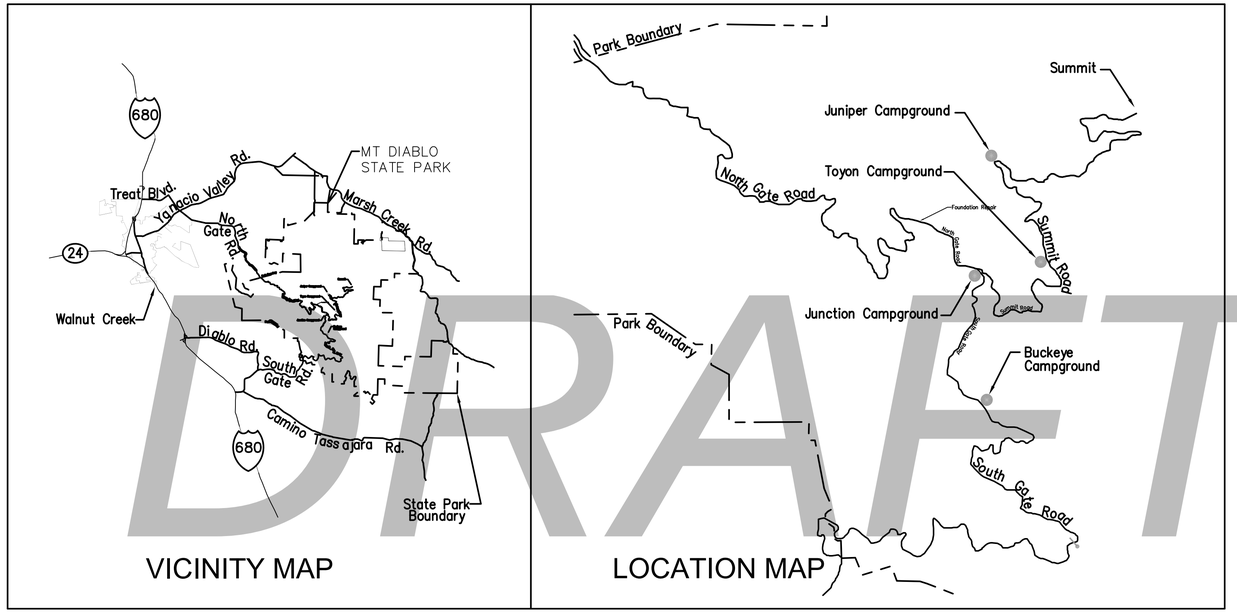
CALIFORNIA DEPARTMENT OF PARKS AND RECREATION
ACQUISITION AND DEVELOPMENT DIVISION

MT. DIABLO STATE PARK

ROADWAY SIGNING & STRIPING IMPROVEMENTS



VICINITY MAP | LOCATION MAP

DRAFT

GENERAL NOTES

1. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS (2015) AND ALL APPLICABLE ERRATA, AND THE 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2014 CA MUTCD).

2. THE CONTRACTOR SHALL REMOVE ALL EXISTING STRIPING, PAVEMENT MARKINGS AND MARKERS WHICH CONFLICT WITH NEW STRIPING, MARKINGS AND MARKERS AS INDICATED.

3. ALL CONSTRUCTION MATERIALS, SIGNS, WATERBORNE/THERMOPLASTIC PAINT, AND PAVEMENT MARKERS SHALL BE FURNISHED BY THE CONTRACTOR.

4. ALL NEW STRIPING, PAVEMENT LEGEND AND SYMBOL MARKINGS SHALL BE WATERBORNE PAINT OR THERMOPLASTIC, AS SELECTED BY THE STATE PARKS DEPARTMENT DURING THE BIDDING PROCESS. ALL NEW LIMIT LINE STRIPING SHALL BE 12" WHITE.

5. ALL SIGN CALL-OUTS ARE PER THE 2014 CA MUTCD. UNLESS OTHERWISE NOTED, SIZES FOR ALL NEW SIGNS SHALL BE STANDARD SIZES PER THE 2014 CA MUTCD AND THE 2004 STANDARD HIGHWAY SIGNS MANUAL, AND THE 2014 CALIFORNIA SIGN SPECIFICATIONS.

6. ALL SIGNS TO BE REMOVED SHALL BE REMOVED BY THE CONTRACTOR AND SALVAGED TO THE STATE PARK.

7. THE EXACT LOCATION OF ALL NEW SIGNS, STRIPING, AND PAVEMENT MARKINGS SHALL BE MARKED IN THE FIELD BY THE CONTRACTOR AND SHALL BE APPROVED BY THE STATE PARK DEPARTMENT'S INSPECTOR PRIOR TO INSTALLATION.

8. MINIMUM SIGN CLEARANCE MUST BE 7 FEET FROM BOTTOM OF SIGN TO TOP OF FINISHED GRADE, PER CALTRANS STANDARD PLANS RS1 AND RS4.

9. ALL NEW SIGN POSTS SHALL BE WOOD POSTS. ALL POSTS WITH A SINGLE SIGN PANEL SHALL BE 4"x4" AND ALL POSTS WITH 2 OR MORE SIGN PANELS SHALL BE 4"x6". POST EMBEDMENT SHALL BE PER CALTRANS STANDARD PLAN RS2. SIGN PANEL INSTALLATION ON WOOD POST SHALL BE PER CALTRANS STANDARD PLAN RS2.

10. INSTALL SHARED ROADWAY BYCYCLE PAVEMENT MARKINGS (SHARROWS) ON THE UPHILL LANE OF NORTH GATE ROAD, SOUTH GATE ROAD, AND SUMMIT ROAD PER CALTRANS STANDARD PLAN A24C. INSTALL SHARROWS ALONG THE ROADWAY AT 1/2 MILE SPACING.

11. IF ALL EXISTING SIGN PANELS ARE REMOVED FROM AN EXISTINT POST, AND NO NEW SIGN PANELS ARE INSTALLED, THE SIGN POST SHALL ALSO BE REMOVED.

SHEET INDEX

G-1	TITLE SHEET
G-2	SHEET INDEX
G-3	SIGN LEGEND
C-1	SOUTH GATE ROAD STA: 00+00 TO STA: 108+50
C-2	SOUTH GATE ROAD STA: 108+50 TO STA: 210+50
C-3	SOUTH GATE ROAD STA: 210+50 TO STA: 280+50
C-4	SOUTH GATE, NORTH GATE, & SUMMIT RD JUNCTION
C-5	SUMMIT ROAD STA: 89+50 TO STA: 200+00
C-6	SUMMIT ROAD STA: 00+00 TO STA: 89+50
C-7	NORTH GATE ROAD STA: 181+50 TO STA: 294+00
C-8	NORTH GATE ROAD STA: 114+00 TO STA: 181+50
C-9	NORTH GATE ROAD STA: 00+00 TO STA: 114+00
C-10	SOUTH GATE ROAD PASSING SIGHT DISTANCE TABLE
C-11	SUMMIT ROAD PASSING SIGHT DISTANCE TABLE
C-12	NORTH GATE ROAD PASSING SIGHT DISTANCE TABLE

ACQUISITION & DEVELOPMENT DIVISION
One Capitol Mall
Sacramento, CA
95814-3229

REGISTERED PROFESSIONAL ENGINEER
LEOPOLDO TRUTLLO
63950
Exp. 9-30-16
CIVIL
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL- APPROVED

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Reviewed by EXEMPT Date

DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION
CERTIFICATION # [illegible]

Reviewed by Date

ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND RECREATION, NORTHERN SERVICE CENTER

DESIGNED:	CL
DRAWN:	FC
CHECKED:	LT
DATE:	1/26/2016

REVISIONS

	DATE

MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

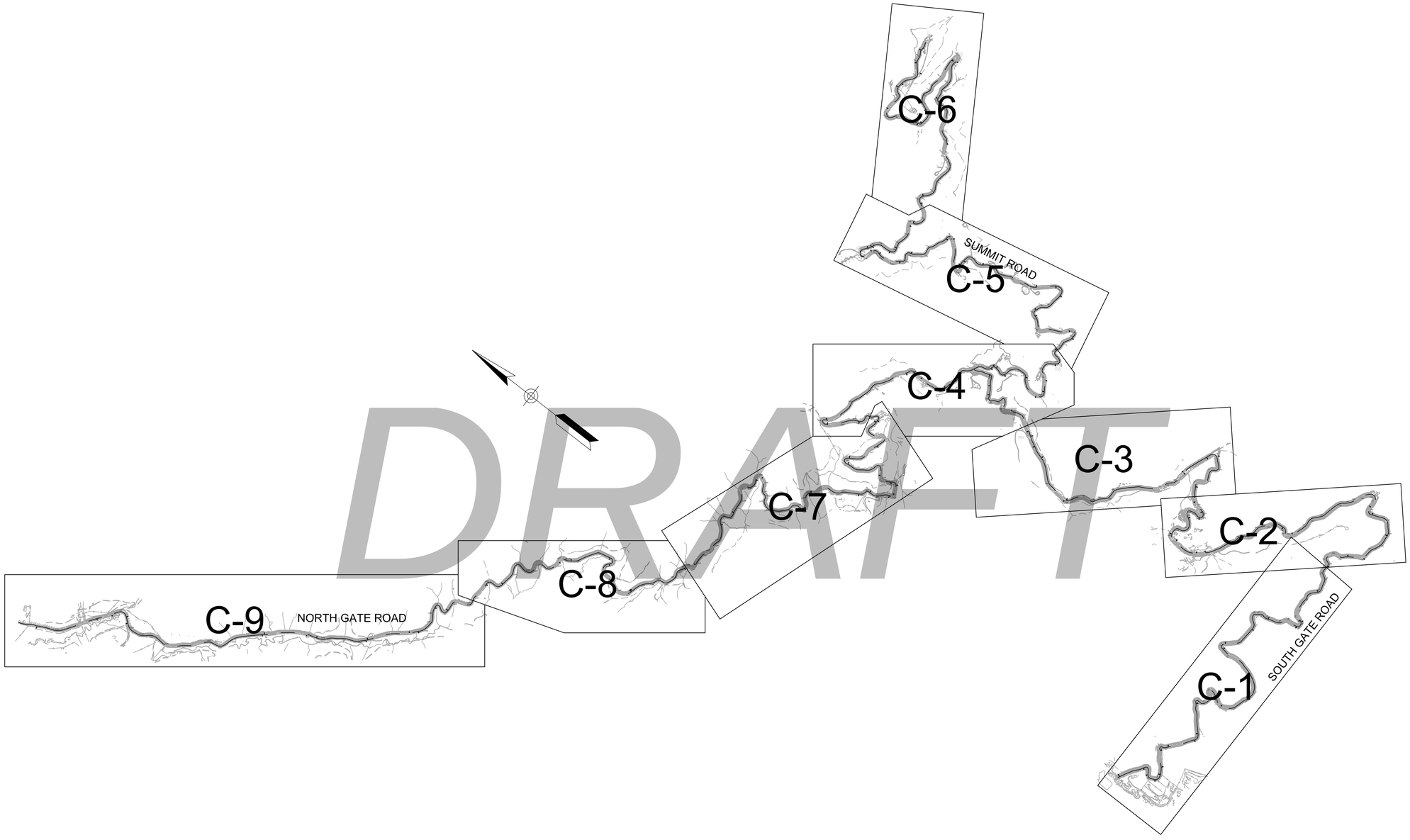
TITLE SHEET

DRAWING NO.
XXXX.XXX

SHEET NO.
G-1
1 OF 15

Hatch Mott MacDonald
1300-B FIRST STREET
GILROY, CA 95020
(408)848-3122
WWW.HATCHMOTT.COM

File: J:\2015\363474 - Mt Diablo Signing & Striping\14.0 Drawings\14.2 Design\363474 D1.dwg Layout: G1-TS Date: January 26 2016 - 4:01 pm User: LEE49250



DRAFT

ACQUISITION &
DEVELOPMENT DIVISION
One Capitol Mall
Sacramento, CA
95814-3229

REGISTERED PROFESSIONAL ENGINEER
LEOPOLDO TRUTILLO
63950
Exp. 9-30-16
CIVIL
STATE OF CALIFORNIA

10-30-07

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CERTIFICATION # Insert approval stamp.jpg

Reviewed by Date

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DESIGNED:	CL
DRAWN:	FC
CHECKED:	LT
DATE: 1/26/2016	

REVISIONS

	DATE

MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

SHEET KEY INDEX

DRAWING NO.
XXXX.XXX

SHEET NO.
G-2
2 OF 15

Hatch Mott MacDonald
1300-B FIRST STREET
GILROY, CA 95020
(408)848-3122
WWW.HATCHMOTT.COM

File: J:\2015\363474 - Mt Diablo Signing & Striping\14.0 Drawings\14.2 Design\363474 D1.dwg Layout: G2-SI Date: January 26 2016 - 5:13 pm User: LEE49250

R1–1
(30”x30”)

R2–1
(24”x30”)

VEHICLE
SPEED
FEEDBACK
SIGN

R4–1
(24”x30”)

R4–2
(24”x30”)

R4–7
(24”x30”)

R4–7a
(24”x30”)

R4–11
(30”x30”)

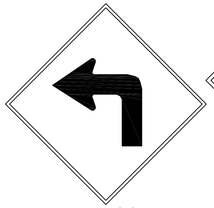
R5–1
(30”x30”)

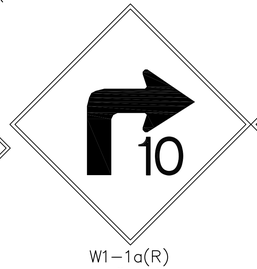
R26(S)(CA)
(12”x18”)

R30E(CA)
(24”x30”)

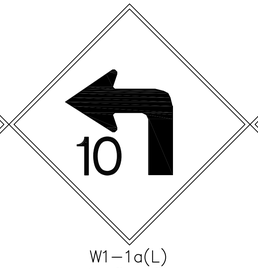
R48–1(CA)
(24”x12”)

W1–1(R)
(30”x30”)


W1–1(L)
(30”x30”)

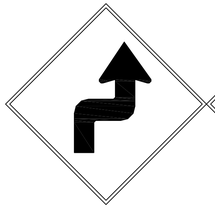


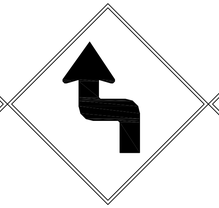
W1–1a(R)
(36”x36”)



W1–1a(L)
(36”x36”)

W1–2a(L)
(36”x36”)


W1–3(R)
(30”x30”)


W1–3(L)
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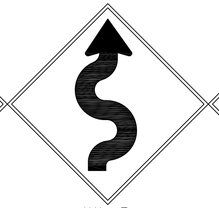
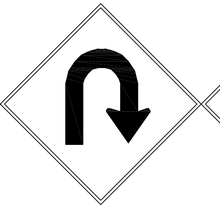
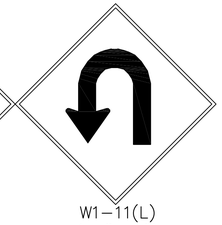
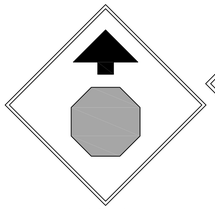
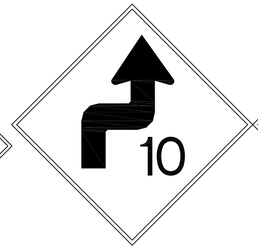

W1–5
(30”x30”)

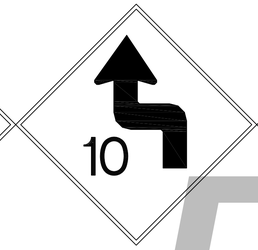

W1–11(R)
(30”x30”)


W1–11(L)
(30”x30”)

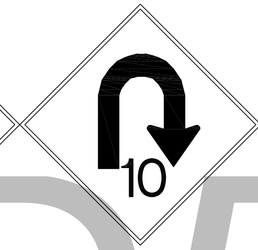

W3–1
(30”x30”)



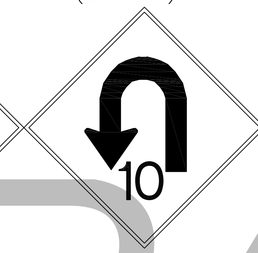
W4–1(CA)(R)
(48”x48”)



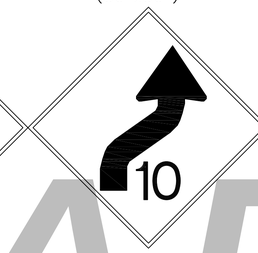
W4–1(CA)(L)
(48”x48”)



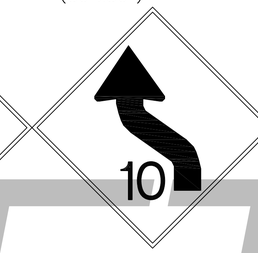
W4–10(CA)(R)
(48”x48”)



W4–10(CA)(L)
(48”x48”)

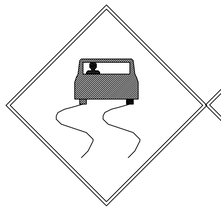


W4–18(CA)(R)
(48”x48”)



W4–18(CA)(L)
(48”x48”)

W7–3aP
(24”x18”)


W8–5
(30”x30”)

W11–2X (OBSOLETE)
(30”x30”)

W11–2
(30”x30”)

W11–7
(30”x30”)

W13–1P
(18”x18”)

W16–4P
(30”x24”)

W20–3
(30”x30”)

W80 (OBSOLETE)
(24”x8”)

SW4–1(CA)
(30”x30”)

G17
(36”x18”)

G72

S1

S2

S3

S4

S5

S6

S7

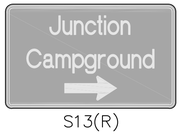
S8

S9

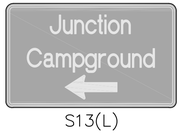
S10

S11

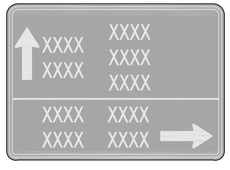
S12



S13(R)



S13(L)

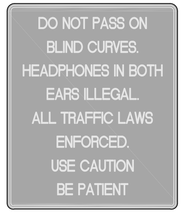


S14

S15

S16

S17



S18

S19
(30”x30”)

S20
(30”x24”)

S21
(30”x30”)

DRAFT

CALIFORNIA STATE PARKS SINCE 1864

ACQUISITION &
DEVELOPMENT DIVISION
One Capitol Mall
Sacramento, CA
95814-3229

REGISTERED PROFESSIONAL ENGINEER
LEOPOLDO TRUTTERO
63950
Exp. 9-30-16
CIVIL
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL- APPROVED

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DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION
CERTIFICATION # [illegible] stamp.jpg
Reviewed by Date

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DESIGNED:	CL
DRAWN:	FC
CHECKED:	LT
DATE:	1/26/2016

REVISIONS

	DATE

MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

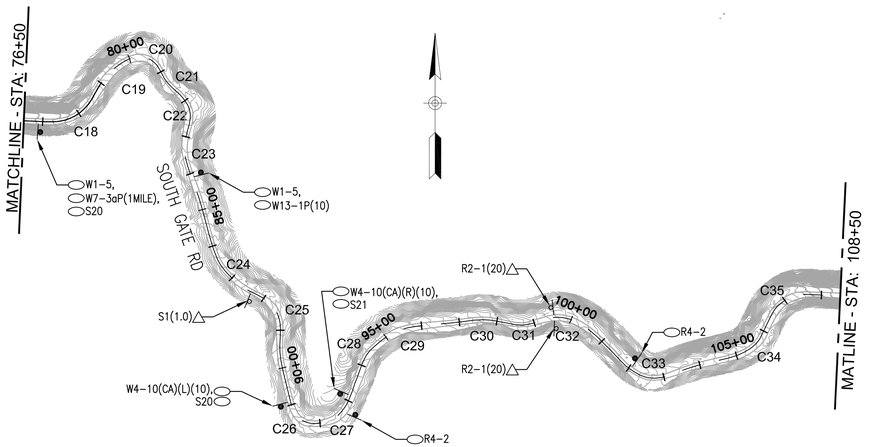
SIGN LEGEND

DRAWING NO.
XXXX.XXX

SHEET NO.
G-3
3 OF 15

Hatch Mott MacDonald
1300-B FIRST STREET
GILROY, CA 95020
(408)848-3122
WWW.HATCHMOTT.COM

File: J:\2015\363474 - Mt Diablo Signing & Striping\14.0 Drawings\14.2 Design\363474 D1.dwg Layout: G3-SIGN LEGEND Date: January 26 2016 - 4:05 pm User: LEE49250



LEGEND (THIS SHEET)

- ⊖ = EXISTING SIGN
- ⊖ = NEW SIGN / RELOCATED SIGN
- △ = EXISTING SIGN TO REMAIN
- ▭ = EXISTING SIGN TO BE REMOVED
- ⬭ = INSTALL NEW SIGN
- ⬡ = EXISTING SIGN TO BE RESET
- ✳ = REPLACE EXISTING SIGN POST WITH NEW POST (HEIGHT AS NECESSARY TO FIT ALL PROPOSED SIGNS)

e=superelevation
f=side friction factor
v=speed (mph)
R=Radius (feet)

$$e+f=\frac{0.067V^2}{R}$$

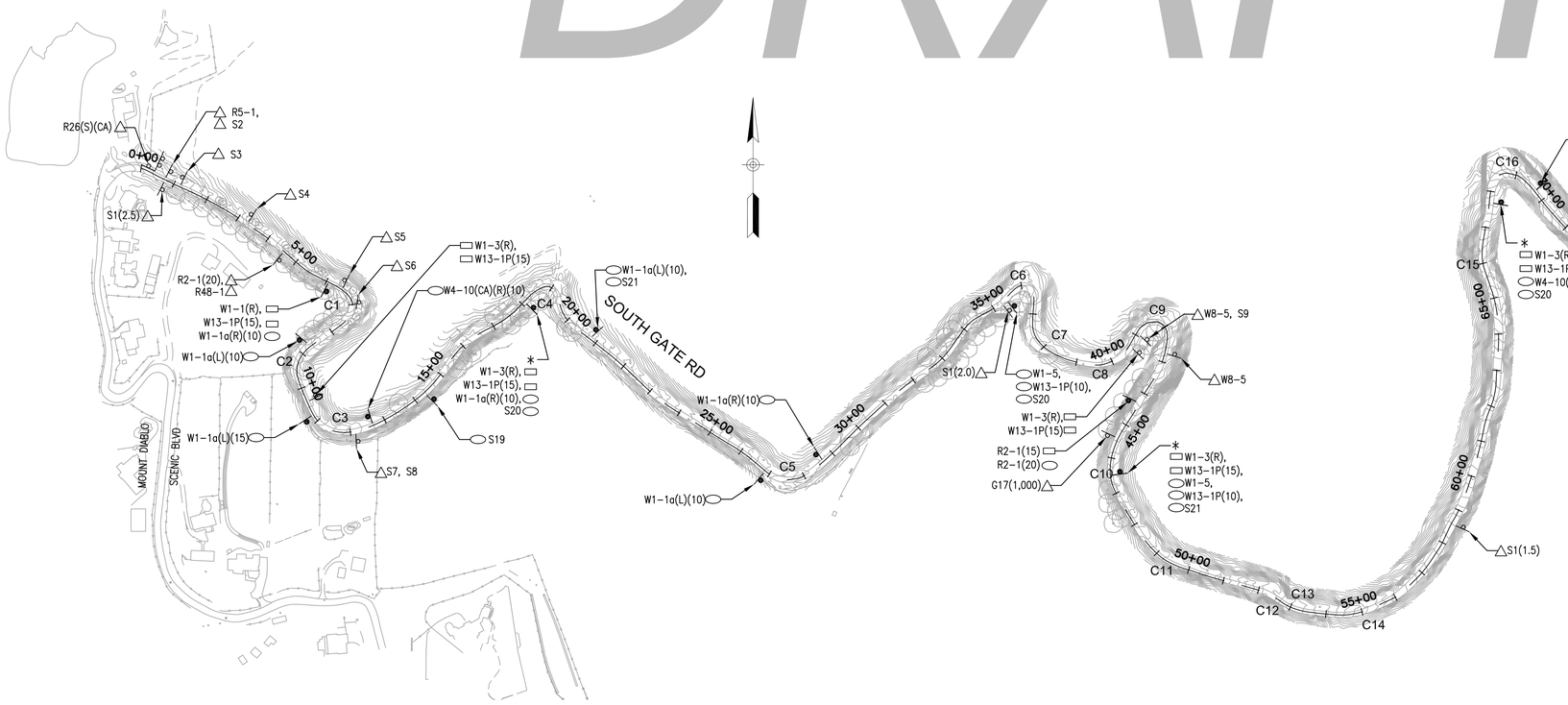
$$V=\sqrt{\frac{Rf}{0.067}}$$

CALTRANS STANDARD FORMULA FOR CALCULATING DESIGN SPEED ON A HORIZONTAL CURVE

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FEET)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
SOUTH GATE RD.				
C1	40	15	10	10
C2	77	NONE	14	10
C3	100	15	16	15
C4	25	15	8	10
C5	100	NONE	16	15
C6	30	NONE	9	10
C7	80	NONE	14	10
C8	114	NONE	17	15
C9	40	15	10	10
C10	150	15	20	20
C11	180	NONE	21	20
C12	165	NONE	20	20
C13	152	NONE	20	20
C14	300	NONE	27	25
C15	110	NONE	17	15
C16	45	15	11	10
C17	70	NONE	13	10
C18	120	NONE	17	15
C19	175	NONE	21	20
C20	57	NONE	12	10
C21	104	NONE	16	15
C22	67	NONE	13	10
C23	129	NONE	18	20
C24	157	NONE	20	20
C25	68	NONE	13	10
C26	54	NONE	12	10
C27	80	NONE	14	10
C28	106	NONE	16	15
C29	170	NONE	21	20
C30	190	NONE	22	20
C31	94	20	15	15
C32	140	20	19	15
C33	90	NONE	15	15
C34	90	NONE	15	15
C35	95	NONE	16	15

DRAFT



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

CALIFORNIA STATE PARKS SINCE 1864

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ACCESSIBILITY SECTION
CERTIFICATION # [illegible]

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DESIGNED:	CL
DRAWN:	FC
CHECKED:	LT
DATE:	1/26/2016

REVISIONS

	DATE

MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

SOUTH GATE ROAD
STA: 00+00 TO STA: 108+50

DRAWING NO.
XXXXX.XXX

SHEET NO.
C-1
4 OF 15

Hatch Mott MacDonald
1300-B FIRST STREET
GILROY, CA 95020
(408)848-3122
WWW.HATCHMOTT.COM

File: J:\2015\363474 - Mt Diablo Signing & Striping\14.0 Drawings\14.2 Design\363474 D1.dwg Layout: C1-SG RD Date: January 26 2016 - 4:06 pm User: LEE49250

e=superelevation
f=side friction factor
v=speed (mph)
R=Radius (feet)

$$e+f=\frac{0.067V^2}{R}$$

$$V=\sqrt{\frac{Rf}{0.067}}$$

CALTRANS STANDARD FORMULA FOR CALCULATING DESIGN SPEED ON A HORIZONTAL CURVE

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
SOUTH GATE RD				
C36	63	NONE	13	10
C37	58	NONE	12	10
C38	64	NONE	13	10
C39	212	NONE	23	20
C40	105	NONE	16	15
C41	169	NONE	21	20
C42	339	NONE	29	25
C43	103	NONE	16	15
C44	149	NONE	19	20
C45	50	15	11	10
C46	66	15	13	10
C47	136	15	19	20
C48	95	15	16	15
C49	236	15	24	25
C50	183	NONE	22	20
C51	421	NONE	33	30
C52	273	NONE	26	25
C53	126	NONE	18	15
C54	180	NONE	21	20
C55	191	NONE	22	20

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
SOUTH GATE RD				
C56	90	NONE	15	15
C57	39	NONE	10	10
C58	52	NONE	11	10
C59	118	NONE	17	15
C60	118	NONE	17	15
C61	211	NONE	23	20
C62	85	NONE	15	15
C63	144	NONE	19	20
C64	127	NONE	18	15
C65	81	NONE	14	15
C66	74	NONE	14	15
C67	124	NONE	18	15
C68	87	NONE	15	15
C69	32	NONE	9	10
C70	81	NONE	14	15
C71	105	NONE	16	15
C72	45	15	11	10
C73	110	15	17	15
C74	243	NONE	25	25

PROJECT NOTE (THIS SHEET)

1 SPEED LIMIT SIGN CHANGE PER DIRECTION AND AUTHORITY FROM STATE PARKS.

LEGEND (THIS SHEET)

- = EXISTING SIGN
- = NEW SIGN / RELOCATED SIGN
- △ = EXISTING SIGN TO REMAIN
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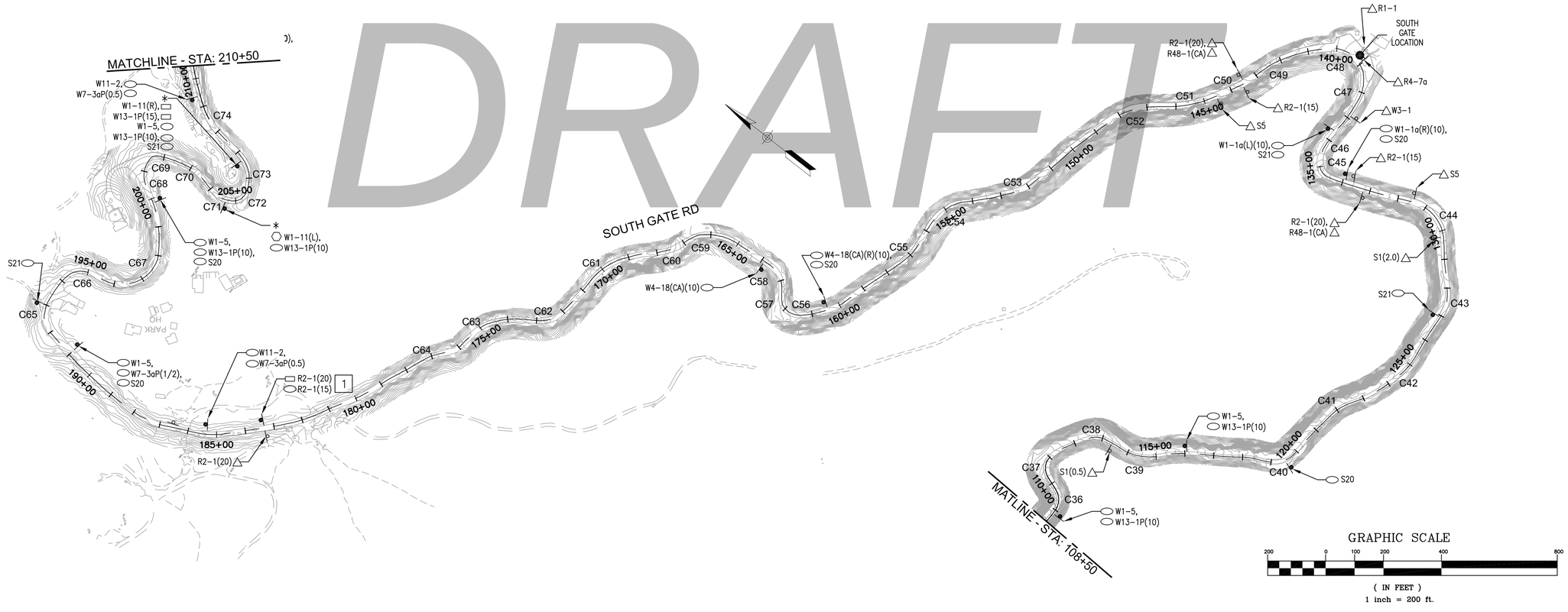
- ✳ = REPLACE EXISTING SIGN POST WITH NEW POST (HEIGHT AS NECESSARY TO FIT ALL PROPOSED SIGNS)



DRAFT

ACQUISITION & DEVELOPMENT DIVISION
One Capitol Mall
Sacramento, CA
95814-3229

REGISTERED PROFESSIONAL ENGINEER
LEOPOLDO TRUTTERO
63950
Exp. 9-30-16
CIVIL
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL- APPROVED

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Reviewed by EXEMPT Date

DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION
CERTIFICATION # insert approval stamp.jpg
Reviewed by Date

ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND RECREATION, NORTHERN SERVICE CENTER

DESIGNED:	CL
DRAWN:	FC
CHECKED:	LT
DATE:	1/26/2016

REVISIONS	
	DATE

MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

SOUTH GATE ROAD
STA: 108+50 TO STA: 210+50

DRAWING NO.
XXXX.XXX

SHEET NO.
C-2
5 OF 15

Hatch Mott MacDonald
1300-B FIRST STREET
GILROY, CA 95020
(408)848-3122
WWW.HATCHMOTT.COM

File: J:\2015\363474 - Mt Diablo Signing & Striping\14.0 Drawings\14.2 Design\363474 D1.dwg Layout: C2-SG RD Date: January 26 2016 - 4:08 pm User: LEE49250

DRAFT

e = superelevation
f = side friction factor
v = speed (mph)
R = Radius (feet)

$$e+f=\frac{0.067V^2}{R}$$

$$V=\sqrt{\frac{Rf}{0.067}}$$

CALTRANS STANDARD FORMULA FOR CALCULATING DESIGN SPEED ON A HORIZONTAL CURVE

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
SOUTH GATE RD				
C75	71	NONE	13	10
C76	81	NONE	14	15
C77	106	NONE	16	15
C78	59	NONE	12	10
C79	82	NONE	14	15
C80	111	NONE	17	15
C81	138	NONE	19	20
C82	122	NONE	18	15
C83	184	NONE	22	20
C84	134	NONE	18	15
C85	173	NONE	21	20
C86	97	NONE	16	15
C87	211	NONE	23	20
C88	81	NONE	14	15
C89	229	NONE	24	25

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GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

CALIFORNIA STATE PARKS
SINCE 1864

ACQUISITION & DEVELOPMENT DIVISION
One Capitol Mall
Sacramento, CA
95814-3229

REGISTERED PROFESSIONAL ENGINEER
LEOPOLDO TRUTTERO
63950
Exp. 9-30-16
CIVIL
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL- APPROVED

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ACCESSIBILITY SECTION
CERTIFICATION #
Reviewed by Date

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DATE:	1/26/2016

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△	DATE

MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

SOUTH GATE ROAD
STA: 210+50 TO STA: 280+50

DRAWING NO.
XXXX.XXX

SHEET NO.
C-3
6 OF 15

Hatch Mott MacDonald
1300-B FIRST STREET
GILROY, CA 95020
(408)848-3122
WWW.HATCHMOTT.COM

File: J:\2015\363474 - Mt Diablo Signing & Striping\14.0 Drawings\14.2 Design\363474 D1.dwg Layout: C3-SG RD Date: January 26 2016 - 4:10 pm User: LEE49250

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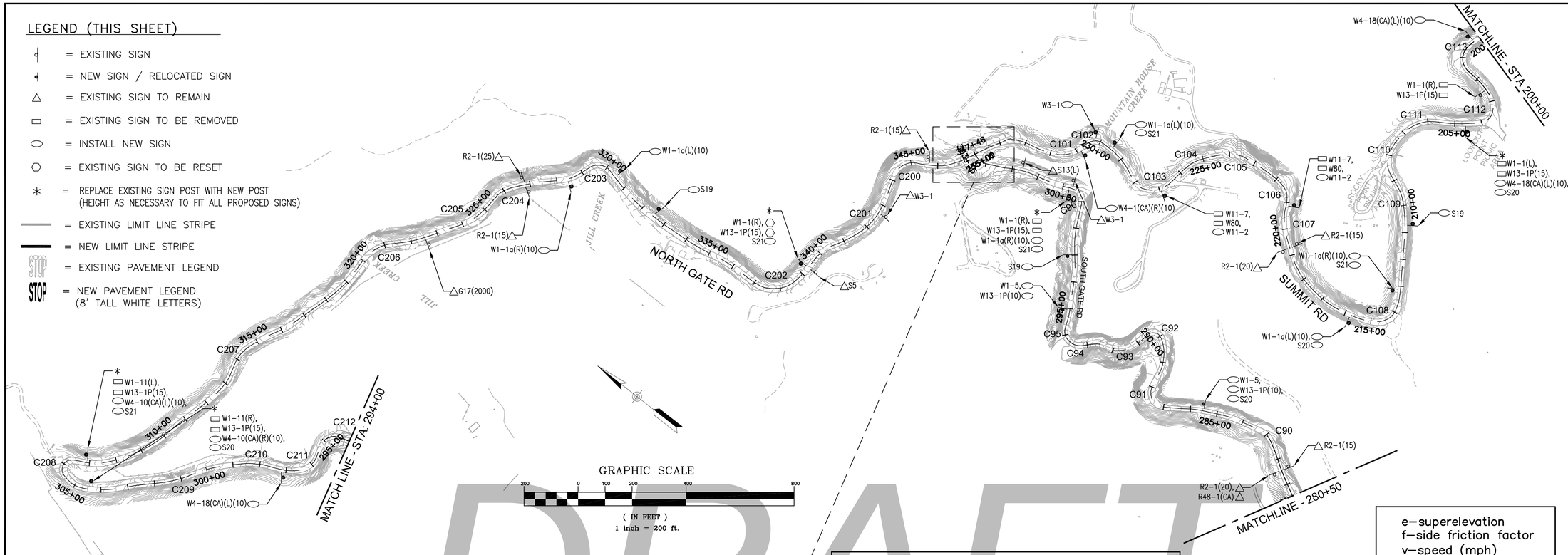
- = EXISTING SIGN TO BE RESET
- = REPLACE EXISTING SIGN POST WITH NEW POST (HEIGHT AS NECESSARY TO FIT ALL PROPOSED SIGNS)
- = EXISTING LIMIT LINE STRIPE
- = NEW LIMIT LINE STRIPE
- = EXISTING PAVEMENT LEGEND
- = NEW PAVEMENT LEGEND (8' TALL WHITE LETTERS)



DRAFT

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
SOUTH GATE RD				
C90	63	15	13	10
C91	48	NONE	11	10
C92	39	NONE	10	10
C93	119	NONE	17	15
C94	52	NONE	11	10
C95	45	NONE	11	10
C96	50	15	11	10
C97	74	NONE	14	10

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
SUMMIT RD				
C100	54	NONE	12	10
C101	128	NONE	18	15
C102	58	NONE	12	10
C103	94	NONE	15	15
C104	158	NONE	20	20
C105	103	NONE	16	15
C106	67	NONE	13	10
C107	202	NONE	23	20
C108	76	NONE	14	10
C109	172	NONE	21	20
C110	143	NONE	19	20
C111	144	NONE	19	20
C112	50	15	11	10
C113	62	NONE	13	10

e–superelevation
f–side friction factor
v–speed (mph)
R–Radius (feet)

$$e+f=\frac{0.067V^2}{R}$$

$$V=\sqrt{\frac{Rf}{0.067}}$$

CALTRANS STANDARD FORMULA FOR CALCULATING DESIGN SPEED ON A HORIZONTAL CURVE

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMEND ED WARNING SPEED (MPH)
NORTH GATE RD				
C200	71	NONE	13	10
C201	239	NONE	25	25
C202	126	15	18	15
C203	63	NONE	13	10
C204	117	NONE	17	15
C205	248	NONE	25	25
C206	166	NONE	21	20
C207	133	NONE	18	15
C208	35	15	9	10
C209	305	NONE	28	25
C210	275	NONE	26	25
C211	118	NONE	17	15
C212	51	NONE	11	10

CALIFORNIA STATE PARKS SINCE 1864
ACQUISITION & DEVELOPMENT DIVISION
One Capitol Mall
Sacramento, CA
95814-3229

REGISTERED PROFESSIONAL ENGINEER
LEOPOLDO TROTTI LO
63950
Exp. 9-30-16
CIVIL
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL- APPROVED

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DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION
CERTIFICATION #
Reviewed by Date

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DRAWN:	FC
CHECKED:	LT
DATE:	1/26/2016

REVISIONS	
	DATE

MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

SOUTH GATE, NORTH GATE, & SUMMIT RD JUNCTION

DRAWING NO.
XXXX.XXX

SHEET NO.
C-4
7 OF 15

Hatch Mott MacDonald
1300-B FIRST STREET
GILROY, CA 95020
(408)848-3122
WWW.HATCHMOTT.COM

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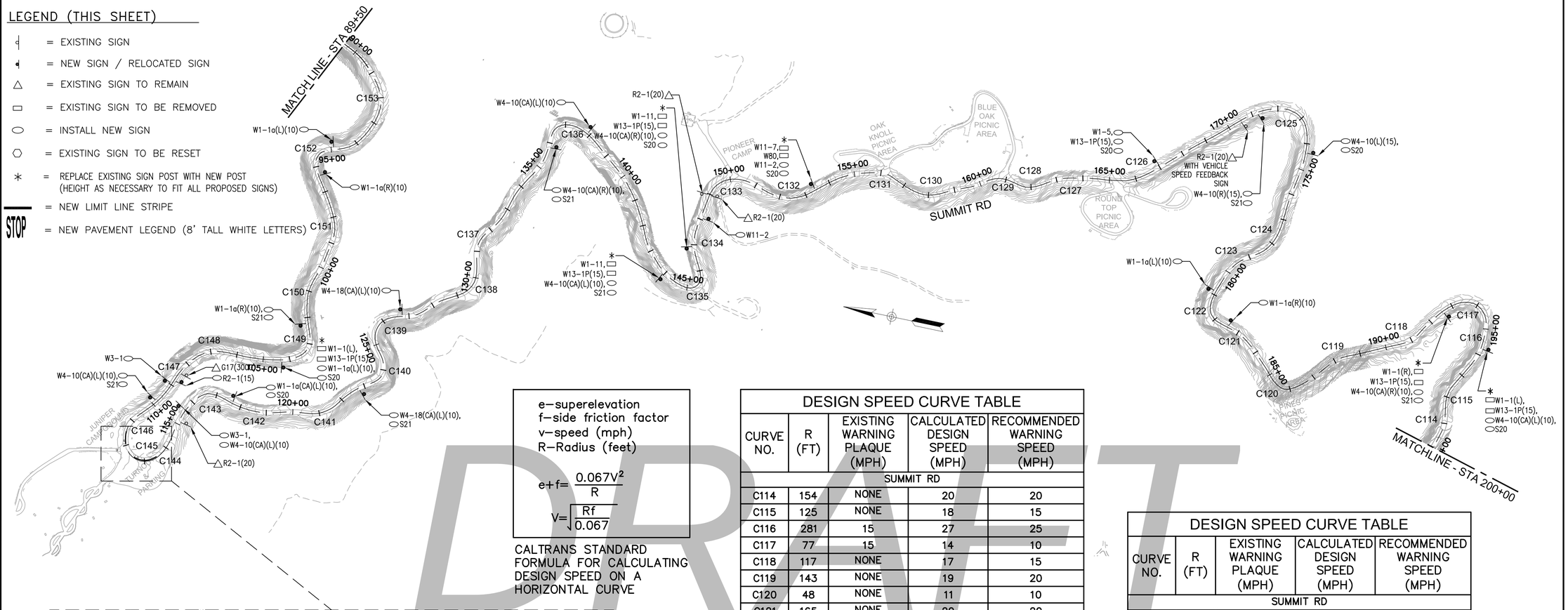
- ✱ = REPLACE EXISTING SIGN POST WITH NEW POST (HEIGHT AS NECESSARY TO FIT ALL PROPOSED SIGNS)
- = NEW LIMIT LINE STRIPE
- STOP = NEW PAVEMENT LEGEND (8' TALL WHITE LETTERS)

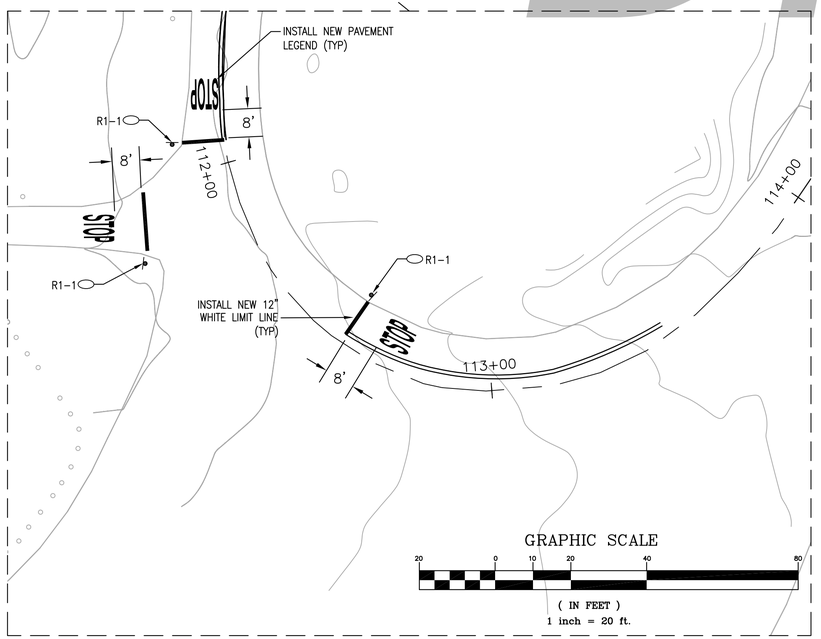


e=superelevation
f=side friction factor
v=speed (mph)
R=Radius (feet)

$$e+f=\frac{0.067V^2}{R}$$

$$V=\sqrt{\frac{Rf}{0.067}}$$

CALTRANS STANDARD FORMULA FOR CALCULATING DESIGN SPEED ON A HORIZONTAL CURVE



GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
SUMMIT RD				
C114	154	NONE	20	20
C115	125	NONE	18	15
C116	281	15	27	25
C117	77	15	14	10
C118	117	NONE	17	15
C119	143	NONE	19	20
C120	48	NONE	11	10
C121	165	NONE	20	20
C122	60	NONE	12	10
C123	163	NONE	20	20
C124	155	NONE	20	20
C125	94	NONE	15	15
C126	290	NONE	27	25
C127	362	NONE	30	30
C128	64	NONE	13	10
C129	105	NONE	16	15
C130	124	NONE	18	15
C131	94	NONE	15	15
C132	179	NONE	21	20
C133	114	NONE	17	15
C134	201	15	23	20
C135	51	15	11	10
C136	59	NONE	12	10
C137	95	NONE	16	15
C138	87	NONE	15	15
C139	77	NONE	14	15
C140	68	NONE	13	10
C141	136	NONE	19	20

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
SUMMIT RD				
C142	304	NONE	28	25
C143	62	NONE	13	10
C144	128	NONE	18	15
C145	72	NONE	14	10
C146	113	NONE	17	15
C147	354	NONE	30	30
C148	144	NONE	19	20
C149	68	15	13	10
C150	157	NONE	20	20
C151	107	NONE	16	15
C152	48	NONE	11	10
C153	128	NONE	18	15

GRAPHIC SCALE
200 0 100 200 400 800
(IN FEET)
1 inch = 200 ft.

DRAFT

CALIFORNIA STATE PARKS SINCE 1864

ACQUISITION & DEVELOPMENT DIVISION
One Capitol Mall
Sacramento, CA
95814-3229

REGISTERED PROFESSIONAL ENGINEER
LEOPOLDO TRUTTLLO
63950
Exp. 9-30-16
CIVIL
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL- APPROVED

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DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION
CERTIFICATION # [illegible]

Reviewed by Date

ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND RECREATION, NORTHERN SERVICE CENTER

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DRAWN:	FC
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DATE:	1/26/2016

REVISIONS

	DATE

MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

SUMMIT ROAD
STA: 89.50 TO STA: 200+00

DRAWING NO.
XXXX.XXX

SHEET NO.
C-5
8 OF 15

Hatch Mott MacDonald
1300-B FIRST STREET
GILROY, CA 95020
(408)848-3122
WWW.HATCHMOTT.COM

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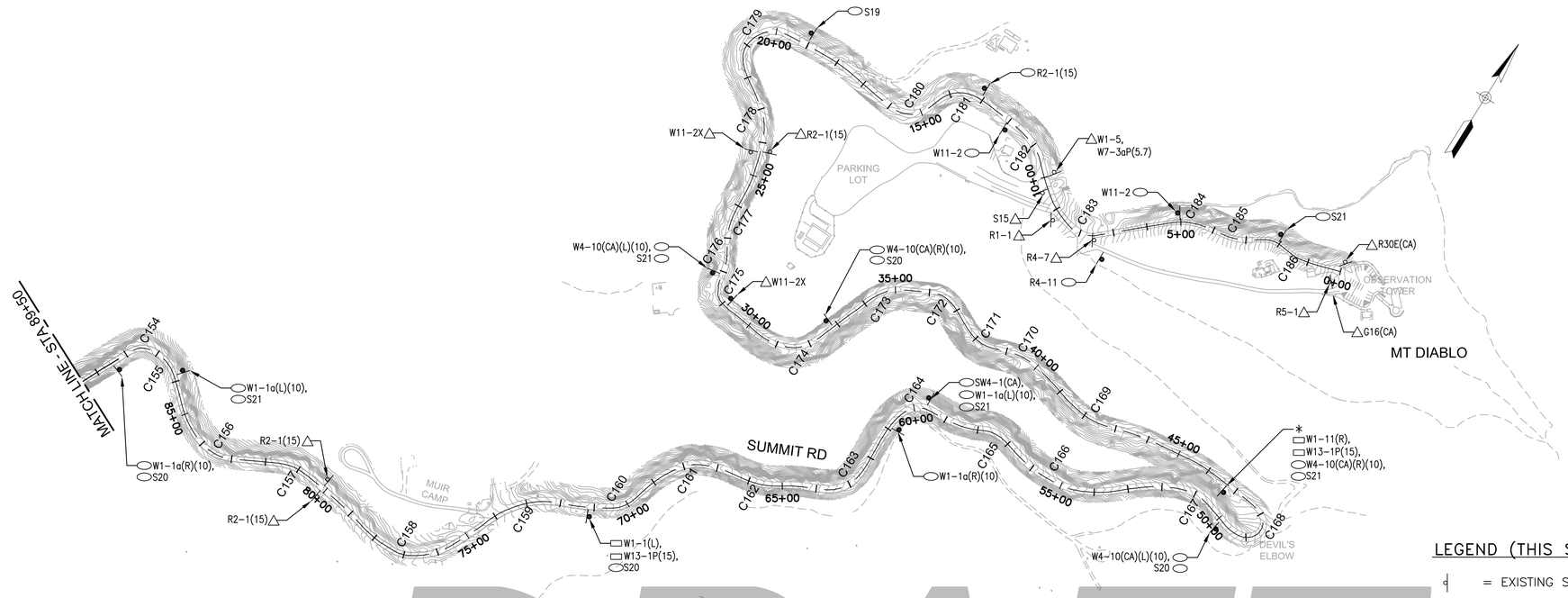

DRAFT

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
SUMMIT RD				
C154	64	NONE	13	10
C155	125	NONE	18	15
C156	131	NONE	18	15
C157	133	NONE	18	15
C158	115	NONE	17	15
C159	305	NONE	28	25
C160	102	15	16	15
C161	209	NONE	23	20
C162	336	NONE	29	25
C163	113	NONE	17	15
C164	65	NONE	13	10
C165	128	NONE	18	15
C166	288	NONE	27	25
C167	123	NONE	18	15
C168	43	15	10	10
C169	207	NONE	23	20
C170	559	NONE	38	35

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
SUMMIT RD				
C171	111	NONE	17	15
C172	91	NONE	15	15
C173	156	NONE	20	20
C174	83	NONE	15	15
C175	61	NONE	12	10
C176	142	NONE	19	15
C177	249	NONE	25	25
C178	195	NONE	22	20
C179	92	NONE	15	15
C180	86	NONE	15	15
C181	106	NONE	16	15
C182	195	NONE	22	20
C183	106	NONE	16	15
C184	188	NONE	22	20
C185	210	NONE	23	20
C186	88	NONE	15	15

e=superelevation
f=side friction factor
v=speed (mph)
R=Radius (feet)

$$e+f=\frac{0.067V^2}{R}$$

$$V=\sqrt{\frac{Rf}{0.067}}$$

CALTRANS STANDARD FORMULA FOR CALCULATING DESIGN SPEED ON A HORIZONTAL CURVE

LEGEND (THIS SHEET)

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GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

CALIFORNIA STATE PARKS SINCE 1864

ACQUISITION & DEVELOPMENT DIVISION
One Capitol Mall
Sacramento, CA
95814-3229

REGISTERED PROFESSIONAL ENGINEER
LEOPOLDO TRUTTERO
63950
Exp. 9-30-16
CIVIL
STATE OF CALIFORNIA

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ACCESSIBILITY SECTION
CERTIFICATION # [illegible]

Reviewed by Date

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DESIGNED:	CL
DRAWN:	FC
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DATE:	1/26/2016

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	DATE

MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

SUMMIT ROAD
STA: 00+00 TO STA: 89+50

DRAWING NO.
XXXX.XXX

SHEET NO.
C-6
9 OF 15

Hatch Mott MacDonald
1300-B FIRST STREET
GILROY, CA 95020
(408)848-3122
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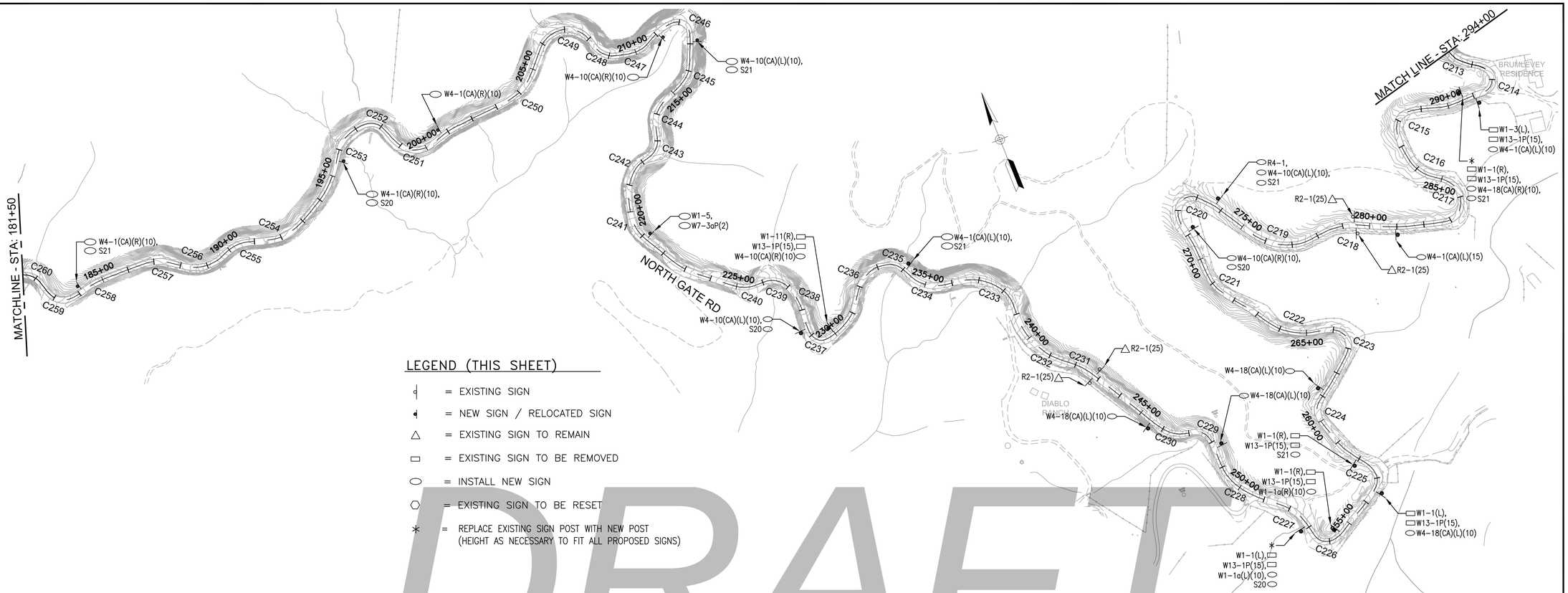

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DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
NORTH GATE RD				
C213	97	15	16	15
C214	46	15	11	10
C215	72	15	14	15
C216	148	15	19	20
C217	83	NONE	15	15
C218	317	NONE	28	25
C219	220	NONE	24	25
C220	51	NONE	11	10
C221	163	NONE	20	20
C222	192	NONE	22	20
C223	78	NONE	14	15
C224	59	NONE	12	10
C225	57	15	12	10
C226	58	15	12	10
C227	182	NONE	21	20
C228	270	NONE	26	25
C229	60	NONE	12	10
C230	120	NONE	17	15
C231	272	NONE	26	25
C232	205	NONE	23	20
C233	152	NONE	20	20
C234	132	NONE	18	15
C235	68	NONE	13	10
C236	132	NONE	18	15

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
NORTH GATE RD				
C237	41	15	10	10
C238	239	NONE	25	25
C239	80	NONE	14	15
C240	96	NONE	16	15
C241	132	NONE	18	15
C242	132	NONE	18	15
C243	78	NONE	14	15
C244	109	NONE	17	15
C245	117	NONE	17	15
C246	49	NONE	11	10
C247	104	NONE	16	15
C248	95	NONE	16	15
C249	103	NONE	16	15
C250	157	NONE	20	20
C251	98	NONE	16	15
C252	63	NONE	13	10
C253	103	NONE	16	15
C254	188	NONE	22	20
C255	132	NONE	18	15
C256	143	NONE	19	20
C257	129	NONE	18	15
C258	378	NONE	31	30
C259	72	NONE	14	15
C260	80	NONE	14	15

e–superelevation
f–side friction factor
v–speed (mph)
R–Radius (feet)

$$e+f=\frac{0.067V^2}{R}$$

$$V=\sqrt{\frac{Rf}{0.067}}$$

CALTRANS STANDARD FORMULA FOR CALCULATING DESIGN SPEED ON A HORIZONTAL CURVE

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

Hatch Mott MacDonald
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CALIFORNIA STATE PARKS SINCE 1864
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One Capitol Mall
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95814-3229

REGISTERED PROFESSIONAL ENGINEER
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Exp. 9-30-16
CIVIL
STATE OF CALIFORNIA

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DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION
CERTIFICATION # Insert approval stamp.jpg
Reviewed by Date

ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND RECREATION, NORTHERN SERVICE CENTER

DESIGNED:	CL
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DATE:	1/26/2016

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△	DATE

MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

NORTH GATE ROAD
STA: 181+50 TO STA: 294+00

DRAWING NO.
XXXX.XXX

SHEET NO.
C-7
10 OF 15

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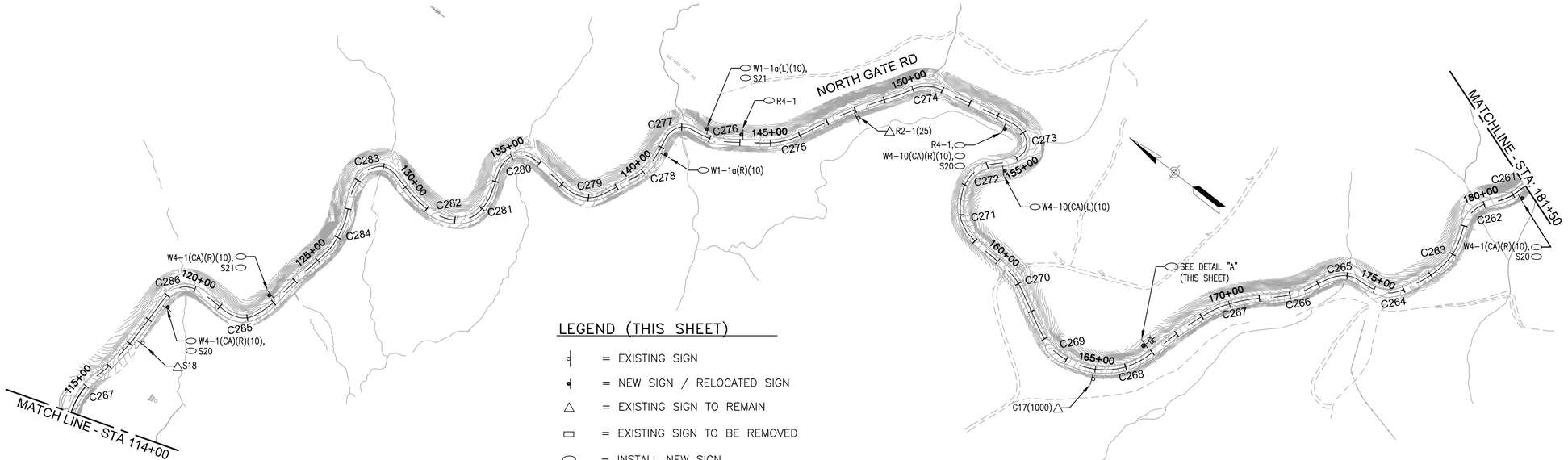

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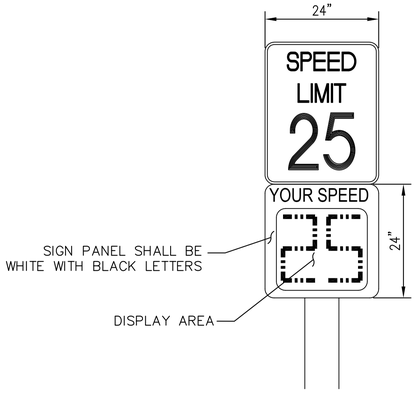
- ⬡ = EXISTING SIGN TO BE RESET
- ✳ = REPLACE EXISTING SIGN POST WITH NEW POST (HEIGHT AS NECESSARY TO FIT ALL PROPOSED SIGNS)
- = SOLAR POWERED LED VEHICLE SPEED FEEDBACK SIGN

DRAFT



DETAIL "A"

R2-1(20) WITH VEHICLE SPEED FEEDBACK SIGN

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
NORTH GATE RD CONTINUE				
C261	179	NONE	21	20
C262	109	NONE	17	15
C263	211	NONE	23	20
C264	95	NONE	16	15
C265	93	NONE	15	15
C266	281	NONE	27	25
C267	412	NONE	32	30
C268	239	NONE	25	25
C269	160	NONE	20	20
C270	195	NONE	22	20
C271	137	NONE	19	20
C272	115	NONE	17	15
C273	60	NONE	12	10
C274	113	NONE	17	15

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
NORTH GATE RD CONTINUE				
C275	224	NONE	24	25
C276	178	NONE	21	20
C277	57	NONE	12	10
C278	204	NONE	23	20
C279	102	NONE	16	15
C280	73	NONE	14	15
C281	150	NONE	20	20
C282	215	NONE	23	20
C283	119	NONE	17	15
C284	291	NONE	27	25
C285	76	NONE	14	10
C286	78	NONE	14	10
C287	233	NONE	24	25

e=superelevation
f=side friction factor
v=speed (mph)
R=Radius (feet)

$$e+f=\frac{0.067V^2}{R}$$

$$V=\sqrt{\frac{Rf}{0.067}}$$

CALTRANS STANDARD FORMULA FOR CALCULATING DESIGN SPEED ON A HORIZONTAL CURVE

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

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REGISTERED PROFESSIONAL ENGINEER
LEOPOLDO TRUTTLO
63950
Exp. 9-30-16
CIVIL
STATE OF CALIFORNIA

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Reviewed by EXEMPT Date

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ACCESSIBILITY SECTION
CERTIFICATION # [illegible]
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DRAWN:	FC
CHECKED:	LT
DATE:	1/26/2016

REVISIONS	
△	DATE

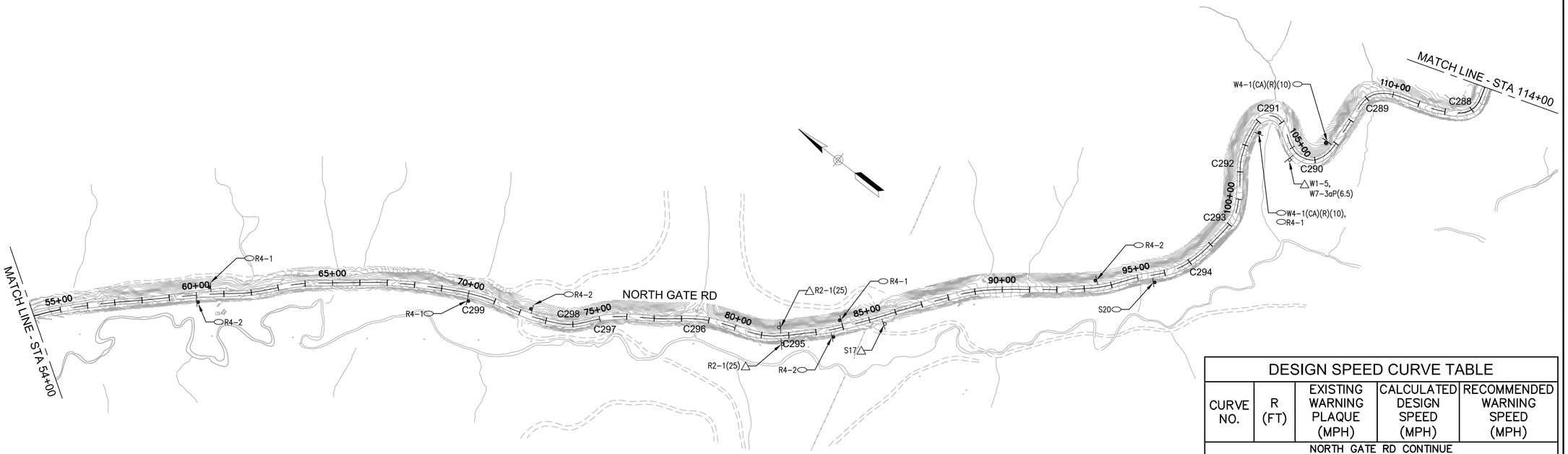
MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

NORTH GATE ROAD
STA: 114+00 TO STA: 181+50

DRAWING NO.
XXXX.XXX

SHEET NO.
C-8
11 OF 15

File: J:\2015\363474 - Mt Diablo Signing & Striping\14.0 Drawings\14.2 Design\363474 D1.dwg Layout: C8-NG RD Date: January 26 2016 - 4:24 pm User: LEE49250



DRAFT

LEGEND (THIS SHEET)

- = EXISTING SIGN
- = NEW SIGN / RELOCATED SIGN
- △ = EXISTING SIGN TO REMAIN
- ▭ = EXISTING SIGN TO BE REMOVED
- ⬭ = INSTALL NEW SIGN
- ⬡ = EXISTING SIGN TO BE RESET
- * = REPLACE EXISTING SIGN POST WITH NEW POST (HEIGHT AS NECESSARY TO FIT ALL PROPOSED SIGNS)

e–superelevation
f–side friction factor
v–speed (mph)
R–Radius (feet)

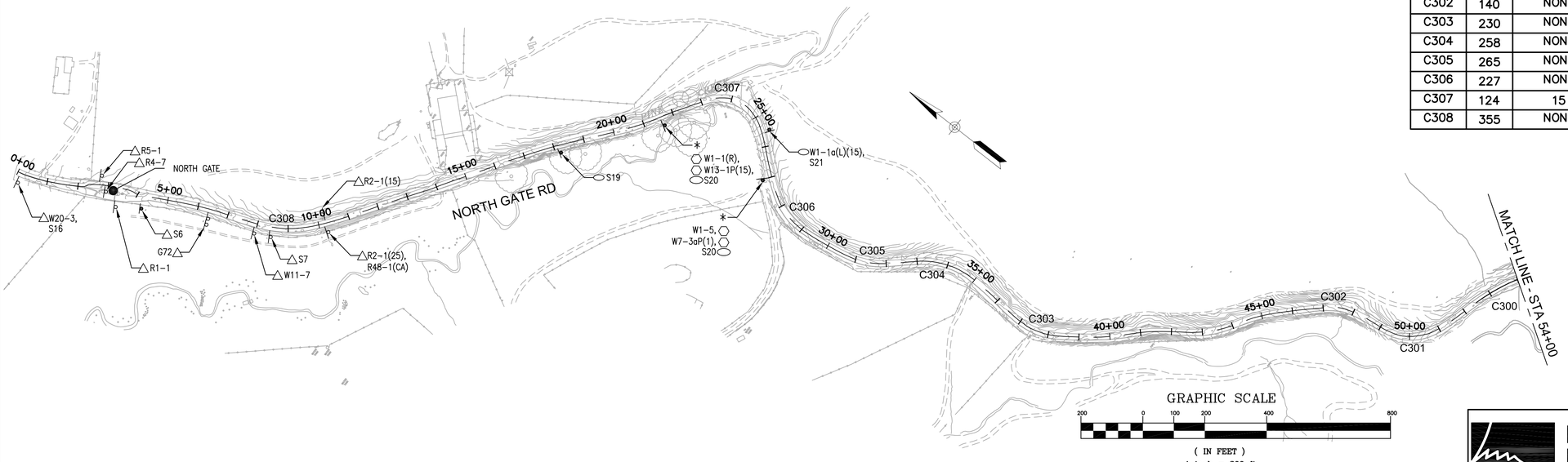
$$e+f=\frac{0.067V^2}{R}$$

$$V=\sqrt{\frac{Rf}{0.067}}$$

CALTRANS STANDARD FORMULA FOR CALCULATING DESIGN SPEED ON A HORIZONTAL CURVE

DESIGN SPEED CURVE TABLE

CURVE NO.	R (FT)	EXISTING WARNING PLAQUE (MPH)	CALCULATED DESIGN SPEED (MPH)	RECOMMENDED WARNING SPEED (MPH)
NORTH GATE RD CONTINUE				
C288	79	NONE	14	15
C289	96	15	16	15
C290	84	15	15	15
C291	57	15	12	10
C292	190	NONE	22	20
C293	131	NONE	18	15
C294	314	NONE	28	25
C295	287	NONE	27	25
C296	434	NONE	33	30
C297	246	NONE	25	25
C298	193	NONE	22	20
C299	706	NONE	42	40
C300	372	NONE	31	30
C301	178	NONE	21	20
C302	140	NONE	19	20
C303	230	NONE	24	20
C304	258	NONE	26	25
C305	265	NONE	26	25
C306	227	NONE	24	20
C307	124	15	18	15
C308	355	NONE	30	30



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ACCESSIBILITY SECTION
CERTIFICATION #
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DATE: 1/26/2016	

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MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

NORTH GATE ROAD
STA: 00+00 TO STA: 114+00

DRAWING NO.
XXXX.XXX

SHEET NO.
C-9

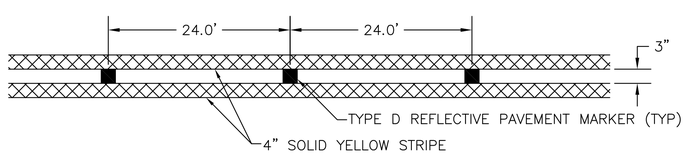
File: J:\2015\363474 - Mt Diablo Signing & Striping\14.0 Drawings\14.2 Design\363474 D1.dwg Layout: C9-NG RD Date: January 26 2016 - 4:28 pm User: LEE49250

PASSING SIGHT DISTANCE - SOUTH GATE RD (STA: 00+00 - STA: 303+55)

FROM STA	TO STA	POSTED SPEED (MPH)	LONGEST AVAILABLE PASSING SIGHT DISTANCE (FT)	CALTRANS REQUIRED SIGHT DISTANCE FOR POSTED SPEED(FT)	REQUIREMENTS MET Y/N	REMARK	PROPOSED STRIPING IMPROVEMENTS
0+00	6+00	20	370	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
6+00	21+00	20	300	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
21+00	28+00	20	580	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
28+00	35+00	20	500	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
35+00	50+00	20	200	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
50+00	68+00	20	550	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
68+00	73+50	20	200	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
73+50	77+50	20	400	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
77+50	92+50	20	400	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
92+50	102+50	20	950	800	YES	MEETS SIGHT DISTANCE REQUIREMENTS FROM STA 93+00 TO 102+50 TRIM VEGETATION ON UPHILL SIDE.	SINGLE BROKEN YELLOW LINE FROM STA 93+00 TO 102+50. CALTRANS STRIPING DETAIL 2.
102+50	119+50	20	500	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
119+50	130+00	20	500	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
130+00	142+00	20	300	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
142+00	161+00	20	200	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
161+00	177+00	20	500	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
177+00	225+00	20	300	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
225+00	240+00	15	550	NA	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
240+00	248+00	20	350	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
248+00	266+00	20	300	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
266+00	282+00	20	950	800	YES	MEETS SIGHT DISTANCE REQUIREMENTS FROM STA 272+50 TO 282+00	SINGLE BROKEN YELLOW LINE FROM STA 272+50 TO 282+00. CALTRANS STRIPING DETAIL 2.
282+00	303+54.50	15	450	NA	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".

DRAFT

CALTRANS SIGHT DISTANCE STANDARDS		
DESIGN SPEED (MPH)	STOPPING (FT)	PASSING (FT)
10	50	--
15	100	--
20	125	800
25	150	950



DETAIL "B"
REVISED CALTRANS STRIPING DETAIL 21

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Reviewed by EXEMPT Date

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ACCESSIBILITY SECTION
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DRAWN:	FC
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DATE:	1/26/2016

REVISIONS

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MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

SOUTH GATE ROAD
PASSING SIGHT DISTANCE TABLE

DRAWING NO.
XXXX.XXX

SHEET NO.
C-10
13 OF 15

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PASSING SIGHT DISTANCE - SUMMIT RD (STA: 00+00 - STA: 235+01)

FROM STA	TO STA	POSTED SPEED(MPH)	LONGEST AVAILABLE PASSING SIGHT DISTANCE (FT)	CALTRANS REQUIRED SIGHT DISTANCE FOR POSTED SPEED(FT)	REQUIREMENTS MET Y/N	REMARK	PROPOSED STRIPING IMPROVEMENTS
0+00	8+00	15	300	NA	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
8+00	37+00	15	300	NA	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
37+00	50+00	15	350	NA	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
50+00	60+00	15	250	NA	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
60+00	86+00	15	360	NA	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
86+00	104+00	15	330	NA	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
104+00	151+00	20	250	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
151+00	172+00	20	550	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
172+00	215+00	20	750	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
215+00	235+01.40	20	320	800	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".

CALTRANS SIGHT DISTANCE STANDARDS

DESIGN SPEED (MPH)	STOPPING (FT)	PASSING (FT)
10	50	--
15	100	--
20	125	800
25	150	950

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MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

SUMMIT ROAD
PASSING SIGHT DISTANCE TABLE

DRAWING NO.
XXXX.XXX

SHEET NO.
C-11

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PASSING SIGHT DISTANCE - NORTH GATE ROAD (STA: 00+00 - STA: 347+46)

FROM STA	TO STA	POSTED SPEED(MPH)	LONGEST AVAILABLE PASSING SIGHT DISTANCE (FT)	CALTRANS REQUIRED SIGHT DISTANCE FOR POSTED SPEED(FT)	REQUIREMENTS MET Y/N	REMARK	PROPOSED STRIPING IMPROVEMENTS
0+00	10+00	15	550	NA	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
10+00	25+00	25	850	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
25+00	38+00	25	200	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
38+00	47+00	25	575	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
47+00	73+00	25	1300	950	YES	MEETS DISTANCE REQUIREMENTS FROM STA 60+00 TO 73+00	SINGLE BROKEN YELLOW LINE FROM STA 60+00 TO 73+00, ASSUMING VEGETATION IS TRIMMED ON A REGULAR BASIS. CALTRANS STRIPING DETAIL 2.
73+00	83+00	25	500	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
83+00	96+00	25	1,000	950	YES	MEETS DISTANCE REQUIREMENTS FROM STA 83+50 TO 93+50 TRIM VEGETATION ON SW SIDE OF ROAD.	SINGLE BROKEN YELLOW LINE FROM STA 83+50 TO 93+50. CALTRANS STRIPING DETAIL 2. TRIM VEGETATION BACK ON SOUTHWEST SIDE OF ROAD.
96+00	119+00	25	300	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
119+00	143+00	25	350	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
143+00	150+00	25	600	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
150+00	166+00	25	500	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
166+00	200+00	25	730	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
200+00	221+00	25	400	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
221+00	231+00	25	250	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
231+00	253+00	25	500	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
253+00	285+00	25	600	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
285+00	297+00	25	325	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
297+00	330+00	25	400	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".
300+00	347+45.98	25	575	950	NO	OBSTACLES = ROAD CURVATURE, STEEP GRADING, AND VEGETATION	DOUBLE YELLOW LINE, PER DETAIL "B".

DRAFT

CALTRANS SIGHT DISTANCE STANDARDS		
DESIGN SPEED (MPH)	STOPPING (FT)	PASSING (FT)
10	50	--
15	100	--
20	125	800
25	150	950

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ACCESSIBILITY SECTION
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MT. DIABLO STATE PARK
ROADWAY SIGNING & STRIPING IMPROVEMENTS

NORTH GATE ROAD
PASSING SIGHT DISTANCE TABLE

DRAWING NO.
XXXX.XXX

SHEET NO.
C-12
15 OF 15

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