- 20 2°C, 2#6 (120V, CONTROLLER), 2#8 (240V, LIGHTING), 3#14 (120V, PEU).
- 21 2°C, 3#2 (120/240V, SERVICE).
- 22 **RC** 3-SECTION VEHICLE SIGNAL HEAD (8"). INSTALL 3-SECTION VEHICLE SIGNAL HEAD (12").
- 23 2°C, 1 DLC.
- 24 EXISTING 2°C, INSTALL EXISTING 1 SIC.



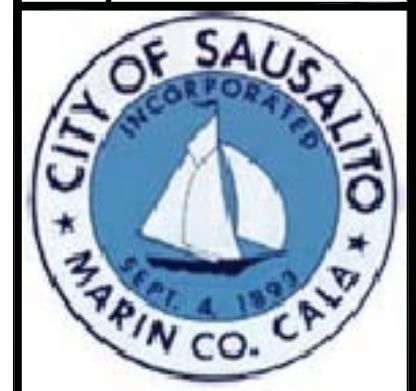
EXISTING PHASE DIAGRAM

EXISTING SIGNAL AND LIGHTING

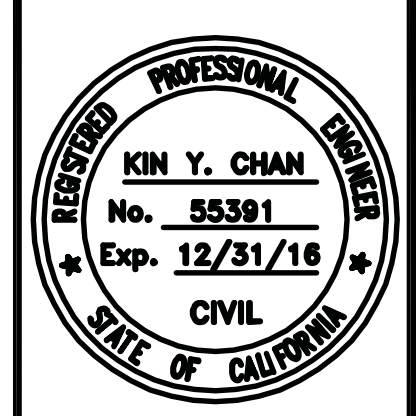
FOR NOTES, ABBREVIATIONS AND LEGEND,
SEE SHEET E-1

APPROVED FOR ELECTRICAL WORK ONLY

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GATE 6 INTERSECTION IMPROVEMENTS
MODIFY EXISTING ELECTRICAL SYSTEM

DATE: 5/24/16

SCALE: 1"=20'

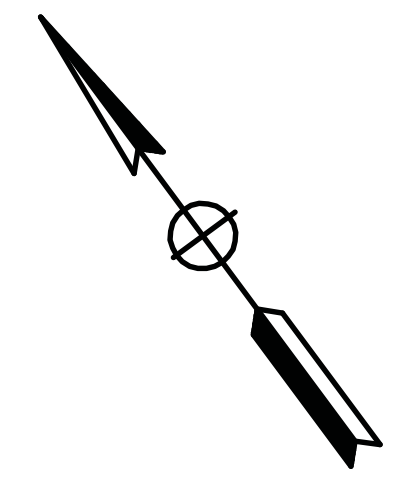
DRAWN BY: JG

PROJECT NO:

SHEET

E-2

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

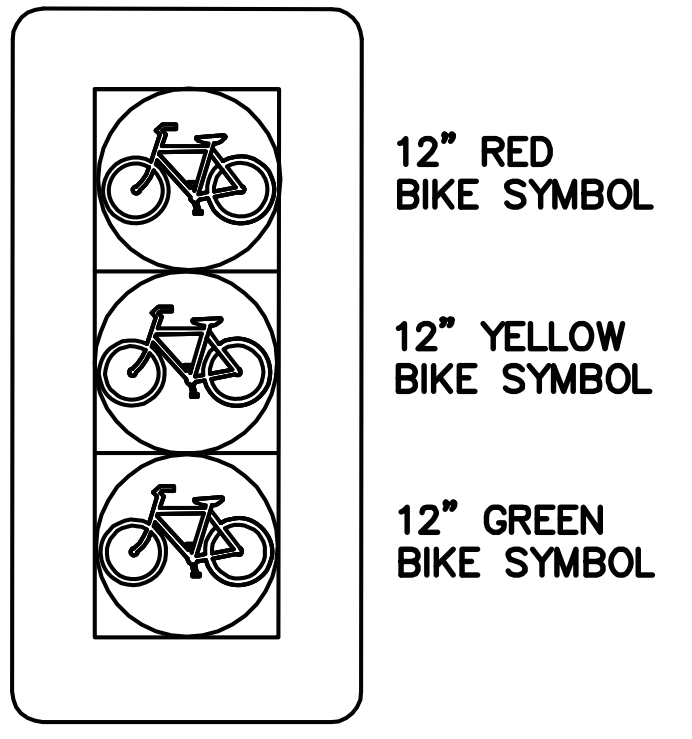
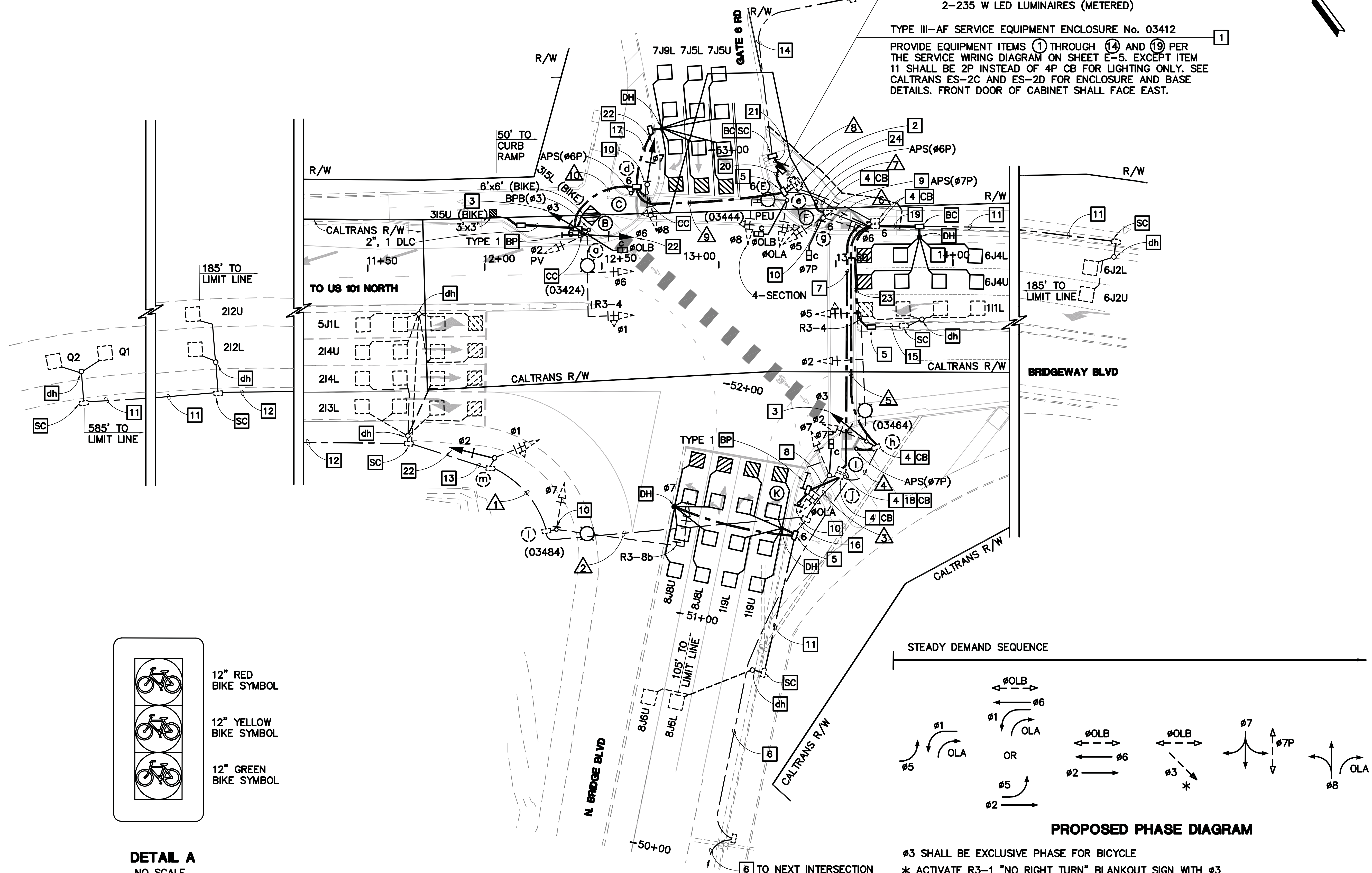


EXISTING SYSTEM NO. 27-101-03412 (PG&E)
TYPE H SERVICE (120/240 V)

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 ④ AND ⑯ PER THE SERVICE WIRING DIAGRAM ON SHEET E-5. EXCEPT ITEM 11 SHALL BE 2P INSTEAD OF 4P CB FOR LIGHTING ONLY. SEE CALTRANS ES-2C AND ES-2D FOR ENCLOSURE AND BASE DETAILS. FRONT DOOR OF CABINET SHALL FACE EAST.



DETAIL A
NO SCALE

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

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

MODIFY SIGNAL AND LIGHTING
APPROVED FOR ELECTRICAL WORK ONLY

REVISIONS



420 Litho St.
Sausalito CA 94965
415-289-4113 tel.



GATE 6 INTERSECTION IMPROVEMENTS
MODIFY EXISTING ELECTRICAL SYSTEM

DATE: 5/24/16

SCALE: 1"=20'

DRAWN BY: JG

PROJECT NO:

SHEET

E-3

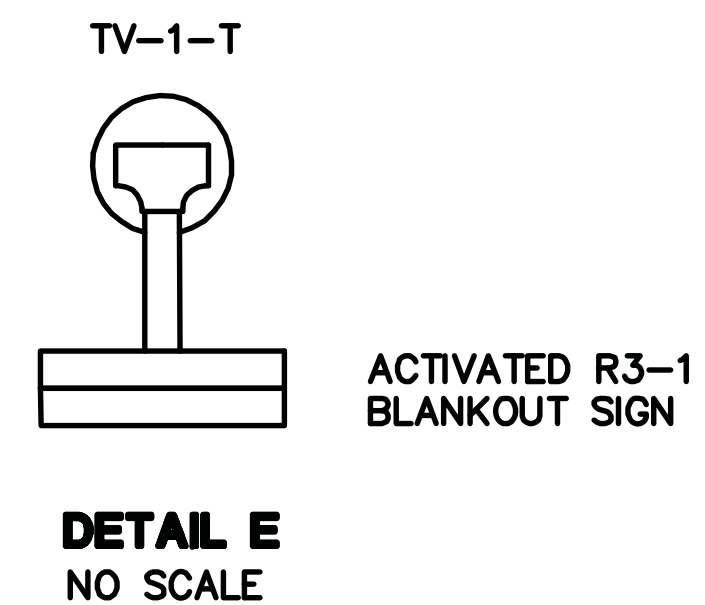
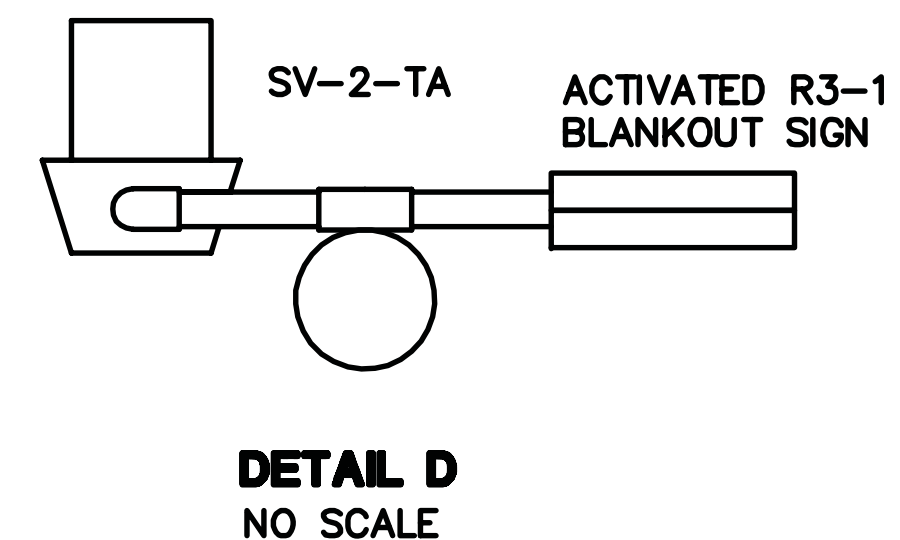
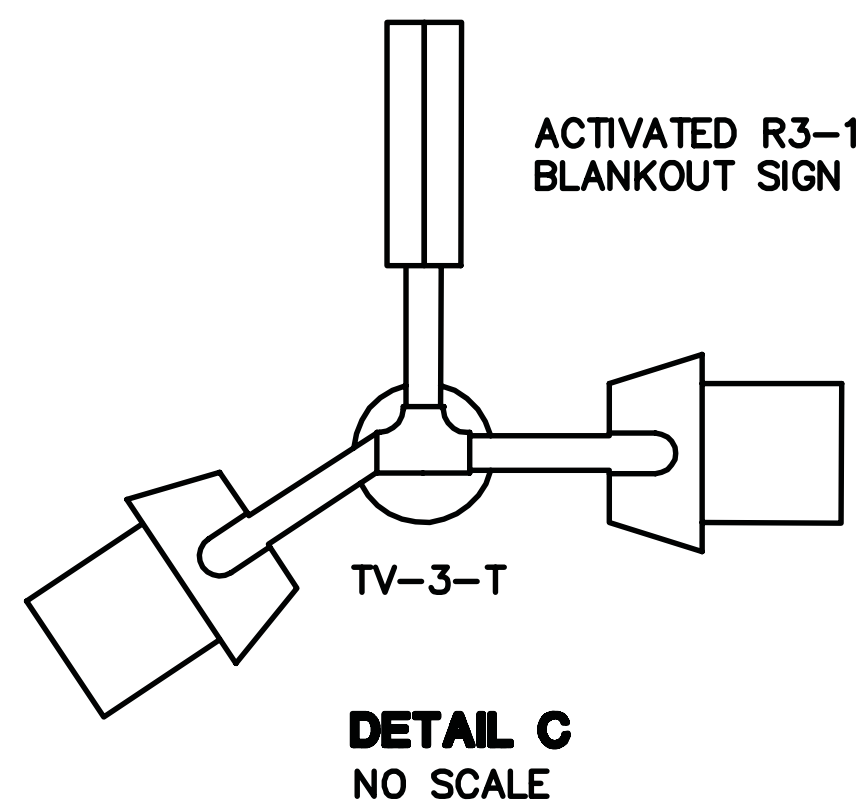
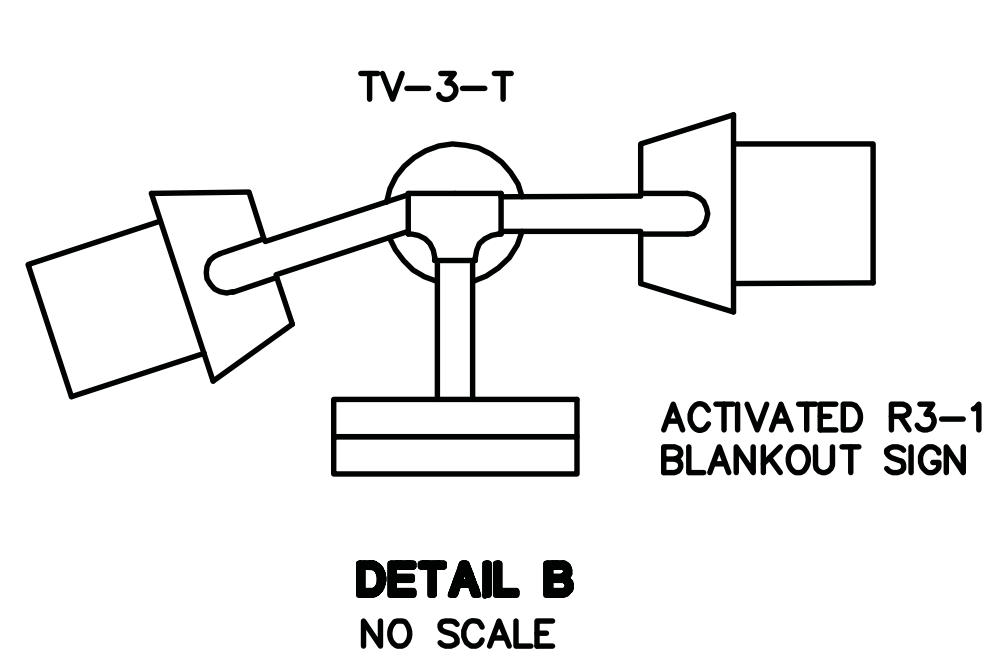
21 OF 23 SHEETS

CONDUIT AND CONDUCTOR SCHEDULE										
CONDUCTOR SCHEDULE	CONDUIT RUN NUMBER									
	1	2	3	4	5	6	7	8	9	10
No. 14 CONDUCTORS										
ø1	3	3	3	3	3		3	6	3	3
ø2	3	3	3	3	3		3	6	3	3
ø3				3	3		3	6	3	3
ø5					3	3	6	6		
ø6					3	3	6	3	3	
ø7		3	3	3	3		3	6	3	
ø8								6	3	
øOLA				5	5		5	5		
øOLB								4	2	2
ø7P				2	2		2	2		
APS (ø6P)								4	2	
APS (ø7P)					2	2	2	2		
BPB (ø3)								2	2	2
PEU										
SPARE	3	3	3	3	3	3	3	6	3	3
TOTAL No. 14	9	12	12	22	27	11	33	67	27	19
No. 10 CONDUCTORS										
ACTIVATED BLANKOUT SIGN		2	2	2	2	2	2	4	2	
No. 8 CONDUCTORS										
LIGHTING (240V)		2	2	2	2		2		2	2
SIGNAL NEUTRAL	1	1	1	1	1	1	1	2	1	1
TOTAL No. 8	1	3	3	3	3	1	3	2	3	3
No. 6 CONDUCTORS										
CONTROLLER (120V)								2		
APS CABLE										
				1						1
LOOP DETECTOR LEAD-IN CABLE (DLC)										
Q1/Q2	2	2	2	2	2		2	2		
111L							1	1		
119U/119L				2	2	2	2	2		
212U/212L	2	2	2	2	2		2	2		
213L/214U/214L	3	3	3	3	3		3	3		
315L (BIKE) /315U (BIKE)								2	2	2
5J1L	1	1	1	1	1		1	1		
6J2U/6J2L							2	2		
6J4U/6J4L							2	2		
7J5U/7J5L/7J9L								3	3	
8J6U/8J6L				2	2	2	2	2		
8J8U/8J8L				2	2	2	2	2		
TOTAL LOOP DETECTOR LEAD-IN CABLE	8	8	14	14	14		19	24	5	2
EXISTING (E) / NEW (N)	E	E	E	E	N	E	E	N	N	N
CONDUIT SIZE (INCHES)	3	3	3	3	4	2	4	2-4"	3	2
% FILL	11	15	20	24	14	10	18	14	16	23

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				
(g)	EXISTING 24-3-70	35	15	MAS MAS	NEW SV-2-TA SV-1-T	SP-1-T				165W	SEE PROJECT NOTE [3] AND [22].	
(B)	PBA POST								3	←		
(C)	1-B (7')						6P	→				
(d)	EXISTING 1-B				NEW TV-3-T						SEE PROJECT NOTE [10] AND [22]. SEE DETAIL C ON THIS SHEET.	
(e)	EXISTING 19-3-70	15	12	MAS-4B	SV-1-T	SP-1-T				235W		
(F)	1-B (7')						6P	←				
(g)	EXISTING 1-B				NEW TV-3-T	SP-1-T	7P	←			SEE PROJECT NOTE [9] AND [10]. SEE DETAIL B ON THIS SHEET.	
(h)	EXISTING 29-5-70	55	15	MAS MAS	NEW SV-2-TB					165W	SEE PROJECT NOTE [3].	
(I)	1-B (7')						7P	←				
(J)	EXISTING 1-B				TV-2-T	SP-1-T						
(K)	1-B				TV-1-T						SEE PROJECT NOTE [10]. SEE DETAIL E.	
(L)	EXISTING 29-5-70	55	15	MAS	NEW SV-2-TA					235W	[RC] EXISTING R61-7 SIGN. [IS] R3-8b SIGN. SEE PROJECT NOTE [10]. SEE DETAIL D ON THIS SHEET.	
(m)	EXISTING 1-B				NEW TV-2-T						SEE PROJECT NOTE [22].	

* [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.

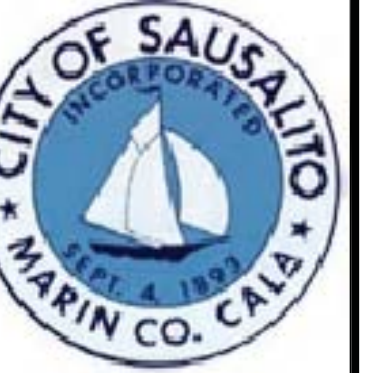


TRAFFIC SIGNAL CONDUCTORS FOR PHASE OVERLAPS SHALL BE DOUBLE STRIPED AS FOLLOWS:

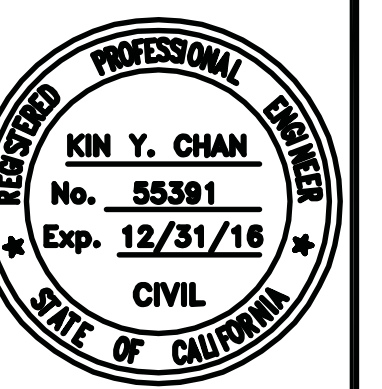
SIGNAL PHASE	BASE COLOR	DOUBLE STRIPE COLOR
OLA	RE, YE, BRN	BLACK/BLUE
OLB	RE, YE, BRN	BLACK/ORANGE
OLC	RE, YE, BRN	BLACK/PURPLE
OLD	RE, YE, BRN	BLACK/GRAY

DETAIL F

REVISIONS



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GATE 6 INTERSECTION
 IMPROVEMENTS
 MODIFY EXISTING ELECTRICAL SYSTEM

DATE: 5/24/16

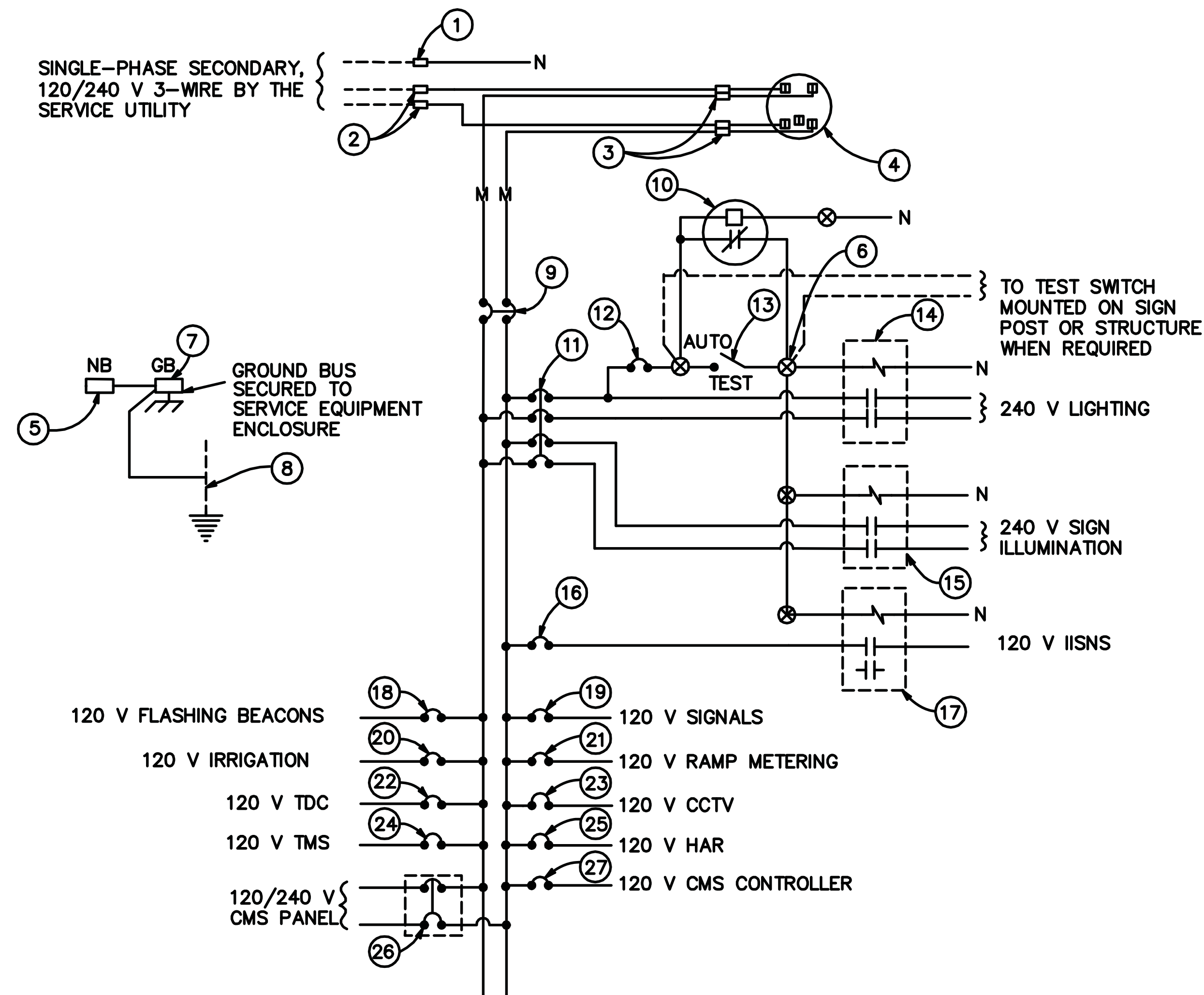
SCALE: 1"=20'

DRAWN BY: JG

PROJECT NO:

SHEET

E-4



120/240 V SERVICE WIRING DIAGRAM (TYPICAL)

NOTES: (FOR SERVICE EQUIPMENT)

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

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

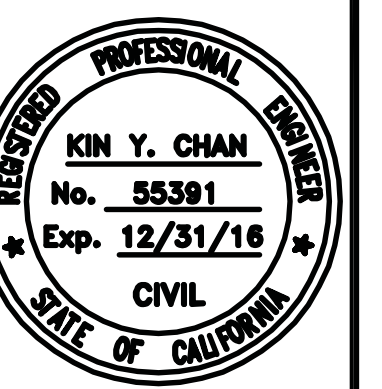
ITEM No.	COMPONENT	NAME PLATE DESCRIPTION	ITEM No.	COMPONENT	NAME PLATE DESCRIPTION
①	NEUTRAL LUG		⑮	30 A, 2P, NO CONTACTOR	
②	LANDING LUG		⑯	15 A, 120 V, 1P, CB	IISNS
③	TEST BYPASS FACILITY		⑰	30 A, 2P, NO CONTACTOR	
④	METER SOCKET AND SUPPORT		⑱	15 A, 120 V, 1P, CB	FLASHING BEACON
⑤	NEUTRAL BUS		⑲	50 A, 120 V, 1P, CB	SIGNALS
⑥	TERMINAL BLOCK		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, 4P, CB	LIGHTING AND SIGN ILLUMINATION	㉕	30 A, 120 V, 1P, CB	HAR
⑫	15 A, 120 V, 1P, CB	LIGHTING AND SIGN ILLUMINATION 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, NO CONTACTOR				

REVISIONS



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415-289-4113 tel.

Y&C
TRANSPORTATION CONSULTANTS, INC.
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827



GATE 6 INTERSECTION IMPROVEMENTS

MODIFY EXISTING ELECTRICAL SYSTEM

DATE: 5/24/16

SCALE: NO SCALE

DRAWN BY JG

PROJECT NO:

SHEET

E-5