Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Son	101	33.3	4	158

REGISTERED CIVIL ENGINEER — DATE 2/22/13

5-13-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Fred J. Witteborn No. 56272 Exp. 12-31-14 CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Caltrans Metric

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

LEGEND:

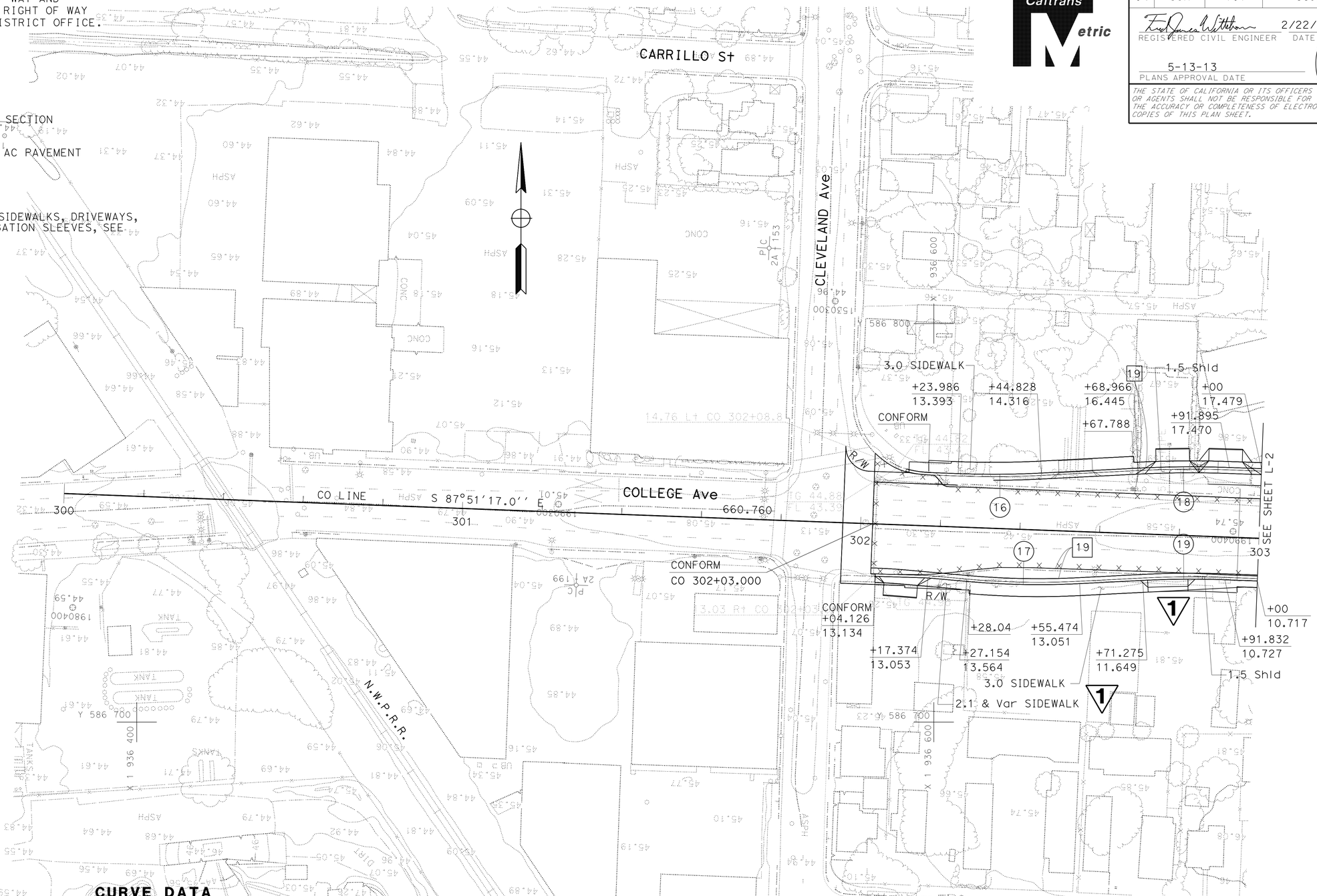
(No.) CURVE DATA

[No.] STRUCTURAL SECTION

COLD PLANE AC PAVEMENT

NOTE:

FOR CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS, CURB RAMPS AND IRRIGATION SLEEVES, SEE SHEETS C-4 TO C-6.



CURVE DATA

No.	R	Δ	T	L	N-COORDINATE	E-COORDINATE
16	235.900	05°04'06.4"	10.441	20.868	586998.1029	1936614.9387
17	201.501	08°03'38.2"	14.198	28.348	586936.0034	1936626.3086
18	264.099	04°58'51.0"	11.487	22.960	586499.9787	1936664.5476
19	235.901	05°00'0.7"	10.297	20.584	586500.0116	1936664.4569

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

LAYOUT

SCALE 1:500

L-1

1 REPLACED PER ADDENDUM No. 1 DATED DECEMBER 27, 2013

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **DESIGN**

FUNCTIONAL SUPERVISOR: JONATHAN LEE

CALCULATED-DESIGNED BY: FRED J. WITTEBORN — REVISED BY: FJW
CHECKED BY: JONATHAN LEE — DATE REVISED: 2/13/13

LAST REVISION 02-13-13 — DATE PLOTTED => 26-DEC-2013 — TIME PLOTTED => 14:06

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Son	101	33.3	9	158

REGISTERED CIVIL ENGINEER — DATE 2/22/13

5-13-13
PLANS APPROVAL DATE

Fred J. Witteborn No. 56272 Exp. 12-31-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

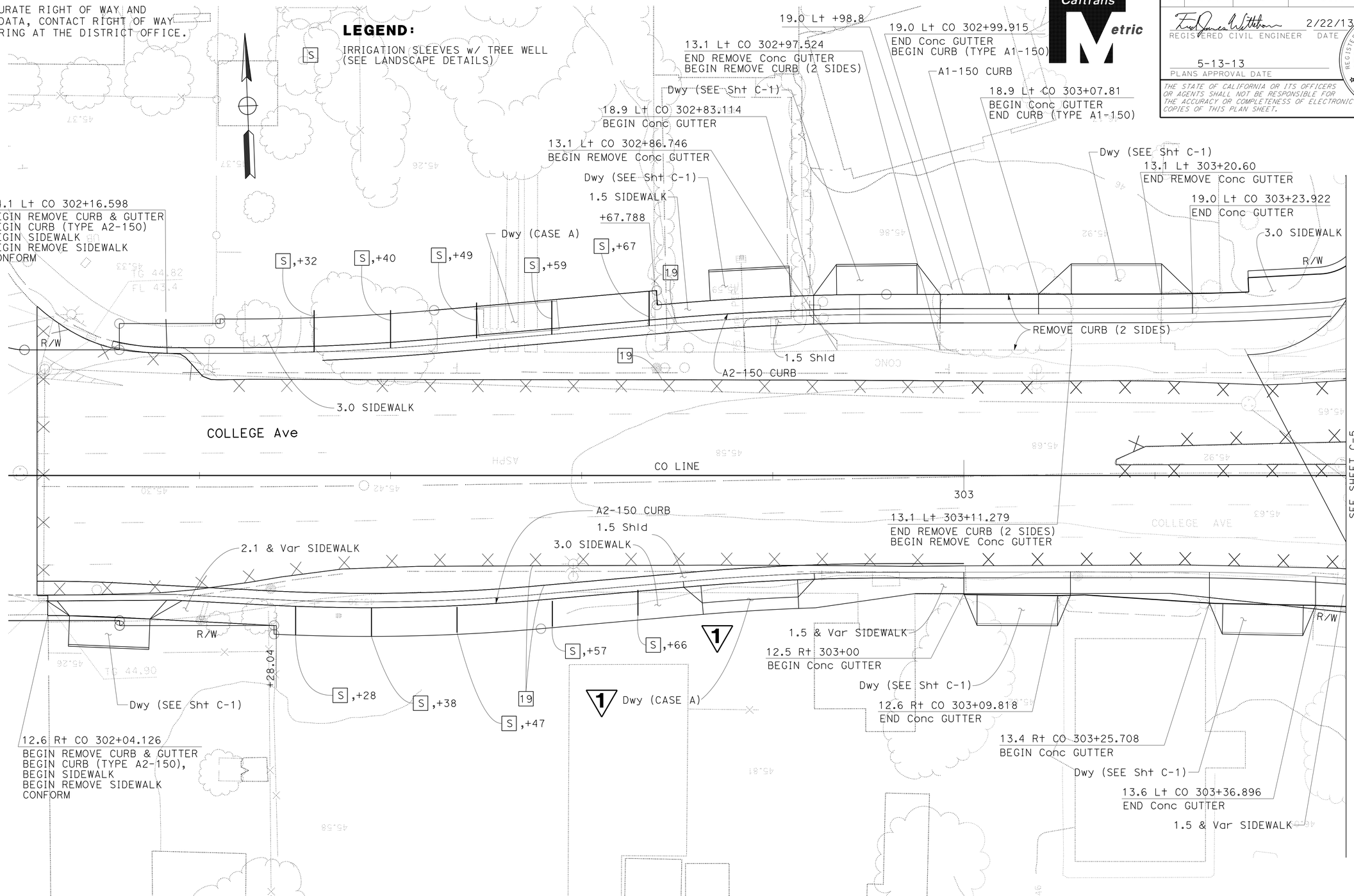
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Caltrans Metric

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

LEGEND:

S — IRRIGATION SLEEVES w/ TREE WELL (SEE LANDSCAPE DETAILS)



1 REPLACED PER ADDENDUM No. 1 DATED DECEMBER 27, 2013

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

CONSTRUCTION DETAILS

NO SCALE

C-4

REVISED BY	DATE REVISED
FJW	2/13/13

FRED J. WITTEBORN — JONATHAN LEE

CALCULATED-DESIGNED BY — CHECKED BY

FUNCTIONAL SUPERVISOR — JONATHAN LEE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN

Caltrans

LAST REVISION 02-13-13 — DATE PLOTTED => 27-DEC-2013 — TIME PLOTTED => 09:26

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Son	101	33.3	89	158

REGISTERED CIVIL ENGINEER 2/22/13 DATE

5-13-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Fred J. Witteborn No. 56272 Exp. 12-31-14 CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

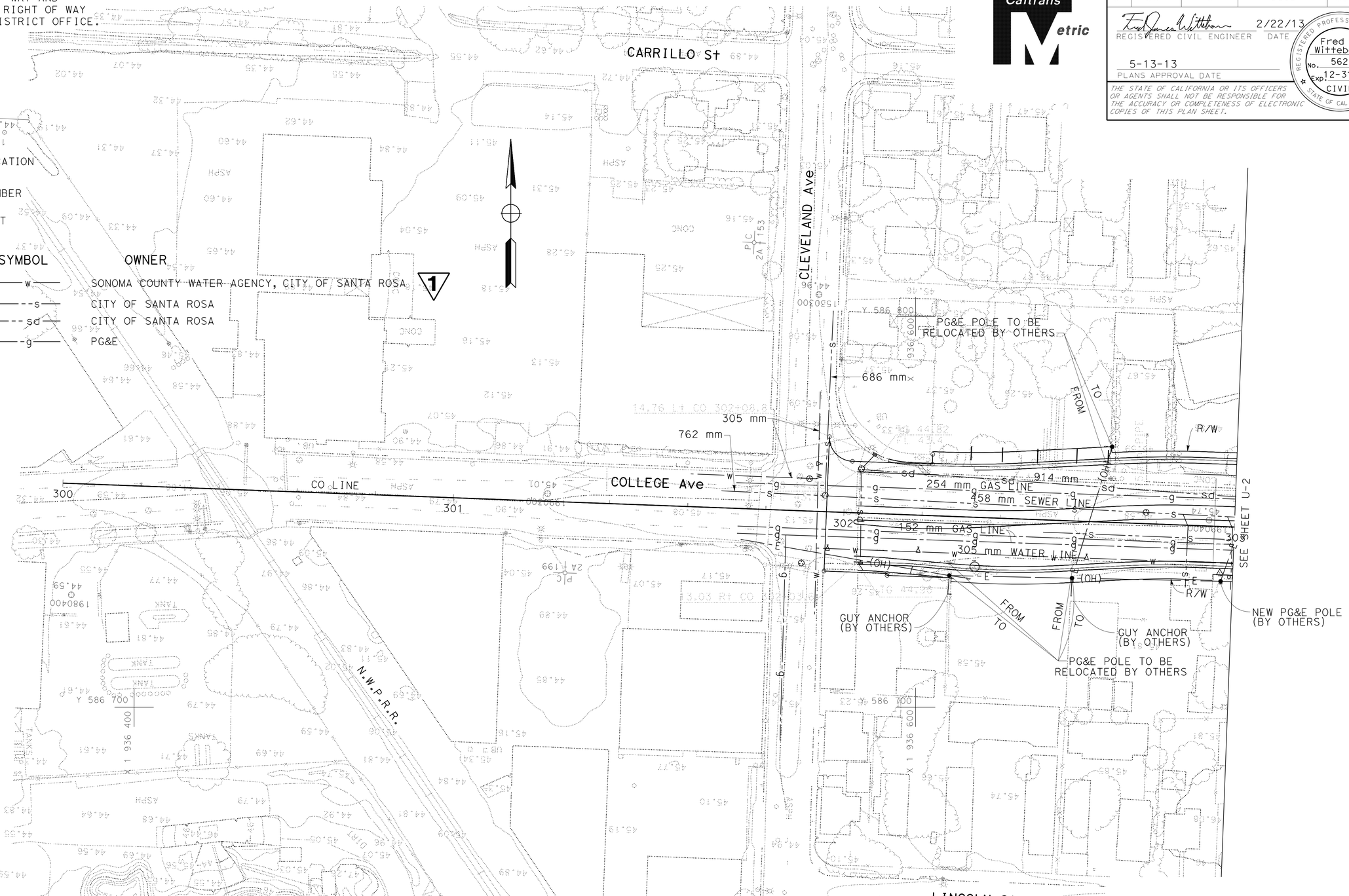
Caltrans Metric

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

LEGEND:

- POTHOLE LOCATION
- No. POTHOLE NUMBER
- FIRE HYDRANT

UTILITY	SYMBOL	OWNER
WATER	—w—	SONOMA COUNTY WATER AGENCY, CITY OF SANTA ROSA
SEWER	—s—	CITY OF SANTA ROSA
STORM DRAIN	—sd—	CITY OF SANTA ROSA
GAS LINE	—g—	PG&E



ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

UTILITY PLAN

SCALE: 1:500

U-1

1 **REPLACED PER ADDENDUM No. 1 DATED DECEMBER 27, 2013**

THIS PLAN ACCURATE FOR UTILITY WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: JONATHAN LEE
CALCULATED-DESIGNED BY: FRED J. WITTEBORN
CHECKED BY: JONATHAN LEE
REVISED BY: FJW
DATE REVISED: 2/13/13

LAST REVISION 02-13-13
DATE PLOTTED => 27-DEC-2013
TIME PLOTTED => 05:31

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Son	101	33.3	97	158

REGISTERED CIVIL ENGINEER — DATE 2/22/13

5-13-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Fred J. Witteborn — No. 56272 — Exp. 12-31-14 — CIVIL — STATE OF CALIFORNIA

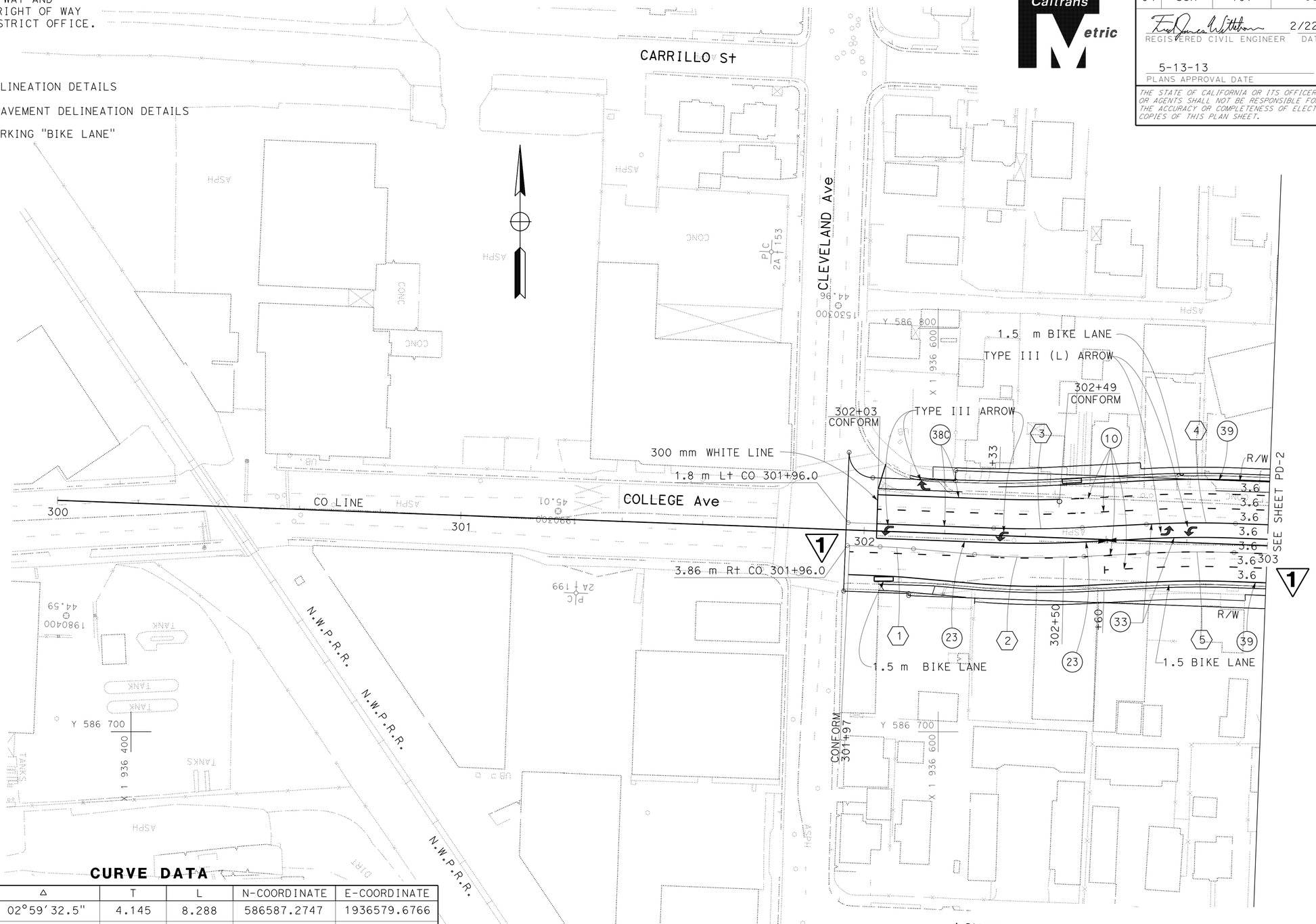
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Caltrans Metric

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

LEGEND:

- (No.) PAVEMENT DELINEATION DETAILS
- CHANGE OF PAVEMENT DELINEATION DETAILS
- PAVEMENT MARKING "BIKE LANE"
- DELINEATOR
- (No.) CURVE DATA



CURVE DATA

No.	R	Δ	T	L	N-COORDINATE	E-COORDINATE
1	244.603	02°59′32.5"	4.145	8.288	586587.2747	1936579.6766
2	192.800	08°03′38.3"	13.584	27.124	586936.0025	1936626.3086
3	248.200	05°01′06.4"	10.985	21.956	586998.5068	1936623.0546
4	251.800	05°01′17.4"	11.041	22.068	586499.9742	1936664.5478
5	244.601	04°59′58.2"	10.678	21.343	586499.9796	1936664.4557

1 **REPLACED PER ADDENDUM No. 1 DATED DECEMBER 27, 2013**

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE 1:500

PD-1

CALCULATED-DESIGNED BY	FRED J. WITTEBORN	REVISED BY	FJW
CHECKED BY	JONATHAN LEE	DATE REVISED	2/13/13
FUNCTIONAL SUPERVISOR	JONATHAN LEE		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN — Caltrans

LAST REVISION 02-14-13 — DATE PLOTTED => 26-DEC-2013 — TIME PLOTTED => 14:06

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Son	101	33.3	98	158

REGISTERED CIVIL ENGINEER 2/22/13 DATE

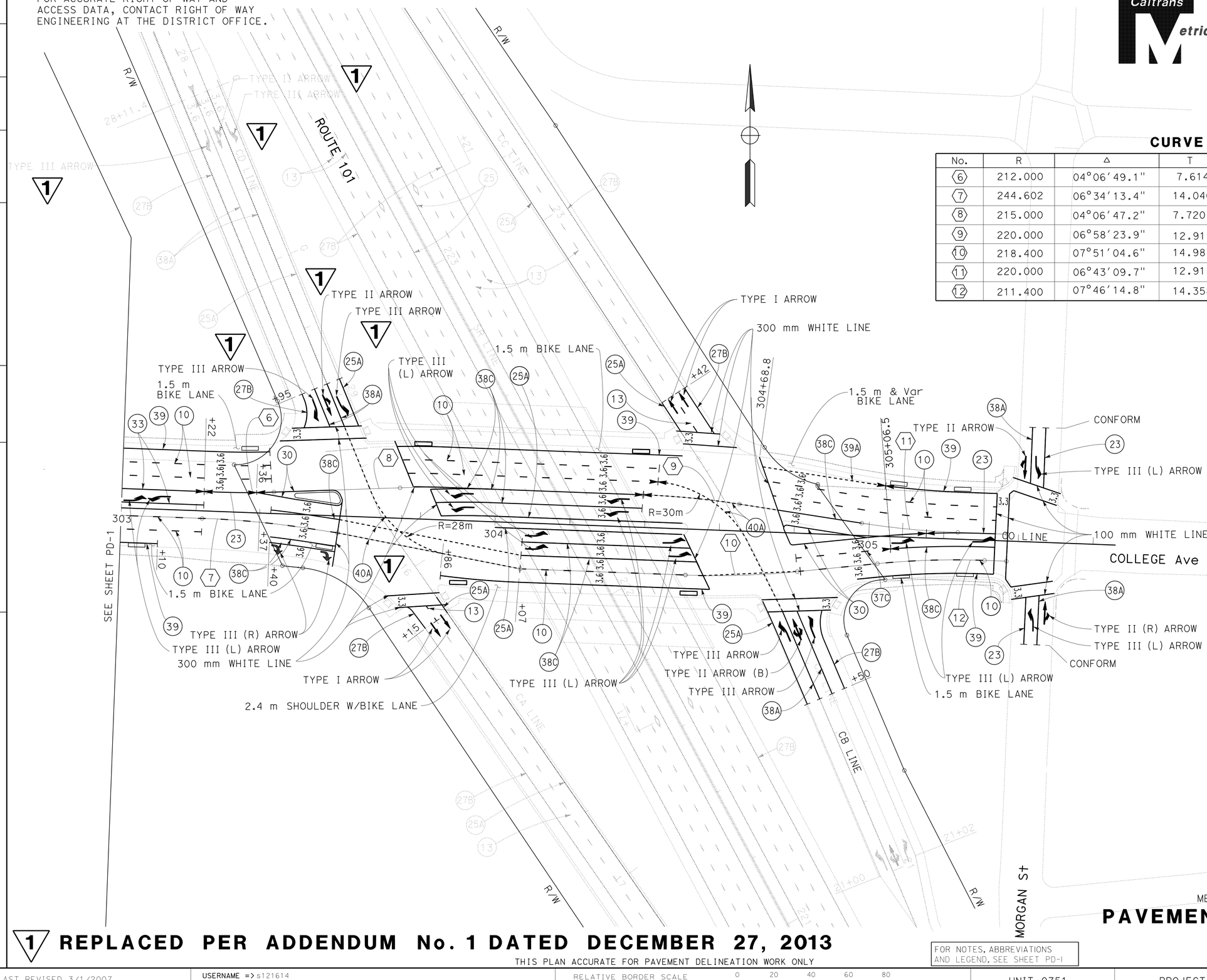
5-13-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Fred J. Witteborn No. 56272 Exp. 12-31-14 CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Caltrans Metric

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



CURVE DATA

No.	R	Δ	T	L	N-COORDINATE	E-COORDINATE
6	212.000	04°06'49.1"	7.614	15.221	586962.2157	1936715.0849
7	244.602	06°34'13.4"	14.040	28.050	586498.8973	1936694.2752
8	215.000	04°06'47.2"	7.720	15.434	586536.6266	1936763.4746
9	220.000	06°58'23.9"	12.917	25.802	586537.7493	1936813.6723
10	218.400	07°51'04.6"	14.987	29.928	586946.4214	1936840.7269
11	220.000	06°43'09.7"	12.915	25.801	586959.4088	1936913.4552
12	211.400	07°46'14.8"	14.358	28.671	586520.8378	1936904.4602

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION PLAN

SCALE 1:500

PD-2

1 REPLACED PER ADDENDUM No. 1 DATED DECEMBER 27, 2013

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

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

CALCULATED-DESIGNED BY	FRED J. WITTEBORN	REVISED BY	FJW
CHECKED BY	JONATHAN LEE	DATE REVISED	2/13/13
FUNCTIONAL SUPERVISOR	JONATHAN LEE		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

LAST REVISION 02-13-13 DATE PLOTTED => 26-DEC-2013 TIME PLOTTED => 14:18

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Son	101	33.3	100	158

REGISTERED CIVIL ENGINEER 2/22/13 DATE

5-13-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Fred J. Witteborn No. 56272 Exp. 12-31-14 CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Caltrans Metric

1

TRAFFIC STRIPES, PAVEMENT MARKING AND PAVEMENT MARKERS

SHEET No.	STATION LIMITS	DETAIL No. OR PAVEMENT MARKING	LENGTH	PAVEMENT MARKER					THERMOPLASTIC TRAFFIC STRIPE					THERMOPLASTIC PAVEMENT MARKING				
				NON-REFLECTIVE		RETROREFLECTIVE			100 mm YELLOW	WHITE 100 mm	WHITE 150 mm	150 mm WHITE (BROKEN 2.44-1.22)	WHITE 200 mm	LIMIT LINE DIAGONAL CROSSWALK	ARROW TYPE I	ARROW TYPE II	ARROW TYPE III	BIKE LANE
				TYPE A	TYPE AY	TYPE G	TYPE H	TYPE D										
			m	EA					m					m^2				
PD-2	A† CD 28+95 TO 29+08	38A	13										13					
	R† CD 28+95 TO 29+07	38A	12										12					
	R† CD 28+95 TO 29+06	27B	11							11								
	R† CD 29+00	ARROW TYPE II (L)	1 EA													4.18		
	L† & R† CD 29+00	ARROW TYPE III	2 EA														7.8	
	L† CD 28+95 TO 29+10	25A	15				3		15									
	A† CD 29+10	CROSSWALK (300 mm WHITE LINE)	42											12.6				
	L† CD 28+00	ARROW TYPE II (L)	1 EA													4.18		
	L† CD 28+00	ARROW TYPE III	1 EA														3.9	
PD-2	R† CO 303+58 TO 304+07	40A	98	84														
	A† CD 29+08 TO R† CO 303+86	40A	45	38														
	R† CO 303+86 TO 304+58	39	72								72							
	L† & R† CO 303+86	BIKE LANE	2 EA															2.04
	R† CO 304+07 TO 304+57	10	50	21		4												
	R† CO 304+07 TO 304+55	38C	48	66		8												
	R† CO 304+07 TO 304+53	38C	46	64		8												
	R† CO 304+07	ARROW TYPE III (L)	2 EA														7.8	
	R† CO 304+50	ARROW TYPE III (L)	2 EA														7.8	
	R† CO 304+00 TO 304+50	25A	50				8		50									
	L† & R† CO 304+50	BIKE LANE	2 EA															2.04
	R† CO 304+50	LIMIT LINE (300 mm WHITE)	16											4.8				
	L† CO 303+86	LIMIT LINE (300 mm WHITE)	8											2.4				
	L† CO 303+86 TO 304+50	25A	64				10		64									
	L† CO 303+84 TO 304+40	38C	56	78		8												
	L† CO 303+78 TO 304+44	38C	66	90		10												
	L† CO 303+86	ARROW TYPE III (L)	2 EA														7.8	
	L† CO 304+50	ARROW TYPE III (L)	2 EA														7.8	
	L† CO 303+78	LIMIT LINE (300 mm WHITE)	13											3.9				
	L† CO 303+76 TO 304+44	10	136	96		12												
	L† CO 303+74 TO 304+50	39	76								76							
	L† CO 304+44 TO 304+76.5	40A	32.5	28														
	L† CO 304+44 TO 304+66	40A	26	23														
	L† & R† CO 305+10	BIKE LANE	2 EA															2.04
	L† & R† CO 305+30	BIKE LANE	2 EA															2.04
	R† CO 304+56 TO 304+80	40A	24	18														
		SHEET TOTAL		606		50	21		129	11	148		25	23.7		8.36	42.9	8.16

1 REPLACED PER ADDENDUM No. 1 DATED DECEMBER 27, 2013

PAVEMENT DELINEATION QUANTITIES

PDQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: JONATHAN LEE
CALCULATED-DESIGNED BY: FRED J. WITTEBORN
CHECKED BY: JONATHAN LEE
REVISED BY: FJW
DATE REVISED: 2/13/13

LAST REVISION 02-13-13
DATE PLOTTED => 27-DEC-2013
TIME PLOTTED => 05:40

Dist	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Son	101	33.3	101	158

REGISTERED CIVIL ENGINEER 2/22/13 DATE

5-13-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Fred J. Witteborn No. 56272 Exp. 12-31-14 CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Caltrans Metric

1

TRAFFIC STRIPES, PAVEMENT MARKING AND PAVEMENT MARKERS

SHEET No.	STATION LIMITS	DETAIL No. OR PAVEMENT MARKING	LENGTH	PAVEMENT MARKER					THERMOPLASTIC TRAFFIC STRIPE					THERMOPLASTIC PAVEMENT MARKING				
				NON-REFLECTIVE		RETROREFLECTIVE								LIMIT LINE DIAGONAL CROSSWALK	ARROW TYPE			BIKE LANE
				TYPE A	TYPE AY	TYPE G	TYPE H	TYPE D	100 mm YELLOW	WHITE 100 mm	WHITE 150 mm	150 mm WHITE (BROKEN 2.44-1.22)	WHITE 200 mm		I	II	III	
			m	EA					m					m²				
PD-2	R† CB 21+50 TO 21+73	27B	24							24								
	R† CB 21+50 TO 21+75	38A	25										25					
	A† CB 21+50 TO 21+76	38A	26										26					
	L† CB 21+50 TO 21+78	25A	28				5		28									
	L† & R† CB 21+70	ARROW TYPE III	2 EA														7.80	
	R† CB 21+70	ARROW TYPE II (B)	1 EA													5.48		
	A† CB 21+76	CROSSWALK (300 mm WHITE)	38											11.4				
	R† CC 22+27 TO 22+42	27B	15							15								
	A† CC 22+27	CROSSWALK (300 mm WHITE)	28											8.4				
	R† CC 22+42	ARROW TYPE I	2 EA												4.64			
	R† CC 22+30 TO 22+42	13	12	4		2												
	A† CC 22+34 TO 22+42	25A	8				2		8									
	R† CO 304+94 TO 305+34	39	40								40							
	R† CO 304+80 TO 305+34	10	54	24		5												
	R† CO 304+80.5 TO 305+06.5	37C	27	28		5												
	R† CO 305+06.5 TO 305+34	38C	29.5	42		5												
	R† & L† CO 304+76.5 TO 305+01	30	56		80			18										
	L† CO 305+01 TO 305+34	23	33		50			12										
	L† CO 304+68.8 TO 304+76.5	LIMIT LINE (300 mm WHITE LINE)	19											5.7				
	R† CO A† 305+06.5	ARROW TYPE III (L)	1 EA														3.9	
	R† CO A† 305+34	ARROW TYPE III (L)	1 EA														3.9	
	L† CO 304+76.5 TO 305+00	38C	23.5	32		8												
	L† CO 304+68 TO 305+34	10	132	54		12												
	L† CO 304+68.8 TO 305+06.5	39A	38									38						
	L† CO 305+06.5 TO 305+34	39	28								28							
	A† CO 305+34	CROSSWALK (300 mm WHITE LINE)	46											13.8				
	MORGAN S† NORTHBOUND	38A	13										13					
		23	13		20			4										
		CROSSWALK (300 mm WHITE LINE)	28											8.4				
		ARROW TYPE II (R)	1 EA													4.18		
		ARROW TYPE III (L)	1 EA														3.9	
	MORGAN S† SOUTHBOUND	38A	15										15					
		23	17		30			6										
		ARROW TYPE II (R)	1 EA													4.18		
		ARROW TYPE III (L)	1 EA														3.9	
		CROSSWALK (300 mm WHITE LINE)	26											7.8				
THIS SHEET TOTAL PDQ-3				184	180	37	7	40	36	39	68	38	79	55.5	4.64	13.84	23.4	
SHEET TOTAL PDQ-2				606		50	21		129	11	148		25	23.7		8.36	42.9	8.16
SHEET TOTAL PDQ-1				388	302	70	2	68	3	7	204			20.4	4.64		35.1	5.10
SHEET TOTAL SCQ-1				181		43												
SUB-TOTAL				1359	482	200	30	108	168	57	420	38		99.6	9.28	22.2	101.4	13.26
GRAND TOTAL				1841		338			225		458		104	245.74				

1 REPLACED PER ADDENDUM No. 1 DATED DECEMBER 27, 2013

PAVEMENT DELINEATION QUANTITIES
PDQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: JONATHAN LEE
CALCULATED-DESIGNED BY: FRED J. WITTEBORN
CHECKED BY: JONATHAN LEE
REVISED BY: FJW
DATE REVISED: 2/13/13

LAST REVISION 02-13-13 | DATE PLOTTED => 27-DEC-2013 | TIME PLOTTED => 05:40