11. LIST OF ATTACHMENTS

A. Draft Environmental Document

B. Location map

C. Layout Maps

D. Typical sections

E. Project Report Cost Estimate

F. R/W Data Sheet

G. Traffic Management Plan

H. Risk Management Plan

I. Storm Water Data Report

DRAFT ENVIRONMENTAL DOCUMENT

The Draft Environmental Document is attached under separate cover.

ATTACHMENT A

04-NAP-12, KP KP 0.4/5.3 (PM 0.2/3.3)
04-SOL-12, KP 0.0/R4.2 (PM 0.0/R2.6)
EA 264100
04-NAP-29, KP6.7/8.7 (PM 4.2/5.4)
04-NAP-12, KP 0.0/0.4)PM 0.0/0.2)
EA 287900

On State Route 12 (Jameson Canyon Road)
from State Route 29 in Napa County to Red Top Road in Solano County
and
On State Route 29 in Napa County
from north of Kelly Road South to south of Route 221

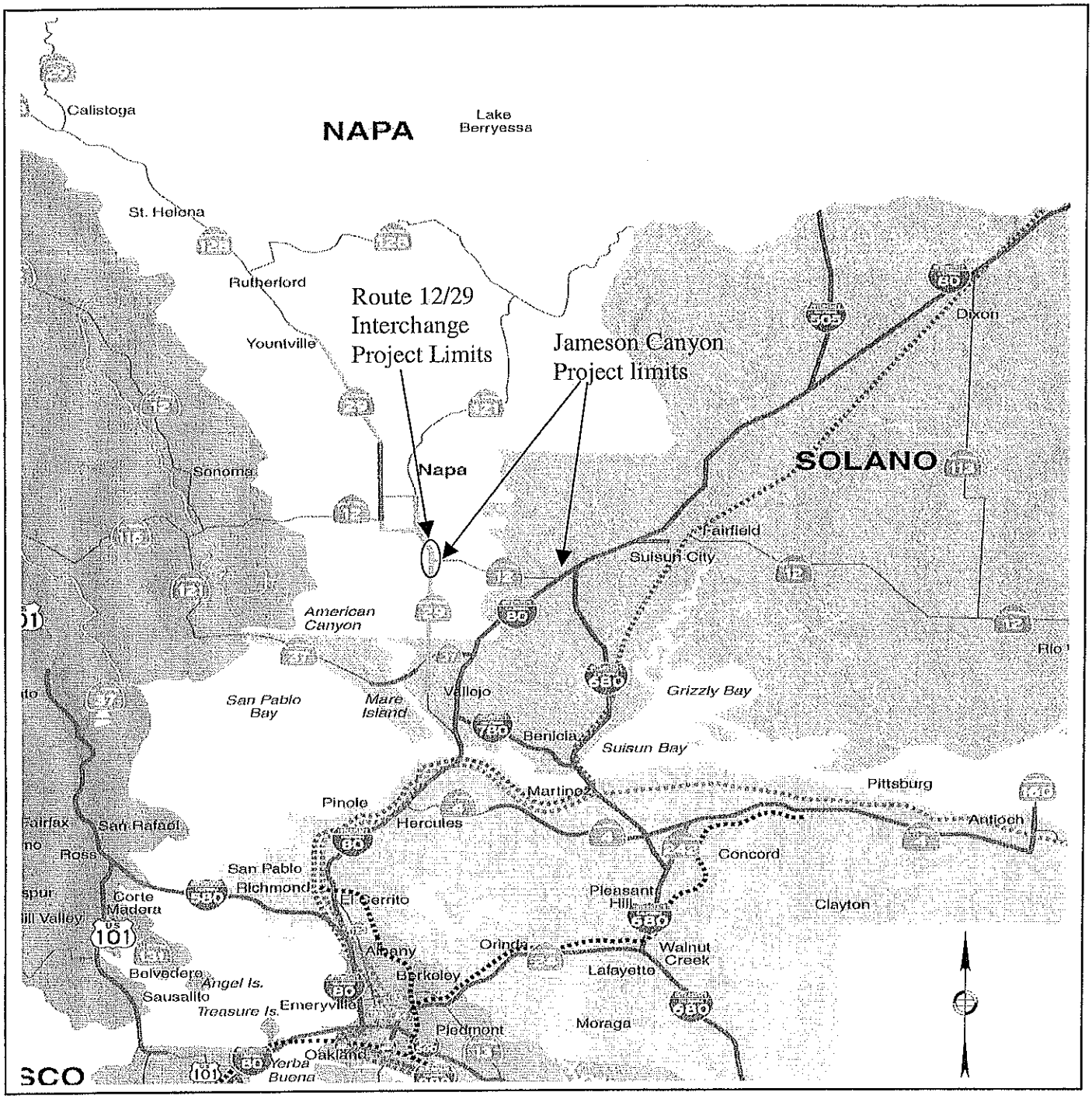
INITIAL STUDY with PROPOSED MITIGATED NEGATIVE DECLARATION (CEQA) and ENVIRONMENTAL ASSESSMENT (NEPA)

Submitted Pursuant to: (State) Division 13, Public Resources Code
(Federal) 42 USC 4332(2)(C)

Prepared by
THE STATE OF CALIFORNIA
Department of Transportation

8-1-07
Date of Approval

Bijan Sartipi
District Director
District 4
California Department of Transportation



Vicinity Map

EA: 264100 Jameson Canyon Widening Project
Napa-12 KP 0.39-5.3 (PM 0.24-3.3)
Sol-12 KP 0.0-R4.2 (PM 0.0-R2.6)

EA: 287900 Route 12/29 Interchange Project
Napa-29 KP 6.7-8.7 (PM 4.2-5.38)
Napa-12 KP 0.0-0.39 (PM 0.0-0.24)

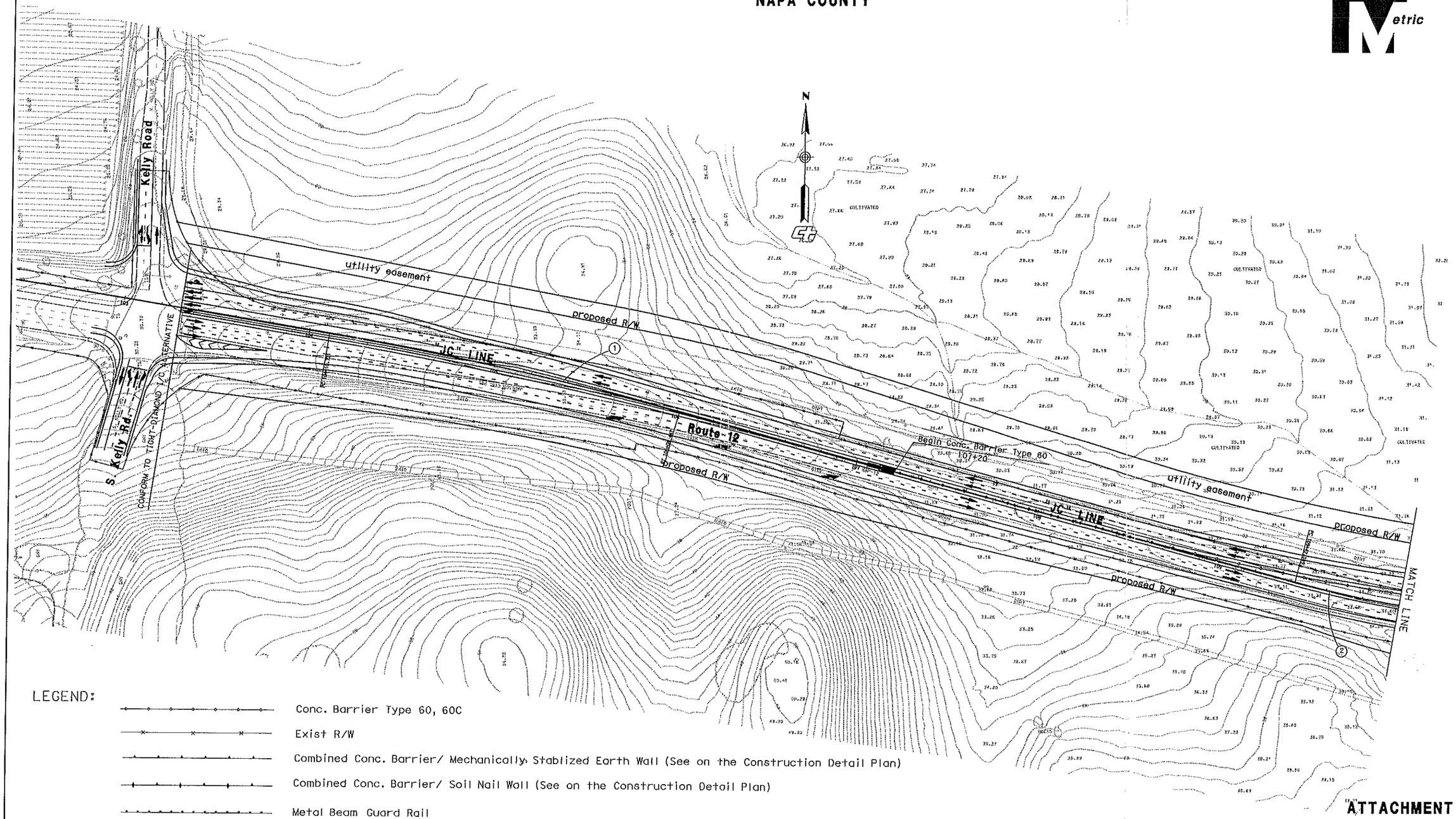
ATTACHMENT B

CURVE DATA

No.	R	Δ	T	L	N	E
(1)	1950.01	5°36'13"	95.43	190.72	559815.38	1977606.55
(2)	611.40	15°38'13"	83.95	166.86	562203.45	1978593.54

NAPA COUNTY

Caltrans Metric



LEGEND:

- Conc. Barrier Type 60, 60C
- Exist R/W
- Combined Conc. Barrier/ Mechanically Stablized Earth Wall (See on the Construction Detail Plan)
- Combined Conc. Barrier/ Soil Nail Wall (See on the Construction Detail Plan)
- Metal Beam Guard Rail
- Crash Cushion

ATTACHMENT C

NAPA-12 KP 0.39-5.3
PM 0.24-3.3
SOL-12 KP 0.0-R4.2
PM 0.0-R2.6

Scale Ratio: 1:2000 Horiz

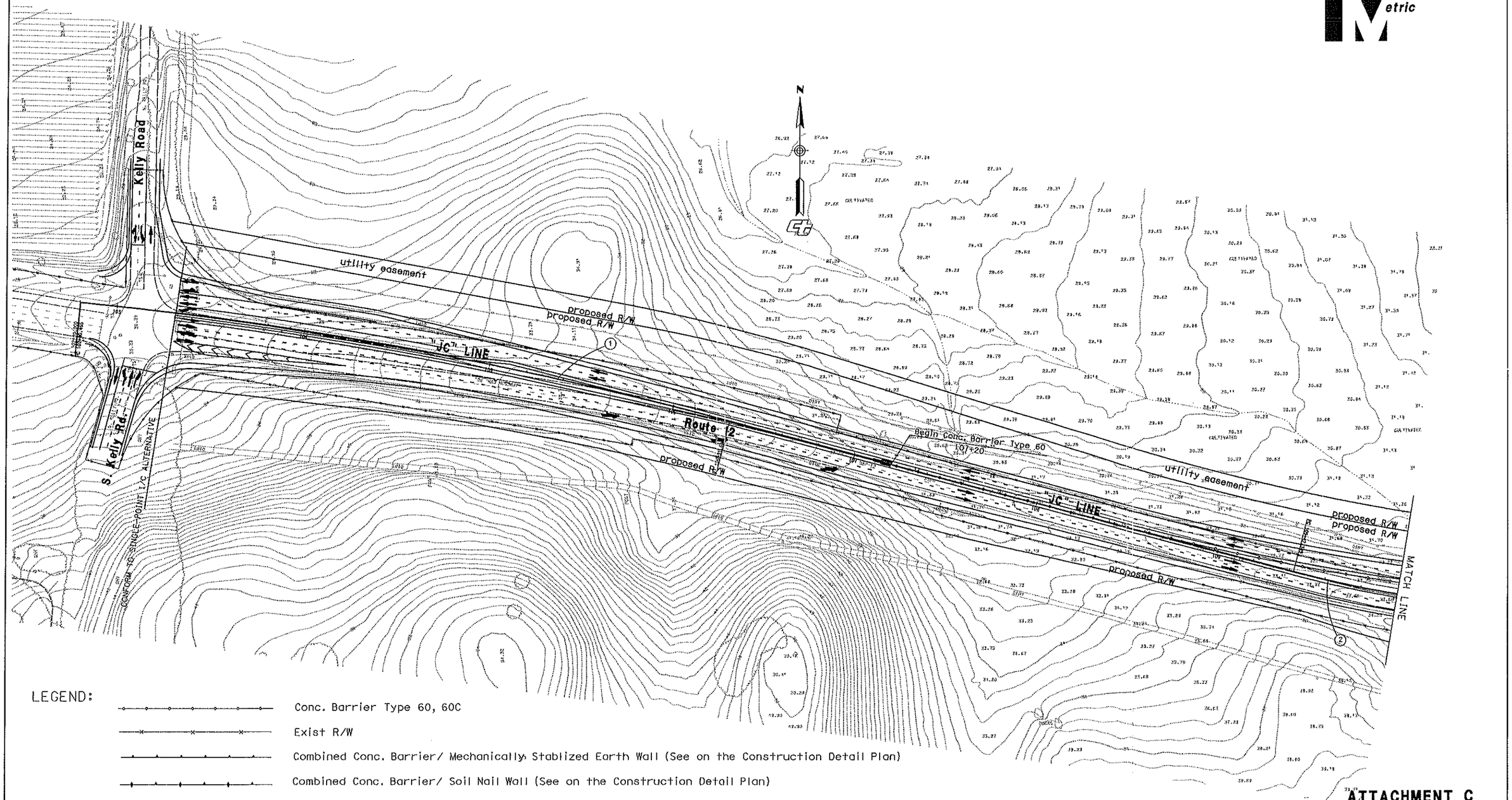
JAMESON CANYON PROJECT
LAYOUT SHEET
SHEET 1 OF 12 EA: 264100

CURVE DATA

No.	R	Δ	T	L	N	E
(1)	2200.00	9°8'50"	175.99	351.23	559566.00	1977571.61
(2)	611.40	15°38'13"	83.95	166.86	562203.45	1978593.54

NAPA COUNTY

Caltrans Metric



LEGEND:

- Conc. Barrier Type 60, 60C
- Exist R/W
- Combined Conc. Barrier/ Mechanically Stablized Earth Wall (See on the Construction Detail Plan)
- Combined Conc. Barrier/ Soil Nail Wall (See on the Construction Detail Plan)
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- Crash Cushion

ATTACHMENT C

NAPA-12 KP 0.39-5.3
PM 0.24-3.3
SOL-12 KP 0.0-R4.2
PM 0.0-R2.6

Scale Ratio: 1:2000 Horiz

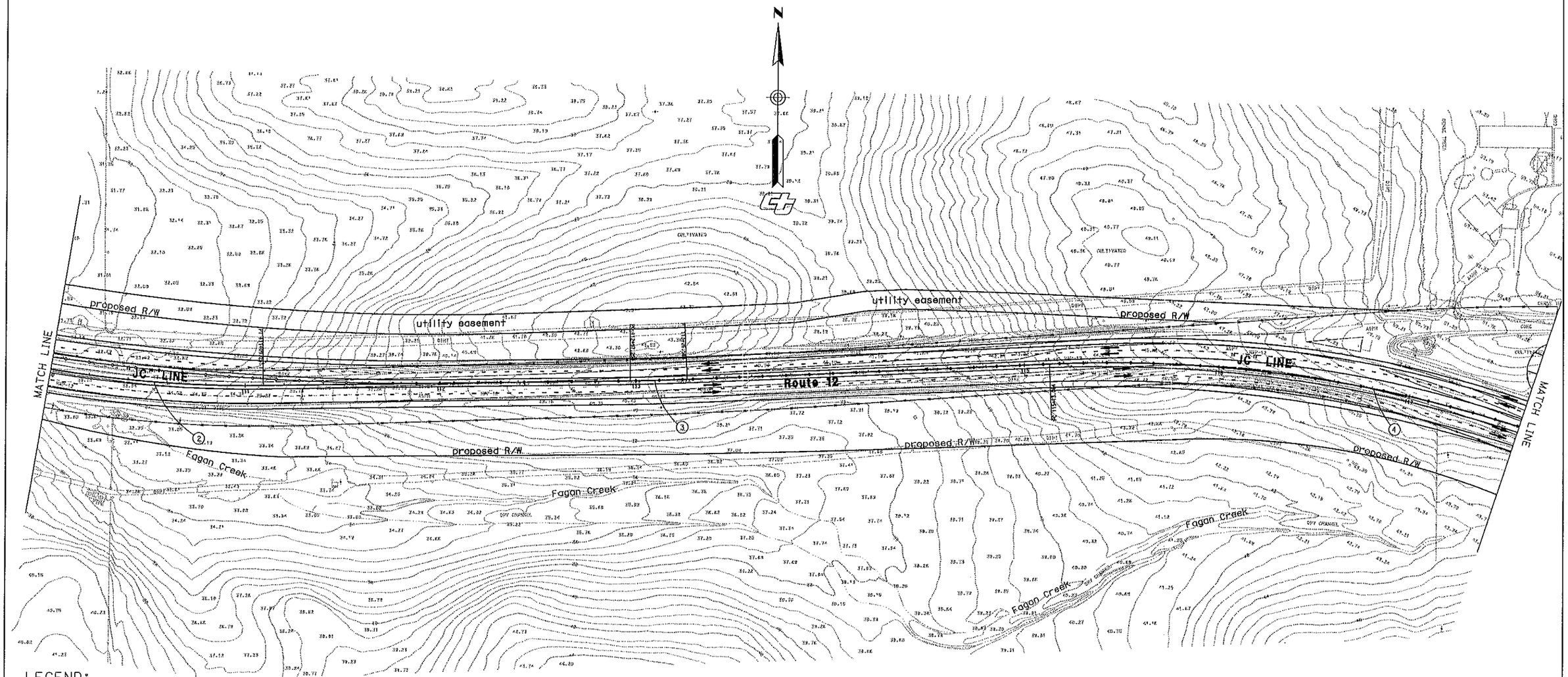
JAMESON CANYON PROJECT
LAYOUT SHEET
SHEET 1A OF 12 EA: 264100

CURVE DATA

No.	R	Δ	T	L	N	E
(2)	611.40	15°38'13"	83.95	166.86	562203.45	1978593.54
(3)	1000.01	1°40'49"	14.67	29.33	562594.54	1978776.35
(4)	700.00	27°47'33"	173.18	339.55	560904.02	1979035.17

NAPA COUNTY

Caltrans Metric



LEGEND:

- Conc. Barrier Type 60, 60C
- Exist R/W
- Combined Conc. Barrier/ Mechanically Stablized Earth Wall (See on the Construction Detail Plan)
- Combined Conc. Barrier/ Soil Nail Wall (See on the Construction Detail Plan)
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- Crash Cushion

ATTACHMENT C

NAPA-12 KP 0.39-5.3
PM 0.24-3.3
SOL-12 KP 0.0-R4.2
PM 0.0-R2.6

Scale Ratio: 1:2000 Horiz

JAMESON CANYON PROJECT
LAYOUT SHEET

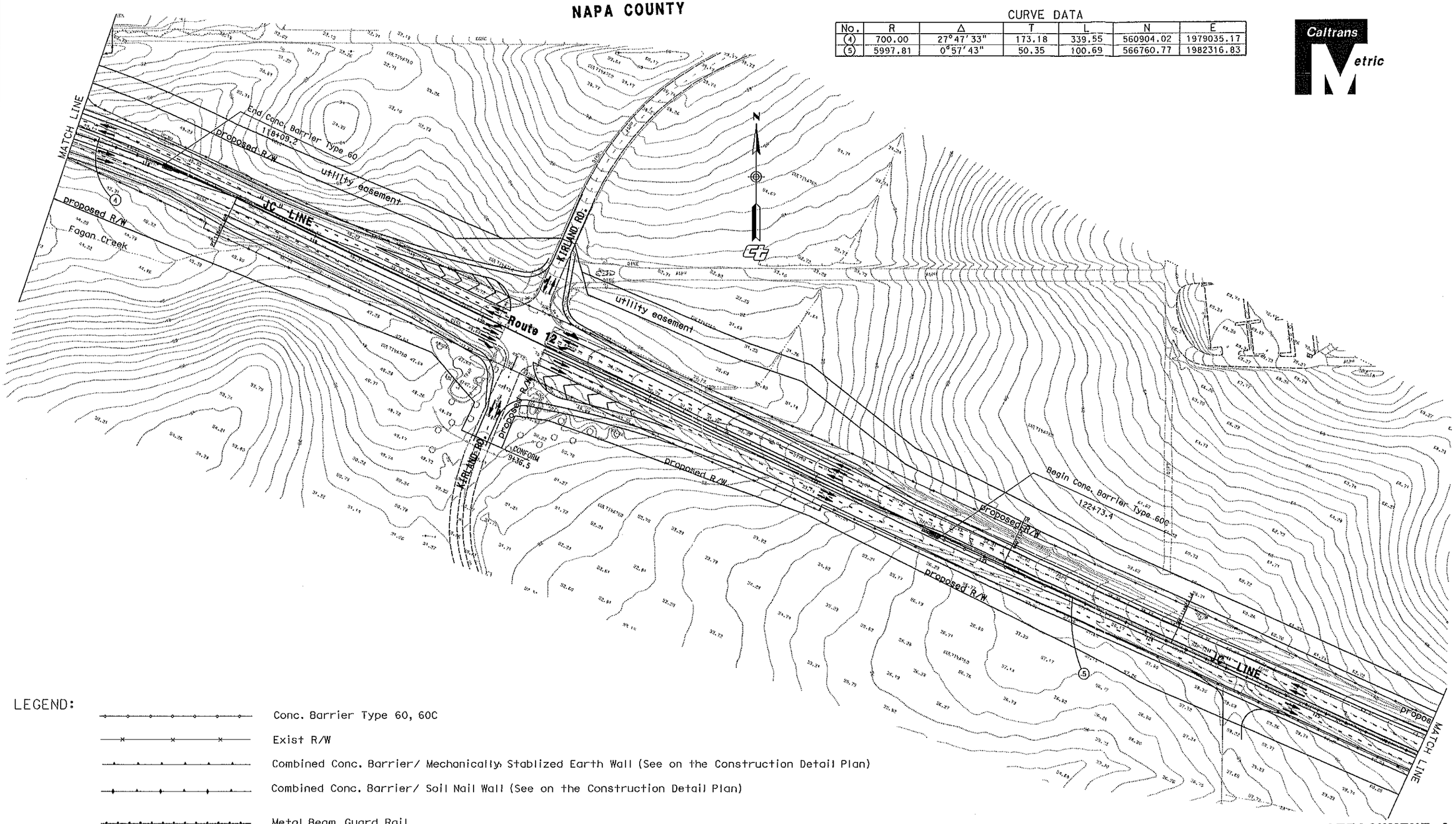
SHEET 2 OF 12 EA: 264100

NAPA COUNTY

CURVE DATA

No.	R	Δ	T	L	N	E
(4)	700.00	27°47'33"	173.18	339.55	560904.02	1979035.17
(5)	5997.81	0°57'43"	50.35	100.69	566760.77	1982316.83

Caltrans Metric



LEGEND:

- Conc. Barrier Type 60, 60C
- Exist R/W
- Combined Conc. Barrier/ Mechanically Stablized Earth Wall (See on the Construction Detail Plan)
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- Crash Cushion

ATTACHMENT C

NAPA-12 KP 0.39-5.3
PM 0.24-3.3
SOL-12 KP 0.0-R4.2
PM 0.0-R2.6

Scale Ratio: 1:2000 Horiz

JAMESON CANYON PROJECT
LAYOUT SHEET

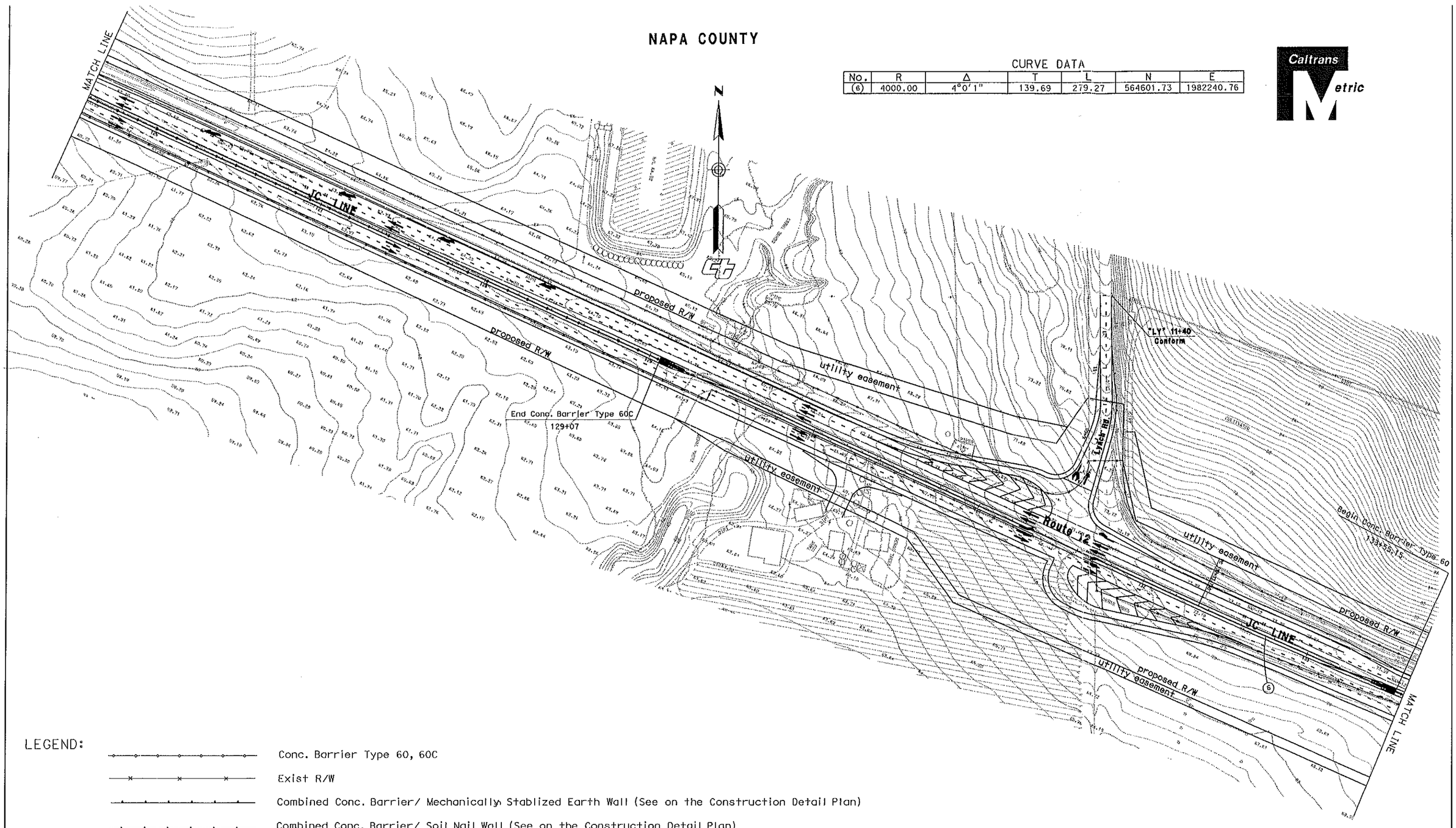
SHEET 3 OF 12 EA: 264100

NAPA COUNTY

CURVE DATA

No.	R	Δ	T	L	N	E
(6)	4000.00	4°0'1"	139.69	279.27	564601.73	1982240.76

Caltrans Metric



LEGEND:

- Conc. Barrier Type 60, 60C
- Exist R/W
- Combined Conc. Barrier/ Mechanically Stablized Earth Wall (See on the Construction Detail Plan)
- Combined Conc. Barrier/ Soil Nail Wall (See on the Construction Detail Plan)
- Metal Beam Guard Rail
- Crash Cushion

ATTACHMENT C

NAPA-12 KP 0.39-5.3
PM 0.24-3.3
SOL-12 KP 0.0-R4.2
PM 0.0-R2.6

Scale Ratio: 1:2000 Horiz

JAMESON CANYON PROJECT
LAYOUT SHEET

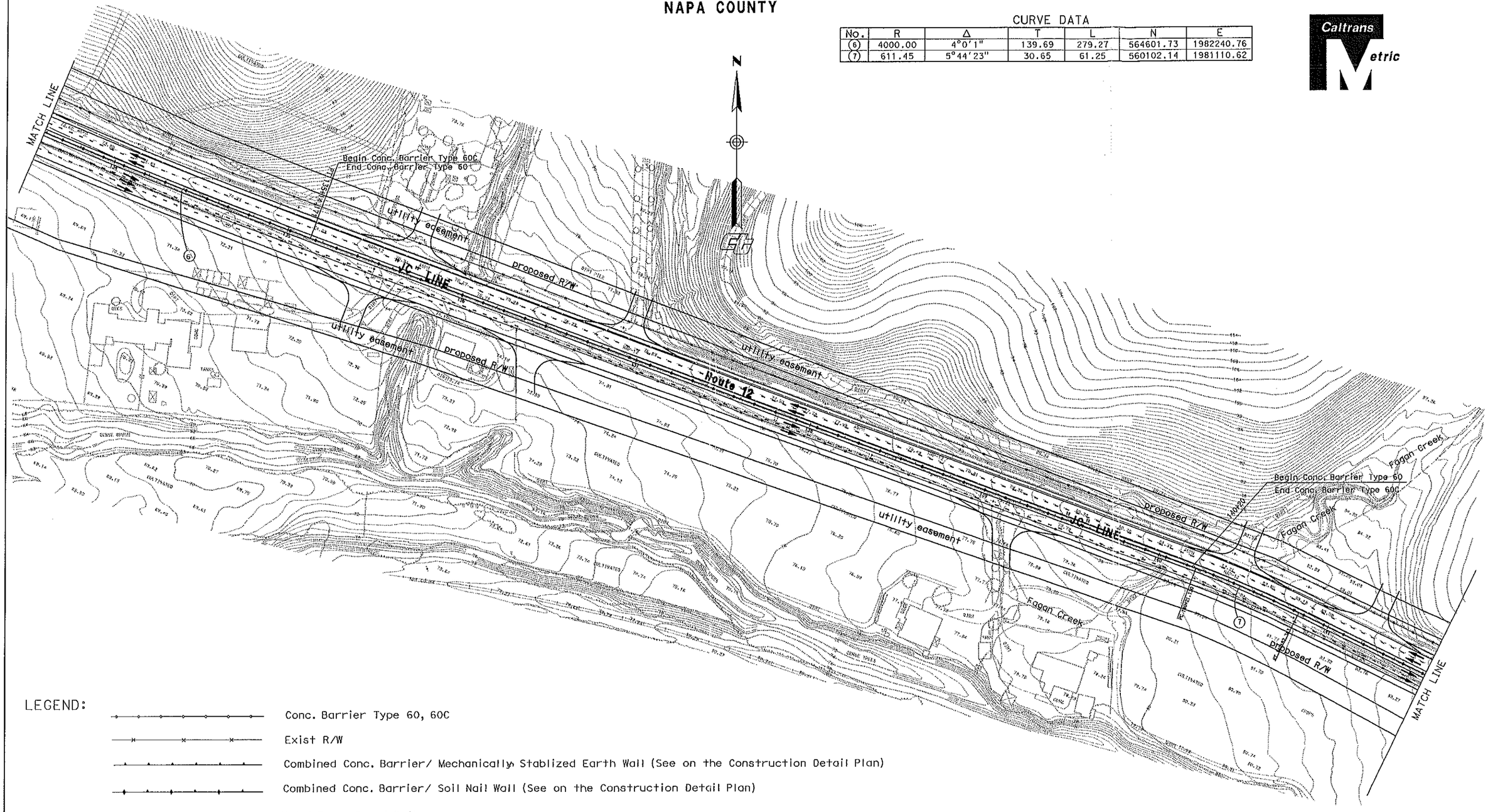
SHEET 4 OF 12 EA: 264100

NAPA COUNTY

CURVE DATA

No.	R	Δ	T	L	N	E
(6)	4000.00	4°0'1"	139.69	279.27	564601.73	1982240.76
(7)	611.45	5°44'23"	30.65	61.25	560102.14	1981110.62

Caltrans Metric



LEGEND:

- Conc. Barrier Type 60, 60C
- Exist R/W
- Combined Conc. Barrier/ Mechanically Stablized Earth Wall (See on the Construction Detail Plan)
- Combined Conc. Barrier/ Soil Nail Wall (See on the Construction Detail Plan)
- Metal Beam Guard Rail
- Crash Cushion

ATTACHMENT C

NAPA-12 KP 0.39-5.3
PM 0.24-3.3
SOL-12 KP 0.0-R4.2
PM 0.0-R2.6

Scale Ratio: 1:2000 Horiz

JAMESON CANYON PROJECT
LAYOUT SHEET

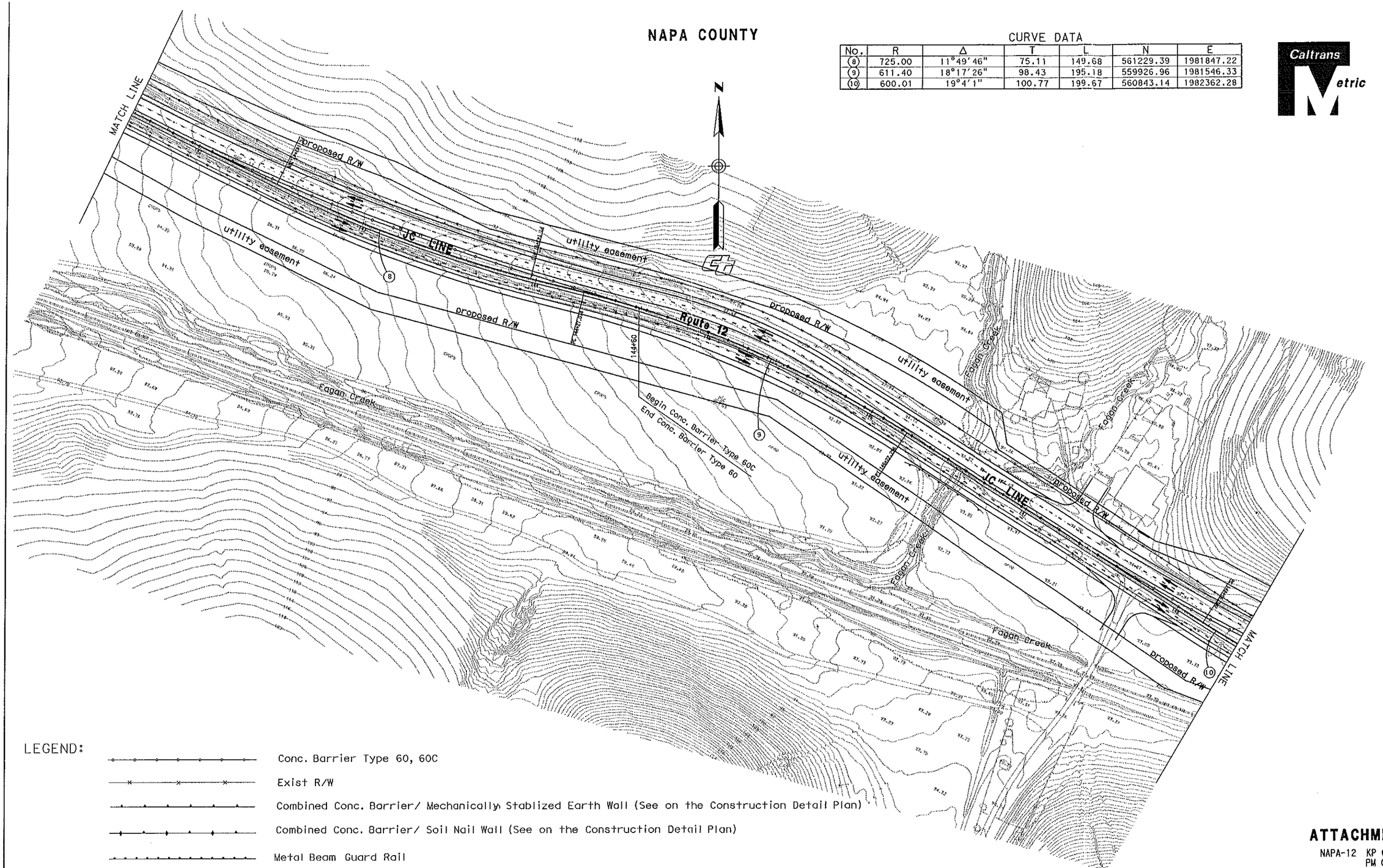
SHEET 5 OF 12 EA: 264100

NAPA COUNTY

CURVE DATA

No.	R	Δ	T	L	N	E
(8)	725.00	11°49'46"	75.11	149.68	561229.39	1981847.22
(9)	611.40	18°17'26"	98.43	195.18	559926.96	1981546.33
(10)	600.01	19°4'1"	100.77	199.67	560843.14	1982362.28

Caltrans Metric



LEGEND:

- Conc. Barrier Type 60, 60C
- Exist R/W
- Combined Conc. Barrier/ Mechanically Stablized Earth Wall (See on the Construction Detail Plan)
- Combined Conc. Barrier/ Soil Nail Wall (See on the Construction Detail Plan)
- Metal Beam Guard Rail
- Crash Cushion

ATTACHMENT C

NAPA-12 KP 0.39-5.3
PM 0.24-3.3
SOL-12 KP 0.0-R4.2
PM 0.0-R2.6

Scale Ratio: 1:2000 Horiz

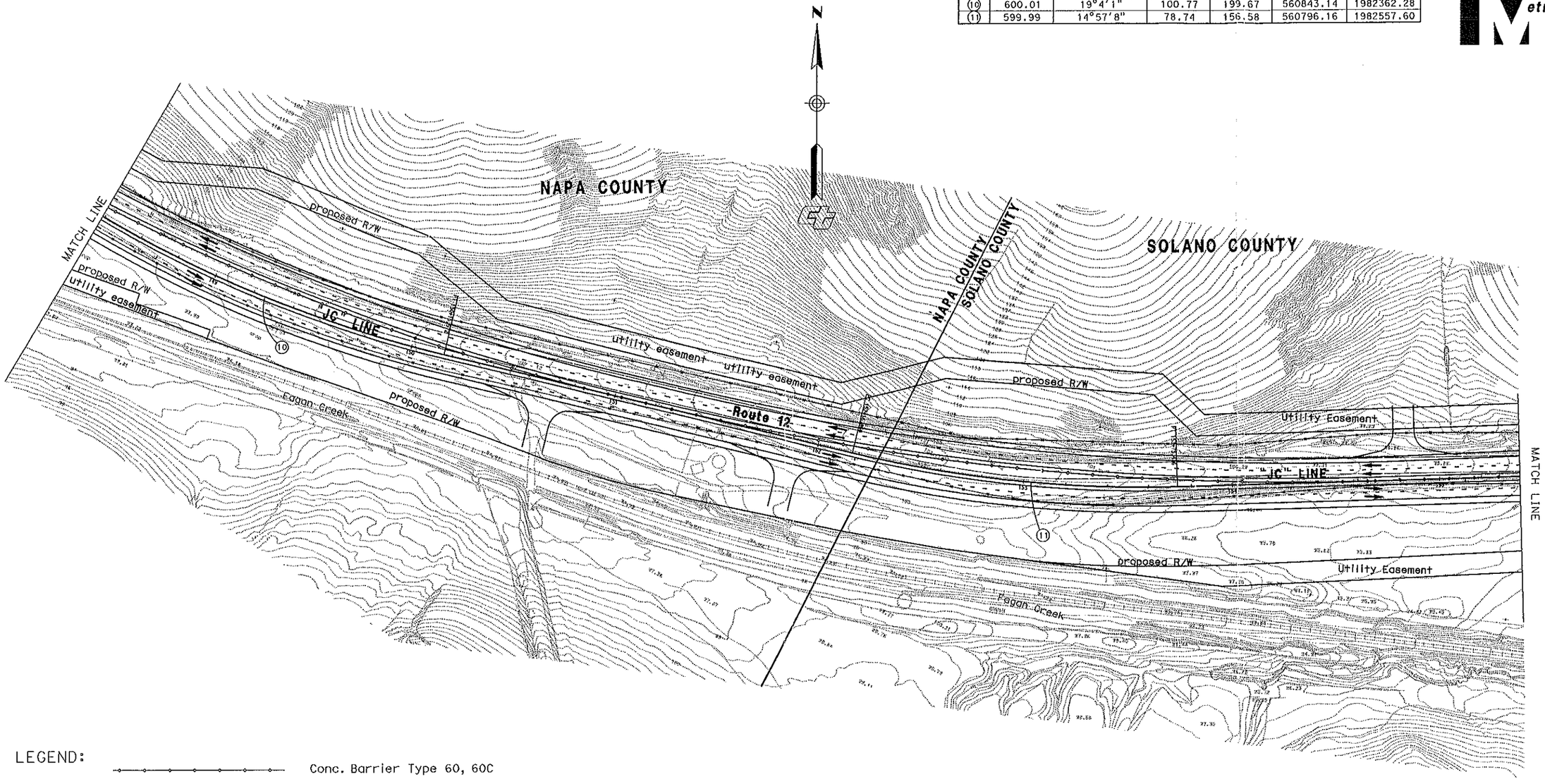
JAMESON CANYON PROJECT
LAYOUT SHEET

SHEET 6 OF 12 EA: 264100

CURVE DATA

No.	R	Δ	T	L	N	E
(10)	600.01	19°4'1"	100.77	199.67	560843.14	1982362.28
(11)	599.99	14°57'8"	78.74	156.58	560796.16	1982557.60

Caltrans Metric



LEGEND:

- Conc. Barrier Type 60, 60C
- Exist R/W
- Combined Conc. Barrier/ Mechanically Stablized Earth Wall (See on the Construction Detail Plan)
- Combined Conc. Barrier/ Soil Nail Wall (See on the Construction Detail Plan)
- Meatal Beam Guard Rail
- Crash Cushion

ATTACHMENT C

NAPA-12 KP 0.39-5.3
PM 0.24-3.3
SOL-12 KP 0.0-R4.2
PM 0.0-R2.6

Scale Ratio: 1:2000 Horiz

JAMESON CANYON PROJECT
LAYOUT SHEET

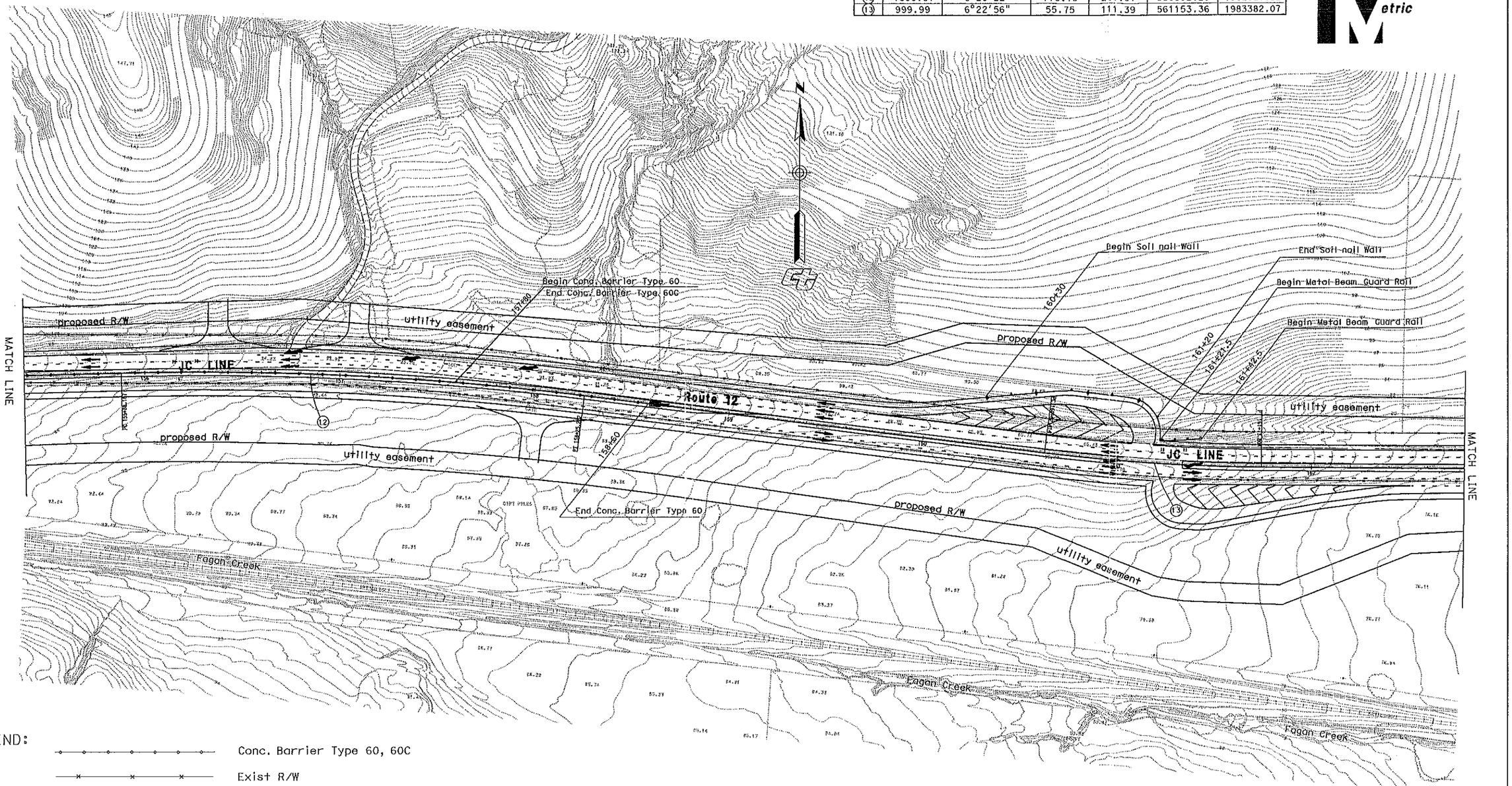
SHEET 7 OF 12 EA: 264100

SOLANO COUNTY

CURVE DATA

No.	R	Δ	T	L	N	E
(12)	1600.01	8°29'22"	118.75	237.07	558602.20	1982827.22
(13)	999.99	6°22'56"	55.75	111.39	561153.36	1983382.07

Caltrans Metric



LEGEND:

- Conc. Barrier Type 60, 60C
- Exist R/W
- Combined Conc. Barrier/ Mechanically Stablized Earth Wall (See on the Construction Detail Plan)
- Combined Conc. Barrier/ Soil Nail Wall (See on the Construction Detail Plan)
- Metal Beam Guard Rail
- Crash Cushion

ATTACHMENT C

NAPA-12 KP 0.39-5.3
PM 0.24-3.3
SOL-12 KP 0.0-R4.2
PM 0.0-R2.6

Scale Ratio: 1:2000 Horiz

JAMESON CANYON PROJECT
LAYOUT SHEET

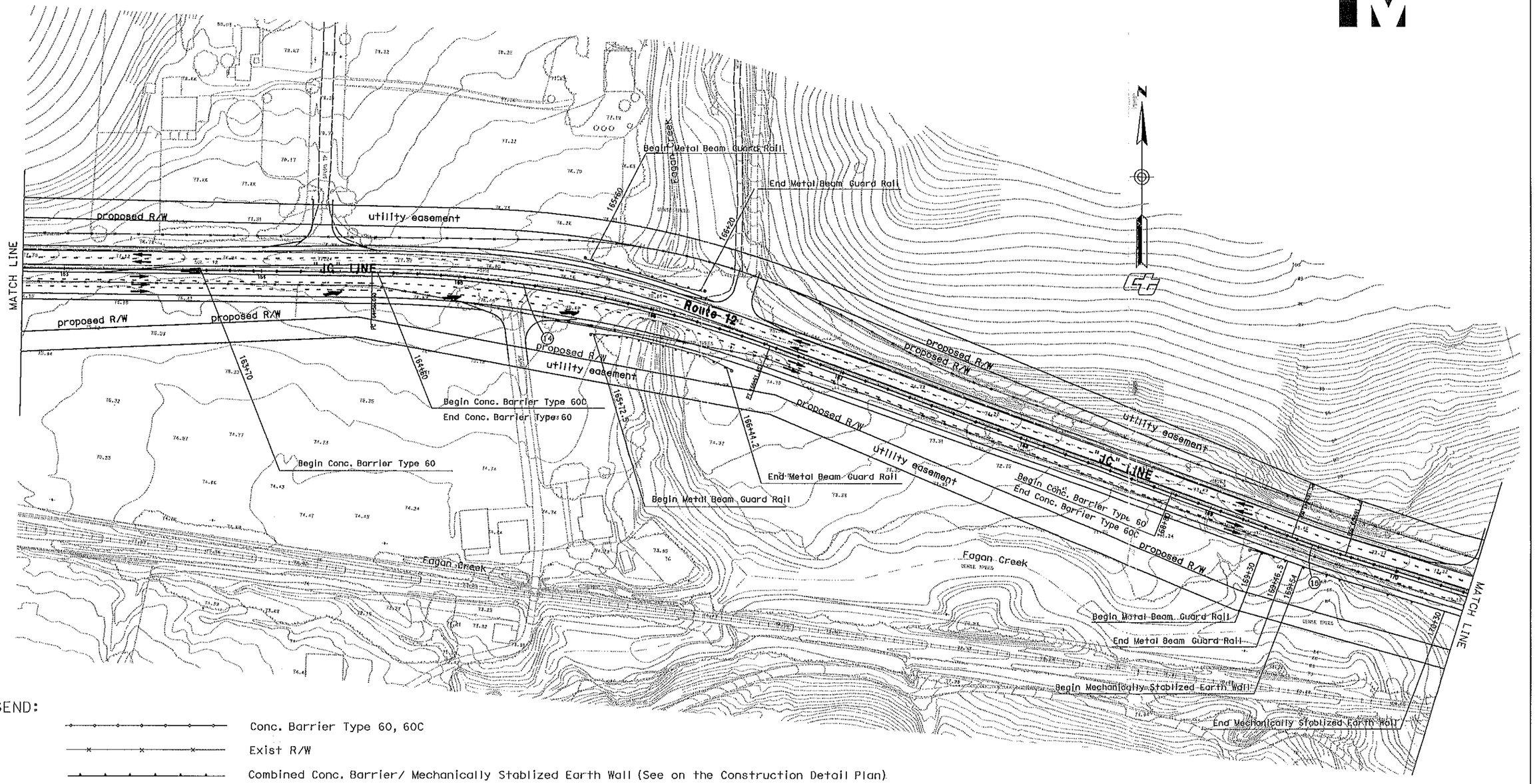
SHEET 8 OF 12 EA: 264100

SOLANO COUNTY

CURVE DATA

No.	R	Δ	T	L	N	E
(14)	611.40	19°17'17"	103.89	205.82	559538.75	1983645.26
(15)	611.40	2°47'2"	14.86	29.71	560591.79	1984327.78

Caltrans Metric



LEGEND:

- Conc. Barrier Type 60, 60C
- Exist R/W
- Combined Conc. Barrier/ Mechanically Stablized Earth Wall (See on the Construction Detail Plan)
- Combined Conc. Barrier/ Soil Nail Wall (See on the Construction Detail Plan)
- Metal Beam Guard Rail
- Crash Cushion

ATTACHMENT C

NAPA-12 KP 0.39-5.3
PM 0.24-3.3
SOL-12 KP 0.0-R4.2
PM 0.0-R2.6

Scale Ratio: 1:2000 Horiz

JAMESON CANYON PROJECT
LAYOUT SHEET

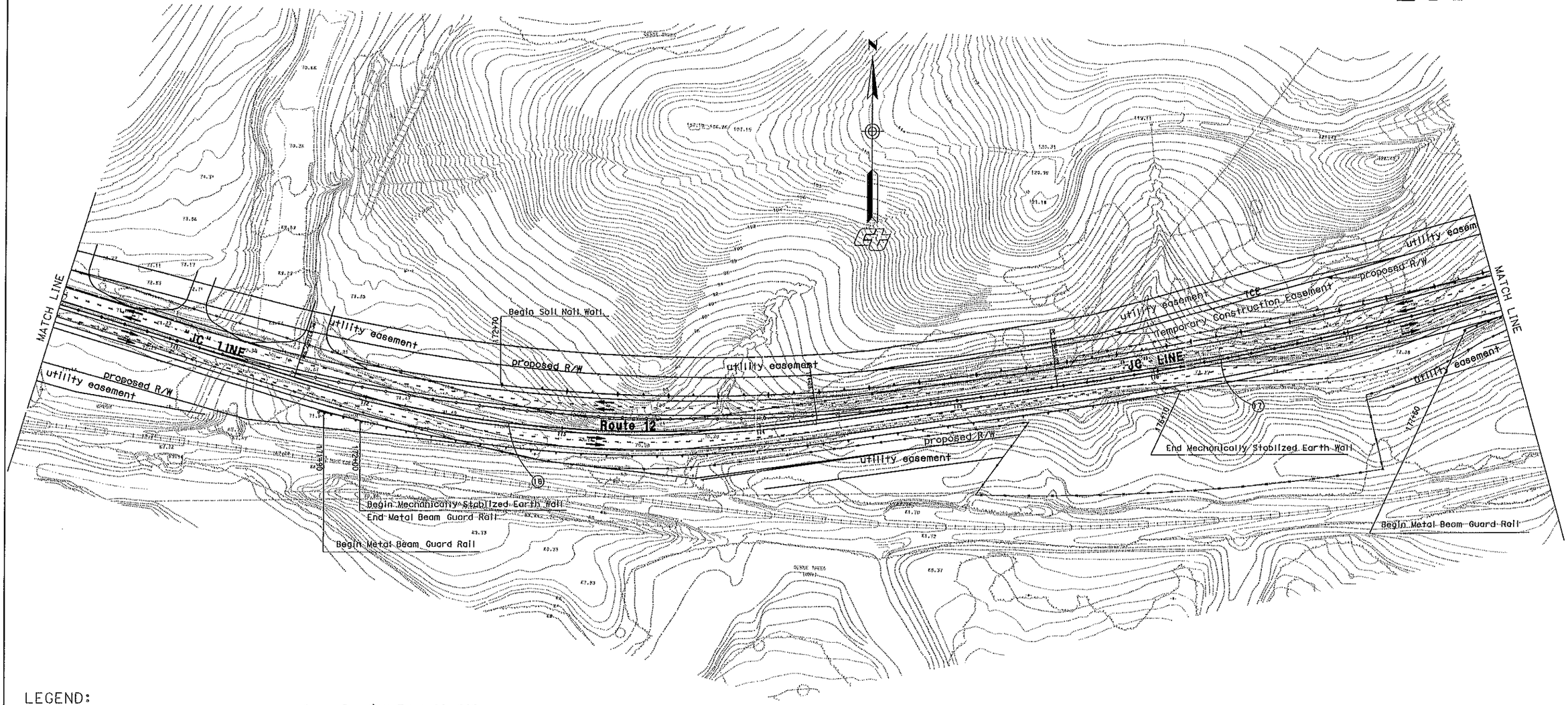
SHEET 9 OF 12 EA: 264100

SOLANO COUNTY

CURVE DATA

No.	R	Δ	T	L	N	E
(16)	610.00	25°0'52"	135.31	266.32	560534.66	1984507.82
(17)	1700.04	8°29'11"	126.13	251.80	561631.20	1984480.41

Caltrans Metric



LEGEND:

- Conc. Barrier Type 60, 60C
- Exist R/W
- Combined Conc. Barrier/ Mechanically Stablized Earth Wall (See on the Construction Detail Plan)
- Combined Conc. Barrier/ Soil Nail Wall (See on the Construction Detail Plan)
- Metal Beam Guard Rail
- Crash Cushion

ATTACHMENT C

NAPA-12 KP 0.39-5.3
PM 0.24-3.3
SOL-12 KP 0.0-R4.2
PM 0.0-R2.6

Scale Ratio: 1:2000 Horiz

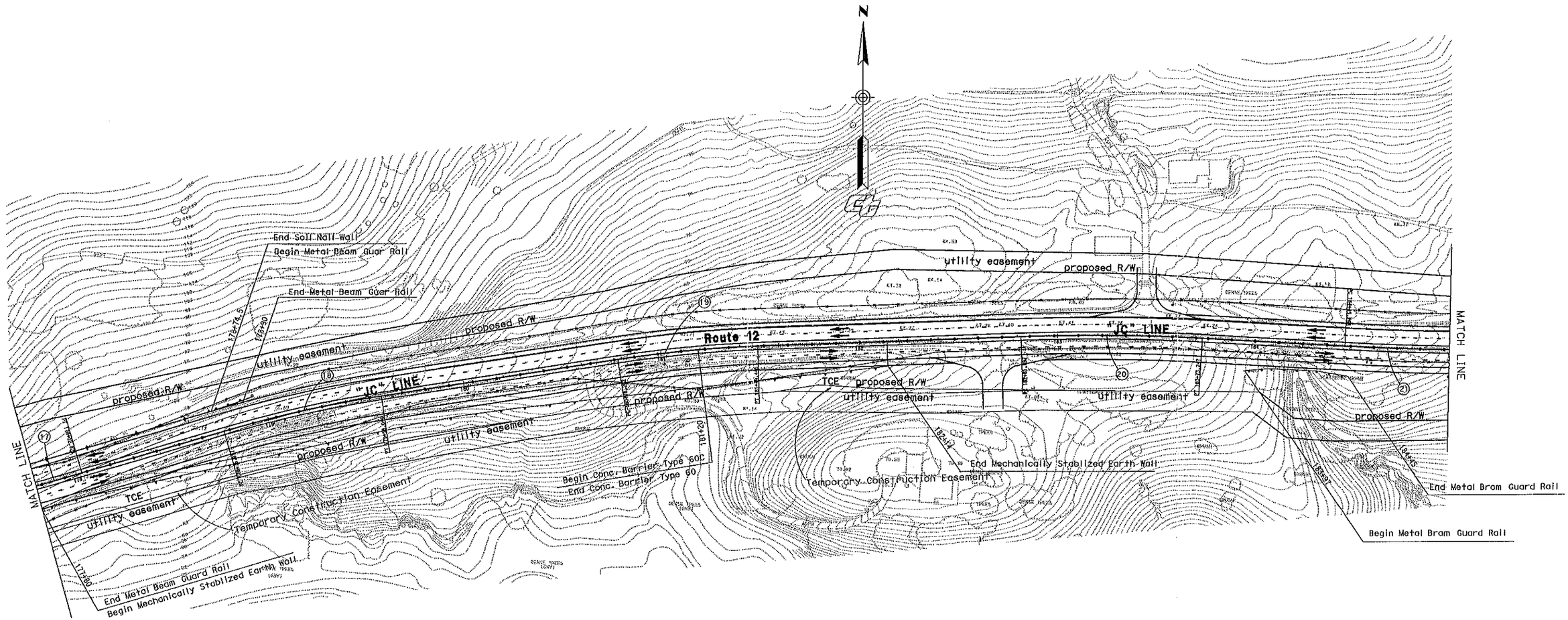
JAMESON CANYON PROJECT
LAYOUT SHEET

SHEET 10 OF 12 EA: 264100

SOLANO COUNTY

CURVE DATA

No.	R	Δ	T	L	N	E
(17)	1700.04	8°29'11"	126.13	251.80	561631.20	1984480.41
(18)	611.41	7°36'10"	40.62	81.13	559433.71	1985201.05
(19)	611.45	6°40'13"	35.63	71.18	559451.88	1985319.88
(20)	1000.02	5°14'2"	45.71	91.35	559068.30	1985466.12
(21)	1499.96	3°0'19"	39.35	78.68	561560.41	1985677.02



LEGEND:

- Conc. Barrier Type 60, 60C
- Exist R/W
- Combined Conc. Barrier/ Mechanically Stablized Earth Wall (See on the Construction Detail Plan)
- Combined Conc. Barrier/ Soil Nail Wall (See on the Construction Detail Plan)
- Metal Beam Guard Rail
- Crash Cushion

ATTACHMENT C

NAPA-12 KP 0.39-5.3
PM 0.24-3.3
SOL-12 KP 0.0-R4.2
PM 0.0-R2.6

Scale Ratio: 1:2000 Horiz

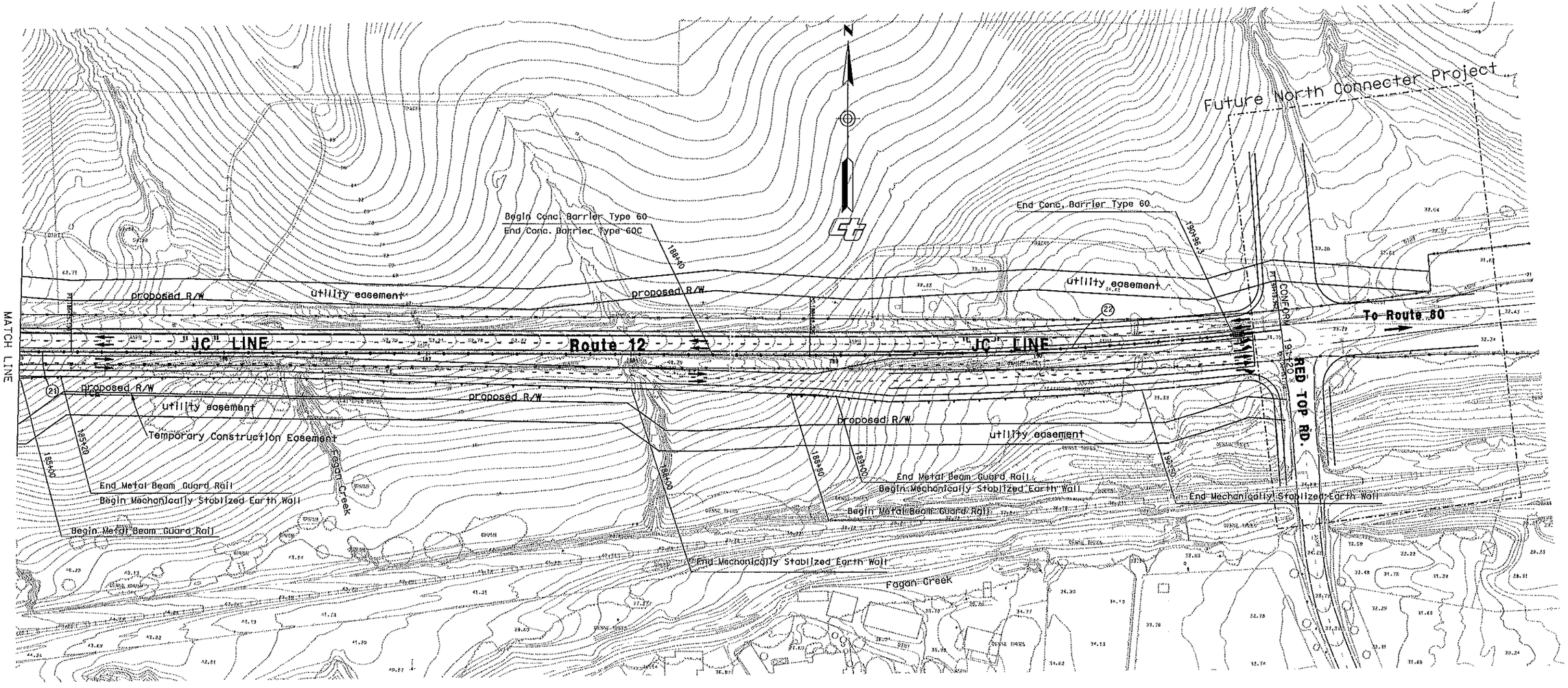
JAMESON CANYON PROJECT
LAYOUT SHEET
SHEET 11 OF 12 EA: 264100

SOLANO COUNTY

CURVE DATA

No.	R	Δ	T	L	N	E
(21)	1500.10	3°0'18"	39.35	78.68	561560.54	1985677.03
(22)	2000.05	6°38'9"	115.95	231.64	562059.34	1986041.73

Caltrans Metric



LEGEND:

- Conc. Barrier Type 60, 60C
- Exist R/W
- Combined Conc. Barrier/ Mechanically Stabilized Earth Wall (See on the Construction Detail Plan)
- Combined Conc. Barrier/ Soil Nail Wall (See on the Construction Detail Plan)
- Metal Beam Guard Rail
- Crash Cushion

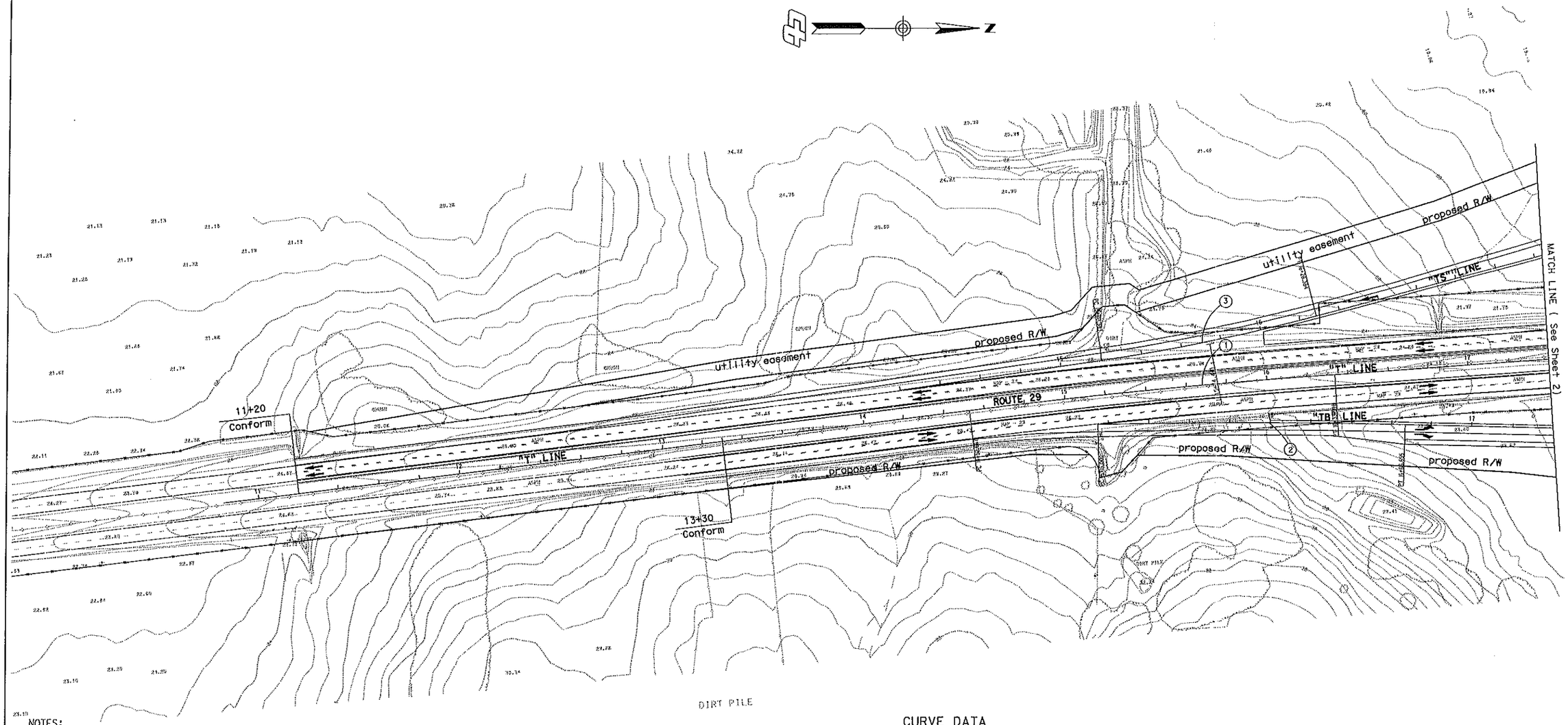
ATTACHMENT C

NAPA-12 KP 0.39-5.3
PM 0.24-3.3
SOL-12 KP 0.0-R4.2
PM 0.0-R2.6

Scale Ratio: 1:2000 Horiz

JAMESON CANYON PROJECT
LAYOUT SHEET
SHEET 12 OF 12 EA: 264100

Caltrans Metric



NOTES:

- Exist R/W
- Metal Beam Guard Rail
- Combined Conc. Barrier / Retaining Wall
- Concrete Barrier
- Crash Cushion (type ADIEM)

CURVE DATA

No.	R	Δ	T	L	N	E
(1)	3000.02	3°27'20"	90.49	180.93	561722.62	1980429.96
(2)	2985.91	2°54'36"	75.84	151.65	561476.56	1980445.30
(3)	1000.00	6°11'15"	54.05	107.99	561271.72	1976439.14

ATTACHMENT C

NAPA-29 KP 6.7-8.7
PM 4.2-5.38

NAPA-12 KP 0.0-0.39
PM 0.0-0.24

Scale Ratio: 1:2000 Horiz

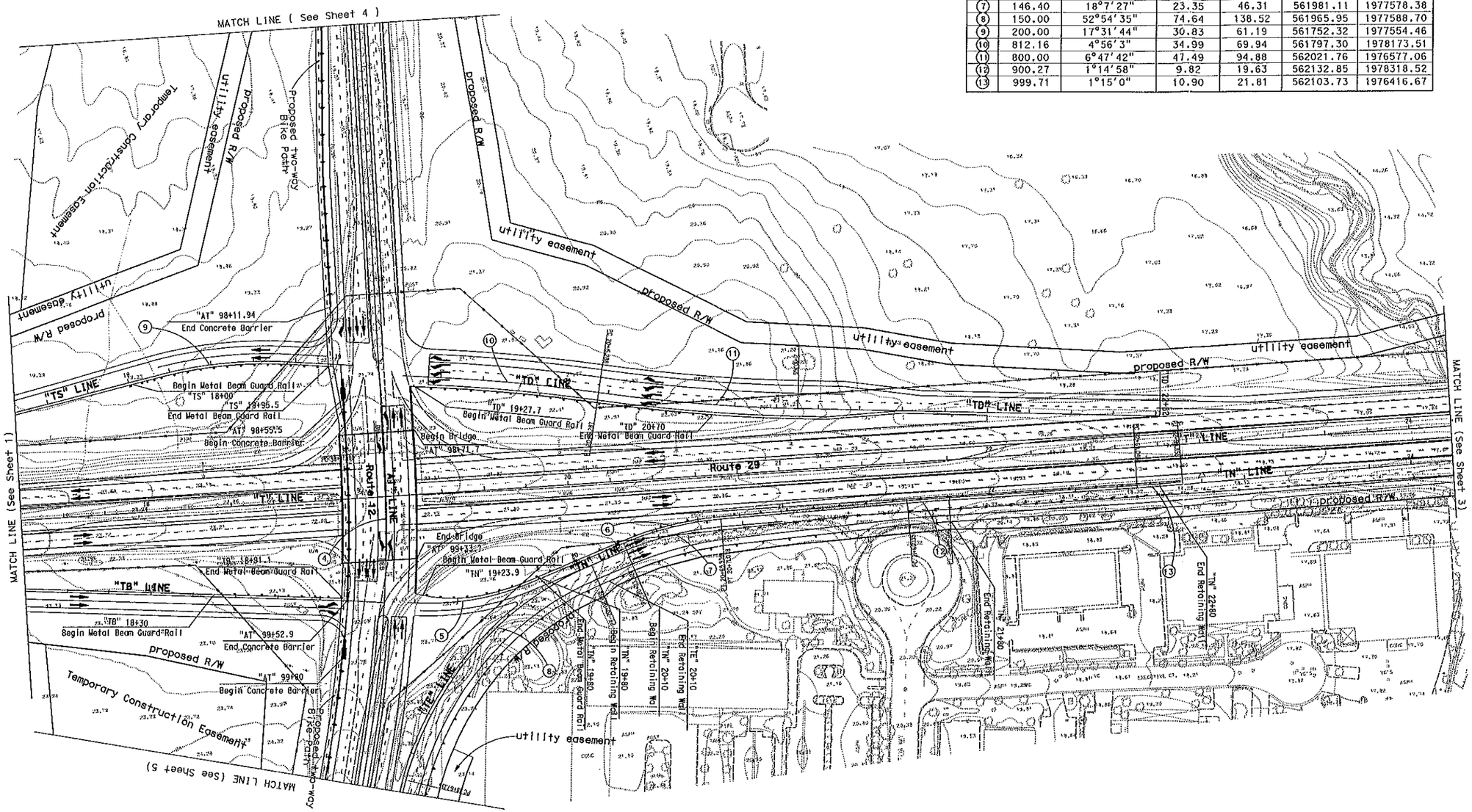
ROUTE12/ROUTE29 TIGHT-DIAMOND INTERCHANGE LAYOUT SHEET

SHEET 1 OF 5

EA 287900

CURVE DATA

No.	R	Δ	T	L	N	E
(4)	620.00	13°1'15"	70.75	140.90	561190.49	1977438.00
(5)	124.63	24°38'50"	27.23	53.61	561830.48	1977343.92
(6)	150.00	18°7'28"	23.92	47.45	561981.10	1977578.38
(7)	146.40	18°7'27"	23.35	46.31	561981.11	1977578.38
(8)	150.00	52°54'35"	74.64	138.52	561965.95	1977588.70
(9)	200.00	17°31'44"	30.83	61.19	561752.32	1977554.46
(10)	812.16	4°56'3"	34.99	69.94	561797.30	1978173.51
(11)	800.00	6°47'42"	47.49	94.88	562021.76	1976577.06
(12)	900.27	1°14'58"	9.82	19.63	562132.85	1978318.52
(13)	999.71	1°15'0"	10.90	21.81	562103.73	1976416.67



NOTES:

Exist R/W

Metal Beam Guard Rail

Combined Conc. Barrier / Retaining Wall

Concrete Barrier

Crash Cushion (type ADIEM)

ATTACHMENT C

NAPA-29 KP 6.7-8.7
PM 4.2-5.38

NAPA-12 KP 0.0-0.39
PM 0.0-0.24

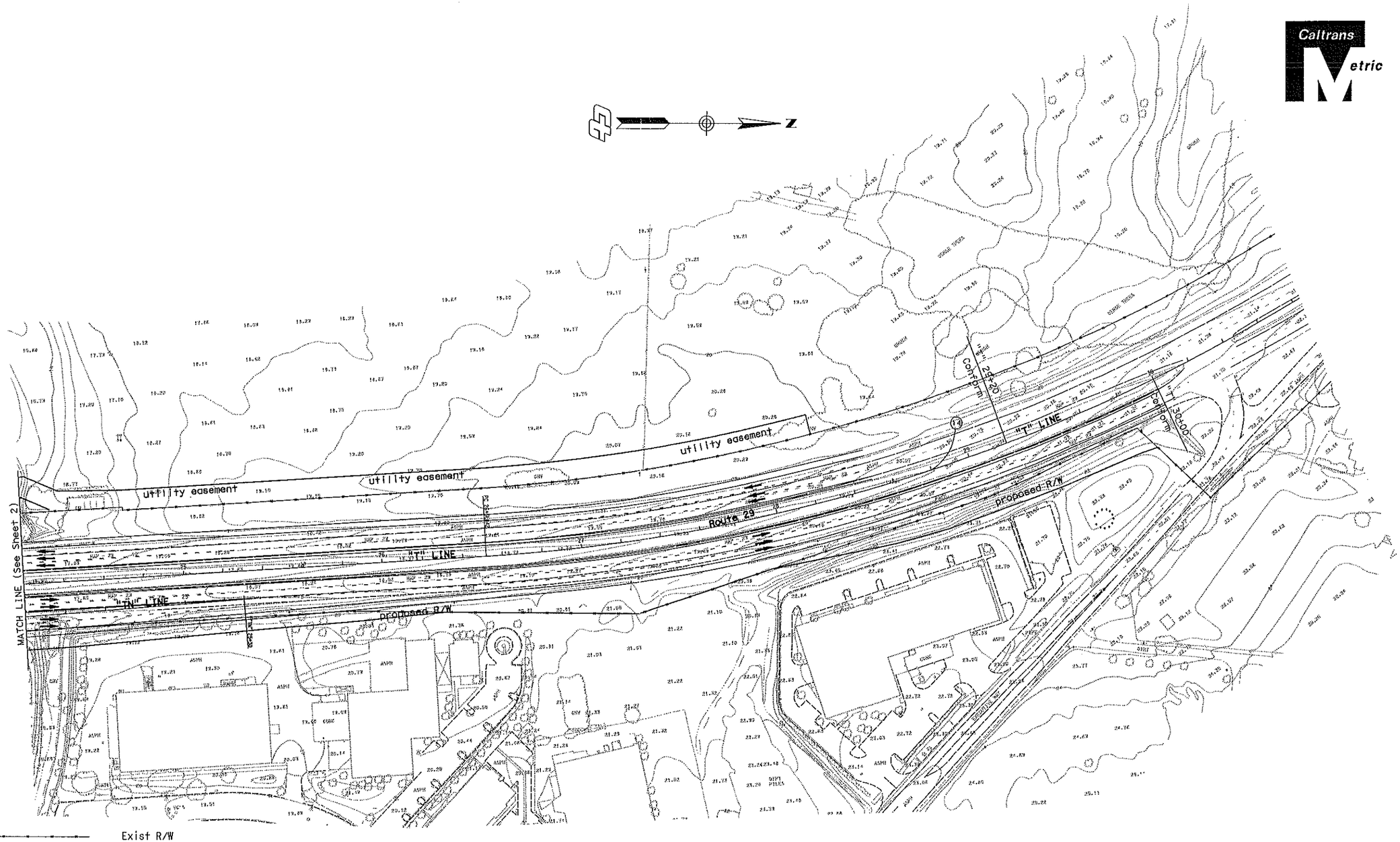
Scale Ratio: 1:2000 Horiz

ROUTE12/ROUTE29 TIGHT-DIAMOND INTERCHANGE LAYOUT SHEET

SHEET 2 OF 5

EA 287900

Caltrans Metric



NOTES:

Exist R/W

Metal Beam Guard Rail

Combined Conc. Barrier / Retaining Wall

Concrete Barrier

Crash Cushion (type ADIEM)

CURVE DATA

No.	R	Δ	T	L	N	E
(12)	897.00	38°41'20"	314.91	605.70	562489.24	1976475.73

ATTACHMENT C

NAPA-29 KP 6.7-8.7
PM 4.2-5.38

NAPA-12 KP 0.0-0.39
PM 0.0-0.24

Scale Ratio: 1:2000 Horiz

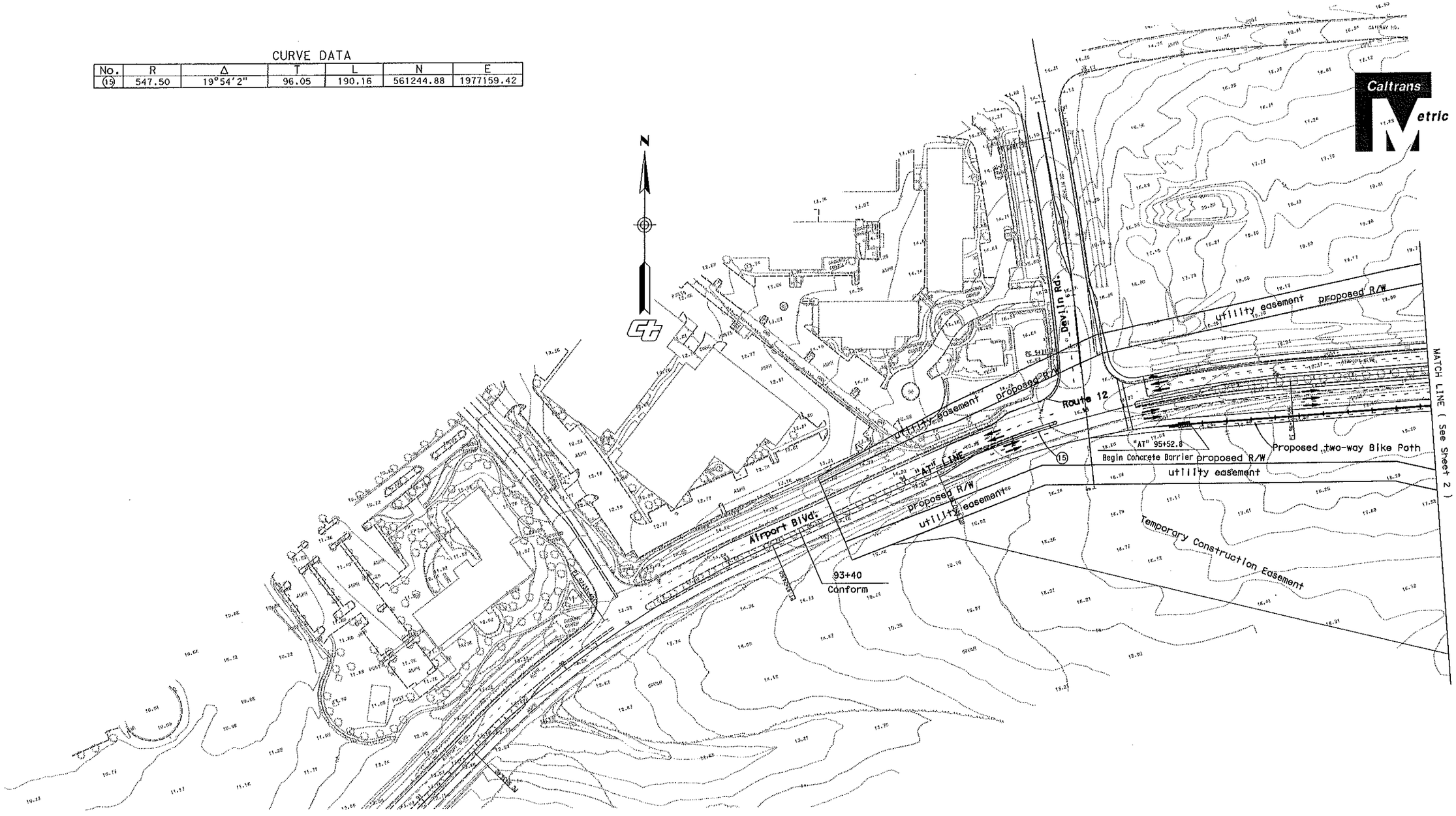
ROUTE12/ROUTE29 TIGHT-DIAMOND INTERCHANGE LAYOUT SHEET

SHEET 3 OF 5

EA 287900

CURVE DATA

No.	R	Δ	T	L	N	E
(15)	547.50	19°54'2"	96.05	190.16	561244.88	1977159.42



NOTES:

- Exist R/W
- Metal Beam Guard Rail
- Combined Conc. Barrier / Retaining Wall
- Concrete Barrier
- Crash Cushion (type ADIEM)

ATTACHMENT C

NAPA-29 KP 6.7-8.7
PM 4.2-5.38

NAPA-12 KP 0.0-0.39
PM 0.0-0.24

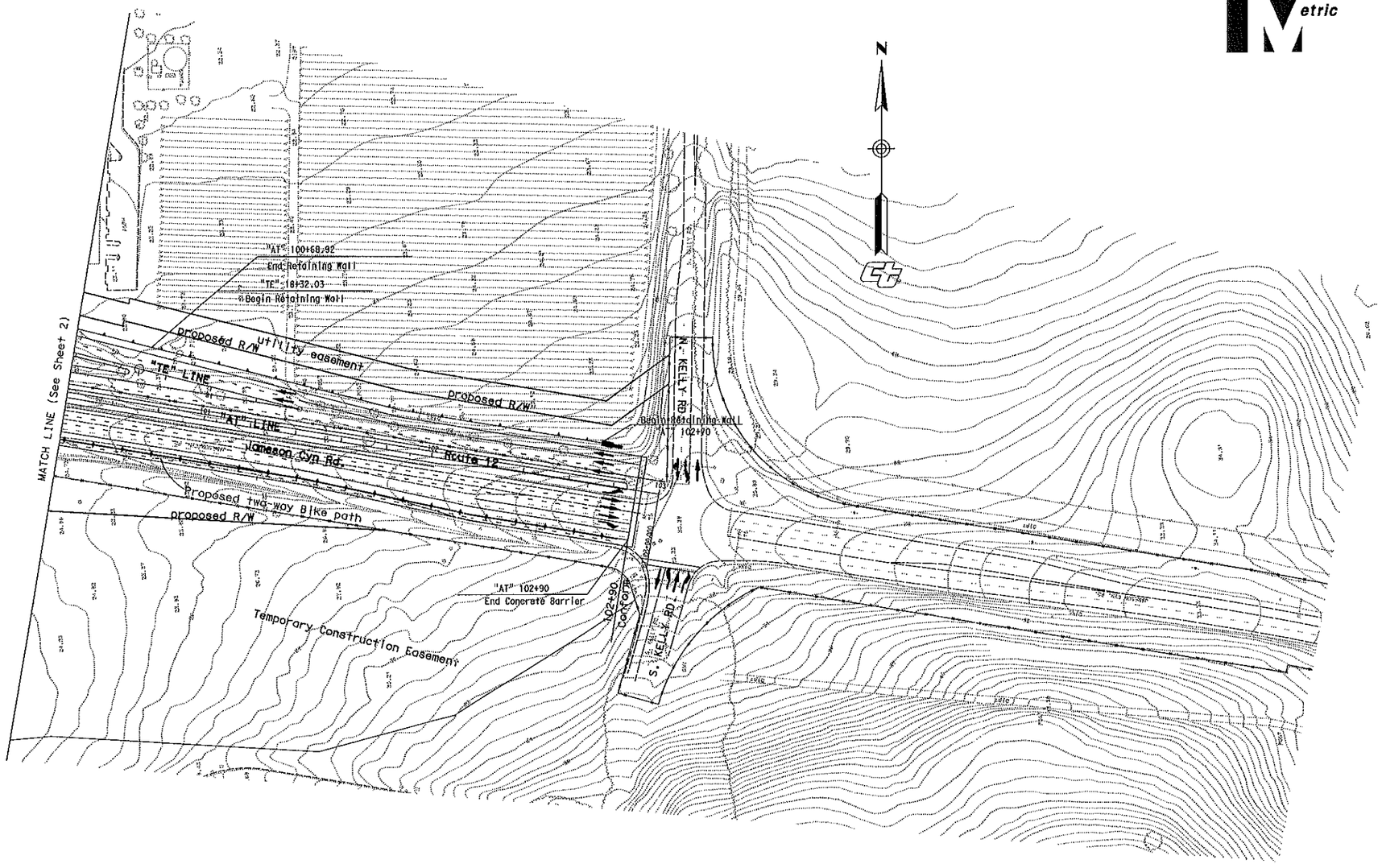
Scale Ratio: 1:2000 Horiz

ROUTE12/ROUTE29 TIGHT-DIAMOND INTERCHANGE LAYOUT SHEET

SHEET 4 OF 5

EA 287900

Caltrans Metric



NOTES:

- Exist R/W
- Metal Beam Guard Rail
- Combined Conc. Barrier / Retaining Wall
- Concrete Barrier
- Crash Cushion (type ADIEM)

ATTACHMENT C

NAPA-29 KP 6.7-8.7
PM 4.2-5.38

NAPA-12 KP 0.0-0.39
PM 0.0-0.24

Scale Ratio: 1:2000 Horiz

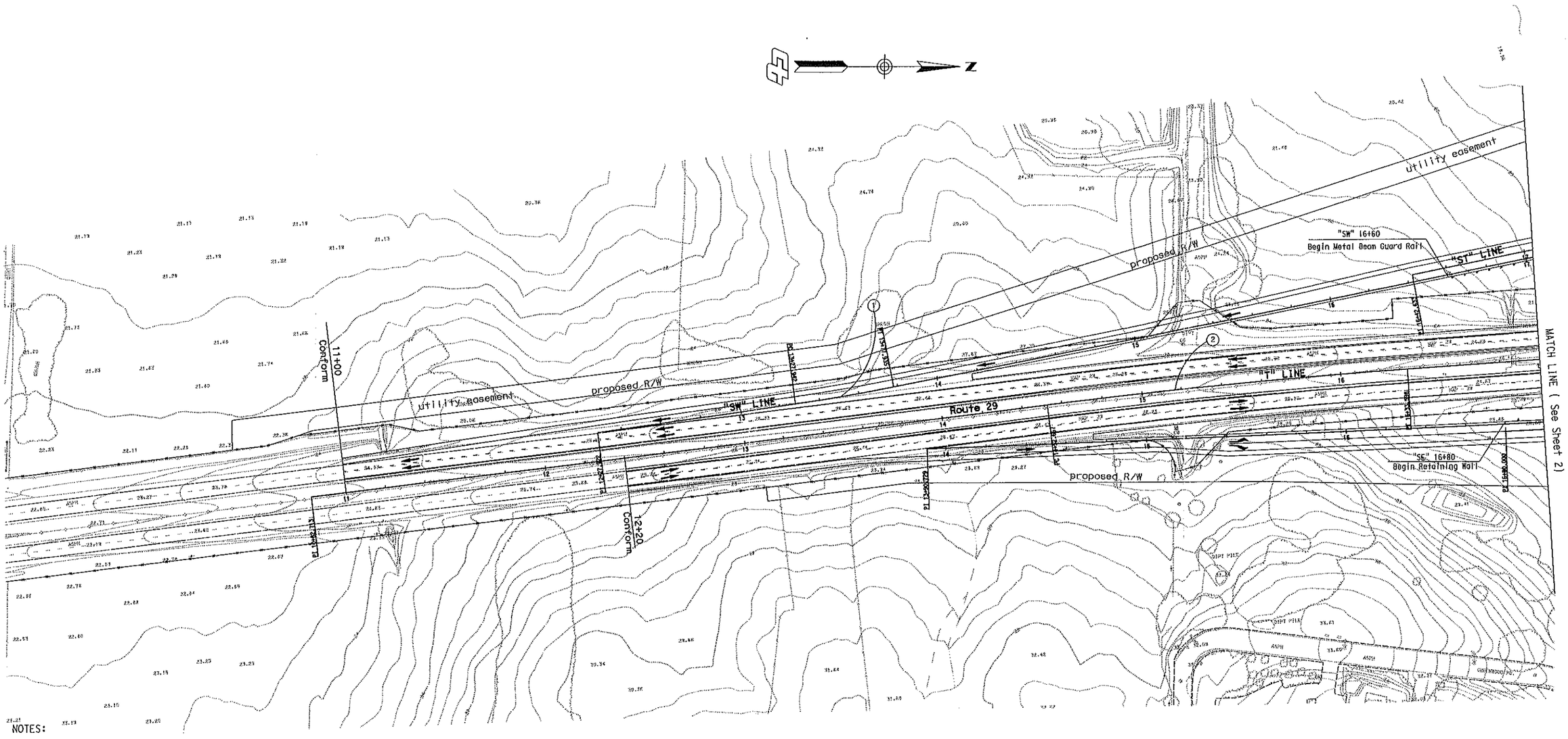
ROUTE12/ROUTE29 TIGHT-DIAMOND INTERCHANGE LAYOUT SHEET

SHEET 5 OF 5

EA 287900

CURVE DATA

No.	R	Δ	T	L	N	E
(1)	1000.04	2°51'52"	25.00	49.99	561080.75	1976462.98
(2)	2999.99	3°27'20"	90.49	180.93	561722.62	1980429.93



NOTES:

- Exist R/W
- Metal Beam Guard Rail
- Combined Conc. Barrier / Retaining Wall
- Concrete Barrier
- Crash Cushion (type ADIEM)

ATTACHMENT C

NAPA-29 KP 6.7-8.7
PM 4.2-5.38

NAPA-12 KP 0.0-0.39
PM 0.0-0.24

Scale Ratio: 1:2000 Horiz

ROUTE12/ROUTE29 SINGLE-POINT INTERCHANGE LAYOUT SHEET

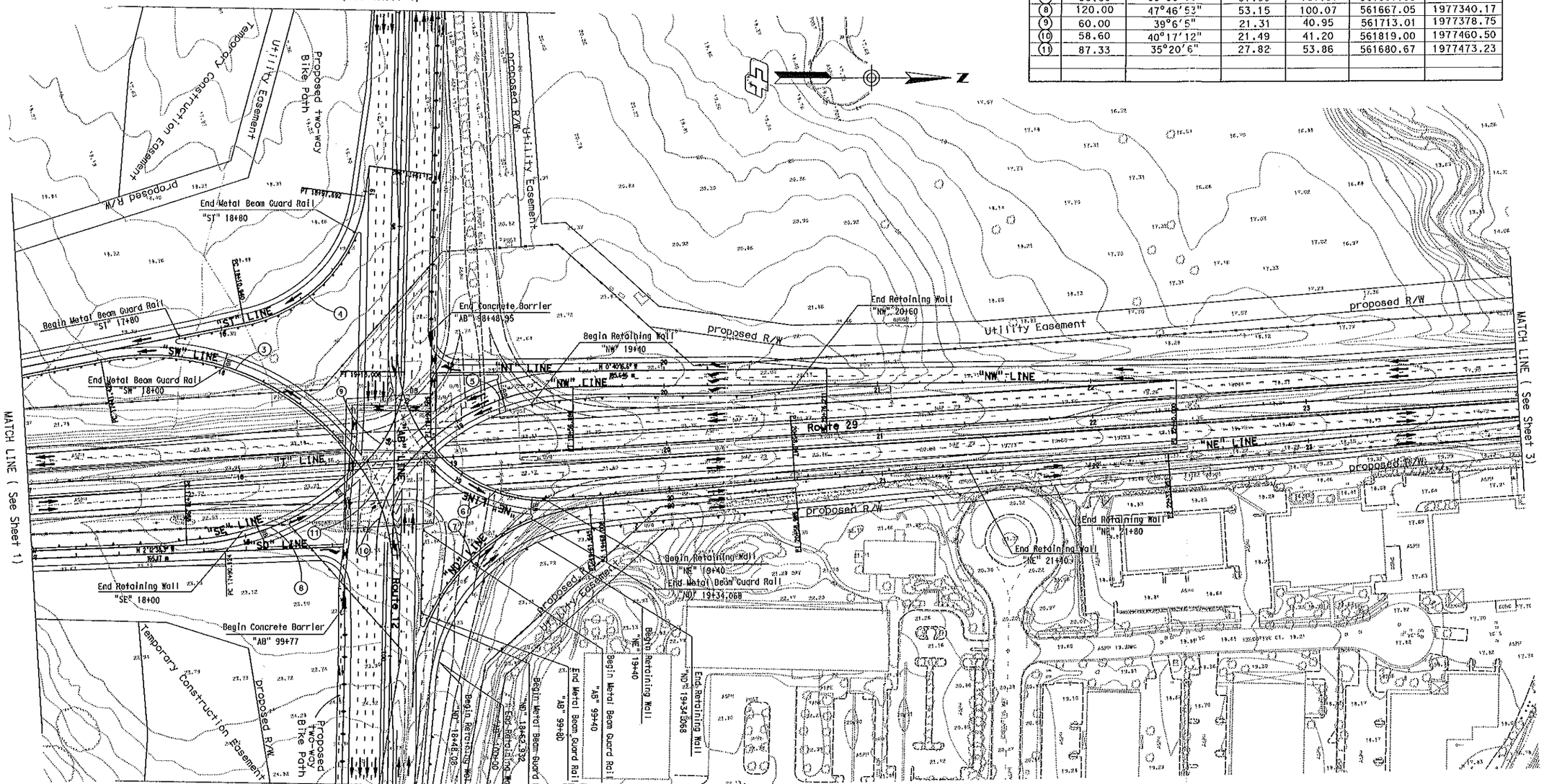
SHEET 1 OF 5

EA 287900

Caltrans Metric

CURVE DATA

No.	R	Δ	T	L	N	E
③	120.00	66°39'24"	78.91	139.61	561653.74	1977491.72
④	70.00	71°0'23"	49.94	86.75	561684.55	1977288.34
⑤	103.60	48°11'15"	46.33	87.13	561852.89	1977490.10
⑥	70.00	92°18'26"	72.88	112.77	561839.57	1977369.43
⑦	90.00	83°58'30"	81.00	131.91	561867.95	1977531.73
⑧	120.00	47°46'53"	53.15	100.07	561667.05	1977340.17
⑨	60.00	39°6'5"	21.31	40.95	561713.01	1977378.75
⑩	58.60	40°17'12"	21.49	41.20	561819.00	1977460.50
⑪	87.33	35°20'6"	27.82	53.86	561680.67	1977473.23



NOTES:

- Exist R/W
- Metal Beam Guard Rail
- Combined Conc. Barrier / Retaining Wall
- Concrete Barrier
- Crash Cushion (Type ADIEM)

ATTACHMENT C

NAPA-29 KP 6.7-8.7
PM 4.2-5.38

NAPA-12 KP 0.0-0.39
PM 0.0-0.24

Scale Ratio: 1:2000 Horiz

ROUTE12/ROUTE29 SINGLE-POINT INTERCHANGE LAYOUT SHEET

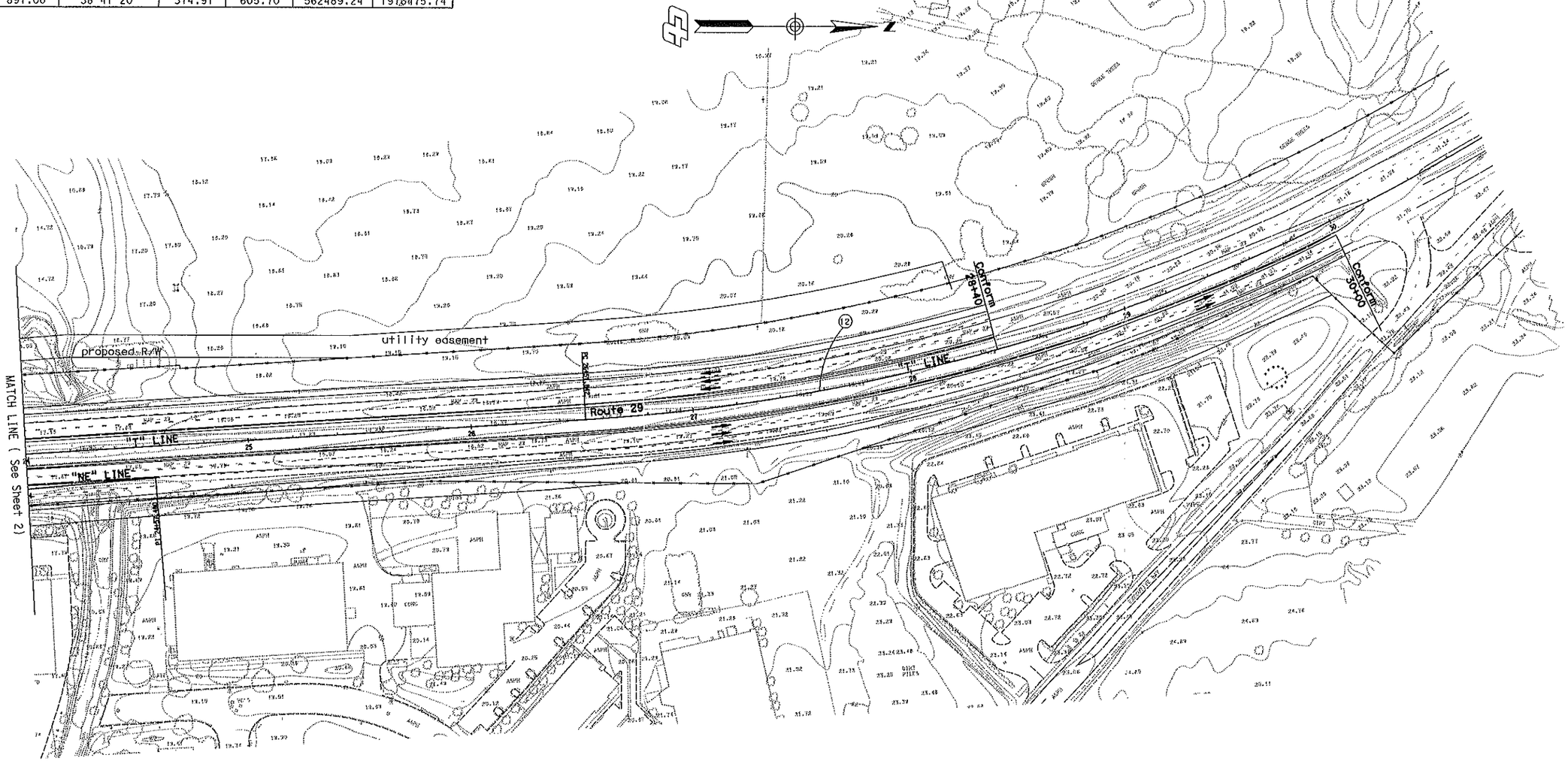
SHEET 2 OF 5

EA 287900

Caltrans Metric

CURVE DATA

No.	R	Δ	T	L	N	E
(12)	897.00	38°41'20"	314.91	605.70	562489.24	1976475.74



NOTES:

- Exist R/W
- Metal Beam Guard Rail
- Combined Conc. Barrier / Retaining Wall
- Concrete Barrier
- Crash Cushion (Type ADIEM)

ATTACHMENT C

NAPA-29 KP 6.7-8.7
PM 4.2-5.38

NAPA-12 KP 0.0-0.39
PM 0.0-0.24

Scale Ratio: 1:2000 Horiz

ROUTE12/ROUTE29 SINGLE-POINT INTERCHANGE LAYOUT SHEET

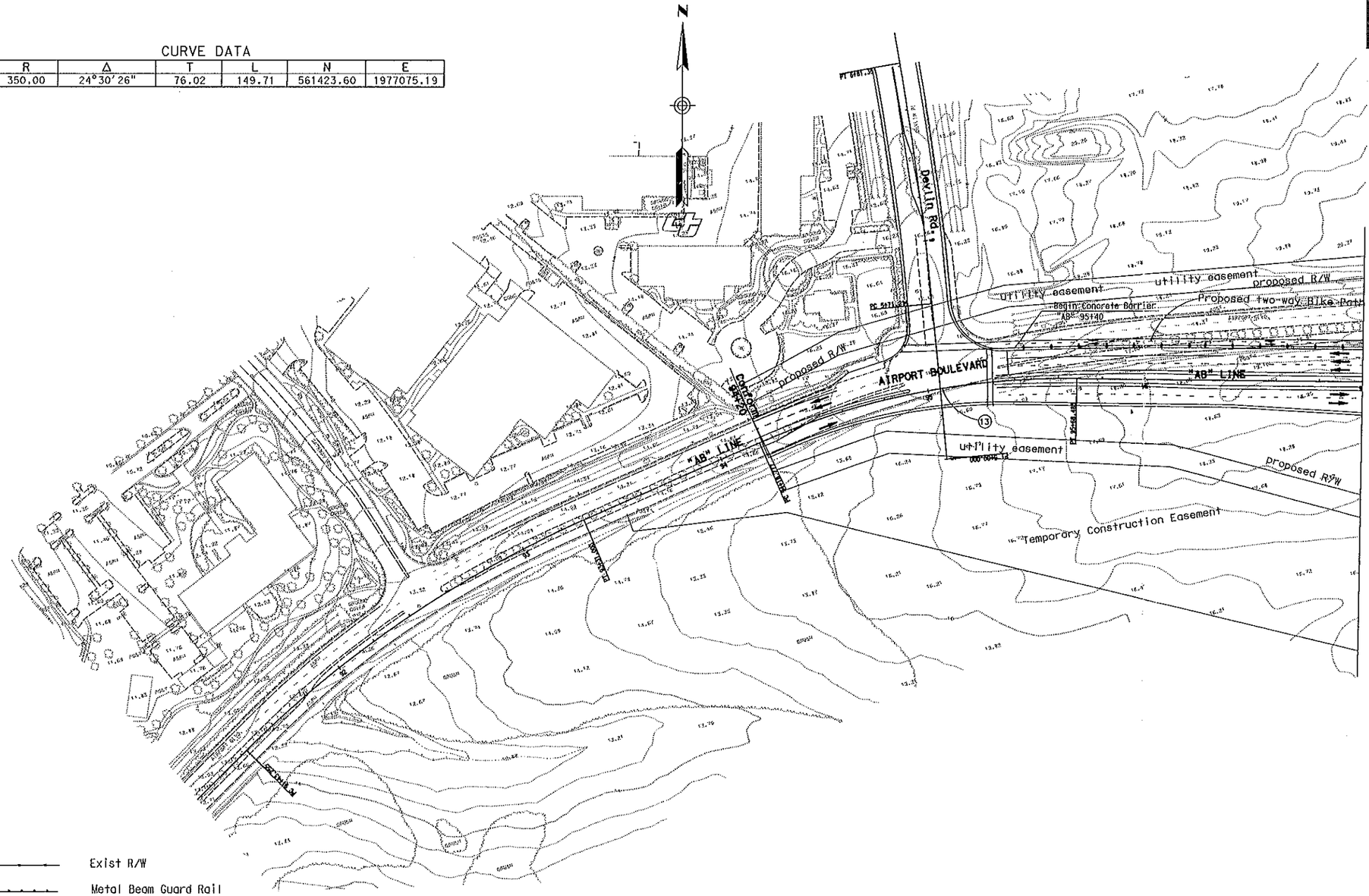
SHEET 3 OF 5

EA 287900

Caltrans Metric

CURVE DATA

No.	R	Δ	T	L	N	E
(13)	350.00	24°30'26"	76.02	149.71	561423.60	1977075.19



NOTES:

- Exist R/W
- Metal Beam Guard Rail
- Combined Conc. Barrier / Retaining Wall
- Concrete Barrier
- Crash Cushion (type ADIEM)

ATTACHMENT C

NAPA-29 KP 6.7-8.7
PM 4.2-5.38

NAPA-12 KP 0.0-0.39
PM 0.0-0.24

Scale Ratio: 1:2000 Horiz

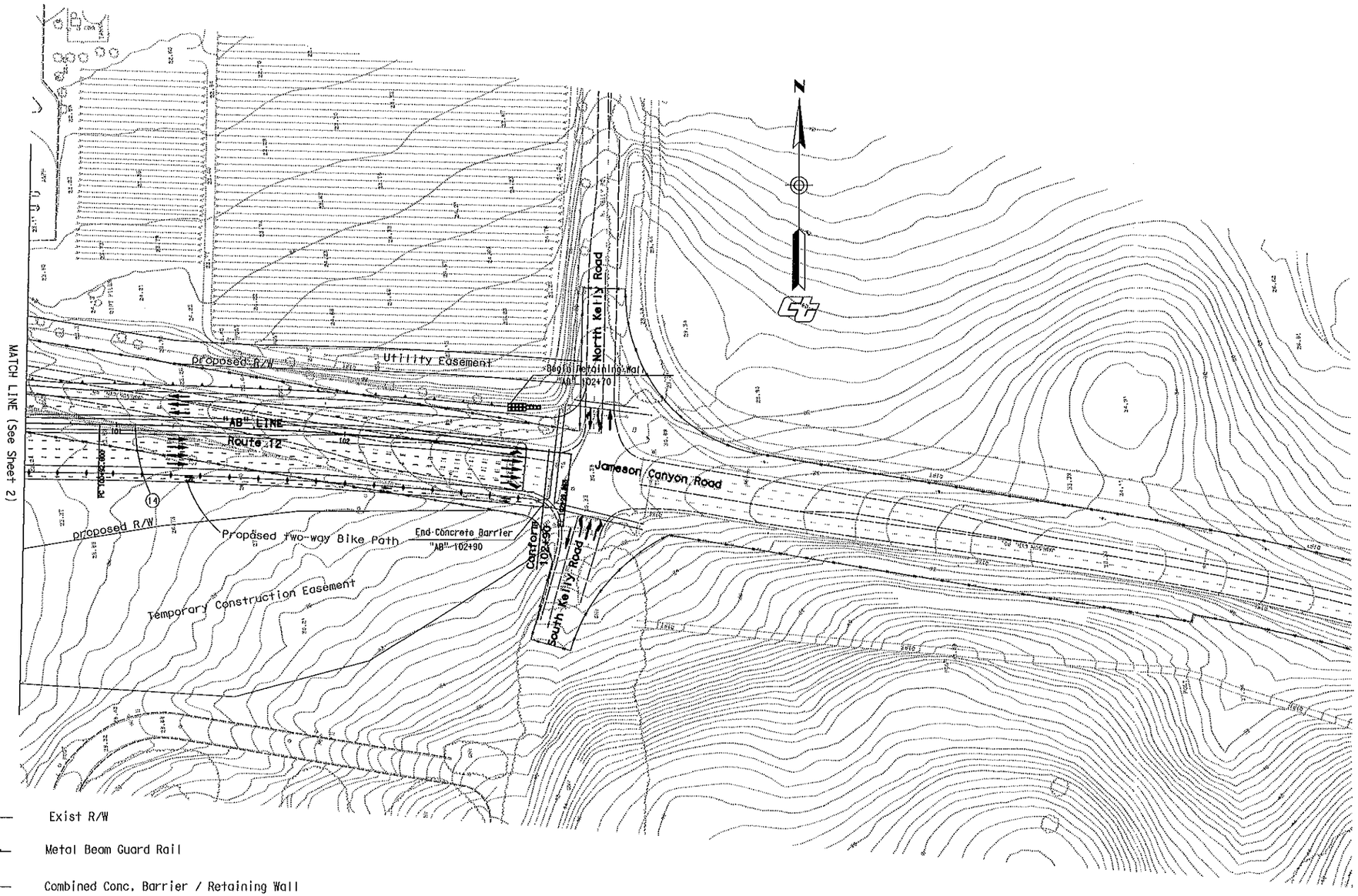
ROUTE12/ROUTE29 SINGLE-POINT INTERCHANGE LAYOUT SHEET

SHEET 4 OF 5

EA 287900

CURVE DATA

No.	R	Δ	T	L	N	E
(14)	2199.99	5°23'53"	103.71	207.27	559565.99	1977571.63



NOTES:

- Exist R/W
- Metal Beam Guard Rail
- Combined Conc. Barrier / Retaining Wall
- Concrete Barrier
- Crash Cushion (type ADIEM)

ATTACHMENT C

NAPA-29 KP 6.7-8.7
PM 4.2-5.38

NAPA-12 KP 0.0-0.39
PM 0.0-0.24

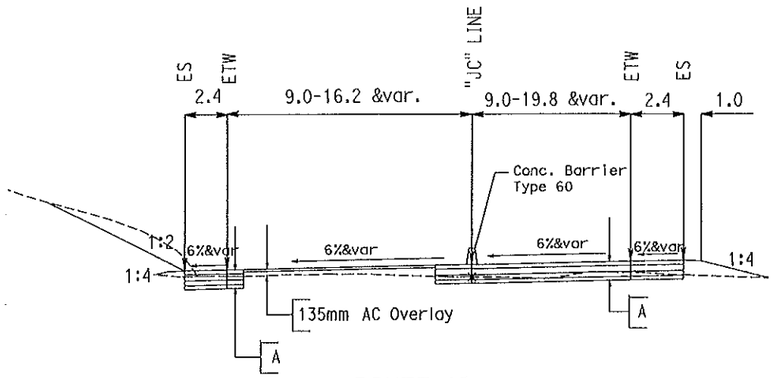
Scale Ratio: 1:2000 Horiz

ROUTE12/ROUTE29 SINGLE-POINT INTERCHANGE LAYOUT SHEET

SHEET 5 OF 5

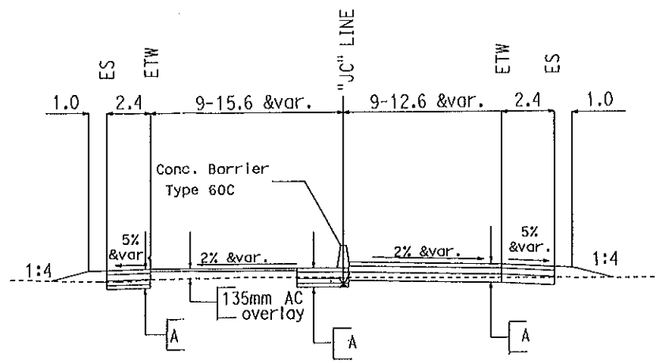
EA 287900

DESIGN STUDY ONLY



ROUTE 12

STA 118+60 TO 123+80
STA 128+20 TO 130+80
STA 132+60 TO 135+20
STA 139+80 TO 144+20
STA 148+80 TO 150+00
STA 157+60 TO 160+20
STA 163+40 TO 164+60
STA 171+00 TO 172+00
STA 190+80 TO 191+20



ROUTE 12

STA 123+80 TO 128+20
STA 135+20 TO 139+40
STA 144+20 TO 148+80
STA 151+00 TO 153+60
STA 154+80 TO 157+60
STA 164+60 TO 166+40
STA 182+80 TO 183+80

Structural Sections

A (cut)

225mm AC
345mm AB(3)
270mm AS(4)
210mm PM

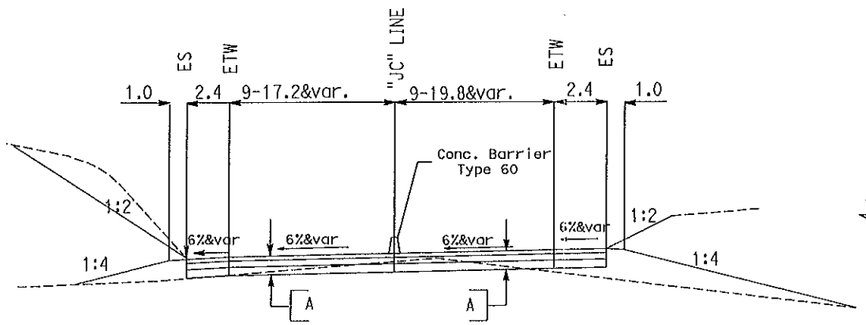
B (fill)

225mm AC
345mm AB(3)
465mm AS(4)

MSE : Mechanically Stablized Earth

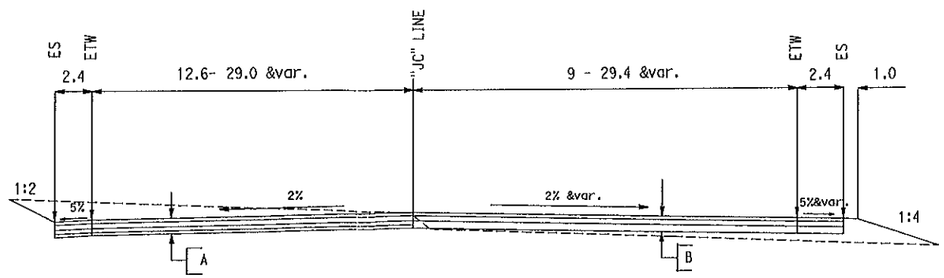
Same structural section also used for shoulder

* Use fill structural section B



ROUTE 12

STA 103+40 TO 118+60
STA 161+20 TO 163+40*
STA 168+60 TO 169+40*
STA 170+20 TO 171+00
STA 188+40 TO 189+00*
STA 190+40 TO 190+80



ROUTE 12

STA: 130+80 TO 132+60 @ median opening

ATTACHMENT D

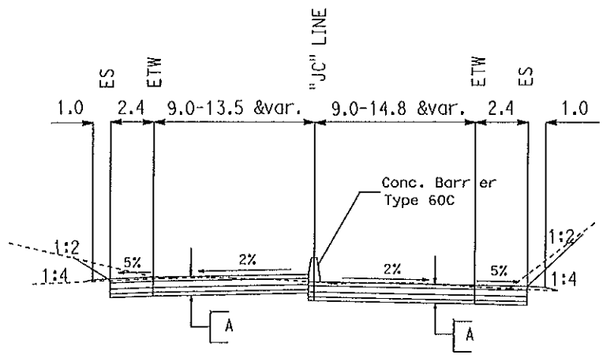
No Scale

JAMESON CANYON
TYPICAL CROSS SECTION

SHEET 1 OF 3

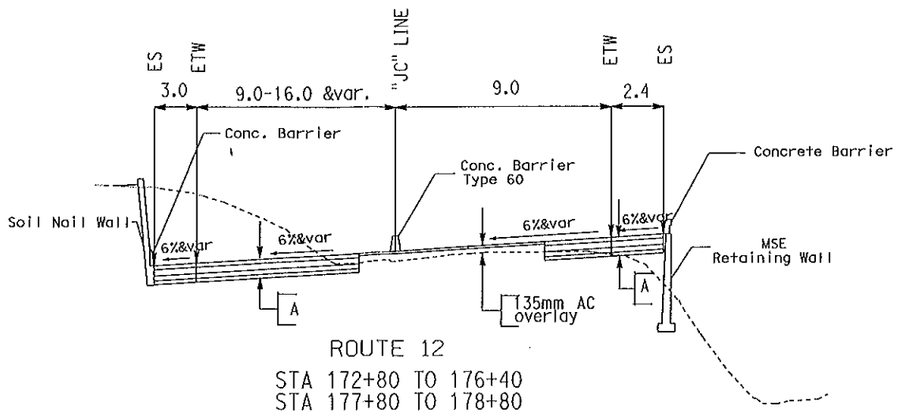
EA 264100

DESIGN STUDY ONLY



ROUTE 12

STA 139+40 TO 139+80
STA 150+00 TO 151+00*
STA 153+60 TO 154+80*
STA 166+40 TO 168+60
STA 182+20 TO 182+80
STA 183+80 TO 185+20
STA 188+00 TO 188+40



ROUTE 12

STA 172+80 TO 176+40
STA 177+80 TO 178+80

Structural Sections

A (cut)

225mm AC
345mm AB(3)
270mm AS(4)
210mm PM

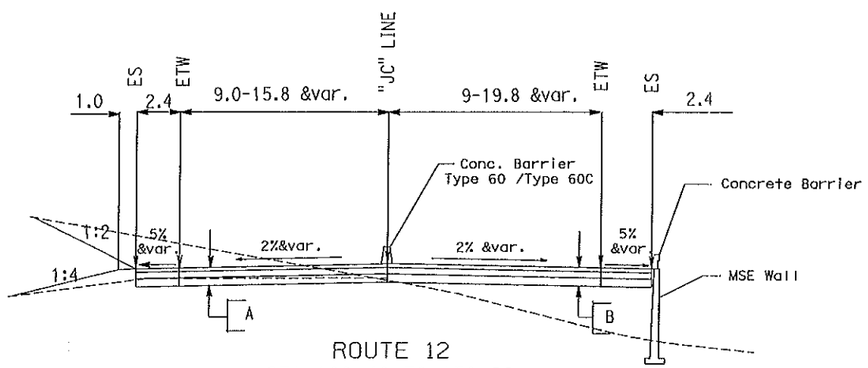
B (fill)

225mm AC
345mm AB(3)
465mm AS(4)

MSE : Mechanically Stablized Earth

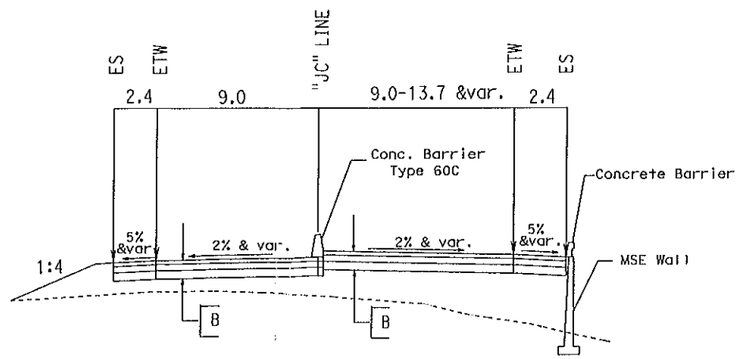
Same structural section also used for shoulder

* Use fill structural section B



ROUTE 12

STA 169+40 TO 170+20
STA 172+00 TO 172+80
STA 178+80 TO 181+40
STA 189+00 TO 190+40



ROUTE 12

STA 181+40 TO 182+20
STA 185+20 TO 188+00

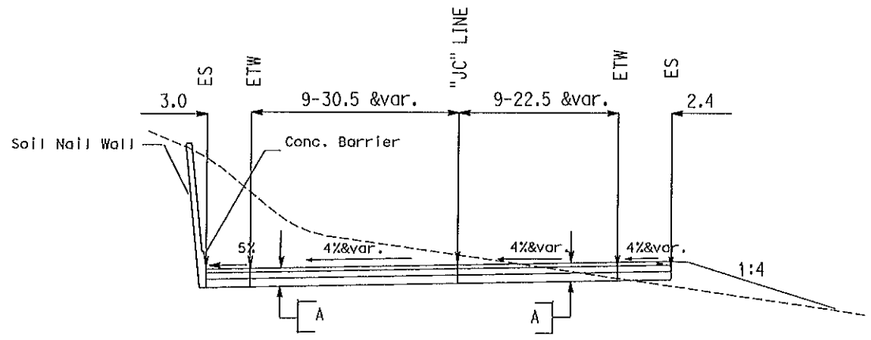
ATTACHMENT D

No Scale

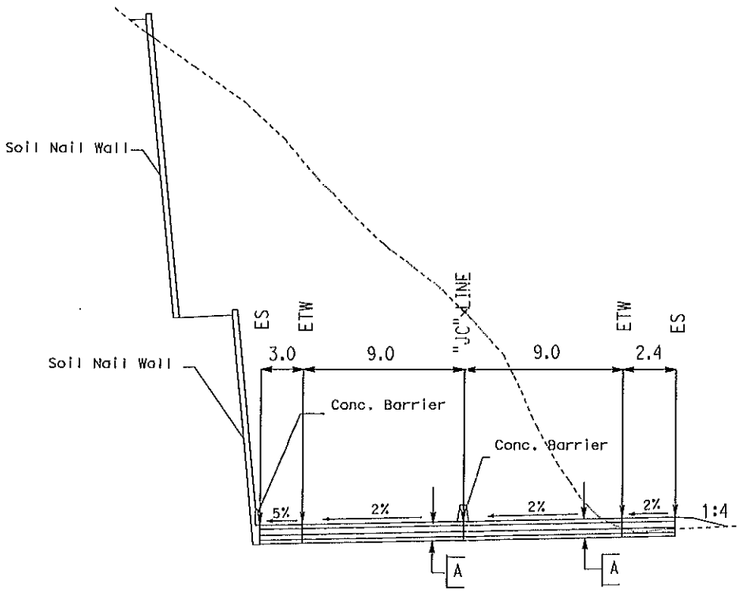
JAMESON CANYON
TYPICAL CROSS SECTION

SHEET 2 OF 3 EA 264100

DESIGN STUDY ONLY



ROUTE 12
STA 160+20 TO 161+20
STA 177+20 TO 177+80



ROUTE 12
STA 176+40 TO 177+20

Structural Sections

A (cut)

225mm AC
345mm AB(3)
270mm AS(4)
210mm PM

B (fill)

225mm AC
345mm AB(3)
465mm AS(4)

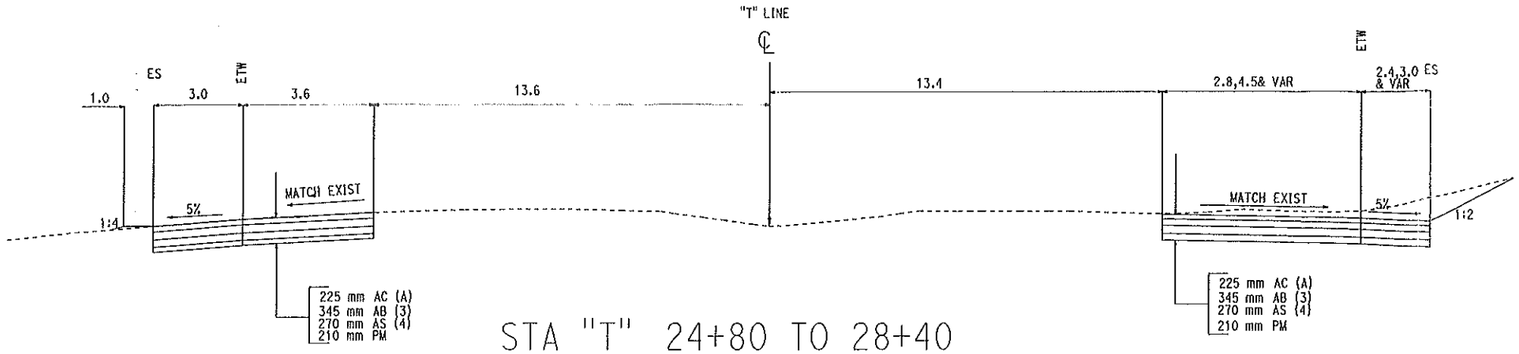
MSE : Mechanically Stablized Earth
Same structural section also used for shoulder

ATTACHMENT D

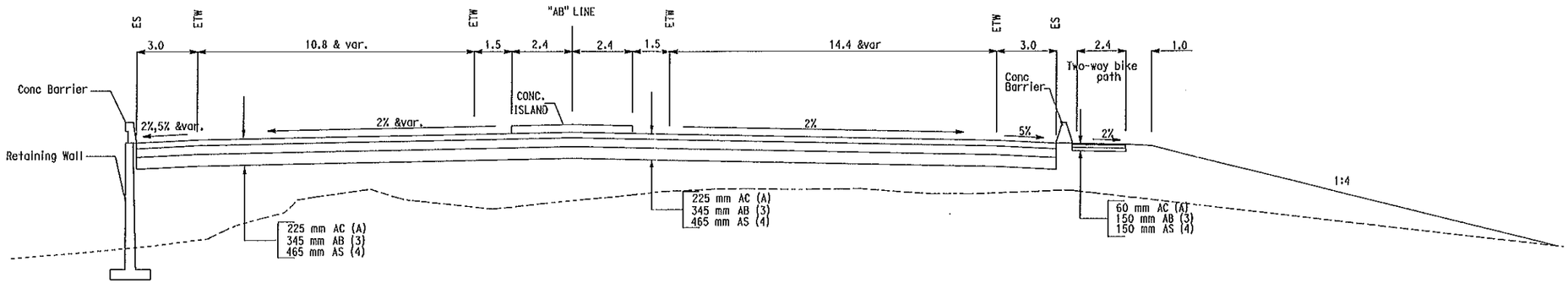
No Scale

JAMESON CANYON
TYPICAL CROSS SECTION

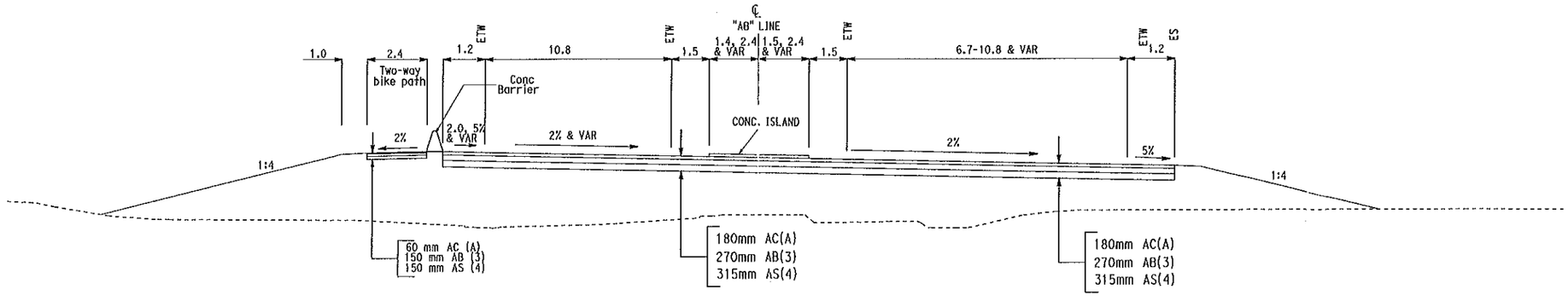
SHEET 3 OF 3 EA 264100



STA "T" 24+80 TO 28+40



STA "AB" 99+39.1 TO 102+90



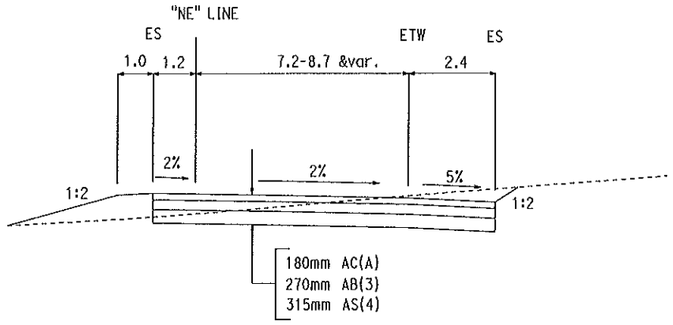
STA "AB" 95+40 TO 98+78.7

ATTACHEMENT D

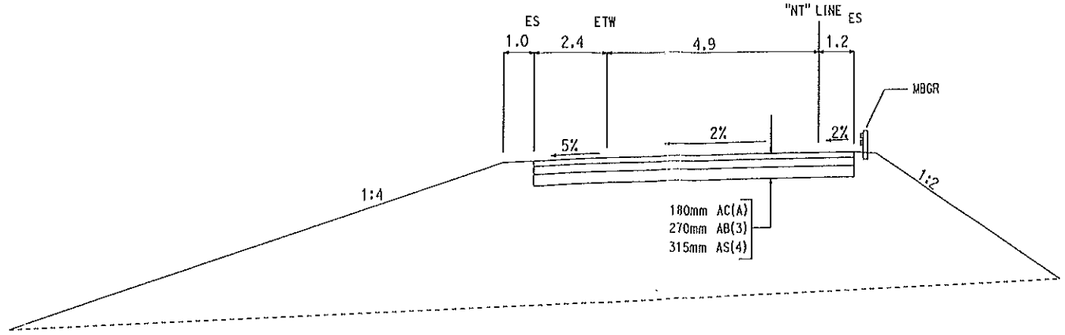
No Scale

RTE12/RTE29 SINGLE POINT INTERCHANGE
TYPICAL CROSS SECTIONS

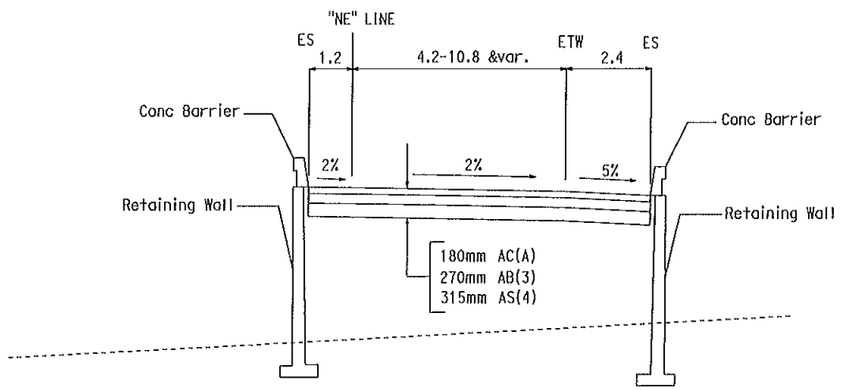
SHEET 1 of 4 EA: 287900



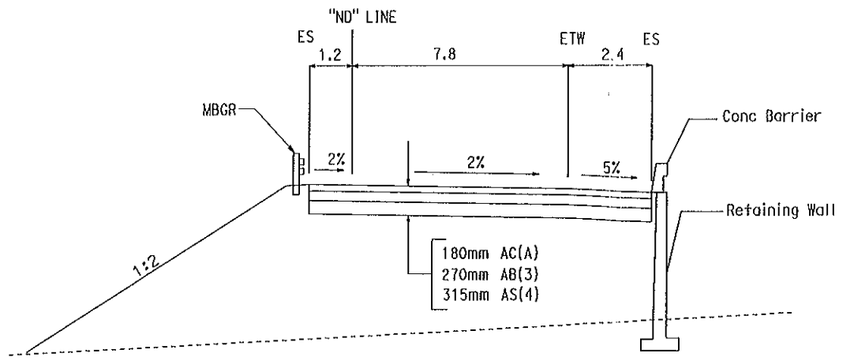
STA "NE" 21+80 TO 22+43.4



STA "NT" 18+93 TO 19+20



STA "NE" 20+60 TO 21+80



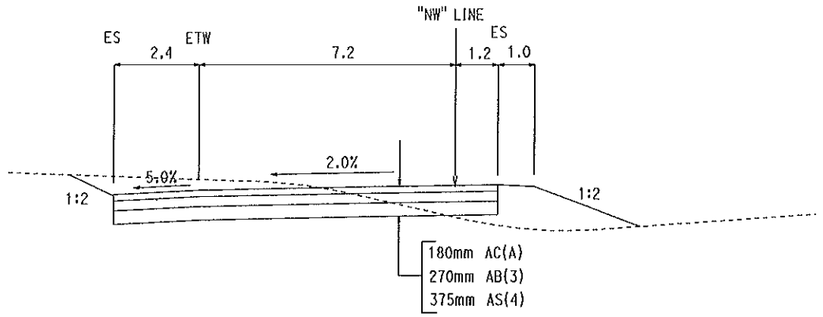
STA "ND" 18+62.9 TO 19+34

ATTACHEMENT D

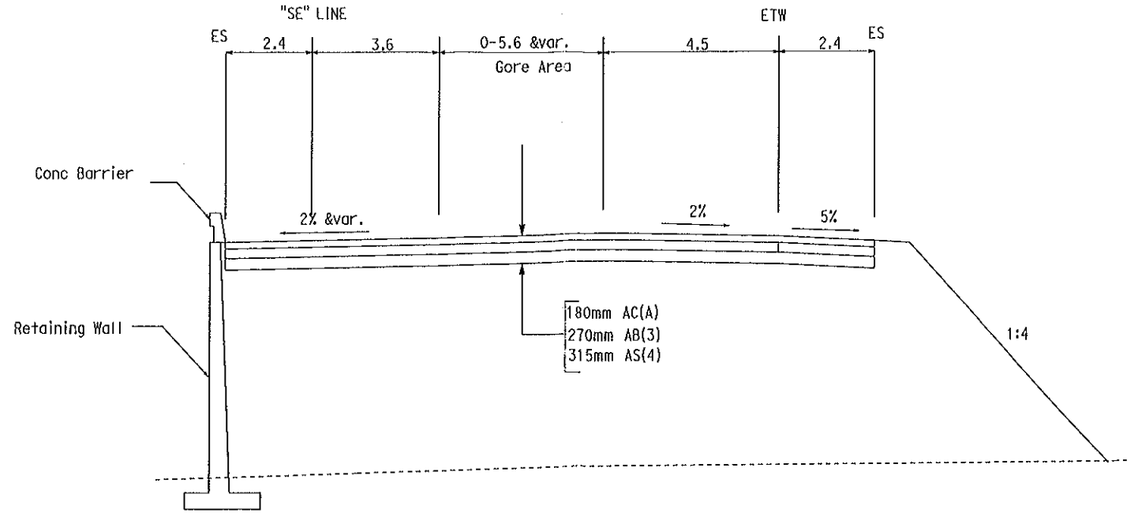
No Scale

RTE12/RTE29 SINGLE POINT INTERCHANGE
TYPICAL CROSS SECTIONS

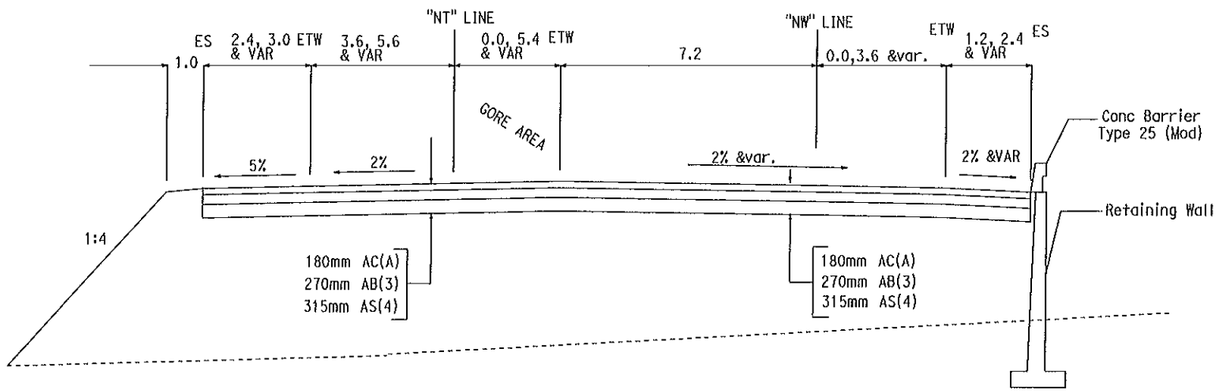
SHEET 2 of 4 EA: 287900



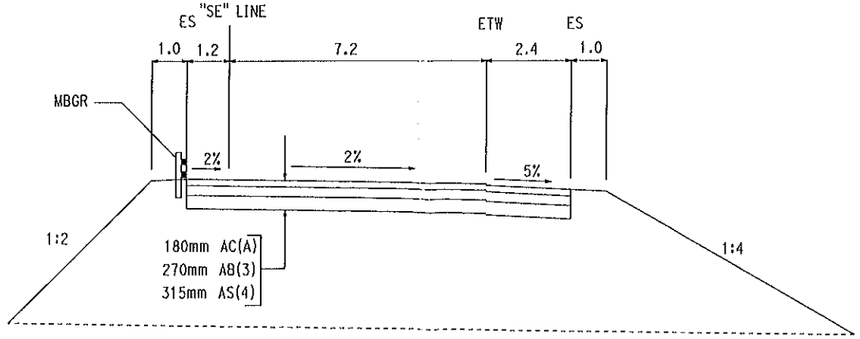
STA "NW" 20+60 TO 21+06.315



STA "SE" 16+80 to 18+00



STA "NW" 19+40 TO 20+60



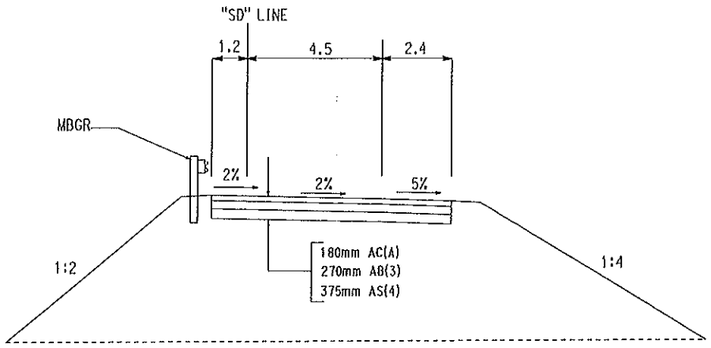
STA "SE" 14+73.58 TO 16+80

ATTACHEMENT D

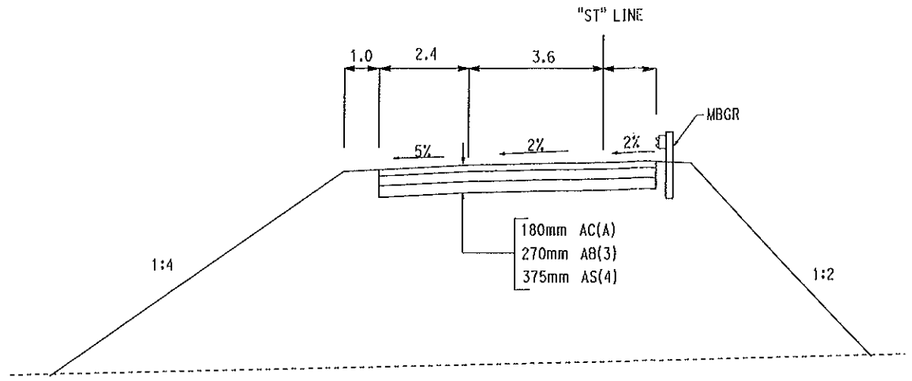
No Scale

RTE12/RTE29 SINGLE POINT INTERCHANGE
TYPICAL CROSS SECTIONS

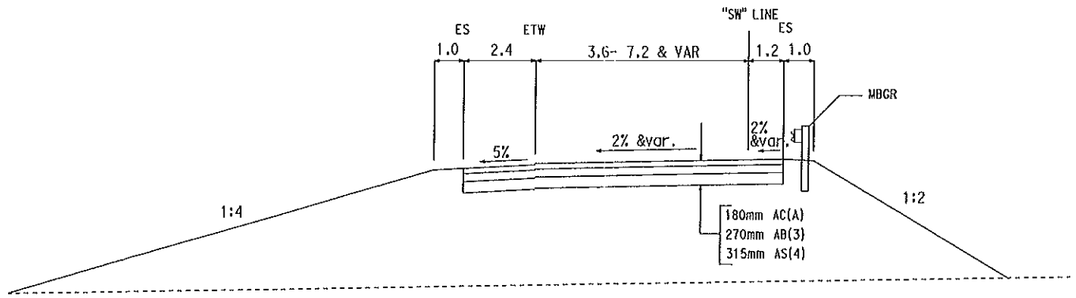
SHEET 3 of 4 EA: 287900



STA "SD" 18+10 to 18+25



STA "ST" 17+80 to 18+80



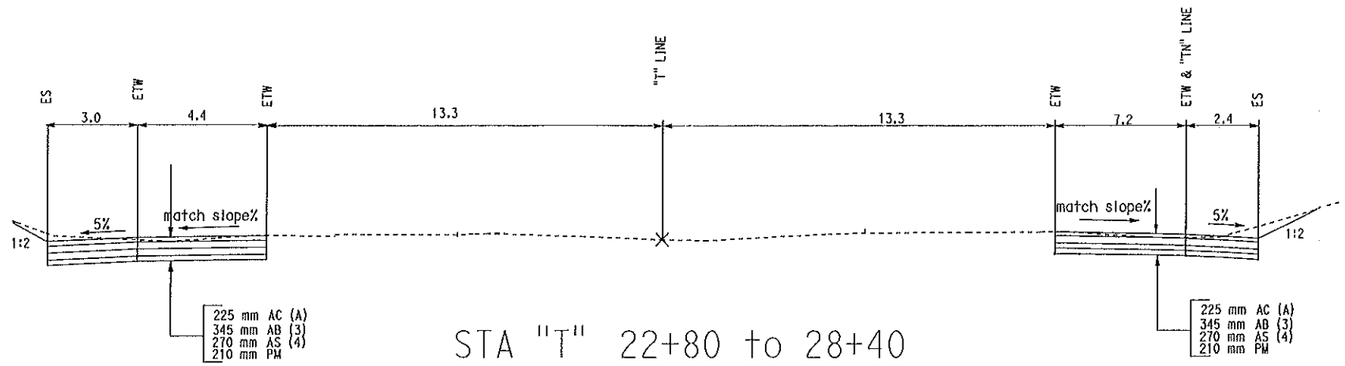
STA "SW" 14+17.195 TO 18+80

ATTACHEMENT D

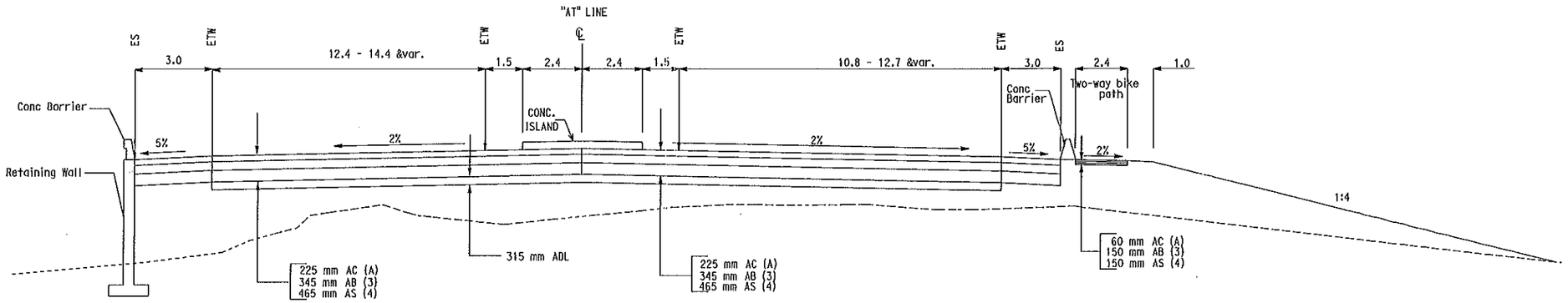
No Scale

RTE12/RTE29 SINGLE POINT INTERCHANGE
TYPICAL CROSS SECTIONS

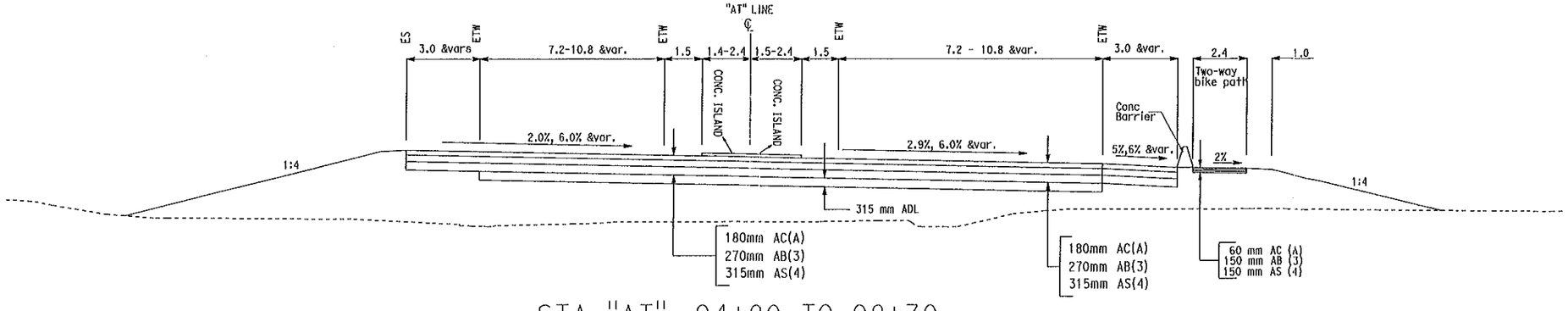
SHEET 4 of 4 EA: 287900



STA "T" 22+80 to 28+40



STA "AT" 100+80 TO 102+90



STA "AT" 94+80 TO 98+30

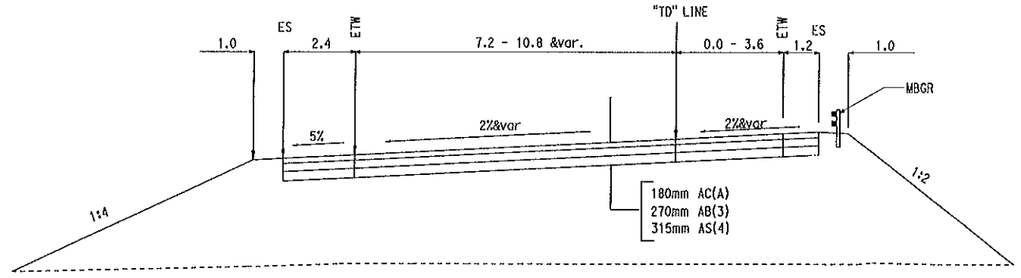
ATTACHMENT D

No Scale

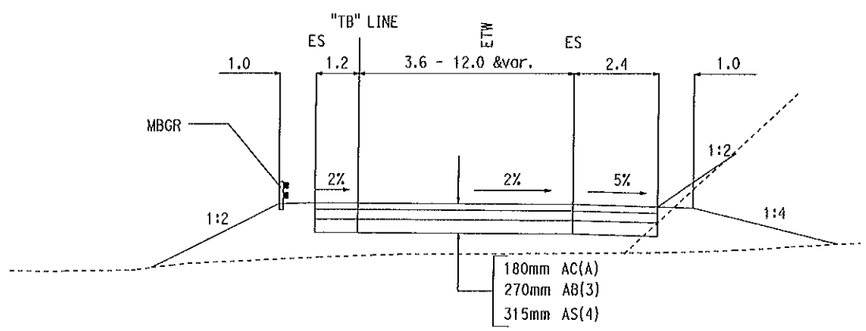
RTE12/RTE29 TIGHT DIAMOND INTERCHANGE
TYPICAL CROSS SECTIONS

SHEET 1 of 3

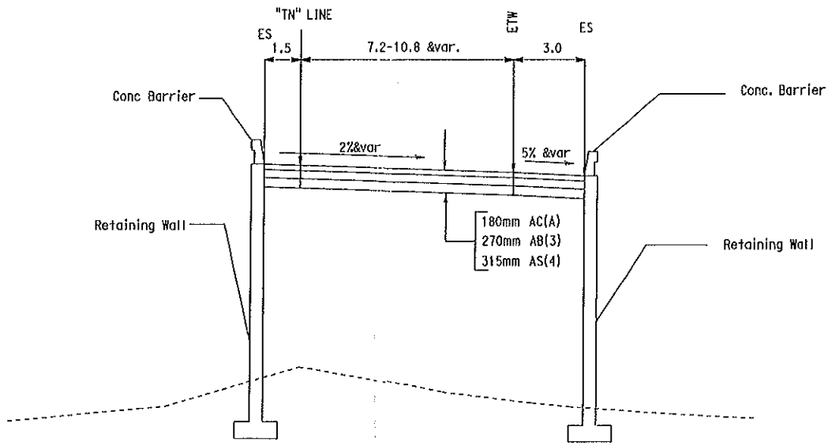
EA 287900



STA "TD" 19+30 TO 21+60



STA "TB" 16+00 to 18+91.5



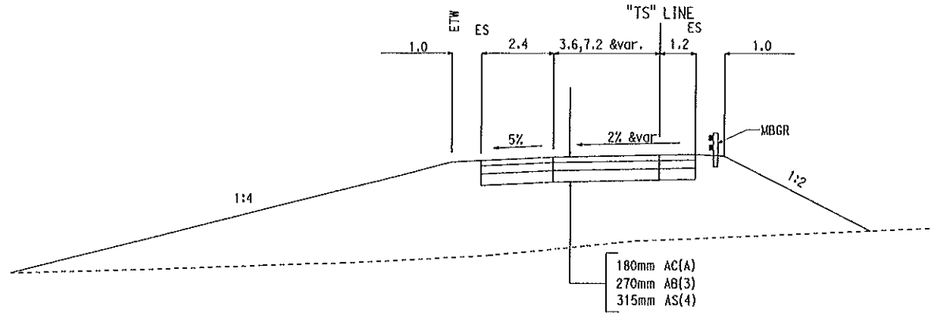
STA "TN" 19+80 TO 22+90

ATTACHMENT D

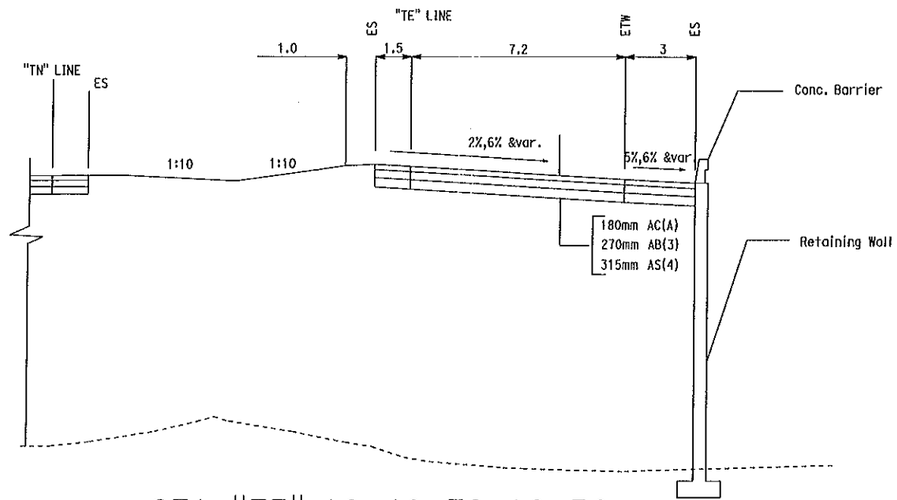
No Scale

RTE12/RTE29 TIGHT DIAMOND INTERCHANGE
TYPICAL CROSS SECTIONS

SHEET 2 of 3 EA 287900



STA "TS" 16+01.0 TO 18+60.0



STA "TE" 18+40 TO 19+70

ATTACHMENT D

No Scale

RTE12/RTE29 TIGHT DIAMOND INTERCHANGE
TYPICAL CROSS SECTIONS

SHEET 3 of 3

EA 287900

Project Report Cost Estimate

Caltrans Metric

District-County-Route: 04-NAP-12-KP 0.4-5.3 (PM 0.2-3.3)
& 04-SOL-12-KP 0.0-R4.2 (PM 0.0-R2.6)

EA: 264100

Program Code: HB4C

PROJECT DESCRIPTION:

Limits: ON ROUTE 12 IN NAPA COUNTY FROM KELLY ROAD TO RED TOP ROAD IN SOLANO COUNTY.

Proposed Improvement (Scope): WIDEN ROUTE 12 (JAMESON CANYON HIGHWAY) FROM A 2-LANE CONVENTIONAL HIGHWAY TO A 4-LANE HIGHWAY.

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	$ 115,996,000
TOTAL STRUCTURE ITEMS	$ 0
SUBTOTAL CONSTRUCTION COSTS (2007$)	$ 115,996,000
(ESCALATED @ 5.0% TO 2011)	$ 140,994,000
TOTAL RIGHT OF WAY ITEMS	$ 11,032,000
TOTAL PROJECT CAPITAL OUTLAY COSTS	$ 152,026,000

Reviewed by District Program Manager _____
(Signature)

Approved by Project Manager _____ Date 7/30/07
(Signature)

Phone No. 510-286-4925

ATTACHMENT E

I. ROADWAY ITEMS

Section 1 Earthwork	Quantity	Unit	Unit Price	Item Cost	Section Cost
Roadway Excavation	184,400	m3	$40	$7,376,000	
Imported Borrow	_____	____	$_____	$_____	
Clearing & Grubbing	_____	LS	$_____	$1,000,000	
Develop Water Supply	_____	LS	$_____	$30,000	
			Subtotal Earthwork		$ 8,406,000

Section 2 Pavement Structural Section					
PCC Pavement (___Depth)	_____	____	$_____	$_____	
PCC Pavement (___Depth)	_____	____	$_____	$_____	
Asphalt Concrete	122,500	tonn	$115	$14,087,500	
Lean Concrete Base	_____	____	$_____	$_____	
Cement-Treated Base	_____	____	$_____	$_____	
Aggregate Base	71,000	m3	$55	$3,905,000	
Cls3 Permeable Material Blanket	33,600	m3	$60	$2,016,000	
Aggregate Subbase	64,500	m3	$50	$3,225,000	
Pavement Reinforcing Fabric	_____	____	$_____	$_____	
Edge Drains (Under Drains)	_____	____	$_____	$_____	
Cold Plane AC	2000	m2	$8	$16,000	
AC (Leveling)	19,700	tonn	$120	$2,364,000	
200mm Underdain	15,900	m	$40	$636,000	
			Subtotal Pavement Structural Section		$ 26,249,500

Section 3 Drainage					
Large Drainage Facilities	_____	____	$_____	$_____	
Storm Drains	_____	____	$_____	$_____	
Pumping Plants	_____	____	$_____	$_____	
Project Drainage (X-Drains, overside, etc.)	_____	____	$_____	$_____	
			Subtotal Drainage		$ 3,200,000

Section 4 Specialty Items	Quantity	Unit	Unit Price	Item Cost	Section Cost
Retaining Walls	_____	LS	$_____	$7,273,000	
MSE Walls	_____	LS	$_____	$8,928,000	
Barriers and Guardrails	_____	S	$_____	$2,896,000	
Metal Beam Guard Railing	580	m	120	$69,600	
End Treatment of MBGR	20	ea	4,000	$80,000	
Equipment/Animal Passes	_____	____	$_____	$_____	
Highway Planting	_____	LS	$_____	$3,200,000	
Replacement Planting	_____	____	$_____	$_____	
Irrigation Modification	_____	____	$_____	$_____	
Relocate Private Irrigation Facilities	_____	____	$_____	$_____	
Water Pollution Control	_____	LS	$_____	$1,750,000	
Post-Construction Stormwater Treatment	_____	____	$_____	$4,500,000	
Resident Engineer Office Space	_____	____	$_____	$600,000	
Erosion Control	_____	LS	$_____	$850,000	
			Subtotal Specialty Items		$ 30,146,600

Section 5 Traffic Items					
Lighting	_____	____	$_____	$_____	
Traffic Delineation Items	_____	LS	$_____	$92,500	
Traffic Signals	_____	LS	$_____	$1,300,000	
Overhead Sign Structures	_____	____	$_____	$_____	
Roadside Signs	_____	LS	$_____	$80,000	
Traffic Control Systems	_____	____	$_____	$200,000	
Transportation Management Plan	_____	LS	$_____	$550,000	
Traffic Operations Systems	_____	LS	$_____	$2,500,000	
_____	_____	____	$_____	$_____	
_____	_____	____	$_____	$_____	
			Subtotal Traffic Items		$ 4,722,500
			TOTAL SECTIONS 1 thru 5		$ 72,724,600

Section 6 Minor Items	Item Cost	Section Cost
$ 72,724,600 x (10%) = (Subtotal Sections 1 thru 5)	$ 7,272,460	
TOTAL MINOR ITEMS		$ 7,272,500

Section 7 Roadway Mobilization		
$ 79,997,100 x (10%) = (Subtotal Sections 1 thru 6)	$ 7,999,710	
TOTAL ROADWAY MOBILIZATION		$ 7,999,800

Section 8 Roadway Additions

Supplemental Work		
$ 79,997,100 x (10%) = (Subtotal Sections 1 thru 6)	$ 7,999,710	
Contingencies		
$ 79,997,100 x (25%) = (Subtotal Sections 1 thru 6)	$19,999,275	
TOTAL ROADWAY ADDITIONS		$ 27,999,000
TOTAL ROADWAY ITEMS (Subtotal Sections 1 thru 8)		$ 115,996,000

Estimate Prepared By: Tak Hong (Print Name) Phone#: 510-286-5153 Date: 8-21-07

Estimate Checked By: Roni Boukhalil (Print Name) Phone#: 510-286-5694 Date: 8-21-07

II. STRUCTURES ITEMS

	Structure (1)	Structure (2)	Structure (3)
Bridge Name			
Structure Type			
Width (out to out) - (m)			
Span Lengths - (m)			
Total Area - (m^2)			
Footing Type (pile/spread)			
Cost Per m^2 (incl. 10% mobilization and 20% contingency)			
Total Cost for Structure			

SUBTOTAL STRUCTURES ITEMS $0
(Sum of Total Cost for Structures)

Railroad Related Costs: _____ $_____
_____ $_____
_____ $_____

SUBTOTAL RAILROAD ITEMS $_____

TOTAL STRUCTURES ITEMS $0
(Sum of Structures Items plus Railroad Items)

COMMENTS:

Estimate Prepared By: Tak Hong (Print Name) Phone#: 510-286-5153 Date: 6-21-07

III. RIGHT OF WAY ITEMS	ESCALATED VALUE
A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	$5,002,522
B. Utility Relocation (State share)	$750,000
C. Grantor's Appraisal Costs	$160,000
D. Clearance/Demolition	$21,846
E. Title and Escrow Fees	$75,000
F. Environmental Mitigation Costs and Permit Fees	$5,022,000

TOTAL RIGHT OF WAY ITEMS (Escalated Value) $11,032,000

Anticipated Date of Right of Way Certification (Date to which Values are Escalated) 10/09

F. Construction Contract Work

Brief Description of Work:

_____

_____

_____

_____

Right of Way Branch Cost Estimate for Work $0

COMMENTS:

Estimate Prepared By: Melanie Hunt (Print Name) Phone#: 510-286-5489 Date: 4/26/07

Project Report Cost Estimate

Caltrans Metric

District-County-Route: 04-NAP-29-KP 6.7-8.7 (PM 4.2-5.4)
& 04-NAP-12-KP 0.0-0.4 (PM 0.0-0.2)

EA: 287900

Program Code: HE11

PROJECT DESCRIPTION:

Limits: ON ROUTE 29 FROM 0.9km NORTH OF KELLY ROAD SOUTH TO 1.1km SOUTH OF JUNCTION ROUTE 221 NORTH.

Proposed Improvement (Scope): UPGRADE THE ROUTE 29/ROUTE 12 INTERSECTION IN NAPA COUNTY TO AN INTERCHANGE TO ALLEVIATE TRAFFIC CONGESTION.

Alternative: SINGLE POINT INTERCHANGE

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	$ 52,861,000
TOTAL STRUCTURE ITEMS	$ 17,364,000
SUBTOTAL CONSTRUCTION COSTS (2007$)	$ 70,225,000
TOTAL RIGHT OF WAY ITEMS (2007$)	$ 12,588,000
TOTAL PROJECT CAPITAL OUTLAY COSTS	$ 82,813,000

Reviewed by District Program Manager _____ (Signature)

Approved by Project Manager _____ (Signature) Date 7/30/07

Phone No. 510-286-4925

ATTACHMENT E

I. ROADWAY ITEMS

Section 1 Earthwork	Quantity	Unit	Unit Price	Item Cost	Section Cost
Roadway Excavation	167,278	m3	$40	$6,691,120	
Imported Borrow	376,993	m3	$25	$9,424,825	
Clearing & Grubbing	_____	LS	$_____	$200,000	
Develop Water Supply	_____	LS	$_____	$15,000	
			Subtotal Earthwork		$ 16,330,945

Section 2 Pavement Structural Section					
PCC Pavement (___Depth)	_____	____	$_____	$_____	
PCC Pavement (___Depth)	_____	____	$_____	$_____	
Asphalt Concrete	43,607	tonn	$110	$4,796,770	
Lean Concrete Base	_____	____	$_____	$_____	
Cement-Treated Base	_____	____	$_____	$_____	
Aggregate Base, Cls 3	25,497	m3	$60	$1,529,820	
Cls 3 Permeable Material Blanket	3681	m3	$60	$220,860	
Aggregate Subbase	29,530	m3	$55	$1,624,150	
Pavement Reinforcing Fabric	_____	____	$_____	$_____	
Edge Drains (Under Drains)	_____	____	$_____	$_____	
AC (Leveling)	488	tonn	$110	$53,680	
Aggregate Base, Cls 2	916	m	$60	$54,960	
			Subtotal Pavement Structural Section		$ 8,280,240

Section 3 Drainage					
Large Drainage Facilities	_____	____	$_____	$_____	
Storm Drains	_____	____	$_____	$_____	
Pumping Plants	_____	____	$_____	$_____	
Project Drainage (X-Drains, overside, etc.)	_____	____	$_____	$_____	
			Subtotal Drainage		$ 700,000

Section 4 Specialty Items	Quantity	Unit	Unit Price	Item Cost	Section Cost
Retaining Walls			$	$	
Noise Barriers			$	$	
Concrete Barrier (Type 60A)	60	m	$600	$36,000	
Concrete Barrier (Type 60)	810	m	$250	$202,500	
Metal Beam Guard Railing	836	m	$120	$100,320	
Equipment/Animal Passes			$	$	
Highway Planting		LS	$	$1,710,000	
Replacement Planting			$	$	
Irrigation Modification			$	$	
Relocate Private Irrigation Facilities			$	$	
Erosion Control		LS	$	$500,000	
Slope Protection			$	$	
Water Pollution Control		LS	$	$725,000	
Post-Construction Stormwater Treatment		LS	$	$1,800,000	
Environmental Mitigation (Aerially Deposited Lead)	2730	m3	$250	$682,500	
Resident Engineer Office Space		LS	$	$642,600	
			Subtotal Specialty Items		$ 6,398,920

Section 5 Traffic Items					
Lighting			$	$	
Traffic Delineation Items		LS	$	$86,300	
Traffic Signals		LS	$	$2,500,000	
Overhead Sign Structures	3	EA	$200,000	$600,000	
Roadside Signs	4	EA	$150,000	$600,000	
Traffic Control Systems		LS	$	$350,000	
Transportation Management Plan		LS	$	$445,000	
Traffic Operations Systems		LS	$	$500,000	
Ramp Metering		LS	$	$500,000	
				Subtotal Traffic Items	$ 5,581,300
			TOTAL SECTIONS 1 thru 5		$ 37,291,500

Section 6 Minor Items	Item Cost	Section Cost
$ 37,291,500 x (5%) = (Subtotal Sections 1 thru 5)	$ 1,864,575	
TOTAL MINOR ITEMS		$ 1,864,600

Section 7 Roadway Mobilization		
$ 39,156,100 x (10%) = (Subtotal Sections 1 thru 6)	$ 3,915,610	
TOTAL ROADWAY MOBILIZATION		$ 3,915,700

Section 8 Roadway Additions

Supplemental Work		
$ 39,156,100 x (5%) = (Subtotal Sections 1 thru 6)	$ 1,957,805	
Contingencies		
$ 39,156,100 x (20%) = (Subtotal Sections 1 thru 6)	$ 7,831,220	
TOTAL ROADWAY ADDITIONS		$ 9,789,100
TOTAL ROADWAY ITEMS (Subtotal Sections 1 thru 8)		$ 52,861,000

Estimate Prepared By: Tak Hong (Print Name) Phone#: 510-286-5153 Date: 8-10-07

Estimate Checked By: Roni Boukhalil (Print Name) Phone#: 510-286-5694 Date: 8-10-07

II. STRUCTURES ITEMS

	Structure (1)	Structure (2)	Structure (3)
Bridge Name			
Structure Type			
Width (out to out) - (m)			
Span Lengths - (m)			
Total Area - (m^2)			
Footing Type (pile/spread)			
Cost Per m^2 (incl. 10% mobilization and 25% contingency)			
Total Cost for Structure	$17,364,000		

SUBTOTAL STRUCTURES ITEMS (Sum of Total Cost for Structures) $17,364,000

Railroad Related Costs:	$0	$0
		$
		$

SUBTOTAL RAILROAD ITEMS $0

TOTAL STRUCTURES ITEMS (Sum of Structures Items plus Railroad Items) $17,364,000

COMMENTS:

Estimate Prepared By: Evan Francilisio (Print Name) Phone#: 916-227-8127 Date: 6/28/07

III. RIGHT OF WAY ITEMS	(2007$) VALUE
A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	$8,222,625
B. Utility Relocation (State share)	$600,000
C. Relocation Assistance	$0
D. Clearance/Demolition	$0
E. Title and Escrow Fees	$87,500
F. Environmental Mitigation	$3,500,000
G. Permit Fees	$22,000
H. Grantor's Appraisal	$155,000
TOTAL RIGHT OF WAY ITEMS	$12,588,000

F. Construction Contract Work

Brief Description of Work:

_____

_____

_____

Right of Way Branch Cost Estimate for Work $0

COMMENTS:

Estimate Prepared By: Melanie Hunt (Print Name) Phone#: 510-286-5489 Date: 4/26/07

Project Report Cost Estimate

Caltrans Metric

District-County-Route: 04-NAP-29-KP 6.7-8.7 (PM 4.2-5.4)
& 04-NAP-12-KP 0.0-0.4 (PM 0.0-0.2)

EA: 287900

Program Code: HE11

PROJECT DESCRIPTION:

Limits: ON ROUTE 29 FROM 0.9km NORTH OF KELLY ROAD SOUTH TO 1.1km SOUTH OF JUNCTION ROUTE 221 NORTH.

Proposed Improvement (Scope): UPGRADE THE ROUTE 29/ROUTE 12 INTERSECTION IN NAPA COUNTY TO AN INTERCHANGE TO ALLEVIATE TRAFFIC CONGESTION.

Alternative: TIGHT DIAMOND INTERCHANGE

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	$ 47,478,000
TOTAL STRUCTURE ITEMS	$ 10,226,000
SUBTOTAL CONSTRUCTION COSTS (2007$)	$ 57,704,000
TOTAL RIGHT OF WAY ITEMS (2007$)	$ 11,781,000
TOTAL PROJECT CAPITAL OUTLAY COSTS	$ 69,485,000

Reviewed by District Program Manager _____ (Signature)

Approved by Project Manager _____ (Signature) Date 7/30/07

Phone No. 510-286-4925

ATTACHMENT E

I. ROADWAY ITEMS

Section 1 Earthwork	Quantity	Unit	Unit Price	Item Cost	Section Cost
Roadway Excavation	143,969	m3	$40	$5,758,760	
Imported Borrow	305,009	m3	$25	$7,625,225	
Clearing & Grubbing	_____	LS	$_____	$200,000	
Develop Water Supply	_____	LS	$_____	$15,000	
			Subtotal Earthwork		$ 13,599,000

Section 2 Pavement Structural Section					
PCC Pavement (___Depth)	_____	____	$_____	$_____	
PCC Pavement (___Depth)	_____	____	$_____	$_____	
Asphalt Concrete	42,036	tonn	$115	$4,834,140	
Lean Concrete Base	_____	____	$_____	$_____	
Cement-Treated Base	_____	____	$_____	$_____	
Aggregate Base, Cls 3	25,362	m3	$60	$1,521,720	
Cls 3 Permeable Material Blanket	4071	m3	$60	$244,260	
Aggregate Subbase	29,003	m3	$55	$1,595,165	
Pavement Reinforcing Fabric	_____	____	$_____	$_____	
Edge Drains (Under Drains)	_____	____	$_____	$_____	
AC (Leveling)	20	tonn	$150	$3,000	
Aggregate Base, Cls 2	427	m	$60	$25,620	
			Subtotal Pavement Structural Section		$ 8,224,000

Section 3 Drainage					
Large Drainage Facilities	_____	____	$_____	$_____	
Storm Drains	_____	____	$_____	$_____	
Pumping Plants	_____	____	$_____	$_____	
Project Drainage (X-Drains, overside, etc.)	_____	____	$_____	$_____	
			Subtotal Drainage		$ 700,000

Section 4 Specialty Items	Quantity	Unit	Unit Price	Item Cost	Section Cost
Retaining Walls	_____	____	$_____	$_____	
Noise Barriers	_____	____	$_____	$_____	
Minor Concrete (Median Island)	697	m3	$700	$487,900	
Concrete Barrier (Type 60A)	60	m	$600	$36,000	
Concrete Barrier (Type 60)	810	m	$250	$202,500	
Metal Beam Guard Railing	363	m	$120	$43,560	
Equipment/Animal Passes	_____	____	$_____	$_____	
Highway Planting	_____	LS	$_____	$1,680,000	
Replacement Planting	_____	____	$_____	$_____	
Irrigation Modification	_____	____	$_____	$_____	
Relocate Private Irrigation Facilities	_____	____	$_____	$_____	
Erosion Control	_____	LS	$_____	$500,000	
Slope Protection	_____	____	$_____	$_____	
Water Pollution Control	_____	LS	$_____	$725,000	
Post-Construction Stormwater Treatment	_____	LS	$_____	$1,800,000	
Environmental Mitigation (Aerially Deposited Lead)	2660	m3	$250	$665,000	
Resident Engineer Office Space	_____	LS	$_____	$604,800	
			Subtotal Specialty Items		$ 6,744,800

Section 5 Traffic Items					
Lighting	_____	____	$_____	$_____	
Traffic Delineation Items	_____	LS	$_____	$80,700	
Traffic Signals	_____	LS	$_____	$1,750,000	
Overhead Sign Structures	_____	LS	$_____	$600,000	
Roadside Signs	_____	____	$_____	$_____	
Traffic Control Systems	_____	LS	$_____	$350,000	
Transportation Management Plan	_____	LS	$_____	$445,000	
Traffic Operations Systems	_____	LS	$_____	$500,000	
Ramp Metering	_____	LS	$_____	$500,000	
			Subtotal Traffic Items		$ 4,225,700
			TOTAL SECTIONS 1 thru 5		$ 33,493,500

Section 6 Minor Items	Item Cost	Section Cost
$ 33,493,500 x (5%) = (Subtotal Sections 1 thru 5)	$ 1,674,675	
TOTAL MINOR ITEMS		$ 1,674,700

Section 7 Roadway Mobilization		
$ 35,168,200 x (10%) = (Subtotal Sections 1 thru 6)	$ 3,516,820	
TOTAL ROADWAY MOBILIZATION		$ 3,516,900

Section 8 Roadway Additions

Supplemental Work		
$ 35,168,200 x (5%) = (Subtotal Sections 1 thru 6)	$ 1,758,410	
Contingencies		
$ 35,168,200 x (20%) = (Subtotal Sections 1 thru 6)	$ 7,033,640	
TOTAL ROADWAY ADDITIONS		$ 8,792,100
TOTAL ROADWAY ITEMS (Subtotal Sections 1 thru 8)		$ 47,478,000

Estimate Prepared By: Tak Hong (Print Name) Phone#: 510-286-5153 Date: 8-20-07

Estimate Checked By: Roni Boukhalil (Print Name) Phone#: 510-286-5694 Date: 8-20-07

II. STRUCTURES ITEMS

	Structure (1)	Structure (2)	Structure (3)	
Bridge Name	_____	_____	_____	
Structure Type	_____	_____	_____	
Width (out to out) - (m)	_____	_____	_____	
Span Lengths - (m)	_____	_____	_____	
Total Area - (m^2)	_____	_____	_____	
Footing Type (pile/spread)	_____	_____	_____	
Cost Per m^2 (incl. 10% mobilization and 25% contingency)	_____	_____	_____	
Total Cost for Structure	$10,226,000	_____	_____	

SUBTOTAL STRUCTURES ITEMS (Sum of Total Cost for Structures) $10,226,000

Railroad Related Costs:	$0	$0
	_____	$_____
	_____	$_____

SUBTOTAL RAILROAD ITEMS $0

TOTAL STRUCTURES ITEMS (Sum of Structures Items plus Railroad Items) $10,226,000

COMMENTS:

Estimate Prepared By: Evan Francilisio (Print Name) Phone#: 916-227-8127 Date: 6/28/07

III. RIGHT OF WAY ITEMS	(2007$) VALUE
A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	$7,401,000
B. Utility Relocation (State share)	$600,000
C. Relocation Assistance	$0
D. Clearance/Demolition	$0
E. Title and Escrow Fees	$87,500
F. Environmental Mitigation	$3,500,000
G. Permit Fees	$22,000
H. Grantor's Appraisal	$170,000
TOTAL RIGHT OF WAY ITEMS	$11,781,000

F. Construction Contract Work

Brief Description of Work:

_____

_____

_____

Right of Way Branch Cost Estimate for Work $0

COMMENTS:

Estimate Prepared By: Melanie Hunt (Print Name) Phone#: 510-286-5489 Date: 4/26/07

RIGHT OF WAY DATA SHEET

TO: Design North Counties

Date 4/26/07 D.S. # 5246

Dist 04 Co Nap/Sol Rte 12 PM 0.0/3.3 & 0.0/R2.6

ATTN: RONI BOUKHALL

EA 04-264100

Project Description: Jameson Canyon Road Widening

SUBJECT: Right of Way Data – Alternate No.

1. Right of Way Cost Estimate:

		Current Value (Future Use)	Escalation Rate	Escalated Value
A.	Acquisition, including Excess Lands, Damages, and Goodwill.	$ 4,578,016.00	3%	$ 5,002,522.00
	Environmental Permit Fees			$ 22,000.00
	Grantor's Appraisal Costs			$ 160,000.00
	Environmental Mitigation Costs			$ 5,000,000.00
B.	Utility Relocation (State Share)	$ 750,000.00	%	$ 750,000.00
C.	Relocation Assistance	$ 0.00	%	$ 0.00
D.	Clearance/Demolition	$ 20,000.00	3%	$ 21,846.00
E.	Title and Escrow Fees	$ 75,000.00	%	$ 75,000.00
F.	TOTAL ESCALATED VALUE			$ 11,031,368.00
			RT	$ 11,031,000.00
G.	Construction Contract Work	$ 0.00		

2. Anticipated Date of Right of Way Certification 4/10

3. Parcel Data:

Type		Dual/Appr
X		
A	15	
B	17	
C		
D		
E	XXXX	
F	XXXX	

Total 32

Utilities	
U4-1	6
-2	7
-3	
-4	
U5-7	1
-8	2
-9	12

RR Involvements	
None	
C&M Agrmt	
Svc Contract	1
Design	
Const.	
Lic/RE/Clauses	1

Misc R/W Work	
RAP Displ	0
Clear Demo	3
Const. Permits	0
Condemnation	4

Areas: Right of Way 63.42 Acres No. Excess Parcels _____ Excess _____

Enter PMCS Screens 4 / 30 / 07 by [signature]

Enter AGRE Screen (Railroad data only) ____ / ____ / ____ by ____

4. Are there any major items of construction contract work?
Yes ☐ No ☒ (If yes, explain)

5. Provide a general description of the right of way and excess lands required (zoning, use, major improvements, critical or sensitive parcels, etc.). No right of way required ☐

32 part takes are required for this project. They include fee, utility easements and temporary construction easements. These parcels are all zoned for agricultural use. Two barns, one water tank and a small, unused utility building owned by the City of Vallejo are within the required area.

6. Is there an effect on assessed valuation?
Yes ☐ Not Significant ☒ No ☐ (If yes, explain)

7. Are utility facilities or rights of way affected? Yes ☒ No ☐
(If yes, attach Utility Information Sheet Exhibit 01-01-05)

8. Are railroad facilities or rights of way affected? Yes ☒ No ☐
(If yes, attach Railroad Information Sheet Exhibit 01-01-06)

9. Were any previously unidentified sites with hazardous waste and/or material found?
Yes ☐ None evident ☒ (If yes, attach memorandum per Procedural Handbook Volume 1, Section 101.011)

10. Are RAP displacements required? Yes ☐ No ☐
(If yes, provide the following information)

No. of single family 0 No. of business/non profit 0

No. of multi-family 0 No. of farms 0

Based on Draft/Final Relocation Impact Statement/Study dated _____, it is anticipated that sufficient replacement housing (will/will not) be available without Last Resort Housing.

11. Are there material borrow and/or disposal sites required? Yes ☐ No ☒
(If yes, explain)

12. Are there potential relinquishments and/or abandonments? Yes ☐ No ☒
(If yes, explain)

13. Are there any existing and/or potential Airspace sites? Yes ☐ No ☒
(If yes, explain)

14. Indicate the anticipated Right of Way schedule and lead time requirements. (Discuss if District proposes less that PMCS lead time and/or if significant pressures for project advancement are anticipated.)

PYPSCAN lead time (from Regular R/W to project certification) 18 months

15. Is it anticipated that all Right of Way work be performed by CALTRANS staff?
Yes ☒ No ☐ (If no, discuss)

Assumptions and Limiting Conditions

- This data sheet was completed without a hazardous waste/materials report.
- Information on this data sheet was based on maps provided by Roni Boukhalil on February 26, 2007 and minor design changes dated April 16, 2007.
- **Parcel count is based on the estimator's knowledge of ownership, land use and larger parcel issues.**

Evaluation Prepared By: Renata Frey

Right of Way: Name Renata Frey Date 4/30/07

Railroad: Name [signature] Date 4/30/07

Utilities: Name [signature] Date 4/30/07

Recommended for Approval:

[signature]

Right of Way Capital Cost Coordinator

I have personally reviewed this Right of Way Data Sheet and all supporting information. It is my opinion that the probable Highest and Best Use, estimated values, escalation rates, and assumptions are reasonable and proper subject to the limiting conditions set forth, and find this Data Sheet complete and current.

[signature]

Chief, R/W Appraisal Services

5/9/07

Date

cc: Program Manager
Project Manager

UTILITY INFORMATION SHEET

1. Utility Owners located within project limits:

   PG&E, AT&T, Napa Public Works, City of Benicia, City of Vallejo, American Canyon, CA Dept. of Water Resources, Comcast

2. Facilities potentially impacted by project (if known, include Owner(s) and facility type(s)):

   U/G telephone, O/H electric & telephone, U/G gas, electric, storm drains, sewer, water, fiber optic & hydrants

3. Anticipated Workload:
   - X Utility Verification required – Completed
   - X Positive Identification - Completed
   - X Utility Relocation
   - ____ Other (Specify)

4. Additional information concerning anticipated utility involvements (include limiting conditions and a narrative addressing likelihood that conflicts will occur);

   X Involves possible relocation of electric transmission facilities
   (If X'd, Data sheet should be forwarded to environmental)

5. PMCS input information

U4-1	6	Owner Expense Involvements	U5-7	1	Verifications-without involvements
U4-2	6	State Expense Involvements *(Conventional, No Fed Aid)*	U5-8		Verifications-50% involvements
U4-3		State Expense Involvements *(Freeway, No Fed Aid)*	U5-9	12	Verifications resulting in involvements
U4-4		State Expense Involvements *(Conventional or Freeway, No Fed Aid)*			

NOTE: The sum of the U-4's must equal the sum of ½ of the U5-8's and all of the U5-9's.

ESTIMATED STATE SHARE OF COSTS $750,000.00

Prepared by: Edgar Velez

Right of Way Utility Coordinator

4/20/07
Date

RAILROAD INFORMATION SHEET

1. Describe railroad facilities or right of way affected.

   Cal Northern RR

2. When branch lines or spurs are affected, would acquisition and/or payment of damages to businesses and/or industries served by the railroad facility be more cost effective than construction of a facility to perpetuate the rail services? (See Procedural Handbook Volume 4a, Chapter 440 for further detail.)
   Yes ☐ No ☐ (If yes, explain)

3. Discuss types of agreements and rights required from the railroads. Are grade crossings requiring service contracts, or grade separations requiring construction and maintenance agreements involved?

   No

4. Remarks (Nonoperating railroad right of way involved?)

5. PMCS Input Information

RR Involvements		
None		
C&M Agreement		
Svc Contract		1
	Design	
	Const.	
Lic/RE/Clauses		1

Prepared By: Pat Coggins

Right of Way Railroad Coordinator

4/30/07
Date

RIGHT OF WAY DATA SHEET

TO: Design North Counties

Date 4/4/07 D.S. # 5245

Dist 04 Co Nap Rte 29 PM 4.2/5.5

ATTN: RONI BOUKHALIL

EA 04-287900

Project Description: Route 29/12 Interchange

SUBJECT: Right of Way Data – Alternate No. Tight Diamond

1. Right of Way Cost Estimate:

		Current Value (Future Use)	Escalation Rate	Escalated Value
A.	Acquisition, including Excess Lands, Damages, and Goodwill.	$ 7,401,000.00	3%	$ 8,087,272.53
	Environmental Mitigation			$ 3,500,000.00
	Permit Fees			$ 22,000.00
	Grantor's Appraisal Cost			$ 170,000.00
B.	Utility Relocation (State Share)	$ 600,000.00	%	$ 600,000.00
C.	Relocation Assistance	$ 0.00	%	$ 0.00
D.	Clearance/Demolition	$ 0.00	%	$ 0.00
E.	Title and Escrow Fees	$ 87,500.00	%	$ 87,500.00
F.	TOTAL ESCALATED VALUE		rt	$ 12,466,772.53 $ 12,467,000.00
G.	Construction Contract Work	$ 0.00		

2. Anticipated Date of Right of Way Certification 10/09

3. Parcel Data:

Type		Dual/Appr
X		
A	6	
B	28	1
C		
D		
E	XXXX	
F	XXXX	

Total 34

Utilities	
U4-1	3
-2	3
-3	
-4	
U5-7	
-8	
-9	6

RR Involvements	
None	X
C&M Agrmt	
Svc Contract	
Design	
Const.	
Lic/RE/Clauses	

Misc R/W Work	
RAP Displ	0
Clear Demo	0
Const. Permits	0
Condemnation	3

Areas: Right of Way 17.72 acres No. Excess Parcels ____ Excess ____

Enter PMCS Screens 4 / 26 / 07 by

4. Are there any major items of construction contract work?
Yes ☐ No ☒ (If yes, explain)

5. Provide a general description of the right of way and excess lands required (zoning, use, major improvements, critical or sensitive parcels, etc.). No right of way required ☐

34 part takes are required for this project. All properties are industrial – some are improved. No major improvements are affected.

6. Is there an effect on assessed valuation?
Yes ☐ Not Significant ☐ No ☒ (If yes, explain)

7. Are utility facilities or rights of way affected? Yes ☒ No ☐
(If yes, attach Utility Information Sheet Exhibit 01-01-05)

8. Are railroad facilities or rights of way affected? Yes ☐ No ☒
(If yes, attach Railroad Information Sheet Exhibit 01-01-06)

9. Were any previously unidentified sites with hazardous waste and/or material found?
Yes ☐ None evident ☒ (If yes, attach memorandum per Procedural Handbook Volume 1, Section 101.011)

10. Are RAP displacements required? Yes ☐ No ☒
(If yes, provide the following information)

No. of single family _____ No. of business/non profit _____

No. of multi-family _____ No. of farms _____

Based on Draft/Final Relocation Impact Statement/Study dated _____, it is anticipated that sufficient replacement housing (will/will not) be available without Last Resort Housing.

11. Are there material borrow and/or disposal sites required? Yes ☐ No ☒
(If yes, explain)

12. Are there potential relinquishments and/or abandonments? Yes ☐ No ☒
(If yes, explain)

13. Are there any existing and/or potential Airspace sites? Yes ☐ No ☒
(If yes, explain)

14. Indicate the anticipated Right of Way schedule and lead time requirements. (Discuss if District proposes less that PMCS lead time and/or if significant pressures for project advancement are anticipated.)

PYPSCAN lead time (from Regular R/W to project certification) 19 months

15. Is it anticipated that all Right of Way work be performed by CALTRANS staff?
Yes ☒ No ☐ (If no, discuss)

Assumptions and Limiting Conditions

- This data sheet was completed without a hazardous waste/materials report.
- Information on this data sheet was based on maps provided by Roni Boukhalil on February 26, 2007.

Evaluation Prepared By: Renata Frey

Right of Way:	Name	Renata Frey	Date	4/4/07
Railroad:	Name		Date	4/4/07
Utilities:	Name	Edgar Velez by R Frey	Date	4/5/07

Recommended for Approval:

Right of Way Capital Cost Coordinator

I have personally reviewed this Right of Way Data Sheet and all supporting information. It is my opinion that the probable Highest and Best Use, estimated values, escalation rates, and assumptions are reasonable and proper subject to the limiting conditions set forth, and find this Data Sheet complete and current.

Chief, R/W Appraisal Services

5/9/07
Date

cc: Program Manager
Project Manager

UTILITY INFORMATION SHEET

1. Utility Owners located within project limits:

   PG&E, AT&T, City of American Canyon, California Dept. of Water resources, Comcast

2. Facilities potentially impacted by project (if known, include Owner(s) and facility type(s)):

   UG & OH telephone, UG & OH electric, UG gas, storm drains, sewer, water, fiber optic

3. Anticipated Workload:

   5 Utility Verification required - **completed**
   12 Positive Identification
   6 Utility Relocation
   ____ Other (Specify)

4. Additional information concerning anticipated utility involvements (include limiting conditions and a narrative addressing likelihood that conflicts will occur);

   ____ Involves possible relocation of electric transmission facilities
   (If X'd, Data sheet should be forwarded to environmental)

   We have attempted to verify the locations of 14" & 20" water lines owned by City of American Canyon. These are adjacent to the intersection of State Routes 12 and 29.

5. PMCS input information

   U4-1 3 Owner Expense Involvements
   U4-2 3 State Expense Involvements *(Conventional, No Fed Aid)*
   U4-3 ____ State Expense Involvements *(Freeway, No Fed Aid)*
   U4-4 ____ State Expense Involvements *(Conventional or Freeway, No Fed Aid)*

   U5-7 ____ Verifications-without involvements
   U5-8 ____ Verifications-50% involvements
   U5-9 6 Verifications resulting in involvements

   NOTE: The sum of the U-4's must equal the sum of ½ of the U5-8's and all of the U5-9's.

ESTIMATED STATE SHARE OF COSTS $600,000.00

Prepared by: Edgar Velez

Edgar Velez by Edgar
Right of Way Utility Coordinator

4-5-07
Date

RIGHT OF WAY DATA SHEET

TO: Design North Counties

Date 4/4/07 D.S. # 5245

Dist 04 Co Nap Rte 29 PM 4.2/5.5

ATTN: RONI BOUKHALIL

EA 04-287900

Project Description: Route 29/12 Interchange

SUBJECT: Right of Way Data – Alternate No. Single Point

1. Right of Way Cost Estimate:

		Current Value (Future Use)	Escalation Rate	Escalated Value
A.	Acquisition, including Excess Lands, Damages, and Goodwill.	$ 8,222,625.00	3%	$ 8,985,084.35
	Environmental Mitigation			$ 3,500,000.00
	Permit Fees			$ 22,000.00
	Grantor's Appraisal Cost			$ 155,000.00
B.	Utility Relocation (State Share)	$ 600,000.00	%	$ 600,000.00
C.	Relocation Assistance	$ 0.00	%	$ 0.00
D.	Clearance/Demolition	$ 0.00	%	$ 0.00
E.	Title and Escrow Fees	$ 87,500.00	%	$ 87,500.00
F.	TOTAL ESCALATED VALUE			$ 13,349,584.35
			rt	$ 13,350,000.00
G.	Construction Contract Work	$ 0.00		

2. Anticipated Date of Right of Way Certification 10/09

3. Parcel Data:

Type		Dual/Appr
X		
A	6	
B	28	1
C		
D		
E	XXXX	
F	XXXX	

Total 34

Utilities	
U4-1	3
-2	3
-3	
-4	
U5-7	
-8	
-9	6

RR Involvements	
None	X
C&M Agrmt	
Svc Contract	
Design	
Const.	
Lic/RE/Clauses	

Misc R/W Work	
RAP Displ	0
Clear Demo	0
Const. Permits	0
Condemnation	3

Areas: Right of Way 20.16 acres No. Excess Parcels _____ Excess _____

Enter PMCS Screens 4 / 26 / 07 by M. Cook

Enter AGRE Screen (Railroad data only) / / by

ATTACHMENT F
Page 12 of 16

4. Are there any major items of construction contract work?
Yes ☐ No ☒ (If yes, explain)

5. Provide a general description of the right of way and excess lands required (zoning, use, major improvements, critical or sensitive parcels, etc.). No right of way required ☐

31 part takes are required for this project. All properties are industrial – some are improved. No major improvements are affected.

6. Is there an effect on assessed valuation?
Yes ☐ Not Significant ☐ No ☒ (If yes, explain)

7. Are utility facilities or rights of way affected? Yes ☒ No ☐
(If yes, attach Utility Information Sheet Exhibit 01-01-05)

8. Are railroad facilities or rights of way affected? Yes ☐ No ☒
(If yes, attach Railroad Information Sheet Exhibit 01-01-06)

9. Were any previously unidentified sites with hazardous waste and/or material found?
Yes ☐ None evident ☒ (If yes, attach memorandum per Procedural Handbook Volume 1, Section 101.011)

10. Are RAP displacements required? Yes ☐ No ☒
(If yes, provide the following information)

No. of single family _____ No. of business/non profit _____

No. of multi-family _____ No. of farms _____

Based on Draft/Final Relocation Impact Statement/Study dated _____, it is anticipated that sufficient replacement housing (will/will not) be available without Last Resort Housing.

11. Are there material borrow and/or disposal sites required? Yes ☐ No ☒
(If yes, explain)

12. Are there potential relinquishments and/or abandonments? Yes ☐ No ☒
(If yes, explain)

13. Are there any existing and/or potential Airspace sites? Yes ☐ No ☒
(If yes, explain)

14. Indicate the anticipated Right of Way schedule and lead time requirements. (Discuss if District proposes less that PMCS lead time and/or if significant pressures for project advancement are anticipated.)

PYPSCAN lead time (from Regular R/W to project certification) 19 months

15. Is it anticipated that all Right of Way work be performed by CALTRANS staff?
Yes ☒ No ☐ (If no, discuss)

Assumptions and Limiting Conditions

- This data sheet was completed without a hazardous waste/materials report.
- Information on this data sheet was based on maps provided by Roni Boukhalil on February 26, 2007.

Evaluation Prepared By: Renata Frey

Right of Way: Name Renata Frey Date 4/4/07

Railroad: Name [signature] Date 4/4/07

Utilities: Name Edgar Velez Date 4.5.07

Recommended for Approval:

Right of Way Capital Cost Coordinator

I have personally reviewed this Right of Way Data Sheet and all supporting information. It is my opinion that the probable Highest and Best Use, estimated values, escalation rates, and assumptions are reasonable and proper subject to the limiting conditions set forth, and find this Data Sheet complete and current.

Chief, R/W Appraisal Services

5/14/07
Date

cc: Program Manager
Project Manager

UTILITY INFORMATION SHEET

1. Utility Owners located within project limits:

   PG&E, AT&T, City of American Canyon, California Dept. of Water resources, comcast

2. Facilities potentially impacted by project (if known, include Owner(s) and facility type(s)):

   UG & OH telephone, UG & OH electric, UG gas, storm drains, sewer, water, fiber optic

3. Anticipated Workload:
   - 5 Utility Verification required - **completed**
   - 12 Positive Identification
   - 6 Utility Relocation
   - ____ Other (Specify)

4. Additional information concerning anticipated utility involvements (include limiting conditions and a narrative addressing likelihood that conflicts will occur);

   ____ Involves possible relocation of electric transmission facilities
   (If X'd, Data sheet should be forwarded to environmental)

   We have attempted to verify the locations of 14" and 20" water lines owned by City of American Canyon. These are adjacent to the intersection of State routes 12 and 29.

5. PMCS input information

   U4-1 ____ Owner Expense Involvements
   U4-2 ____ State Expense Involvements *(Conventional, No Fed Aid)*
   U4-3 ____ State Expense Involvements *(Freeway, No Fed Aid)*
   U4-4 ____ State Expense Involvements *(Conventional or Freeway, No Fed Aid)*

   U5-7 ____ Verifications-without involvements
   U5-8 ____ Verifications-50% involvements
   U5-9 ____ Verifications resulting in involvements

   NOTE: The sum of the U-4's must equal the sum of ½ of the U5-8's and all of the U5-9's.

ESTIMATED STATE SHARE OF COSTS $600,000.00

Prepared by: Edgar Velez

E Edgar Velez
Right of Way Utility Coordinator

4/5/07
Date

TRANSPORTATION MANAGEMENT PLAN DATA SHEET
(Preliminary TMP Elements and Costs)

Co/Rte/PM 04-NAP-12-KP 0.0-5.3 EA 264100 Project Engineer Fred Witteborn

Project Limit On Rte. 12 from PM 0.0 in Napa to PM R2.6 in Solano County

Project Description Convert Rte. 12 from two lane conventional Hwy. to four lane highway

1) Public Information

- ☐ a. Brochures and Mailers $
- ☐ b. Press Release
- ☐ c. Paid Advertising $
- ☐ d. Public Information Center/Kiosk $
- ☐ e. Public Meeting/Speakers Bureau
- ☐ f. Telephone Hotline
- ☐ g. Internet, E-mail
- ☐ h. Notification to impacted groups (i.e. bicycle users, pedestrians with disabilities, others…)
- ☒ i. Others _____ $175,000

2) Traveler Information Strategies

- ☐ a. Changeable Message Signs (Fixed) $
- ☐ b. Changeable Message Signs (Portable) $160,000
- ☐ c. Ground Mounted Signs $15,000
- ☐ d. Highway Advisory Radio $
- ☐ e. Caltrans Highway Information Network (CHIN)
- ☐ f. Detour maps (i.e. bicycle, vehicle, pedestrian...etc)
- ☐ g. Revised Transit Schedules/maps
- ☐ h. Bicycle community information
- ☐ i. Others

_____ $

3) Incident Management

- ☐ a. Construction Zone Enhanced Enforcement Program (COZEEP) $200,000
- ☐ b. Freeway Service Patrol $
- ☐ c. Traffic Management Team
- ☐ d. Helicopter Surveillance $
- ☐ e. Traffic Surveillance Stations (Loop Detector and CCTV) $
- ☐ f. Others _____ $

TMP Data Sheet (cont.)

4) Construction Strategies

- ☐ a. Lane Closure Chart
- ☐ b. Reversible Lanes
- ☐ c. Total Facility Closure
- ☐ d. Contra Flow
- ☐ e. Truck Traffic Restrictions $ _____
- ☐ f. Reduced Speed Zone $ _____
- ☐ g. Connector and Ramp Closures
- ☐ h. Incentive and Disincentive $ _____
- ☐ i. Moveable Barrier $ _____
- ☐ _____ _____
- ☐ k. Others _____ $ _____

5) Demand Management

- ☐ a. HOV Lanes/Ramps (New or Convert) $ _____
- ☐ b. Park and Ride Lots $ _____
- ☐ c. Rideshare Incentives $ _____
- ☐ d. Variable Work Hours
- ☐ e. Telecommute
- ☐ f. Ramp Metering (Temporary Installation) $ _____
- ☐ g. Ramp Metering (Modify Existing) $ _____
- ☐ h. Others _____ $ _____

6) Alternate Route Strategies

- ☐ a. Add Capacity to Freeway Connector $ _____
- ☐ b. Street Improvement (widening, traffic signal... etc) $ _____
- ☐ c. Traffic Control Officers $ _____
- ☐ d. Parking Restrictions
- ☐ e. Others _____ $ _____

7) Other Strategies

- ☐ a. Application of New Technology $ _____
- ☐ e. Others _____ $ _____

TOTAL ESTIMATED COST OF TMP ELEMENTS = $ 550,000

PREPARED BY A. D. Shah DATE 4-16-07

APPROVAL RECOMMENDED BY Shein Lin DATE 4-16-07

TRANSPORTATION MANAGEMENT PLAN DATA SHEET
(Preliminary TMP Elements and Costs)

Co/Rte/PM 04-NAP-29/12-KP 6.7-8.9 EA 287900 Project Engineer Fred Witteborn

Project Limit On Rte. 29 from 0.9 km N of Kelly Rd. to 1.1 Km S of junction Rte. 221 N.

Project Description Reconstruct RTE. 29/12 Intersection to alleviate traffic congestion.

1) Public Information

- ☐ a. Brochures and Mailers $
- ☐ b. Press Release
- ☐ c. Paid Advertising $
- ☐ d. Public Information Center/Kiosk $
- ☐ e. Public Meeting/Speakers Bureau
- ☐ f. Telephone Hotline
- ☐ g. Internet, E-mail
- ☐ h. Notification to impacted groups (i.e. bicycle users, pedestrians with disabilities, others...)
- ☒ i. Others _____ $150,000

2) Traveler Information Strategies

- ☐ a. Changeable Message Signs (Fixed) $
- ☐ b. Changeable Message Signs (Portable) $160,000
- ☐ c. Ground Mounted Signs $10,000
- ☐ d. Highway Advisory Radio $
- ☐ e. Caltrans Highway Information Network (CHIN)
- ☐ f. Detour maps (i.e. bicycle, vehicle, pedestrian...etc)
- ☐ g. Revised Transit Schedules/maps
- ☐ h. Bicycle community information
- ☐ i. Others

_____ $

3) Incident Management

- ☐ a. Construction Zone Enhanced Enforcement Program (COZEEP) $125,000
- ☐ b. Freeway Service Patrol $
- ☐ c. Traffic Management Team
- ☐ d. Helicopter Surveillance $
- ☐ e. Traffic Surveillance Stations (Loop Detector and CCTV) $
- ☐ f. Others _____ $

TMP Data Sheet (cont.)

4) Construction Strategies

- ☐ a. Lane Closure Chart
- ☐ b. Reversible Lanes
- ☐ c. Total Facility Closure
- ☐ d. Contra Flow
- ☐ e. Truck Traffic Restrictions $ _____
- ☐ f. Reduced Speed Zone $ _____
- ☐ g. Connector and Ramp Closures
- ☐ h. Incentive and Disincentive $ _____
- ☐ i. Moveable Barrier $ _____
- ☐ _____ _____
- ☐ k. Others _____ $ _____

5) Demand Management

- ☐ a. HOV Lanes/Ramps (New or Convert) $ _____
- ☐ b. Park and Ride Lots $ _____
- ☐ c. Rideshare Incentives $ _____
- ☐ d. Variable Work Hours
- ☐ e. Telecommute
- ☐ f. Ramp Metering (Temporary Installation) $ _____
- ☐ g. Ramp Metering (Modify Existing) $ _____
- ☐ h. Others _____ $ _____

6) Alternate Route Strategies

- ☐ a. Add Capacity to Freeway Connector $ _____
- ☐ b. Street Improvement (widening, traffic signal... etc) $ _____
- ☐ c. Traffic Control Officers $ _____
- ☐ d. Parking Restrictions
- ☐ e. Others _____ $ _____

7) Other Strategies

- ☐ a. Application of New Technology $ _____
- ☐ e. Others _____ $ _____

TOTAL ESTIMATED COST OF TMP ELEMENTS = **$ 445,000**

PREPARED BY A. D. Shah DATE 4-16-07

APPROVAL RECOMMENDED BY Shein Lin DATE 4-16-07

EAs: 04-26410 , 04-28790
NAP-012-000.0/ 003.3 : Sol-012-0.0/R2.6
NAPA-029-4.2/5.4
Project Manager: Kelly Hirschberg

JAMESON CANYON

Identification								Qualitative Analysis					Quantitative (Optional)	Response Strategy			Monitoring and Control		
								Probability	Impact			LINEAR							
Priority	Risk ID	Status	Category	Date Phase Identifying Function Affected Phase	Identified Risk (must be specific and measurable)	Additional Supporting Facts About the Risk / Root Causes	Risk Trigger		Type	Estimated Impact	Evaluated Impact	Risk Matrix		Strategy	Response Actions including advantages and disadvantages	WBS Tasks Affected	Risk Owner / Function	Status Interval or Milestone Check	Changes and Comments: (List dates for all changes and entries made to this log)
(1)	(2)	(4)	(5)	(6)	(7)	(8)	(9)	10	12	13	15	16	18	19	20	21	22	23	24
	1	Active	Env	DATE 3/15/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY ENVIRONMENTAL AFFECTED PHASE PA&ED	USFWS response to B.O. May affect schedule.	Mitigagion sites north & south of SR 12 may result in requirement for multiple wildlife crossings (~3' culverts, for example). Dispersal will also need to be addressed.	Response to B.O. by USFWS requiring unforseen work.	L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER	L (30%)	Probability VH H M L VL; 5X; VL L M H VH; Impact		Acceptance	This risk can also affects risk #:	WBS 235 Mitigate Environmental Impacts and Clean-up Hazardous Waste	Environmental	Monthly	
	2	Active	R/W	DATE 3/15/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY RIGHT OF WAY AFFECTED PHASE PA&ED	Fluctuation of Acquisition Cost.			L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER	L (30%) I. (30%)	Probability VH H M L VL; 5X; VL L M H VH; Impact		Acceptance	This risk can also affects risk #:	WBS 105 Right of Way Property Management and Excess Land	R/W	Monthly	
	3	Active	Technical	DATE 3/15/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE PS&E	Phase A - Study for Phase Construction - Revised Design			L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER	L (30%) L (30%)	Probability VH H M L VL; 5X; VL L M H VH; Impact		Mitigation	This risk can also affects risk #:	WBS 230 Prepare Draft PS&E	Design	Monthly	
	4	Active	Technical	DATE 3/15/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE PS&E	Split Level - Later Phase delayed due to unbalanced Cut/Fill Quantities			L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER	L (30%)	Probability VH H M L VL; 5X; VL L M H VH; Impact		Mitigation	This risk can also affects risk #:	WBS 230 Prepare Draft PS&E	Design	Monthly	
	5	Active	R/W	DATE 3/15/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY RIGHT OF WAY AFFECTED PHASE PS&E	Utility R/W			L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER	L (30%) L (30%)	Probability VH H M L VL; 5X; VL L M H VH; Impact		Acceptance	This risk can also affects risk #:	WBS 195 Right of Way Property Management and Excess Land	Design	Monthly	
	6	Active	Technical	DATE 3/15/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE PS&E	Staging/Phasing plan determination affects Design timeline and Env. Permitting process.	Env. Permits only valid for specified period. Staging/Phasing of project may require staggered or modified permitting plan. Design impact is implicit.	Determination of Phasing/Staging plan.	M	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL; VL L M H VH; Impact		Mitigation	Determine phasing and staging as soon as possible. This risk can also affects risk #:	WBS 230 Prepare Draft PS&E	Design	Monthly	
	7	Active	Regulatory	DATE 3/15/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY ENVIRONMENTAL AFFECTED PHASE PA&ED	External Permits - RWQCB, Army Corp, USFWS. Possible high mitigation costs.			L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER	L (30%) L (30%)	Probability VH H M L VL; 5X; VL L M H VH; Impact		Acceptance	This risk can also affects risk #:	WBS 235 Mitigate Environmental Impacts and Clean-up Hazardous Waste	Environmental	Monthly	
	8	Active	Regulatory	DATE 3/15/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE PS&E	Additional costs due to WQCB requirements for state water and/or hydro-modification	WQCB requirements dependent on impervious material usage and state waters. Hydro-modification is relatively new and non-standard.	Declaration of requirements by WQCB.	L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL; VL L M H VH; Impact		Mitigation	Propose guidance to WQCB that best facilitates project goals prior to issuance of their recommendation. This risk can also affects risk #:	WBS 230 Prepare Draft PS&E	Design	Monthly	
	9	Active	External	DATE 3/4/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE PS&E	Traffic forecasting and operational analysis may need to be done again	There has been some disagreement between Caltans and STA concerning projects that should be assumed completed in design year for traffic forecasts. If, in the future, the STA states CT's assumptions are not justified, traffic forecasting and operational analysis could need to be done again, seriously affecting project schedule.	STA notifies Caltrans or others concerning objection	L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER	H (70%)	Probability VH H M L VL; X; VL L M H VH; Impact			This risk can also affects risk #:				

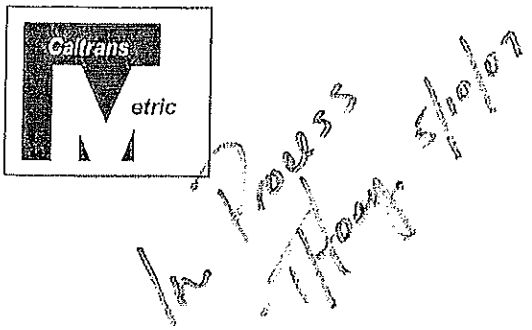
Identification							Qualitative Analysis					Quantitative (Optional)	Response Strategy			Monitoring and Control		
							Probability	Impact			LINEAR							
Priority	Risk ID	Status	Category	Date Identifying Phase / Function Affected Phase	Identified Risk (must be specific and measurable)	Additional Supporting Facts About the Risk / Root Causes	Risk Trigger		Type	Estimated Impact	Evaluated Impact	Risk Matrix		Strategy	Response Actions including advantages and disadvantages	WBS Tasks Affected	Risk Owner / Function	Status Interval or Milestone Check	Changes and Comments: (List dates for all changes and entries made to this log)
(1)	(2)	(4)	(5)	(6)	(7)	(8)	(9)	10	12	13	15	16	18	19	20	21	22	23	24
	10	Active	Technical	DATE 4/3/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE PS&E	Materials Escalation: 1) Increase in pavement materials unit costs between preliminary estimates and bid to start construction. 2) Deflection study for rehab recommendations require up to 120 days.	Radical price fluctuations in Asphalt Oil and escalating cost trend of steele and concrete items necessitate locking in engineering estimate as late as possible.	Cost escalation after final estimate locked in.	H	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact		Mitigation	Lock in estimate as late as possible and forecast costs when possible. This risk can also affects risk #:	WBS 230 Prepare Draft PS&E	Design	Monthly	
	11	Active	Const	DATE 4/5/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE CONSTRUCTION	Impact to traffic caused by stage construction	Intent is to minimize traffic delays to 15 minutes max. and to have at least one laneopen in each direction during the day		M	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact		Mitigation	This risk can also affects risk #:	WBS 230 Prepare Draft PS&E	Traffic/Construction	Monthly	
	12	Active	R/W	DATE 4/8/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY RIGHT OF WAY AFFECTED PHASE PS&E	Delay in R/W delivery due to PAED delay.	R/W delivery is dependent on PAED staying on schedule. If PAED slips, so will R/W work. Utility relocations and R/W acquisitions can't be started prior to PAED milestone being met.			Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:				
	13	Active	R/W	DATE 4/6/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY RIGHT OF WAY AFFECTED PHASE PS&E	Delay due to condemnation process	Once the acquisition process starts, if we end up in condemnation with any of the property owners, the timeline could lengthen for gaining legal possession, due to recent legislation (Assembly Bill 1210).			Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:				
	14	Active	Env	DATE PHASE ID'd UNIT RISK ID'd BY AFFECTED PHASE	delay due to incomplete compliance with comprehensive environmental data report	recommendations of the 2002 Site Investigation Report must be fully incorporated during next phase			Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:				
	15	Active	Regulatory	DATE 4/12/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY ENVIRONMENTAL AFFECTED PHASE PS&E	401 cert required from Reg 2 Water Board. 401 Cert may not be granted if added (33 ac) and rework (27.5 ac) areas are not treated for water quality.		If added and rework not treated off-site mitigation will be req'd. From $65k-75k/acre	M	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:	WBS 235 Mitigate Environmental Impacts and Clean-up Hazardous Waste	Water Quality	Monthly	
	16	Active	Const	DATE 4/13/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY STRUCTURES AFFECTED PHASE CONSTRUCTION	Cost increase due to unanticipated site conditions for soil nail walls and MSE walls	The estimated cost for the walls includes 25% for contingencies and 10% for mobilization. That should cover reasonably any unforseen cost increase for the construction of the walls.	Geotechnical Report	L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:		Structures	Monthly	
	17	Active	External	DATE 4/25/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY ENVIRONMENTAL AFFECTED PHASE PA&ED	Delay due to acquisition of land by Solano Land Trust and subsequent prohibitive designation of land	Land targeted for project easement(s) is anticipated to be purchased by Solano Land Trust (SLT). If SLT designates as Conservation or Preservation Easement, planned work will likely be delayed or alternatives will be required.	Purchase of land by Solano Land Trust.	M	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact		Mitigation	Meet ASAP with Solano Land Trust to prevent prohibitive designation or otherwise agree to facilitate planned work This risk can also affects risk #:				
	18	Active	Env	DATE 4/25/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY ENVIRONMENTAL AFFECTED PHASE PA&ED	Inadequate funding for Env. Consultants, CH2MHill, may delay NES & Bio. Assessment	Current funding projected to run out prior to end of FY. NES & B.A. target completion in July '07. Delivery of B.O. is 6 month minimum .	Depletion of allocated funds for consultant contract.	M	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact		Mitigation	Project funding requirements - if shortfall anticipated, request additional funding. This risk can also affects risk #:				

Identification								Qualitative Analysis					Quantitative (Optional)	Response Strategy			Monitoring and Control		
								Probability	Impact			LINEAR							
Priority	Risk ID	Status	Category	Date Identifying Phase / Function Affected Phase	Identified Risk (must be specific and measurable)	Additional Supporting Facts About the Risk / Root Causes	Risk Trigger		Type	Estimated Impact	Evaluated Impact	Risk Matrix		Strategy	Response Actions including advantages and disadvantages	WBS Tasks Affected	Risk Owner / Function	Status Interval or Milestone Check	Changes and Comments: (List dates for all changes and entries made to this log)
(1)	(2)	(4)	(5)	(6)	(7)	(8)	(9)	10	12	13	15	16	18	19	20	21	22	23	24
	19	Active	Env	DATE 4/25/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY ENVIRONMENTAL AFFECTED PHASE PA&ED	Unforseen mitigation costs due to utility variations.	Scope of Utility related work uncertain at this time. Scope needs to be determined to accurately estimate mitigation costs.	Identification of significant additional mitigation costs late in delivery schedule.	L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact		Mitigation	Meet with Utilities to determine specific scope of Utility work required. This risk can also affects risk #:				
	20	Active	Env	DATE 4/25/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY ENVIRONMENTAL AFFECTED PHASE PA&ED	Delay due to public review process utilized by Army Corps of Civil Engineers	If integrated NEPA 404 Permit, public review process is typical.		L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact		Avoidance	Do not opt for Integrated NEPA 404 permit. This risk can also affects risk #:				
	21	Active	Env	DATE 4/25/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY ENVIRONMENTAL AFFECTED PHASE PA&ED	Cost/scope increase due to ADL and other hazmat removal / mitigation.	Water table elevation amy affect reuse of hazmat as well as Structural design criteria.	Determination of signifiicant hazmat quantities and/or high water table.	L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact		Mitigation	Complete site investigation. This risk can also affects risk #:				
	22	Active	External	DATE 4/25/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE PA&ED	Planned detour affected by private acquisition and development of land at SE & SW Quadrants of I/C.	Proposed detour alignment uses currently undeveloped land. If developed, detour would have to be realigned and/or other traffic mitigation.	Acquisition and development of land at SE & SW Quadrants of 12/29 I/C.		Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:				
	23	Active	Technical	DATE 4/25/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE PS&E	Change in material recommendation and subsequent design requirements	Current recommendation is dated. New policies and/or degraded site condition may require modification of structural section.	Determination of significant degradation and/or significant policy changes since original material recommendation.	M	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact		Mitigation	Investigate new policies and verify existing conditions. This risk can also affects risk #:		Design		
	24	Active	Technical	DATE 4/3/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE PS&E	Cost & Scope increase due to addition of bicycle railing on concrete barrier or bridge rail.	Sol 12 is proposed as a Class 3 Bicycle Route in STA Plan. Potential need to provide connection to future off-road Class 1 Bicycle Path in Napa Co. Plan.			Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:		Landscape/Design		
	25	Active	Technical	DATE 4/3/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE PS&E	Addition of aesthetic treatment to retaining wall concrete barrier.	Sol-12 to County designated Scenic Road. - $350/M for treatment.	County request for aesthetic improvement to design.	M	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:		Landscape/Design		
	26	Active	Proj Mgmt	DATE 4/3/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE PS&E	Separate contract requirement for Visual Mitiation Revegetation Planting	Planting work estimated to exceed $200K with 4 year duration - conditions requiring a separate contract.	Estimate of mitigation planting and plant establishment work >$200K.	VH	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact		Mitigation	Split off separate planting contract prior to Construction phase. This risk can also affects risk #:		Landscape/Project Management		
	27	Active	Proj Mgmt	DATE 4/3/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE PS&E	Counties reject funding of aesthetic treatment of retaining walls		Rejection by counties.	L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact		Acceptance	Provide County agencies regular updates and solicit continuous input. This risk can also affects risk #:		Landscape/Project Management		

Identification								Qualitative Analysis					Quantitative (Optional)	Response Strategy			Monitoring and Control		
								Probability	Impact			LINEAR							
Priority	Risk ID	Status	Category	Phase Identifying Function Affected Phase	Identified Risk (must be specific and measurable)	Additional Supporting Facts About the Risk / Root Causes	Risk Trigger		Type	Estimated Impact	Evaluated Impact	Risk Matrix		Strategy	Response Actions including advantages and disadvantages	WBS Tasks Affected	Risk Owner / Function	Status Interval or Milestone Check	Changes and Comments: (List dates for all changes and entries made to this log)
(1)	(2)	(4)	(5)	(6)	(7)	(8)	(9)	10	12	13	15	16	18	19	20	21	22	23	24
	28	Active	Technical	DATE 4/3/2007 PHASE ID'd PA&ED UNIT RISK ID'd BY DESIGN AFFECTED PHASE PS&E	Cost and Scope increase due to tiered retaining wall	Negative Visual Impact may result in request for 3-tiered wall. This may impact R/W limits and structural/geotech. design.	Public Meeting yields negative consensus on existing design.	L	Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact		Mitigation	Early public meetings with high impact visual aids. This risk can also affects risk #:		Landscape/Project Management		
				DATE PHASE ID'd UNIT RISK ID'd BY AFFECTED PHASE					Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:				
				DATE PHASE ID'd UNIT RISK ID'd BY AFFECTED PHASE					Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:				
				DATE PHASE ID'd UNIT RISK ID'd BY AFFECTED PHASE					Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:				
				DATE PHASE ID'd UNIT RISK ID'd BY AFFECTED PHASE					Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:				
				DATE PHASE ID'd UNIT RISK ID'd BY AFFECTED PHASE					Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:				
				DATE PHASE ID'd UNIT RISK ID'd BY AFFECTED PHASE					Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:				
				DATE PHASE ID'd UNIT RISK ID'd BY AFFECTED PHASE					Cost ($) Time (X) Scope (S) Quality (Q)	DOLLAR AMT NO. OF DAYS TO GO TO REFER TO GO TO REFER		Probability VH H M L VL / VL L M H VH Impact			This risk can also affects risk #:				

APPENDIX E

Long Form - Storm Water Data Report



Dist-County-Route: 04-NAP/SOL-12
KP (PM) 0.0-5.3 (0.0-3.3), 0.0-R4.2 (0.0-R2.6)
Project Type: Jameson Canyon Roadway Widening
EA: 264100
RU: 04-264
Program Identification: _____
Phase: ☐ PID ■ PA/ED ☐ PS&E

Regional Water Quality Control Board(s): San Francisco Bay (RWQCB-Region 2)

Is the project required to consider incorporating Treatment BMPs? Yes ■ No ☐

If yes, can Treatment BMPs be incorporated into the project? Yes ■ No ☐

If No, a Technical Data Report must be submitted to the RWQCB at least 30 days prior to Advertisement. List submittal date: _____

Total Disturbed Soil Area: 62.7 ha (155 acres)

Estimated: Construction Start Date: 5/1/09 Construction Completion Date: 1/1/12

Notification of Construction (NOC) Date to be submitted: 04/01/09

Notification of ADL reuse (if Yes, provide date) Yes ☐ Date _____ No X

Separate Dewatering Permit (if Yes, permit number) Yes ☐ Permit # _____ No X

This Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

_____
Roni F Boukhalil, Registered Project Engineer *Date*

I have reviewed the storm water quality design issues and find this report to be complete, current, and accurate:

_____
Kelly Hirschberg, Project Manager *Date*

_____
Bob Braga, Designated Maintenance Representative *Date*

_____
David Yam, Designated Landscape Architect Representative *Date*

STAMP
[Required for PS&E only]

_____
Trang Hoang, District/Regional SW Coordinator or Designee *Date*

APPENDIX E *Long Form - Storm Water Data Report*

Caltrans Metric

In Process - Hoang 5/1/09

Dist-County-Route: 04-NAP-12/29
KP (PM) 6.7-8.9 (4.2-5.5)
Project Type: Rte 29/12 Interchange
EA: 28790
RU: 04-264
Program Identification: _____
Phase: ☐ PID ■ PA/ED ☐ PS&E

Regional Water Quality Control Board(s): San Francisco Bay (RWQCB-Region 2)

Is the project required to consider incorporating Treatment BMPs? Yes ■ No ☐

If yes, can Treatment BMPs be incorporated into the project? Yes ■ No ☐

If No, a Technical Data Report must be submitted to the RWQCB at least 30 days prior to Advertisement. List submittal date: _____

Total Disturbed Soil Area: 24.5 ha (60.5 acres)

Estimated: Construction Start Date: 5/1/09 Construction Completion Date: 1/1/12

Notification of Construction (NOC) Date to be submitted: 04/01/09

Notification of ADL reuse (if Yes, provide date) Yes ☐ Date _____ TBD X

Separate Dewatering Permit (if Yes, permit number) Yes ☐ Permit # _____ TBD X

This Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

_____
Roni F Boukhalil, Registered Project Engineer *Date*

I have reviewed the storm water quality design issues and find this report to be complete, current, and accurate:

_____
Kelly Hirschberg, Project Manager *Date*

_____
Bob Braga, Designated Maintenance Representative *Date*

_____
David Yam, Designated Landscape Architect Representative *Date*

STAMP
[Required for PS&E only]

_____
Trang Hoang, District/Regional SW Coordinator or Designee *Date*

State Route 12 Jameson Canyon Road Widening &
State Routes 29/12 Interchange Project
COMMENT CARD

September 13, 2007

Name:_____

Date:_____

Affiliation (if Applicable):_____

Address:_____

For the Proposed Retaining Walls which preliminary design concept is your preference?

- ☐ Dry Stack Stone Pattern: Using cast in place concrete with form liners to give the appearance of a built stone wall modeled and stained to appear similar to local quarry rock.
- ☐ Carved Rock Pattern: Shotcrete applied to excavated slopes to appear as a more natural rock outcropping, carved and stained to match local geological characteristics.

Other comments/Questions (please use reverse side for additional space):

_____

_____

_____

_____

_____

_____

_____

How to Submit Your Comments:

- Turn in your completed comment card tonight in the box located at the welcome table;
- Mail to:

The Solano Transportation Authority
Attention: Janet Adams
One Harbor Center, Suite 130,
Suisun City, CA 94585

or

The Napa County Transportation Planning Agency
Attention: John Ponte
707 Randolph, Suit 100
Napa, CA 94559-2912

or

Caltrans
Attention: Kelly Hirschberg
Mail Station 9-F
111 Grand Ave.
Oakland, CA 94623-0660

Comments must be received by 05:00 p.m. on September 25, 2007