

CITY OF LAFAYETTE

2014 ROAD REHABILITATION PROJECT PROJECT NUMBER 014-9698

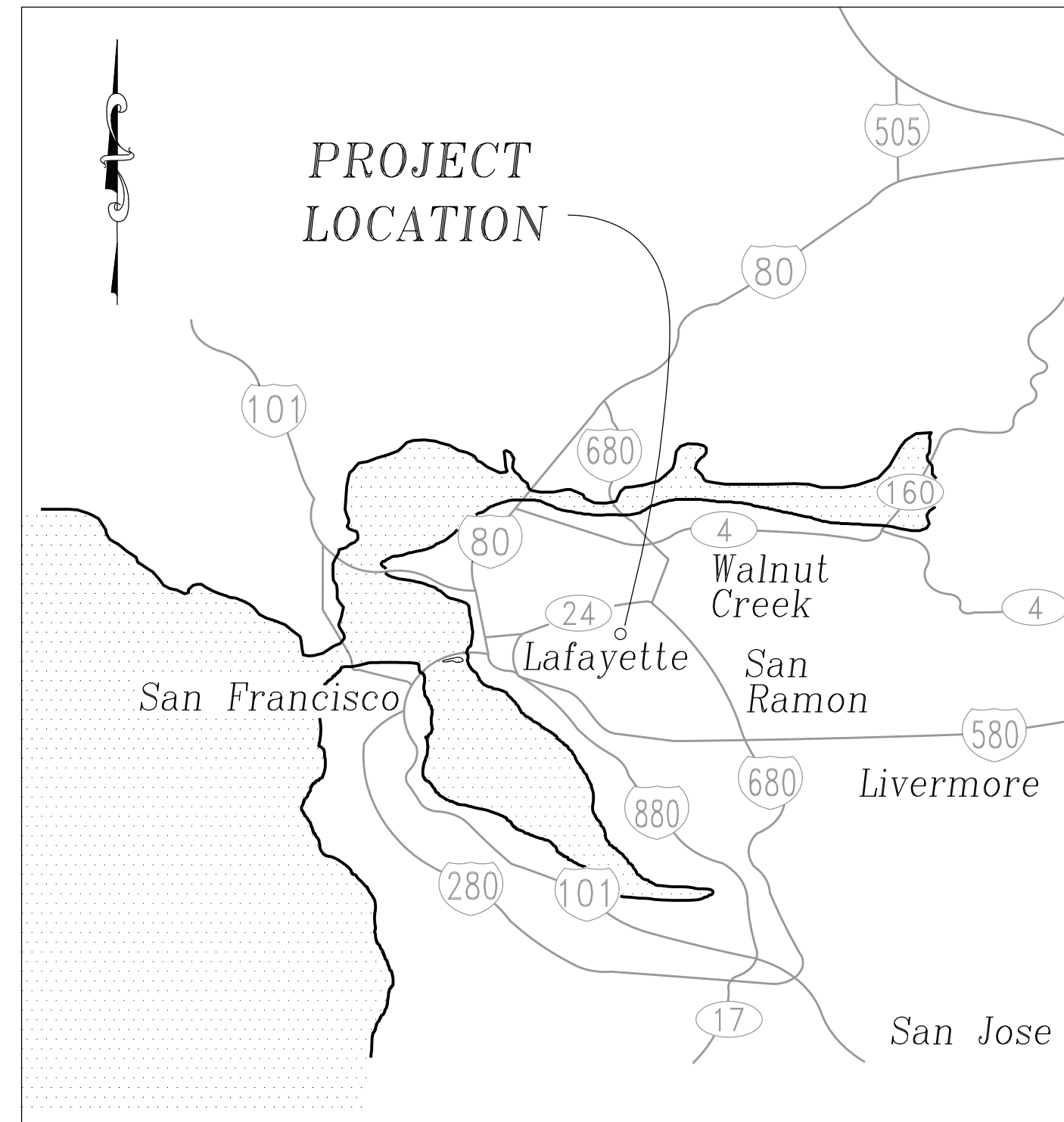
GENERAL NOTES:

- UTILITY INFORMATION AND OBSTRUCTIONS SHOWN ON THE PROJECT PLANS AND PROVIDED IN THE SPECIFICATION ARE ONLY INFORMATIONAL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES WITHIN THE WORK AREA PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) AT (800) 227-2600 A MINIMUM OF TWO WORKING DAYS IN ADVANCE OF ANY EXCAVATION. EXCAVATION SHALL NOT BEGIN UNTIL UNDERGROUND UTILITIES HAVE BEEN LOCATED.
- THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AGENCIES PRIOR TO THE START OF ANY WORK WHICH MAY AFFECT THEIR FACILITIES. THE FOLLOWING UTILITIES AND AGENCIES ARE KNOWN TO HAVE FACILITIES WITHIN THE PROJECT LIMITS:

3. CENTRAL CONTRA COSTA SANITARY DISTRICT	(925) 228-9500
EAST BAY MUNICIPAL UTILITY DISTRICT (WATER)	(510) 287-0834
EAST BAY MUNICIPAL UTILITY DISTRICT (LEAKS)	(866) 403-2683
AT&T (TELEPHONE)	(415) 542-9000
PACIFIC GAS AND ELECTRIC (EMERGENCY)	(800) 743-5000
PACIFIC GAS AND ELECTRIC (GAS)	(510) 784-3211
PACIFIC GAS AND ELECTRIC (ELECTRIC)	(510) 784-3236
CONSOLIDATED FIRE PROTECTION DISTRICT	(925) 930-5531
COMCAST (CABLE TELEVISION)	(925) 349-3300
- THE CONTRACTOR SHALL INSPECT THE PROJECT SITE PRIOR TO SUBMITTING A BID IN ORDER TO OBSERVE AND DETERMINE THE EXISTING SITE CONDITIONS.
- TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY. ALL TRAFFIC CONTROL AND DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES" USED BY THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION.
- THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. THESE PLANS DO NOT INCLUDE COMPONENTS NECESSARY FOR CONSTRUCTION SAFETY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE FOR THE SAFETY OF ALL PERSONS AND PROPERTY DURING THE COURSE OF THE PROJECT.
- THE CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF CAL/OSHA. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL PROVIDE FOR CONTINUOUS INGRESS AND EGRESS TO ALL PUBLIC AND PRIVATE PROPERTIES ADJACENT TO THE WORK THROUGHOUT THE PERIOD OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE SITE OR THE SURROUNDING AREA AS A RESULT OF THE CONTRACTOR'S WORK OR OPERATIONS. EXISTING CURB, GUTTER AND ANY OTHER IMPROVEMENTS THAT ARE DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL LOCATE, REFERENCE, AND SET SUFFICIENT MARKS FOR ALL CITY OWNED AND NON-CITY OWNED EXISTING MANHOLE COVERS, VALVE COVERS, SURVEY MONUMENTS, IRON PIPES, RAILROAD SPIKES, PRIOR TO STARTING ANY WORK IN THE PAVING AREA WITHIN THE PROJECT LIMITS.
- THE FINAL ADJUSTMENT TO FINISHED GRADE OF ALL MANHOLES, VALVE COVERS AND SURVEY MONUMENTS SHALL BE MADE FOLLOWING PLACEMENT OF THE ASPHALT CONCRETE FINAL LIFT
- THE LOCATION OF CURB AND GUTTER REMOVAL AND CONSTRUCTION SHALL BE MARKED IN THE FIELD BY THE ENGINEER PRIOR TO THE START OF WORK.
- UNLESS DRIVEWAY, SIDEWALK OR OTHER CONFORM WORK IS SHOWN, CONTRACTOR SHALL PROTECT ADJACENT DRIVEWAY, SIDEWALK OR OTHER IMPROVEMENTS IN PLACE WHEN DOING REMOVAL AND REPLACEMENT.

ABBREVIATIONS:

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
ADJ	ADJUST
BC	BEGIN CURVE
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK
CL	CENTER LINE
CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
(D),DES	DESIGN
D/W,DWY	DRIVEWAY
DI	DRAIN INLET
EC	END CURVE
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
(E),EXIST	EXISTING
F/C,FC	FACE OF CURB
FG	FINISH GRADE
FL	FLOWLINE
G	GAS
GB	GRADE BREAK
GR	STORM DRAIN INLET GRATE
(H),HORIZ	HORIZONTAL
INV	INVERT
IP	IRON PIPE
IRR	IRRIGATION
JP	JOINT POLE
LF	LINEAR FEET
LIP	LIP OF GUTTER
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT
MSA	MAXIMUM SIZED AGGREGATE
OSA	OPEN GRADED ASPHALT
OH	OVERHEAD
PCC	POINT OF COMPOUND CURVE
PVC	POINT OF CURVATURE VERTICAL CURVE
PVI	POINT OF INTERSECTION VERTICAL CURVE
PRC	POINT OF REVERSE CURVE
PVCP	POLYVINYLCHLORIDE PIPE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RT	RIGHT
S	SLOPE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STA	STATION
STD	STANDARD
STDS	STANDARDS
TYP	TYPICAL
T/C, TC	TOP OF CURB
(V), VERT	VERTICAL
VCP	VITRIFIED CLAY PIPE
W	WATER
WM	WATER METER
WV	WATER VALVE



VICINITY MAP
NTS

APPLICABLE STANDARD PLANS

INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

CALTRANS STANDARD PLANS (DATED 2010)

A20 A,B,C,D	PAVEMENT MARKERS AND TRAFFIC LINES, TYPICAL DETAILS
A24 A,D	PAVEMENT MARKINGS, ARROWS, SYMBOLS, NUMERALS, WORDS AND CROSSWALKS
ES-7A	ELECTRICAL SYSTEMS (SIGNAL & LIGHTING STANDARD, TYPE TS, AND PEDESTRIAN PUSH BUTTON POST)

CONTRA COSTA COUNTY STANDARD DETAILS (LATEST EDITION)

CA40i	STREET SURVEY MONUMENT
CA71i	MEDIAN, CURB AND AC DIKE DETAILS
CA73i	CONCRETE VALLEY GUTTER AND CONCRETE LINED DITCH DETAILS
CA74i	DOWELING DETAILS FOR CURB AND SIDEWALK
CA90i	MAILBOX DETAILS
CD11i	INLET FRAME AND GRATE
CD20i	TYPE 'A' INLET
CD21i	TYPE 'B' INLET

EAST BAY MUNICIPAL UTILITY DISTRICT

G5	VALVE BOX WITH CAST IRON TRAFFIC LID
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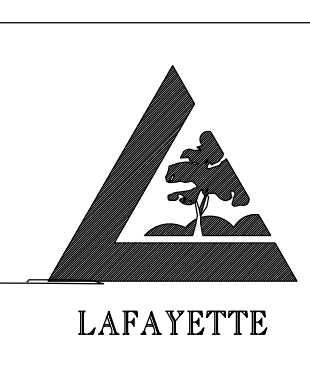
SHEET INDEX:

NO.	DESCRIPTION
1	TITLE SHEET
2-3	LOCATION MAP AND CONSTRUCTION AREA SIGNS
4-7	CONSTRUCTION DETAILS
8-10	TYPICAL SECTIONS
11-14	BLACK HAWK ROAD PLAN AND PROFILE
15-16	EAGLE POINT ROAD PLAN AND PROFILE
17	BLACK HAWK COURT PLAN AND PROFILE
18	MEADOWLARK COURT PLAN AND PROFILE
19	CANDY COURT PLAN AND PROFILE
20	QUANDT COURT PLAN AND PROFILE
21	ACALANES ROAD PLAN
22-24	SANDALWOOD COURT PLAN AND PROFILE
25-27	SWEETBRIER CIRCLE PLAN AND PROFILE
28-29	SOMERSET DRIVE PLAN AND PROFILE
30-32	RELIEZ STATION ROAD PLAN
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48-53	SANDALWOOD COURT CROSS SECTIONS
54-59	SWEETBRIER CIRCLE CROSS SECTIONS
60-63	SOMERSET DRIVE CROSS SECTIONS
64-67	RELIEZ STATION ROAD CROSS SECTIONS (MAYBE)

DATE	MARK	REVISION	INIT.

Designed by:	JML
Drawn by:	JML
Checked by:	MJM
Reviewed by:	FKS
Date:	4-10-14

SIGN: DATE: 4-10-14



3675 Mount Diablo Boulevard, Suite 210
Lafayette, California, 94549-1968
(925) 299-3217 Fax (925)284-3169
www.ci.lafayette.ca.us

REVIEWED BY:
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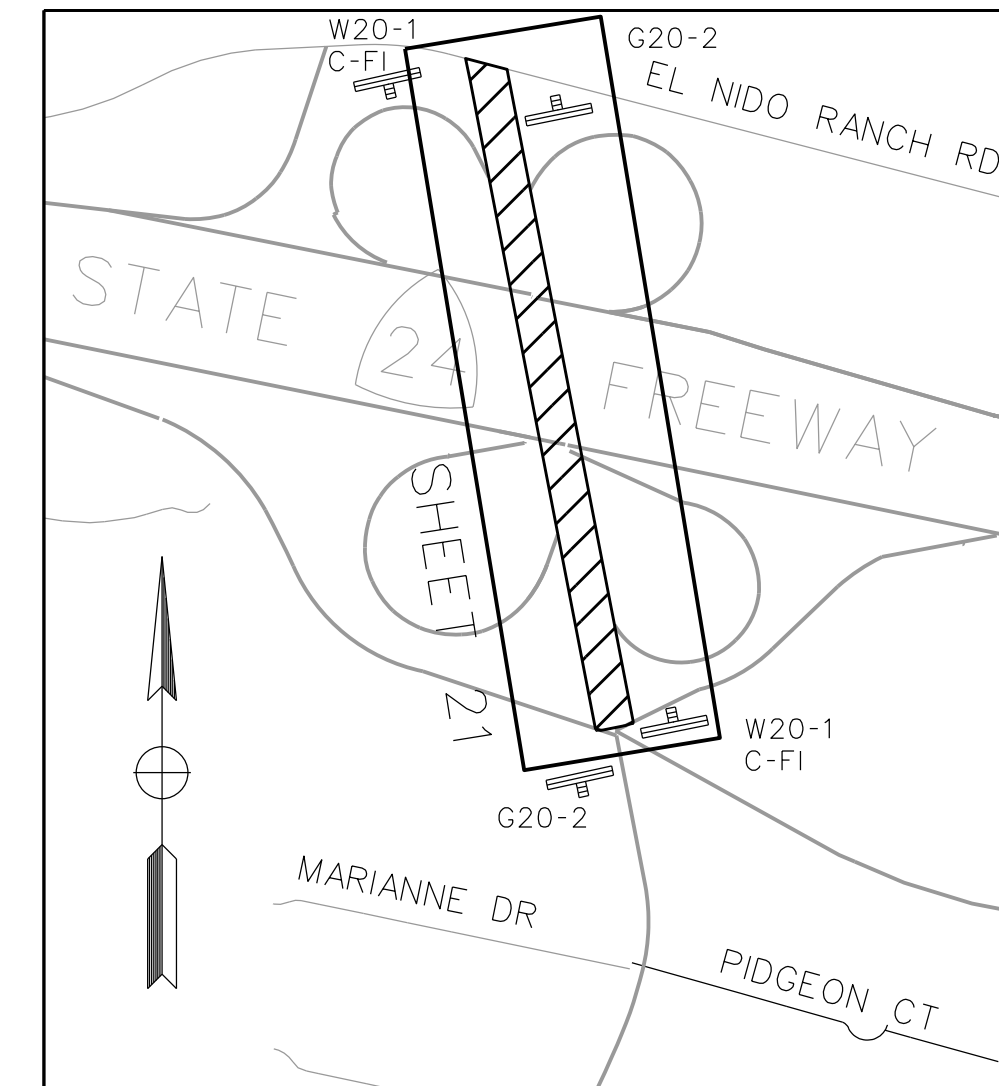
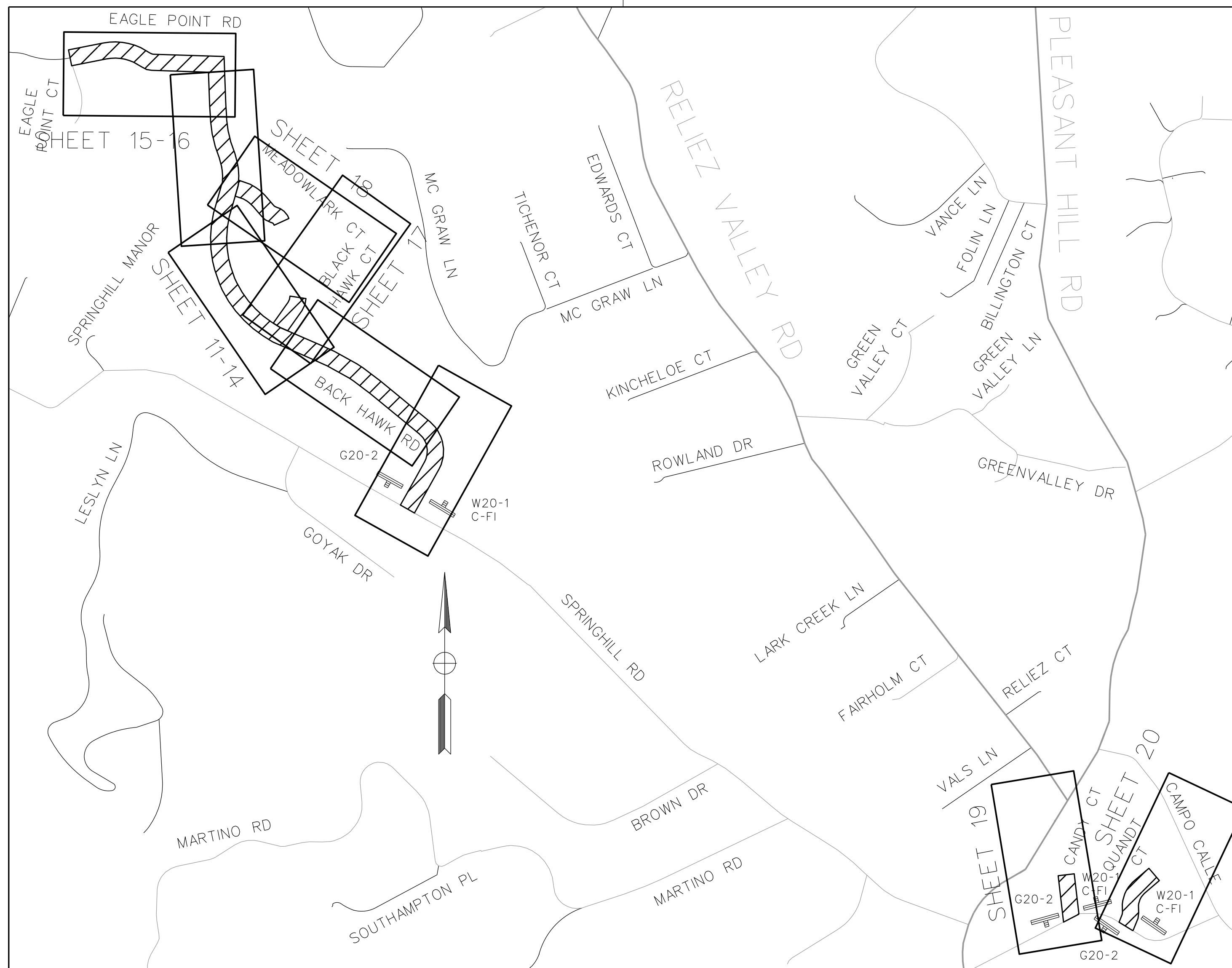
Tony Coe, Engineering Services Manager
4-10-14
Date

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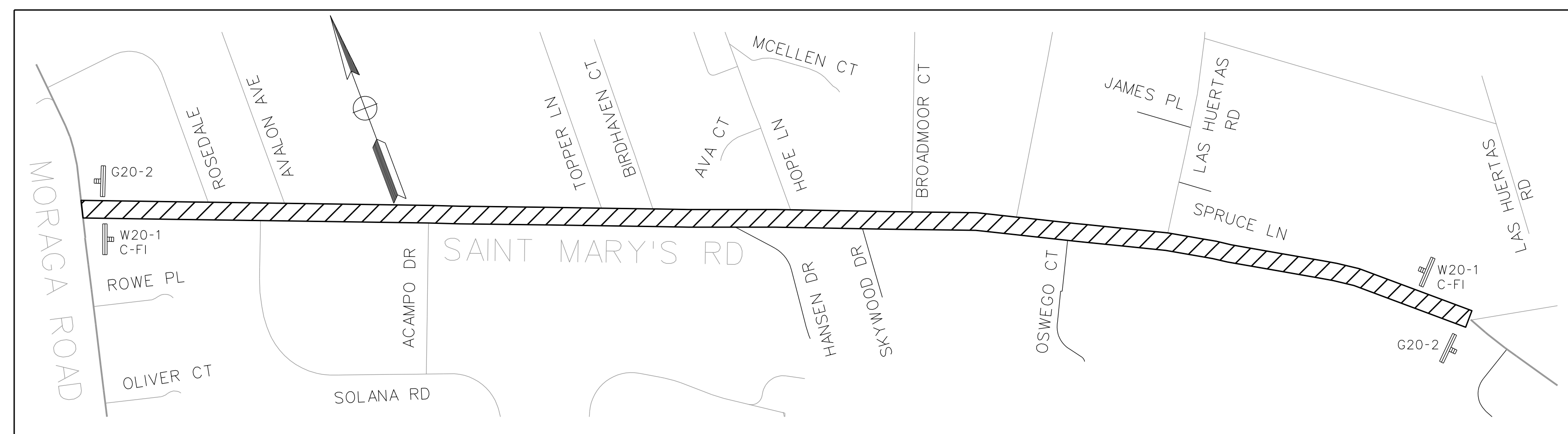
2014 ROAD REHABILITATION PROJECT
CONTRA COSTA COUNTY CALIFORNIA

TITLE SHEET AND
CONSTRUCTION AREA SIGNS

SCALE: NTS SHEET 1 of 67



EXISTING PAVEMENT AND CORE DATA		
STREET	STA	EXISTING PAVEMENT SECTION
BLACK HAWK ROAD	STA 1+25	0.16' AC OVER 0.40' AB OVER SANDY LEAN CLAY
BLACK HAWK ROAD	STA 8+25	0.13' AC OVER 0.50' AB OVER CLAYEY SAND
BLACK HAWK ROAD	STA 16+75	0.17' AC OVER 0.46' AB OVER SILTY CLAYEY SAND
BLACK HAWK ROAD	STA 21+35	0.13' AC OVER 0.48' AB OVER SANDY LEAN CLAY
EAGLE POINT ROAD	STA 23+80	0.15' AC OVER 0.44' AB OVER CLAYEY SAND
BLACK HAWK COURT	STA 2+25	0.22' AC OVER 0.38' AB OVER LEAN CLAY WITH SAND
MEADOWLARK COURT	STA 100+50	0.14' AC OVER 0.50' AB OVER LEAN CLAY WITH SAND
MEADOWLARK COURT	STA 102+50	0.18' AC OVER 0.42' AB OVER LEAN CLAY WITH SAND
CANDY COURT	STA 11+25	0.13' AC OVER 0.50' AB OVER CLAYEY SAND
QUANDT COURT	STA 20+90	0.21' AC OVER 0.46' AB OVER CLAYEY SAND
QUANDT COURT	STA 22+40	0.20' AC OVER 0.54' AB SANDY LEAN CLAY



(2,800 SF) 6-INCH PAVEMENT REPAIR AS MARKED IN THE FIELD BY ENGINEER

SEE DETAIL 1
5

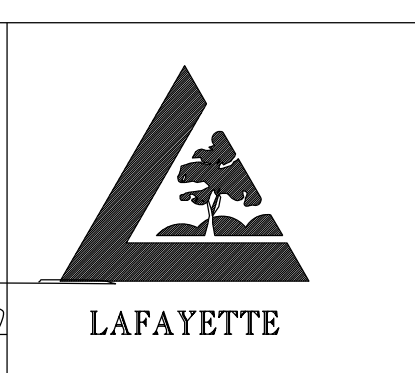
CONSTRUCTION AREA SIGNS:

SYMBOL	DESCRIPTION	SIZE	QUANTITY
G 20-2	"END ROAD WORK"	42"X18"	5
W 20-1	"ROAD WORK AHEAD"	36"X36"	5
C-FI	PROJECT IDENTIFICATION AND FUNDING SIGN	48"X36"	5

DATE	MARK	REVISION	INIT.

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 Checked by: MJM
 Reviewed by: FKS
 Date: 4-10-14

SIGN:
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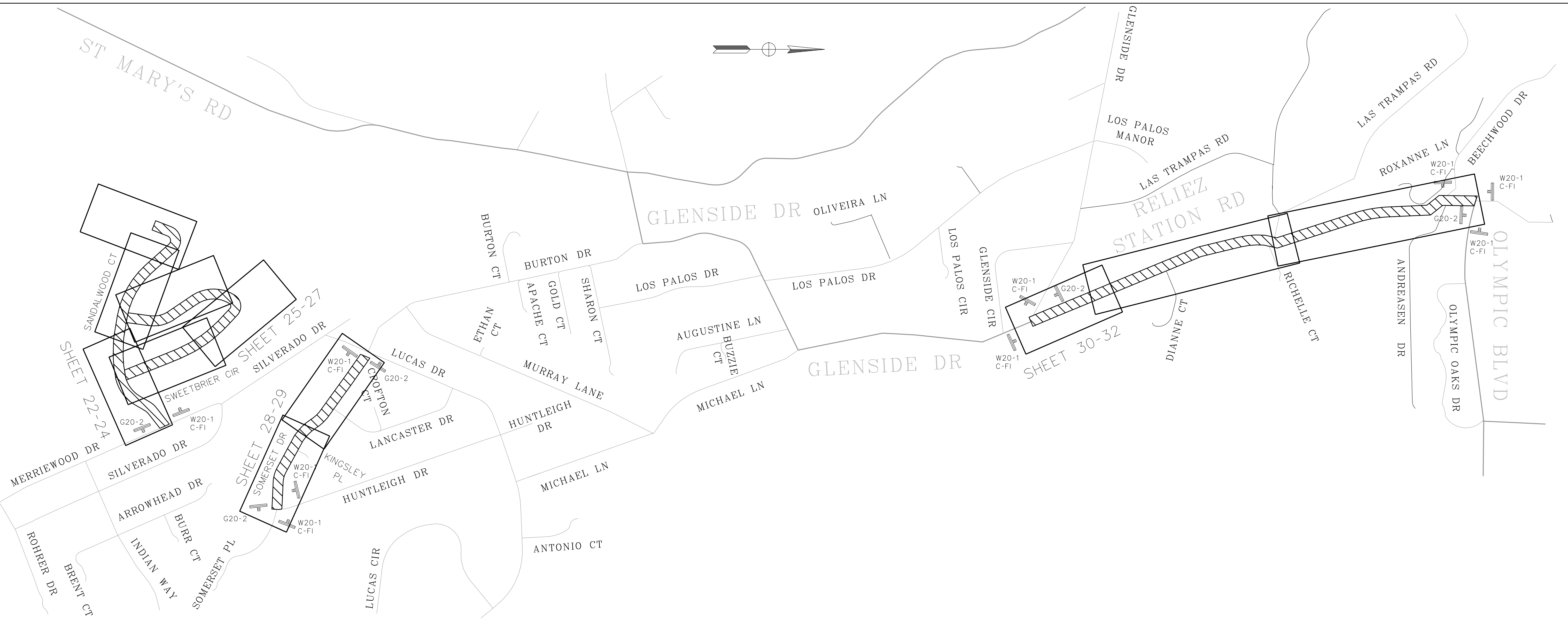
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 (925) 299-3217 Fax (925)284-3169
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 CITY OF LAFAYETTE

 Tony Coe, Engineering Services Manager
 Date: 4-10-14

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 PROJECT NO. 014-9698
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 CONTRA COSTA COUNTY CALIFORNIA

LOCATION MAP AND
 CONSTRUCTION AREA SIGNS
 SCALE: NTS
 SHEET 2 of 67



EXISTING PAVEMENT AND CORE DATA		
STREET	STA	EXISTING PAVEMENT SECTION
SANDALWOOD COURT	STA 2+50	0.13' AC OVER 0.53' AB OVER SANDY SILTY CLAY
SANDALWOOD COURT	STA 10+30	0.16' AC OVER 0.36' AB OVER SANDY LEAN CLAY
SANDALWOOD COURT	STA 15+15	0.19' AC OVER 0.42' AB OVER SANDY LEAN CLAY
SWEETBRIER CIRCLE	STA 102+10	0.19' AC OVER 0.44' AB OVER LEAN CLAY WITH SAND
SWEETBRIER CIRCLE	STA 107+20	0.10' AC OVER 0.53' AB OVER SANDY LEAN CLAY
SWEETBRIER CIRCLE	STA 113+50	0.15' AC OVER 0.36' AB OVER SANDY LEAN CLAY
SOMERSET DRIVE	STA 11+90	0.13' AC OVER 0.38' AB OVER SANDY LEAN CLAY
SOMERSET DRIVE	STA 19+75	0.15' AC OVER 0.44' AB OVER SANDY SILT
RELIEZ STATION ROAD	STA 15+80	0.63' AC OVER 0.33' AB
RELIEZ STATION ROAD	STA 27+40	0.63' AC OVER 0.33' AB
RELIEZ STATION ROAD	STA 35+60	0.63' AC OVER 0.33' AB

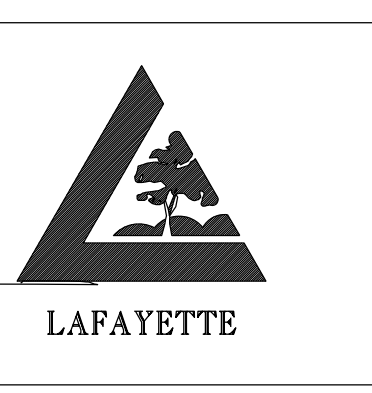
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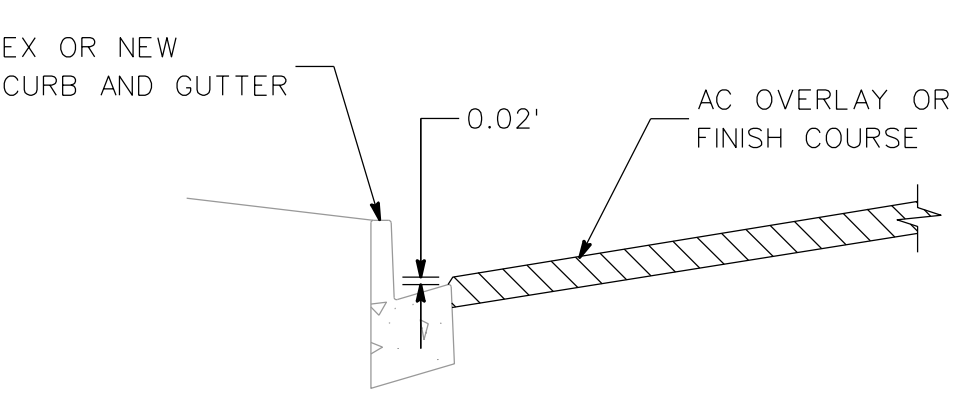
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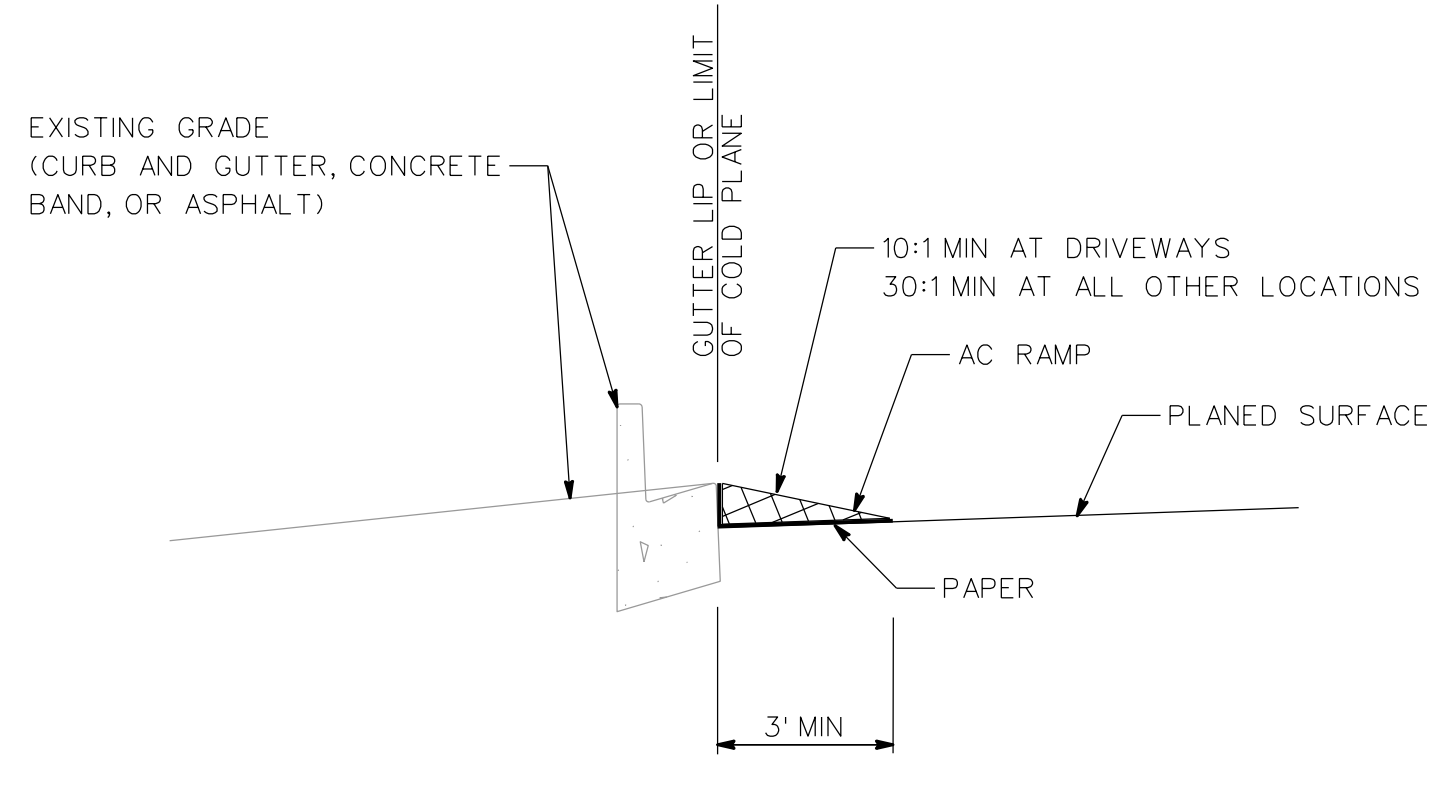
 Tony Joe, Engineering Services Manager
 Date: 4-10-14

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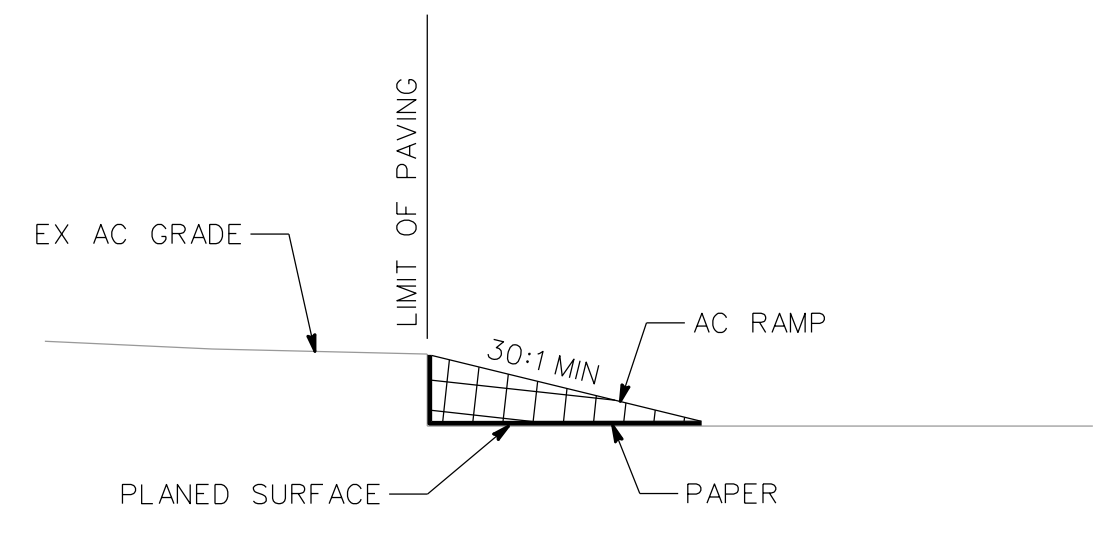
LOCATION MAP AND
 CONSTRUCTION AREA SIGNS
 SCALE: NTS
 SHEET 3 of 67



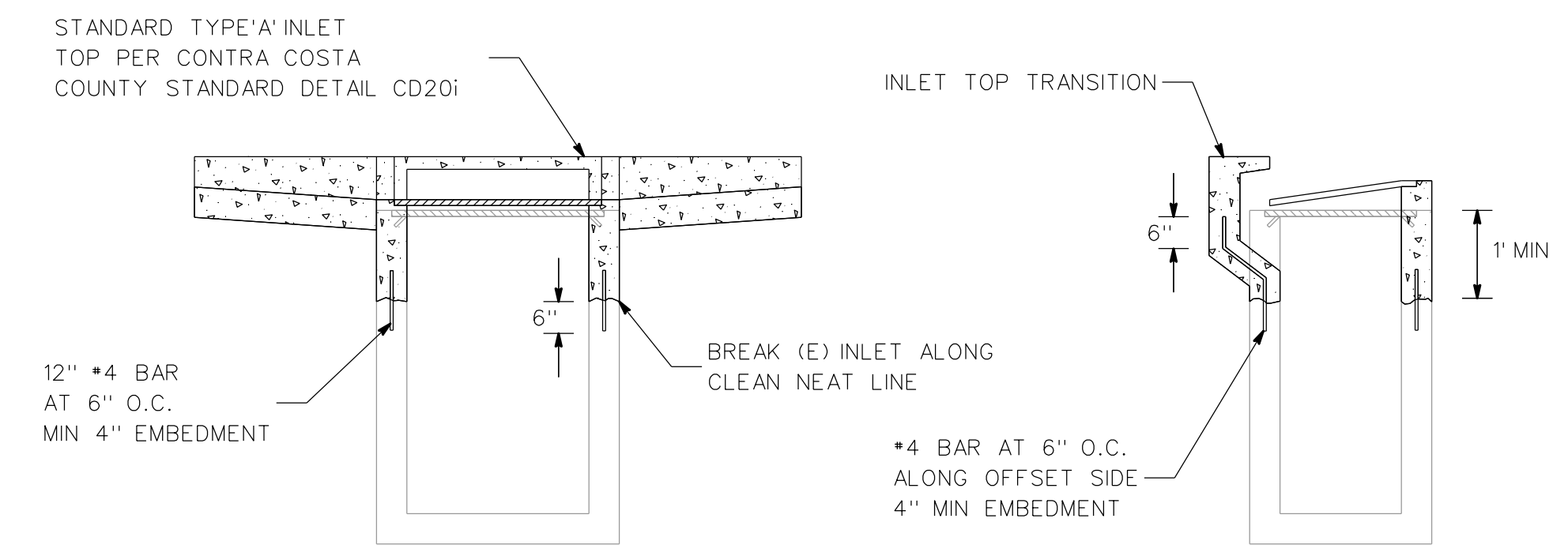
1
4 ASPHALT CONCRETE PAVING AT GUTTER LIP



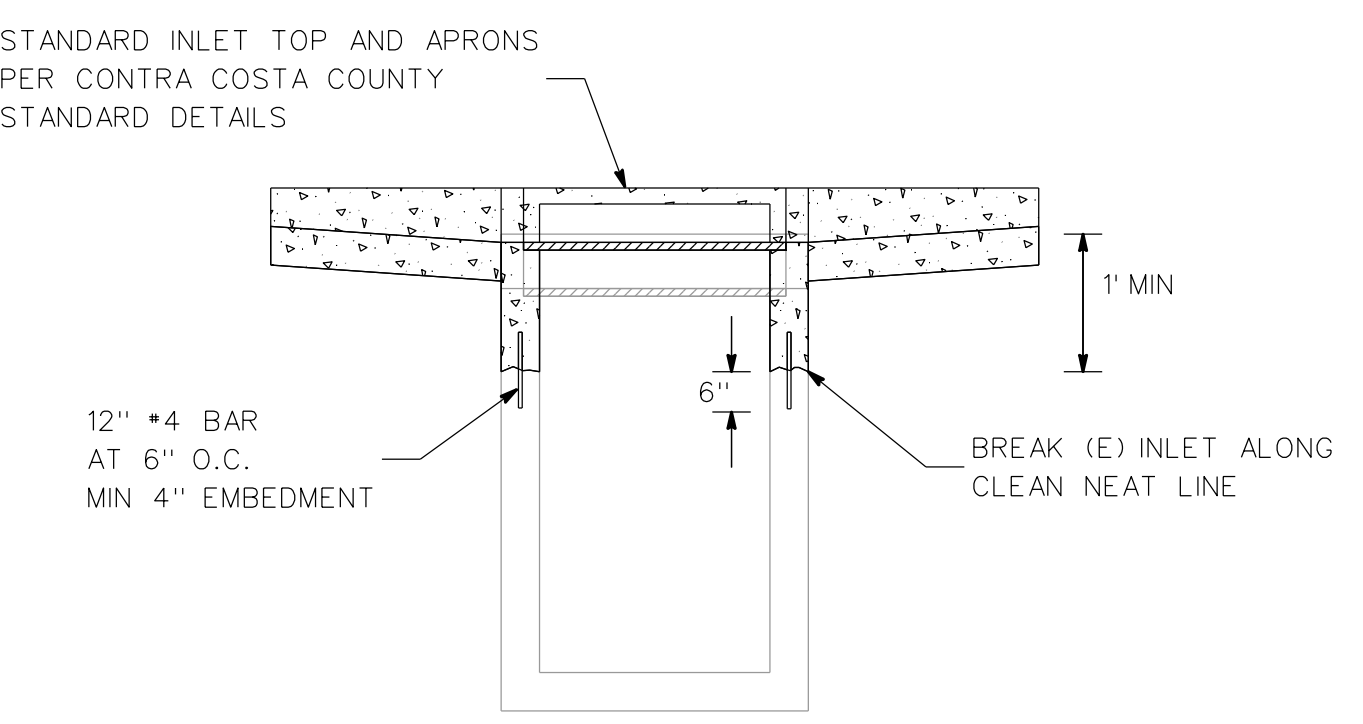
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4 TEMPORARY ASPHALT CONCRETE RAMP AT DRIVEWAYS, CROSSWALKS, VALLEY GUTTER AND SIDE STREET CONFORMS



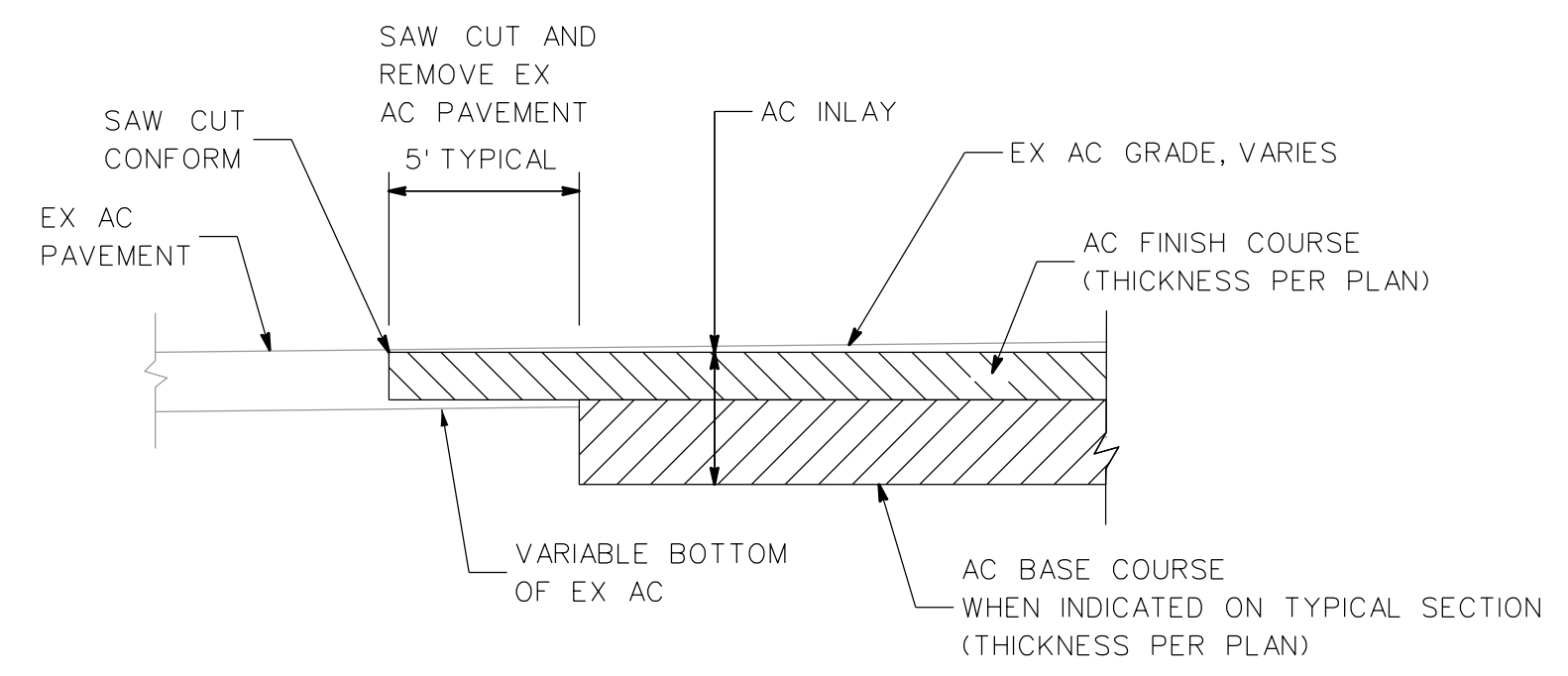
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4 TEMPORARY ASPHALT CONCRETE RAMP AT TRANSVERSE CONFORMS



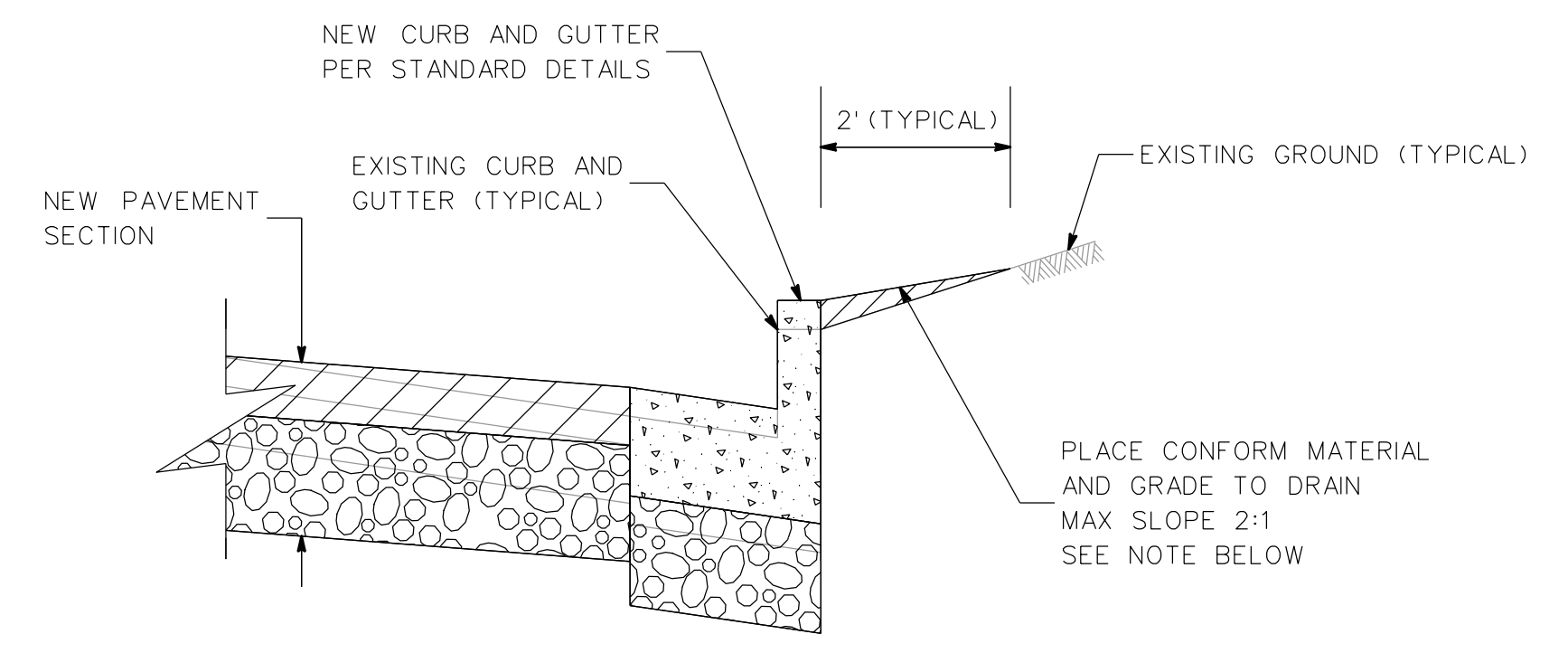
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4 CONVERT EXISTING INLET TO TYPE "A" INLET



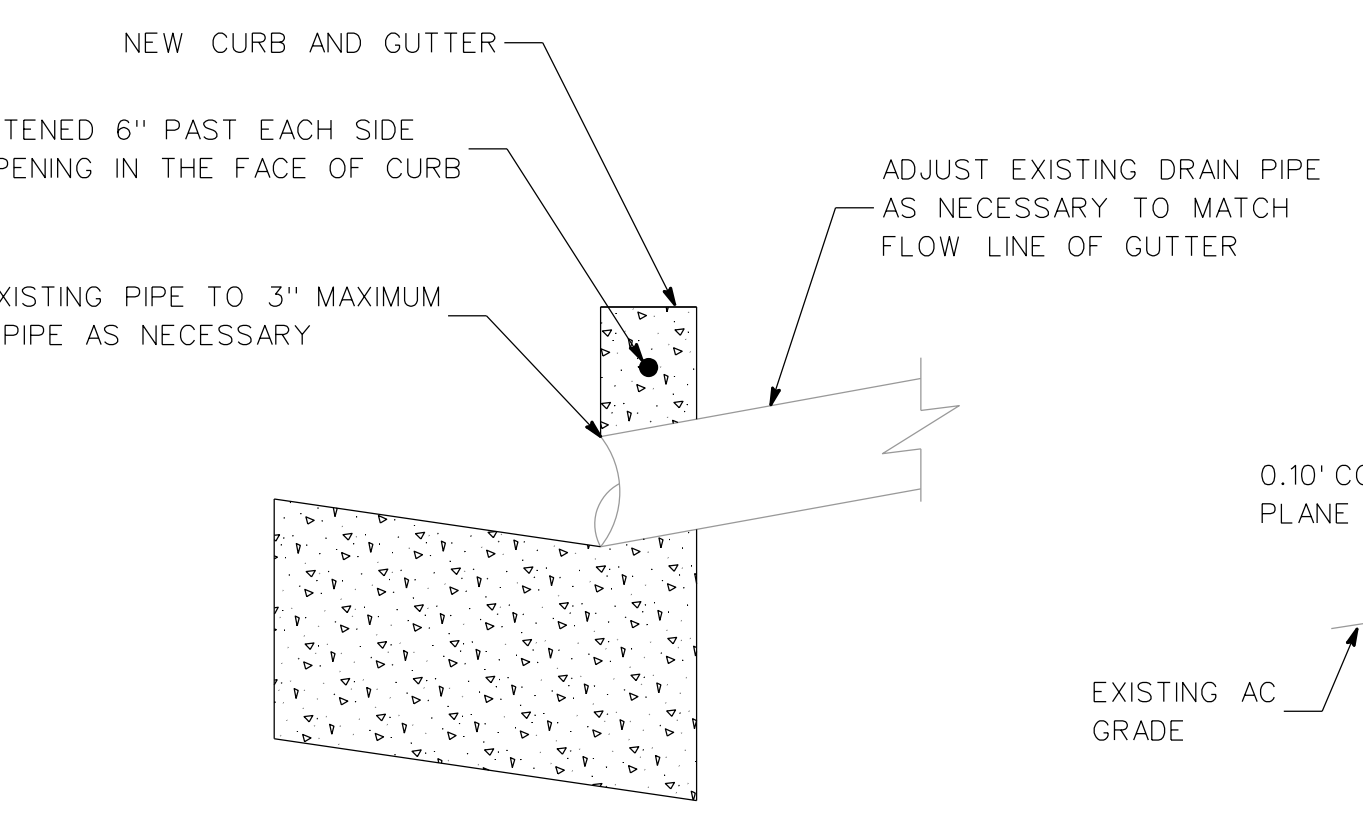
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4 ADJUST INLET TOP TO GRADE TYPICAL



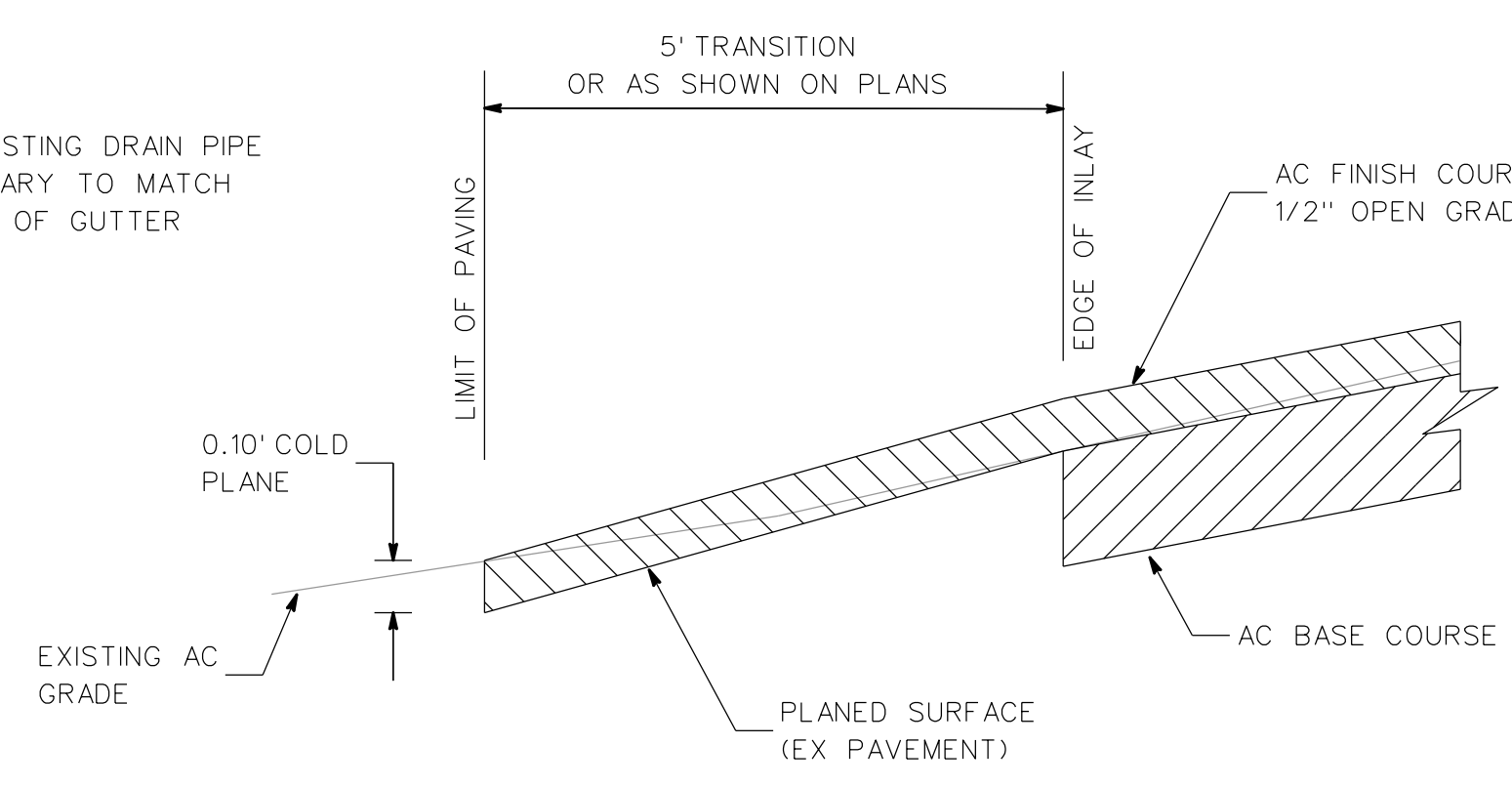
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4 AC RECONSTRUCTION CONFORM PAVING AT TRANSVERSE CONFORMS AND SIDE STREETS



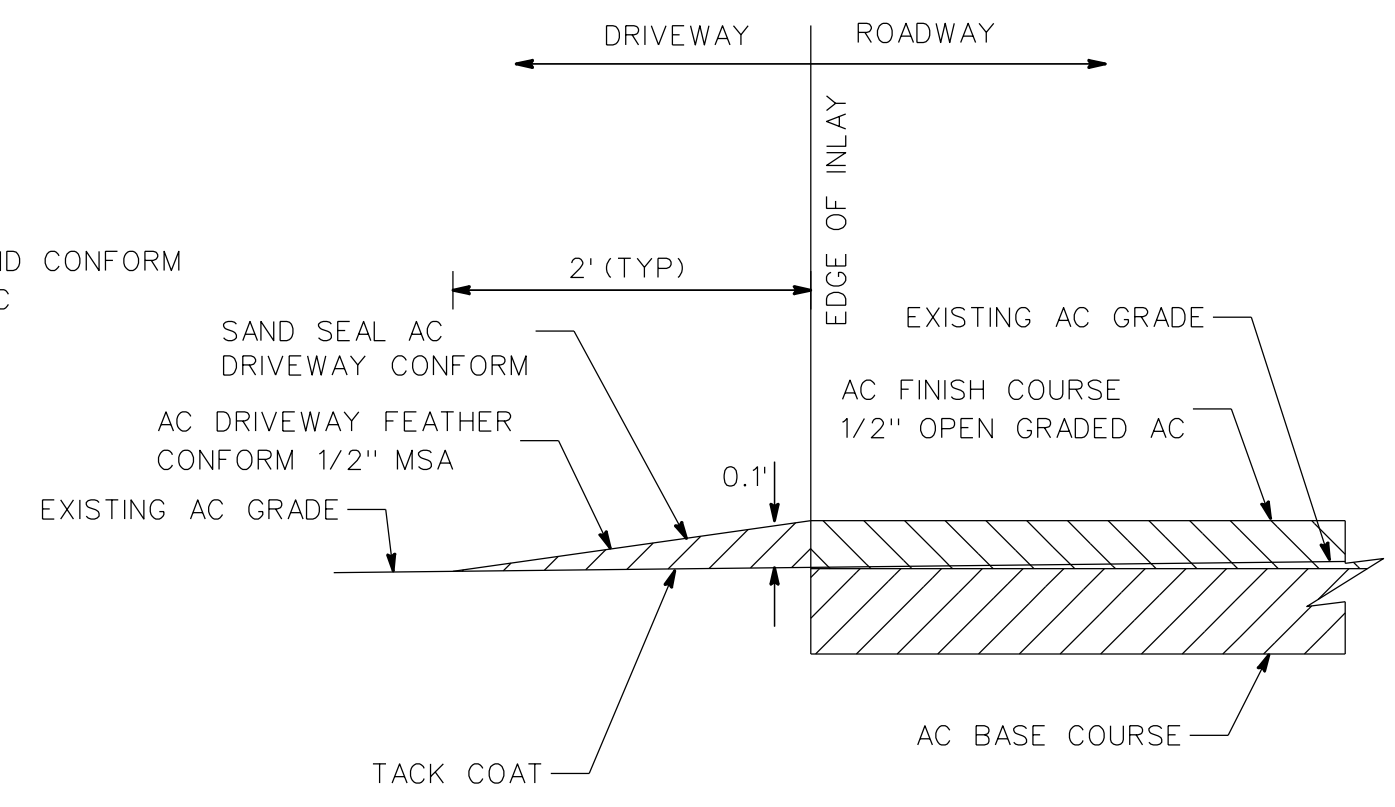
7
4 NEW CURB AND GUTTER CONFORM TO EXISTING TERRAIN (TYPICAL)



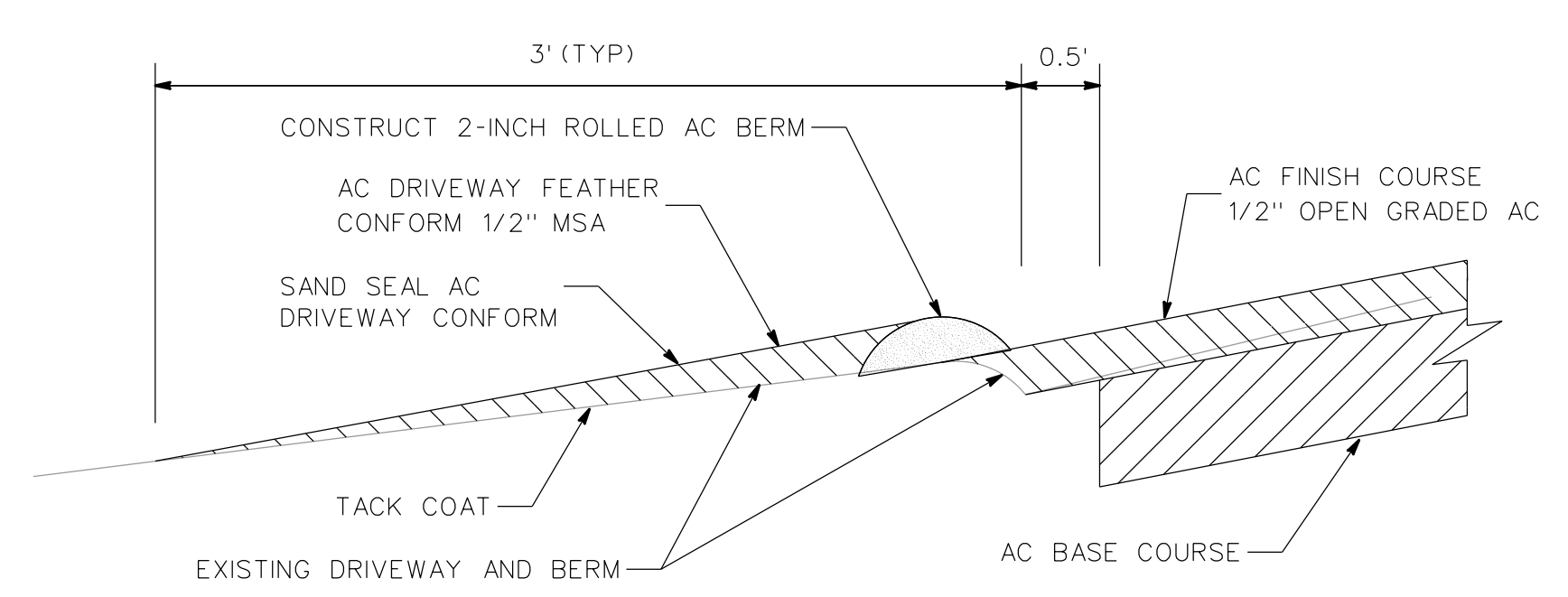
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4 PRIVATE DRAIN EXTENSION THROUGH FACE OF CURB



9
4 ASPHALT CONCRETE INLAY TRANSITION AT TRANSVERSE AND LONGITUDINAL CONFORMS



10
4 AC INLAY CONFORM PAVING AT DRIVEWAYS WITHOUT BERMS AND PAVED SHOULDERS



11
4 TYPICAL DRIVEWAY CONFORM PAVING WITH ROLLED BERM

DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 4-10-14

SIGN: *[Signature]*
 DATE: 4-10-14

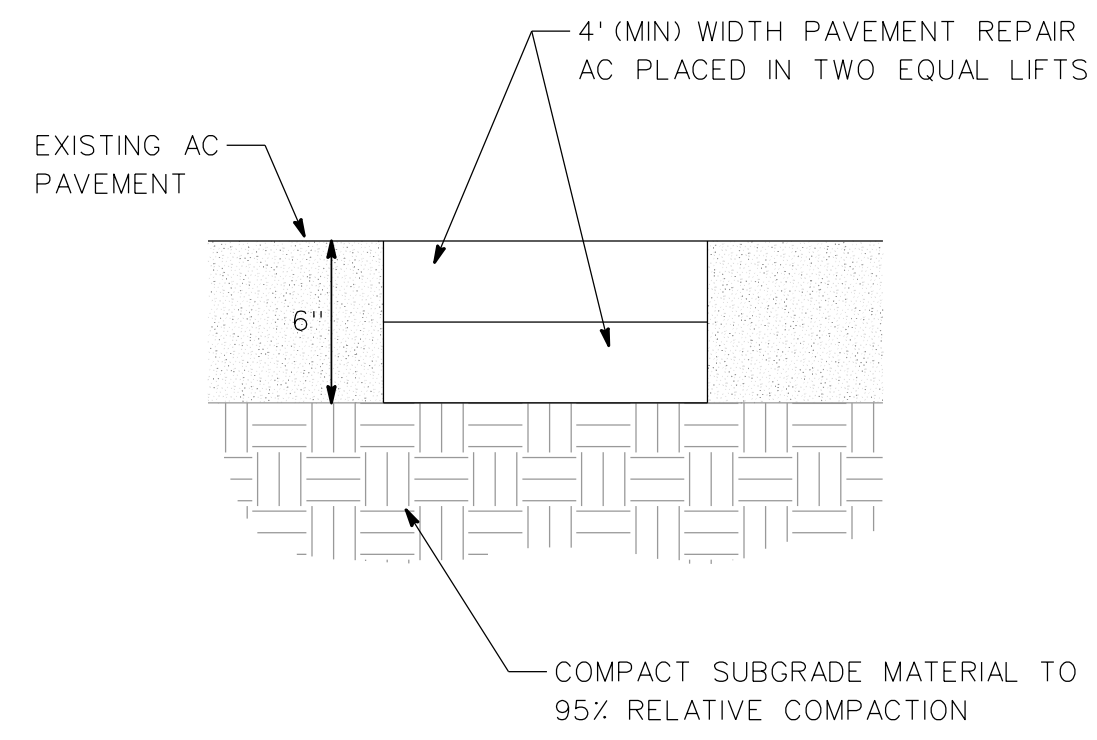


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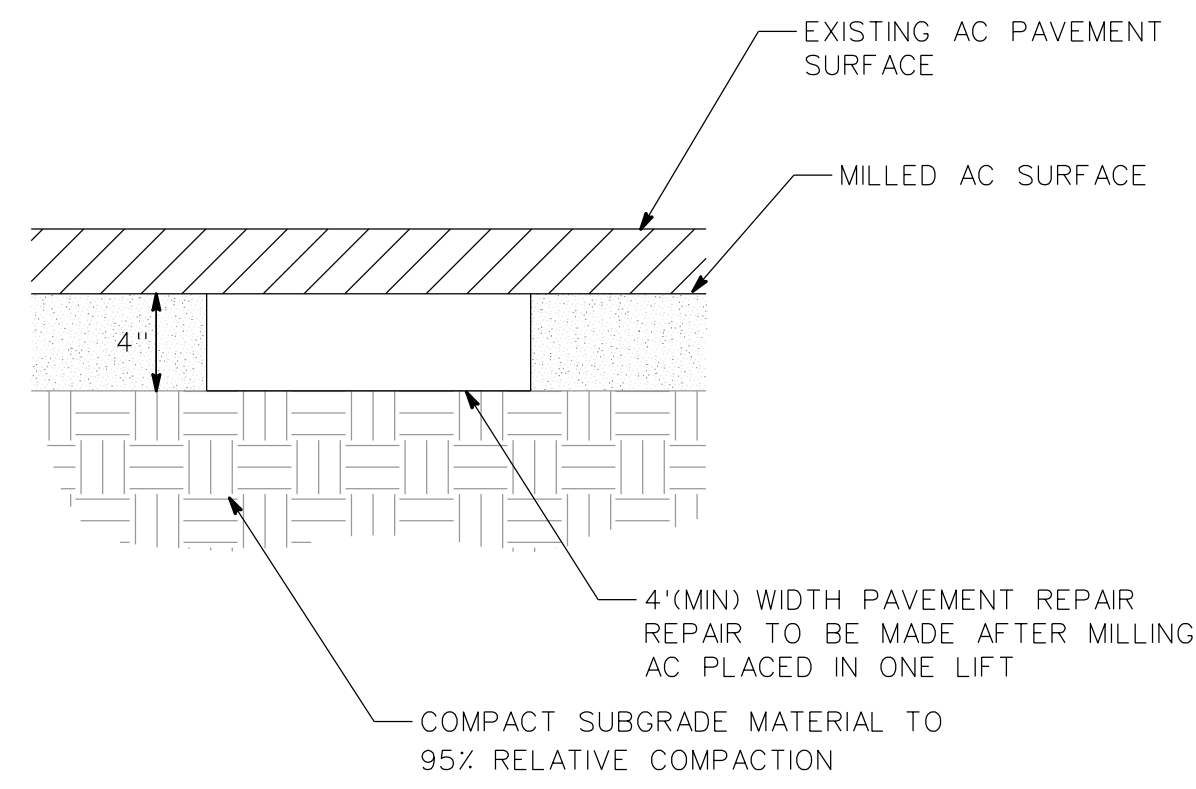
REVIEWED BY:
 CITY OF LAFAYETTE
[Signature]
 Tony Coe, Engineering Services Manager
 Date: 4-10-14

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 CONTRA COSTA COUNTY CALIFORNIA

CONSTRUCTION DETAILS
 SCALE: NTS
 SHEET 4 of 67



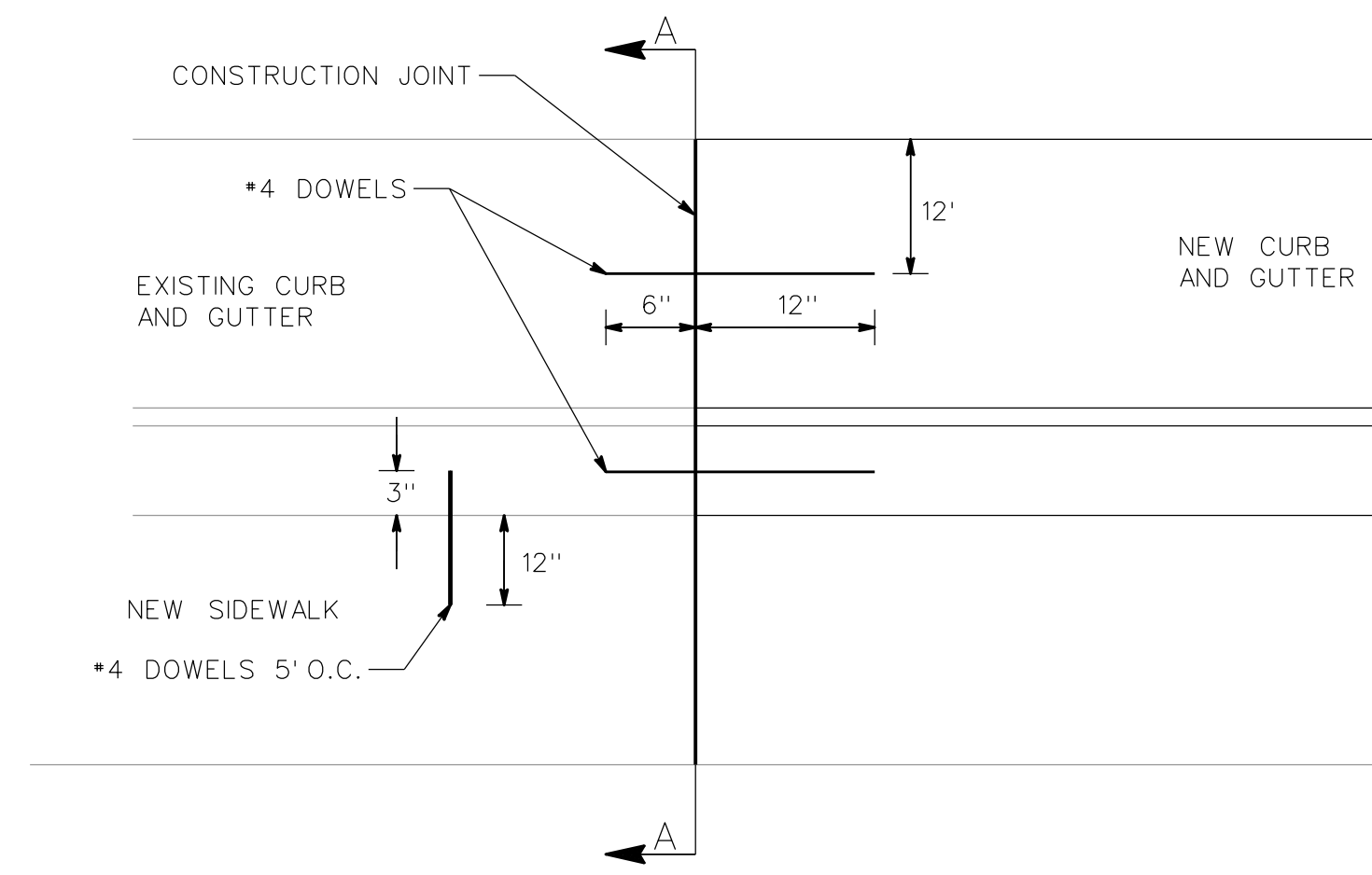
6" PAVEMENT REPAIR



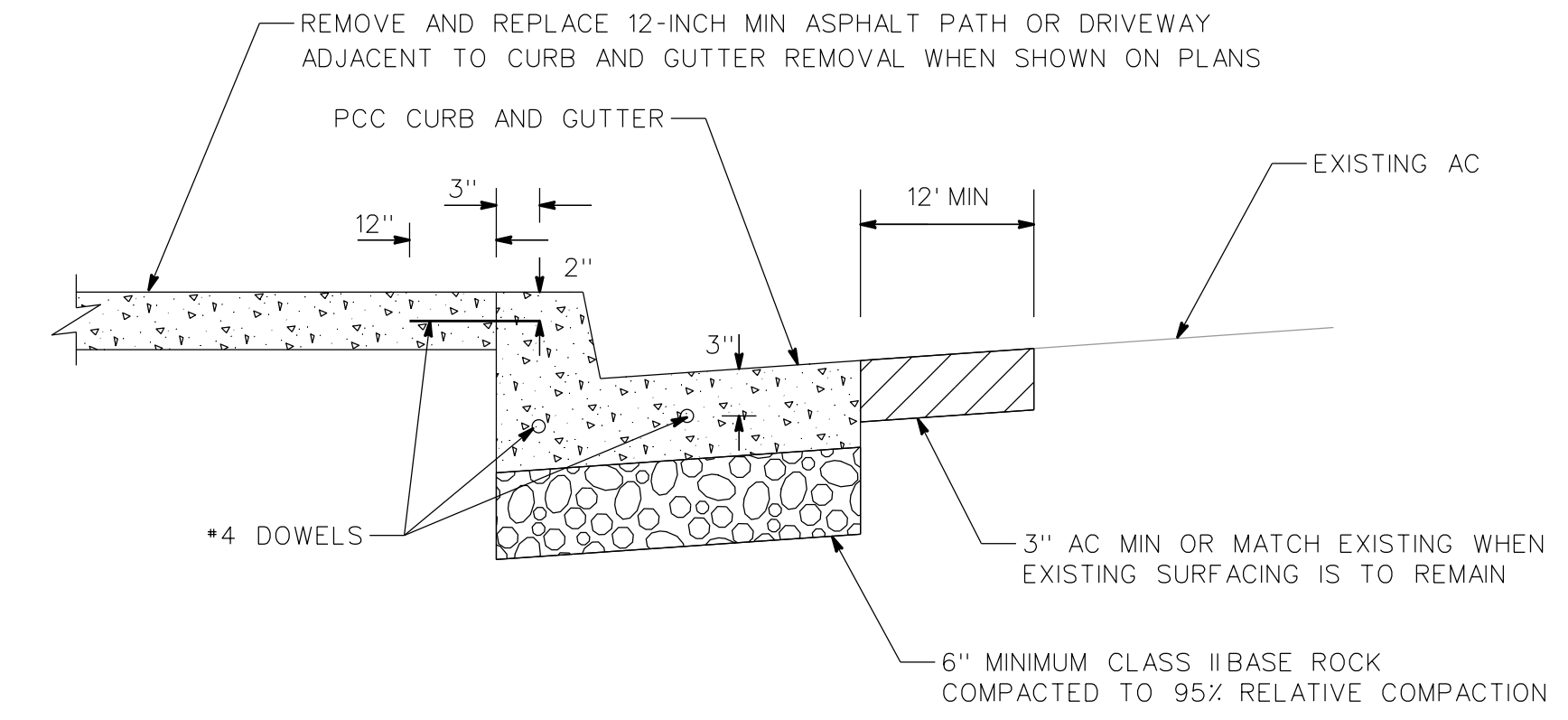
4" PAVEMENT REPAIR

1
5

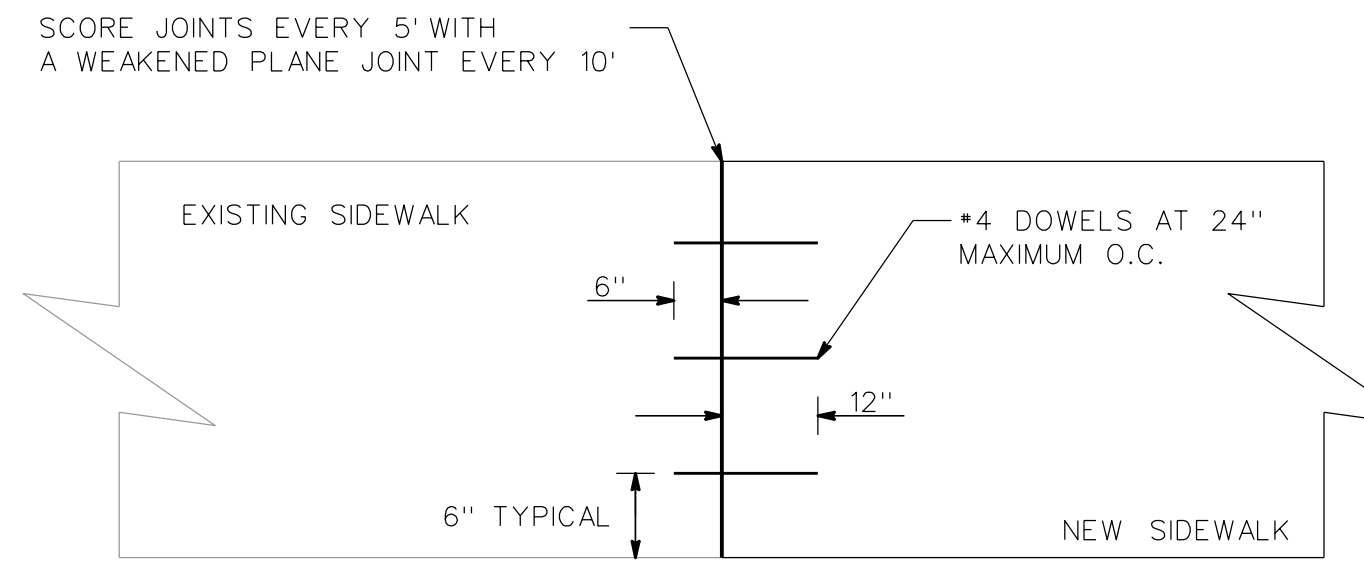
PAVEMENT REPAIR



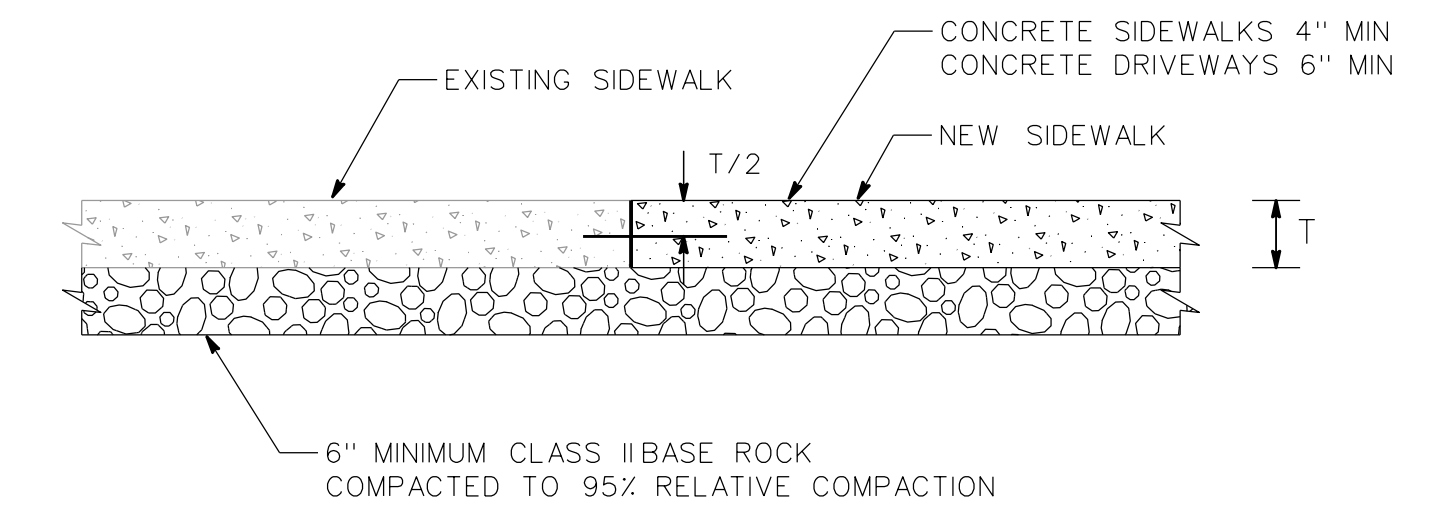
CURB AND GUTTER REPAIR PLAN VIEW



SECTION A-A CURB AND GUTTER REPAIR



SIDEWALK REPAIR PLAN VIEW



SIDEWALK REPAIR LONGITUDINAL SECTION

2
5

TYPICAL CURB, GUTTER AND SIDEWALK REPAIR DETAIL

DATE	MARK	REVISION	INIT.

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 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 4-10-14

SIGN: *John M. Luttrupp*
 DATE: 4-10-14

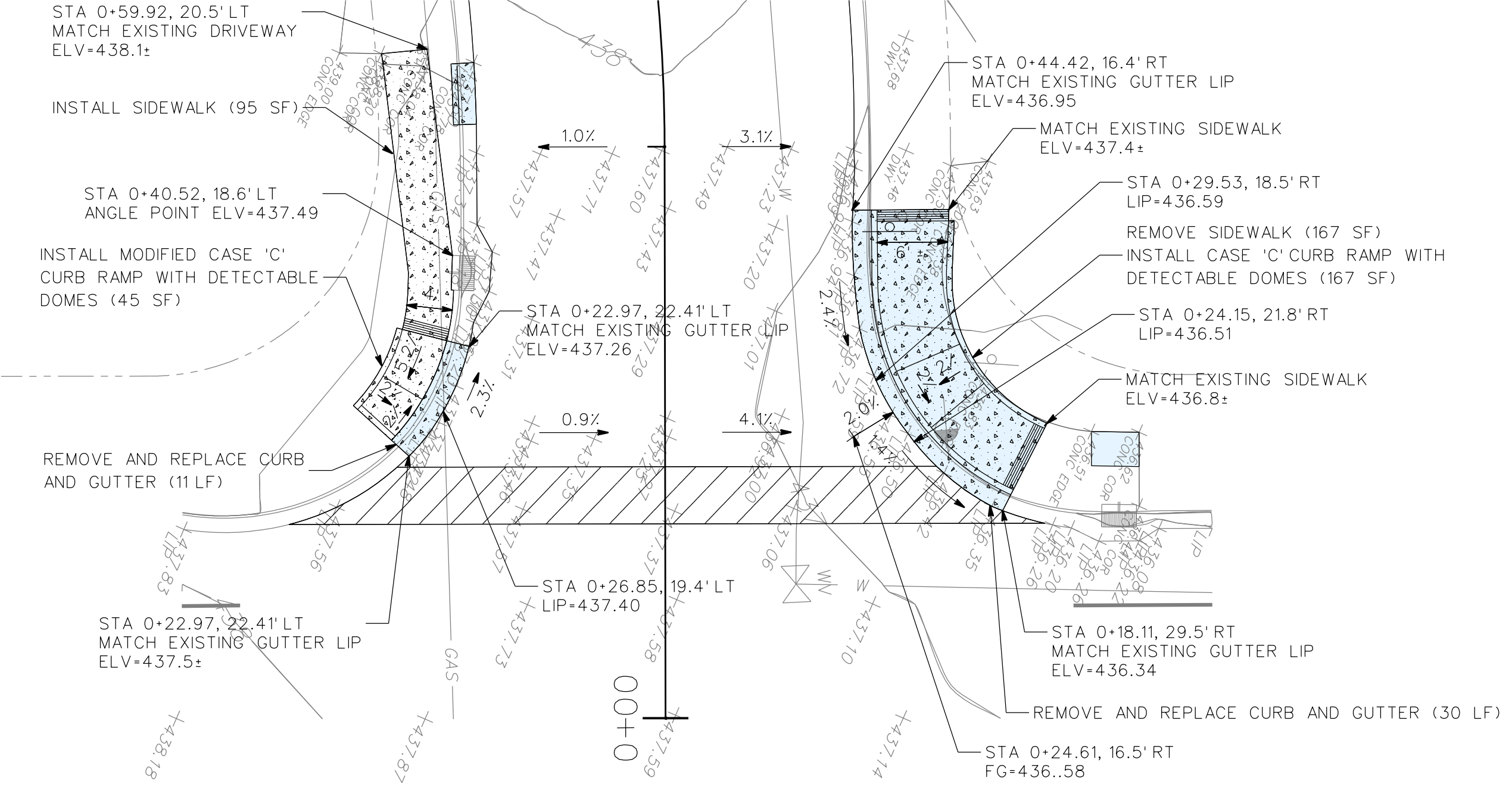


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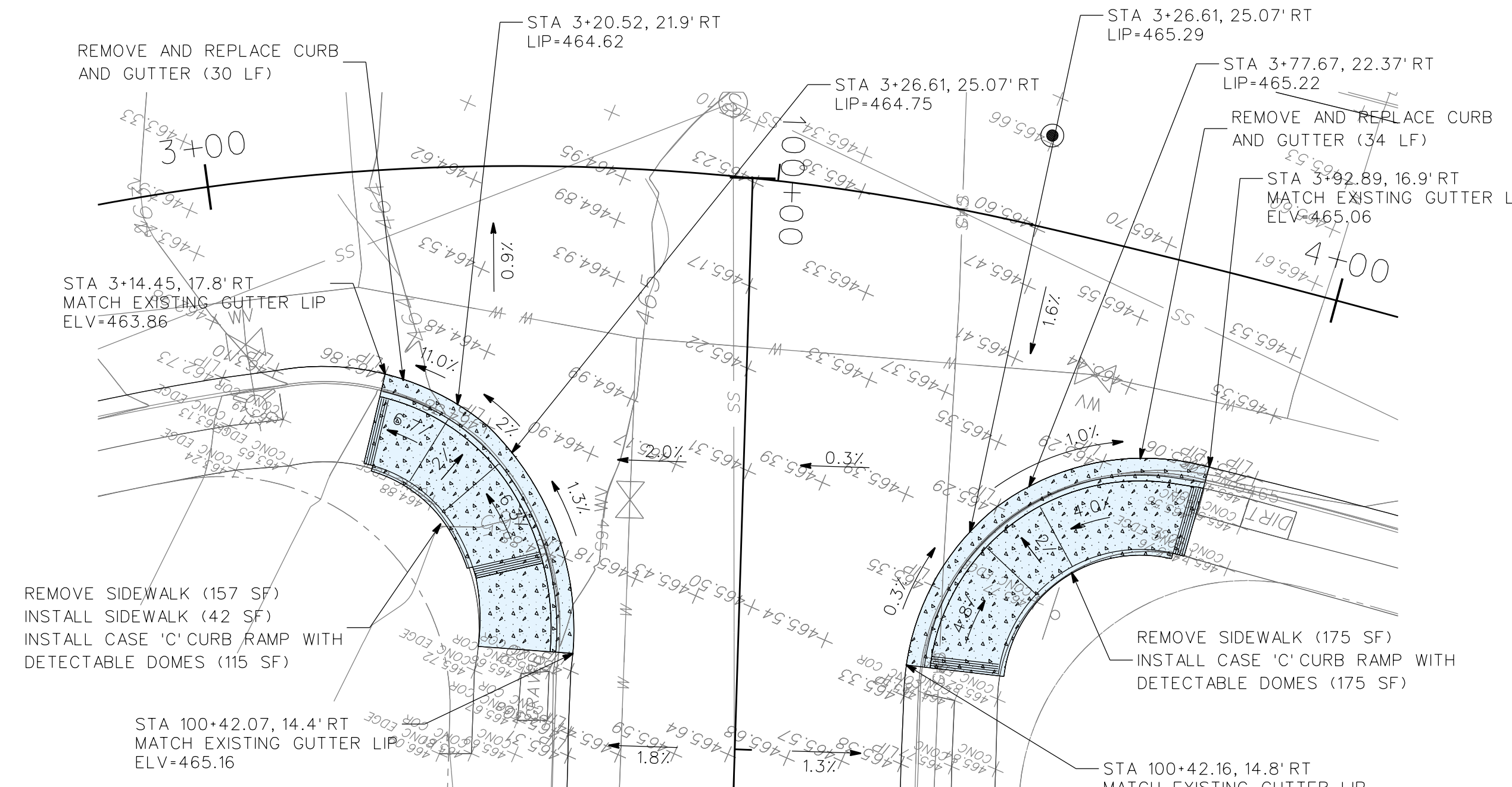
REVIEWED BY:
 CITY OF LAFAYETTE
Tony Coe
 Tony Coe, Engineering Services Manager
 Date: 4-10-14

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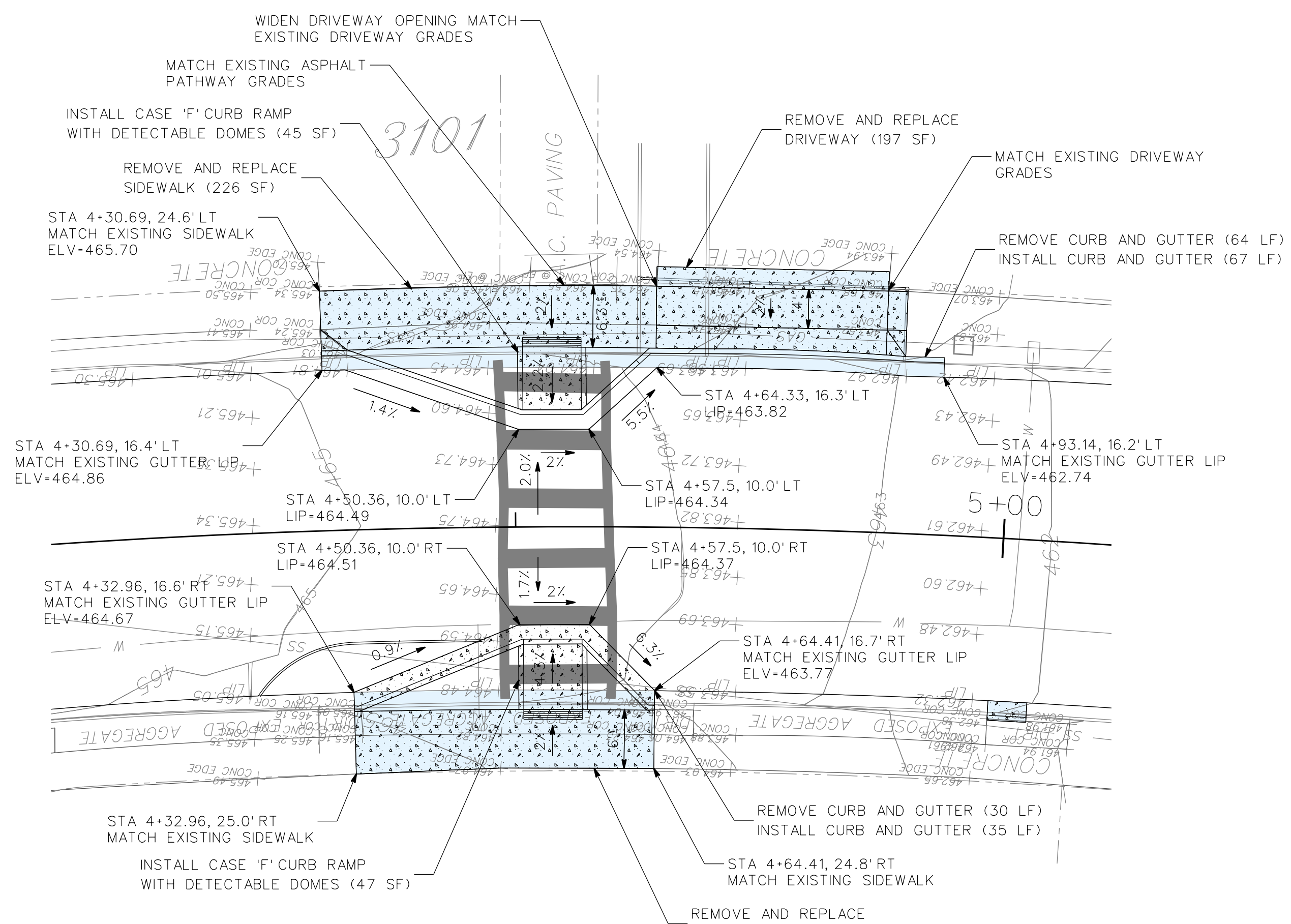
CONSTRUCTION DETAILS
 SCALE: NTS
 SHEET 5 of 67



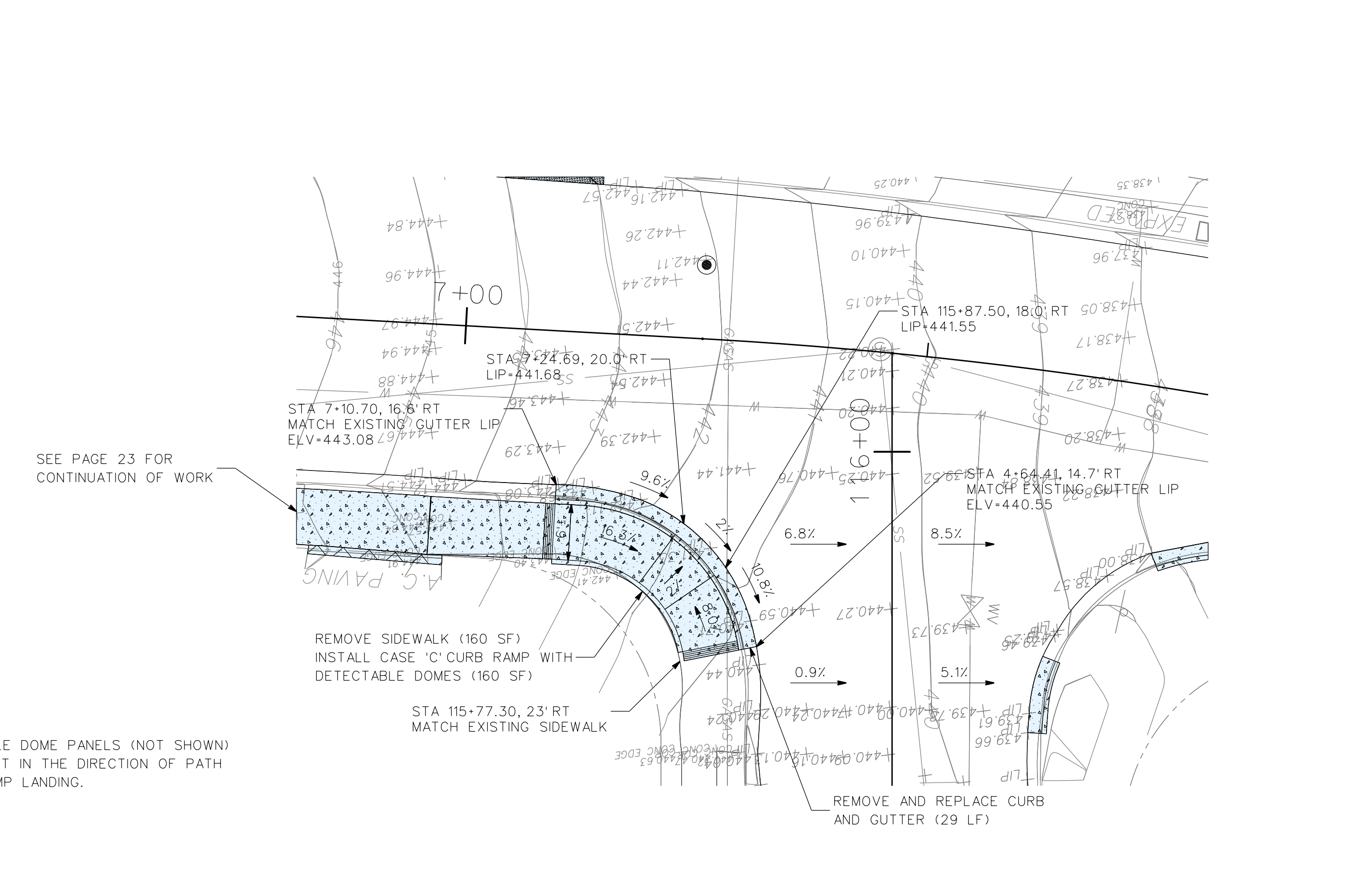
1 CURB RAMPS
6 AT MERRIEWOOD DRIVE AND SANDALWOOD COURT



2 CURB RAMPS
6 AT SANDALWOOD COURT AND SWEETBRIER CIRCLE



3 CURB RAMPS
6 AT 3100 SANDALWOOD COURT

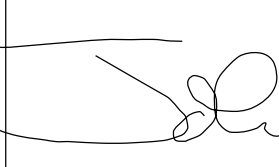


4 CURB RAMPS
6 AT SANDALWOOD COURT AND SWEETBRIER CIRCLE

NOTE:
ALL CURB RAMPS SHALL HAVE DETECTABLE DOME PANELS (NOT SHOWN)
PANELS SHALL MEASURE AT LEAST 3 FEET IN THE DIRECTION OF PATH
OF TRAVEL AND SPAN THE WIDTH OF RAMP LANDING.
SEE ALSO "LEGEND" ON SHEET 11


DATE	MARK	REVISION	INIT.

Designed by:
Drawn by:
Checked by:
Reviewed by:
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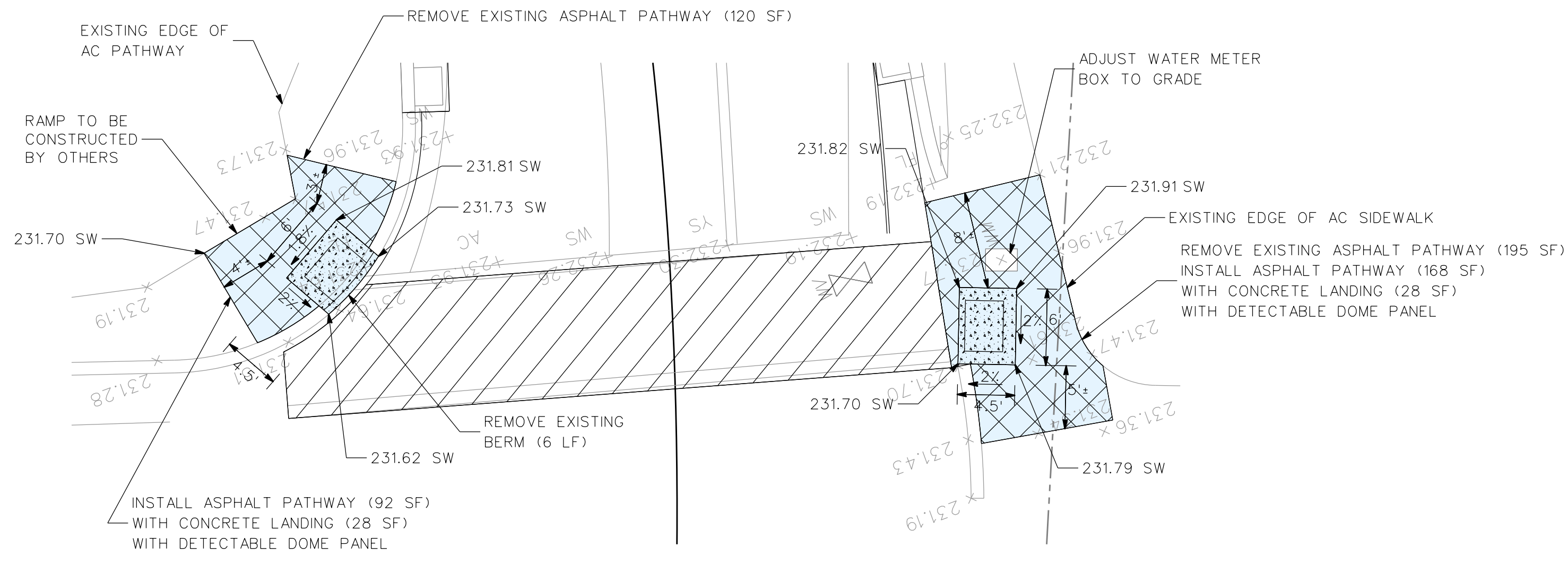


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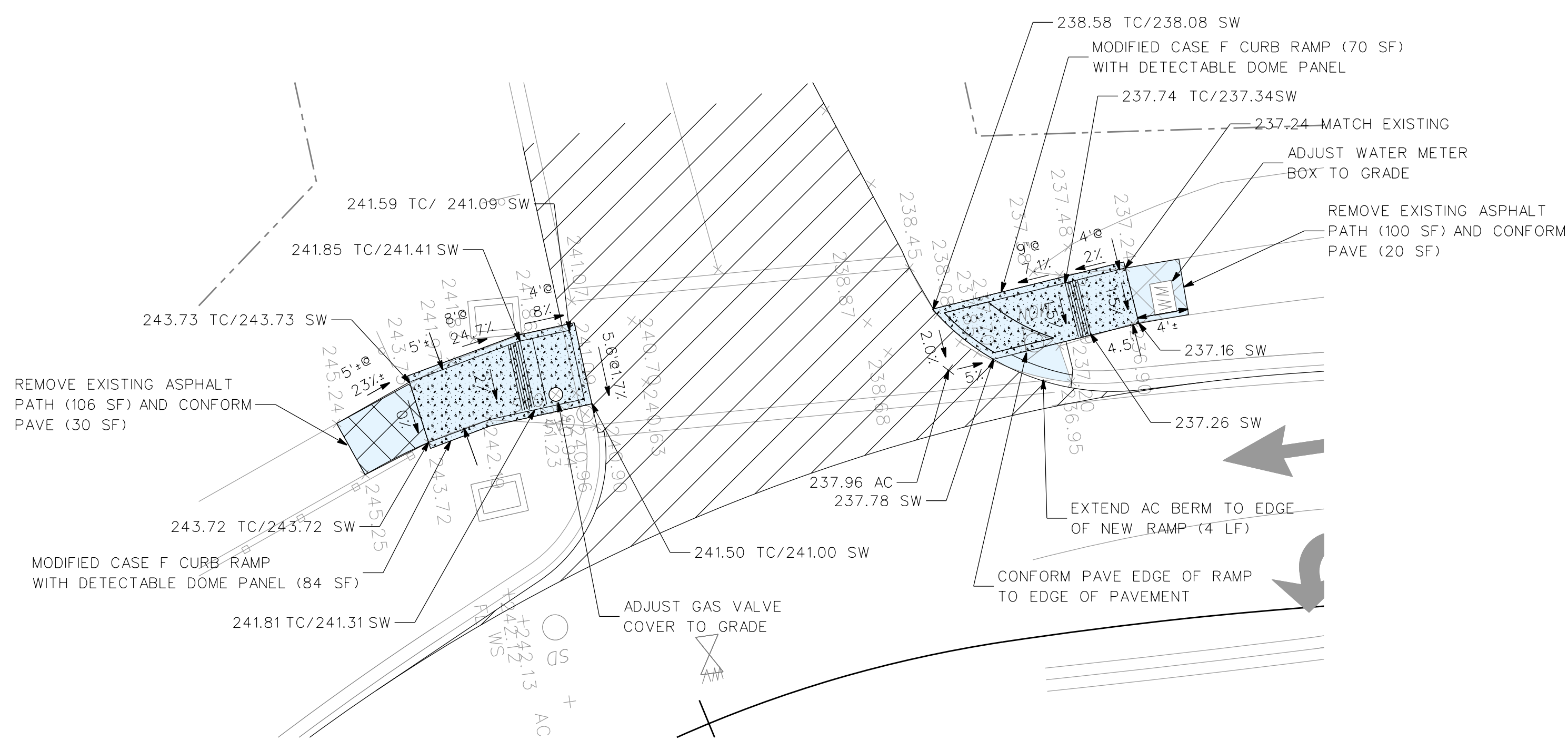
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2014 ROAD REHABILITATION PROJECT
CONTRA COSTA COUNTY CALIFORNIA

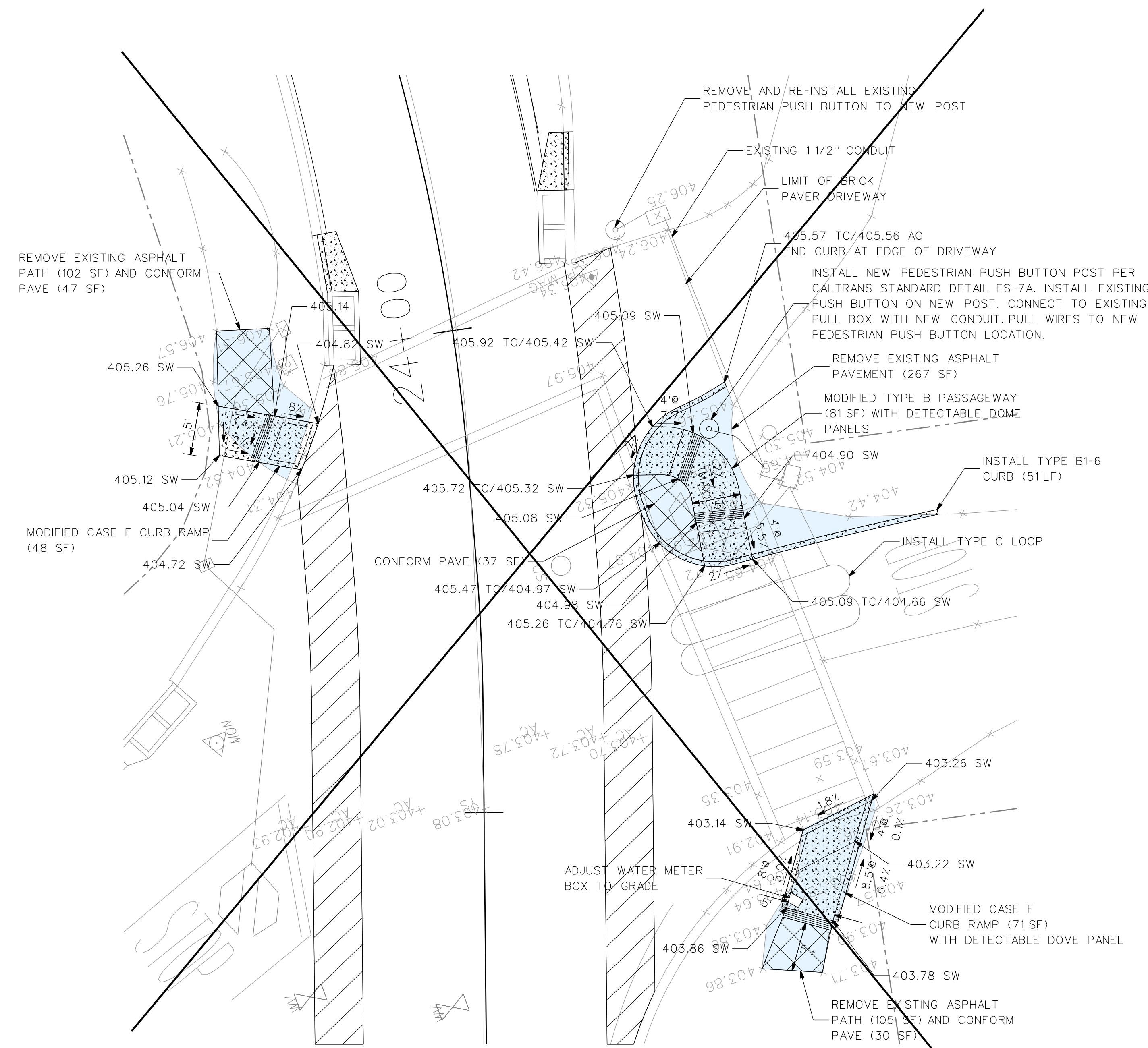
CONSTRUCTION DETAILS
SCALE: 1"=10'
SHEET 6 of 67



1 CURB RAMPS
7 AT RELIEZ STATION ROAD AND OLYMPIC BOULEVARD



2 CURB RAMPS
7 AT RELIEZ STATION ROAD AND BEECHWOOD DRIVE



3 CURB RAMPS
7 AT RELIEZ STATION ROAD AND LAS TRAMPAS ROAD-RICHELLE COURT

NOTE:
ALL CURB RAMPS SHALL HAVE DETECTABLE DOME PANELS (NOT SHOWN)
PANELS SHALL MEASURE AT LEAST 3 FEET IN THE DIRECTION OF PATH
OF TRAVEL AND SPAN THE WIDTH OF RAMP LANDING.

NOT IN CONTRACT

DATE	MARK	REVISION	INIT.

Designed by: JML
Drawn by: JML
Checked by: MJM
Reviewed by: FKS
Date: 4-10-14

SIGN: *[Signature]*
DATE: 4-10-14

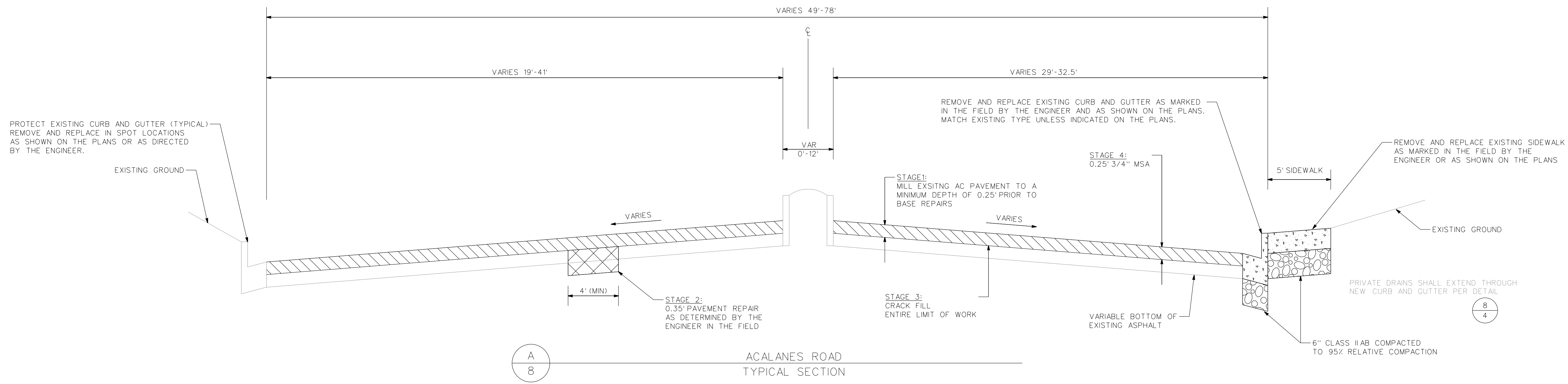


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CITY OF LAFAYETTE
[Signature]
Tony Joe, Engineering Services Manager
4-10-14
Date

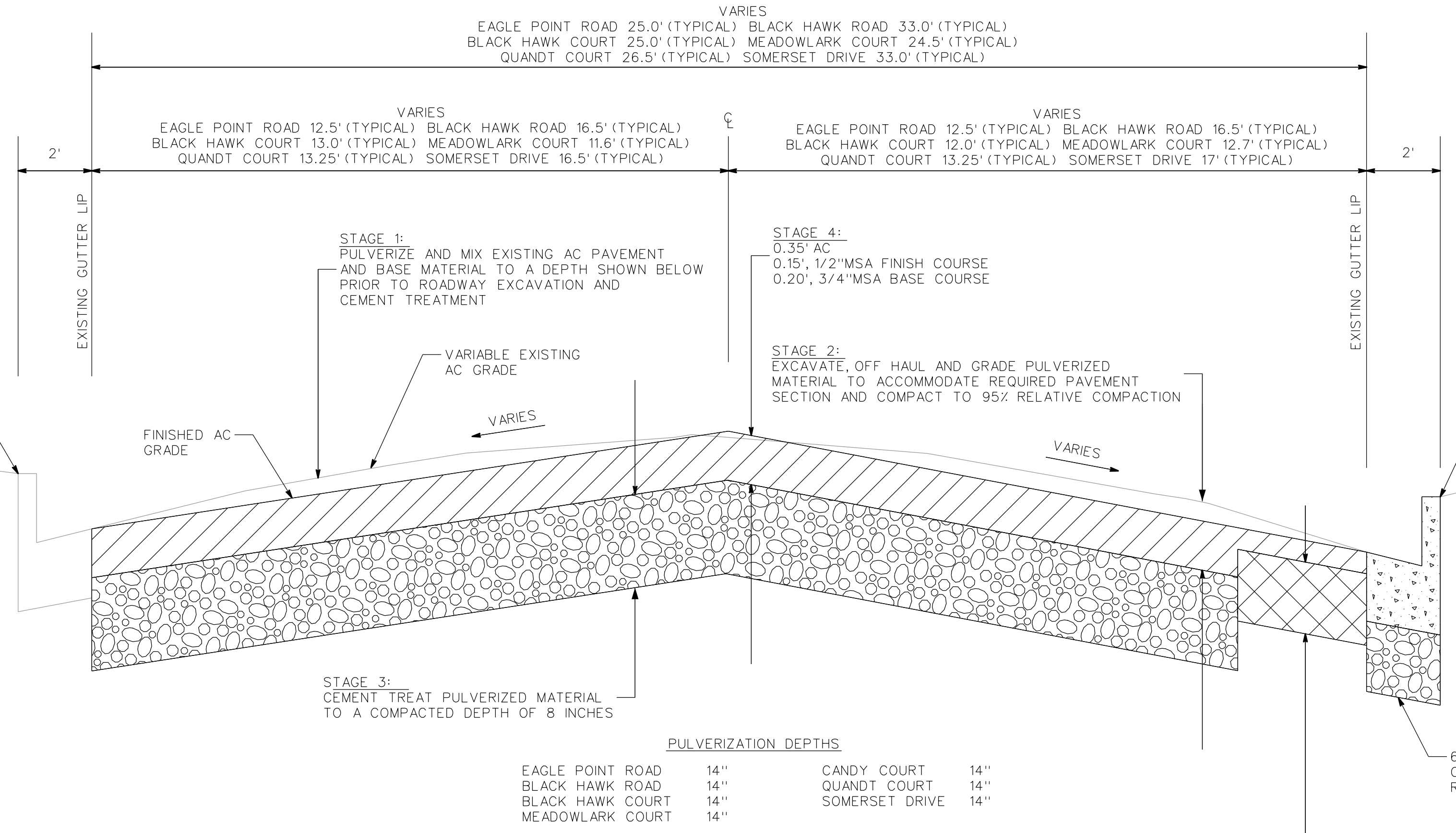
CITY OF LAFAYETTE
PROJECT NO. 014-9698
2014 ROAD REHABILITATION PROJECT
CONTRA COSTA COUNTY CALIFORNIA

CONSTRUCTION DETAILS
SCALE: 1"=8'
SHEET 7 of 67



A
8

ACALANES ROAD
TYPICAL SECTION



PULVERIZATION DEPTHS

EAGLE POINT ROAD	14"	CANDY COURT	14"
BLACK HAWK ROAD	14"	QUANDT COURT	14"
BLACK HAWK COURT	14"	SOMERSET DRIVE	14"
MEADOWLARK COURT	14"		

B
8

EAGLE POINT ROAD, BLACK HAWK ROAD, BLACK HAWK COURT, MEADOWLARK COURT
QUANDT COURT, CANDY COURT, AND SOMERSET DRIVE
TYPICAL SECTION

DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 4-10-14

SIGN: *[Signature]*
 DATE: 4-10-14

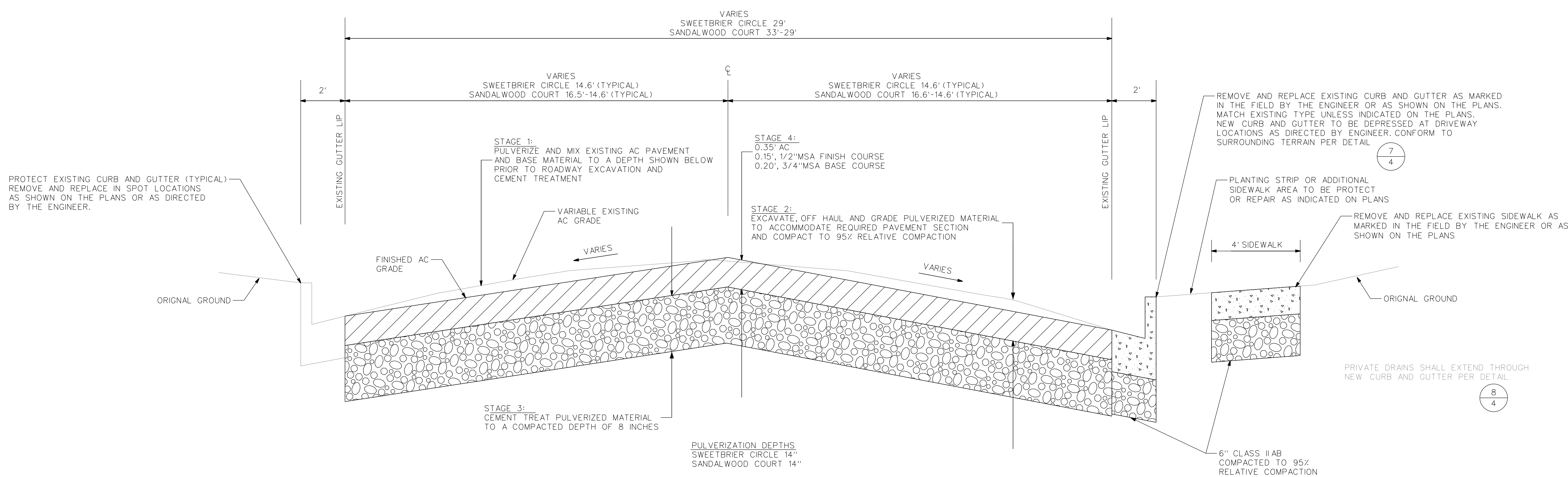


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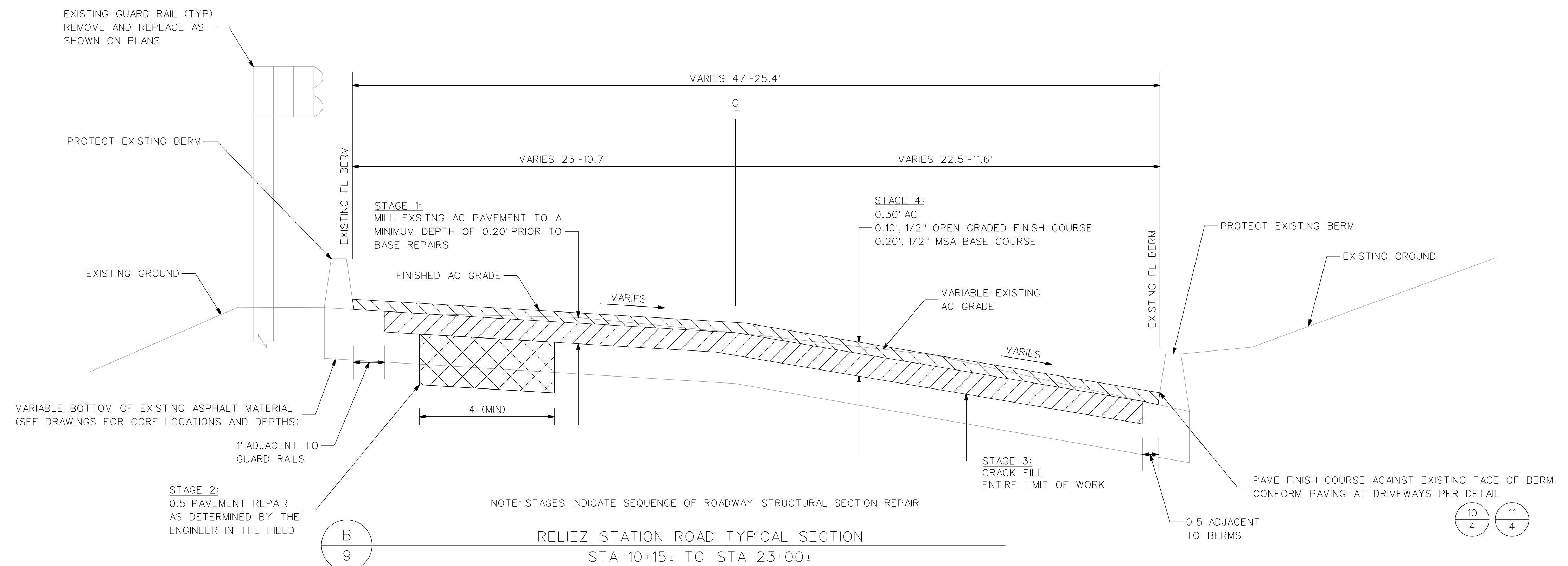
CITY OF LAFAYETTE
 PROJECT NO. 014-9698
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 CONTRA COSTA COUNTY CALIFORNIA

TYPICAL SECTION
 SCALE: NTS
 SHEET 8 of 67



NOTE: STAGES INDICATE SEQUENCE OF ROADWAY STRUCTURAL SECTION RECONSTRUCTION

A
9
SWEETBRIER CIRCLE AND SANDALWOOD COURT
TYPICAL SECTION



NOTE: STAGES INDICATE SEQUENCE OF ROADWAY STRUCTURAL SECTION REPAIR

B
9
RELIEZ STATION ROAD TYPICAL SECTION
STA 10+15+ TO STA 23+00+

DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 4-10-14

SIGN: *[Signature]*
 DATE: 4-10-14



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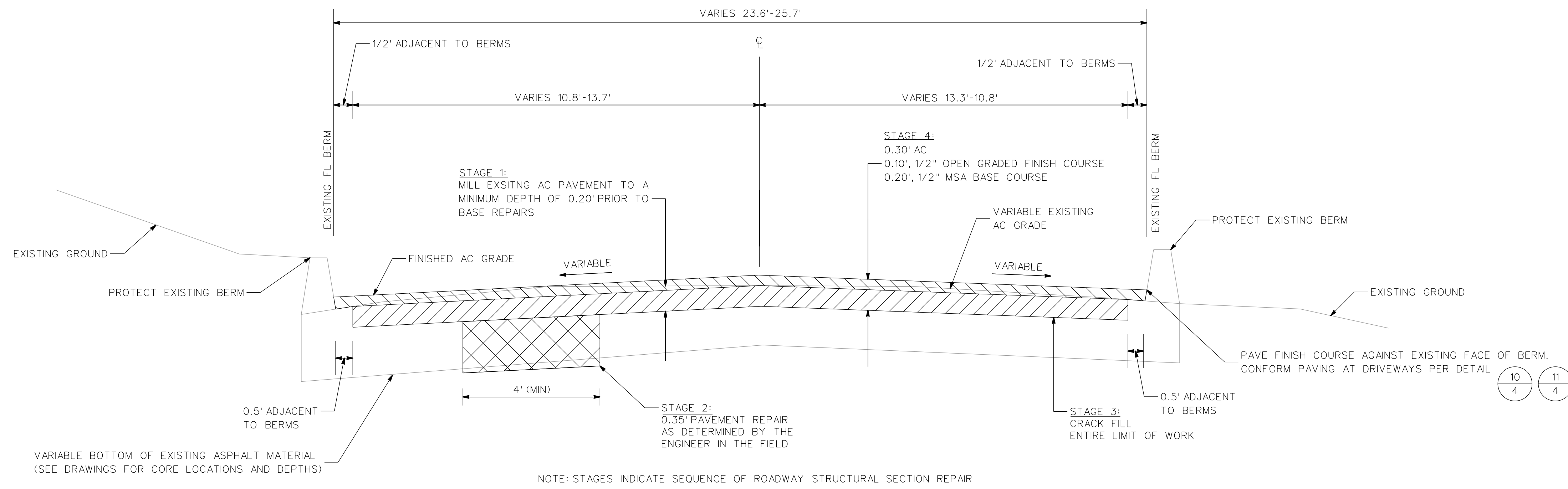
CITY OF LAFAYETTE
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 CONTRA COSTA COUNTY CALIFORNIA

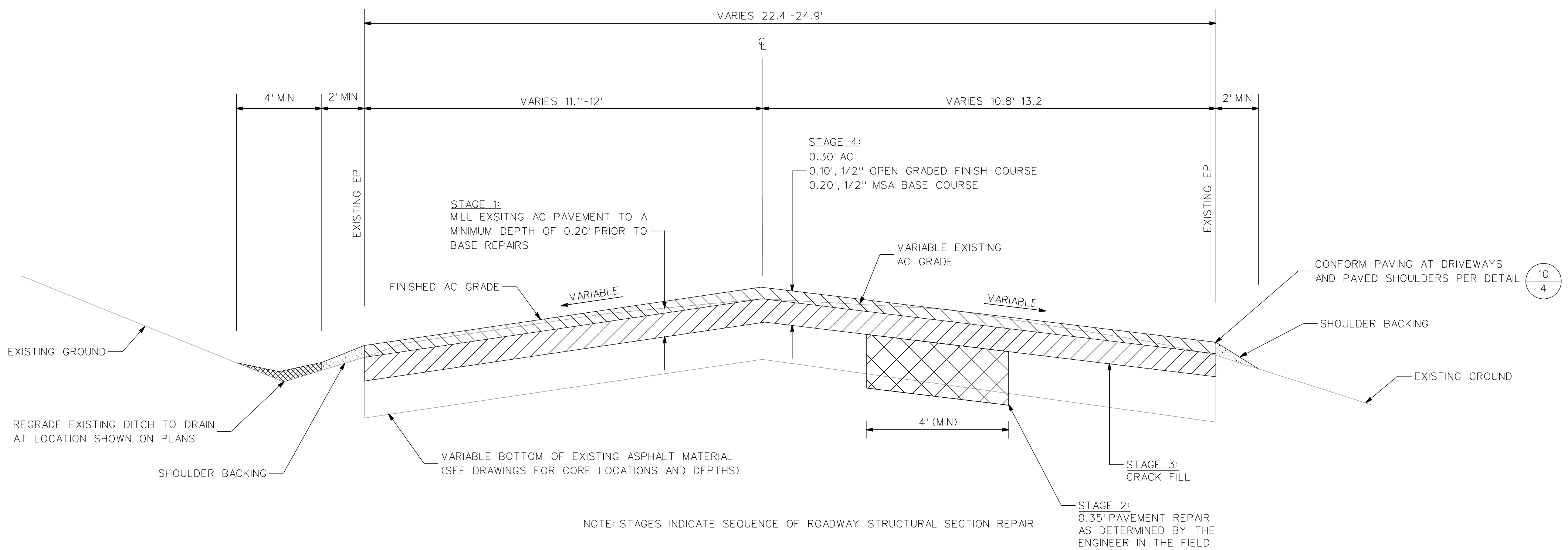
TYPICAL SECTION

SCALE: NTS

SHEET 9 of 67



A
10
RELIEZ STATION ROAD TYPICAL SECTION
STA 23+00+ TO STA 31+00+



B
10
RELIEZ STATION ROAD TYPICAL SECTION
STA 31+00+ TO STA 38+87+

DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 4-10-14

SIGN: *[Signature]*
 DATE: 4-10-14

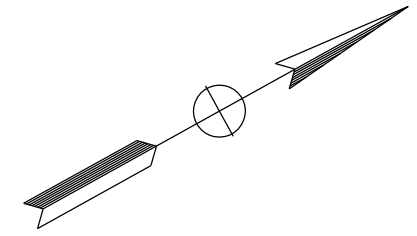


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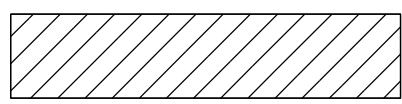

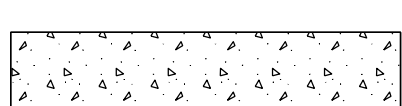
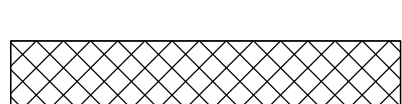
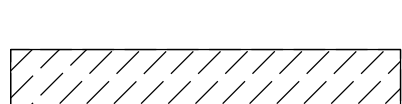
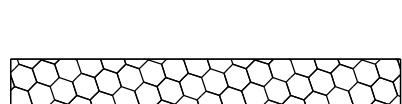

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[Signature]
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 Date: 4-10-14

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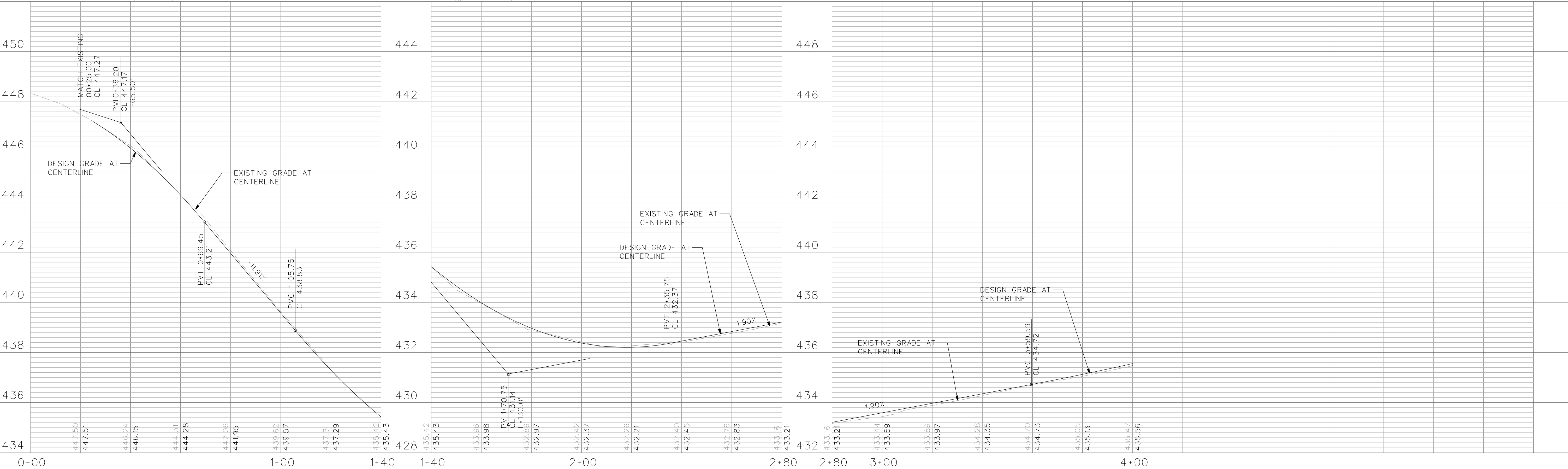
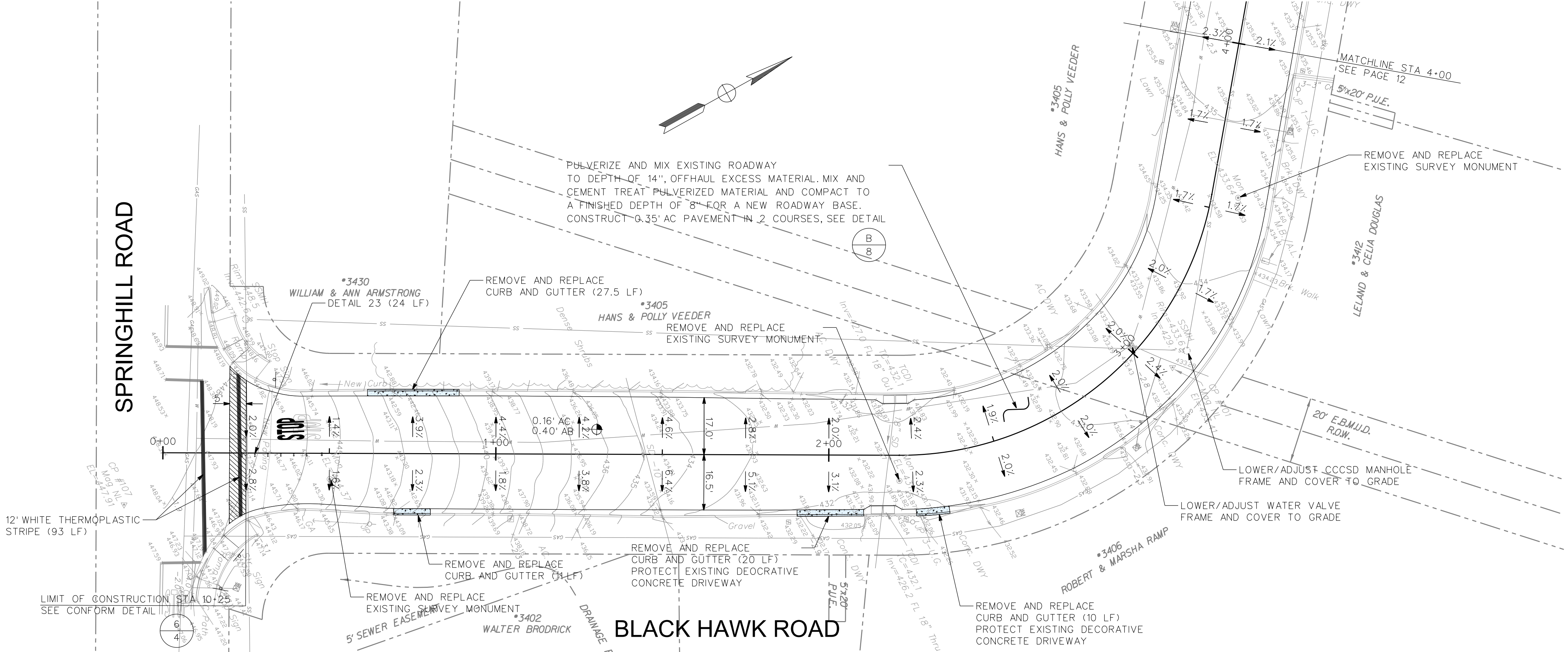
TYPICAL SECTION
 SCALE: NTS
 SHEET 10 of 67



LEGEND: (SHEETS 6,7,11-32)

- CONFORM PAVING 
- REMOVE CONCRETE OR ASPHALT IMPROVEMENTS 
- CONSTRUCT NEW CONCRETE IMPROVEMENTS 
- ASPHALT PAVING OVER EXISTING BASE MATERIAL 
- AC DRIVEWAY AND SHOULDER OVERLAY CONFORM PAVING OVER EXISTING AC SURFACING 
- REMOVE AND RESET DECORATIVE PAVERS 
- GAS TRANSMISSION LINE ZONE 

SPRINGHILL ROAD



Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 4-10-14

Professional Engineer seal for John W. Luttrupp, No. 55064, Exp. 6/30/14, State of California.

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Date: 4-10-14

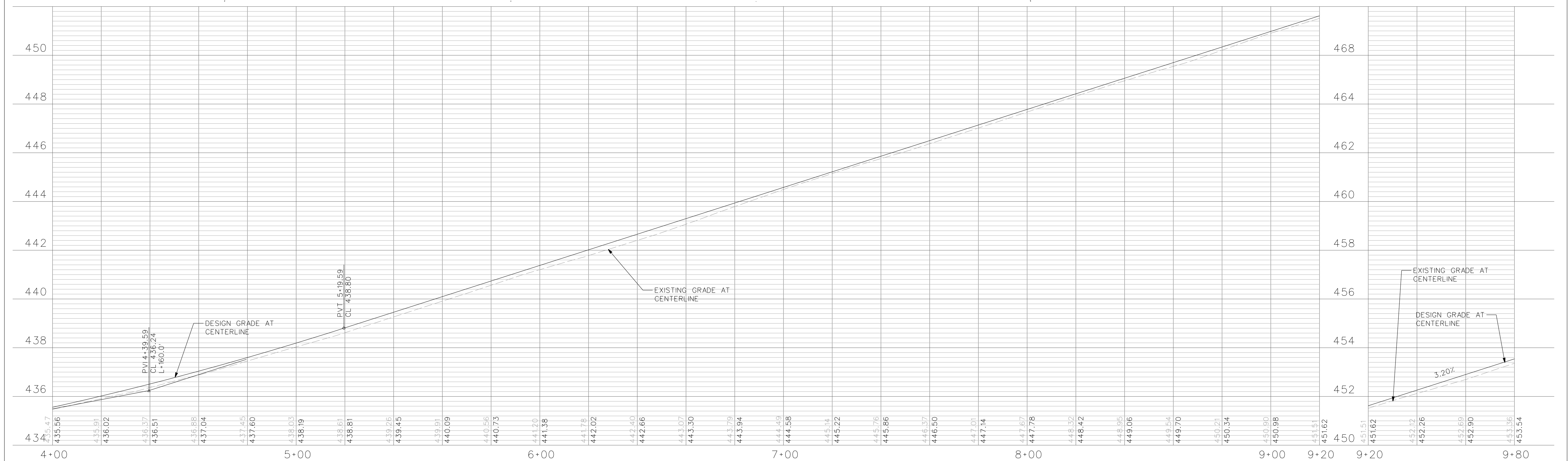
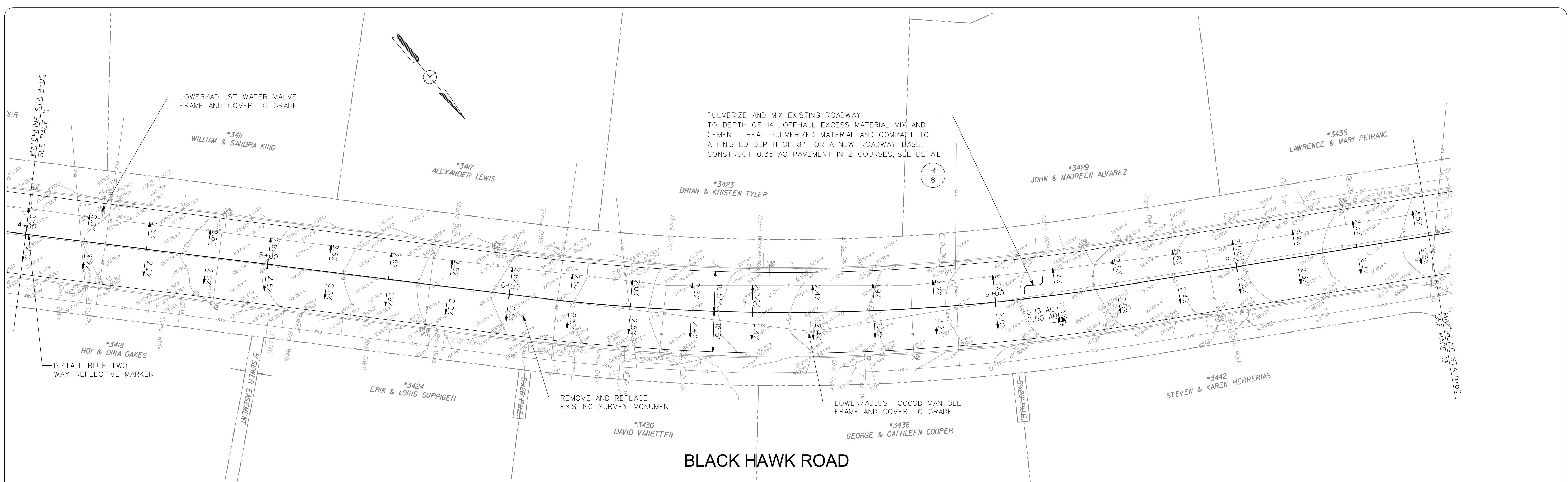
CITY OF LAFAYETTE
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2014 ROAD REHABILITATION PROJECT
 CONTRA COSTA COUNTY CALIFORNIA

BLACK HAWK ROAD
 PLAN AND PROFILE

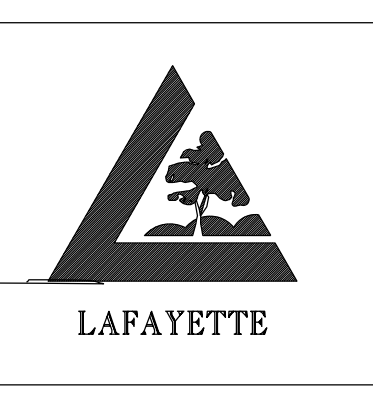
SCALE: H:1"=20' V:1"=1'

SHEET 11 of 67



DATE	MARK	REVISION	INIT.

Designed by: JML
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 Checked by: MJM
 Reviewed by: FKS
 Date: 4-10-14
 SIGN: *[Signature]* DATE: 4-10-14



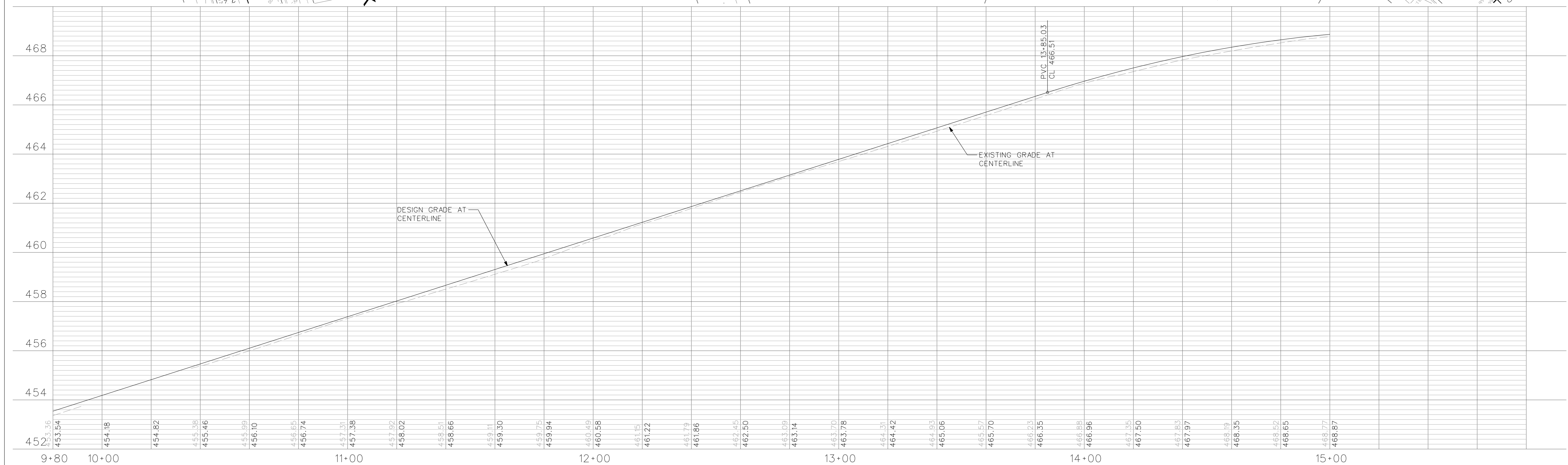
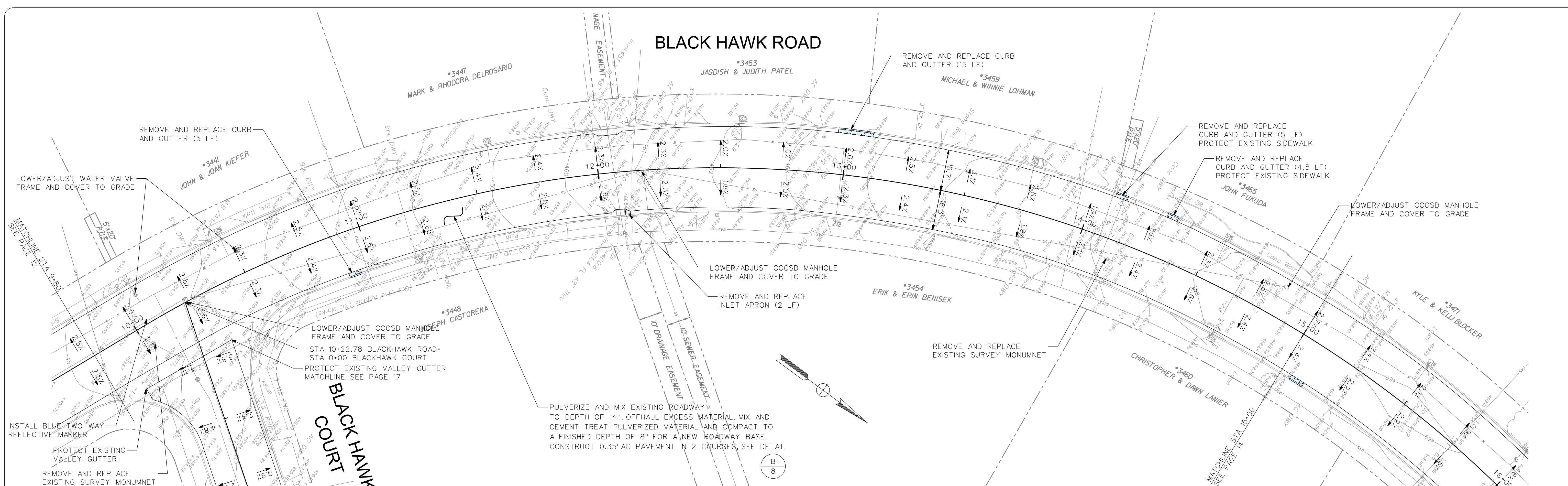
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[Signature]
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 4-10-14
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 PROJECT NO. 014-9698
 2014 ROAD REHABILITATION PROJECT
 CONTRA COSTA COUNTY CALIFORNIA

BLACK HAWK ROAD
 PLAN AND PROFILE
 SCALE: H:1"=20' V:1"=1'
 SHEET 12 of 67

BLACK HAWK ROAD



DATE	MARK	REVISION	INIT.

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 Drawn by: JML
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 Reviewed by: FKS
 Date: 4-10-14

SIGN: *[Signature]*
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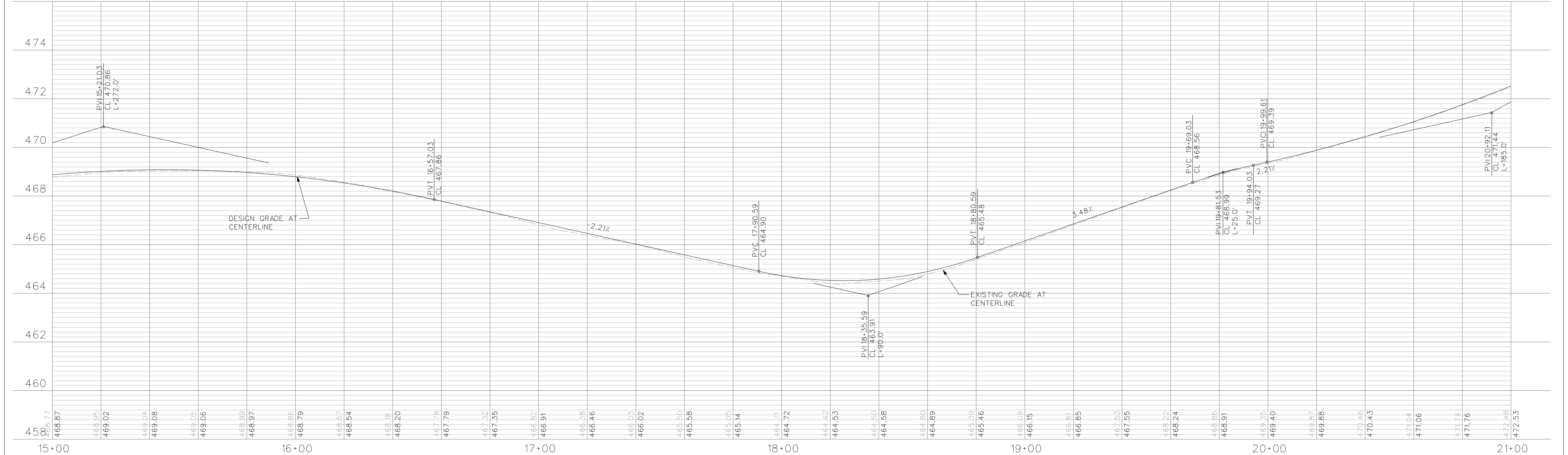
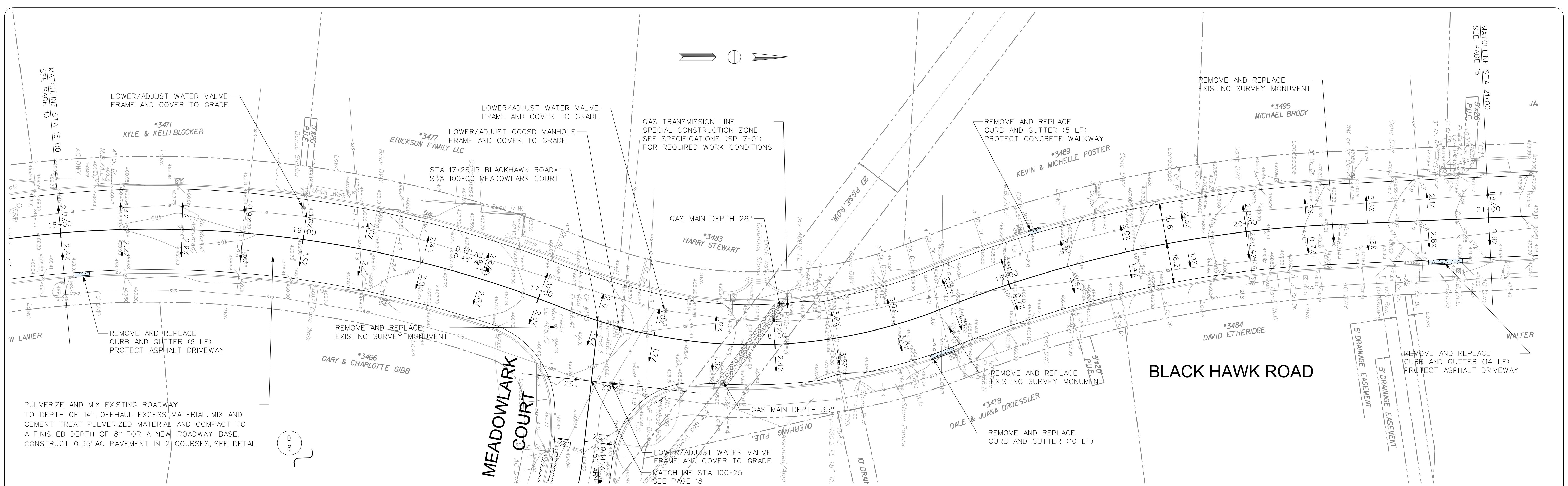


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[Signature]
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 2014 ROAD REHABILITATION PROJECT
 CONTRA COSTA COUNTY CALIFORNIA

BLACK HAWK ROAD
 PLAN AND PROFILE
 SCALE: H:1"=20' V:1"=1'
 SHEET 13 of 67



DATE	MARK	REVISION	INIT.

Designed by: JML
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 Reviewed by: FKS
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 DATE: 4-10-14

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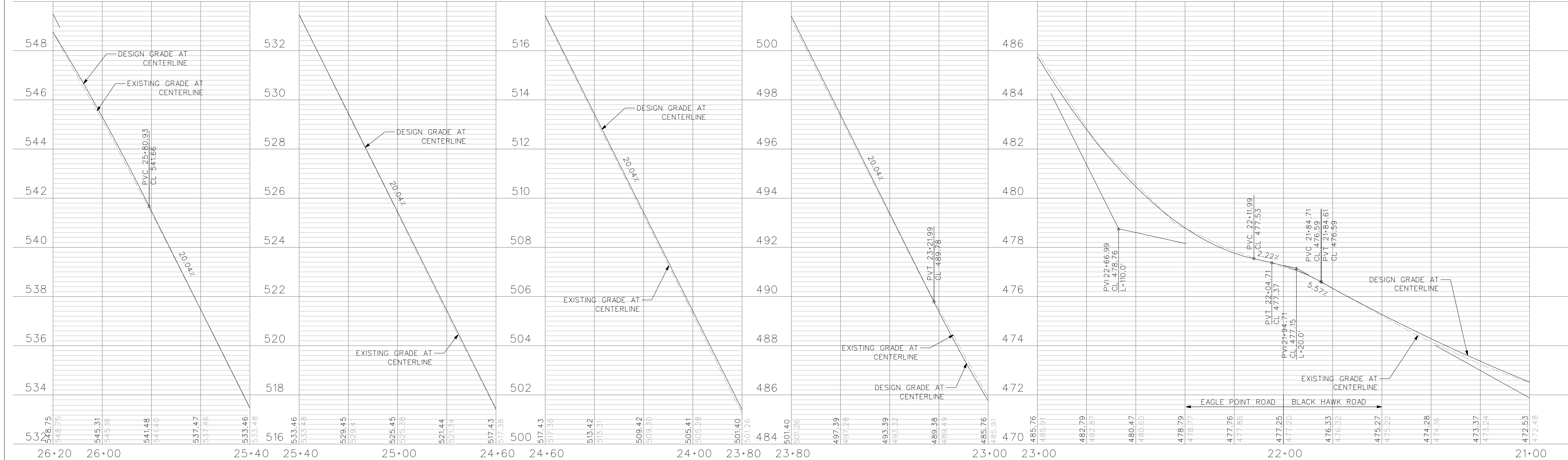
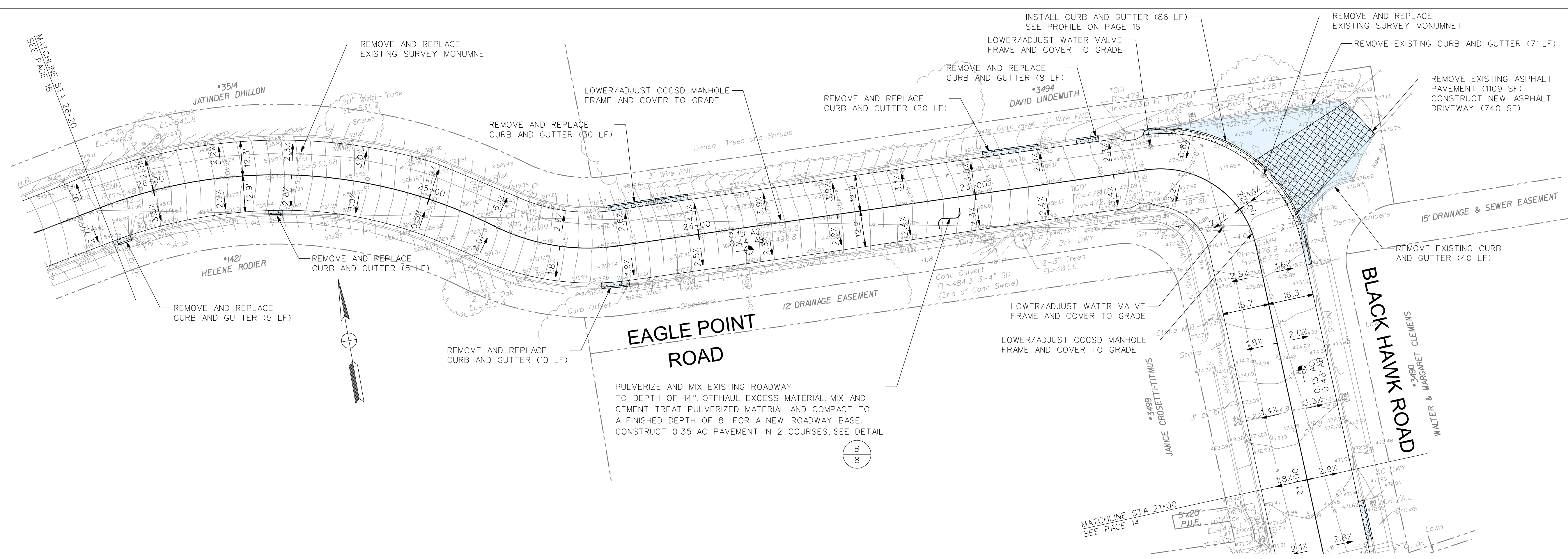
Tony Coe, Engineering Services Manager
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CITY OF LAFAYETTE
 PROJECT NO. 014-9698

2014 ROAD REHABILITATION PROJECT
 CONTRA COSTA COUNTY CALIFORNIA

BLACK HAWK ROAD
 PLAN AND PROFILE

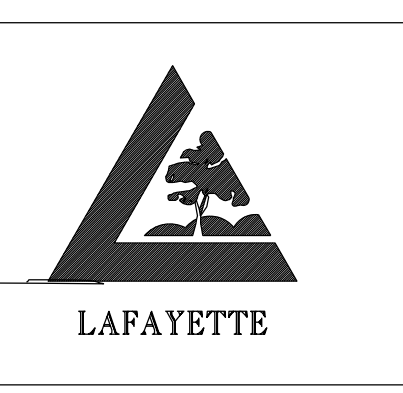
SCALE: H:1"=20' V:1"=1'
 SHEET 14 of 67



DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 4-10-14

SIGN: *[Signature]*
 DATE: 4-10-14

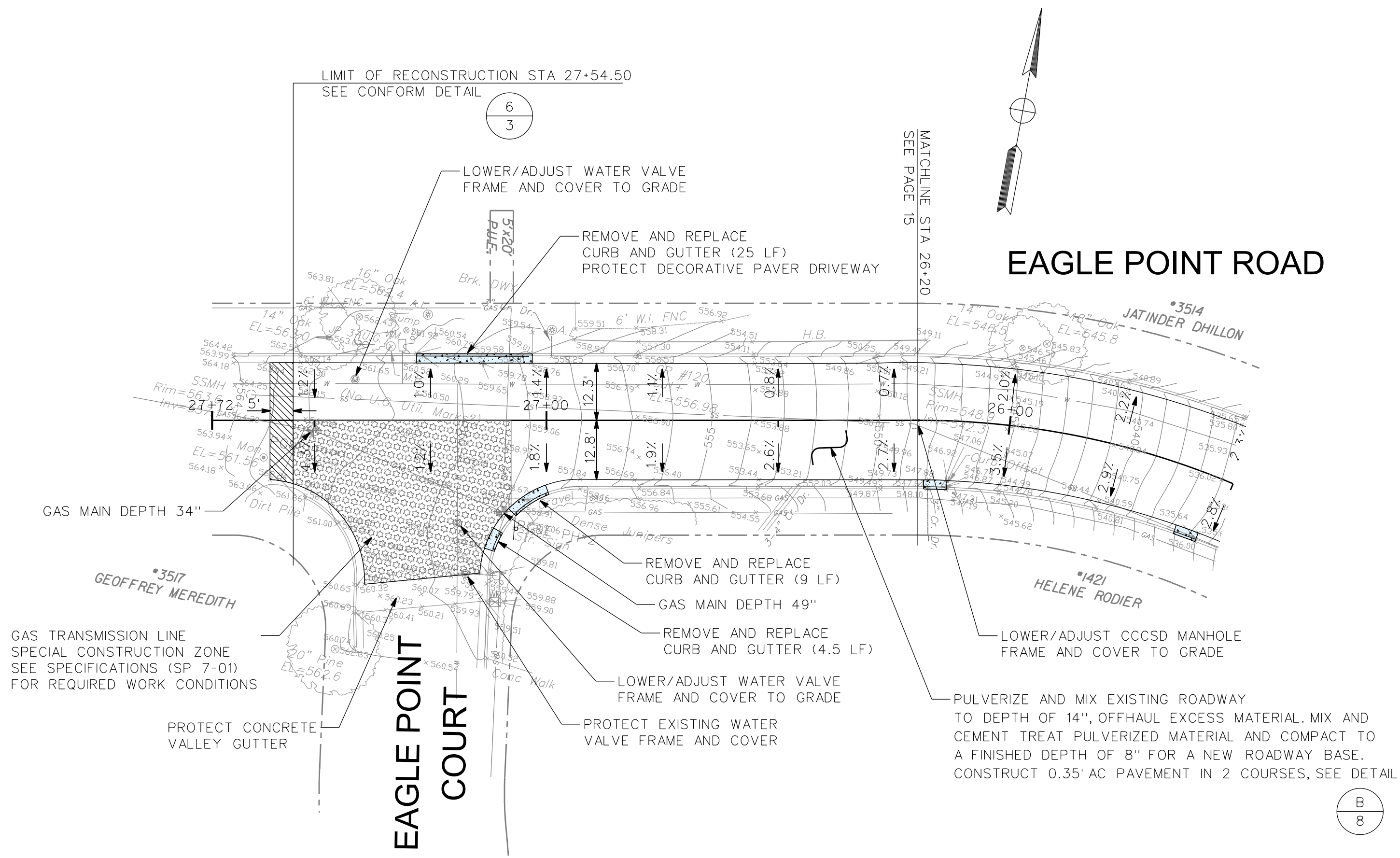


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[Signature]
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 Date: 4-10-14

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BLACK HAWK ROAD AND
 EAGLE POINT ROAD
 PLAN AND PROFILE
 SCALE: H:1"=20' V:1"=1'
 SHEET 15 of 67



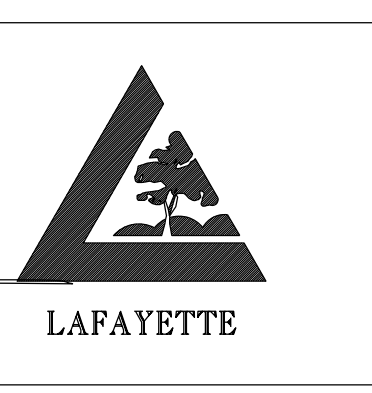
B
8



DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 4-10-14

SIGN: *John W. Luttrupp*
 DATE: 4-10-14



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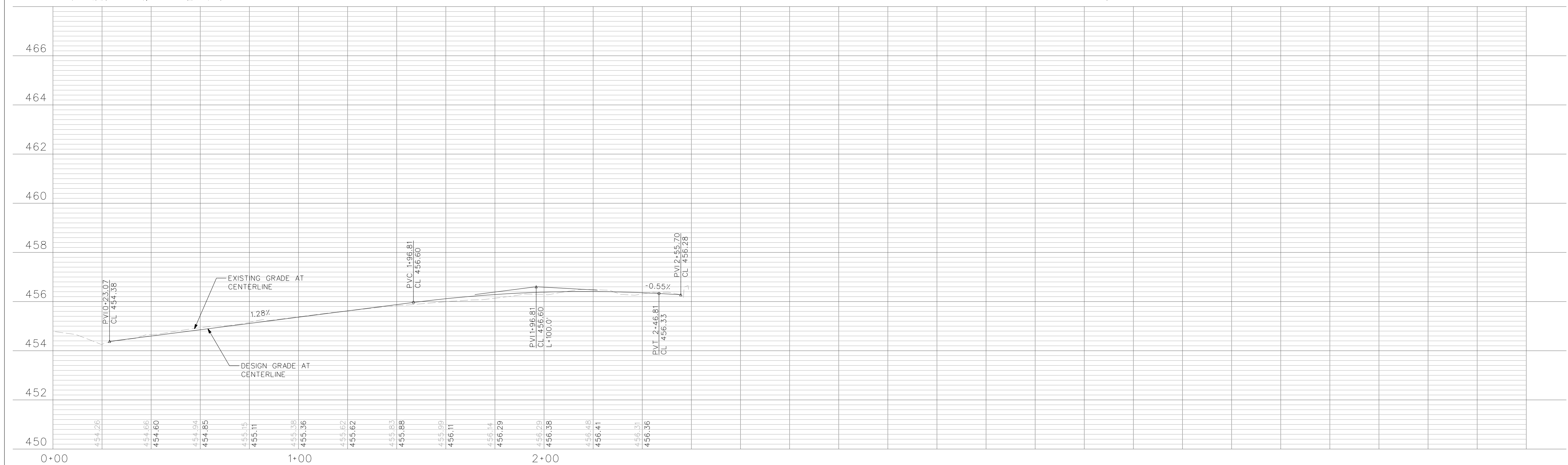
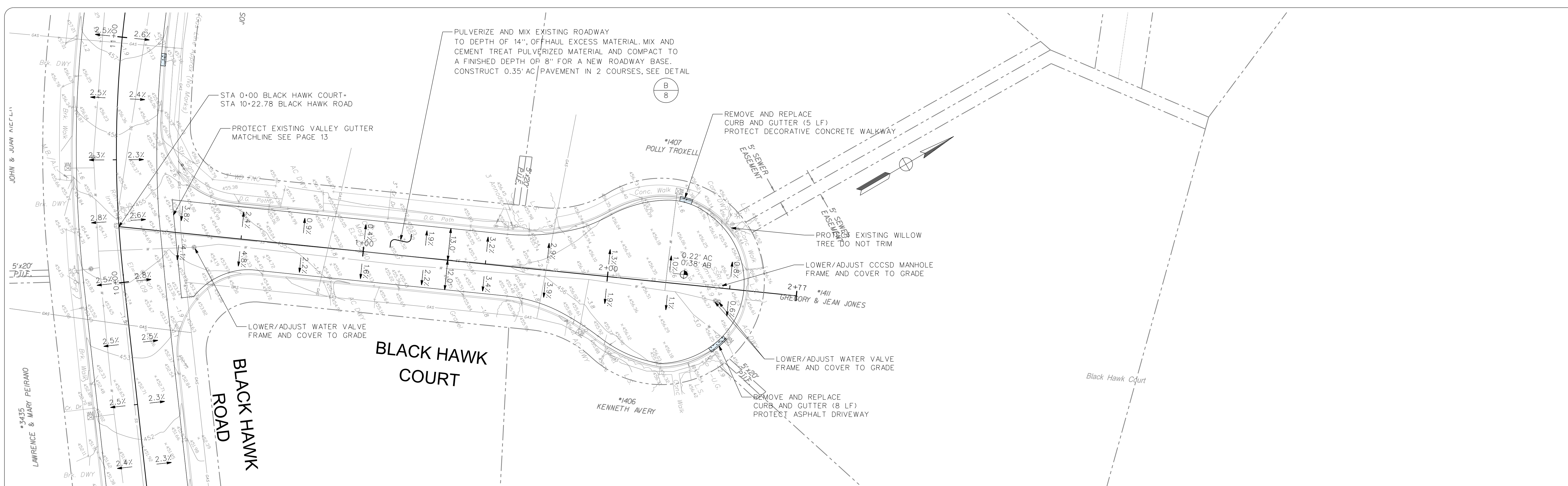
Tony Coe
 Tony Coe, Engineering Services Manager
 Date: 4-10-14

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 PROJECT NO. 014-9698

2014 ROAD REHABILITATION PROJECT
 CONTRA COSTA COUNTY CALIFORNIA

EAGLE POINT ROAD
 PLAN AND PROFILE

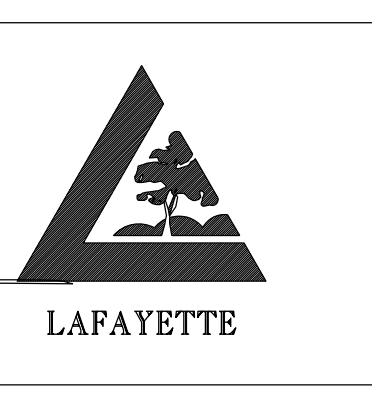
SCALE: H:1"=20' V:1"=1'
 SHEET 16 of 67



DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
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SIGN: *[Signature]*
 DATE: 4-10-14

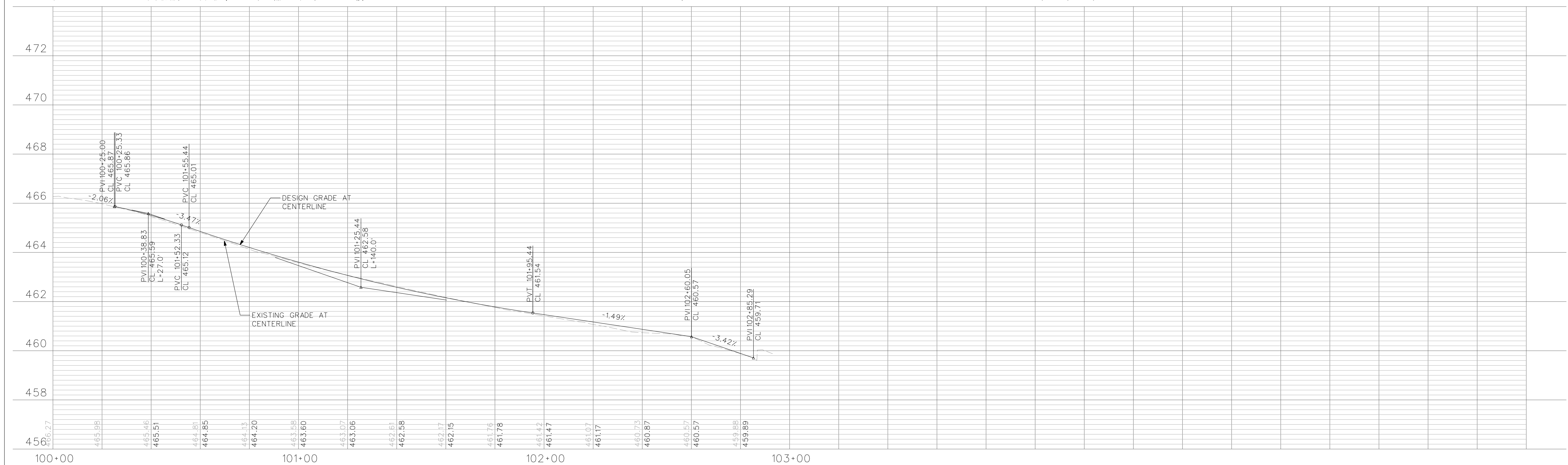
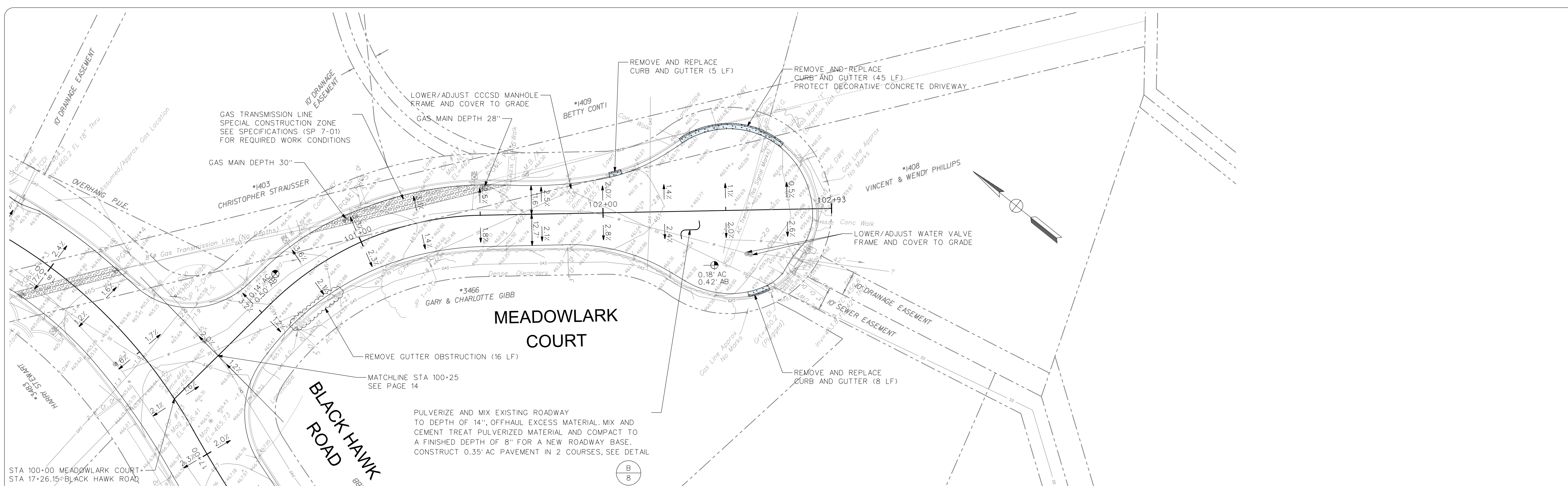


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 PROJECT NO. 014-9698
 2014 ROAD REHABILITATION PROJECT
 CONTRA COSTA COUNTY CALIFORNIA

BLACK HAWK COURT
 PLAN AND PROFILE
 SCALE: H:1"=20' V:1"=1'
 SHEET 17 of 67




DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 4-10-14

SIGN: 
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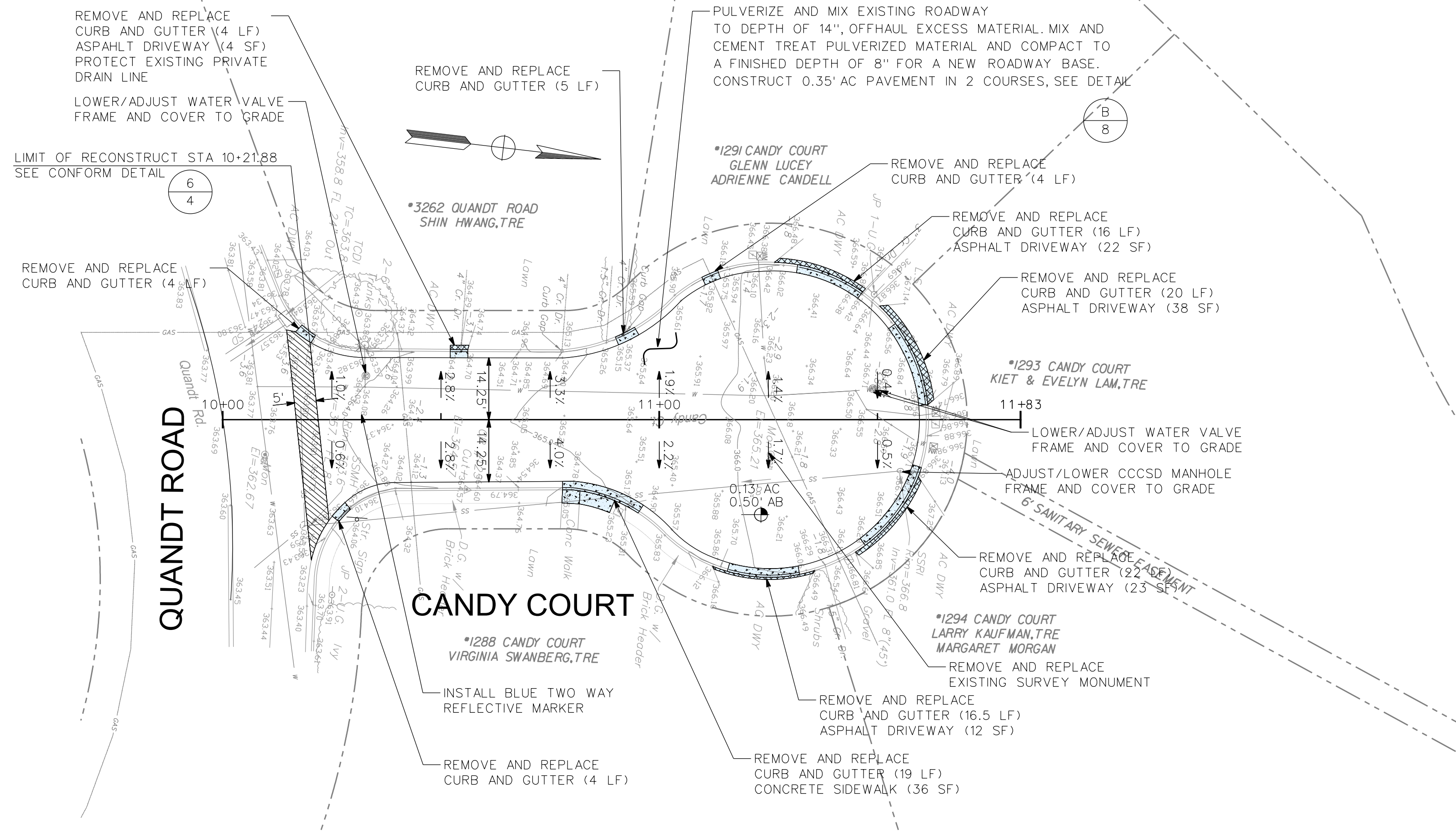



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 Date: 4-10-14

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 PROJECT NO. 014-9698
 2014 ROAD REHABILITATION PROJECT
 CONTRA COSTA COUNTY CALIFORNIA

MEADOWLARK COURT
 PLAN AND PROFILE
 SCALE: H:1"=20' V:1"=1'
 SHEET 18 of 67



DATE	MARK	REVISION	INIT.

Designed by: JML
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SIGN:
 DATE: 4-10-14



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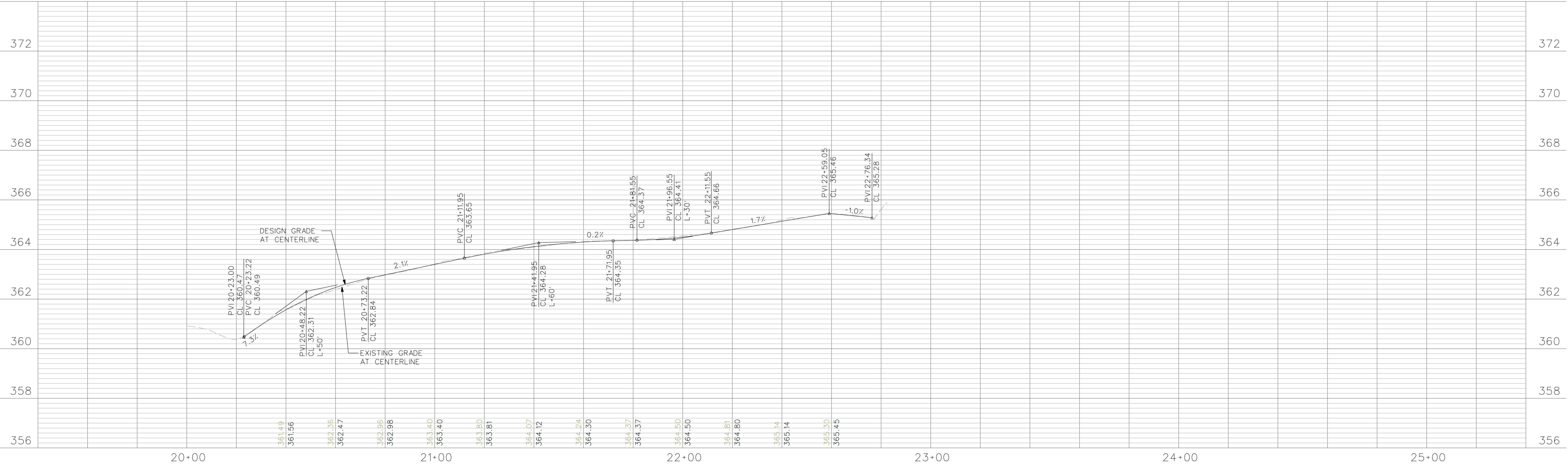
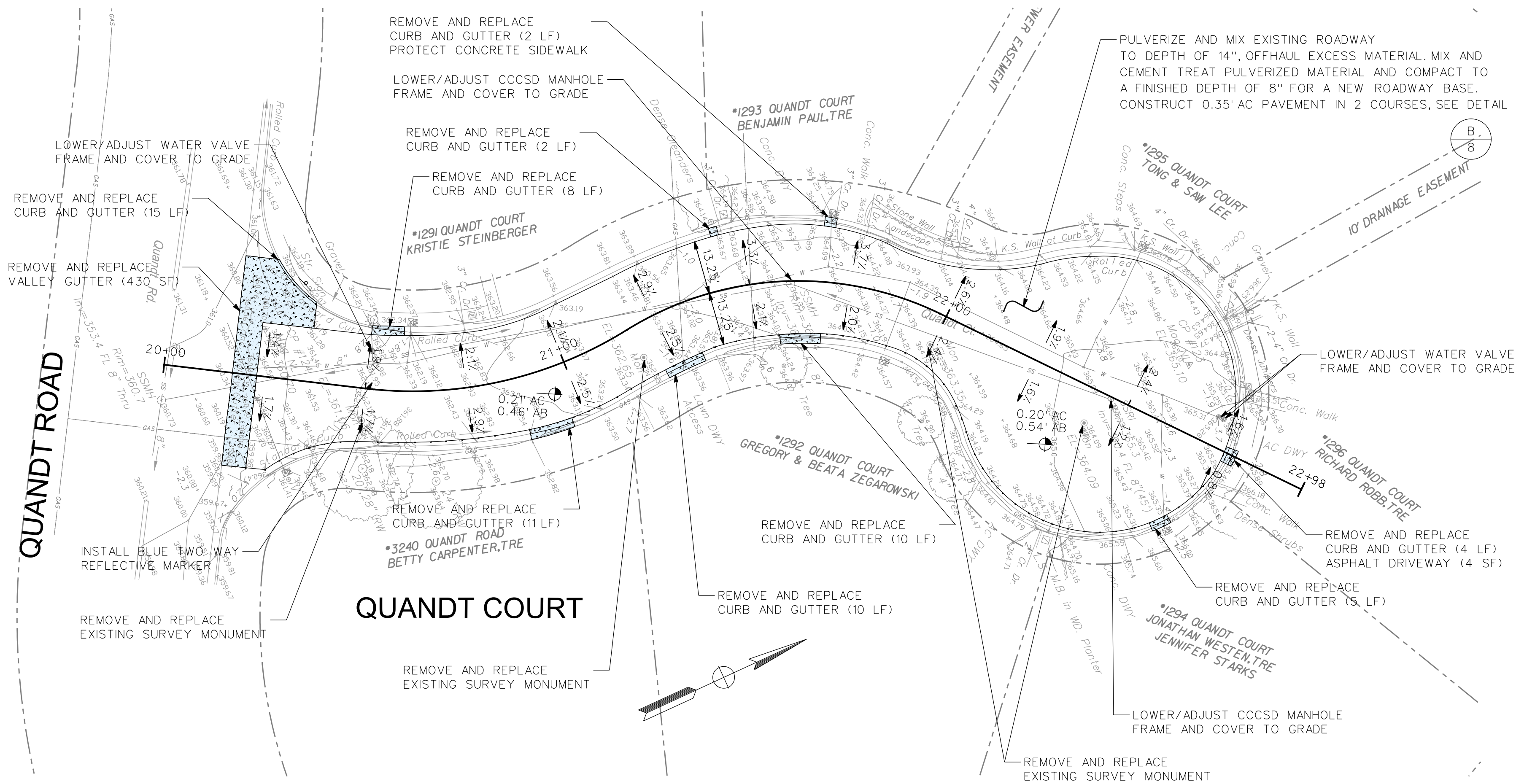
Tony Coe, Engineering Services Manager
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 PROJECT NO. 014-9698

2014 ROAD REHABILITATION PROJECT
 CONTRA COSTA COUNTY CALIFORNIA

CANDY COURT
 PLAN AND PROFILE

SCALE: H:1"=20' V:1"=1'
 SHEET 19 of 67



DATE	MARK	REVISION	INIT.

Designed by: JML
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 Checked by: MJM
 Reviewed by: FKS
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 DATE: 4-10-14

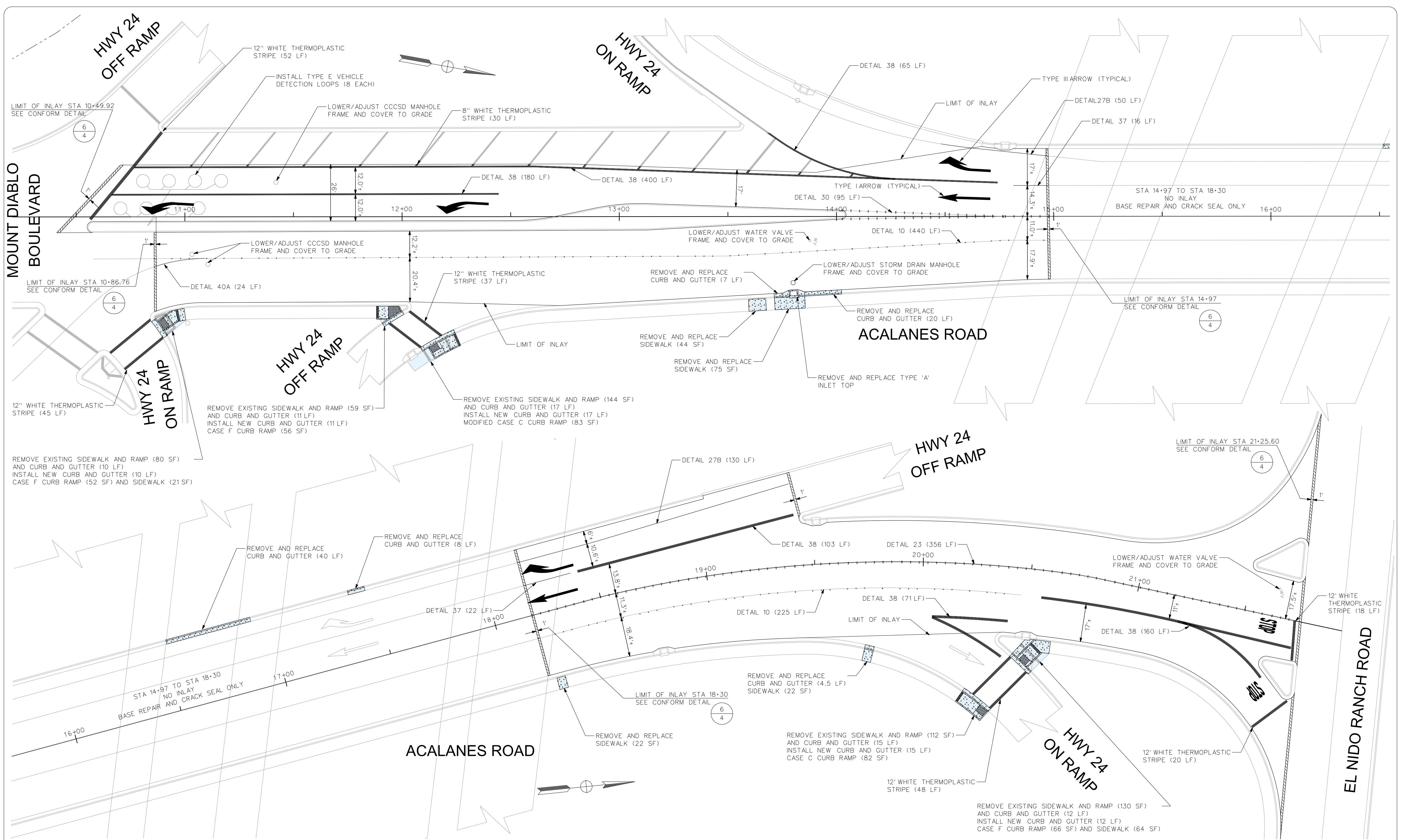


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 PROJECT NO. 014-9698
 2014 ROAD REHABILITATION PROJECT
 CONTRA COSTA COUNTY CALIFORNIA

QUANDT COURT
 PLAN AND PROFILE
 SCALE: H:1"=20' V:1"=1'
 SHEET 20 of 67



DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
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SIGN: *[Signature]*
 DATE: 4-10-14

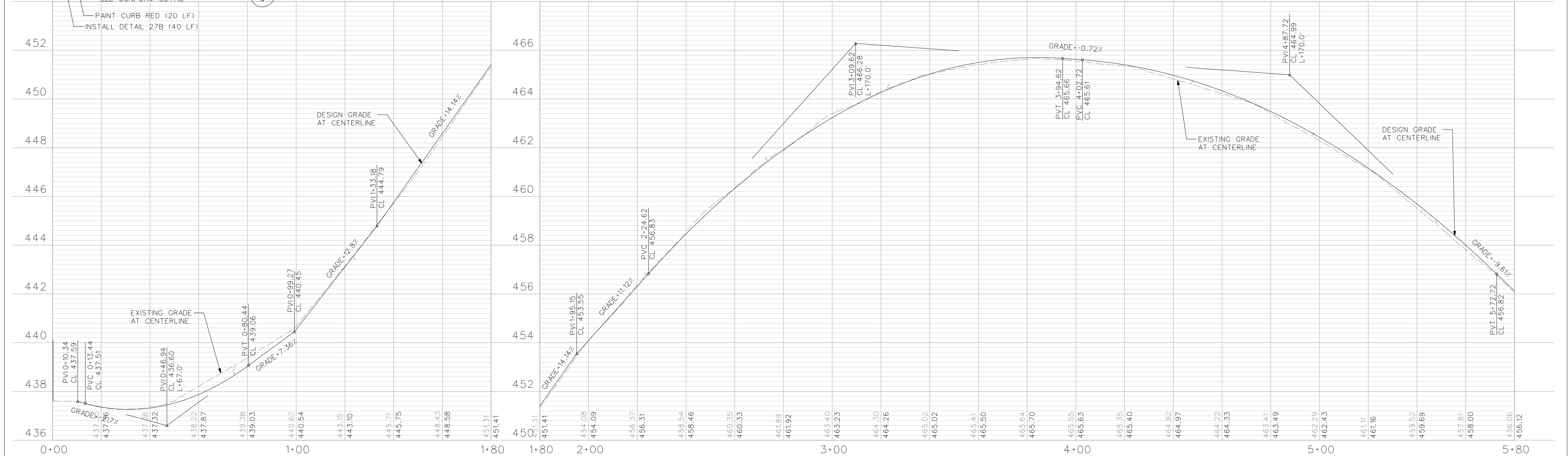
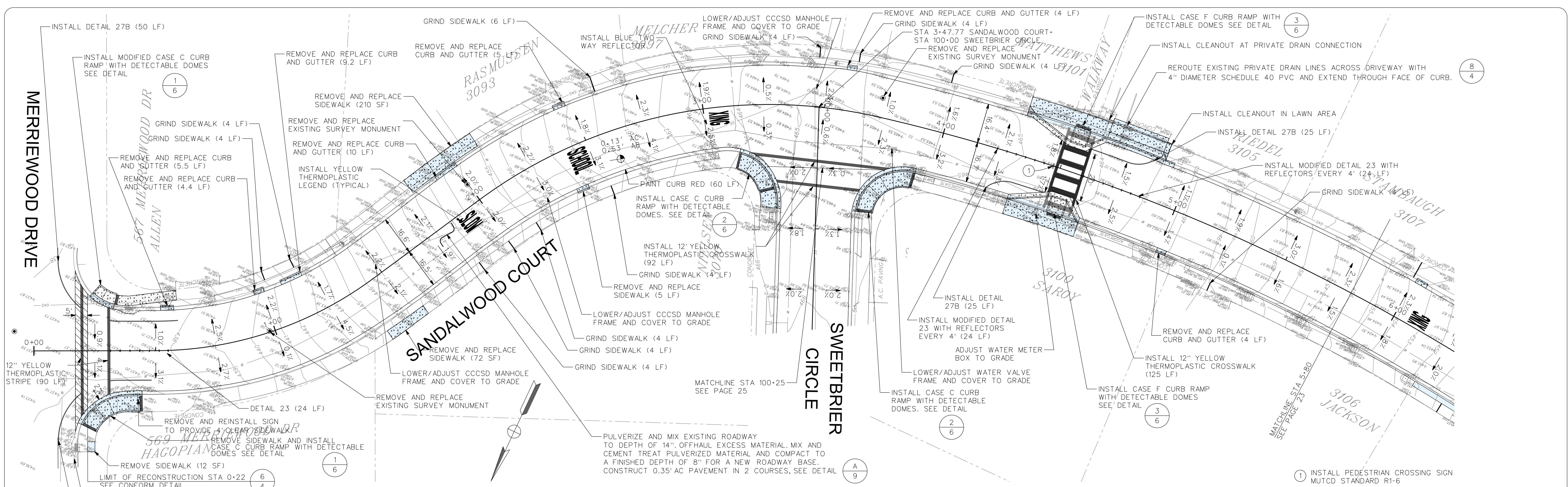


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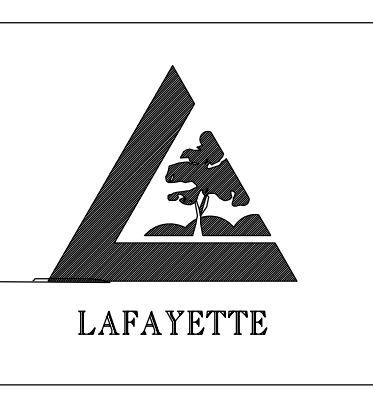
CITY OF LAFAYETTE
 PROJECT NO. 014-9698
 2014 ROAD REHABILITATION PROJECT
 CONTRA COSTA COUNTY CALIFORNIA

ACALANES ROAD
 PLAN
 SCALE: 1"=20'
 SHEET 21 of 67



DATE	MARK	REVISION	INIT.

Designed by: JML
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 Checked by: MJM
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 Date: 4-10-14

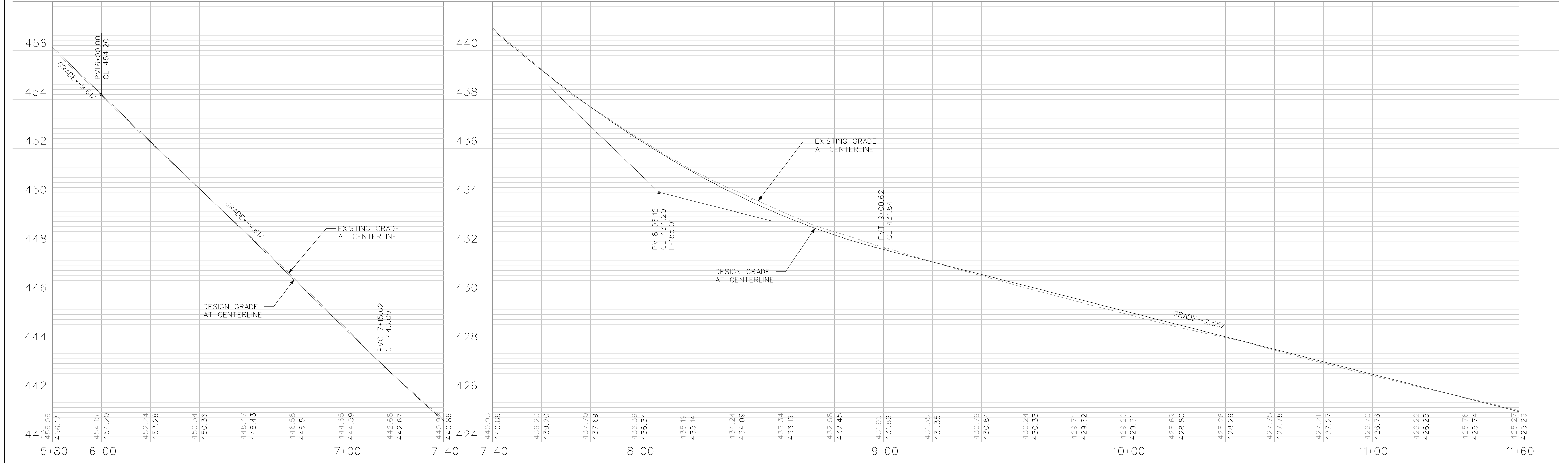
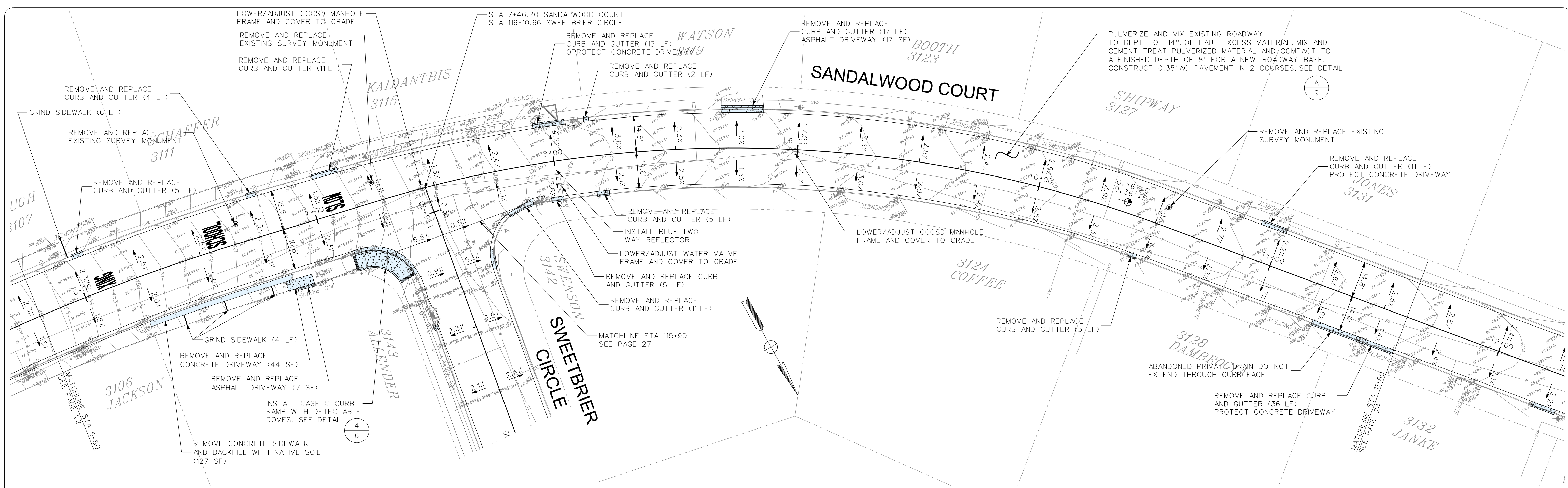


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 CONTRA COSTA COUNTY CALIFORNIA

SANDALWOOD COURT
 PLAN AND PROFILE
 SCALE: H-1"=20' V-1"=1'
 SHEET 22 of 67



DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 4-10-14

SIGN: *[Signature]*
 DATE: 4-10-14

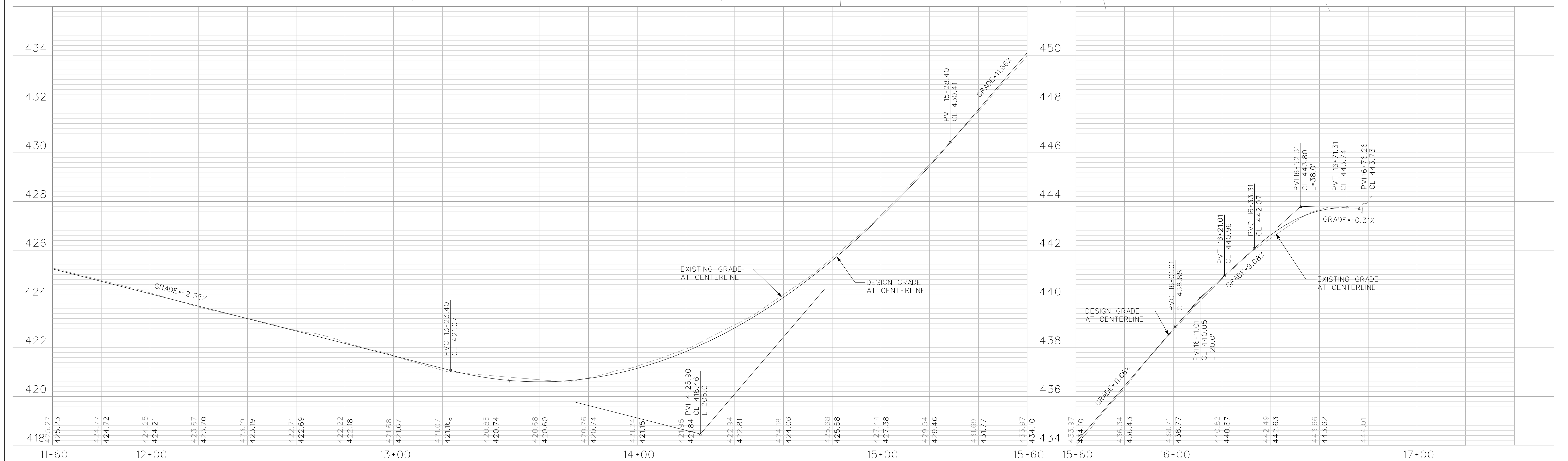
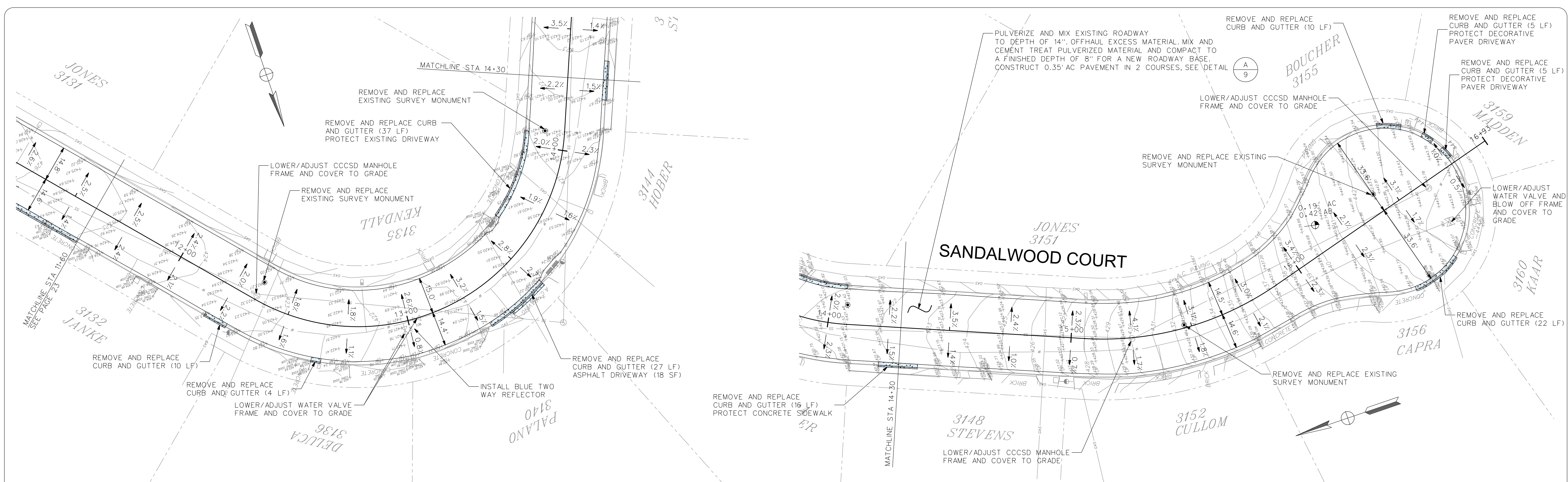


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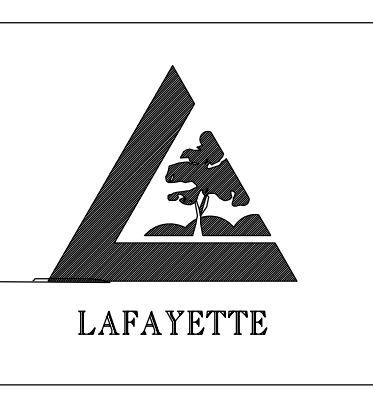
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 PROJECT NO. 014-9698
 2014 ROAD REHABILITATION PROJECT
 CONTRA COSTA COUNTY CALIFORNIA

SANDALWOOD COURT
 PLAN AND PROFILE
 SCALE: H-1"=20' V-1"=1'
 SHEET 23 of 67



DATE	MARK	REVISION	INIT.

Designed by: JML
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 Reviewed by: FKS
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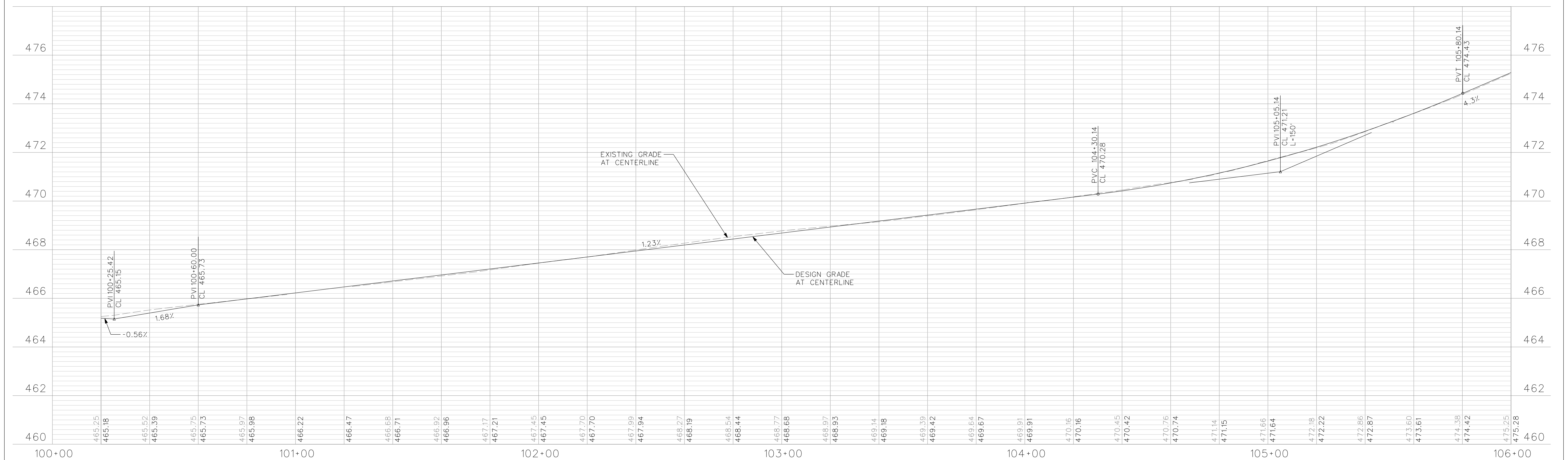
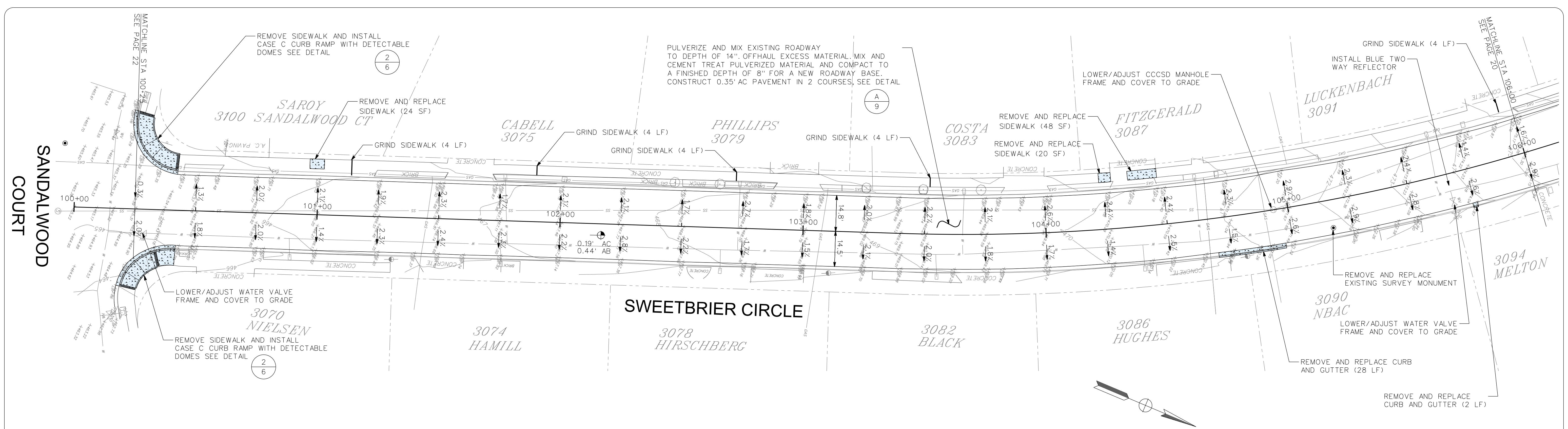


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 CONTRA COSTA COUNTY CALIFORNIA

SANDALWOOD COURT
 PLAN AND PROFILE
 SCALE: H:1"=20' V:1"=1'
 SHEET 24 of 67



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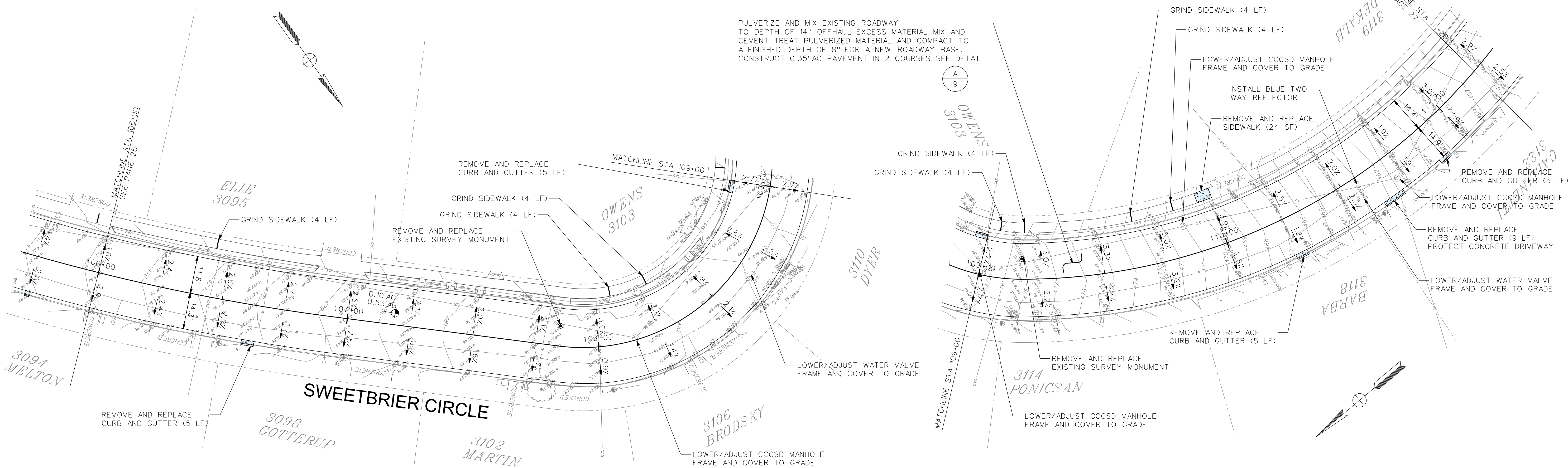
CITY OF LAFAYETTE
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 CONTRA COSTA COUNTY CALIFORNIA

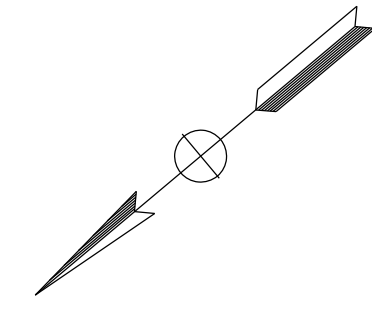
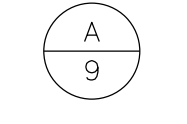
SWEETBRIER CIRCLE
 PLAN AND PROFILE

SCALE: H-1"=20' V-1"=1'

SHEET 25 of 67



PULVERIZE AND MIX EXISTING ROADWAY TO DEPTH OF 14". OFFHAUL EXCESS MATERIAL. MIX AND CEMENT TREAT PULVERIZED MATERIAL AND COMPACT TO A FINISHED DEPTH OF 8" FOR A NEW ROADWAY BASE. CONSTRUCT 0.35' AC PAVEMENT IN 2 COURSES, SEE DETAIL



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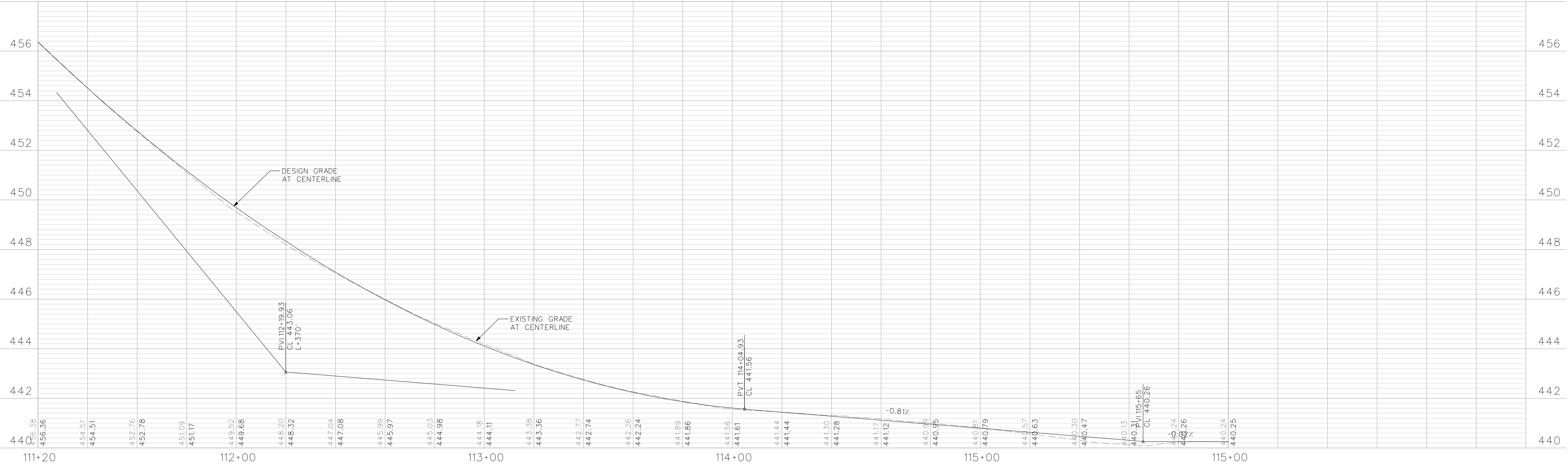
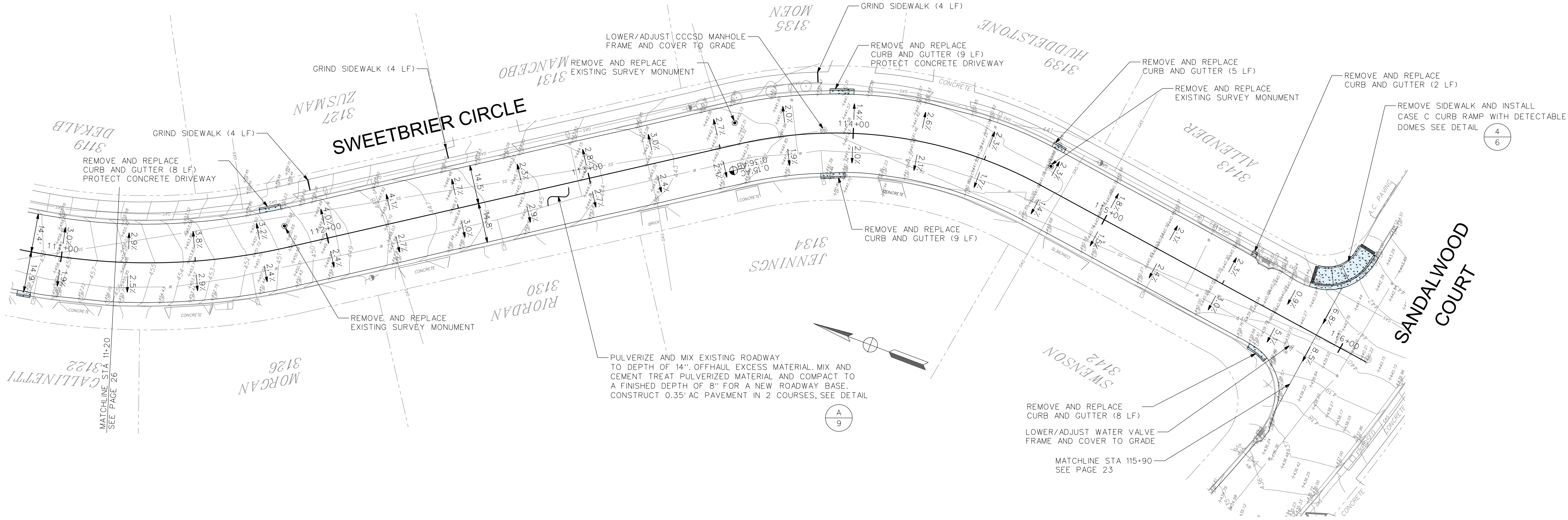
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SWEETBRIER CIRCLE
 PLAN AND PROFILE
 SCALE: H-1"=20' V-1"=1'
 SHEET 26 of 67



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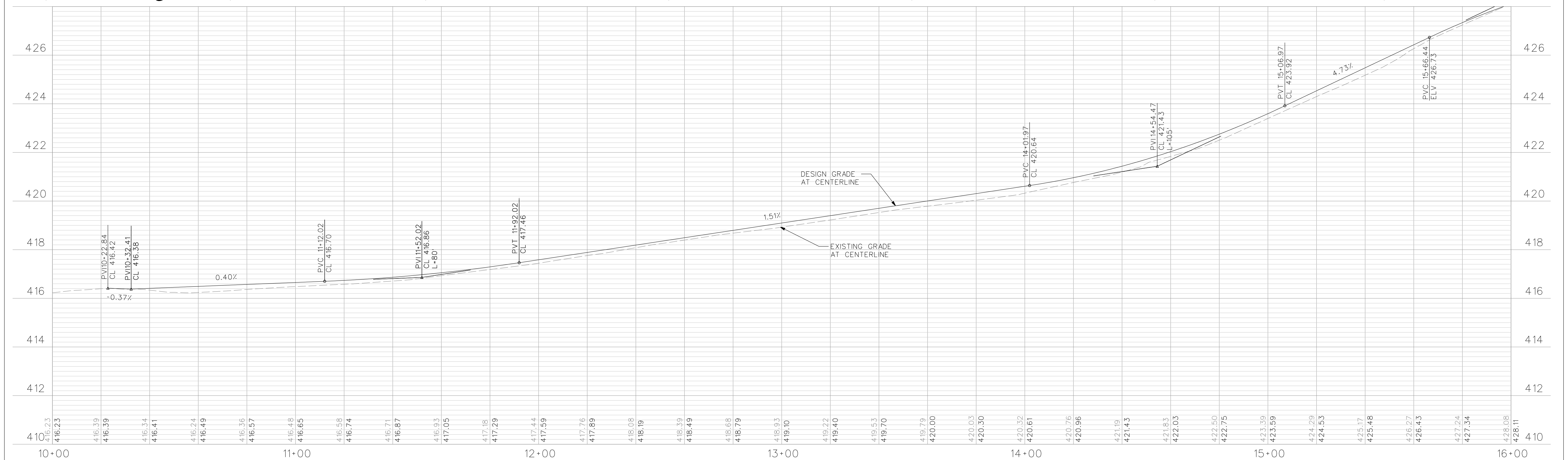
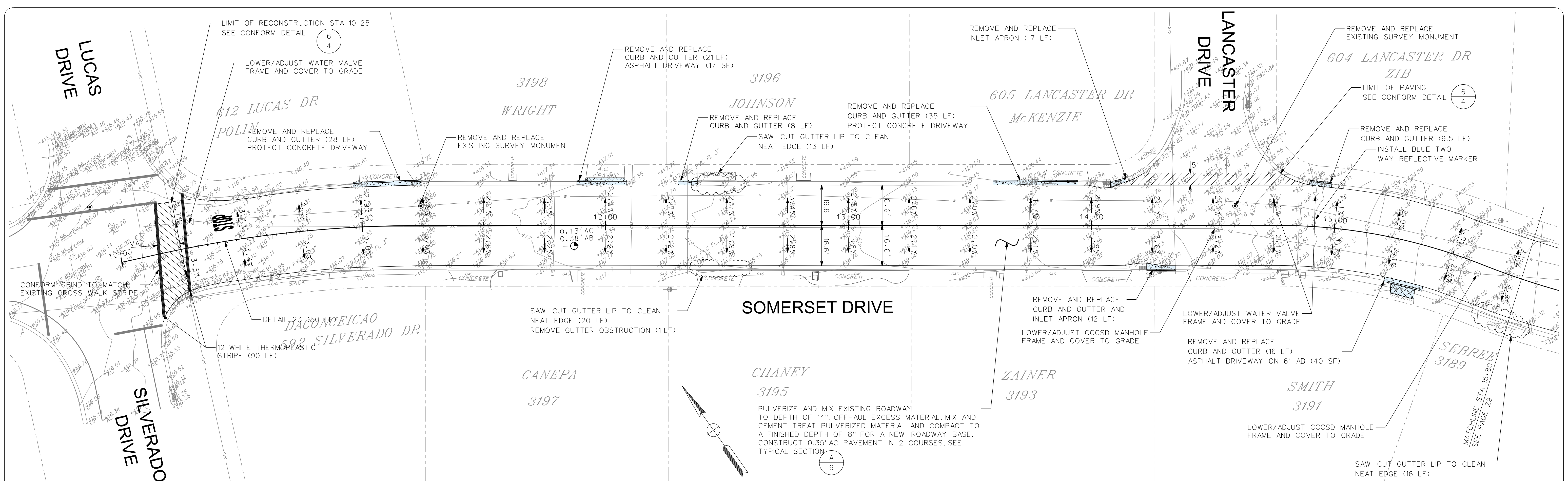


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SWEETBRIER CIRCLE
 PLAN AND PROFILE
 SCALE: H-1"=20' V-1"=1'
 SHEET 27 of 67



DATE	MARK	REVISION	INIT.

Designed by: JML
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 Reviewed by: FKS
 Date: 4-10-14

PROFESSIONAL ENGINEER
 JOHN W. LUTTROPP
 No. 55064
 Exp. 6/30/14
 CIVIL
 STATE OF CALIFORNIA
 SIGN: *[Signature]*
 DATE: 4-10-14

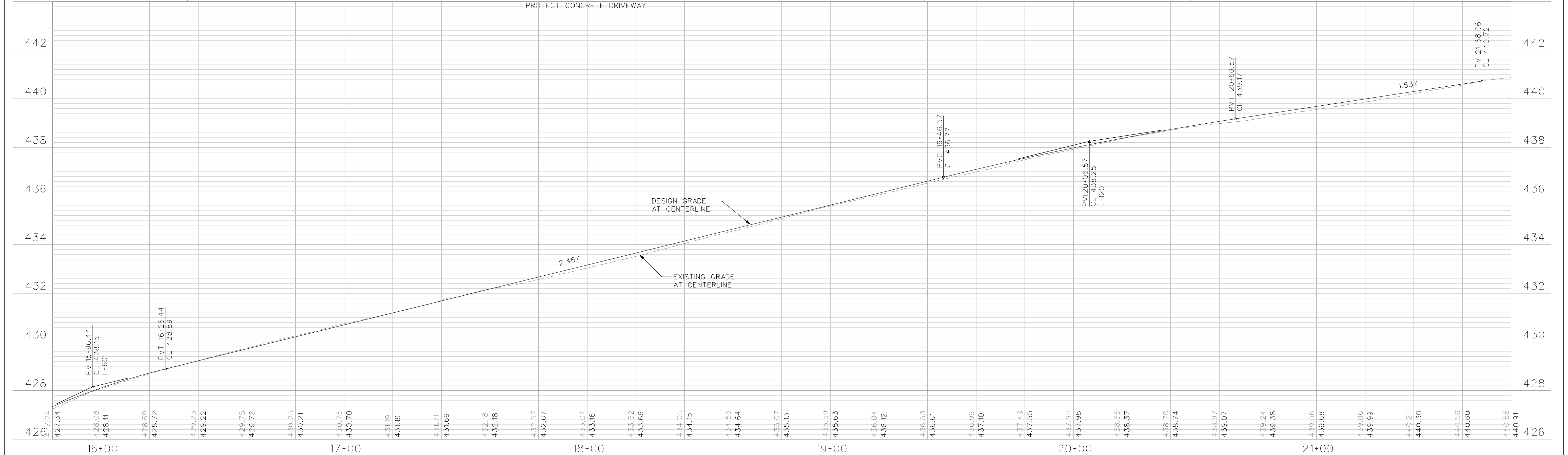
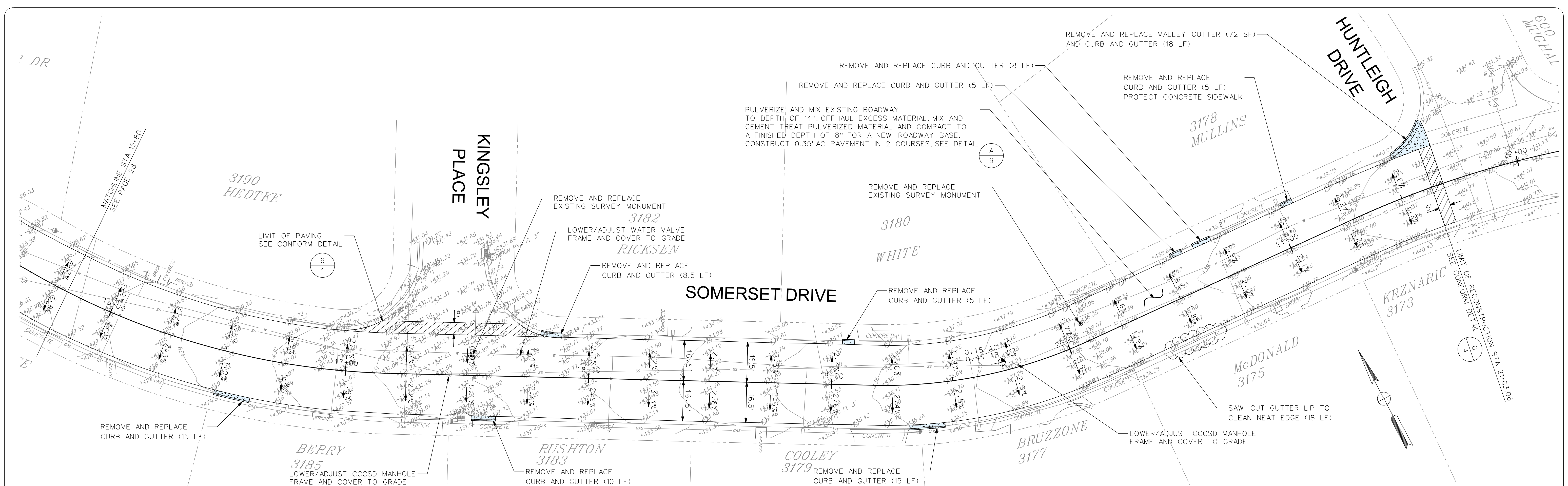


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SOMERSET DRIVE
 PLAN AND PROFILE
 SCALE: H:1"=20' V:1"=1'
 SHEET 28 of 67



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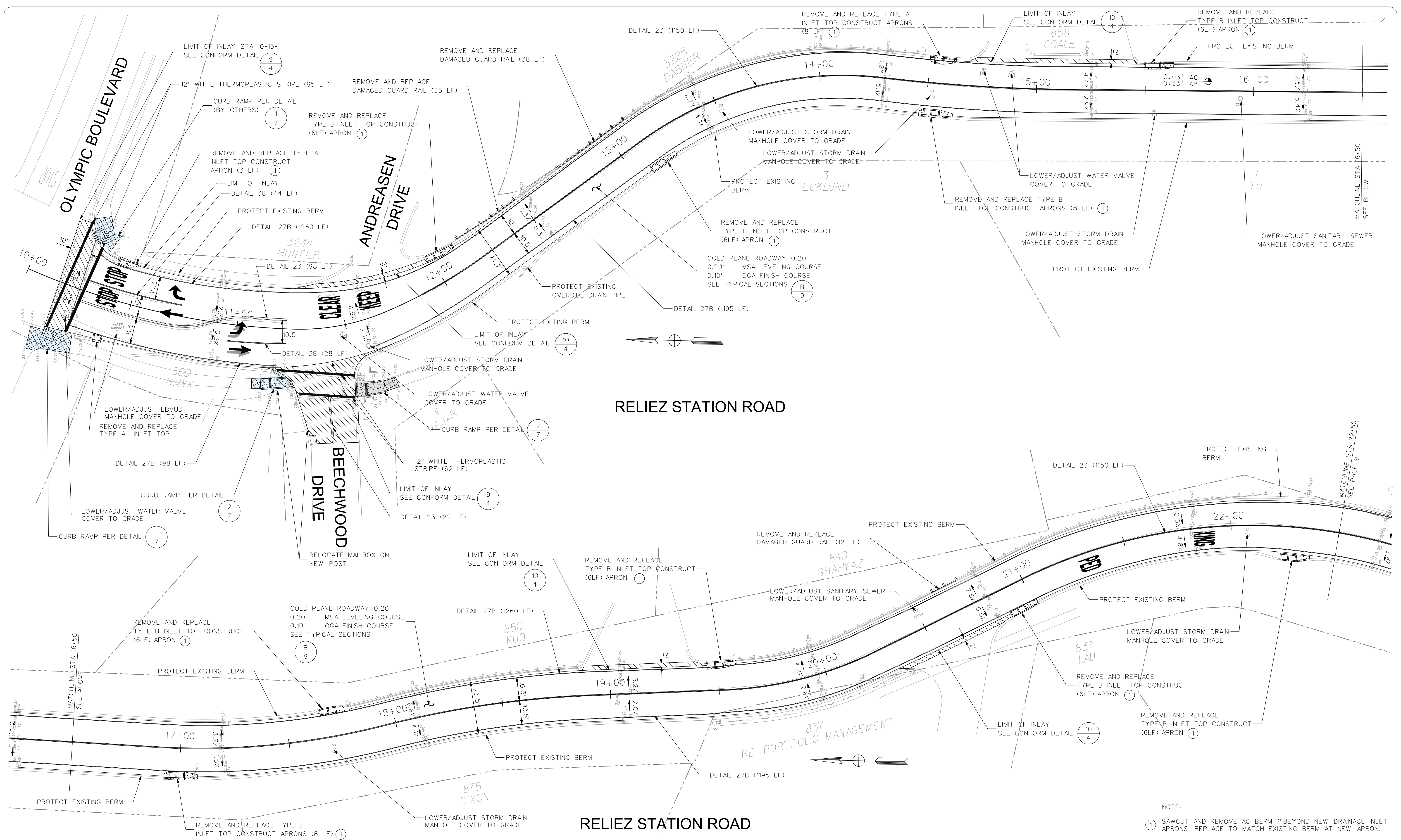


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SOMERSET DRIVE
 PLAN AND PROFILE
 SCALE: H-1"=20' V-1"=1'
 SHEET 29 of 67



NOTE:
 ① SAWCUT AND REMOVE AC BERM 1' BEYOND NEW DRAINAGE INLET APRONS. REPLACE TO MATCH EXISTING BERM AT NEW APRON.

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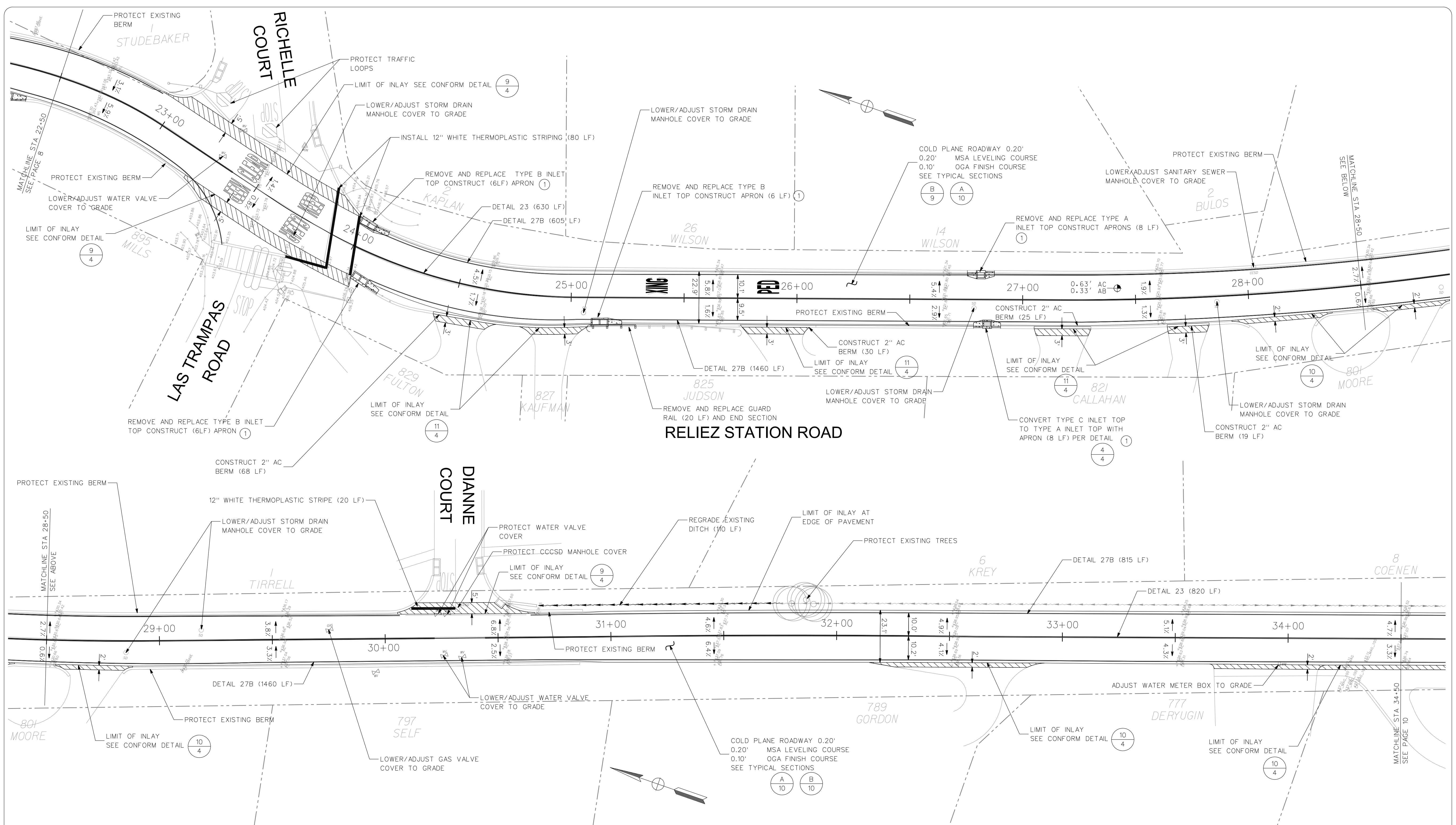


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RELIEZ STATION ROAD
 PLAN
 SCALE: H:1"=20'
 SHEET 30 of 67



RELIEZ STATION ROAD

RELIEZ STATION ROAD

NOTE:
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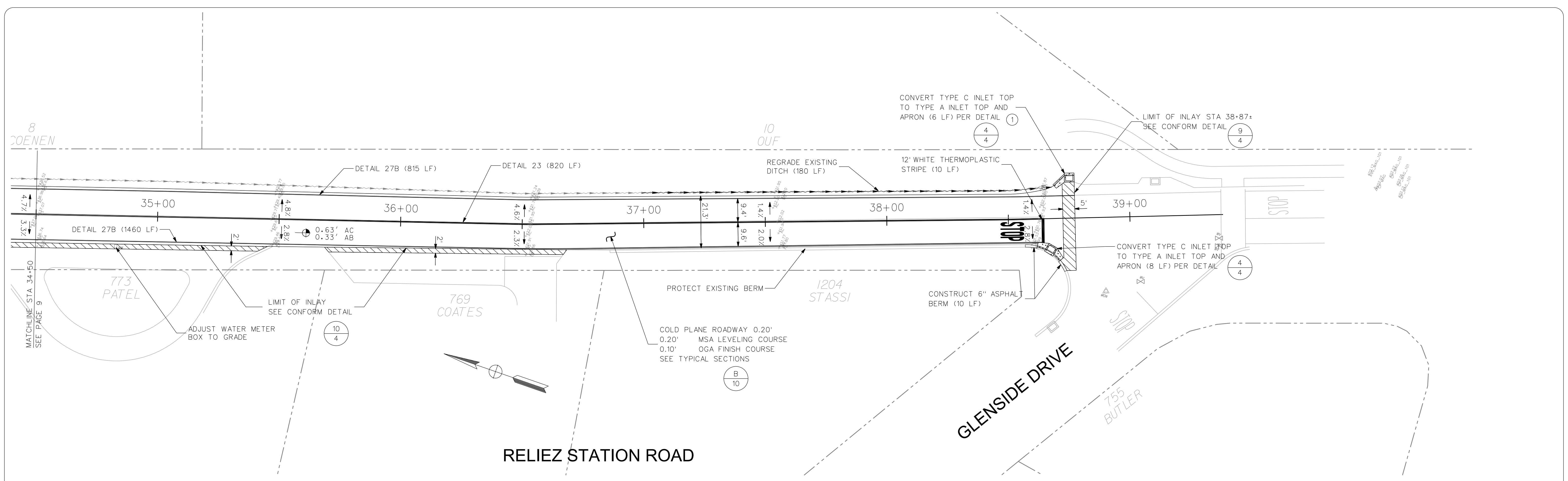


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RELIEZ STATION ROAD
 PLAN
 SCALE: H:1"=20'
 SHEET 31 of 67



NOTE:
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RELIEZ STATION ROAD
 PLAN
 SCALE: H-1"=20'
 SHEET 32 of 67