

DIST	COUNTY	ROUTE	TOTAL PROJECT SHEETS	NO. SHEETS

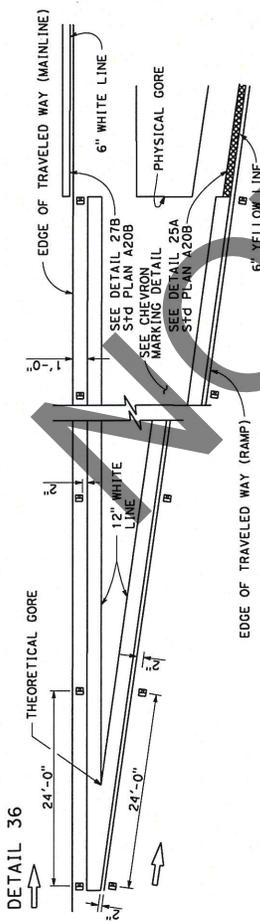
REGISTERED CIVIL ENGINEER
 YUN WONG
 No. CB2085
 Exp. 3-31-24
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER

MOY 1, 2023
 PLANS APPROVAL DATE

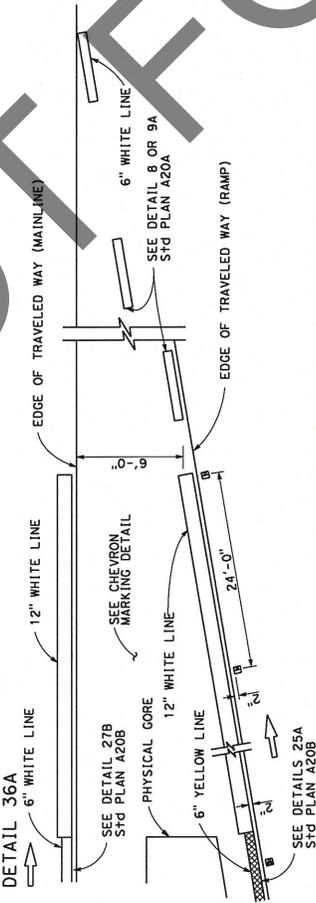
THE STATE OF CALIFORNIA OFFICE OF THE REGISTERED PROFESSIONAL ENGINEERS HAS REVIEWED THESE PLANS FOR THE ACCURACY AND COMPLETENESS OF THE INFORMATION SHOWN THEREON AND THE ACCURACY OF THE INFORMATION SHOWN THEREON IS THE RESPONSIBILITY OF THE ENGINEER.

NOTES:
 Install a minimum of 1 chevron in the gore area. If at least 1 chevron will not fit into the gore area, do not install chevrons. Terminate chevron markings at physical gore.
 Core area chevron pavement markings shown. For Exit and Entrance Ramp channelizing lines details, see Details 36, 36A, and 36B.

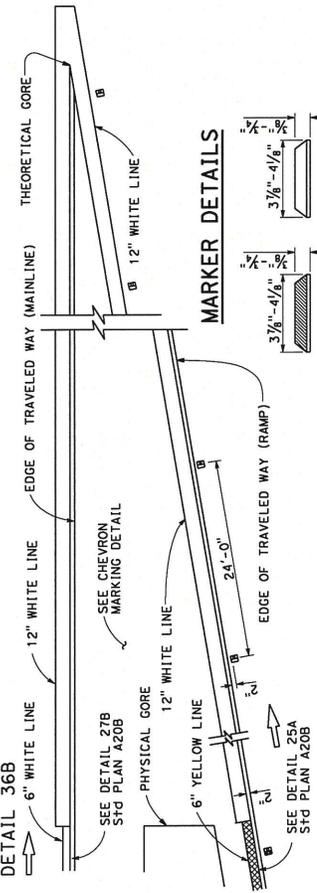
EXIT RAMP NEUTRAL AREA (GORE) TREATMENT



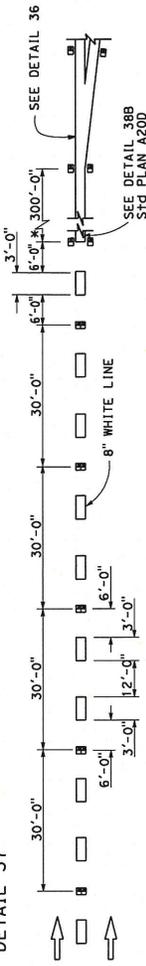
ENTRANCE RAMP NEUTRAL AREA (MERGE) TREATMENT



ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT

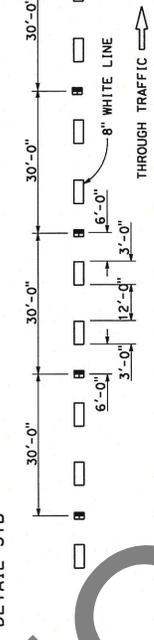


LANE DROP AT EXIT RAMP



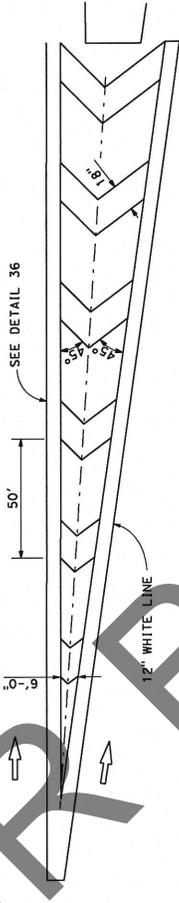
* The solid channelizing line shown may be omitted on short auxiliary lanes where weaving length is critical.
 DETAIL 37A DELETED

LANE DROP AT INTERSECTIONS

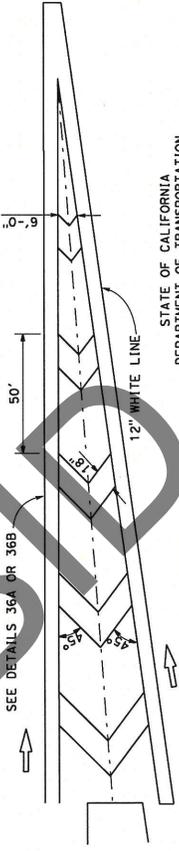


DETAIL 37C DELETED

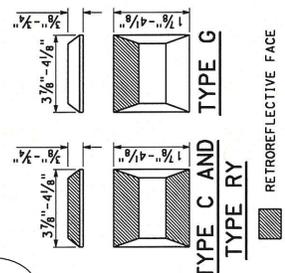
CHEVRON PAVEMENT MARKINGS AT EXIT RAMP GORE AREA



CHEVRON PAVEMENT MARKINGS AT ENTRANCE RAMP GORE AREA



MARKER DETAILS



- LEGEND:**
- ▬ TYPE C RED-CLEAR RETROREFLECTIVE MARKER
 - ▬ TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKER
 - ▬ TYPE RY RED-YELLOW RETROREFLECTIVE MARKER
 - ▬ RETROREFLECTIVE FACE

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKERS AND TRAFFIC LINES
TYPICAL DETAILS
 NO SCALE

A20C

Dist	COUNTY	ROUTE	POST MILES	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

MOY 1, 2023

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS SHALL NOT BE HELD LIABLE FOR THE ACCURACY OR COMPLETENESS OF ANY INFORMATION PROVIDED ON THIS PLAN SHEET.

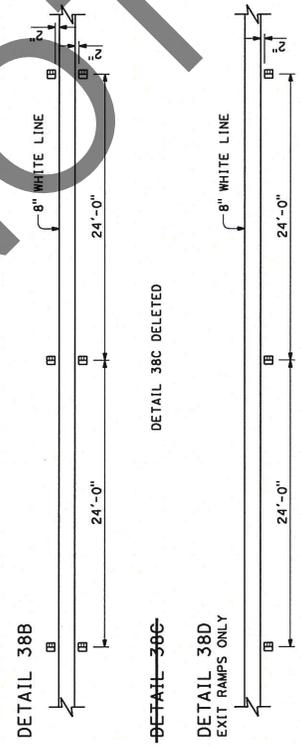
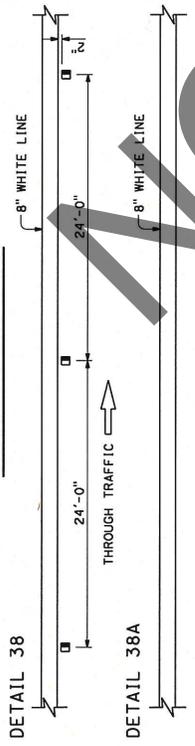
REGISTERED PROFESSIONAL ENGINEER

THEM 0609

NO. 53408

CIVIL

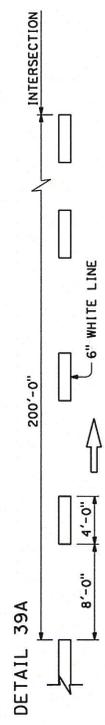
CHANNELIZING LINE



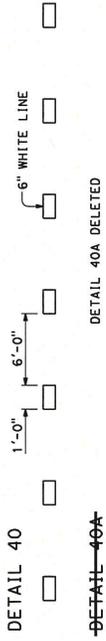
BIKE LANE LINE



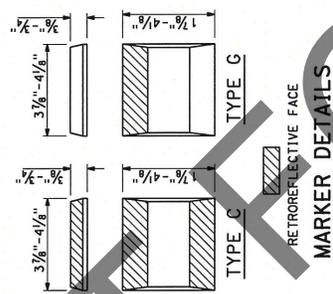
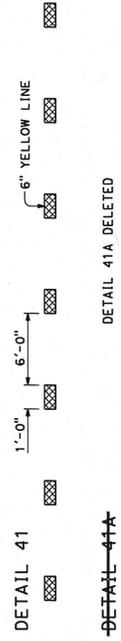
INTERSECTION LINE BIKE LANE



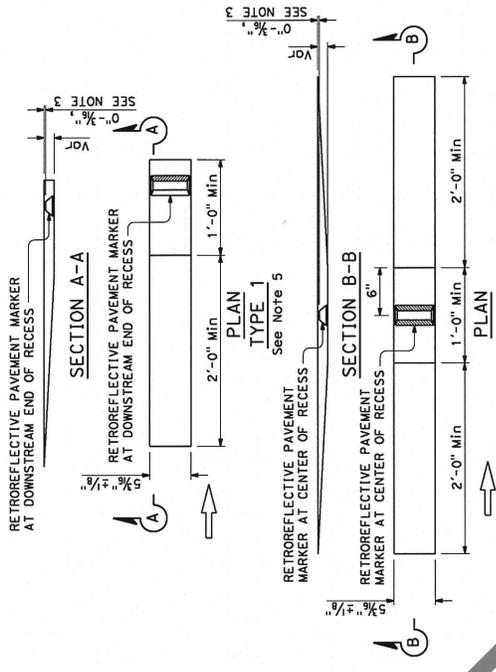
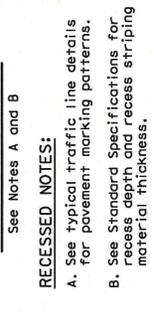
LANE LINE EXTENSIONS THROUGH INTERSECTIONS



CENTERLINE EXTENSIONS THROUGH INTERSECTIONS



DETAIL FOR RECESSED TRAFFIC STRIPE



- RECESSED MARKER NOTES:**
- See typical traffic line details for marker patterns to be used with recessed pavement markers.
 - The retroreflective pavement markers shown for recessed installations are not to be used for non-recessed installations.
 - The top of pavement markers installed in recesses shall be 0" to 1/8" below the pavement surface.
 - Use Type 1 recess for pavement markers with one-way retroreflective face. Use Type 2 recess for pavement markers with two-way retroreflective face.
 - For exit ramps, use Type 1 recess for Type R markers, with one-way retroreflective face. Use the orientation of the recess to place the marker at the upstream end of the recess.

RECESS DETAIL FOR RETROREFLECTIVE PAVEMENT MARKER FOR RECESSED INSTALLATION

See Notes 1 and 2

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS

NO SCALE

A20D

DIST	COUNTY	ROUTE	POST MILES	SHEET	TOTAL
			TOTAL PROJECT	NO.	SHEETS

REGISTERED CIVIL ENGINEER

MOY 1, 2023

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS

DO NOT ACCEPT ANY LIABILITY FOR THE DESIGN OR CONSTRUCTION

COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER

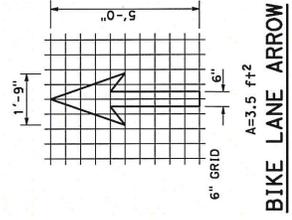
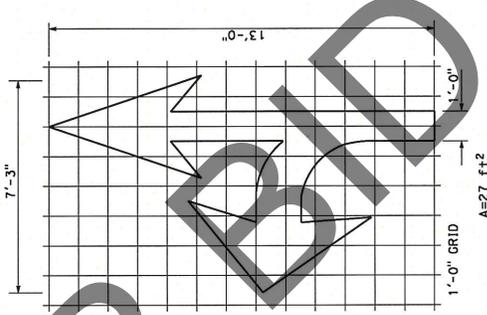
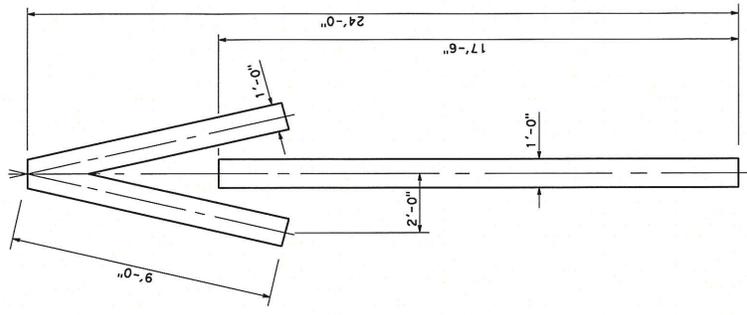
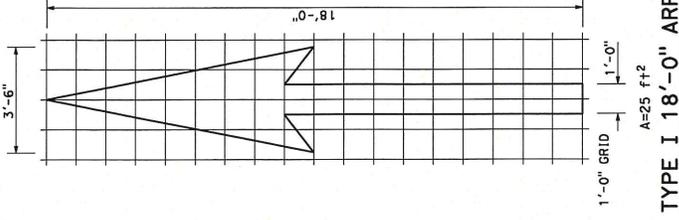
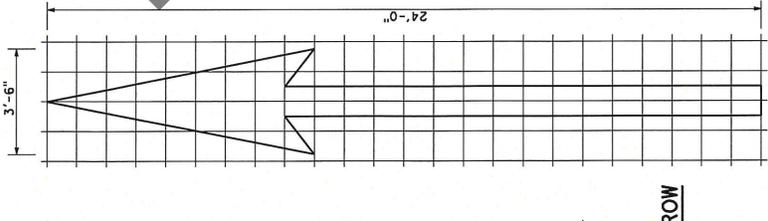
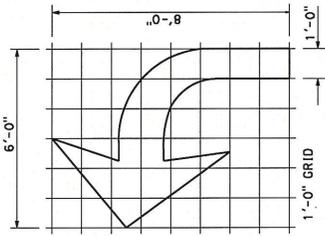
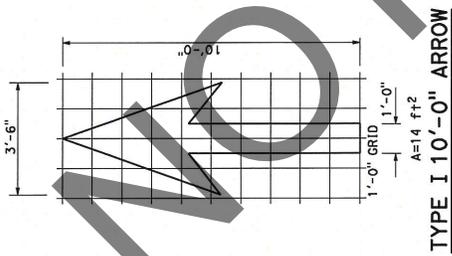
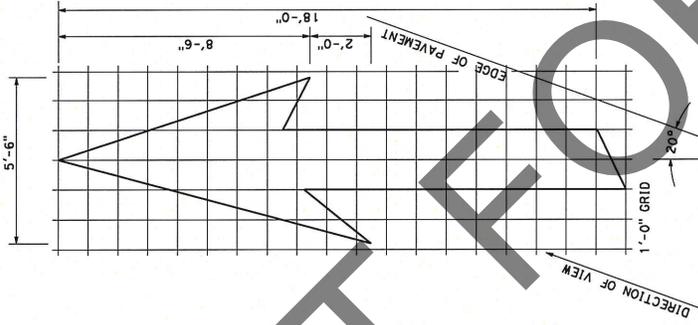
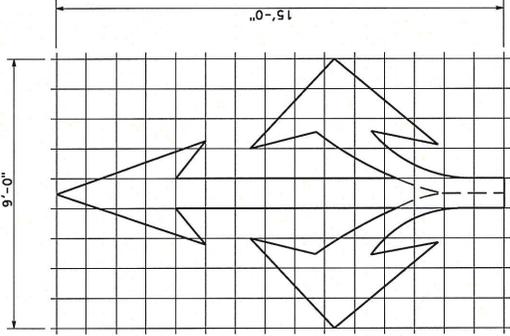
YIP WING

NO. CE0685

EXP. 3-31-24

CIVIL

STATE OF CALIFORNIA



NOTE:
Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
ARROWS**
NO SCALE

A24A

Dist	County	Route	Post Miles	Total Project	SHEET	TOTAL SHEETS

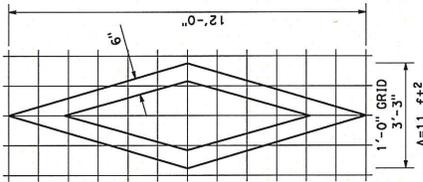
REGISTERED CIVIL ENGINEER
 The State of California
 No. 00000
 Exp. 03-31-24
 State of California
 REGISTERED PROFESSIONAL ENGINEER

PLANS APPROVAL DATE
 MAY 11, 2023

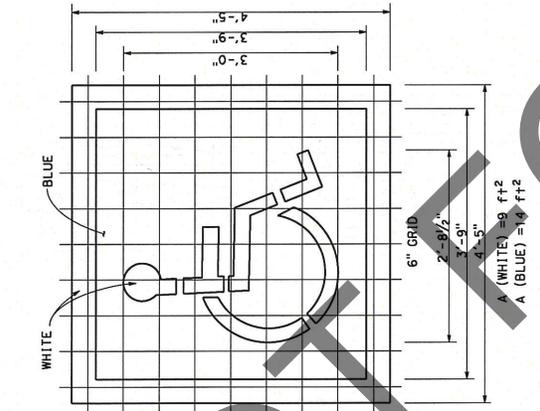
THE STATE OF CALIFORNIA OR ITS OFFICERS
 DOES NOT WARRANT THE ACCURACY OR
 COMPLETENESS OF THE INFORMATION,
 DATA, OR OPINIONS CONTAINED
 HEREIN OR THE RESULTS OF THEIR
 USE IN ANY MANNER.

NOTE:

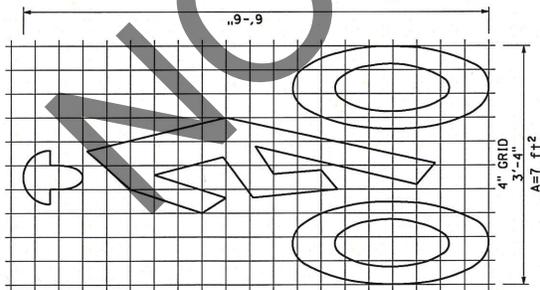
Minor variations in dimensions may be accepted by the Engineer.



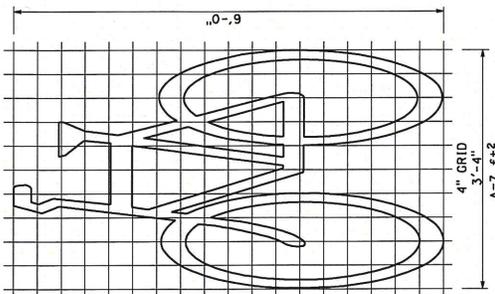
DIAMOND SYMBOL



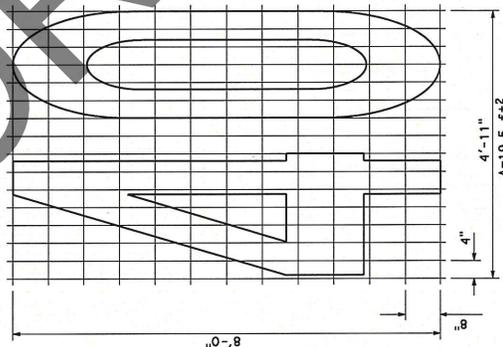
INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) MARKING



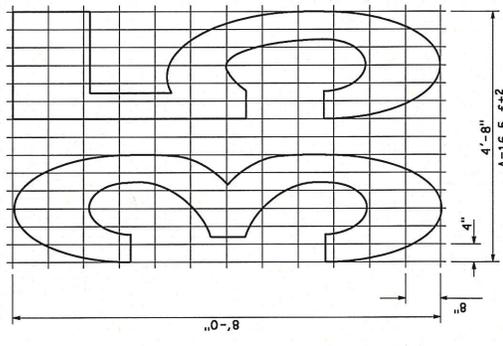
BIKE LANE SYMBOL WITH PERSON



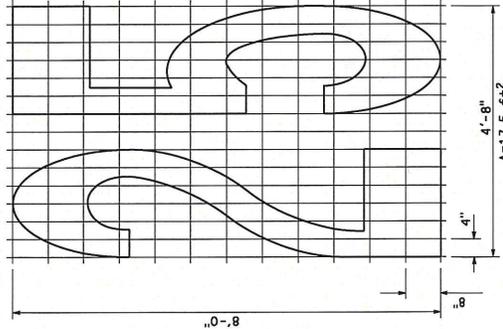
BIKE LANE SYMBOL WITHOUT PERSON



SHARED ROADWAY BICYCLE MARKING



BICYCLE LOOP DETECTOR SYMBOL



NUMERALS

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKINGS
 SYMBOLS AND NUMERALS**

NO SCALE

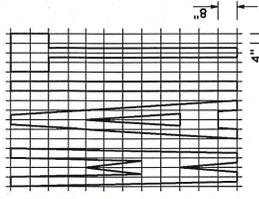
A24C

DIST	COUNTY	ROUTE	SHEET NO.	TOTAL SHEETS

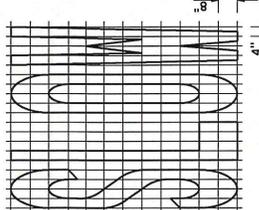
REGISTERED CIVIL ENGINEER

PROFESSIONAL ENGINEER & ARCHITECT
 PLAN NO. 2023
 APPROVAL DATE: MAY 31 2023
 CIVIL
 STATE OF CALIFORNIA

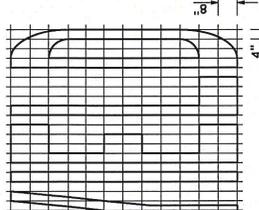
PLEASE APPROVAL DATE
 THE ENGINEER SHALL NOT BE RESPONSIBLE FOR
 THE ACCURACY OF THE INFORMATION CONTAINED
 HEREIN UNLESS IT IS SPECIFICALLY
 IDENTIFIED AS SUCH ON THIS PLAN SHEET.



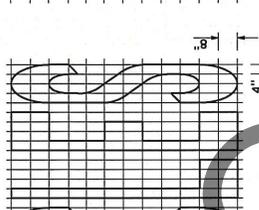
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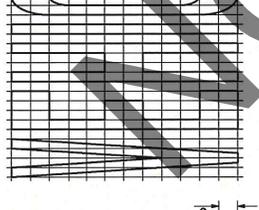
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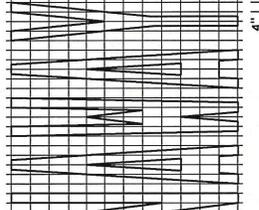
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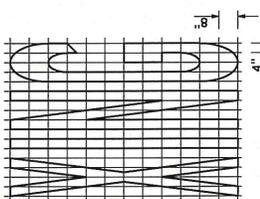
A=24 ft+2



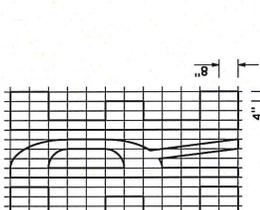
A=42 ft+2



A=43 ft+2



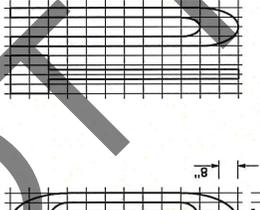
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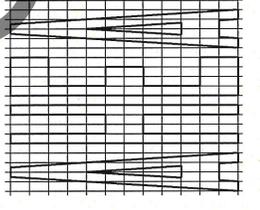
A=26 ft+2



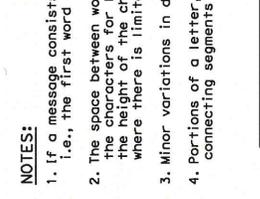
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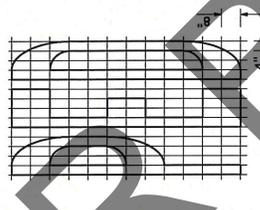
A=31 ft+2



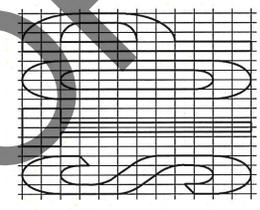
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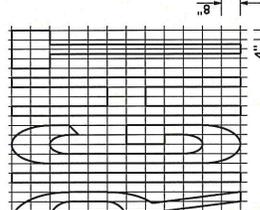
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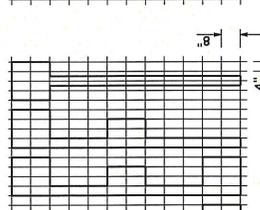
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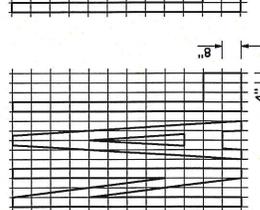
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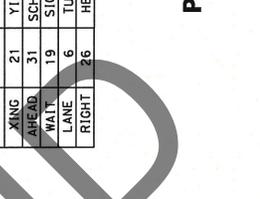
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A=32 ft+2



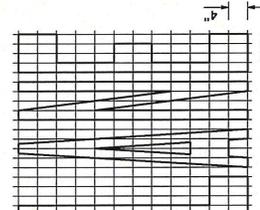
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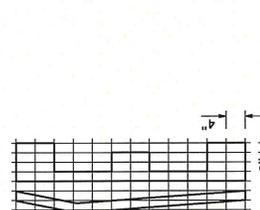
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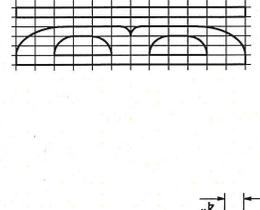
A=5 ft+2



A=5 ft+2



A=10 ft+2



A=10 ft+2

WORD MARKINGS

ITEM	f+2	ITEM	f+2	ITEM	f+2	ITEM	f+2
XING	21	YIELD	24	BIKE	5	PEDEST	18
AHEAD	31	SCHOOL	35	SLOW	23	COMPACT	10
WAIT	19	SIGNAL	32	STOP	22	RUNWAY	43
LANE	6	TURN	24	LEFT	19	VEHICLES	42
RIGHT	26	HERE	26				

NOTES:

- If a message consists of more than one word, it must read "up", i.e., the first word must be nearest the driver.
- The space between words must be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
- Minor variations in dimensions may be accepted by the Engineer.
- Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS
 WORDS
 NO SCALE

A 24D

Return to Table of Contents

DIST	COUNTY	ROUTE	POST MILES	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

Wayne

MOY 1, 2023

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS
 THE AUTHORITY OF COMPLETE RECORDS OF RECORDS
 COPIES OF THIS PLAN SHEET.

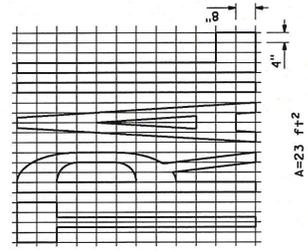
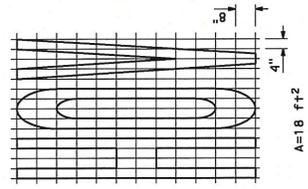
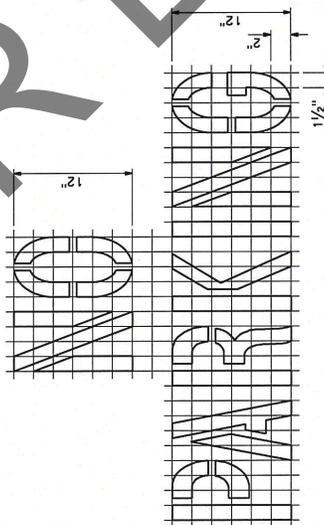
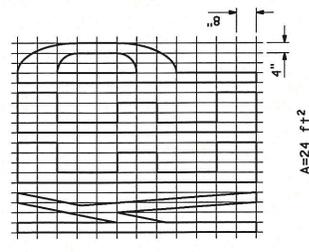
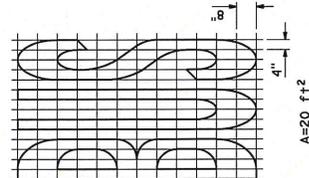
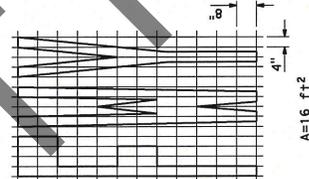
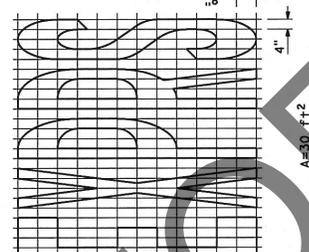
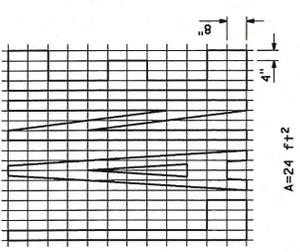
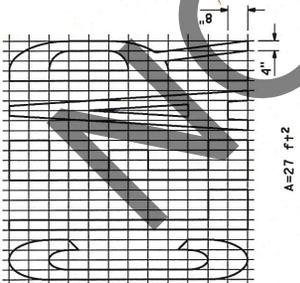
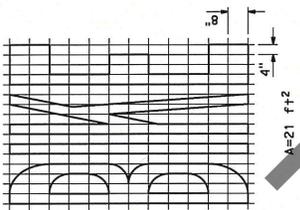
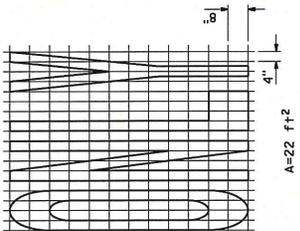
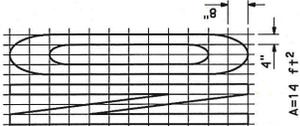
REGISTERED PROFESSIONAL ENGINEER

Yue Wang

NO. CEB085

PP. 3-31-24

STATE OF CALIFORNIA



NOTES:

1. If a message consists of more than one word, it must read "up", i.e., the first word must be nearest the driver.
2. The space between words must be at least four times the height of the characters for low speed applications. For more than one word, the height of the characters must be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number, or symbol may be separated by connecting segments not to exceed 2" in width.
5. The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
6. The words "NO PARKING" shall be painted in reflective white letters, painted on a reflective background and located so that it is visible to traffic enforcement officials.

WORD MARKINGS		
ITEM	SOFT	ITEM SOFT
LANE	24	NO 14
CLEAR	27	BIKE 21
KEEP	24	BUS 20
HOV	18	ONLY 22
TRAIL	23	FWY 16
EXPRS	30	

A=2 ft+2
See Notes 5 and 6

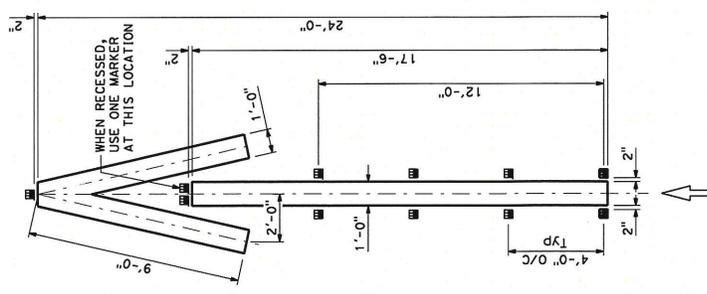
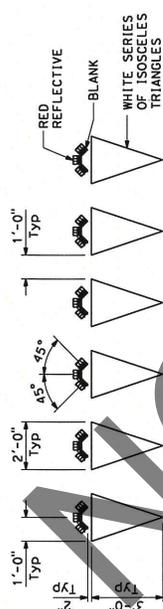
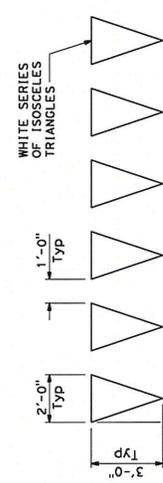
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS
WORDS
 NO SCALE

A24E

DIST	COUNTY	ROUTE	POST MILES - TOTAL PROJECT	SHEET TOTALS - NO. SHEETS

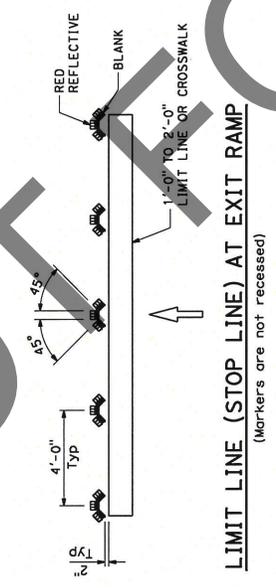
REGISTERED CIVIL ENGINEER
 [Signature]
 Your No. 00000
 Exp. 3-31-24
 CIVIL
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: MAY 1, 2023
 THE ACCURACY OF THIS PLAN SHEET IS THE RESPONSIBILITY OF THE ENGINEER. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL DIMENSIONS AND CONDITIONS BEFORE THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF ANY DIMENSIONS OR CONDITIONS NOT SHOWN ON THIS PLAN SHEET.



TYPE I ARROW AT EXIT RAMP
 A=33 f+t2

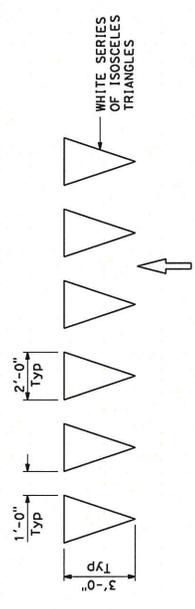
YIELD LINE AT EXIT RAMP
 (Markers are not recessed)



LIMIT LINE (STOP LINE) AT EXIT RAMP
 (Markers are not recessed)

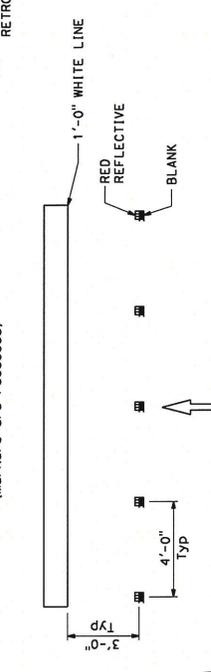
NOTE:
 1. If there is crosswalk at the end of the exit ramp, place Type R markers in front of the first line for wrong way vehicle that travels up the ramp with the red reflective side facing the intersection.

LIMIT LINE (STOP LINE)



YIELD LINE

YIELD LINE AT EXIT RAMP
 (Markers are recessed)



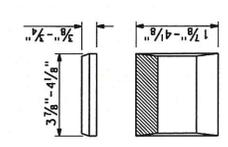
LIMIT LINE (STOP LINE) AT EXIT RAMP
 (Markers are recessed)



LEGEND:

■ TYPE R ONE-WAY RED RETROREFLECTIVE MARKER

□ 1'-0" WHITE LINE



MARKER DETAILS
 TYPE R

▨ RETROREFLECTIVE FACE ON BACKSIDE

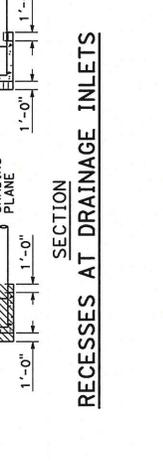
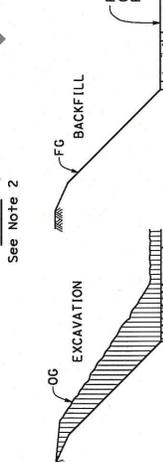
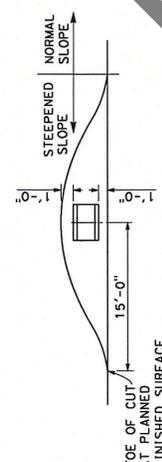
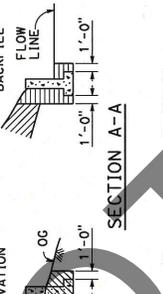
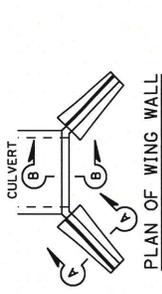
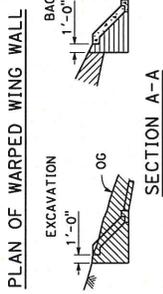
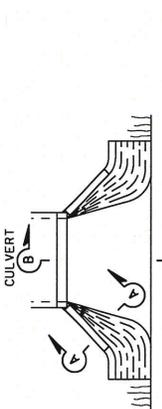
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS
YIELD LINES, LIMIT LINES
AND WRONG WAY DETAILS
 NO SCALE

A24G

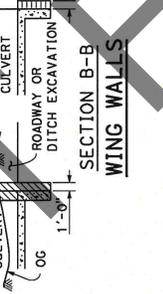
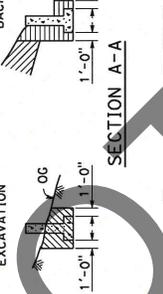
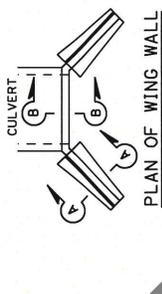
DIS+ COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

REGISTERED CIVIL ENGINEER
 MOY 1, 2023
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS
 THE ACCURACY OR COMPLETENESS OF DRAWINGS
 CONFORMS TO THIS PLAN SHEET.

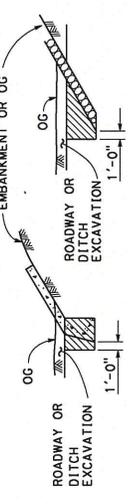
REGISTERED PROFESSIONAL ENGINEER
 Gary H. Moy
 No. 45262
 CIVIL
 STATE OF CALIFORNIA



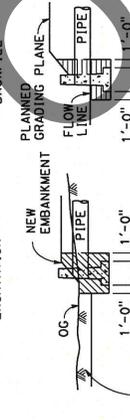
RECESSES AT DRAINAGE INLETS



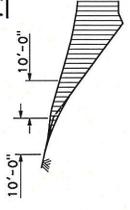
WING WALLS



SLOPE PROTECTION
See Note 3



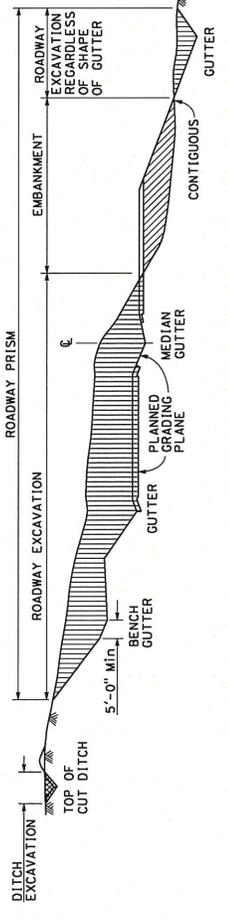
PIPE HEADWALLS



SLOPE ROUNDING



PAVED OR LINED DITCH



ROADWAY EXCAVATION - DITCH EXCAVATION

- LEGEND
- [Hatched pattern] STRUCTURE EXCAVATION
 - [Hatched pattern] STRUCTURE BACKFILL
 - [Hatched pattern] DITCH EXCAVATION
 - [Hatched pattern] SLOPE PROTECTION
 - [Hatched pattern] ROADWAY EXCAVATION
 - [Hatched pattern] ROADWAY EMBANKMENT

- NOTES:
- This drawing indicates the work to be done and limits of payment for:
 Roadway Excavation
 Ditch Excavation
 Structure Excavation for Slope Protection
 - Slopes and dimensions may vary to fit field conditions.
 - Top limit of structure excavation is original ground if ditch is not excavated.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**EXCAVATION AND BACKFILL
MISCELLANEOUS DETAILS**

NO SCALE

A62A

PROJECT COUNTY ROUTE POST MILEAGE TOTAL PROJECT SHEET NO. OF SHEETS

REGISTERED CIVIL ENGINEER

MOY 1, 2023

PLANS APPROVAL DATE

REG. NO. 41997

EXPIRES 3-31-24

THE ACCURACY OF THIS DRAWING IS THE RESPONSIBILITY OF THE DESIGNER. THE USER SHALL VERIFY THE ACCURACY OF THIS DRAWING BEFORE USING IT FOR ANY PURPOSE.

CURB QUANTITIES

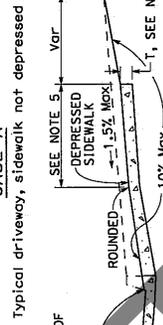
TYPE	CUBIC YARDS PER LINEAR FOOT
A1-6	0.02585
A1-8	0.03084
A2-6	0.05903
A3-6	0.06379
A3-8	0.01435
B1-4	0.02185
B1-6	0.02930
B2-4	0.05515
B2-6	0.06171
B3-4	0.00641
B3-6	0.01074
B4	0.05709
D-4	0.04083
D-6	0.06804
E	0.06661

TABLE A

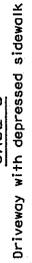
CURB TYPE	DIMENSIONS			
	"H1"	"H2"	"W1"	"W2"
A1-6	1'-2"	6"	7 1/2"	1 1/2"
A1-8	1'-4"	8"	8"	2"
A2-6	1'-0"	6"	2'-7 1/2"	1 1/2"
A2-8	1'-2"	8"	2'-8"	2"
A3-6	6"	5"	7 1/4"	1 1/4"
A3-8	8"	7"	7 3/4"	1 3/4"
B1-4	1'-0"	4"	7 1/2"	2 1/2"
B1-6	1'-2"	6"	9"	4"
B2-4	1'-0"	6"	2'-9"	4"
B2-6	1'-0"	6"	2'-9"	4"
B3-4	4"	3"	3"	2"
B3-6	6"	5"	8 1/2"	3 1/2"
D-4	10"	4"	1'-6"	1'-1"
D-6	1'-0"	6"	2'-2"	1'-9"



CASE A

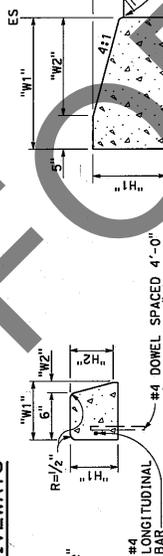


CASE B



SECTIONS

DRIVEWAYS



TYPE A1 CURBS

See Table A

TYPE A2 CURBS

See Table A

TYPE B1 CURBS

See Table A

TYPE A3 CURBS

Super-imposed on existing pavement. See Table A

TYPE B2 CURBS

See Table A

TYPE B3 CURBS

Super-imposed on existing pavement. See Table A

TYPE D CURBS

See Table A

TYPE B4 CURBS

See Table A

TYPE E CURB

See Table A

TYPE H CURB

On Bridges

NOTES:

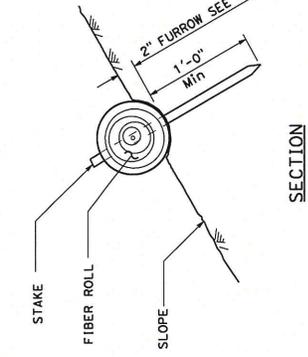
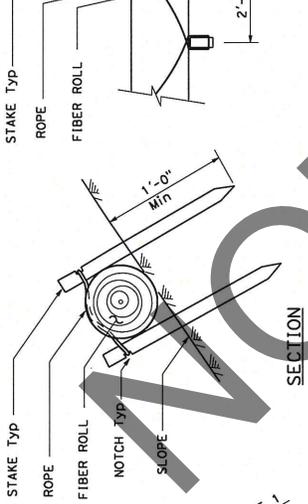
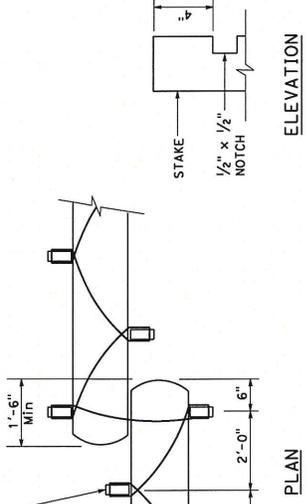
- Case A driveway section typically applies.
- X=3'-0" except for curb heights over 10" where 4:1 slopes shall be used on curb slopes.
- Sidewalk and ramp thickness "T" at driveway shall be 4" for residential and 6" for commercial.
- Difference in slope of the driveway ramp and the slope of a line between the gutter and a point on the roadway 5'-0" from gutter line shall not exceed 15%. Reduce driveway ramp slope, not gutter slope, where required.
- Minimum width of clear passageway for sidewalk shall be 4'-2".
- Retaining curbs and acquisition of construction easement may be necessary for narrow sidewalks or curb heights in excess of 6".
- Across the pedestrian route at curb ramp locations, the gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
CURBS AND DRIVEWAYS
NO SCALE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS
				NO. 1


 LICENSED LANDSCAPE ARCHITECT
 MOY 31, 2018
 PLANS APPROVAL DATE
 THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN ON THESE PLANS AND THE COMPLETENESS OF THE INFORMATION SHOWN ON THESE PLANS.

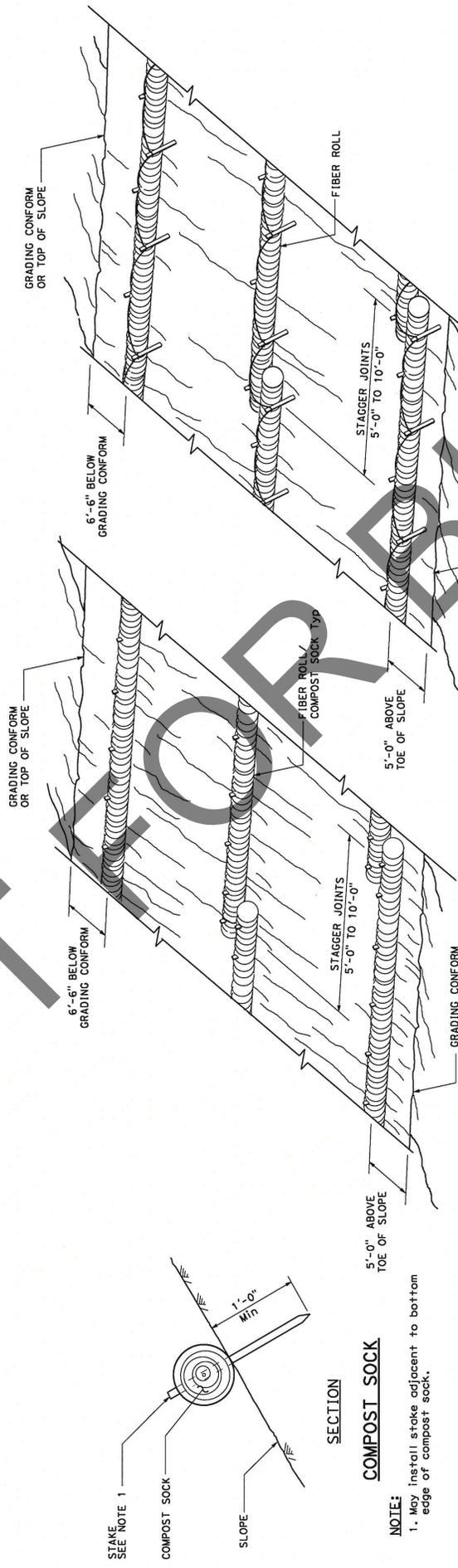
NOTE:
 1. Installations shown in the perspectives are for slope inclination of 10:1 (Horiz:Vert) and steeper.



STAKE NOTCH DETAIL

FIBER ROLL (TYPE 2)

FIBER ROLL (TYPE 1)



COMPOST SOCK

NOTE:
 1. May install stake adjacent to bottom edge of compost sock.

FIBER ROLL (TYPE 2)

FIBER ROLL (TYPE 1) COMPOST SOCK

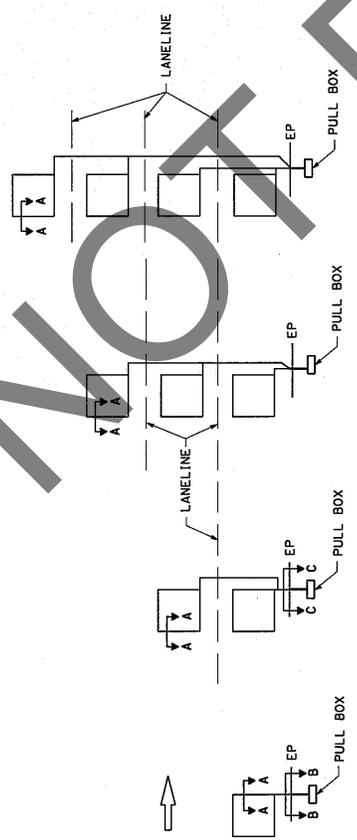
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
EROSION CONTROL DETAILS
FIBER ROLL AND COMPOST SOCK
 NO SCALE

H51

DIST.	COUNTY	ROUTE	POST MILES	SHEET NO.	TOTAL SHEETS

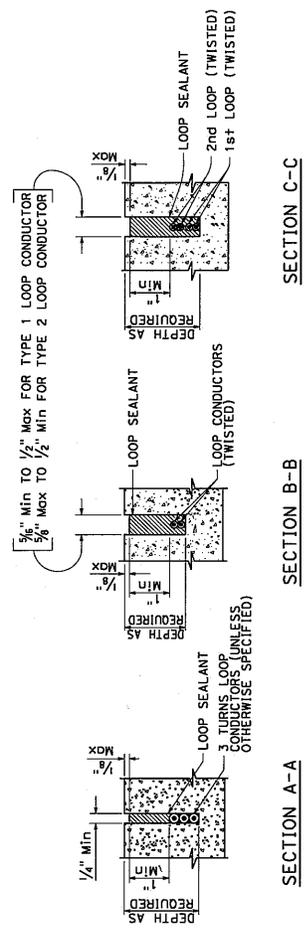
REGISTERED CIVIL ENGINEER
Omar Mando
 No. 517982
 Exp. 12-31-24
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: MAY 1, 2023
 I HAVE REVIEWED THESE PLANS AND I AM AWARE OF THE ACCURACY OF THE INFORMATION AND THE COMPLETENESS OF THE PLANS. I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY FOR THE ACCURACY OF THE INFORMATION OR THE COMPLETENESS OF THE PLANS.

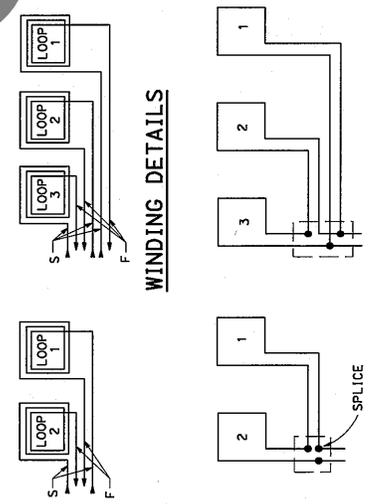


SAW CUT DETAILS

Type A loop detector configurations illustrated



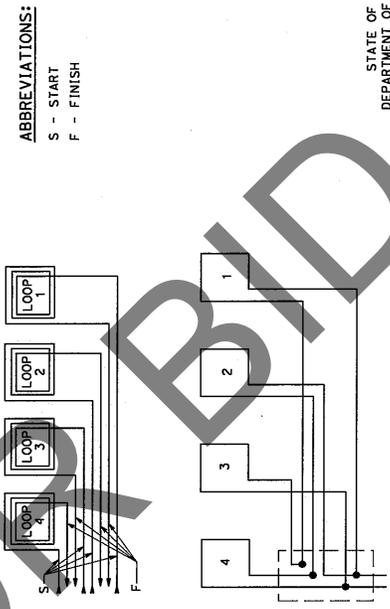
SLOT DETAILS - TYPE 1 AND TYPE 2 LOOP CONDUCTOR



WINDING DETAILS

TYPICAL LOOP CONNECTIONS

Dashed lines represent the pull box



ABBREVIATIONS:
 S - START
 F - FINISH

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
 (LOOP DETECTORS)**

NO SCALE