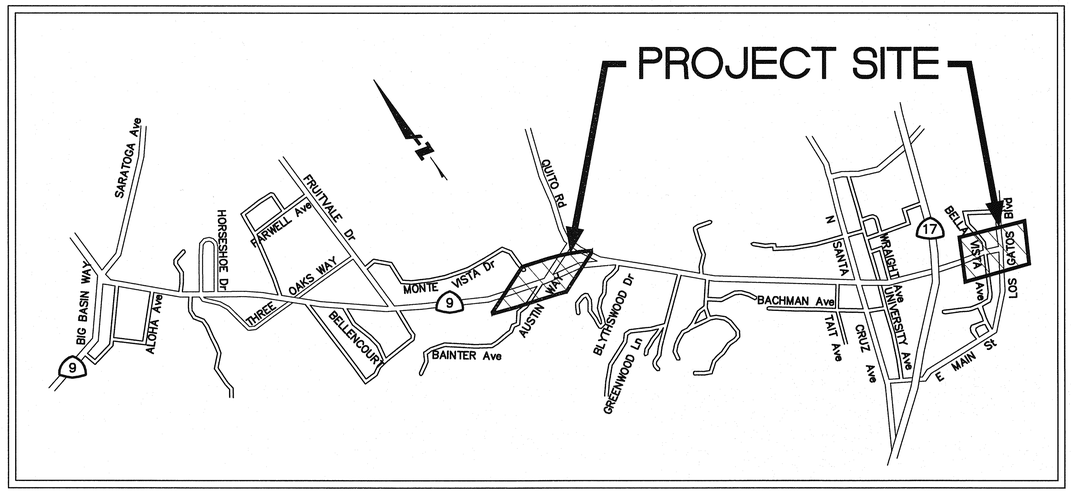
CITY OF SARATOGA, CITY OF MONTE SERENO AND TOWN OF LOS GATOS
HIGHWAY 9 SAFETY IMPROVEMENT PHASE 3
AUSTIN WAY AND LOS GATOS BOULEVARD
CALTRANS PERMIT No. 0411-NMC1636



PREPARED BY:

N. V. BERNARDI
BKF ENGINEERS 11/28/11

REGISTERED PROFESSIONAL ENGINEER
N. V. BERNARDI
No. 45407
Exp. 9/30/12
CIVIL
STATE OF CALIFORNIA

APPROVED BY:

JOHN CHERBONE
DIRECTOR OF PUBLIC WORKS
CITY OF SARATOGA

LEGEND:

—g—	EXISTING GAS LINE (PG&E)
—g— (steel casing)	EXISTING GAS LINE STEEL CASING
—w—	EXISTING WATER LINE (SAN JOSE WATER)
—w— (steel casing)	EXISTING WATER LINE STEEL CASING
—s—	EXISTING SANITARY SEWER LINE
—oh—	EXISTING OVERHEAD ELECTRICAL LINE (PG&E)
—e—	EXISTING ELECTRICAL LINE (PG&E)
OHTV	EXISTING OVERHEAD TELEVISION CABLE (COMCAST)
—tv—	EXISTING TELEVISION CABLE (COMCAST)
—t—	EXISTING TELEPHONE LINE (VERIZON)
—sd—	EXISTING STORM DRAIN LINE (TOWN LOS GATOS)
—x—	EXISTING FENCE LINE
	EXISTING CURB AND GUTTER
	EXISTING THREADLINE OF CREEK
	PROPERTY LINE
R/W	STATE RIGHT OF WAY
	EXISTING POWER POLE OR JOINT POLE
	EXISTING POWER POLE WITH GUY WIRE
	EXISTING ELECTROLIER
	EXISTING SIGN
SDMH	EXISTING STORM DRAIN MANHOLE
SSMH	EXISTING SANITARY SEWER MANHOLE
FH	EXISTING FIRE HYDRANT
	EXISTING INLET
GV	EXISTING GAS VALVE
WV	EXISTING WATER VALVE
WM	EXISTING WATER METER
PB	EXISTING ELECTRIC PULL BOX
Tel PB	EXISTING TELEPHONE PULL BOX
SL PB	EXISTING STREET LIGHT PULL BOX
TV PB	EXISTING TELEVISION PULL BOX
	PROPOSED SIGN
	PROPOSED DRIVEWAY
	PROPOSED CURB RAMP
	PROPOSED RETAINING WALL
SD	PROPOSED STORM DRAIN

SHEET INDEX:

DRAWING No.	TITLE
T-1	TITLE SHEET

CALTRANS

CD-1	CONSTRUCTION DETAILS
E-1 THRU E-6	TRAFFIC SIGNAL MODIFICATION PLANS
PP-1 THRU PP-2	PLANTING PLANS

TOWN OF LOS GATOS

CD-2 THRU CD-3	CONSTRUCTION DETAILS
E-7 THRU E-8	TRAFFIC SIGNAL MODIFICATION PLANS

ABBREVIATIONS:

&	AND	NTS	NOT TO SCALE
AC	ASPHALT CONCRETE	OG	ORIGINAL GRADE
AP	ANGLE POINT	OHE	OVERHEAD ELECTRICAL
BC	BEGIN OF CURVE	PCC	POINT OF COMPOUND CURVE
BEG	BEGIN		PORTLAND CEMENT CONCRETE
B/L	BIKE LANE	PG&E	PACIFIC GAS AND ELECTRIC CO.
BW	BACK OF WALK	PP	POWER POLE
℄	CENTER LINE	PPB	PEDESTRIAN PUSHBUTTON
CMP	CORRUGATED METAL PIPE	PR	PROPOSED
CONC	CONCRETE	PRC	POINT OF REVERSE CURVE
CR	CURB RAMP	PT	POINT
CT	CALTRANS	PVMT	PAVEMENT
DET	DETAIL	R	RADIUS
EC	END OF CURVE	RCP	REINFORCED CONCRETE PIPE
ELEV	ELEVATION	RET	RETAINING
EP	EDGE OF PAVEMENT	RIM	RIM ELEVATION
ETW	EDGE OF TRAVELED WAY	RT	RIGHT
EX	EXISTING	R/W	RIGHT OF WAY
FC	FACE OF CURB	SD	STORM DRAIN
FG	FINISHED GRADE	SDCB	STORM DRAIN CATCH BASIN
FH	FIRE HYDRANT	SDMH	STORM DRAIN MANHOLE
G	GAS	SS	SANITARY SEWER
HC	HANDICAP	SSMH	SANITARY SEWER MANHOLE
HMA	HOT MIXED ASPHALT	STD	STANDARD
HP	HINGE POINT	SW	SIDEWALK
INV	INVERT ELEVATION	T	TELEPHONE
JB	JUNCTION BOX	TC	TOP OF CURB
LG	LIP OF GUTTER	TD	TOP OF DIKE
LT	LEFT	TG	TOP OF GRATE
MH	MANHOLE	TYP	TYPICAL
		W	WATER

BENCH MARK

THE HORIZONTAL DATUM IS BASED UPON NORTH AMERICAN DATUM OF 1983 (NAD 83)

THE VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29)

FOUND BRASS DISK IN MONUMENT WELL STAMPED "LG#32" AT THE INTERSECTION OF SARATOGA – LOS GATOS ROAD AND TAIT AVENUE. ELEVATION = 401.02 (N 1909555.8378, E 6130100.7106).

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Highway 9 Safety Improvement Project Phase 3
Title Sheet

NO.	BY	DATE	REVISIONS:

DATE 11/23/2011
SCALE NO SCALE
SHEET NO. T-1

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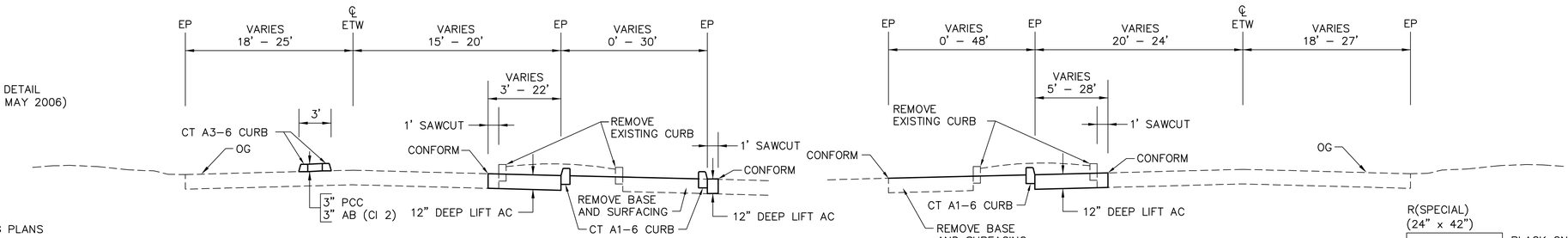
LEGEND:

- ASPHALT CONCRETE PAVEMENT
- REMOVE BASE AND SURFACING
- (C1) CURVE NUMBER
- (EP 490.77) CONFORM ELEVATION
- (22) PROPOSED PAVEMENT DELINEATION DETAIL (SEE CALTRANS STANDARD PLANS, MAY 2006)
- PROPOSED STREET SIGNS
- PCC
- COBBLESTONE MEDIAN (6 / CD-3)
- LANDSCAPING AREA, SEE PLANTING PLANS
- SAWCUT

NOTES:

1. LINE/CURVE TABLE INFORMATION REFERS TO FACE OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. FOR ABBREVIATIONS, SEE SHEET T-1.
3. INFORMATION REGARDING EXISTING SUBSURFACE IMPROVEMENTS AND UTILITIES SHOWN ON THESE PLANS WAS TAKEN FROM RECORD DATA KNOWN TO THE DESIGN ENGINEER AND IT IS NOT MEANT TO BE FIELD INVESTIGATIONS AS REQUIRED TO VERIFY THE LOCATION AND A FULL CATALOG OF EXISTING CONDITIONS. CONTRACTOR SHALL CONDUCT ELEVATION OF ALL EXISTING SUBSURFACE IMPROVEMENTS AND UTILITIES (WHETHER SHOWN ON THESE PLANS OR NOT) PRIOR TO THE COMMENCEMENT OF WORK. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS IN THE FIELD AND INFORMATION SHOWN ON THESE PLANS.
4. CONTRACTOR SHALL USE THERMOPLASTIC FOR ALL PAVEMENT MARKINGS AND STRIPE.
5. CONTRACTOR SHALL REMOVE EXISTING STRIPING THAT IS IN CONFLICT WITH PROPOSED STRIPING.
6. EXACT LOCATION AND POSITION OF ALL ROADWAY SIGNS, PAVEMENT MARKINGS, AND STRIPING SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER.

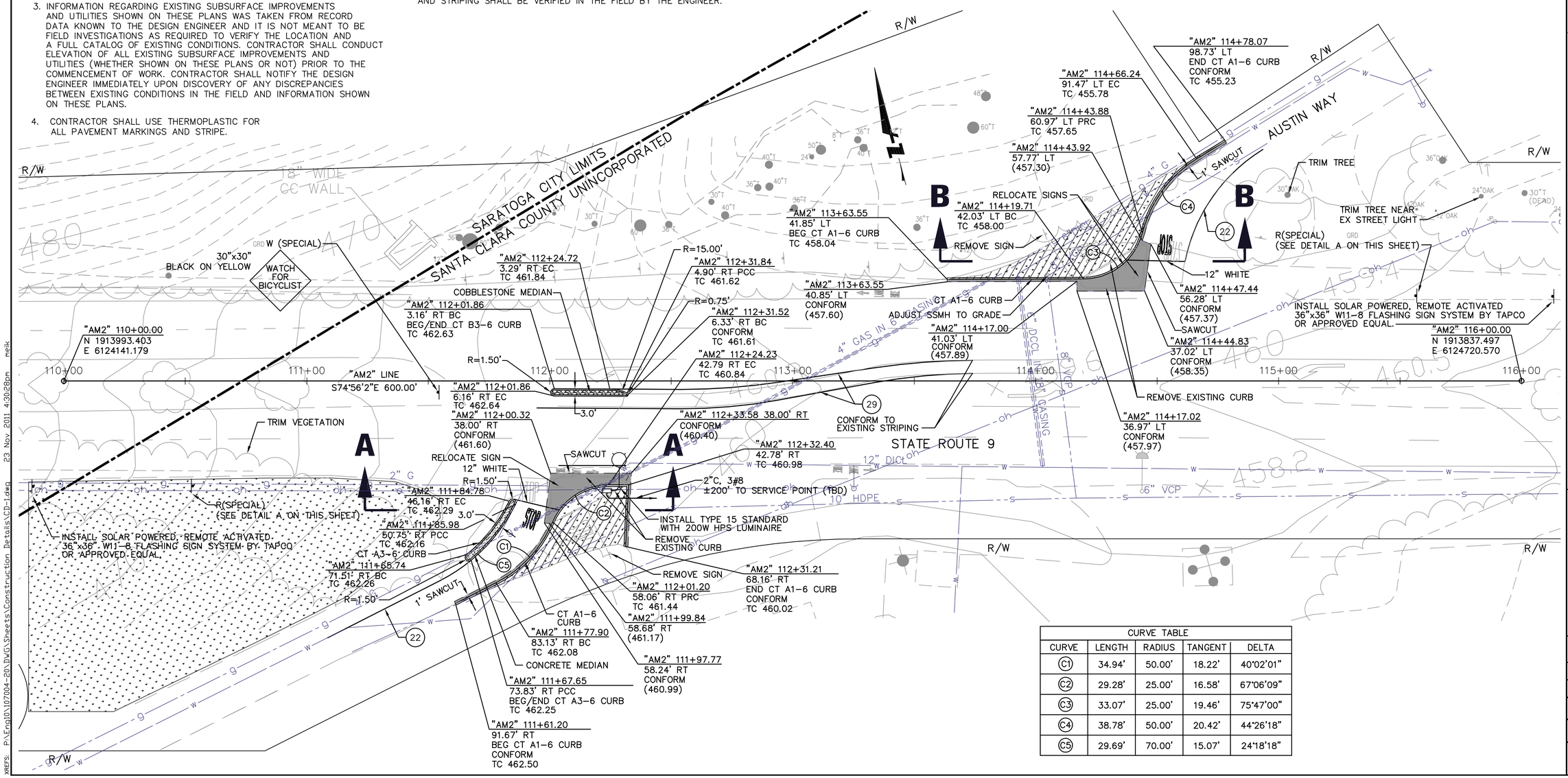


SECTION A–A
NTS

SECTION B–B
NTS

R(SPECIAL)
(24" x 42")
NO RIGHT TURN
BLACK ON WHITE
4 UC

DETAIL A
NTS



CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
C1	34.94'	50.00'	18.22'	40°02'01"
C2	29.28'	25.00'	16.58'	67°06'09"
C3	33.07'	25.00'	19.46'	75°47'00"
C4	38.78'	50.00'	20.42'	44°26'18"
C5	29.69'	70.00'	15.07'	24°18'18"

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Highway 9 Safety Improvement Project Phase 3

Construction Details

NO.	BY	DATE	REVISIONS:

DATE 11/23/2011

SCALE 1" = 20'

SHEET NO. CD-1

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PLOTTING VIEW:
DESIGNER:
TIME: SERVICE:
DATE: SERVER:
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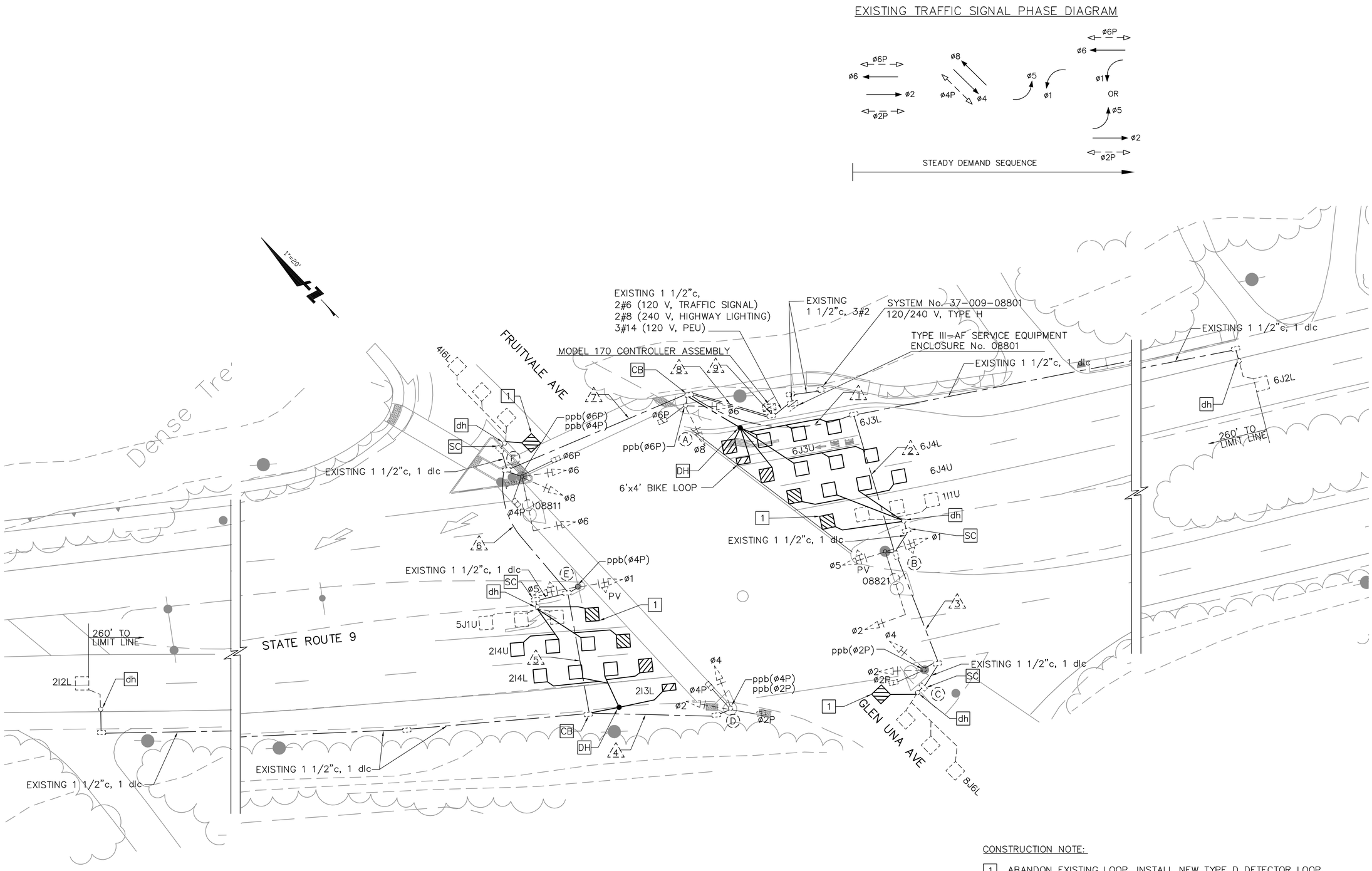

CONSTRUCTION NOTE:

1 ABANDON EXISTING LOOP. INSTALL NEW TYPE D DETECTOR LOOP, AND BICYCLE LOOP DETECTOR SYMBOL PER CALTRANS STANDARD PLAN A24C.

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(408) 467-9100

Highway 9 Safety Improvement Project
Phase 3
Traffic Signal Modification Plan (Location 1)
Fruitvale Ave and State Route 9

NO.	BY	DATE	REVISIONS:

DATE 11/23/2011

SCALE 1" = 20'

SHEET NO. E-1

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XREFS: K:\ENG10\107004-20 HWY 9 Phase III\DWG\Traffic Signal\01 E-1.dwg 23 Nov 2011 3:59:43pm melk

CONDUCTOR SCHEDULE

AWG	CONDUCTOR DESIGNATION	RUN NUMBER 1	2	3	4	5	6	7	8	9
No. 14	ø1	3	3				3	3	6	6
	ø2	3	3	3	3	3	3	3	6	6
	ø4	3	3	3	3	3	3	3	6	6
	ø5	3	3				3	3	6	6
	ø6							3	3	3
	ø8							3	3	3
	ø2P	2	2	2	2	2	2	2	4	4
	ø4P				2	2	2	2	2	2
	ø6P							2	2	2
	ø2PPB	1	1	1	1	1	1	1	2	2
	ø4PPB				1	1	1	1	1	1
	ø6PPB							1	1	1
	PPB NEUTRAL	1	1	1	1	1	1	1	2	2
	PEU							3	3	3
	SPARES	3	3	3	3	3	3	3	6	6
	TOTAL No. 14	19	19	13	16	16	22	34	53	53
DLC	1I1U	1	1						1	1
	2I2L					1	1	1	1	1
	2I3L					1N	1N	1N	1N	1N
	2I4L					1N	1N	1N	1N	1N
	2I4U						1N	1N	1N	1N
	4I6L							1	1	1
	5J1U						1	1	1	1
	6J2L	1							1	1
	6J3U								1N	1N
	6J3L								1N	1N
	6J4U	1N	1N						1N	1N
	6J4L								1N	1N
	8J6L	1	1	1					1	1
	TOTAL DLC'S	4	3	1		3	5	6	13	13
No. 8	LIGHTING (240V)	2	2					2	4	
	SIGNAL NEUTRAL (120V)	1	1	1	1	1	1	1	2	2
	TOTAL No. 8	3	3	1	1	1	1	3	6	6
No. 6										
	CONTROLLER (120V)									1
EXISTING (E)/NEW (N) CONDUIT		E	E	E	E	E	E	E	E	E
CONDUIT SIZE (INCHES)		2 1/2	2 1/2	1 1/2	2	2	2 1/2	3	2–2	3–2

△ EXISTING CONDUIT TO REMAIN

N INSTALL NEW CONDUCTORS IN EXISTING CONDUIT

POLE AND EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	STANDARD SIG M.A.	STANDARD LUM M.A.	VEH SIG MTG MAST ARM	VEH SIG MTG POLE	PED SIGNAL MTG	PPB Ø	PPB ARROW	HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS
A	1–B				TV–2–T	SP–1–T	6	←		
B	19–A	30'	15'	MAS	SV–2–T				700	
C	1–B				TV–2–T	SP–1–T	2	←		
D	1–B				TV–2–T	SP–2–T	2 4	→ ←		
E	1–B				TV–2–T		4	↔		
F	19–A	25'	15'	MAS	SV–2–T	SP–2–T	4 6	→ ←	700	

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Highway 9 Safety Improvement Project
Phase 3
Traffic Signal Modification Plan (Location 1)
Conductor & Pole Equipment Schedule

NO.	BY	DATE	REVISIONS:

DATE 11/23/2011

SCALE NO SCALE

SHEET NO. E–2

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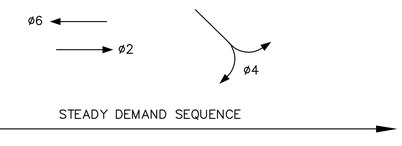
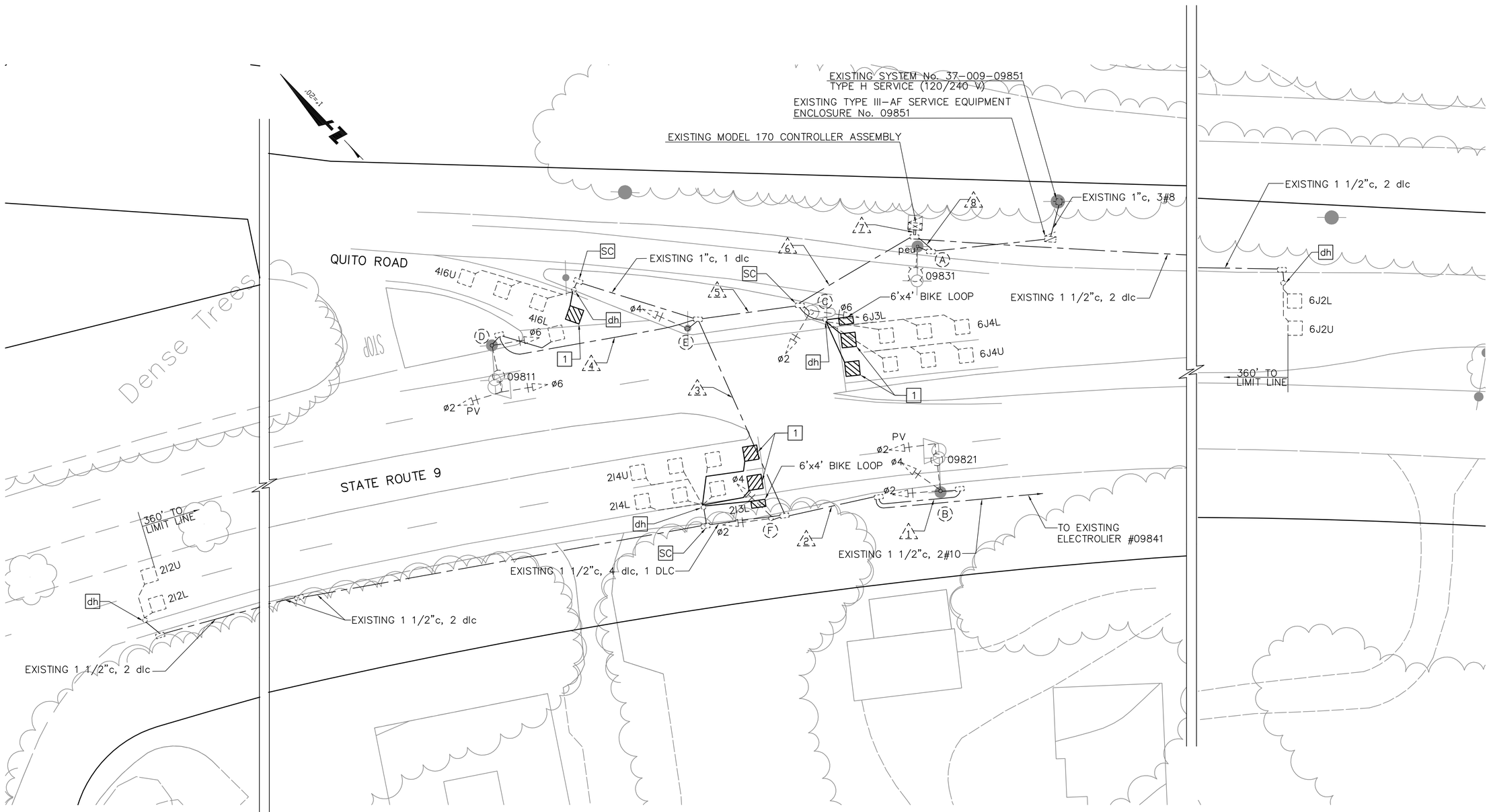
EXISTING TRAFFIC SIGNAL PHASE DIAGRAM





CONSTRUCTION NOTE:

1 ABANDON EXISTING LOOP. INSTALL NEW TYPE D DETECTOR LOOP, AND BICYCLE LOOP DETECTOR SYMBOL PER CALTRANS STANDARD PLAN A24C.

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Highway 9 Safety Improvement Project
Phase 3
Traffic Signal Modification Plan (Location 2)
Quito Road and State Route 9

NO.	BY	DATE	REVISIONS:

DATE 11/23/2011

SCALE 1" = 20'

SHEET NO. E-3

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CONDUCTOR SCHEDULE

AWG	CONDUCTOR DESIGNATION	RUN NUMBER 1	2	3	4	5	6	7	8
No. 14	ø2	3	3	3	3	6	6	6	
	ø4	3	3	3		3	3	3	
	ø6				3	3	3	3	
	SPARES	3	3	3	3	3	3	3	
	TOTAL No. 14	9	9	9	9	15	15	15	
DLC	2I2U			1		1	1	1	
	2I2L			1		1	1	1	
	2I3L			1N		1N	1N	1N	
	2I4U			1		1	1	1	
	2I4L			1		1	1	1	
	4I6U					1	1	1	
	4I6L				1	1	1	1	
	6J2U							1	
	6J2L							1	
	6J3L						1N	1N	
	6J4U						1	1	
	6J4L						1	1	
	TOTAL DLC'S			5	1	7	10	12	
No. 8	SERVICE TO CONTROLLER (120V)							2	2
	SIGNAL NEUTRAL (120V)	1	1	1	1	1	1	1	
	TOTAL No. 8	1	1	1	1	1	1	3	2
No. 10									
	HIGHWAY LIGHTING (240V)	2	2	2	2	2	2	2	2
EXISTING (E)/NEW (N) CONDUIT		E	E	E	E	E	E	E	E
CONDUIT SIZE (INCHES)		2	2	2 1/2	2	3	3	2–3	2

△ EXISTING CONDUIT TO REMAIN

N INSTALL NEW CONDUCTORS IN EXISTING CONDUIT

POLE AND EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	STANDARD SIG M.A.	STANDARD LUM M.A.	VEH SIG MTG MAST ARM	VEH SIG MTG POLE	PED SIGNAL MTG	PPB ø	PPB ARROW	HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS
A	15		15'						200	
B	17–1–70	20'	15'	MAS	SV–1–T (2)				200	
C	1–B				TV–2–T					
D	17–2–80	20'	15'	MAT	SV–1–T				200	
E	1–B				TV–1–T					
F	1–B				TV–2–T					

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Highway 9 Safety Improvement Project
Phase 3
Traffic Signal Modification Plan (Location 2)
Conductor & Pole Equipment Schedule

NO.	BY	DATE	REVISIONS:

DATE 11/23/2011

SCALE NO SCALE

SHEET NO. E–4

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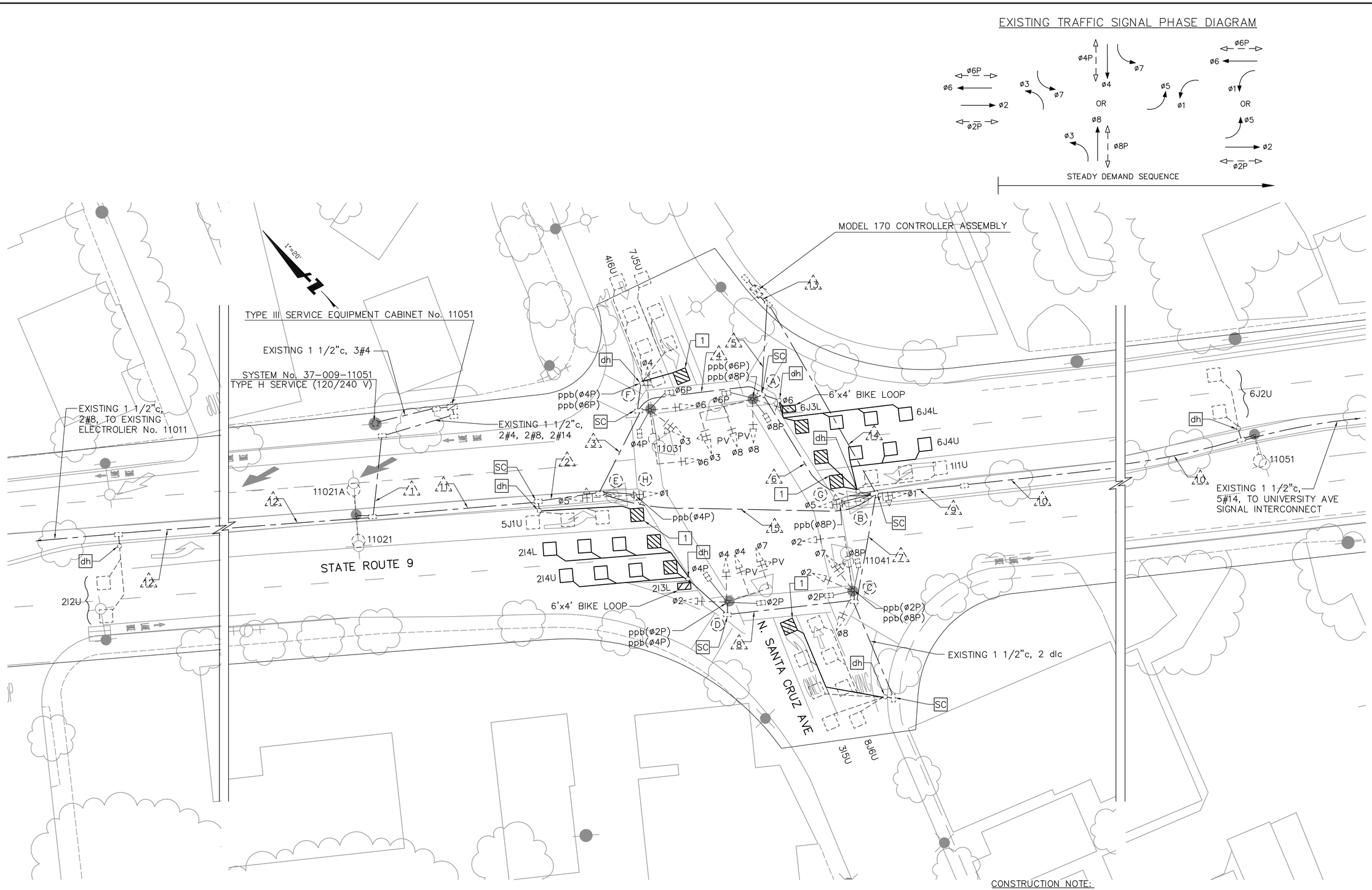

CONSTRUCTION NOTE:

1 ABANDON EXISTING LOOP. INSTALL NEW TYPE D DETECTOR LOOP, AND BICYCLE LOOP DETECTOR SYMBOL PER CALTRANS STANDARD PLAN A24C.

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(408) 467-9100

Highway 9 Safety Improvement Project
Phase 3
Traffic Signal Modification Plan (Location 3)
N. Santa Cruz Ave. and State Route 9

NO.	BY	DATE	REVISIONS:

DATE 11/23/2011

SCALE 1" = 20'

SHEET NO. E-5

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CONDUCTOR SCHEDULE

AWG	CONDUCTOR DESIGNATION	RUN NUMBER 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
No. 14	ø1													3	3	3
	ø2					3	3	3	3					3		
	ø3				3	6								6		
	ø4					3	3	3	3					3		
	ø5													3	3	3
	ø6				3	3								3		
	ø7					3	3	3	3					3		
	ø8					3	3	3						3		
	ø2P					2	2	2	2					2		
	ø4P				2	4	2	2	2					4		
	ø6P				2	2								2		
	ø8P					2	2	2						2		
	ø2 PPB					1	1	1	1					1		
	ø4 PPB			1	1	1	1	1	1					1		
	ø6 PPB				1	1								1		
	ø8 PPB					1	1	1						1		
	PEU	2	2	2												
	SPARES			3	3	3	3	3	3					3	3	3
	INTERCONNECT									5	5			5	5	
	TOTAL No. 14	2	2	6	15	38	24	24	18	5	5			49	14	9
No. 12	PPB NEUTRAL			1	1	1	1	1	1					1		
No. 10	LIGHTING (240V)			2												
	SIGNAL NEUTRAL				1	1										
	TOTAL No. 8			2	1	1										
No. 8	LIGHTING (240V)	2	2					2		2	2	2	2			
	SIGNAL NEUTRAL							1	1					1	1	1
	TOTAL No. 8	2	2					3	1	2	2	2	2	1	1	1
No. 4	SERVICE TO CONTROLLER (120V)	1	1											1	1	1
	NEUTRAL (120V)	1	1											1	1	1
	TOTAL No. 4	2	2											2	2	2
DLC	1I1U													1	1	
	2I2U		1									1	1	1	1	1
	2I3L					1N	1N	1N	1N					1N		
	2I4L					1N	1N	1N	1N					1N		
	2I4U					1N	1N	1N	1N					1N		
	3I5U					1	1	1						1		
	4I6U				1	1								1		
	5J1U		1											1	1	1
	6J2U									1	1			1	1	
	6J3L					1N								1N		
	6J4L					1N								1N		
	6J4U													1N	1N	
	7J5U				1	1	1							1		
	8J6U					1		1						1		
	TOTAL DLC'S		2		2	9	5	5	3	1	1	1	1	14	5	2
EXISTING (E)/NEW (N) CONDUIT		E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
CONDUIT SIZE (INCHES)		1 1/2	2 1/2	1 1/2	2	2	2	2 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	3	2 1/2	2 1/2

△ EXISTING CONDUIT TO REMAIN

N INSTALL NEW CONDUCTORS IN EXISTING CONDUIT

POLE AND EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	STANDARD SIG M.A.	STANDARD LUM M.A.	VEH SIG MTG MAST ARM	VEH SIG MTG POLE	PED SIGNAL MTG	PPB Ø	HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENTS
A	18-3-70	25'	15'	MAS MAS	SV-2-TB	SP-2-T	6 8		
B	1-B		15'		LT-2				
C	17A-1-70			MAT	SV-2-T	SP-2-T	2 8	200	
D	18-3-70	20'	15'	MAS MAS	SV-2-TB	SP-2-T	2 4		
E	1-B				LT-2				
F	17A-1-70			MAT	SV-2-T	SP-2-T	4 6	200	
G	PPB POST						8		
H	PPB POST						4		

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SAN JOSE, CA 95110
(408) 467-9100

Highway 9 Safety Improvement Project
Phase 3
Traffic Signal Modification Plan (Location 3)
Conductor & Pole Equipment Schedule

NO.	BY	DATE	REVISIONS:

DATE 11/23/2011

SCALE NO SCALE

SHEET NO. E-6

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ABBREVIATIONS:

AMEND = AMENDMENT
B & B = BALLED AND BURLAPPED
DIA = DIAMETER
EA = EACH
g = GRAM
kg = KILOGRAM
m = METER
m^2 = SQUARE METER
m^3 = CUBIC METER
ha = HECTARE
MAX = MAXIMUM
MIN = MINIMUM
mm = MILLIMETER
No. = NUMBER
PKT = PACKET(S)
PLT ESB = PLANT ESTABLISHMENT
PVMT = PAVEMENT
R/W = RIGHT OF WAY
SF = STATE FURNISHED
TAB = TABLET(S)
TRVD = TRAVELED
BTM = BROWN TRUNK METERS

PLANT LIST AND PLANTING SPECIFICATIONS

PLANT GROUP	PLANT No.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY EACH	HOLE SIZE (mm) Dia.	HOLE SIZE (mm) DEPTH	BASIN TYPE	IRON SULFATE	SOIL AMEND (m^3)	COMMERCIAL FERTILIZER ① PLANTING	COMMERCIAL FERTILIZER ① PLT ESTB	BASIN MULCH (m^3)	STAKING	PLANTING LIMITS MINIMUM DISTANCE (m) FROM TRVD WAY	Pvmt.	FENCE	WALL	PAVED DITCH	EARTH DITCH	ON CENTER (m)	REMARKS
A	1		BACCHARIS PILULARIS 'PIGEON POINT'	PROSTRATE DWARF COYOTE BRUSH	No. 1	16																	GROUNDCOVER
	2		FESTUCA CALIFORNICA	CALIFORNIA FESCUE	No. 1	95																	GROUNDCOVER
	3		IRIS DOUGLASIANA	DOUGLAS IRIS	No. 1	108																	GROUNDCOVER
B	4	∘	DRYOPTERIS ARGUTA	CALIFORNIA WOOD FERN	No. 5	39																	SHRUB
	5	⊙	ROMNEYA COULTERI	MATILIJA POPPY	No. 5	25																	SHRUB
K	6	⊙	CERCIS OCCIDENTALIS	WESTERN REDBUD	No. 24 BOX	19																	TREE
	7	+	QUERCUS AGRIFOLIA	COAST LIVE OAK	No. 24 BOX	8																	TREE

APPLICABLE WHEN CIRCLED:

① – QUANTITIES SHOWN ARE "PER PLANT" UNLESS SHOWN AS m^2 APPLICATION RATES.
2 – SUFFICIENT TO RECEIVE ROOT BALL.
3 – DOES NOT APPLY TO MULCH AREAS.
④ – AS SHOWN ON PLANS.
5 – UNLESS OTHERWISE SHOWN ON PLANS.
⑥ – SEE DETAIL.
7 – SEE STANDARD DETAIL.
8 – SEE SPECIAL PROVISIONS.
⑨ – TWICE THE ROOTBALL DIAMETER.

LEGEND:

MULCH (AS SHOWN ON PLANS & PER STANDARD SPECIFICATIONS)

NON–IRRIGATED NATIVE GRASS AND WILDFLOWER HYDROSEED MIX:
HERITAGE MIX GRASS SEED @ 40 LBS./ACRE AND
CALIFORNIA NATIVE WILDFLOWER MIX @ 8 LBS./ACRE

AVAILABLE FROM PACIFIC COAST SEED, INC.
WWW.PCSEED.COM
(925)373–4417

NOTE:

UNDERLINED PORTIONS OF BOTANICAL NAME INDICATE ABBREVIATIONS USED ON PLANTING PLANS.

ALL SOIL PREPARATION, HYDROSEED AND PLANTING SHOWN ON PLANS TO BE INSTALLED PER CALTRANS STANDARD SPECIFICATIONS AND DETAILS.

REGISTERED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — SAM GATES — No. 1987 — Registration Date 8/31/2010 — Renewal Date 11/22/2011 — L.A.

GATES & ASSOCIATES
LANDSCAPE ARCHITECTURE
LAND PLANNING URBAN DESIGN
3671 GUDY SANTOS RD. SAN RAMON, CA. 94583
TEL: 925.735.8175 FAX: 925.735.8921
WWW.GATES.COM

BKF ENGINEERS / SURVEYORS / PLANNERS
1650 TECHNOLOGY DRIVE, SUITE 650
SAN JOSE, CA. 95110
(408) 467-9100

Highway 9 Safety Improvement Project Phase 3

NO.	BY	DATE	REVISIONS:

DATE 11/22/2011
SCALE NONE
SHEET NO. PP-1

PLANT LIST

DATE: TIME: DRAWING NAME: SERVER: SERVICE: PLOTTING VIEW: PATH: DESIGNER: PROJ. MGR:
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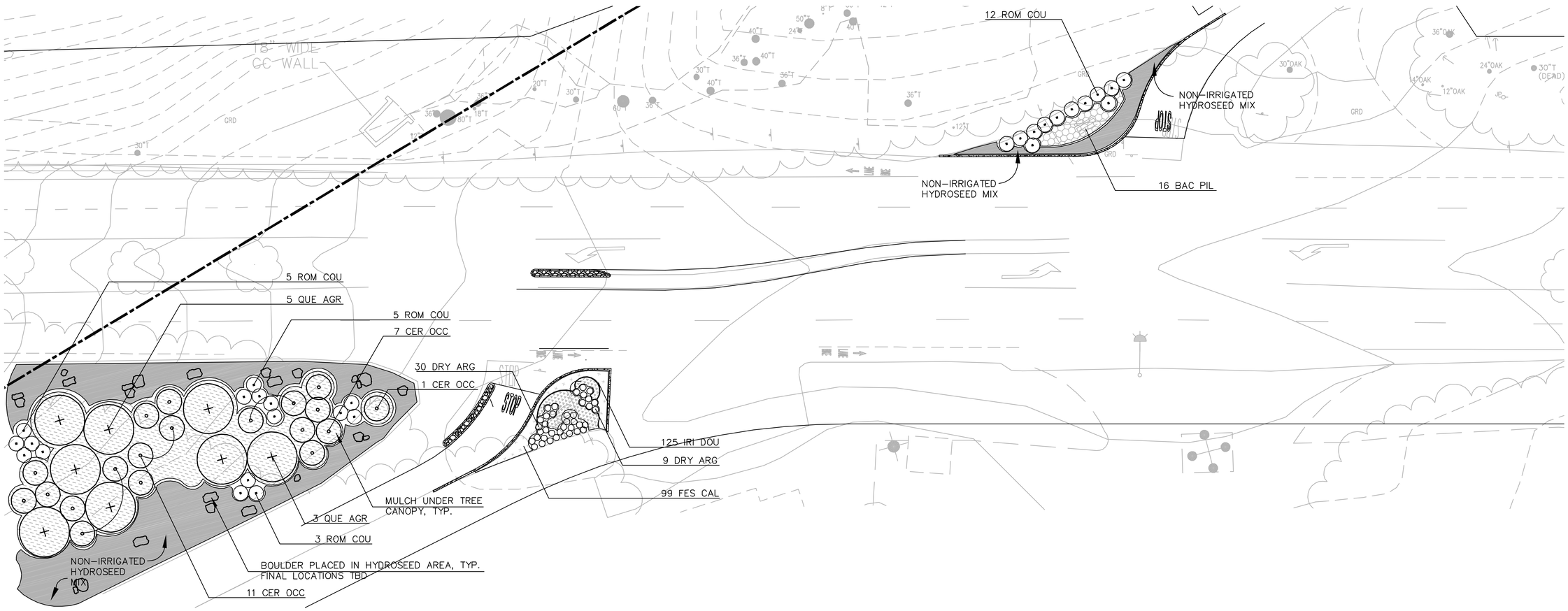

PLANTING PLAN

GATES & ASSOCIATES
LANDSCAPE ARCHITECTURE
LAND PLANNING
1650 OREGON AVENUE, SAN RAMON, CA 94583
TEL 925.735.8176 FAX 925.838.9901
WWW.GATES.COM

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SAN JOSE, CA 95110
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Highway 9 Safety Improvement Project Phase 3

NO.	BY	DATE	REVISIONS:

DATE 11/22/2011

SCALE 1" = 20'-0"

SHEET NO. PP-2

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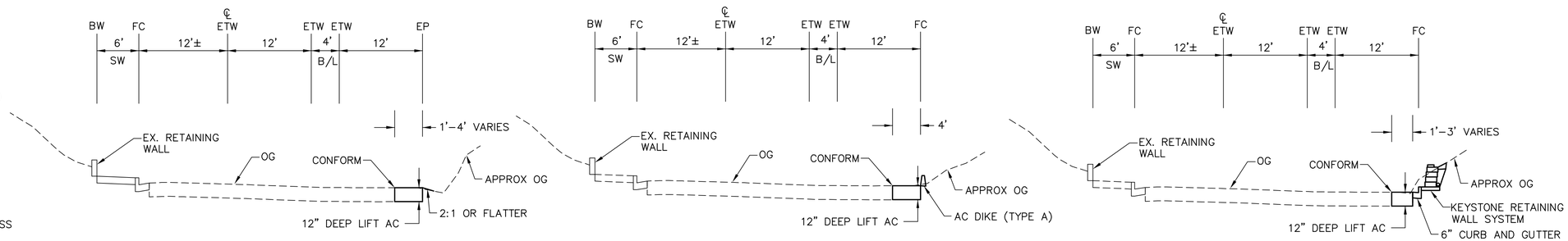
XREFS: P:\Saratoga\Hwy 9 Improvements (P4272)\DG-P-Hwy9.dwg 28 Nov 2011 3:17:51pm Samantha

LEGEND:

- ASPHALT CONCRETE PAVEMENT
- PCC SIDEWALK AND CURB RAMP
- (C1) CURVE NUMBER
- (EP 490.77) CONFORM ELEVATION
- KEYSTONE RETAINING WALL OR APPROVED EQUAL (SEE DETAIL ON SHEET CD-3)



SECTION C-C
NTS

SECTION D-D
NTS

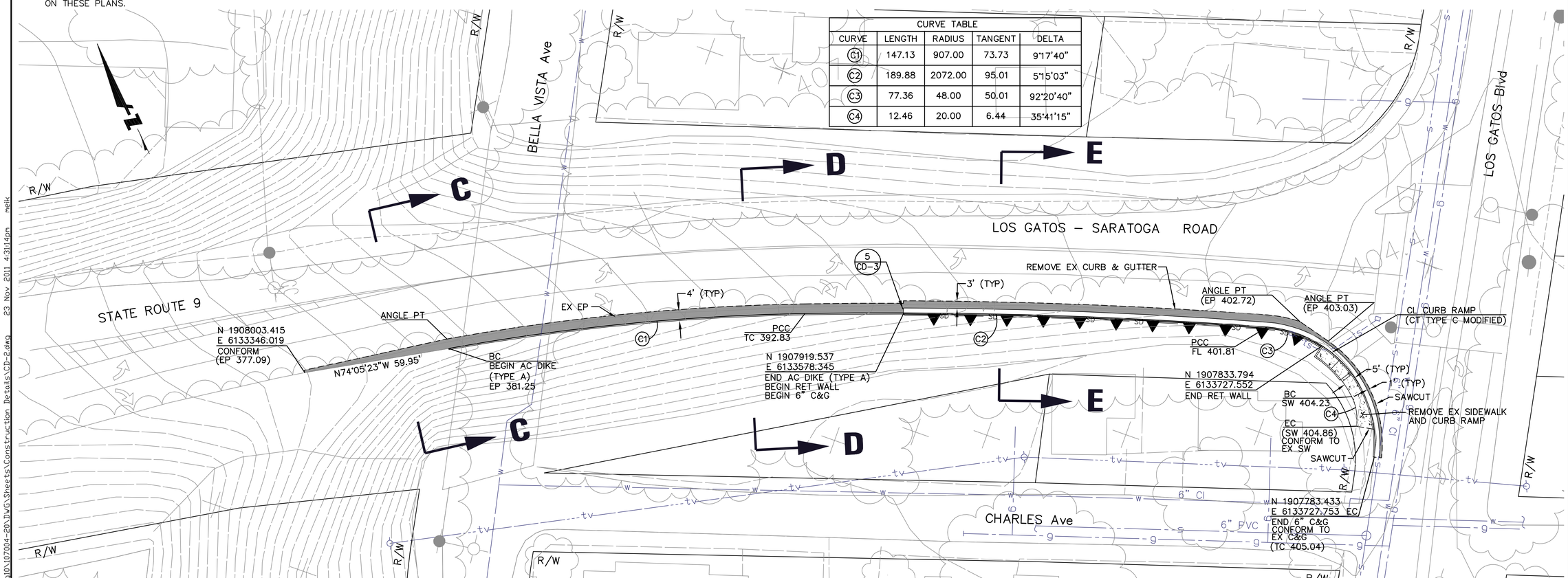
SECTION E-E
NTS

NOTES:

1. LINE/CURVE TABLE INFORMATION REFERS TO FACE OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. FOR ABBREVIATIONS, SEE SHEET T-1.
3. FOR CONCRETE SIDEWALK DETAIL, SEE DETAIL 4 ON SHEET CD-3.
4. FOR 6" CURB AND GUTTER DETAIL, SEE DETAIL 2 ON SHEET CD-3.
5. FOR SIGNING, STRIPING, AND TRAFFIC LOOPS INSTALLATION SEE SIGNING AND STRIPING DETAIL ON SHEET CD-3.
6. INFORMATION REGARDING EXISTING SUBSURFACE IMPROVEMENTS AND UTILITIES SHOWN ON THESE PLANS WAS TAKEN FROM RECORD DATA KNOWN TO THE DESIGN ENGINEER AND IT IS NOT MEANT TO BE A FULL CATALOG OF EXISTING CONDITIONS. CONTRACTOR SHALL CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING SUBSURFACE IMPROVEMENTS AND UTILITIES (WHETHER SHOWN ON THESE PLANS OR NOT) PRIOR TO THE COMMENCEMENT OF WORK. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS IN THE FIELD AND INFORMATION SHOWN ON THESE PLANS.

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	DELTA
C1	147.13	907.00	73.73	9°17'40"
C2	189.88	2072.00	95.01	5°15'03"
C3	77.36	48.00	50.01	92°20'40"
C4	12.46	20.00	6.44	35°41'15"



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(408) 467-9100

Highway 9 Safety Improvement Project Phase 3

Construction Details

NO.	BY	DATE	REVISIONS:

DATE
11/23/2011

SCALE
1" = 20'

SHEET NO.
CD-2

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DATE: ____ TIME: ____
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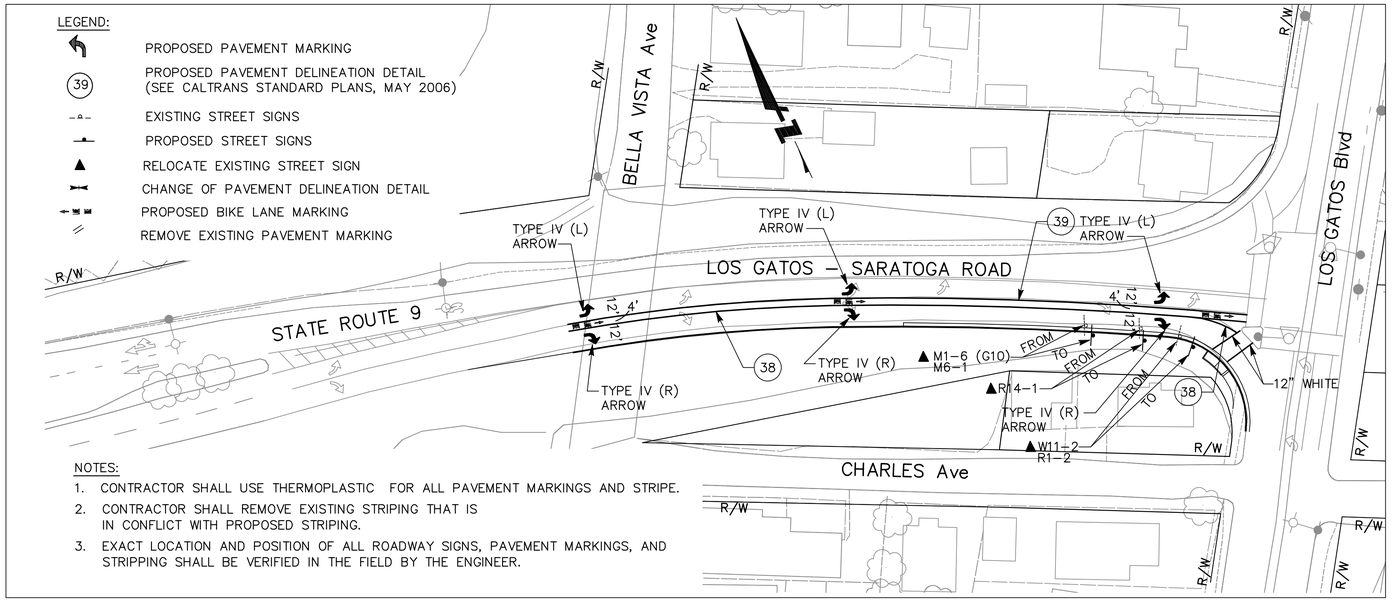
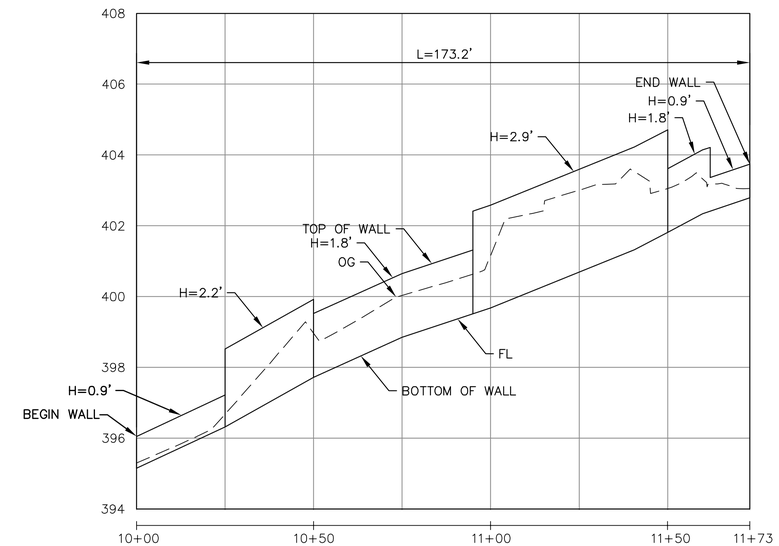


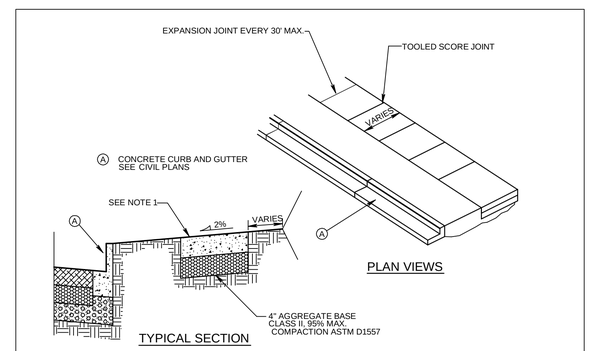
NOTES:

1. CONTRACTOR SHALL USE THERMOPLASTIC FOR ALL PAVEMENT MARKINGS AND STRIPE.
2. CONTRACTOR SHALL REMOVE EXISTING STRIPING THAT IS IN CONFLICT WITH PROPOSED STRIPING.
3. EXACT LOCATION AND POSITION OF ALL ROADWAY SIGNS, PAVEMENT MARKINGS, AND STRIPPING SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER.

SIGNING AND STRIPING DETAIL (1)
SCALE: 1" = 40'



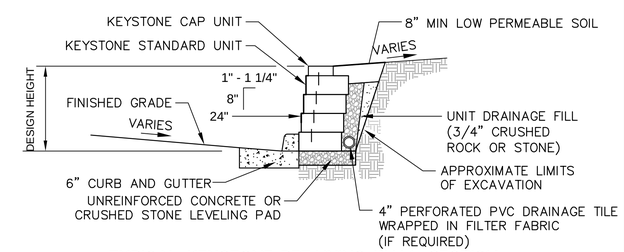
RETAINING WALL PROFILE
SCALE: 1" = 20' HORIZ
1" = 2' VERT



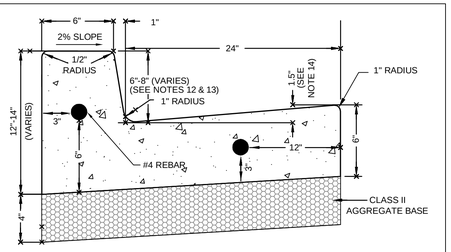
NOTES:

1. SIDEWALKS SHALL BE A MINIMUM OF 4" THICK, AND SHALL BE CLASS A PORTLAND CEMENT CONCRETE, WITH AIR ENTRAINMENT (MIN. 5%, MAX. 6%).
2. FULL EXPANSION JOINTS SHALL BE PLACED TO MATCH THOSE PLACED IN ADJACENT CURB &GUTTER, WITH MAXIMUM SPACING OF 30 FEET.
3. SUBGRADE SHALL HAVE 95% MAXIMUM COMPACTION ASTM D1557.
4. SIDEWALK SHALL BE AT LEAST 6" THICK BEHIND RESIDENTIAL DRIVEWAYS AND BEHIND ROLL-CURB AND 8" THICK BEHIND COMMERCIAL DRIVEWAYS.
5. THE FINISHED SIDEWALK SHALL BE SPRAYED WITH A TRANSPARENT CURING COMPOUND COVERED BY WATERPROOF PAPER OR PLASTIC SHEETING IN THE EVENT OF RAIN OR OTHER INCLEMENT WEATHER. CURING TIME SHALL BE FOR A MINIMUM OF 72 HOURS.
6. ALL JOINTS SHALL BE CLEANED AND EDGED WITH AN EDGER HAVING A 1/4" RADIUS.
7. THE WIDTH OF SIDEWALKS DIRECTLY BEHIND CURB WITHOUT PLANTER SHALL BE A MIN. OF 4.5' FROM BACK OF CURB.

TOWN OF LOS GATOS STD PLAN No. 216
CONCRETE SIDEWALK (4)
NTS



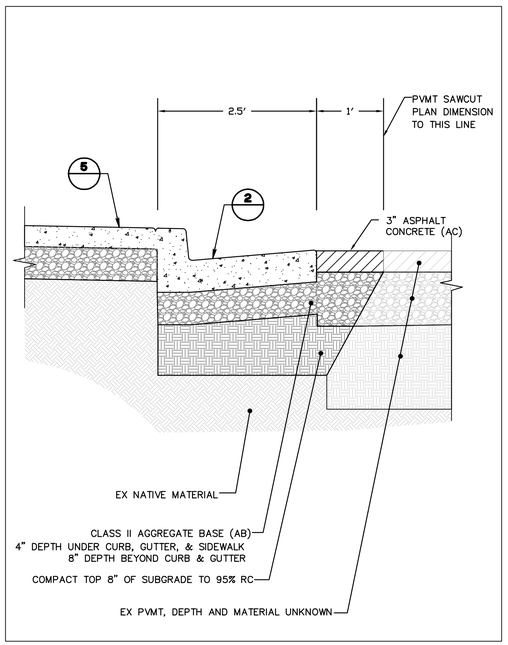
TYPICAL KEYSTONE RETAINING WALL SECTION
NTS
(STANDARD UNIT – 1" SETBACK)



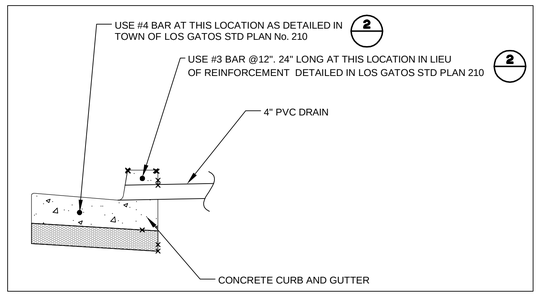
NOTES:

1. ALL RADII LESS THAN 100' SHALL USE FLEXIBLE WOOD OR METAL FORMS TO ELIMINATE ANGULAR POINTS AT 10' SECTION POINTS.
2. 2" WEEP HOLES TO BE PLACED ON EACH SIDE OF DRIVEWAY SECTION & AT MAX. 60' C/C IN CUT SECTIONS WHERE SIDEWALK DRAIN NOT REQUIRED BY TOWN ENGINEER.
3. 3/4" EXPANSION JOINTS TO BE PLACED AT DRIVEWAY SECTIONS, CURB RETURNS, CURB RAMPS & COLD JOINTS OR A MAX. OF 30' C/C. EXPANSION JOINTS SHALL PROTRUDE 1" BELOW THE BOTTOM OF GUTTER.
4. THRU JOINTS SHALL BE PLACED ADJACENT TO CATCH BASINS, INLETS AT POINTS OF TANGENCY ON STREETS, AND AT ALLEY AND DRIVEWAY RETURNS. MAXIMUM SPACING SHALL BE 30' PRE-MOLDED JOINT FILLER, SHALL BE 1/2" WIDE AND CONFORM TO AASHTO DESIGN M213. DUMMY JOINTS SHALL BE PLACED EVERY 10'.
5. PORTLAND CEMENT CONCRETE SHALL BE CLASS A WITH 5 % TO 6% AIR-ENTRAINMENT.
6. FINISHED WORK SHALL NOT VARY MORE THAN 1/8" IN GRADE AND 1/4" IN ALIGNMENT.
7. THE FINISHED CURB SHALL IMMEDIATELY BE SPRAYED WITH A TRANSPARENT CURING COMPOUND. CURB SHALL BE COVERED BY WATERPROOF PAPER OR PLASTIC MEMBRANE IN THE EVENT OF RAIN OR OTHER UNSUITABLE WEATHER. CURING TIME SHALL BE A MINIMUM OF 72 HOURS.
8. EXPOSED SURFACES SHALL BE A LIGHT BROOM FINISH.
9. ALL CURB AND GUTTER SHALL BE PLACED ON A MIN. OF 4" AGGREGATE BASE CLASS II 95% MAX. COMPACTION ASTM D1557.
10. #4 REBAR SHALL BE EXTENDED ALONG LENGTH OF THE CURB AND GUTTER.
11. FOR CONCRETE SIDEWALK DETAILS, SEE ARCHITECTURAL SITE CONSTRUCTION DETAIL SHEETS.
12. UNLESS OTHERWISE NOTED ON THE PLANS, CURB SHALL BE 6" FROM FL TO TC.
13. FOR CURB TRANSITION DETAIL, SEE DETAIL 2 THIS SHEET.
14. GUTTER PAN SLOPE SHALL NOT EXCEED 5% SLOPE AT PEDESTRIAN CURB RAMP ENTRY LOCATIONS. CONTRACTOR SHALL USE 1.2" (MAX) BETWEEN LIP OF GUTTER AND FLOWLINE AT THESE LOCATIONS.

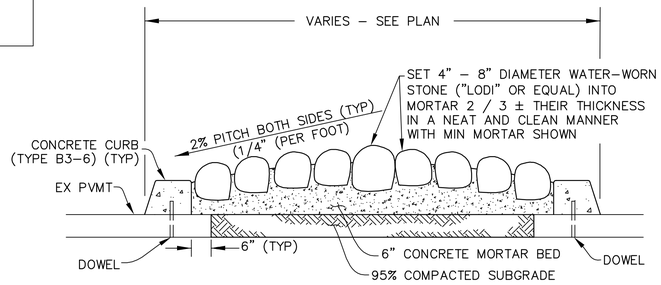
TOWN OF LOS GATOS STD PLAN No. 210
CONCRETE CURB & GUTTER (2)
NTS



AC CONFORM DETAIL (3)
NTS



CONCRETE CURB DRAIN (5)
NTS



COBBLESTONE MEDIAN (6)
NTS

NOTE:

1. AFTER THE COBBLESTONE HAS BEEN SET INTO THE MORTAR THE EXCESSIVE MORTAR IN BETWEEN THE JOINTS OF THE COBBLESTONE SHALL BE CAREFULLY REMOVED AND RAKED IN A SMOOTH JOINT (NO PROTRUSION OF MORTAR WILL BE ALLOWED).
2. SEAL FINAL SURFACE WITH WATER SEALER.

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Highway 9 Safety Improvement Project Phase 3

Construction Details

NO.	BY	DATE	REVISIONS:

DATE
11/23/2011

SCALE
AS SHOWN

SHEET NO.
CD-3

DRAWING NAME: PROJ. MGR.
PLOTTING VIEW: DESIGNER:
TIME: SERVICE:
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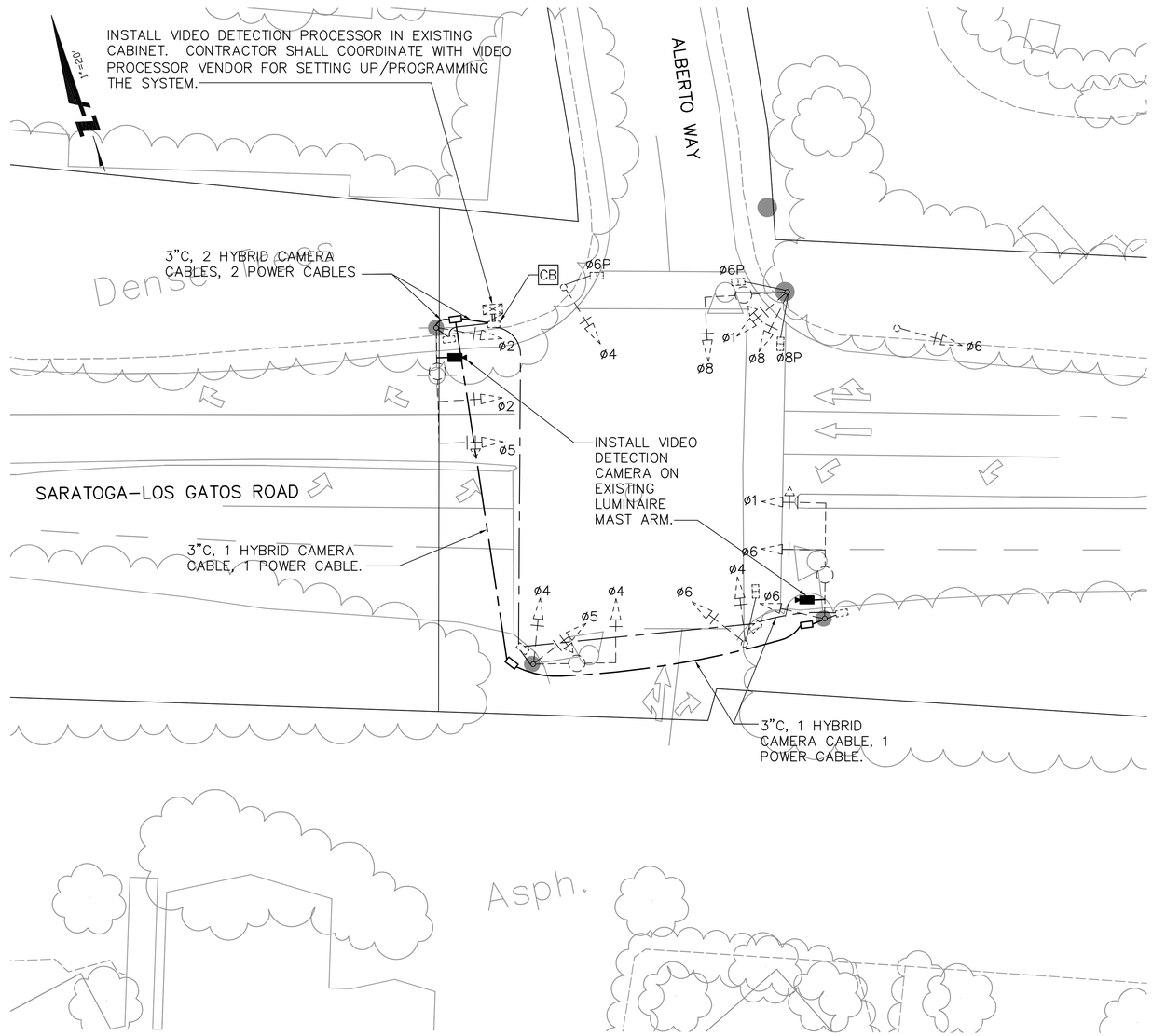

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PATH: DESIGNER: PROJ MGR:

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Highway 9 Safety Improvement Project
Phase 3
Traffic Signal Modification Plan (Location 4) (City)
Alberto Way and Saratoga-Los Gatos Rd

NO.	BY	DATE	REVISIONS:

DATE
11/23/2011

SCALE
1" = 20'

SHEET NO.
E-7

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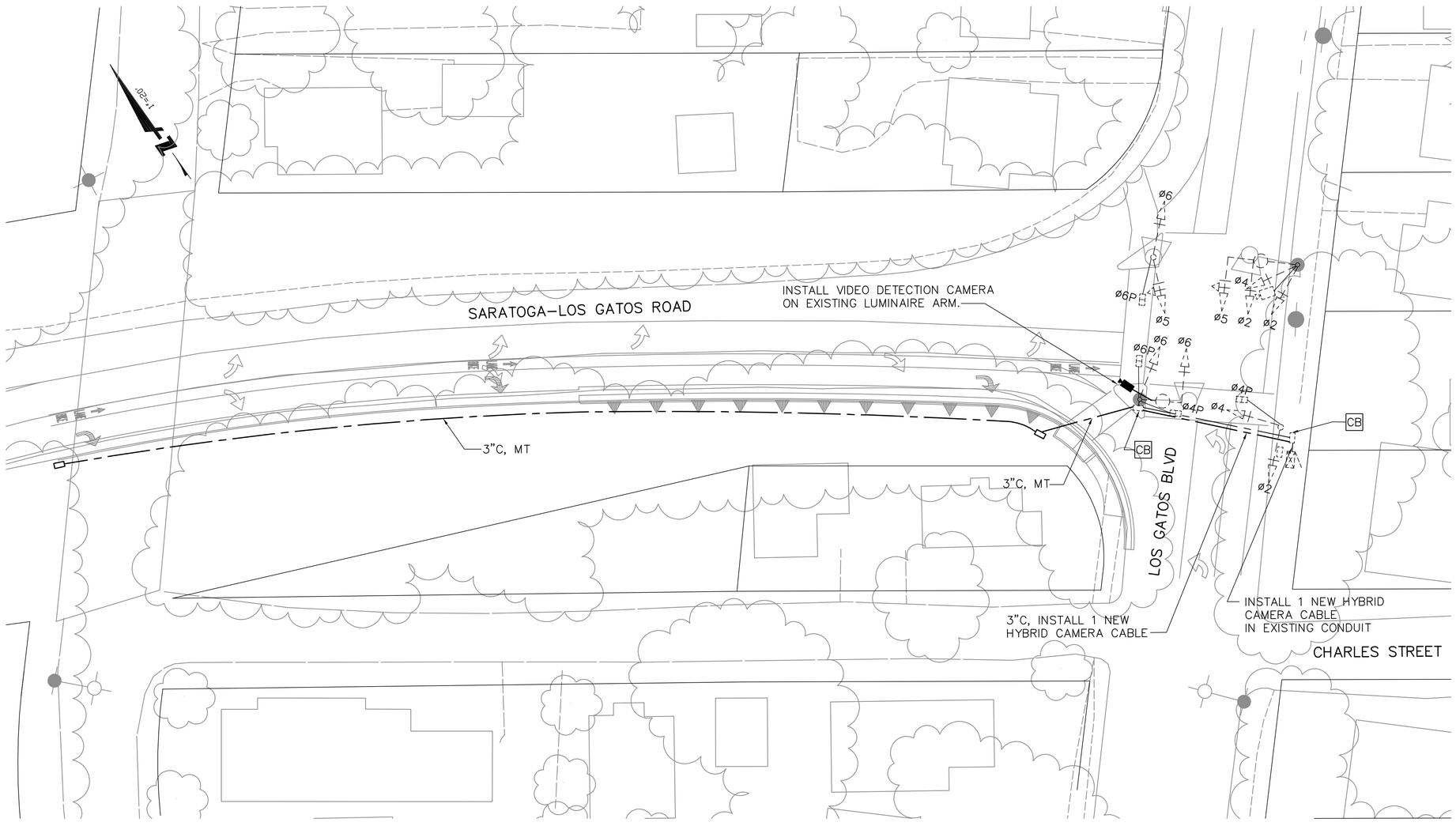

Highway 9 Safety Improvement Project
Phase 3
Traffic Signal Modification Plan (Location 4) (City)
Los Gatos Blvd. and Saratoga-Los Gatos Rd

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1650 TECHNOLOGY DRIVE, SUITE 650
SAN JOSE, CA 95110
(408) 467-9100

NO.	BY	DATE	REVISIONS:

DATE
11/23/2011

SCALE
1" = 20'

SHEET NO.
E-8

N:\PPW\TLG36X24.dwg

DATE: ____ TIME: ____ DRAWING NAME: ____
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