

CITY OF LAFAYETTE

2013 CITYWIDE ROAD RECONSTRUCTION PROJECT PROJECT NUMBER 014-9694

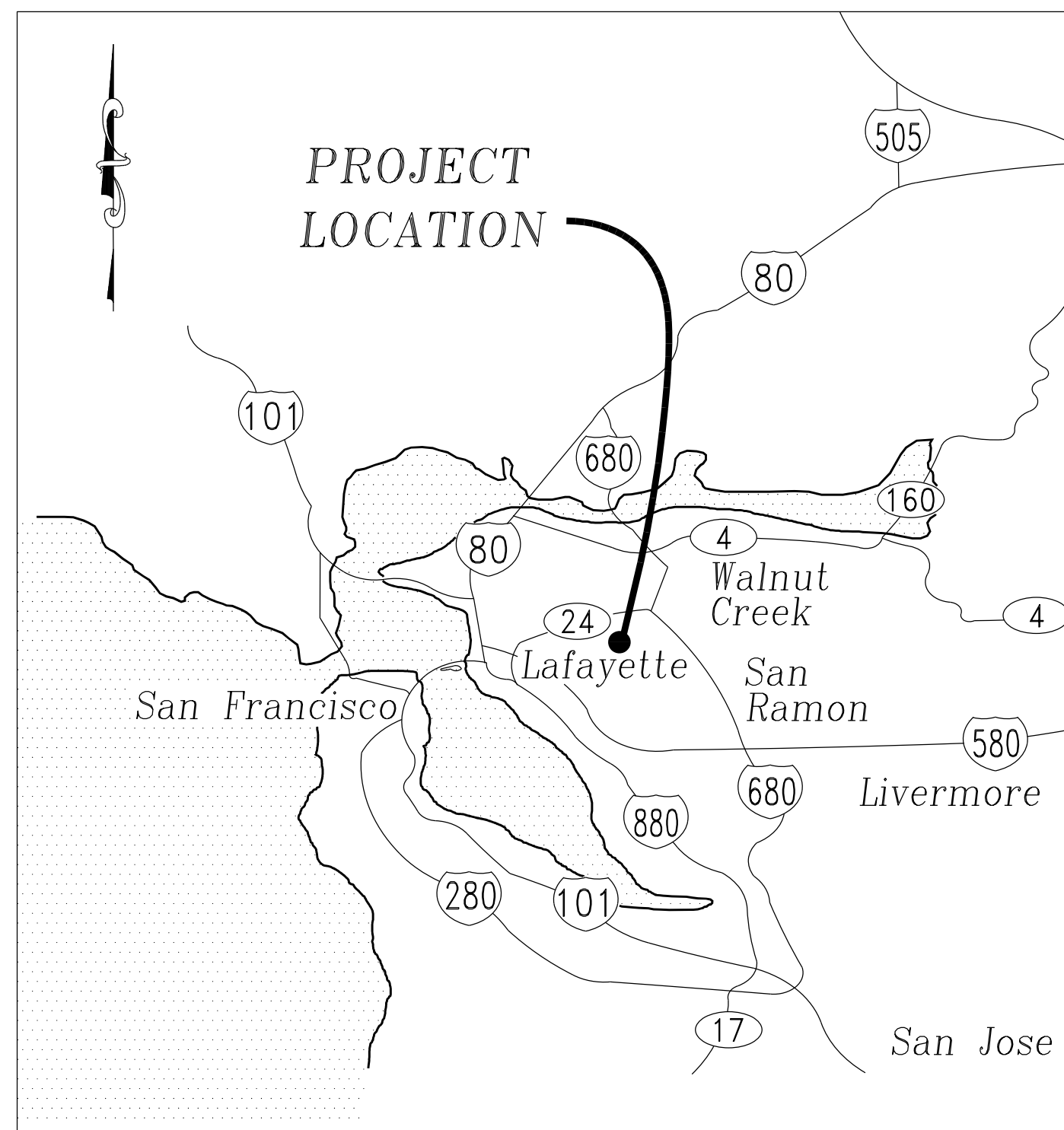
ABBREVIATIONS:

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),EX,EXIST	EXISTING
F,C,F,C	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
OH	OVERHEAD
PCC	POINT OF COMPOUND CURVE
PVC	POINT OF CURVATURE VERTICAL CURVE
PVIC	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
STD'S	STANDARDS
TYP	TYPICAL
T/C, TC	TOP OF CURB
(V), VERT	VERTICAL
VCP	VITRIFIED CLAY PIPE
W	WATER
WM	WATER METER
WV	WATER VALVE

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:

CENTRAL CONTRA COSTA SANITARY DISTRICT	(925) 228-9500
EAST BAY MUNICIPAL UTILITY DISTRICT (WATER)	(510) 287-0834
AT&T (TELEPHONE)	(415) 542-9000
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 MAINTANCE 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.
- AC BERMS ARE ALSO REFERENCED AS AC DIKES.



VICINITY MAP
NTS

APPLICABLE STANDARD PLANS

INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

CALTRANS STANDARD PLANS (DATED JULY 2002)

A20 A,B,C	PAVEMENT MARKERS AND TRAFFIC LINES, TYPICAL DETAILS
A24 D	PAVEMENT MARKINGS, ARROWS, SYMBOLS, NUMERALS, WORDS AND CROSSWALKS
A87 B	ASPHALT CONCRETE DIKES

CONTRA COSTA COUNTY STANDARD DETAILS (LATEST EDITION)

CA20i	DRIVEWAY DESIGN STANDARDS
CA40i	STREET SURVEY MONUMENT
CA7i	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
CD06i	SIDEWALK CROSS DRAIN AND RESIDENTIAL SIDEWALK DRAIN
CD11i	INLET FRAME AND GRATE
CD16i	STANDARD MANHOLE ON EXISTING TYPE "C" INLET BASE
CD20i	TYPE "A" INLET
CD21i	TYPE "B" INLET
CD22i	TYPE "C" INLET
CD30i	PRECAST MANHOLE, TYPE I BASE, FRAME AND COVER

EAST BAY MUNICIPAL UTILITY DISTRICT

G5	VALVE BOX WITH CAST IRON TRAFFIC LID
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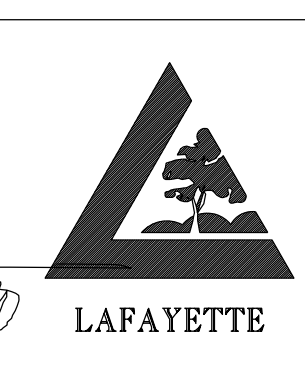
SHEET INDEX:

NO.	DESCRIPTION
1	TITLE SHEET
2	LOCATION MAP AND CONSTRUCTION AREA SIGNS
3	CONSTRUCTION DETAILS
4	CONSTRUCTION DETAILS
5	CONSTRUCTION DETAILS
6	TYPICAL SECTIONS
7	TYPICAL SECTIONS
8	TYPICAL SECTIONS
9	FIORA PLACE PLAN AND PROFILE
10	VALLECITO COURT PLAN AND PROFILE
11	LEROY WAY PLAN AND PROFILE
12	LEROY WAY PLAN AND PROFILE
13	MARGUERITE COURT PLAN AND PROFILE
14	VIA ROBLE PLAN AND PROFILE
15	VIA ROBLE PLAN AND PROFILE
16	VIA ROBLE PLAN AND PROFILE
17	VIA ROBLE PLAN AND PROFILE
18	JENNIE COURT PLAN AND PROFILE
19	MANZANA PLACE PLAN AND PROFILE
20	MARYOLA COURT PLAN AND PROFILE
21	MARYOLA COURT PLAN AND PROFILE
22	MARS COURT PLAN AND PROFILE
23	BUCKEYE COURT PLAN AND PROFILE
24	CUL-DE-SAC EDGE OF PAVEMENT PROFILES
25	STORM DRAIN PROFILE

DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 3-25-13

REGISTERED PROFESSIONAL ENGINEER
 JOHN M. LUTTROPP
 No. 55064
 Exp. 6/30/14
 State of California
 SIGN: *[Signature]*
 DATE: 3-25-13

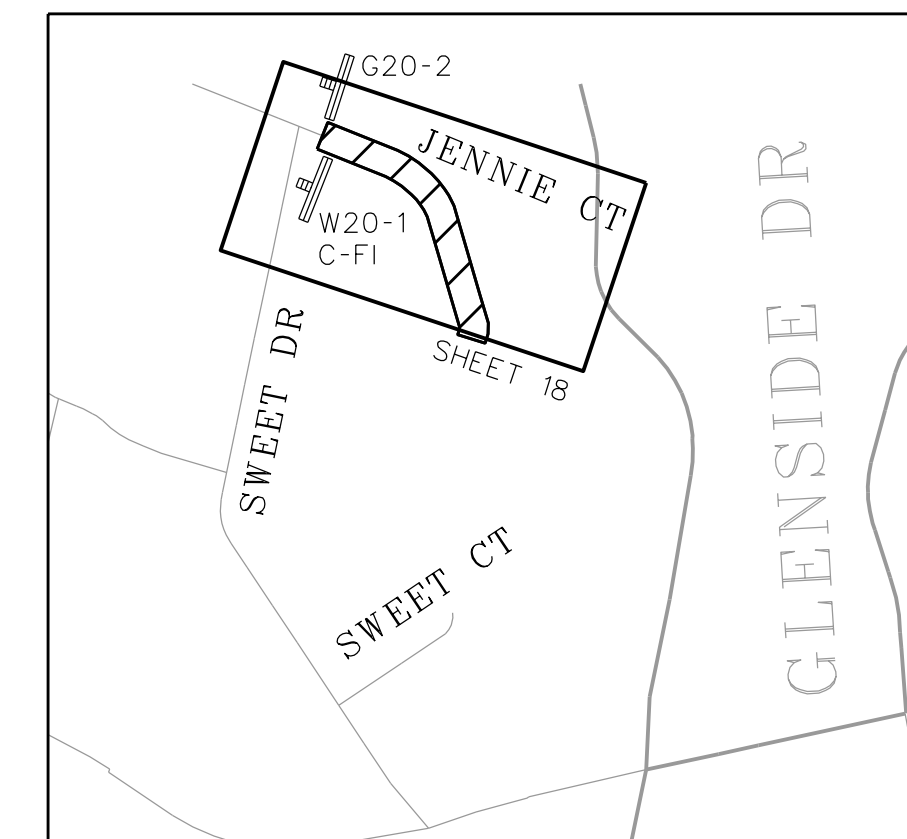
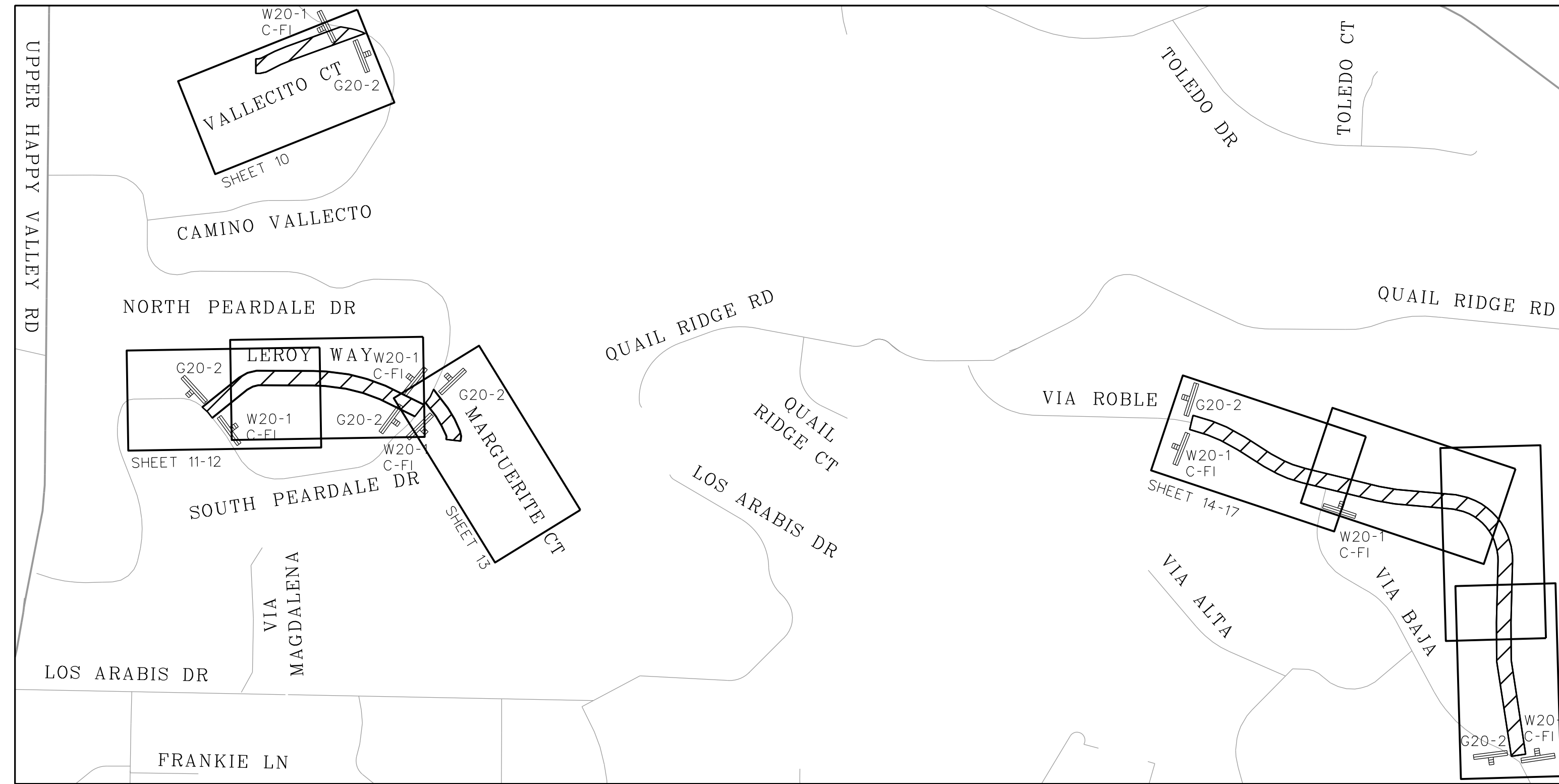
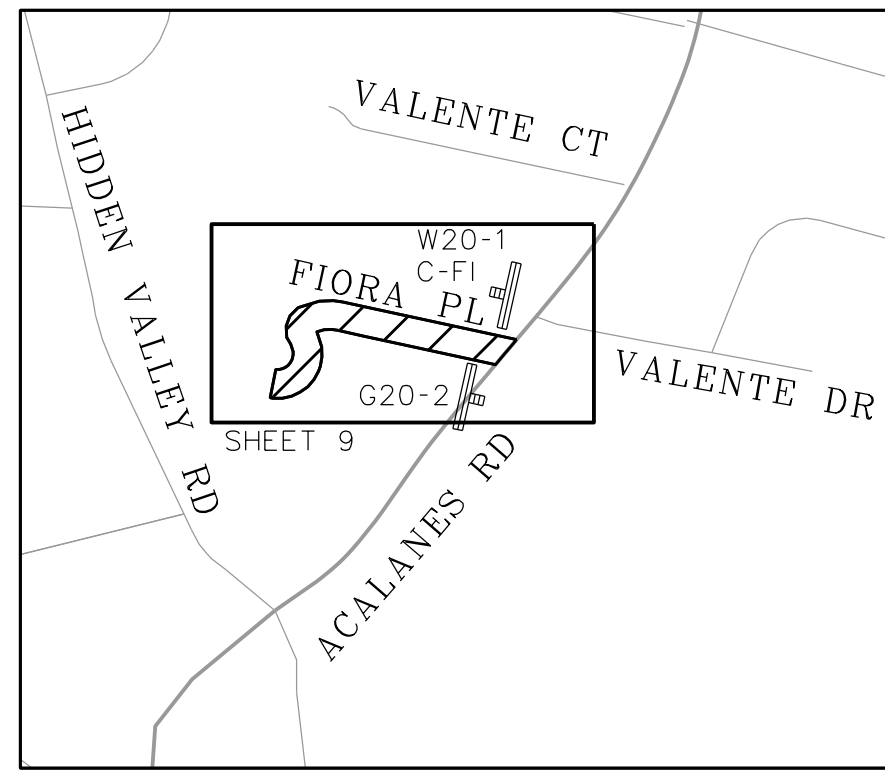


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 Lafayette, California, 94549-1968
 (925) 299-3217 Fax (925) 284-3169
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 CITY OF LAFAYETTE
[Signature]
 Tony Coe, Engineering Services Manager
 Date: 3-25-13

CITY OF LAFAYETTE
 PROJECT NO. 014-9694
 2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

TITLE SHEET AND
 CONSTRUCTION AREA SIGNS
 SCALE: NTS
 SHEET No. 1 of 25

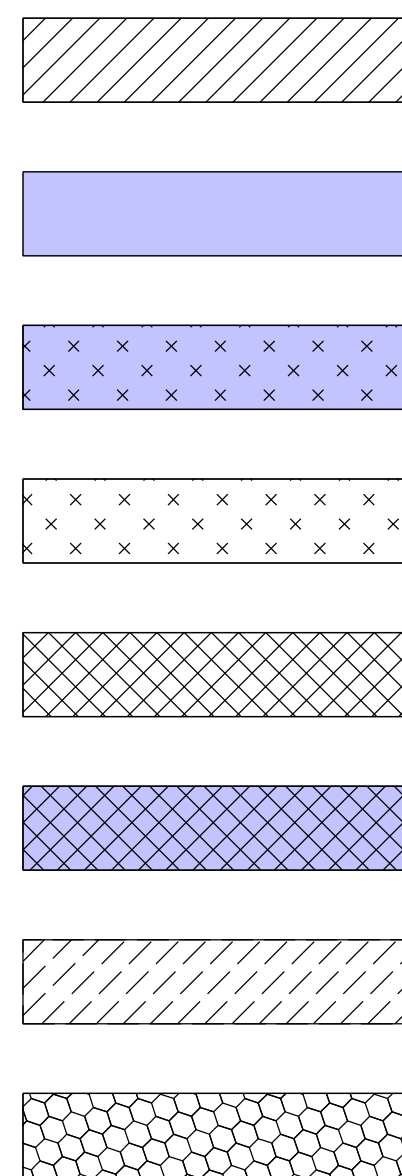


CONSTRUCTION AREA SIGNS:

SYMBOL	DESCRIPTION	SIZE	QUANTITY
G 20-2	"END ROAD WORK"	42"X18"	12
W 20-1	"ROAD WORK AHEAD"	36"X36"	13
C-FI	PROJECT IDENTIFICATION AND FUNDING SIGN	48"X36"	13

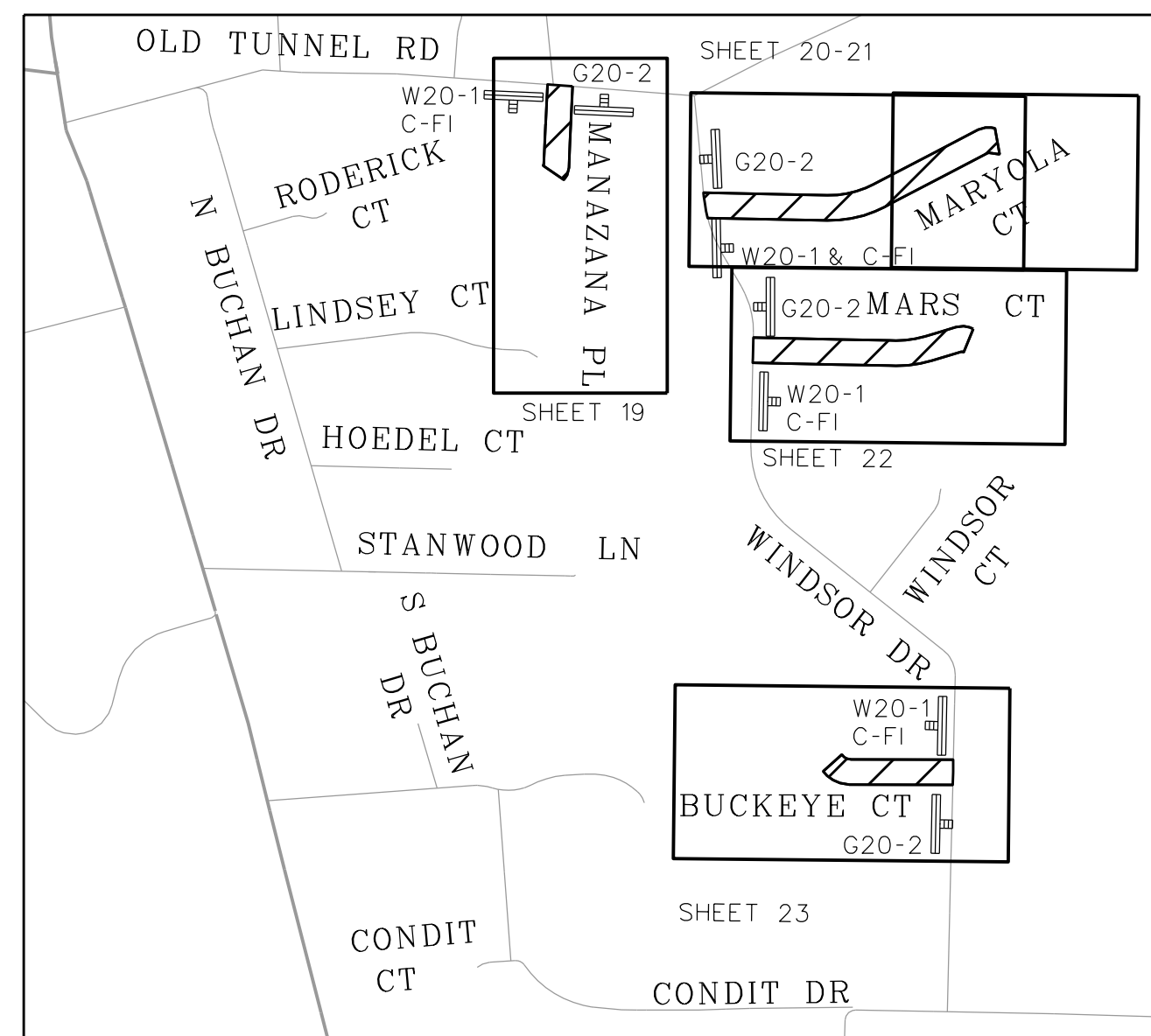
LEGEND:

- CONSTRUCT NEW ASPHALT IMPROVEMENTS OR ROADWAY CONFORM PAVING
- REMOVE CONCRETE IMPROVEMENTS
- REMOVE AND REPLACE CONCRETE IMPROVEMENTS (SEE PLAN NOTE FOR REPLACEMENT MATERIAL)
- CONSTRUCT NEW CONCRETE IMPROVEMENTS
- REMOVE ASPHALT PAVING
- REMOVE AND REPLACE ASPHALT PAVING
- AC DRIVEWAY AND SHOULDER OVERLAY CONFORM PAVING OVER EXISTING AC SURFACING.
- REMOVE AND RESET DECORATIVE PAVERS



NOTES:

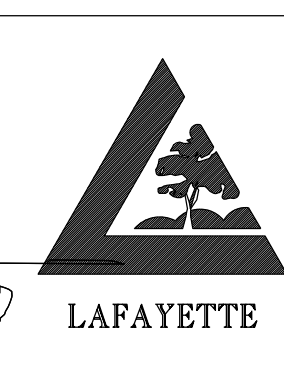
- 1 LOWER/ADJUST WATER VALVE FRAME AND COVER TO GRADE
- 2 LOWER/ADJUST CCCSD MANHOLE FRAME AND COVER TO GRADE
- 3 LOWER/ADJUST CCCSD RODDING INLET FRAME AND COVER TO GRADE
- 4 ADJUST WATER METER BOX TO GRADE WITH NEW BOX
- 5 NOT USED
- 6 REMOVE CONCRETE CURB AND GUTTER
- 7 NOT USED
- 8 REMOVE CONCRETE SIDEWALK OR DRIVEWAY
- 9 REMOVE EXISTING ASPHALT
- 10 REMOVE EXISTING STORM DRAIN PIPE, VARIOUS SIZES
- 11 REMOVE AND REPLACE AC DRIVEWAY OR PATHWAY (ON EXISTING BASE)
- 12 REMOVE AND REPLACE AC DRIVEWAY OR PATHWAY (ON NEW BASE)
- 13 REMOVE AND REPLACE CONCRETE DRIVEWAY OR PATHWAY (ON EXISTING BASE)
- 14 REMOVE AND REPLACE CONCRETE DRIVEWAY (ON NEW BASE)
- 15 REMOVE AND REPLACE EXISTING CURB AND GUTTER
- 16 NOT USED
- 17 REMOVE CONCRETE SURFACING REPLACE WITH AC (ON EXISTING BASE)
- 18 NOT USED
- 19 NOT USED
- 20 CONSTRUCT CURB AND GUTTER
- 21 CONSTRUCT CONCRETE DRIVEWAY, SHOULDER OR PATHWAY (ON NEW BASE)
- 22 CONSTRUCT ASPHALT DRIVEWAY, SHOULDER OR PATHWAY (ON NEW BASE)
- 23 OVERLAY EXISTING ASPHALT FROM TOP OF NEW BERM OR EDGE OF PAVEMENT TO FEATHER JOINT ON EXISTING IMPROVEMENTS
- 24 CONSTRUCT RETAINING CURB
- 25 INSTALL NEW SURVEY MONUMENT
- 26 NOT USED
- 27 REMOVE EXISTING SIGN POST AND SIGN
INSTALL NEW POST AND REATTACH SIGN
- 28 RELOCATE EXISTING MAILBOX ON NEW POST
- 29 NOT USED
- 30 CONNECT EXISTING PRIVATE DRAIN LINE TO STORM DRAIN PER DETAIL
- 31 NOT USED
- 32 REMOVE AND RESET DECORATIVE PAVER WALKWAY OR DRIVEWAY
- 33 REMOVE LANDSCAPE ROCKS AND RETURN TO PROPERTY OWNER



DATE	MARK	REVISION	INIT.

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 Reviewed by: FKS
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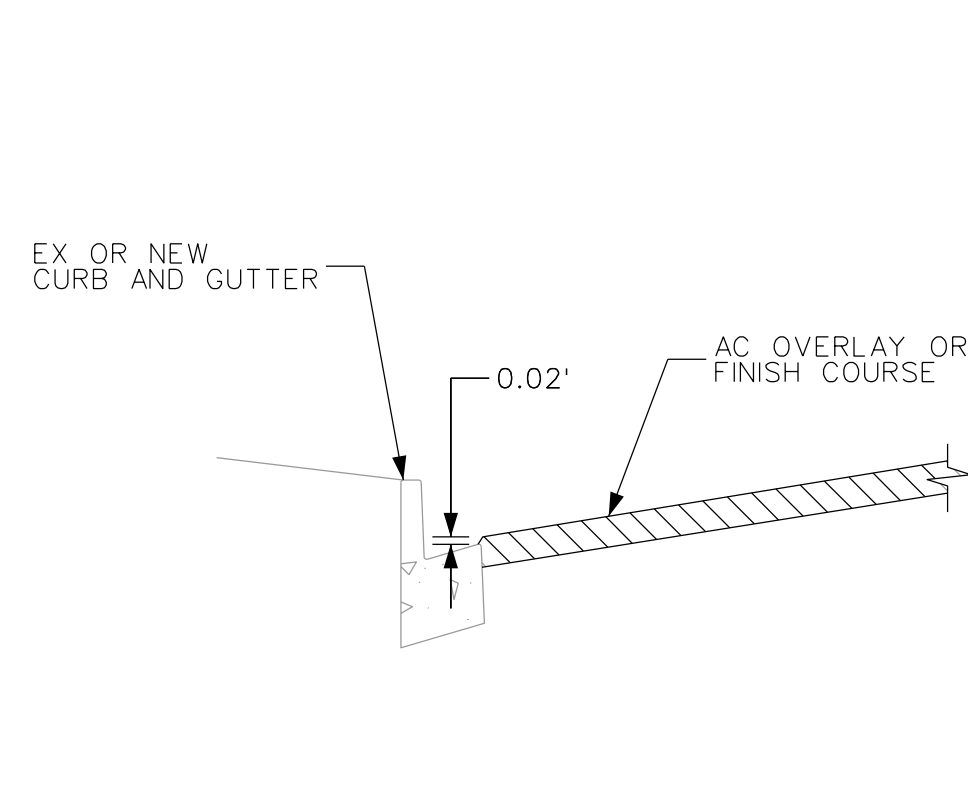
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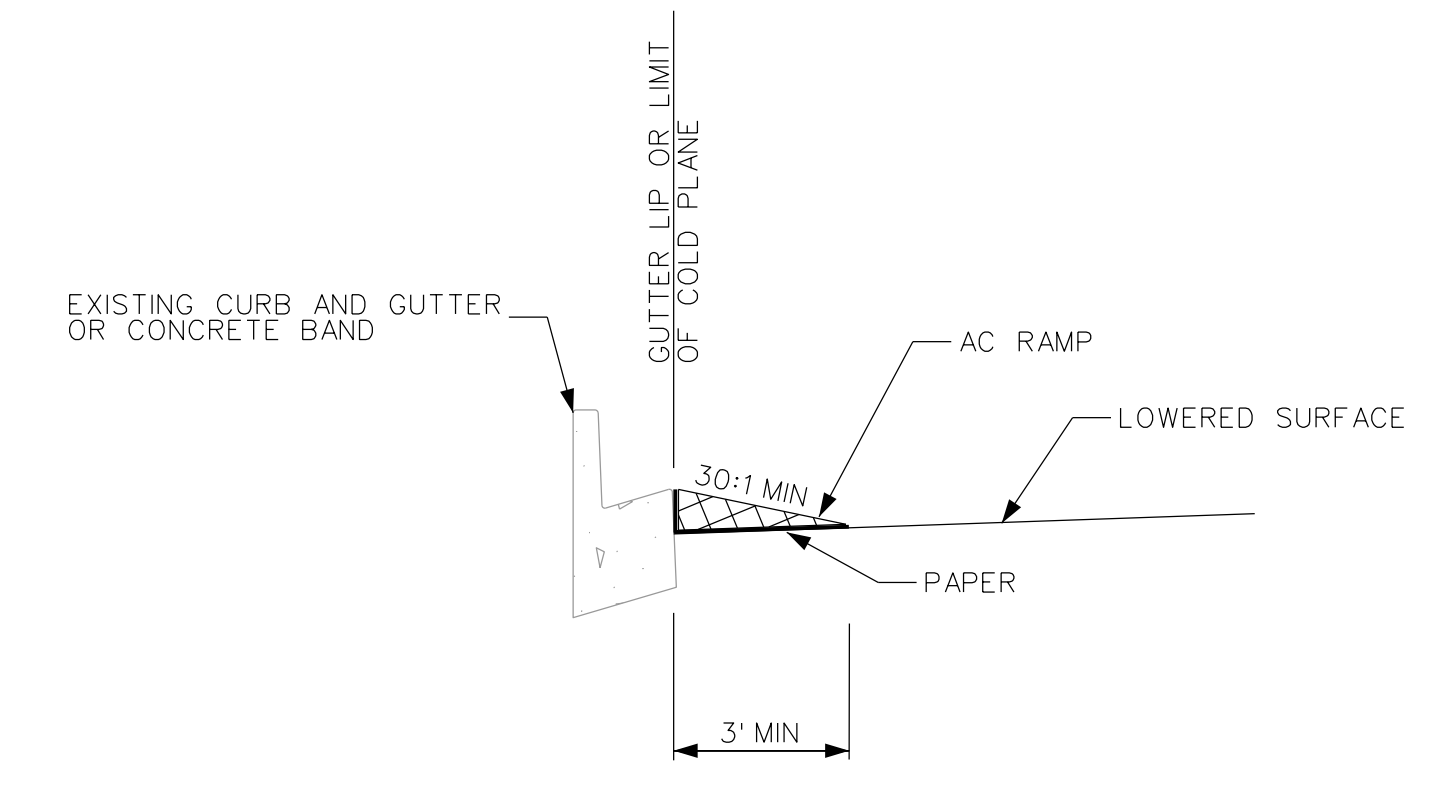
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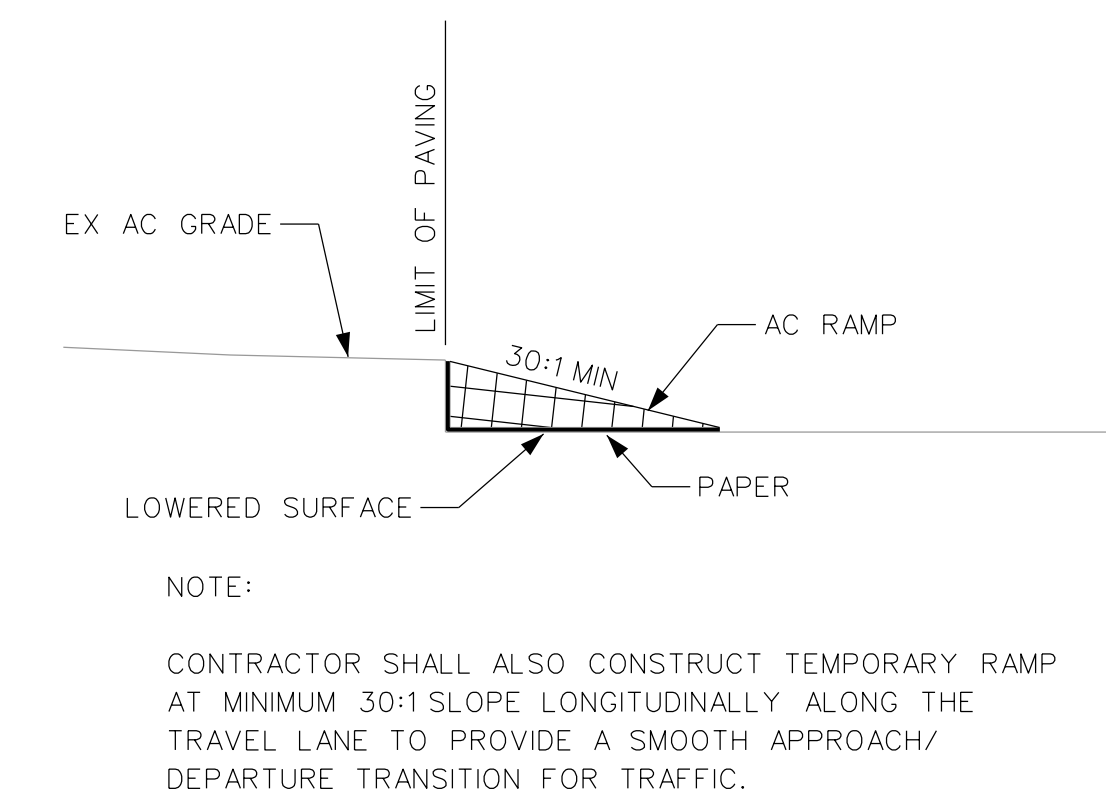
LOCATION MAP AND
 CONSTRUCTION AREA SIGNS
 SCALE: NTS
 SHEET No. 2 of 25



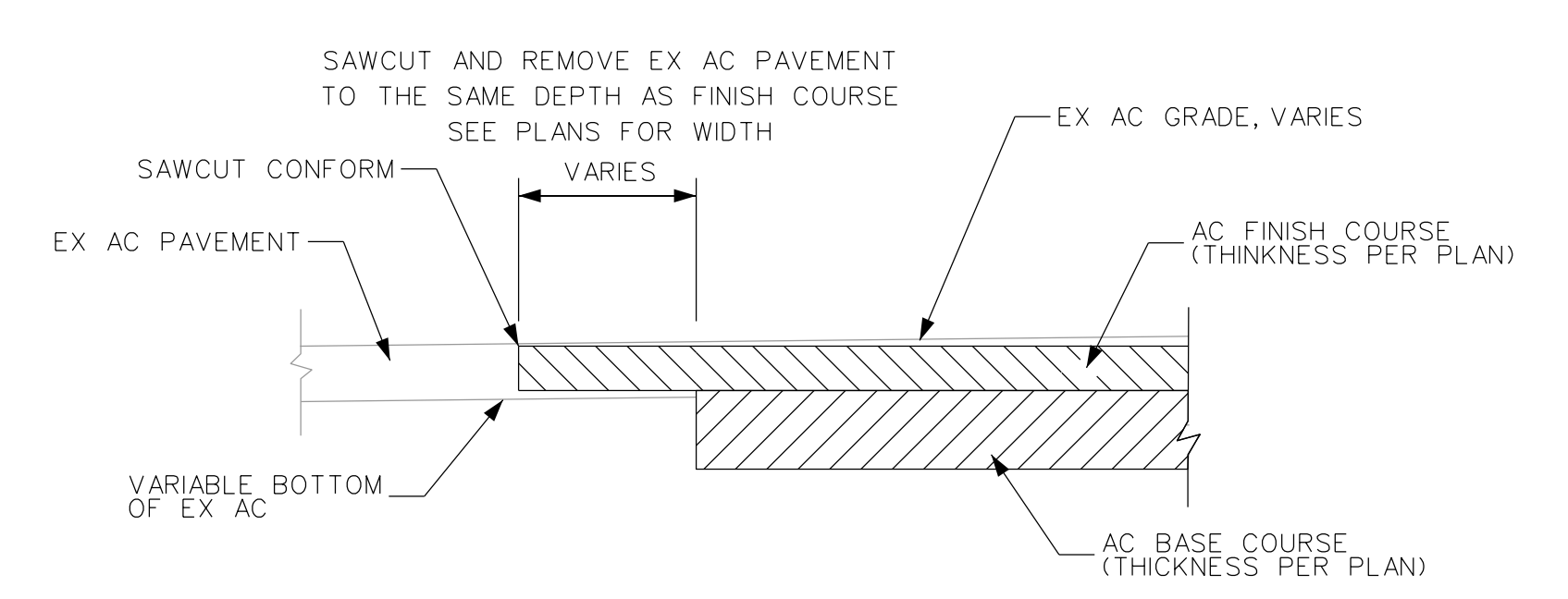
1 ASPHALT CONCRETE PAVING
3 AT GUTTER LIP



2 TEMPORARY ASPHALT CONCRETE RAMP
3 AT SIDE STREET, VALLEY GUTTER AND DRIVEWAY CONFORMS

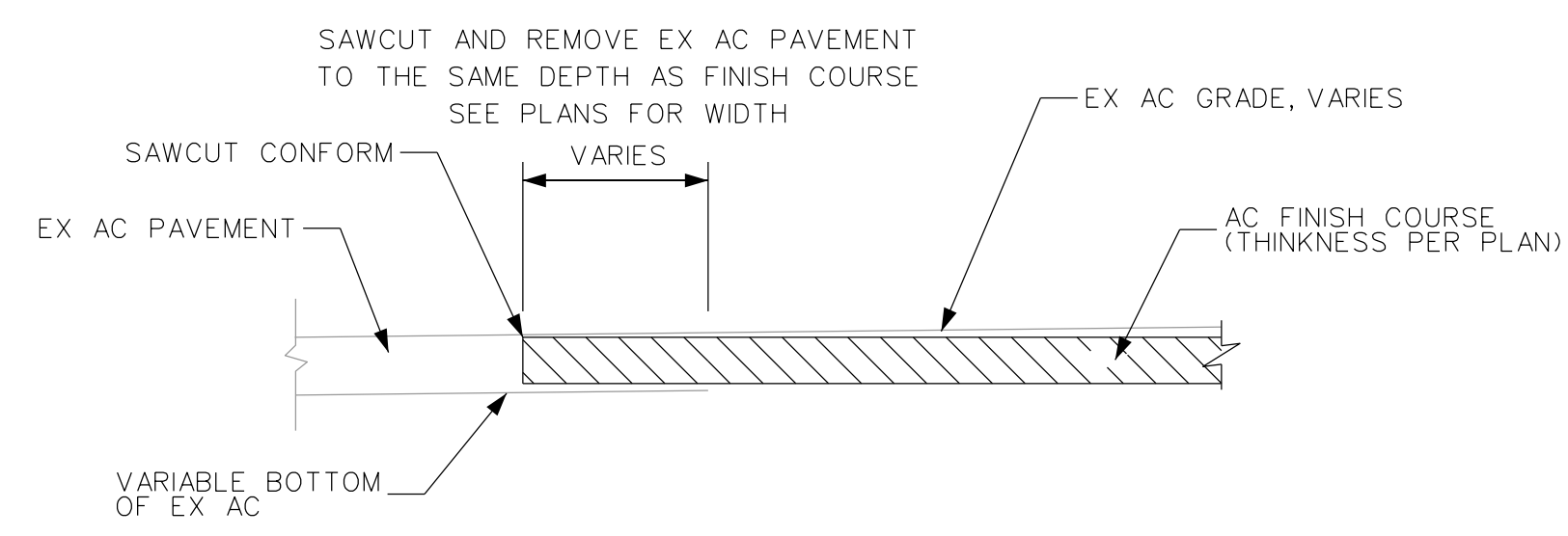


3 TEMPORARY ASPHALT CONCRETE RAMP
3 AT TRANSVERSE CONFORMS



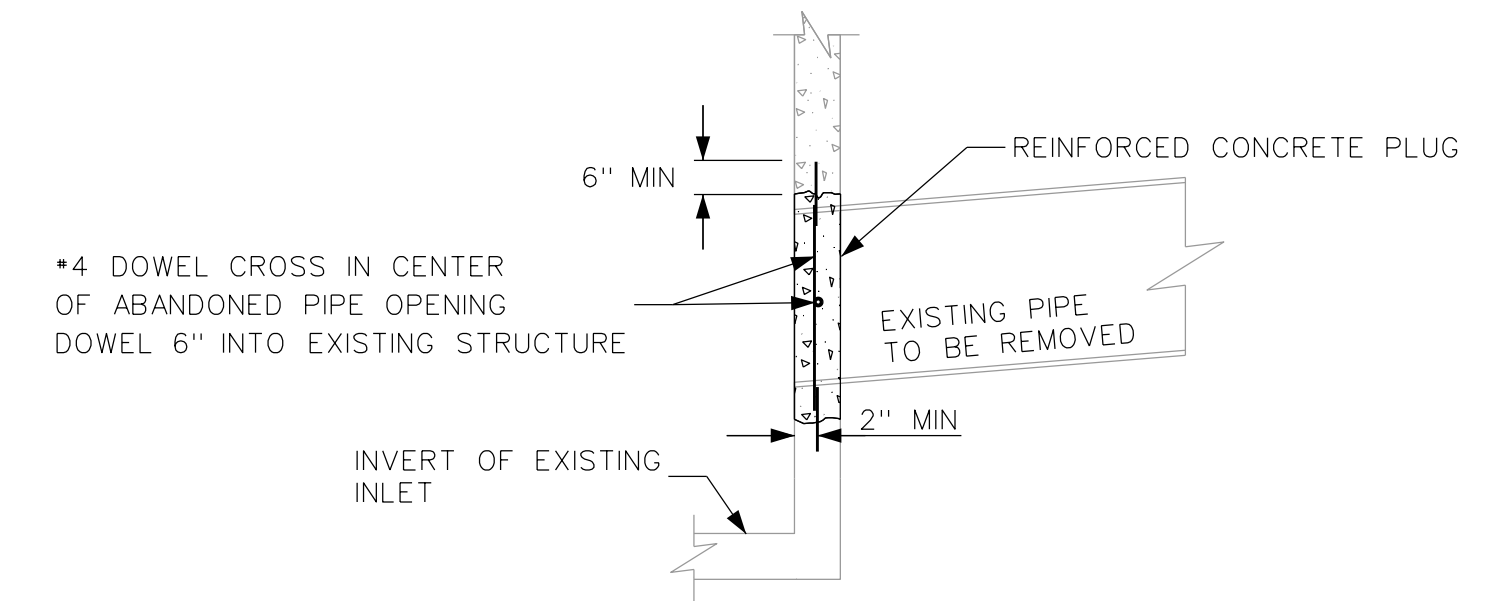
4 AC RECONSTRUCTION (TWO COURSES) CONFORM PAVING
3 AT TRANSVERSE CONFORMS AND SIDE STREETS

IF EX PAVEMENT BEYOND THE INDICATED CONFORM IS DAMAGED BY THE CONTRACTOR'S OPERATION, ADDITIONAL PAVEMENT SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED BY THE ENGINEER.



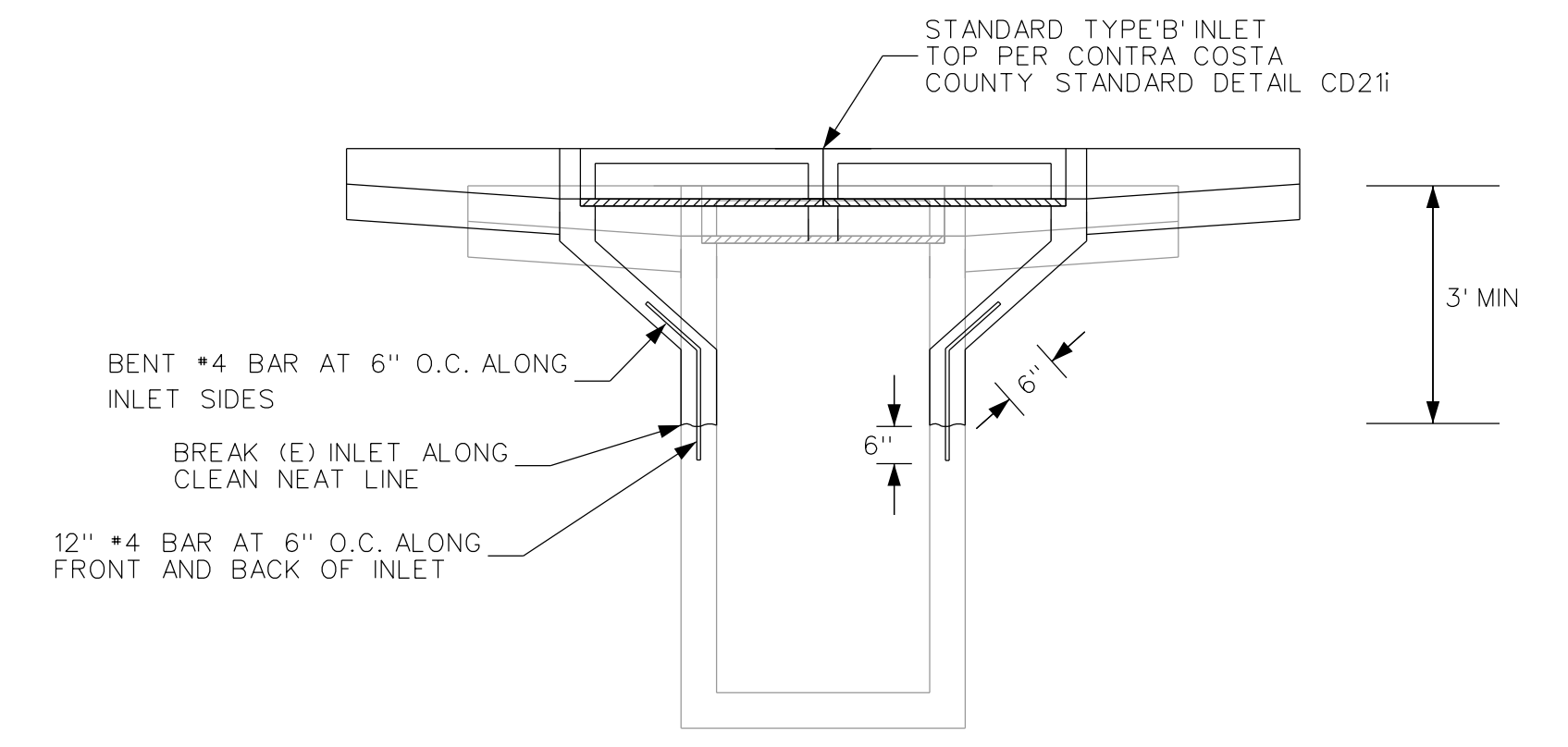
5 AC RECONSTRUCTION (TWO COURSES) CONFORM PAVING
3 AT TRANSVERSE CONFORMS AND SIDE STREETS

IF EX PAVEMENT BEYOND THE INDICATED CONFORM IS DAMAGED BY THE CONTRACTOR'S OPERATION, ADDITIONAL PAVEMENT SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED BY THE ENGINEER.



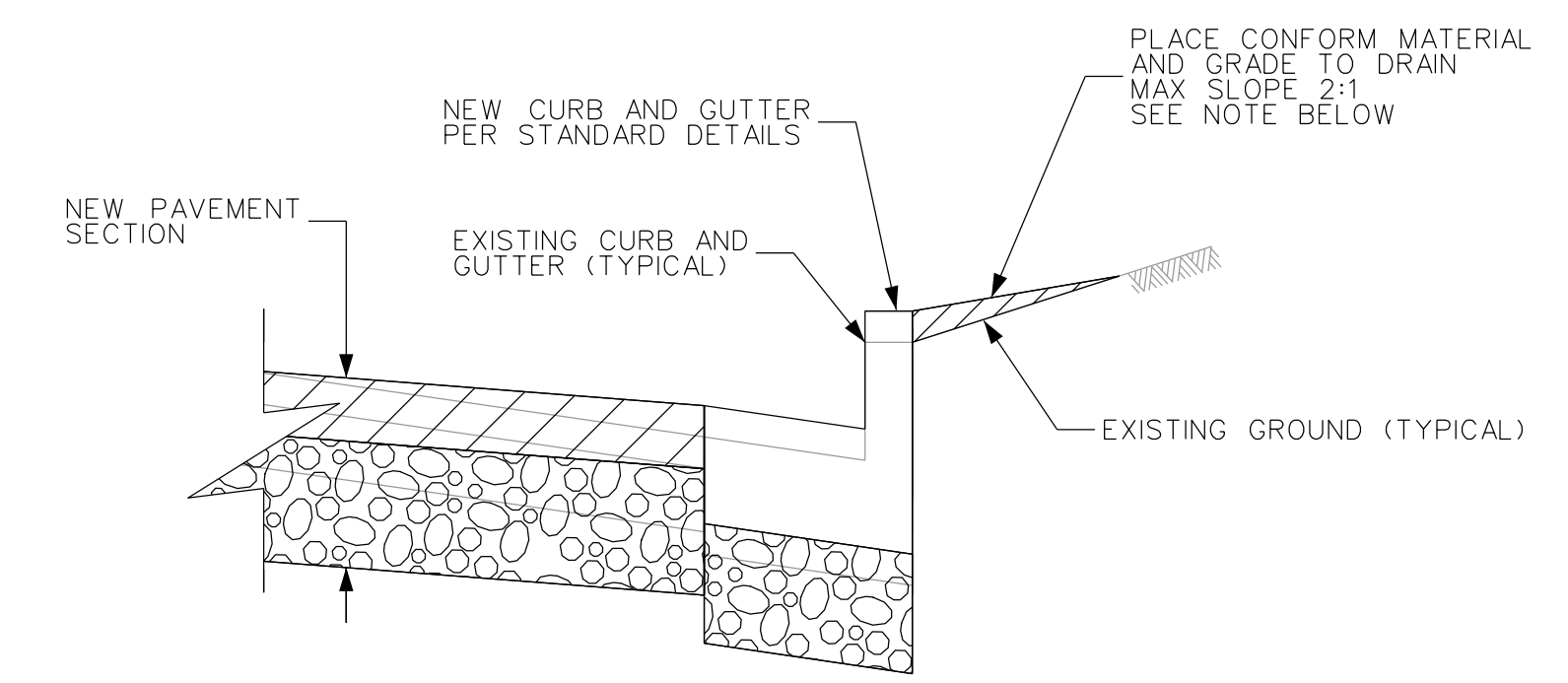
6 CONCRETE PLUG IN EXISTING STRUCTURE
3 NTS

*4 DOWEL CROSS IN CENTER OF ABANDONED PIPE OPENING DOWEL 6" INTO EXISTING STRUCTURE



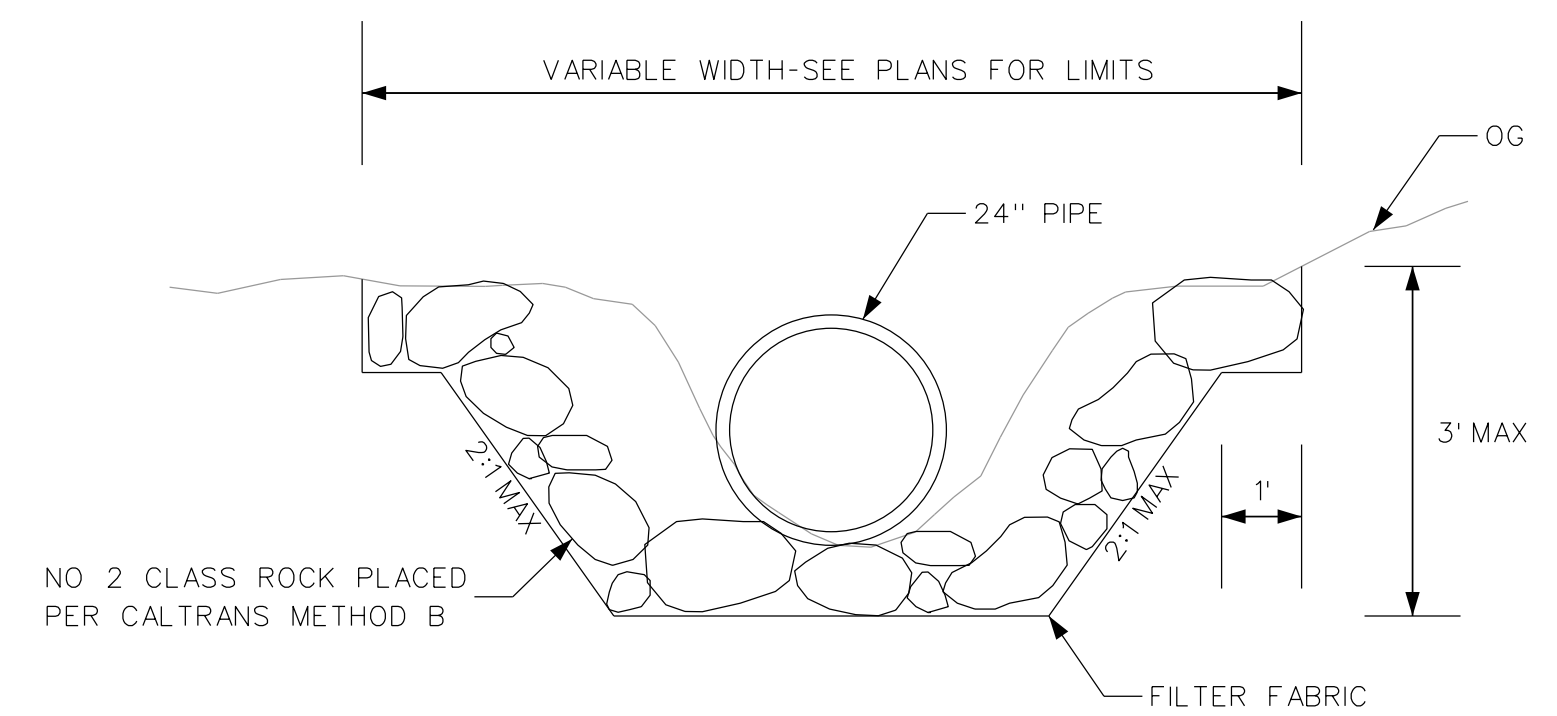
7 CONVERT TYPE "A" TO TYPE "B" INLET
3 NTS

NOTE: INLET TOP SHALL BE ALIGNED WITH EXISTING TYPE 'C' AS DIRECTED BY ENGINEER IN THE FIELD. TRANSITION SHALL BE SIMILAR TO WHAT IS SHOWN IN THIS DETAIL TO ACHIEVE DESIRED ALIGNMENT.



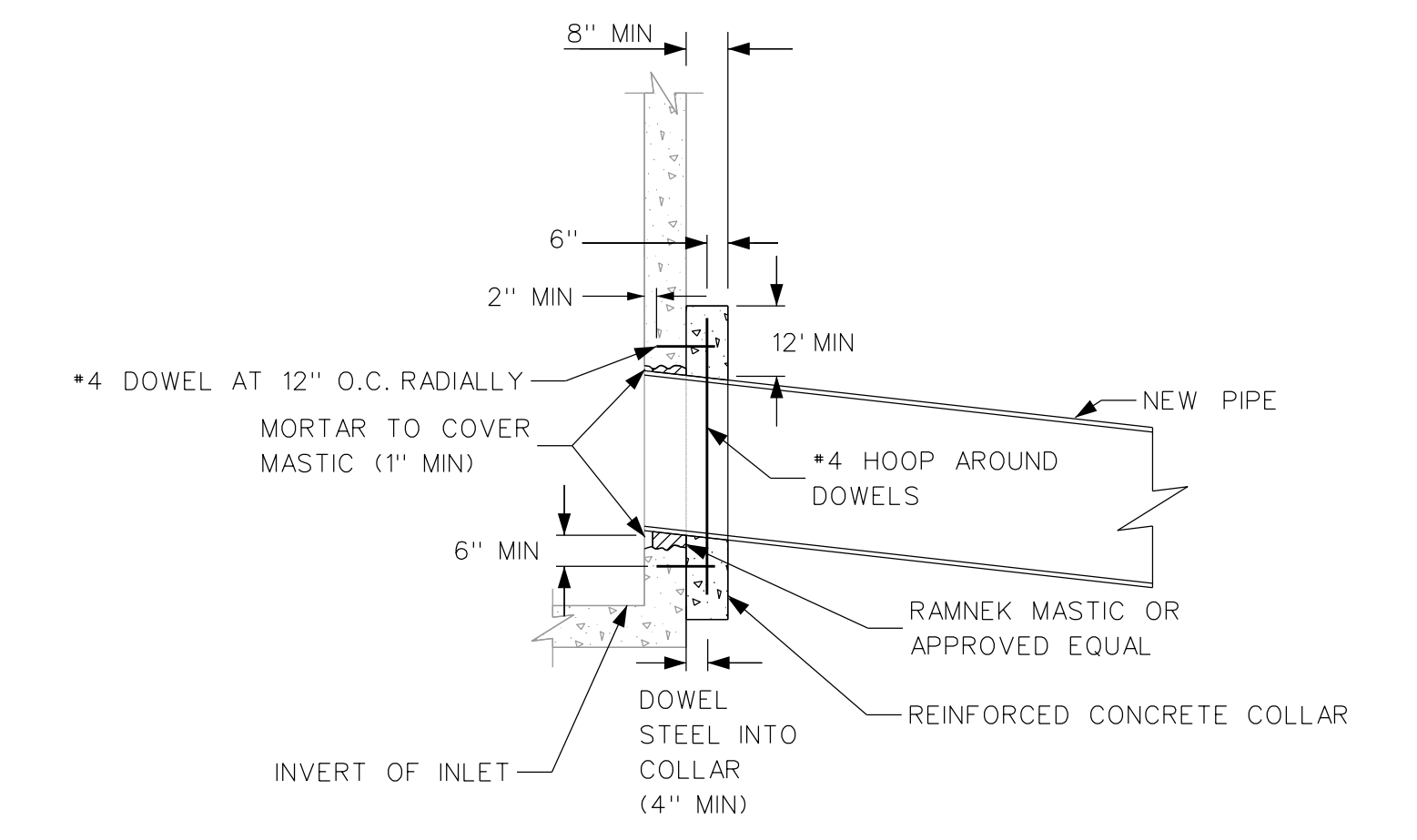
8 NEW CURB AND GUTTER CONFORM TO EXISTING TERRAIN
3 NTS

CONFORM MATERIAL SHALL MATCH EXISTING MATERIAL BEHIND CURBING. MATERIAL SHALL BE EITHER TOPSOIL, TOPSOIL AND MULCH, BASE ROCK, PULVERIZED MATERIAL AND/OR GRAVEL AS DIRECTED BY THE ENGINEER AND AS SPECIFIED IN THE SPECIAL PROVISIONS. ALL MATERIALS SHALL BE GRADED TO A CLEAN NEAT FINISH AND COMPACTED TO 90% RELATIVE COMPACTION.



9 ROCK SLOPE PROTECTION
3 NTS

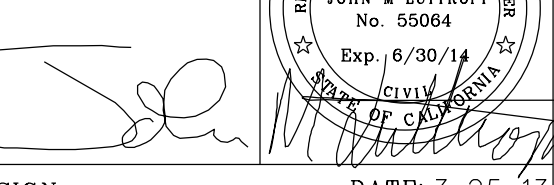
NOTE: EXISTING DITCH SHALL BE GRADED SMOOTH AND DELETRIOUS MATERIALS REMOVED TO ALLOW FOR ROCKS TO BE KEYED INTO GROUND AT LIMITS OF WORK



10 PIPE CONNECTION TO EXISTING STRUCTURE
3 NTS


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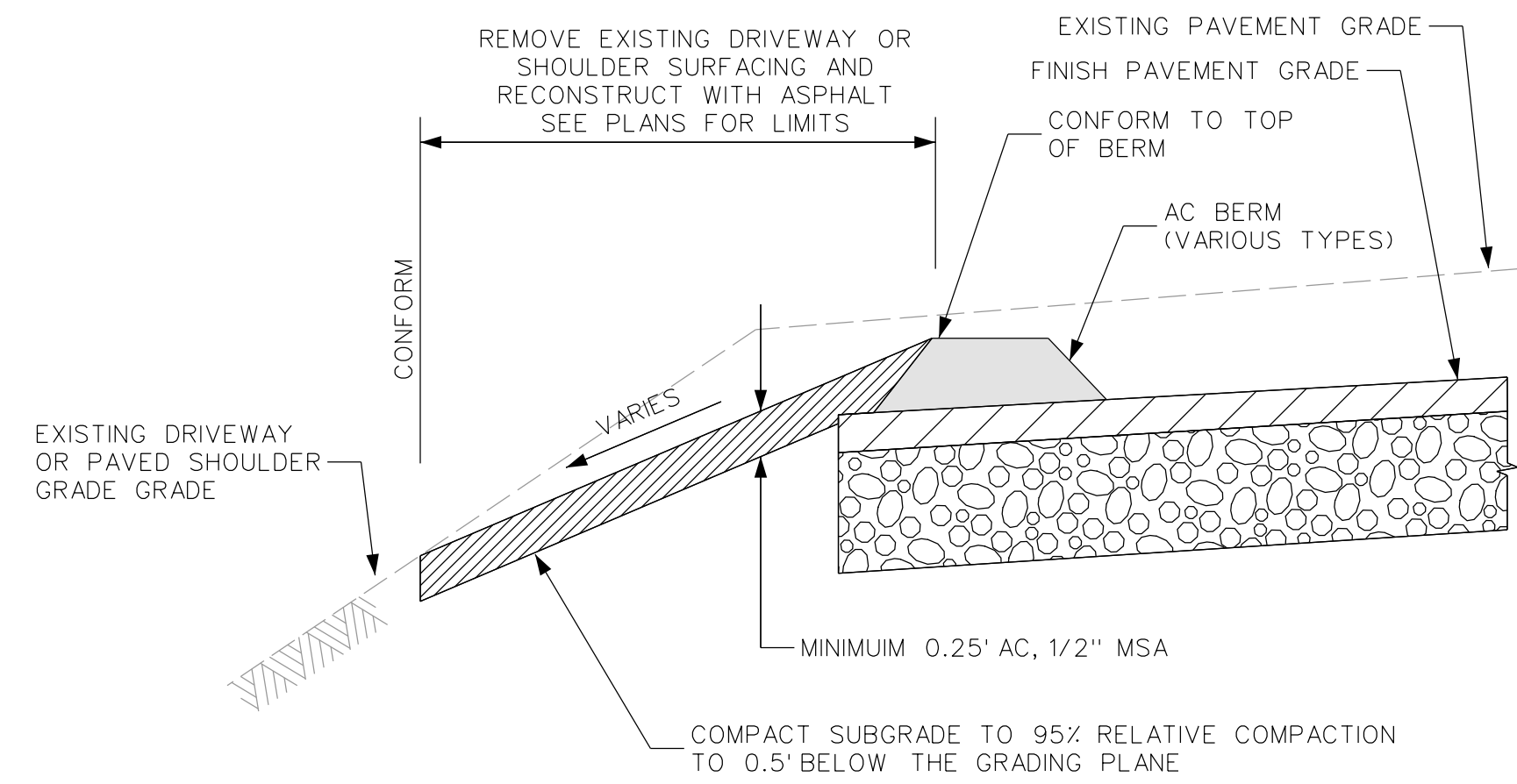


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REVIEWED BY:
CITY OF LAFAYETTE

Tony Coe, Engineering Services Manager
Date: 3-25-13

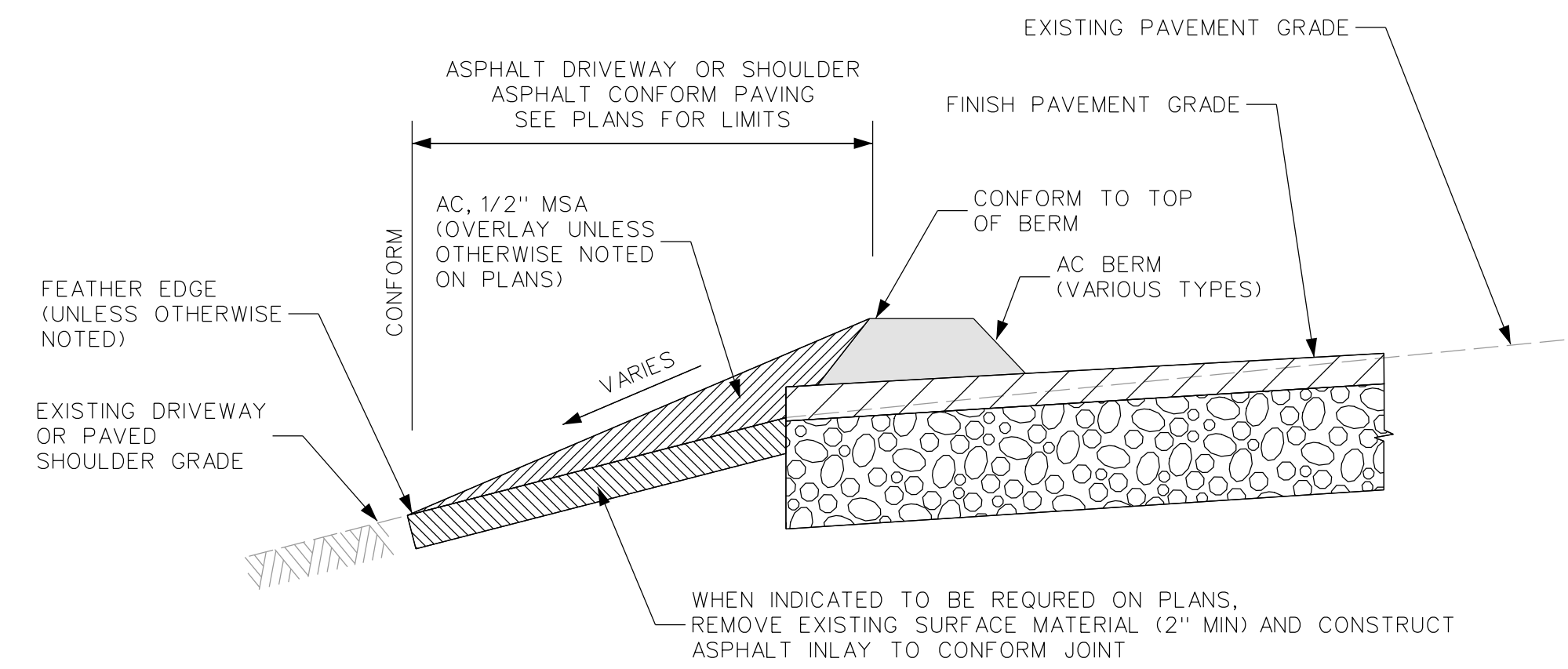
CITY OF LAFAYETTE
PROJECT NO. 014-9694
2013 ROAD AND DRAIN IMPROVEMENTS
CONTRA COSTA COUNTY CALIFORNIA

CONSTRUCTION DETAILS
SCALE: NTS
SHEET No. 3 of 25



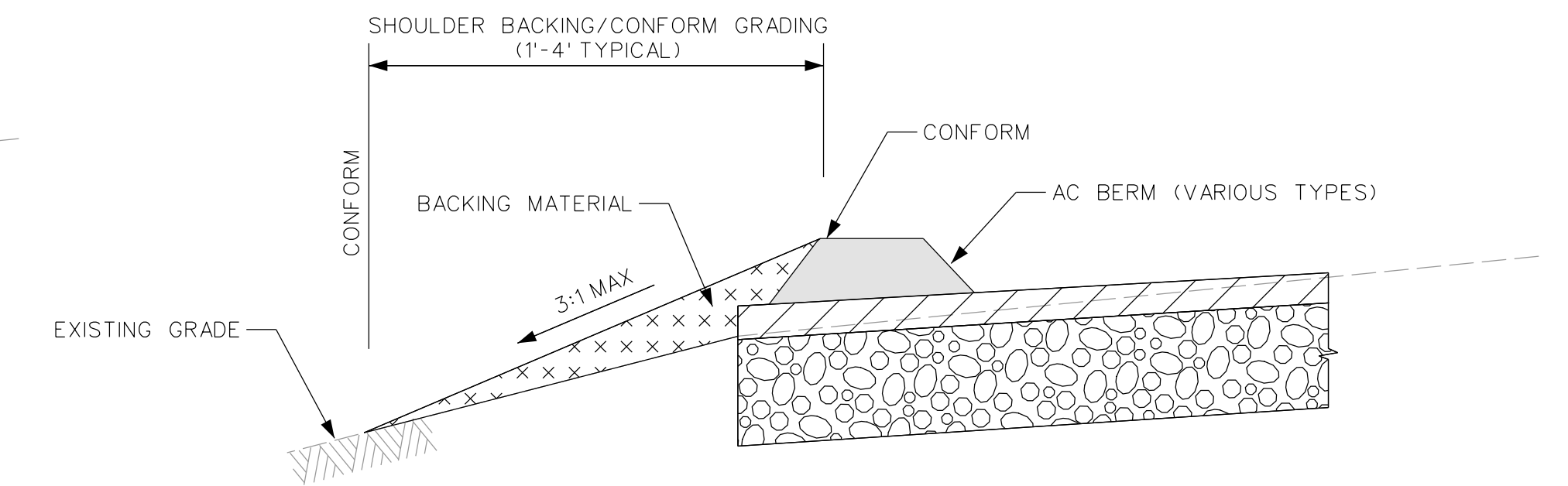
- NOTE:
1. ASPHALT BERMS SHALL BE DEPRESSED AT DRIVEWAYS TO A HEIGHT OF 0.2' MAX
 2. ASPHALT CONFORMS SHALL BE PLACED SIMULTANEOUSLY WITH ASPHALT BERM OPERATION.
 3. ASPHALT BERM AND CONFORMS SHALL BE COMPACTED MONOLITHICALLY WITH VIRAPLATE OR ROLLER

CASE 1- TOP OF DIKE BELOW EXISTING DRIVEWAY OR PAVED SHOULDER



- NOTE:
1. ASPHALT BERMS SHALL BE DEPRESSED AT DRIVEWAYS TO A HEIGHT OF 0.2' MAX
 2. ASPHALT CONFORMS SHALL BE PLACED SIMULTANEOUSLY WITH ASPHALT BERM OPERATION.
 3. ASPHALT BERM AND CONFORMS SHALL BE COMPACTED MONOLITHICALLY WITH VIRAPLATE OR ROLLER

CASE 2- TOP OF DIKE ABOVE EXISTING DRIVEWAY OR PAVED SHOULDER GRADE

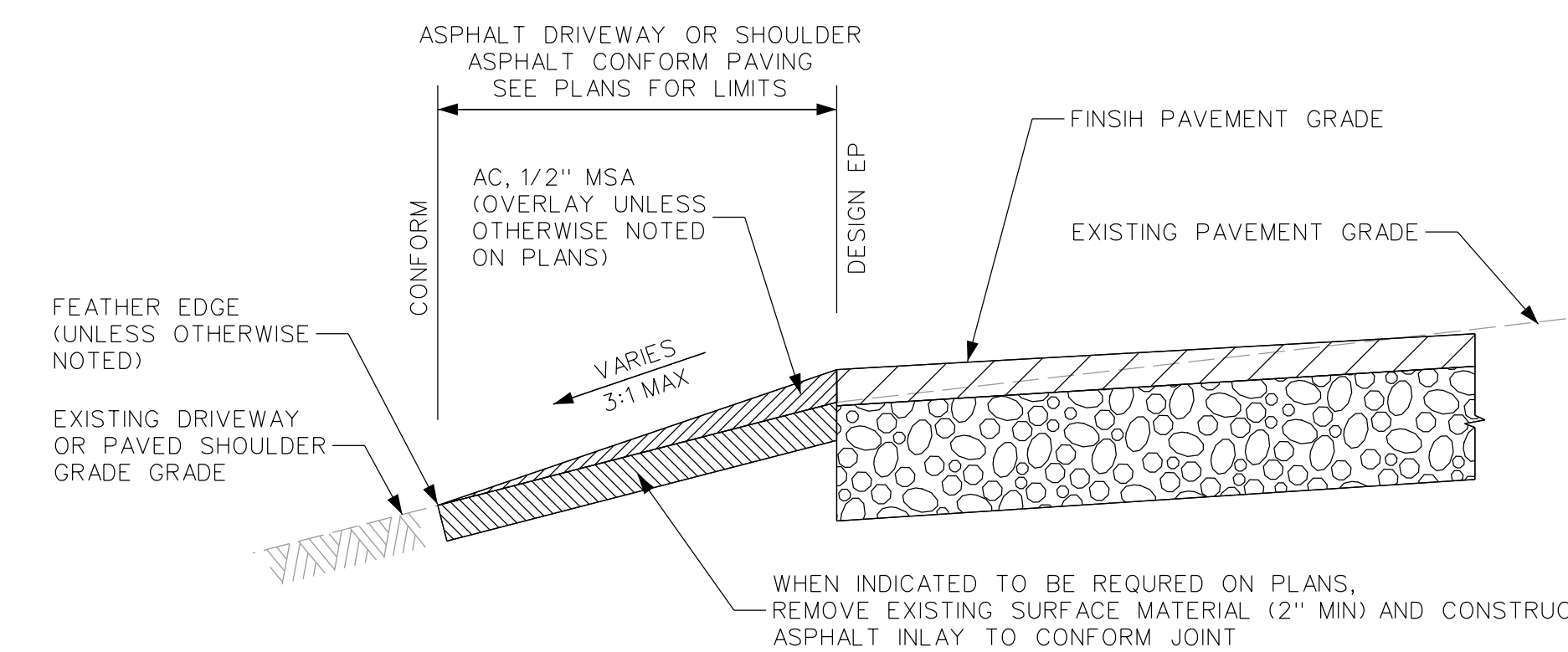
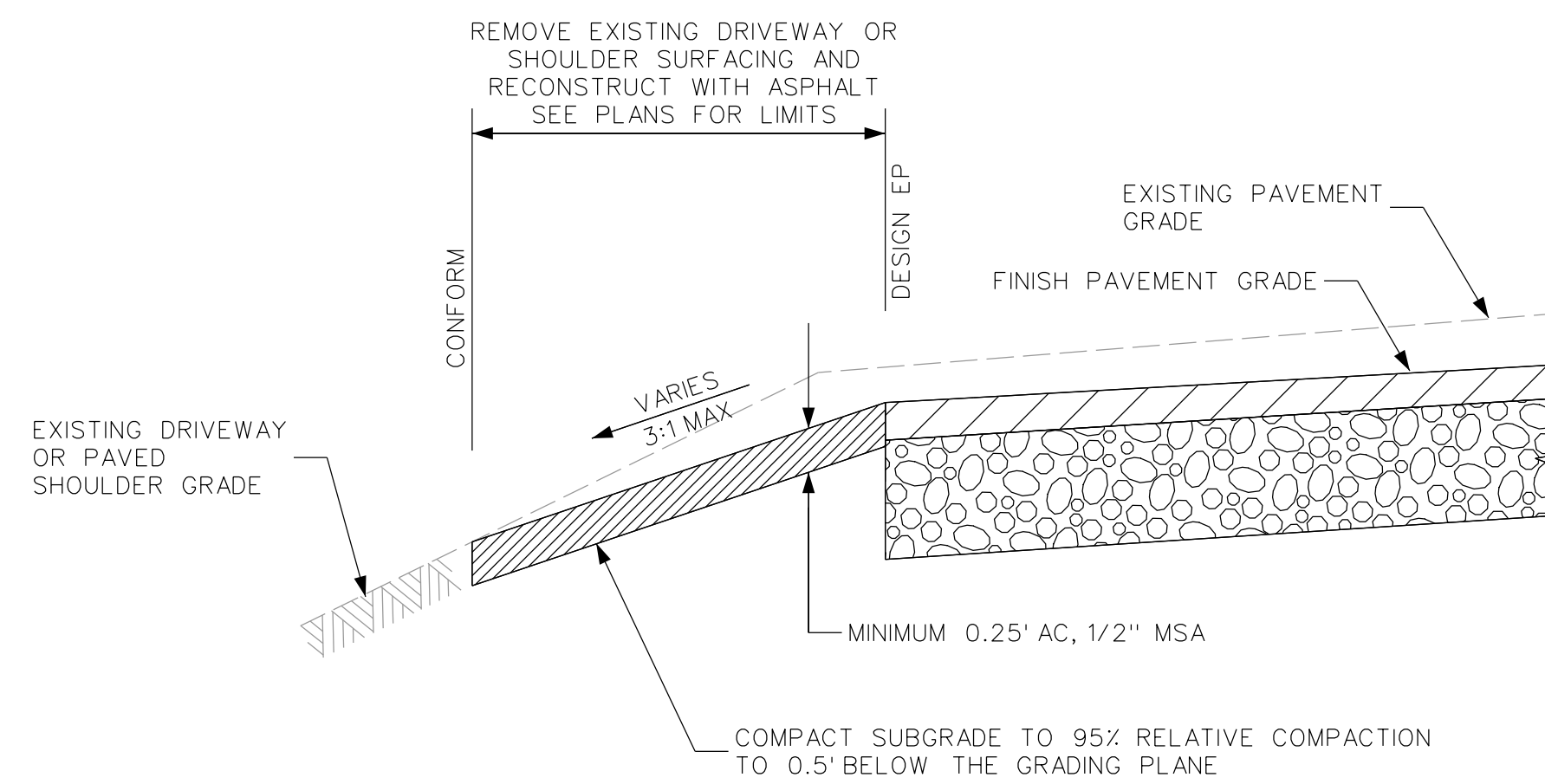


- UNLESS SHOWN OTHERWISE BACKING MATERIAL SHALL BE CLASS II AB OR PULVERIZED MATERIAL. MATERIAL SHALL BE GRADED TO DRAIN AND SHALL BE COMPACTED TO 95% RELATIVE COMPACTION. WHEN NO BERM EXISTS SHOULDER BACKING MATERIAL SHALL BE GRADE TO EP.

SHOULDER BACKING/CONFORM GRADING TO EXISTING TERRAIN

1
5 AC CONFORM AT DRIVEWAYS AND PAVED SHOULDERS WITH AC BERM

3
5 SHOULDER BACKING/CONFORM GRADING TO EXISTING TERRAIN



NOTE: SEE VIA ROBLE TYPICAL SECTIONS FOR CONFORM GRIND AND CONFORM PAVING FORM STA 16-75 TO STA 29-96


CASE 1- FINISH EP BELOW EXISTING DRIVEWAY OR PAVED SHOULDER GRADE

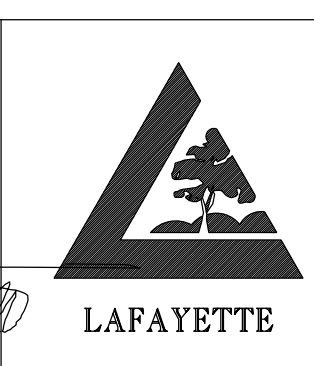
CASE 2- FINISH EP ABOVE EXISTING DRIVEWAY OR PAVED SHOULDER GRADE

2
5 AC CONFORM AT DRIVEWAYS AND PAVED SHOULDERS WITHOUT BERM

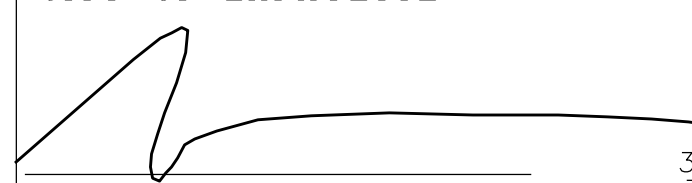
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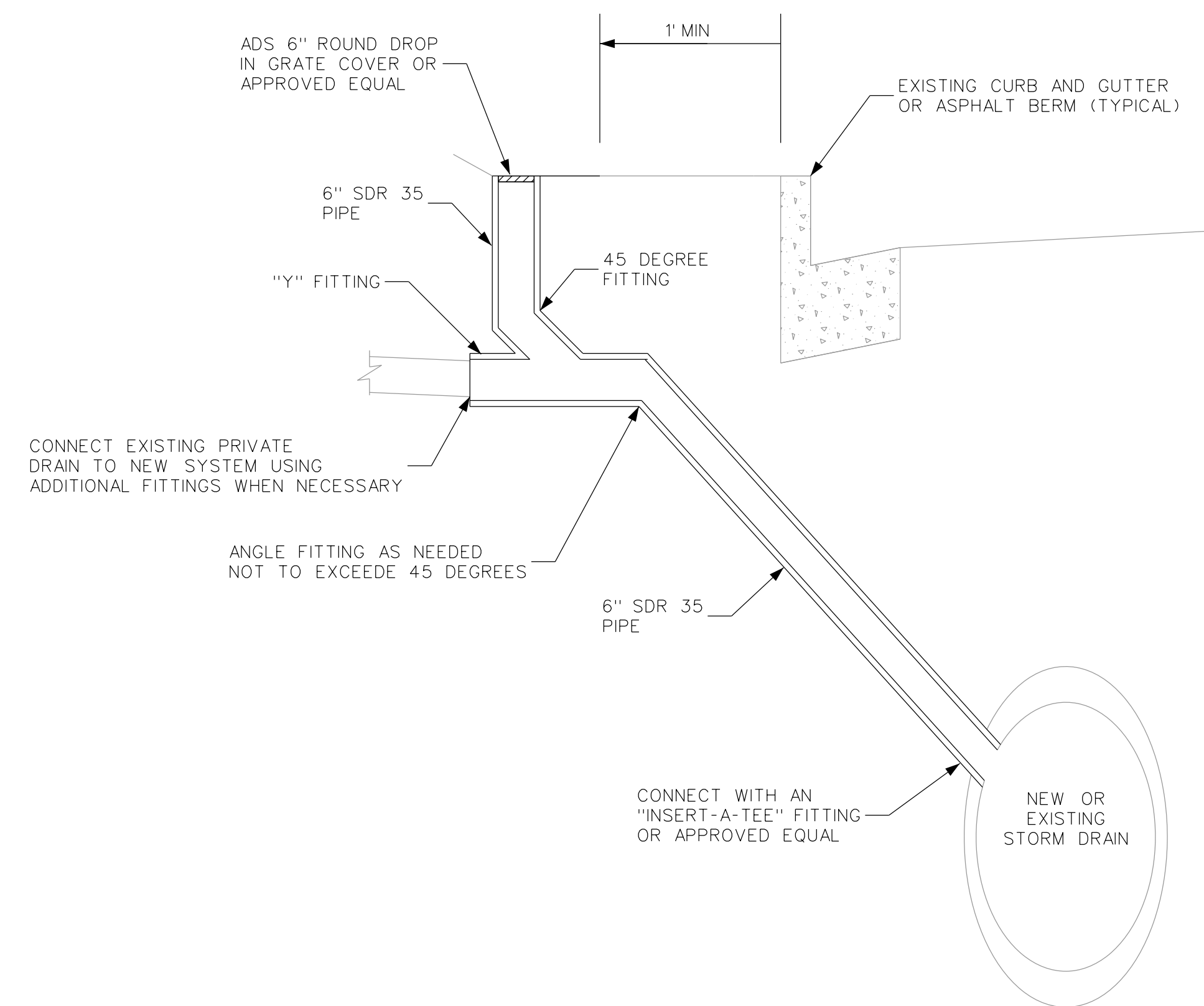


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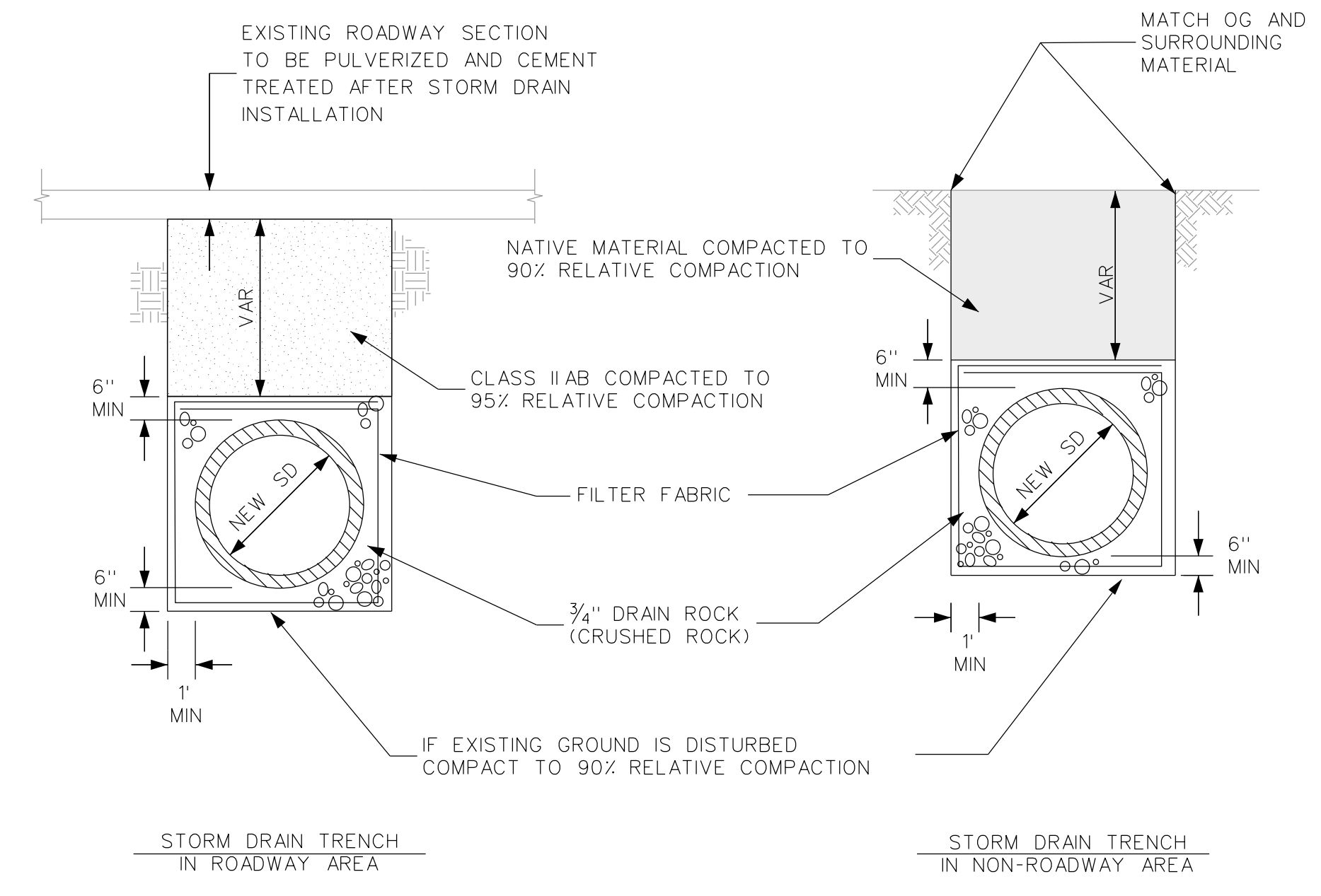
REVIEWED BY:
 CITY OF LAFAYETTE

 Tony Coe, Engineering Services Manager
 Date: 3-25-13

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 2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

CONSTRUCTION DETAILS
 SCALE: NTS
 SHEET No. 5 of 25



1
4 PRIVATE DRAIN CONNECTION TO CITY STORM DRAIN LINE
NTS

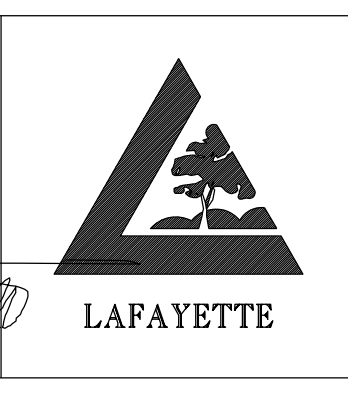


2
4 STORM DRAIN TRENCH DETAILS
NTS

DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 3-25-13

SIGN: *[Signature]*
 DATE: 3-25-13

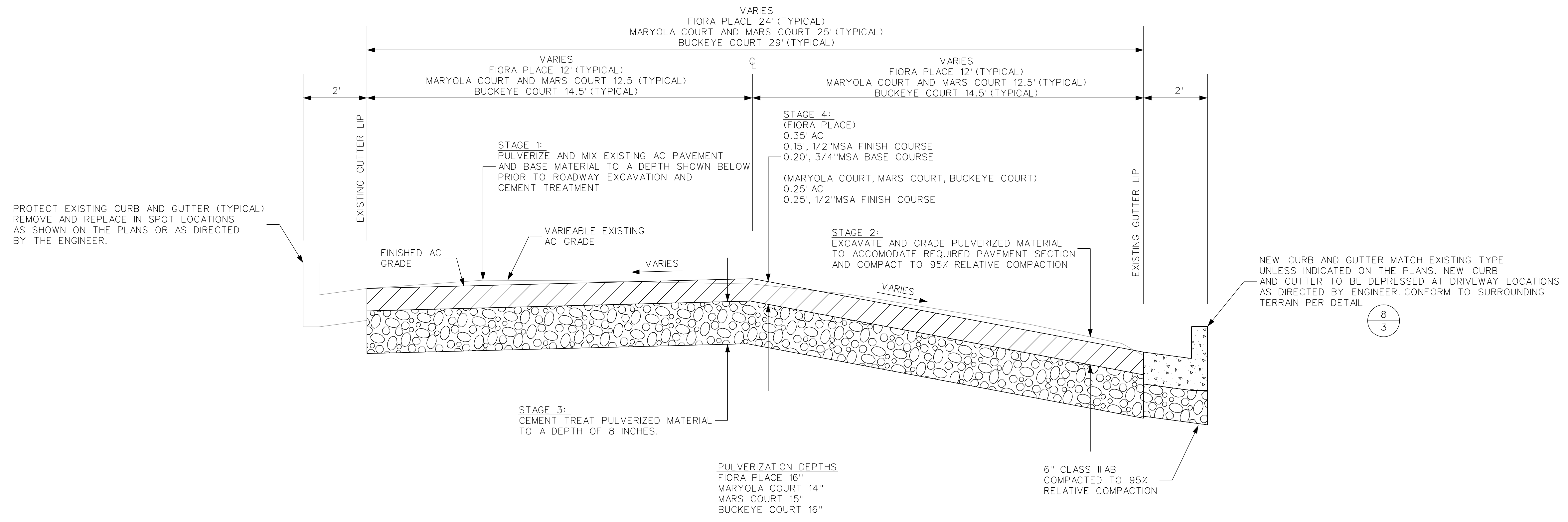


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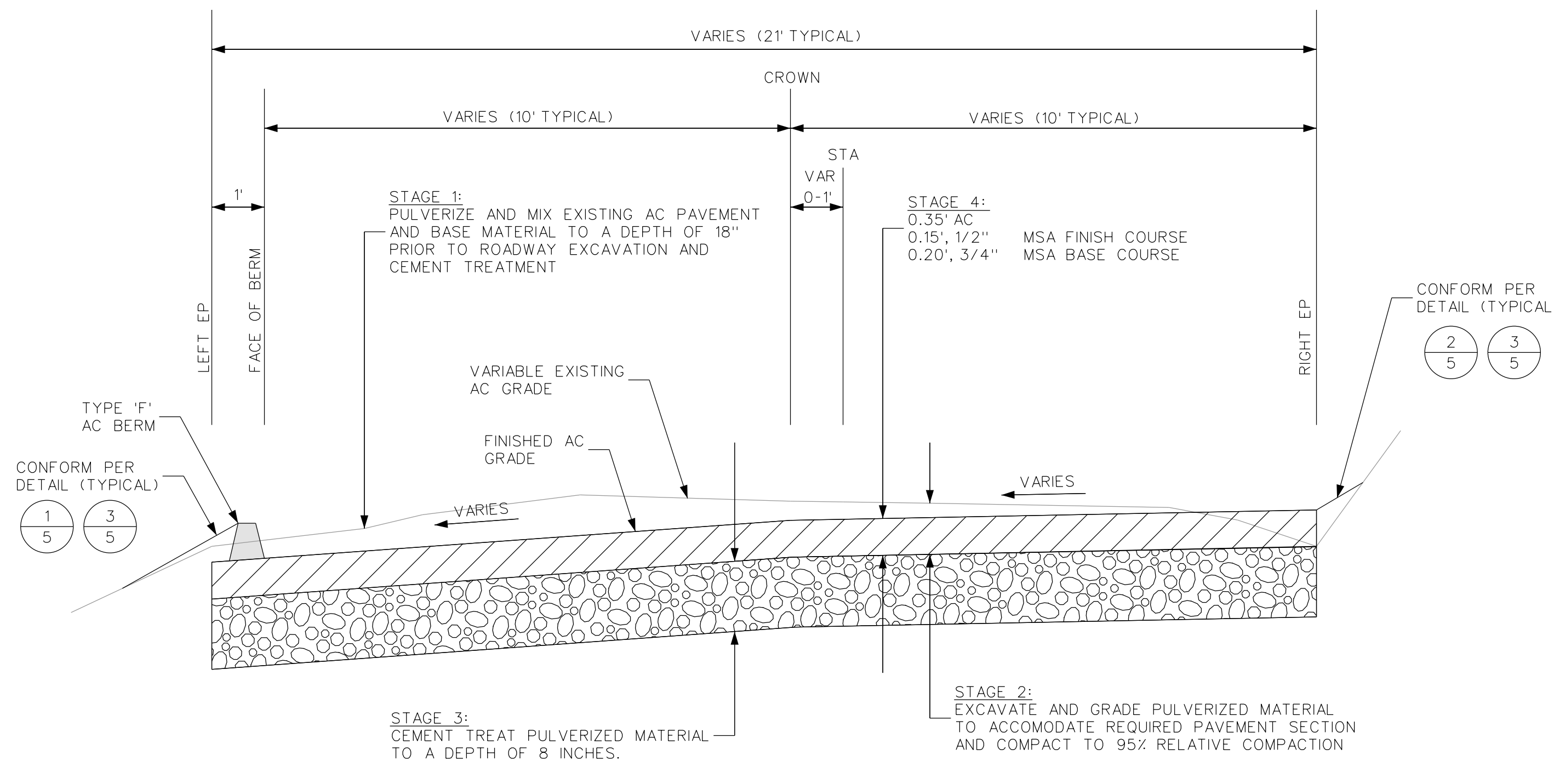
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[Signature]
 Tony Coe, Engineering Services Manager
 Date: 3-25-13

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 PROJECT NO. 014-9694
 2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

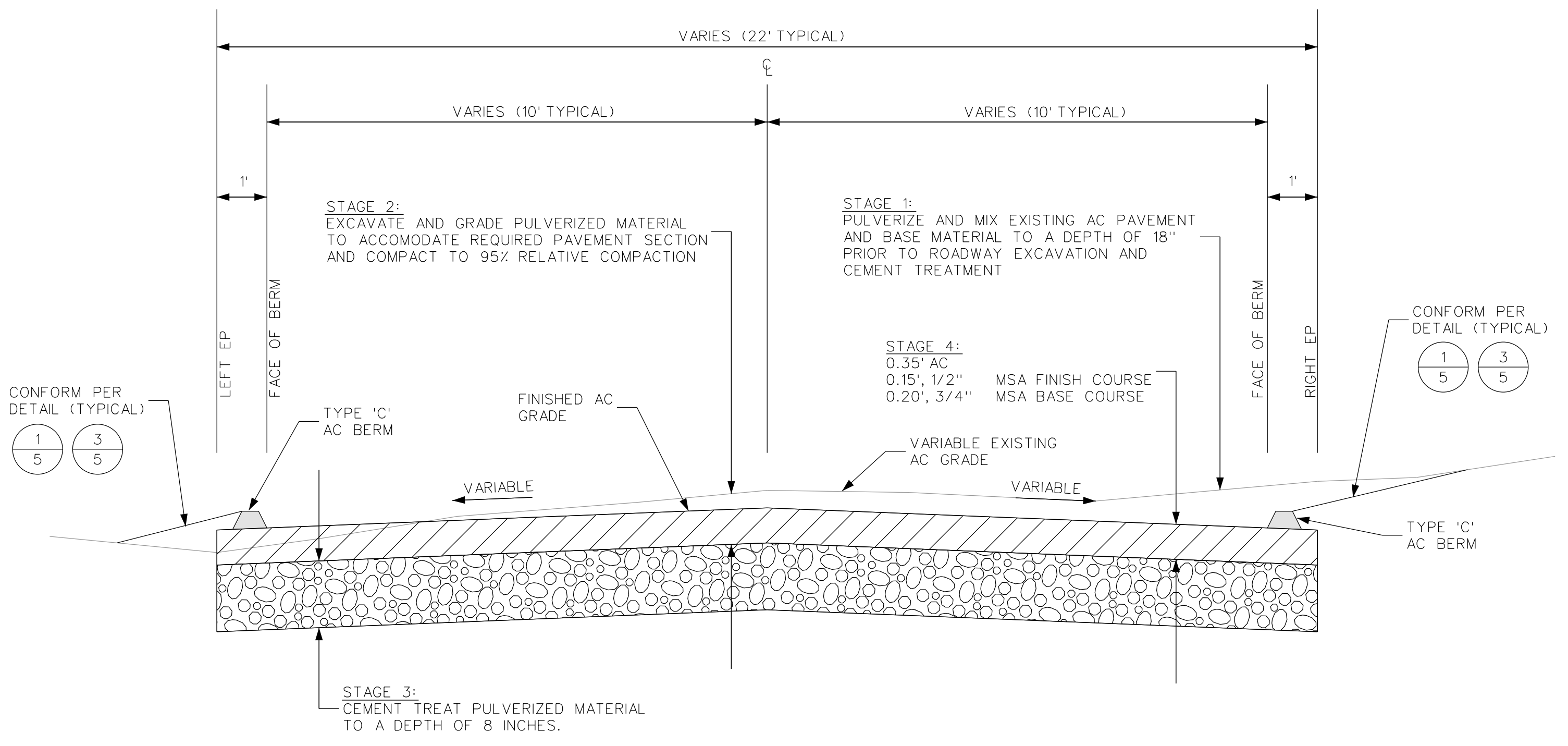
CONSTRUCTION DETAILS
 SCALE: NTS
 SHEET No. 4 of 25



A
6
FIORA PLACE, MARYOLA COURT, MARS COURT, BUCKEYE COURT
TYPICAL SECTION



B
6
VALLECITO COURT
TYPICAL SECTION



C
6
MANZANA PLACE
TYPICAL SECTION

DATE	MARK	REVISION	INIT.

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 Date: 3-25-13

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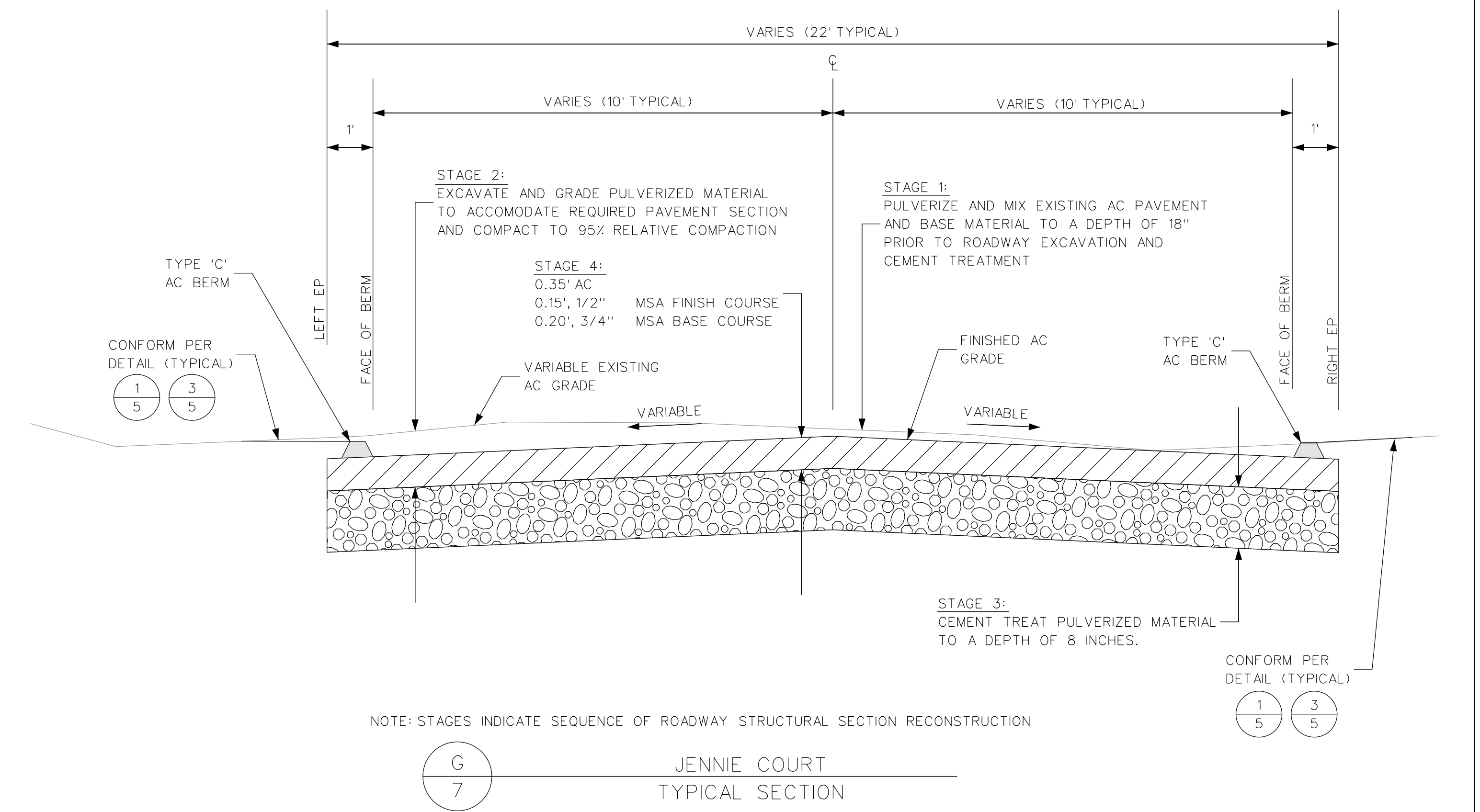
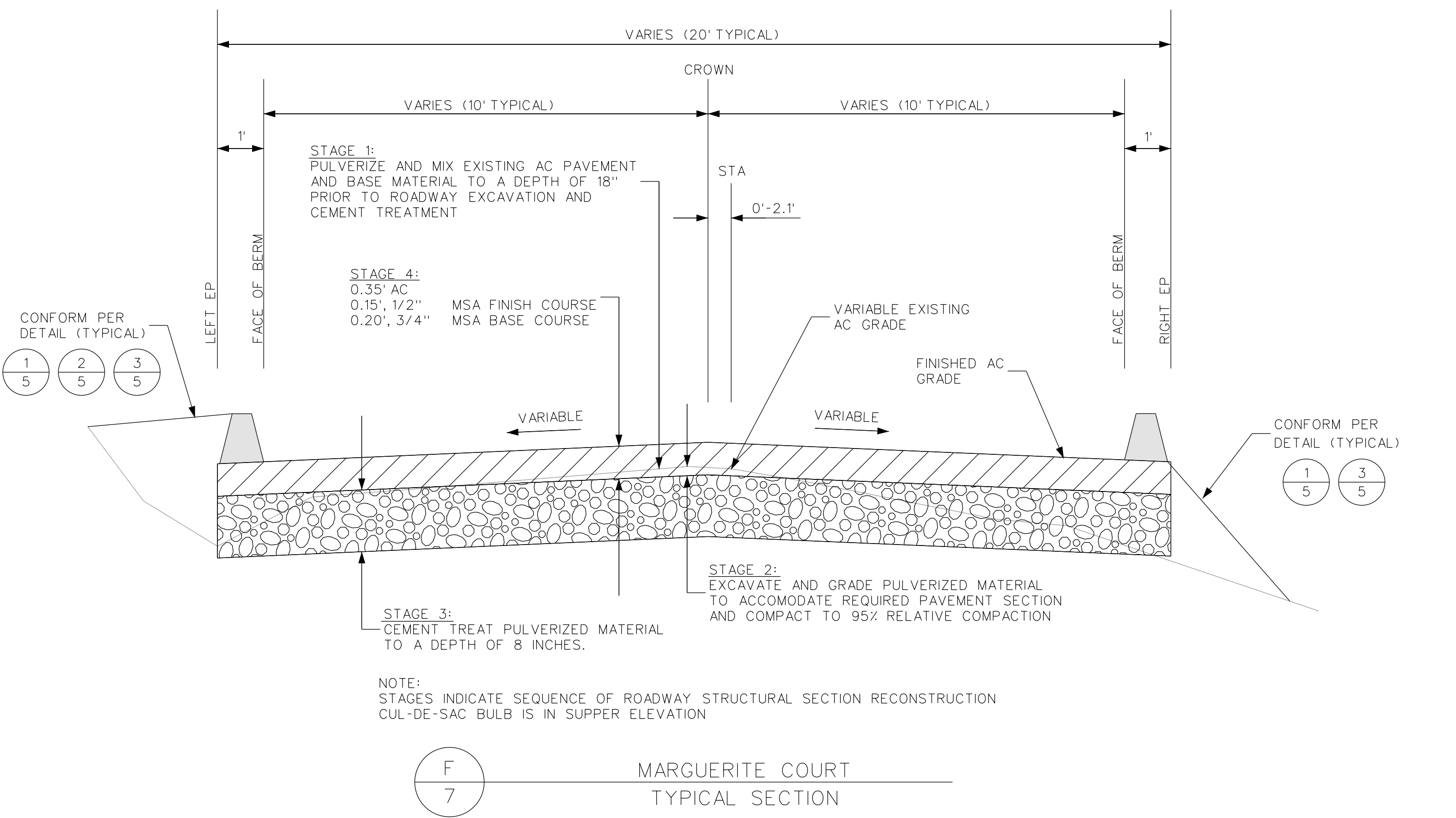
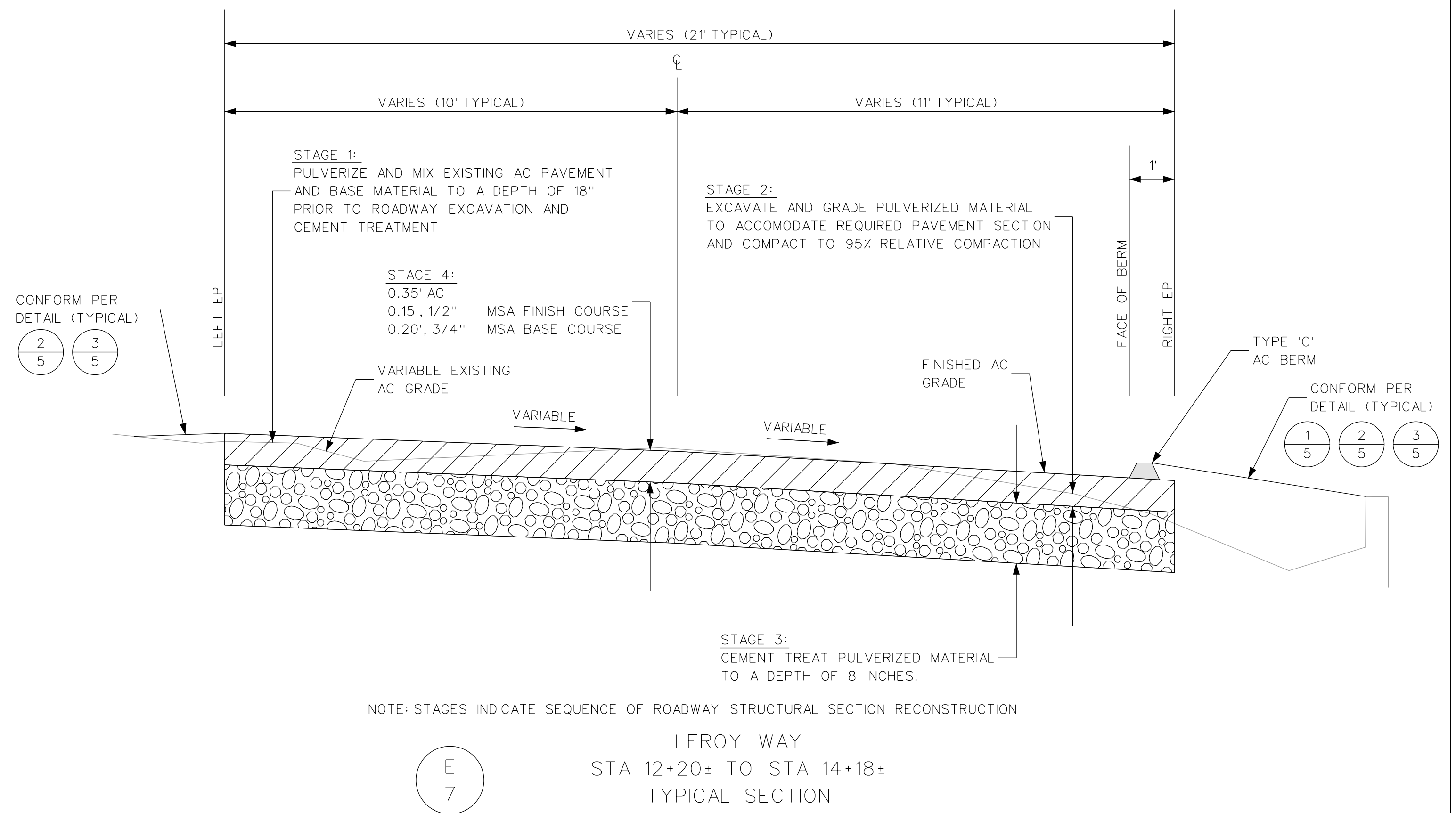
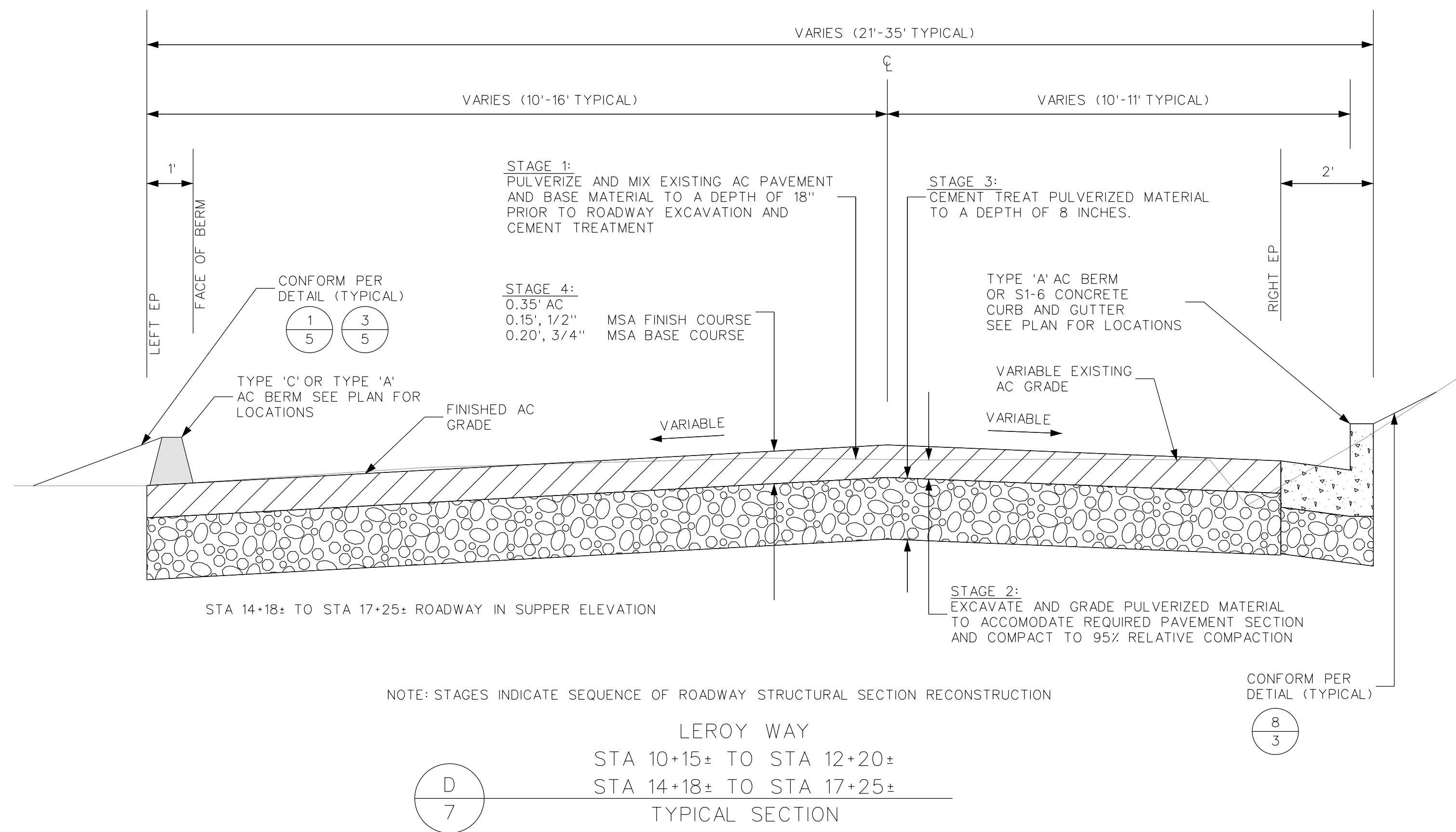


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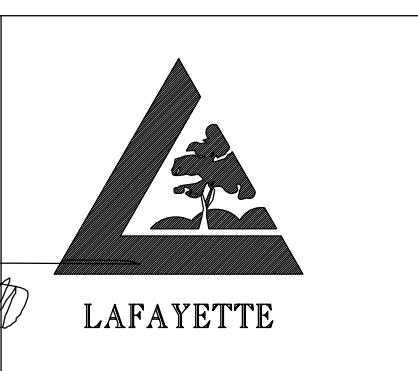
TYPICAL SECTIONS
 SCALE: NTS
 SHEET No. 6 of 25



DATE	MARK	REVISION	INIT.

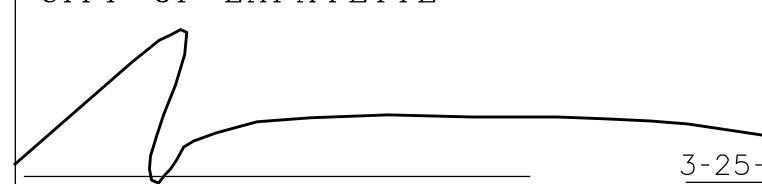
Designed by: JML
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SIGN: 
 DATE: 3-25-13



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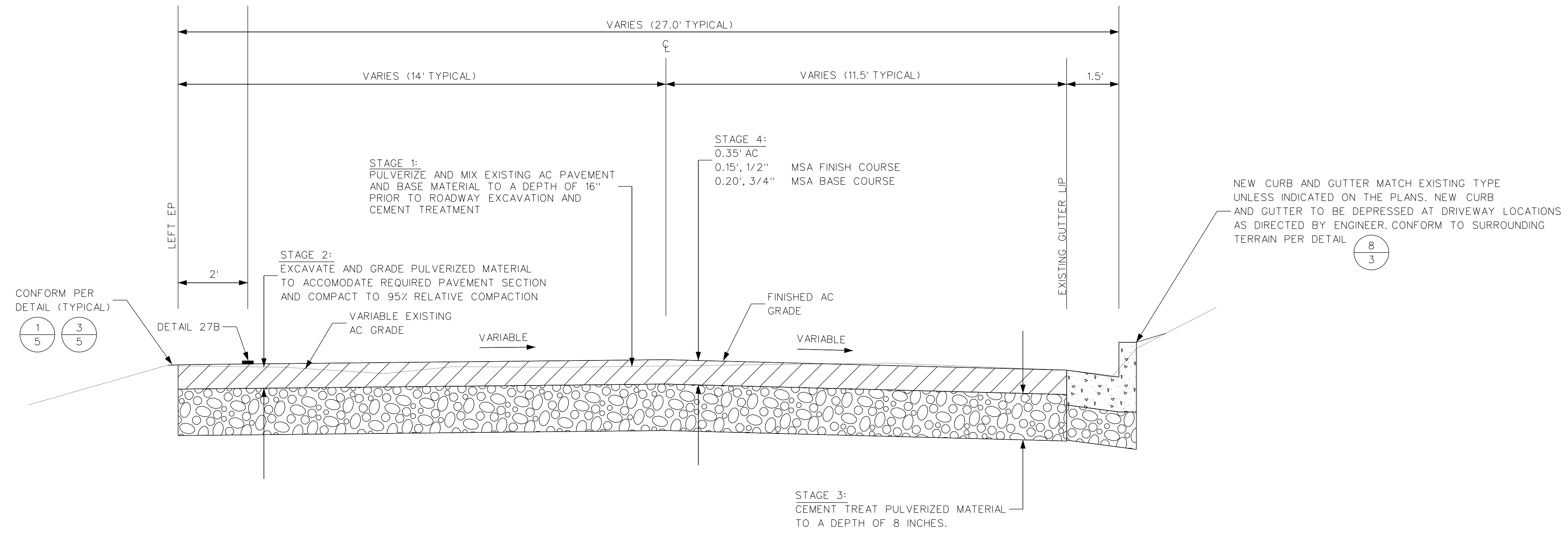

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 Date: 3-25-13

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 PROJECT NO. 014-9694

2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

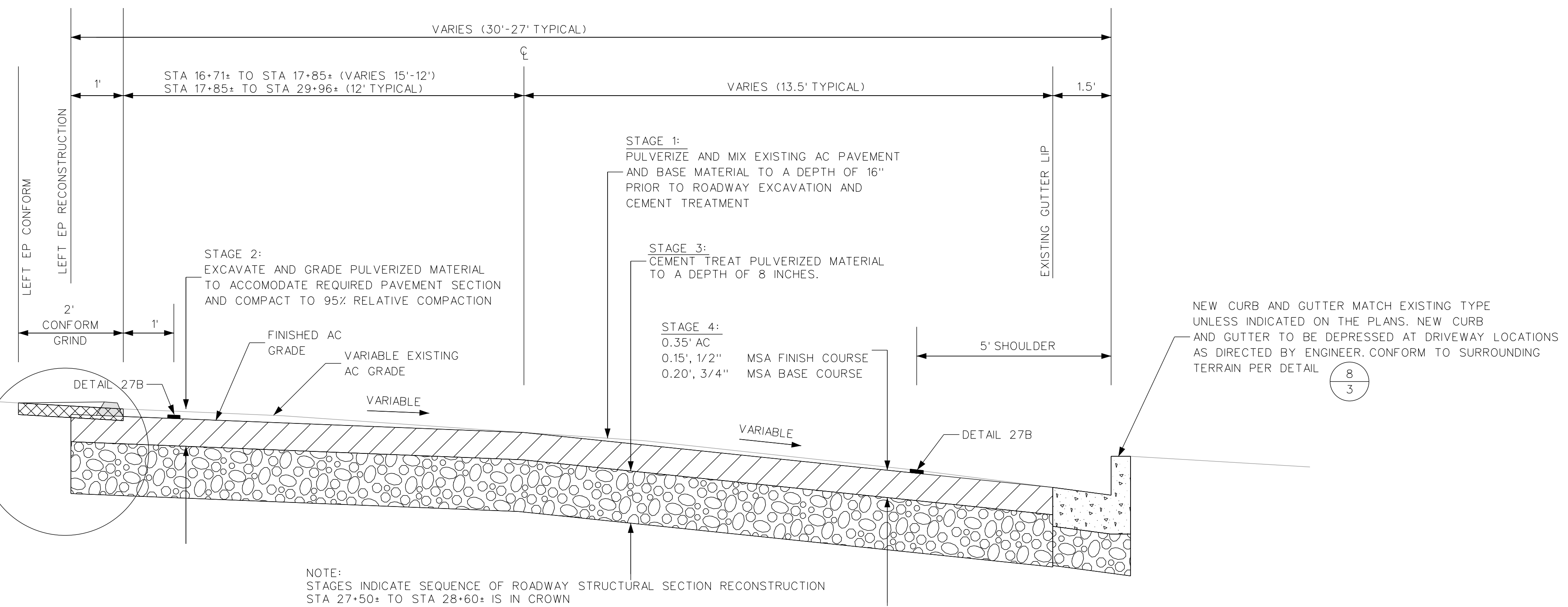
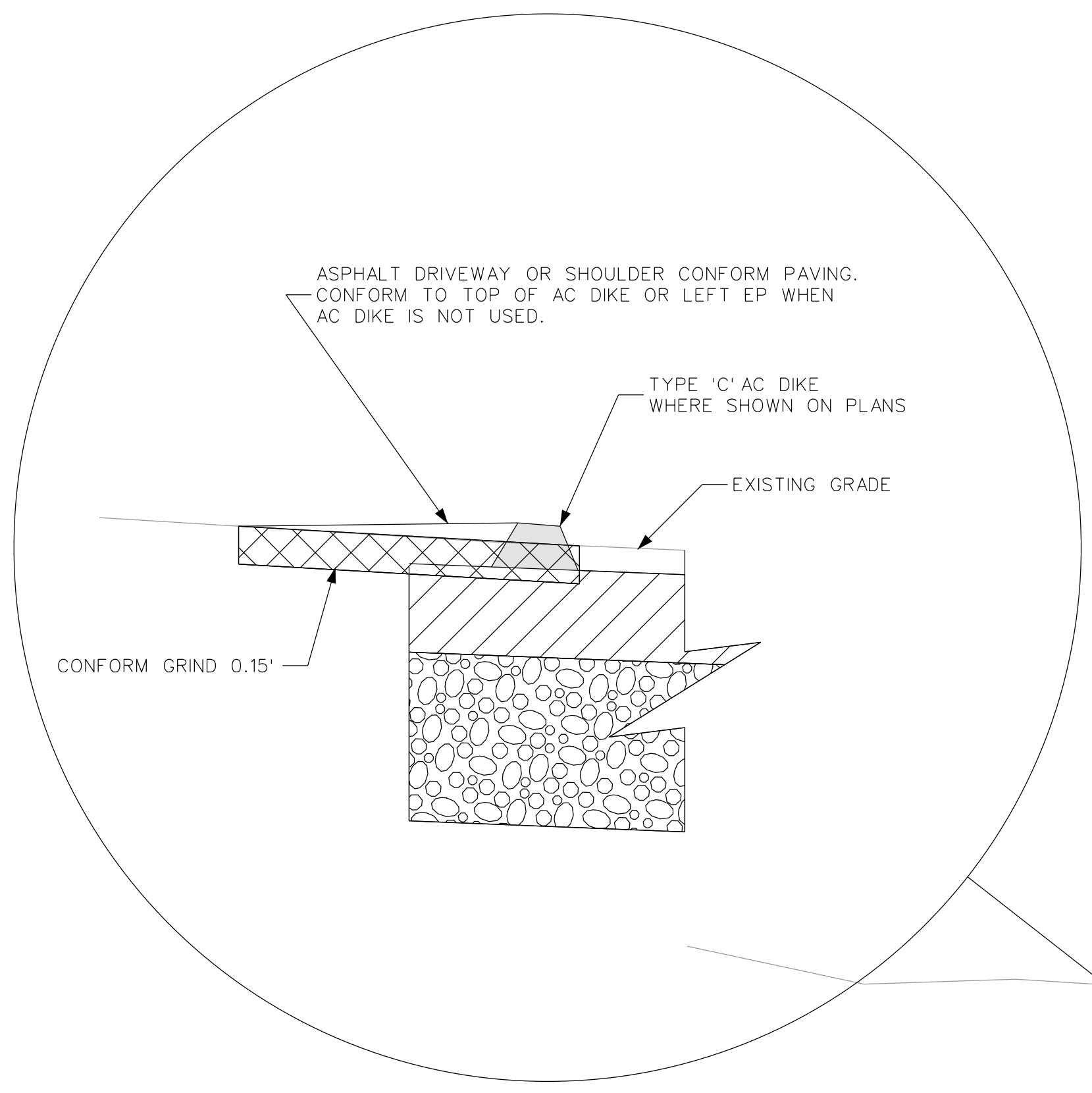
TYPICAL SECTIONS

SCALE: NTS _____ SHEET No. 7 of 25



NOTE: STAGES INDICATE SEQUENCE OF ROADWAY STRUCTURAL SECTION RECONSTRUCTION

VIA ROBLE
 STA 10+21± TO STA 16+71±
 TYPICAL SECTION

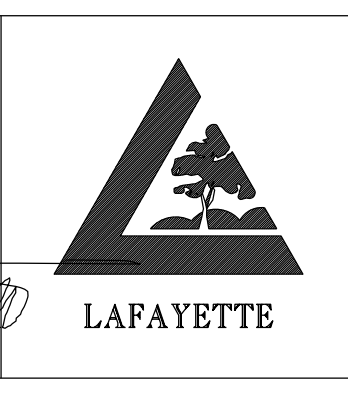


NOTE: STAGES INDICATE SEQUENCE OF ROADWAY STRUCTURAL SECTION RECONSTRUCTION
 STA 27-50± TO STA 28-60± IS IN CROWN

VIA ROBLE
 STA 16+71± TO STA 29+96±
 TYPICAL SECTION

DATE	MARK	REVISION	INIT.

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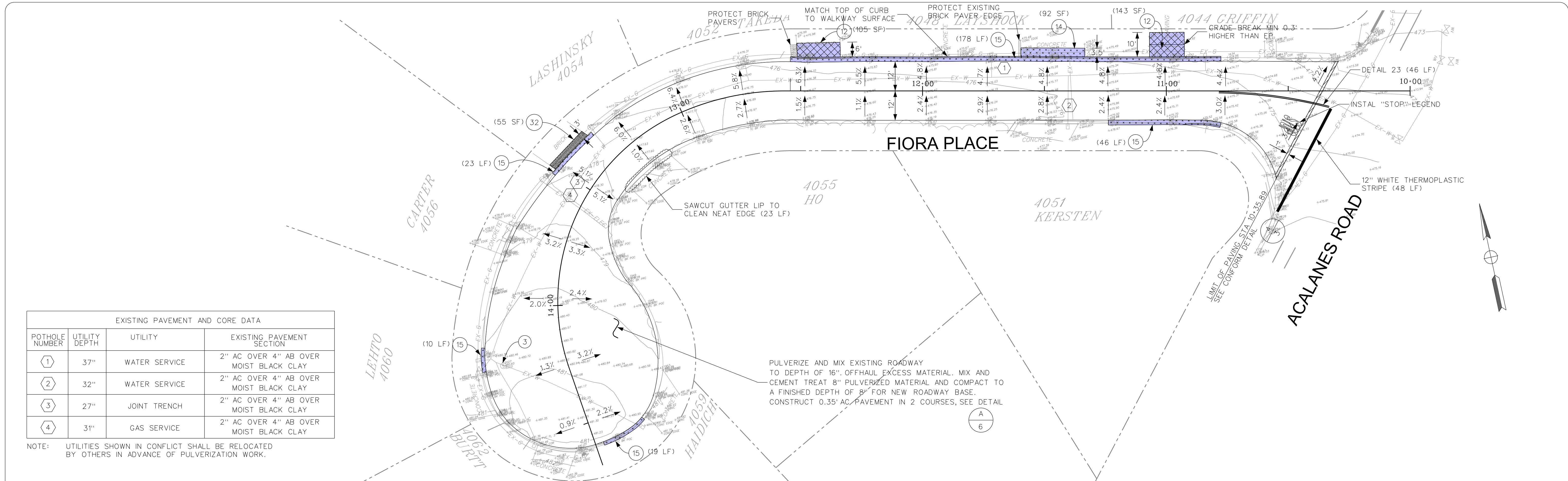


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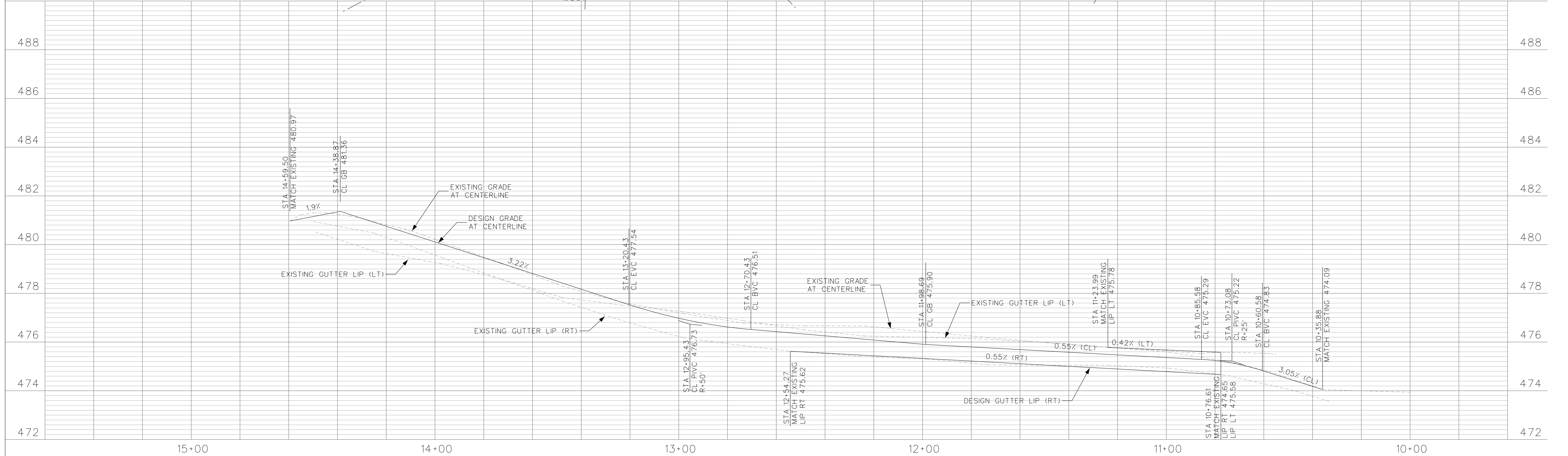
TYPICAL SECTIONS
 SCALE: NTS
 SHEET No. 8 of 25



EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
①	37"	WATER SERVICE	2" AC OVER 4" AB OVER MOIST BLACK CLAY
②	32"	WATER SERVICE	2" AC OVER 4" AB OVER MOIST BLACK CLAY
③	27"	JOINT TRENCH	2" AC OVER 4" AB OVER MOIST BLACK CLAY
④	31"	GAS SERVICE	2" AC OVER 4" AB OVER MOIST BLACK CLAY

NOTE: UTILITIES SHOWN IN CONFLICT SHALL BE RELOCATED BY OTHERS IN ADVANCE OF PULVERIZATION WORK.

PULVERIZE AND MIX EXISTING ROADWAY TO DEPTH OF 16". OFFHAUL EXCESS MATERIAL. MIX AND CEMENT TREAT 8" PULVERIZED MATERIAL AND COMPACT TO A FINISHED DEPTH OF 8" FOR NEW ROADWAY BASE. CONSTRUCT 0.35' AC PAVEMENT IN 2 COURSES, SEE DETAIL



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2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

FIORA PLACE
 PLAN AND PROFILE

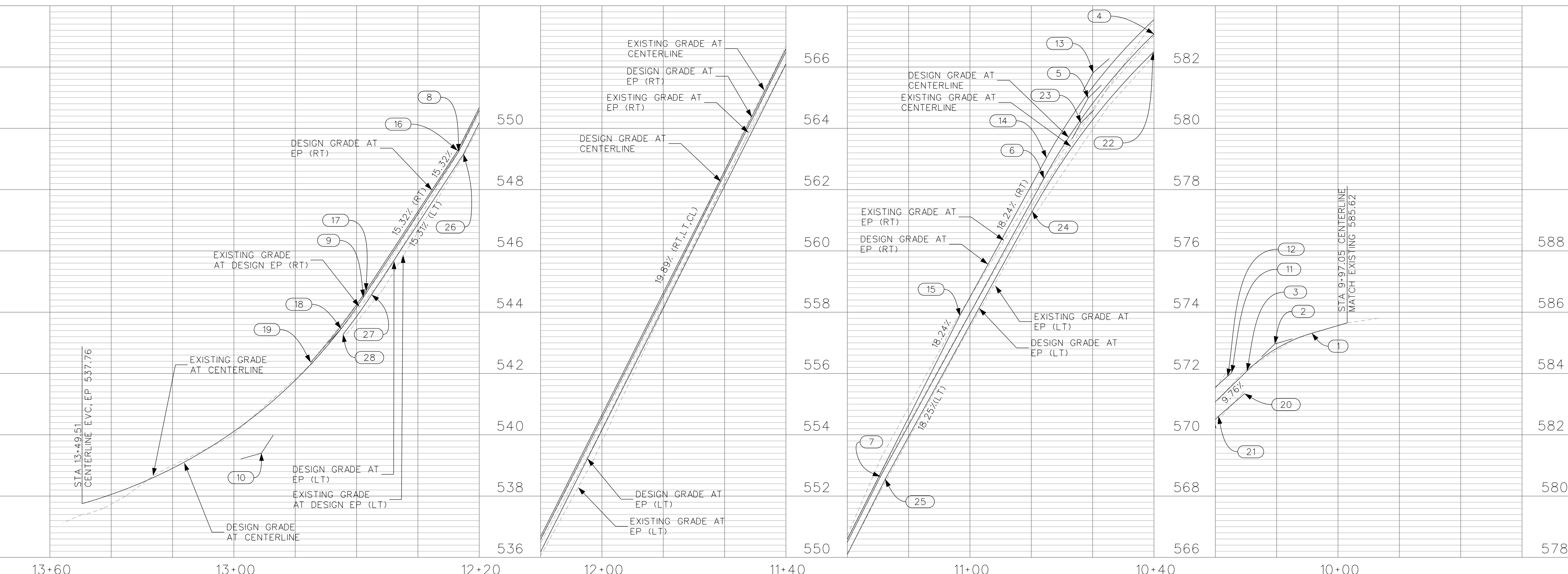
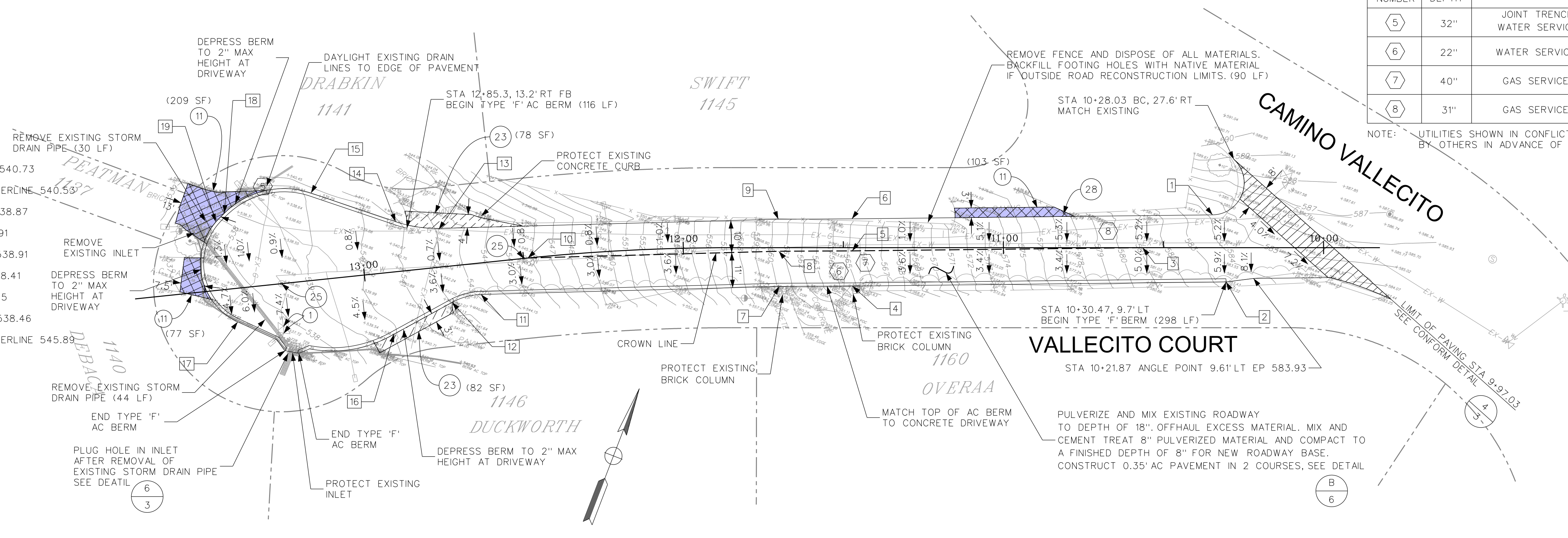
SCALE: 1"=20'

SHEET No. 9 of 25

EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
5	32"	JOINT TRENCH WATER SERVICE	3" AC OVER AB TRENCH
6	22"	WATER SERVICE	5" AC OVER 2" AB OVER MOIST BLACK CLAY
7	40"	GAS SERVICE	6" AC OVER 5" AB OVER MOIST BLACK CLAY
8	31"	GAS SERVICE	4" AC OVER AB TRENCH

NOTE: UTILITIES SHOWN IN CONFLICT SHALL BE RELOCATED BY OTHERS IN ADVANCE OF PULVERIZATION WORK.

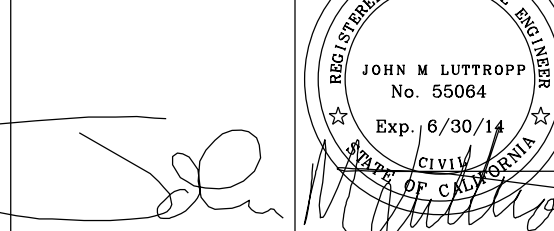
- 1 STA 10-34.69 EC 10.24' RT EP 540.80
- 2 STA 10-30.47 ANGLE POINT 10.71' LT EP 540.73
- 3 STA 10-56.50 CROWN POINT MATCH CENTERLINE 540.53
- 4 STA 11-47.16 ANGLE POINT 12.01' LT EP 538.87
- 5 STA 11-47.24 CROWN POINT 1.01' LT 538.91
- 6 STA 11-47.32 ANGLE POINT 8.99' RT EP 538.91
- 7 STA 11-70.01 ANGLE POINT 12.11' LT EP 538.41
- 8 STA 11-70.18 CROWN POINT 1.12' LT 538.45
- 9 STA 11-70.34 ANGLE POINT 8.88' RT EP 538.46
- 10 STA 12-48.66 CROWN POINT MATCH CENTERLINE 545.89
- 11 STA 12-64.39 BC 9.82' LT EP 543.32
- 12 STA 12-73.66 EC 11.32' LT EP 542.05
- 13 STA 12-74.99 BC 12.06' RT EP 542.36
- 14 STA 12-88.60 EC 15.58' RT EP 541.15
- 15 STA 13-13.92 BC 27.20' RT EP 539.42
- 16 STA 12-93.81 BC 19.32' LT EP 539.72
- 17 STA 13-40.88 BC 10.43' LT EP 537.56
- 18 STA 13-41.50 EC 23.76' RT EP 538.29
- 19 STA 13-43.24 BC 22.35' RT EP 538.23

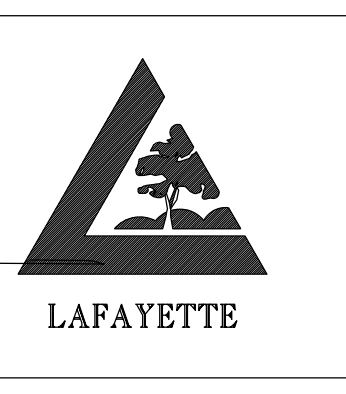


- 1 STA 10-08.53 CROWLINE BVC 585.32
- 2 STA 10-61.49 CROWLINE PIVC 580.99, R=50.52', VC=21.15'
- 3 STA 10-29.66 CROWLINE EVC 584.9
- 4 STA 10-40.01 CROWLINE BVC 583.08
- 5 STA 10-61.49 CROWLINE PIVC 580.99 R=200', VC=46.23'
- 6 STA 10-75.90 CROWLINE EVC 578.36
- 7 STA 11-29.20 CROWLINE GB 568.64
- 8 STA 12-26.74 CROWLINE GB 549.24
- 9 STA 12-57.79 CROWLINE BVC 544.49
- 10 STA 10-91.02 CROWLINE PIVC 539.40 R=162', VC=91.72'
- 11 STA 10-34.69 EP(RT) 584.02
- 12 STA 10-36.01 EP(RT), BVC 583.91
- 13 STA 10-59.83 EP(RT) PIVC 581.82 R=180', VC 39.06'
- 14 STA 10-75.07 EP(RT), EVC 579.04
- 15 STA 11-03.33 EP(RT), GB 573.88
- 16 STA 12-27.07 EP(RT), GB 549.27
- 17 STA 12-56.96 EP(RT), BC 544.69
- 18 STA 12-65.04 EP(RT) PIVC 543.46 R=183.55', VC 18.03'
- 19 STA 12-74.99 EP(RT), PCC 542.36
- 20 STA 10-30.47 EP(LT) 583.34
- 21 STA 10-38.97 EP(LT), GB 582.60
- 22 STA 10-40.26 EP(LT), BVC 582.48
- 23 STA 10-79.73 EP(RT) PIVC 580.18 R=220.0', VC 39.47"
- 24 STA 10-79.73 EP(LT), EVC 577.29
- 25 STA 11-27.63 EP(LT), GB 568.55
- 26 STA 12-25.14 EP(LT), GB 549.16
- 27 STA 12-55.10 EP(LT) BVC 544.57
- 28 STA 12-64.39 EP(LT) PIVC 543.32

DATE	MARK	REVISION	INIT.


Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 3-25-13

SIGN: 
 DATE: 3-25-13



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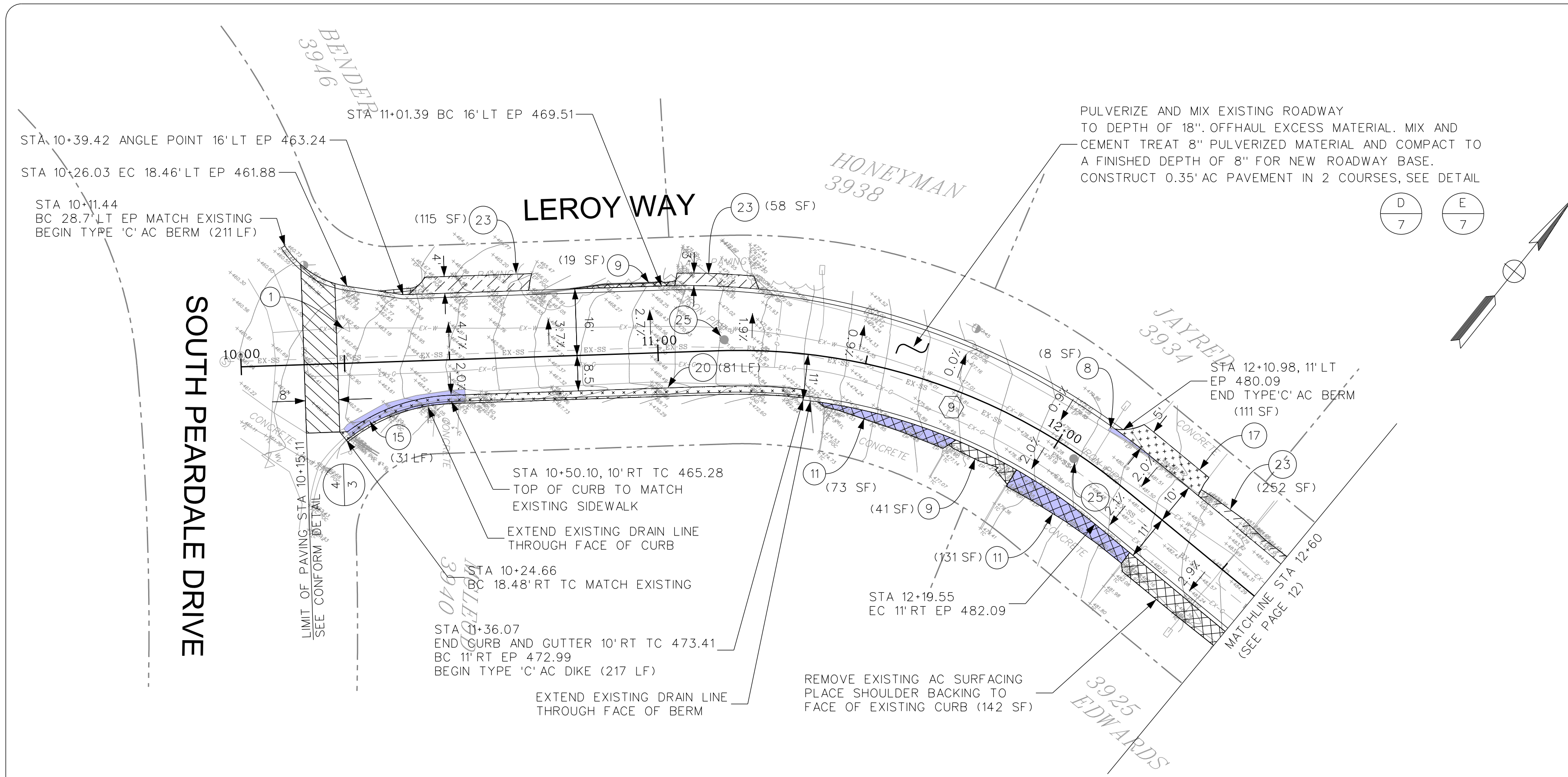

 Tony Coe, Engineering Services Manager
 Date: 3-25-13

CITY OF LAFAYETTE
 PROJECT NO. 014-9694

2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

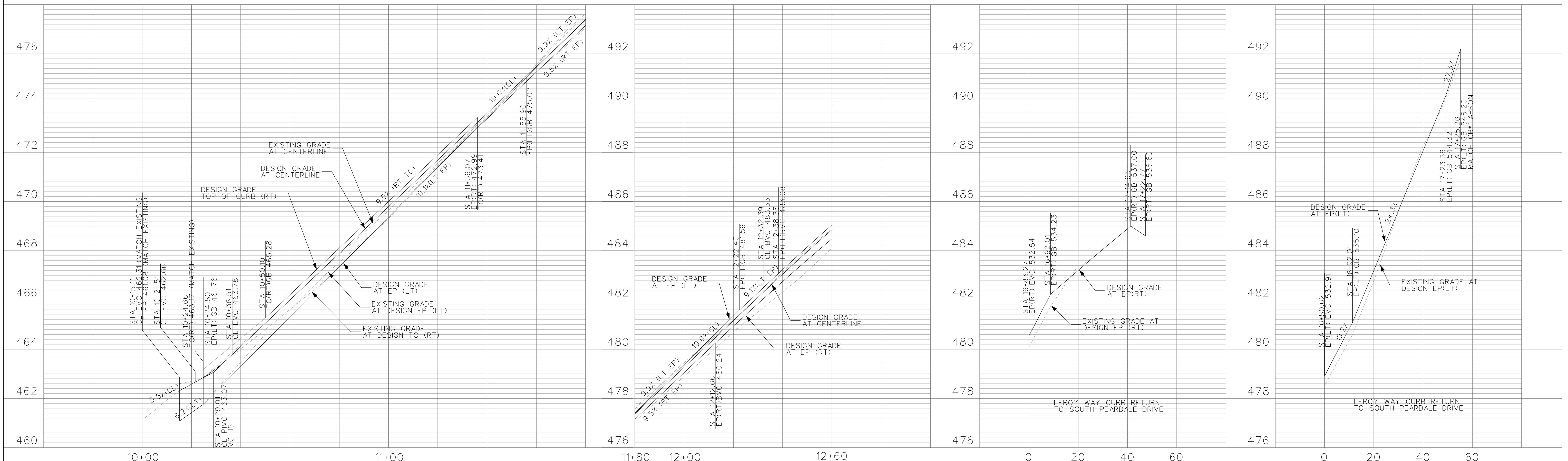
VALLECITO COURT
 PLAN AND PROFILE

SCALE: 1"=20'
 SHEET No. 10 of 25



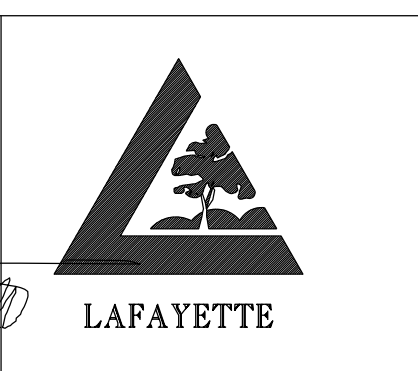
EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
9	33"	GAS SERVICE	4" AC OVER 6" AB OVER MOIST BLACK CLAY

NOTE: UTILITIES SHOWN IN CONFLICT SHALL BE RELOCATED BY OTHERS IN ADVANCE OF PULVERIZATION WORK.



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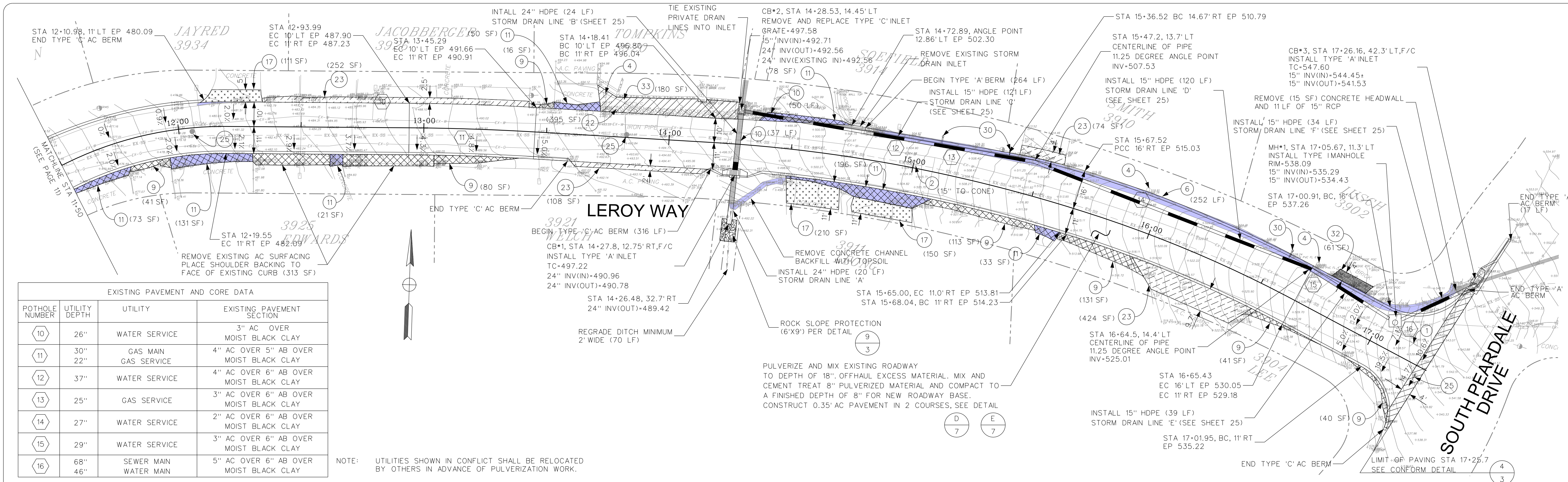
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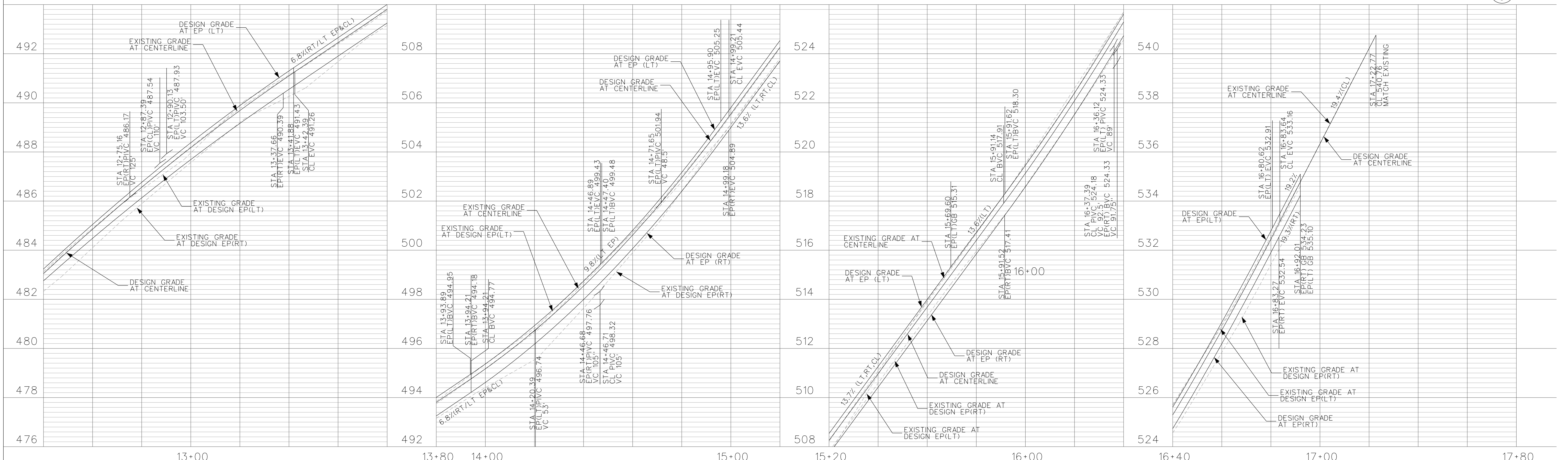
LEROY WAY
 PLAN AND PROFILE
 SCALE: 1"=20'
 SHEET No. 11 of 25



EXISTING PAVEMENT AND CORE DATA

POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
10	26"	WATER SERVICE	3" AC OVER MOIST BLACK CLAY
11	30" 22"	GAS MAIN GAS SERVICE	4" AC OVER 5" AB OVER MOIST BLACK CLAY
12	37"	WATER SERVICE	4" AC OVER 6" AB OVER MOIST BLACK CLAY
13	25"	GAS SERVICE	3" AC OVER 6" AB OVER MOIST BLACK CLAY
14	27"	WATER SERVICE	2" AC OVER 6" AB OVER MOIST BLACK CLAY
15	29"	WATER SERVICE	3" AC OVER 6" AB OVER MOIST BLACK CLAY
16	68" 46"	SEWER MAIN WATER MAIN	5" AC OVER 6" AB OVER MOIST BLACK CLAY

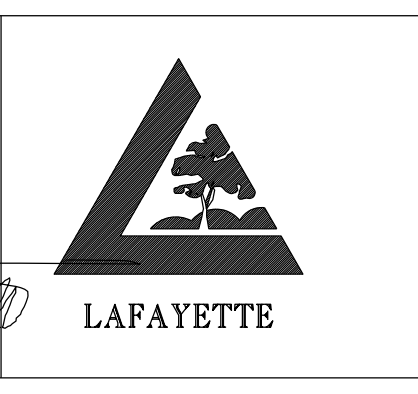
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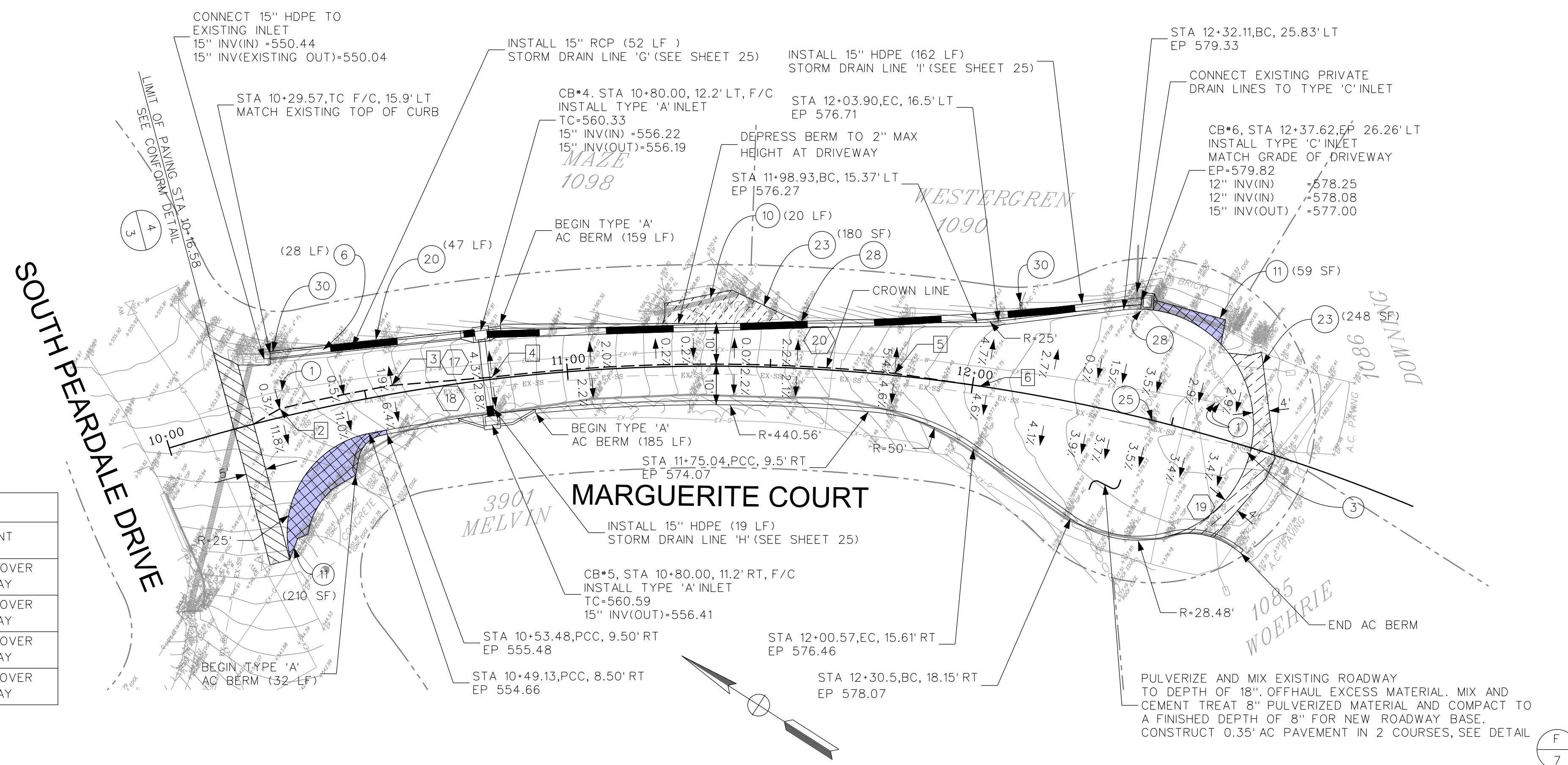
CITY OF LAFAYETTE
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2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

LERROY WAY
 PLAN AND PROFILE

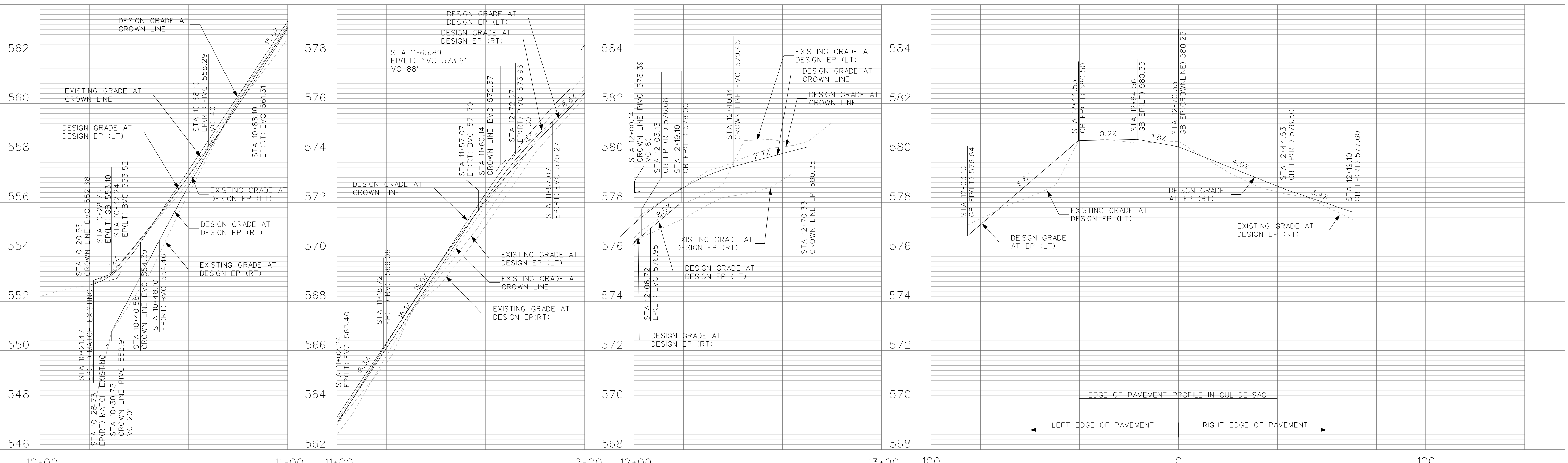
SCALE: 1"=20'
 SHEET No. 12 of 25

- 2 STA 10+28.73, CROWN OFFSET 2.1' LT
- 3 STA 10+56.82, CROWN OFFSET 2.1' LT
- 4 STA 10+81.42, CROWN OFFSET 0.5' LT
- 5 STA 11+80.60, CROWN OFFSET 0.5' LT
- 6 STA 12+01.80, CROWN OFFSET 0.0' LT




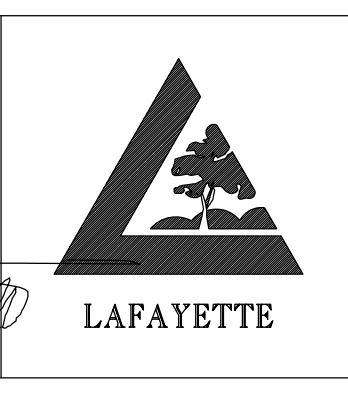
EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
17	40"	WATER MAIN	3" AC OVER 4" AB OVER MOIST BLACK CLAY
18	60"	SEWER MAIN	5" AC OVER 2" AB OVER MOIST BLACK CLAY
19	30"	WATER SERVICE	2" AC OVER 3" AB OVER MOIST BLACK CLAY
20	N/A	NO UTILITY	3" AC OVER 6" AB OVER MOIST BLACK CLAY

NOTE: UTILITIES SHOWN IN CONFLICT SHALL BE RELOCATED BY OTHERS IN ADVANCE OF PULVERIZATION WORK.

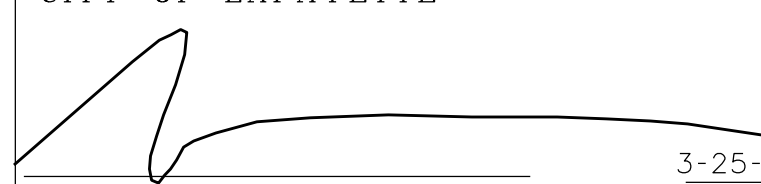


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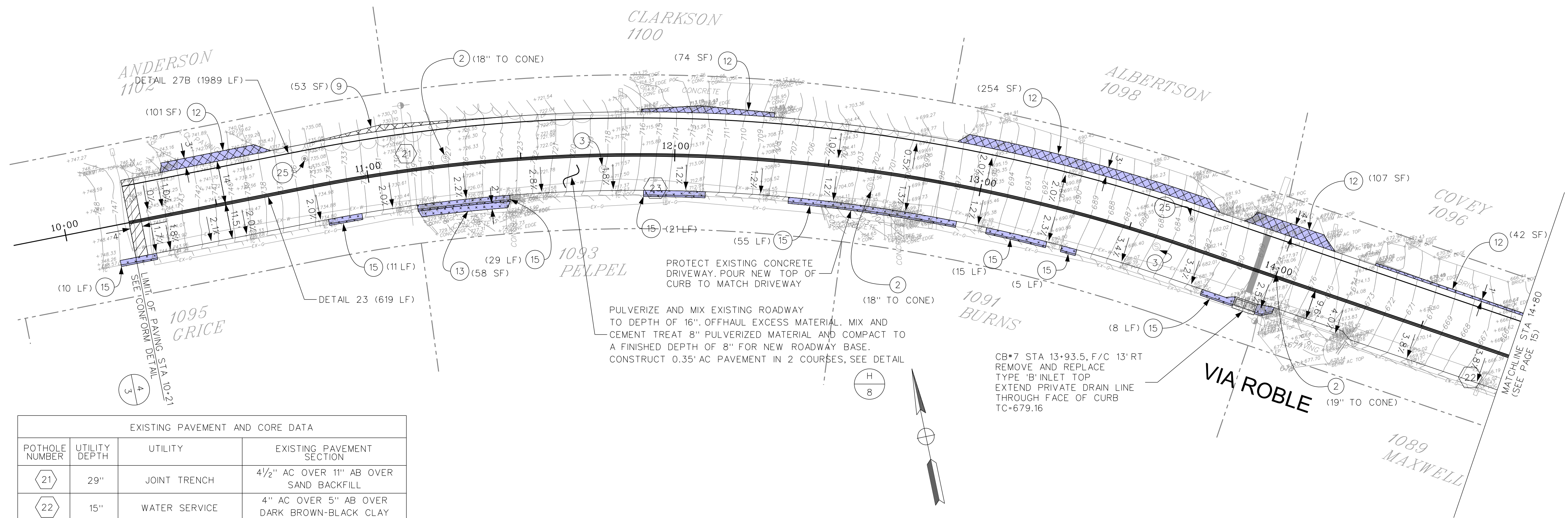


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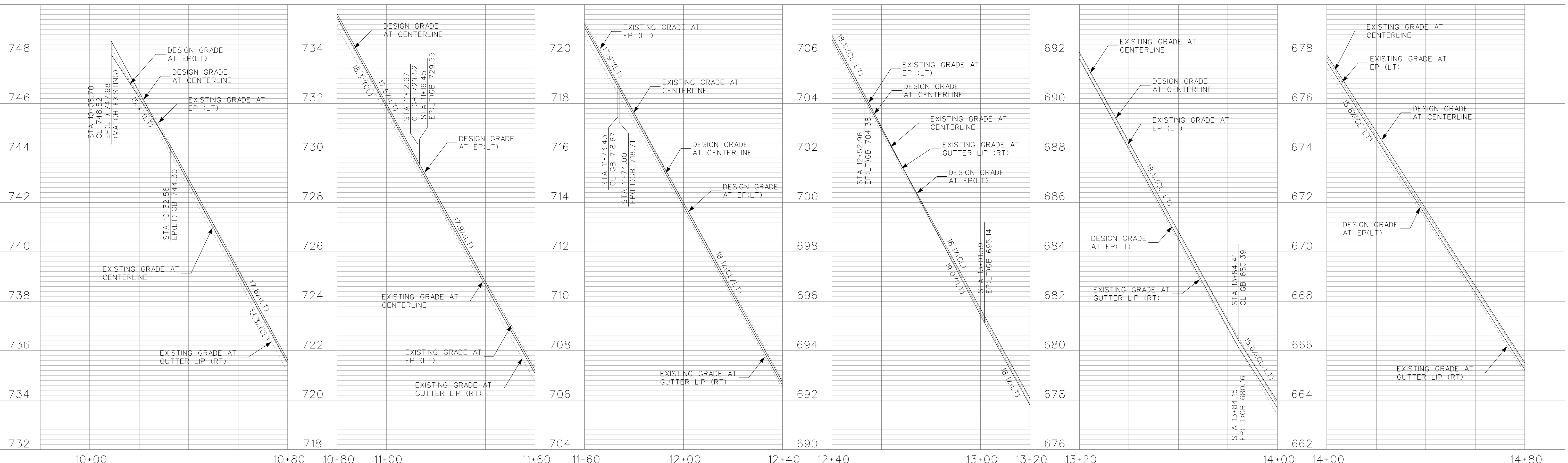
CITY OF LAFAYETTE
 PROJECT NO. 014-9694
 2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

MARGUERITE COURT
 PLAN AND PROFILE
 SCALE: 1"=20'
 SHEET No. 13 of 25



EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
21	29"	JOINT TRENCH	4 1/2" AC OVER 11" AB OVER SAND BACKFILL
22	15"	WATER SERVICE	4" AC OVER 5" AB OVER DARK BROWN-BLACK CLAY
23	24"	WATER SERVICE	2" AC OVER 5" AB OVER DARK BROWN-BLACK CLAY

NOTE: UTILITIES SHOWN IN CONFLICT SHALL BE RELOCATED BY OTHERS IN ADVANCE OF PULVERIZATION WORK.



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Designed by: JML
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John M. Luttrupp
 No. 55064
 Exp. 6/30/14
 State of California
 Professional Engineer

DATE: 3-25-13



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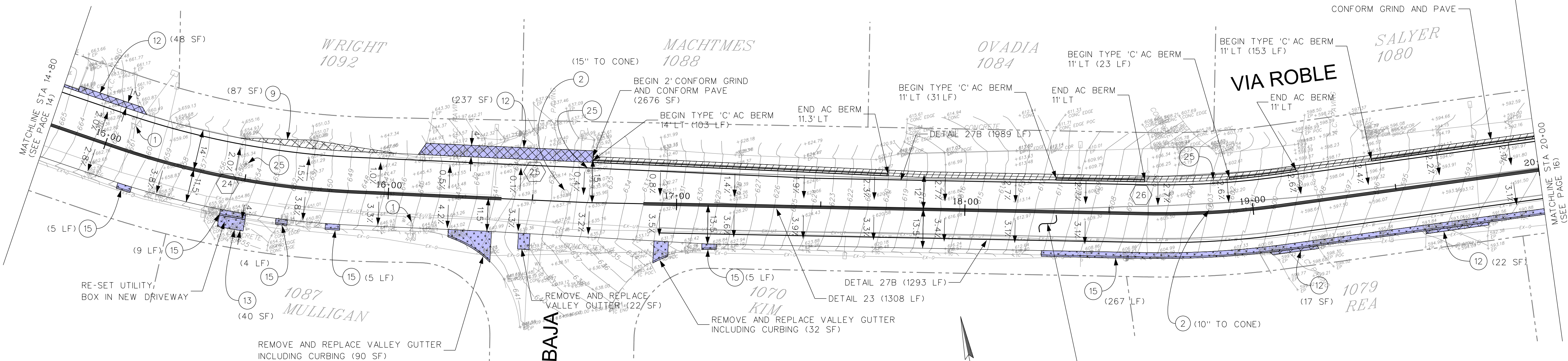
CITY OF LAFAYETTE
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2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

VIA ROBLE
 PLAN AND PROFILE

SCALE: 1"=20'

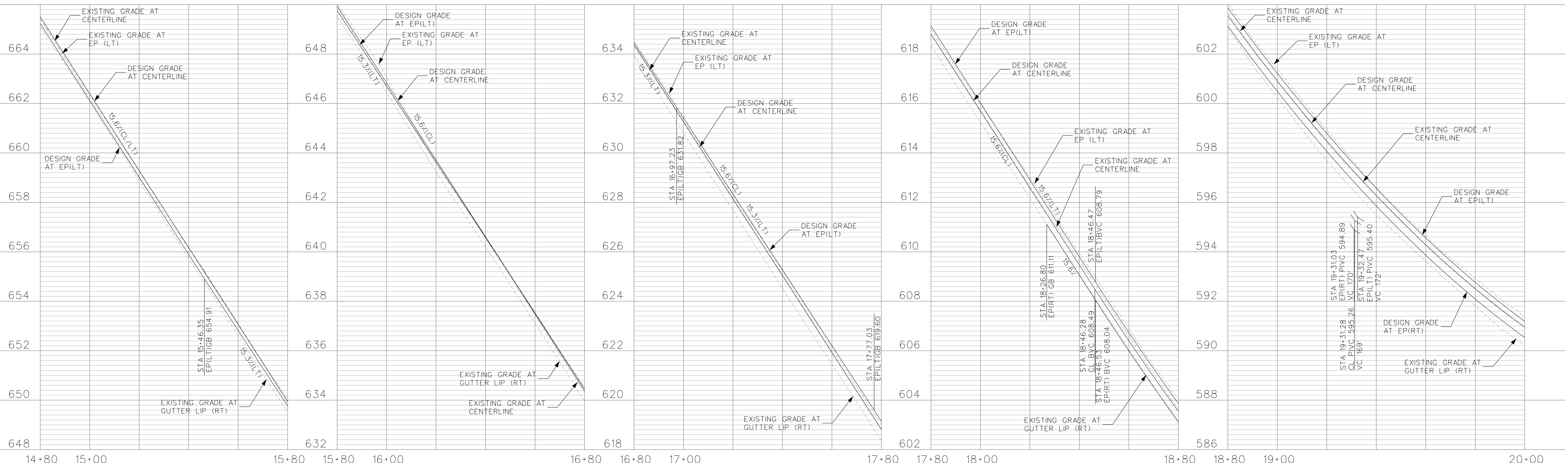
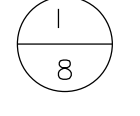
SHEET No. 14 of 25



EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
24	28", 29" 29"	JOINT TRENCH	7" AC OVER AB TRENCH DARK BROWN-BLACK CLAY
25	24"	GAS SERVICE	4" AC OVER 5" AB OVER MOIST BLACK CLAY
26	21"	GAS SERVICE	2" AC OVER 5" AB OVER MOIST BLACK CLAY

NOTE: UTILITIES SHOWN IN CONFLICT SHALL BE RELOCATED BY OTHERS IN ADVANCE OF PULVERIZATION WORK.

PULVERIZE AND MIX EXISTING ROADWAY TO DEPTH OF 16". OFFHAUL EXCESS MATERIAL. MIX AND CEMENT TREAT 8" PULVERIZED MATERIAL AND COMPACT TO A FINISHED DEPTH OF 8" FOR NEW ROADWAY BASE. CONSTRUCT 0.35" AC PAVEMENT IN 2 COURSES, SEE DETAIL



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2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

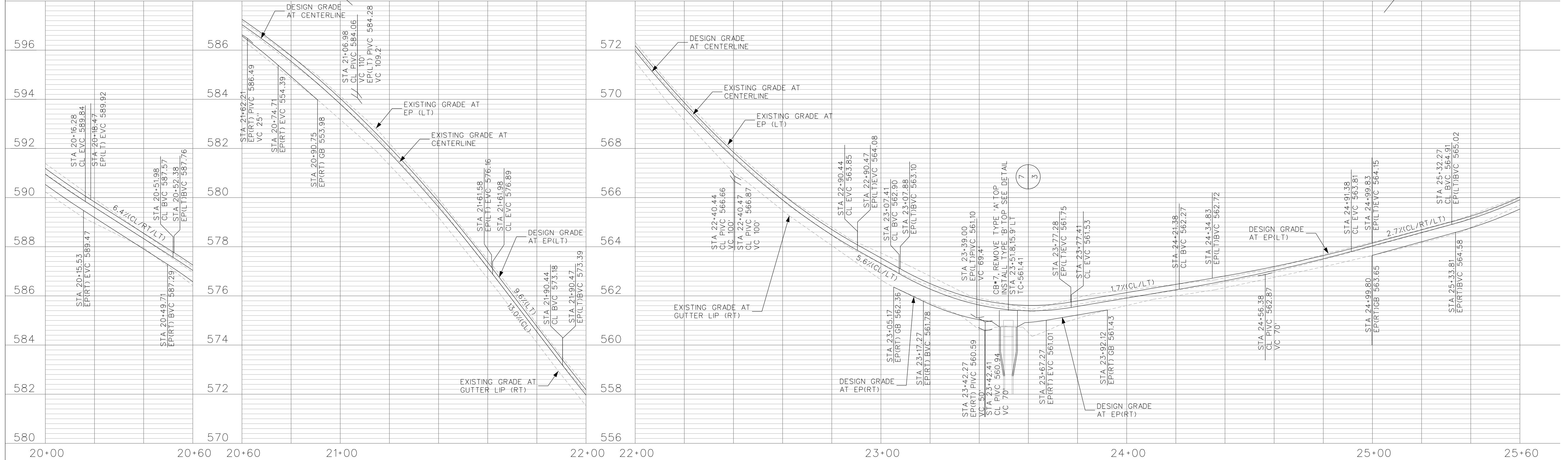
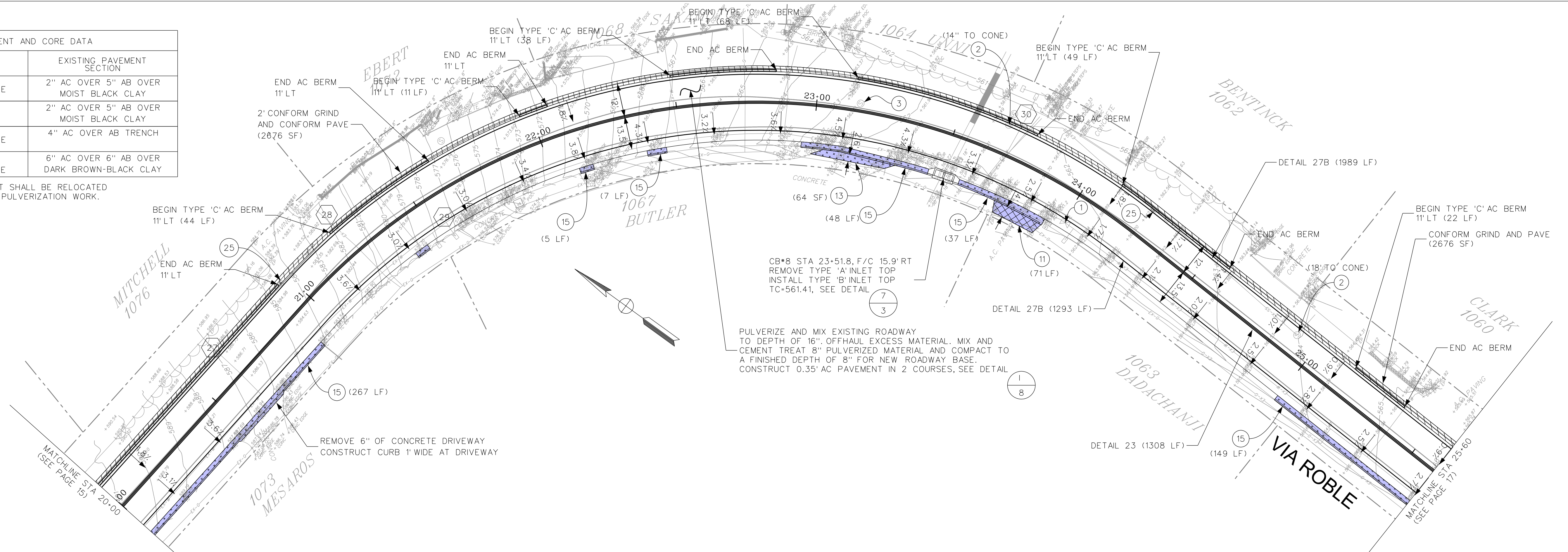
VIA ROBLE
 PLAN AND PROFILE

SCALE: 1"=20'

SHEET No. 15 of 25

EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
27	16"	WATER SERVICE	2" AC OVER 5" AB OVER MOIST BLACK CLAY
28	16"	GAS SERVICE	2" AC OVER 5" AB OVER MOIST BLACK CLAY
29	46"	WATER SERVICE	4" AC OVER AB TRENCH
30	33" 17"	GAS SERVICE WATER SERVICE	6" AC OVER 6" AB OVER DARK BROWN-BLACK CLAY

NOTE: UTILITIES SHOWN IN CONFLICT SHALL BE RELOCATED BY OTHERS IN ADVANCE OF PULVERIZATION WORK.



DATE	MARK	REVISION	INIT.
6-34			
6-32			

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 3-25-13

SIGN: *[Signature]* DATE: 3-25-13

LAFAYETTE

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REVIEWED BY:
 CITY OF LAFAYETTE

[Signature]
 Tony Coe, Engineering Services Manager
 Date: 3-25-13

CITY OF LAFAYETTE
 PROJECT NO. 014-9694

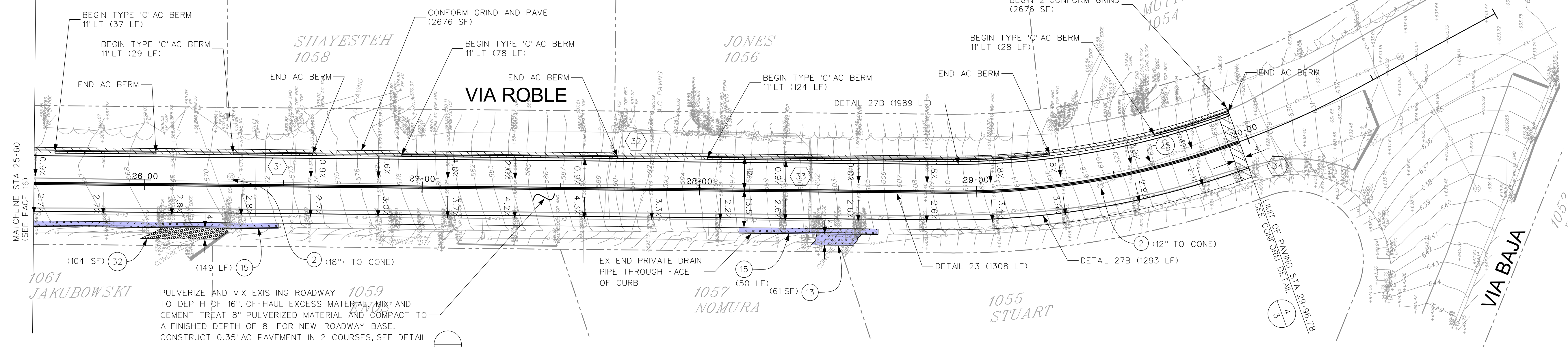
2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

VIA ROBLE
 PLAN AND PROFILE

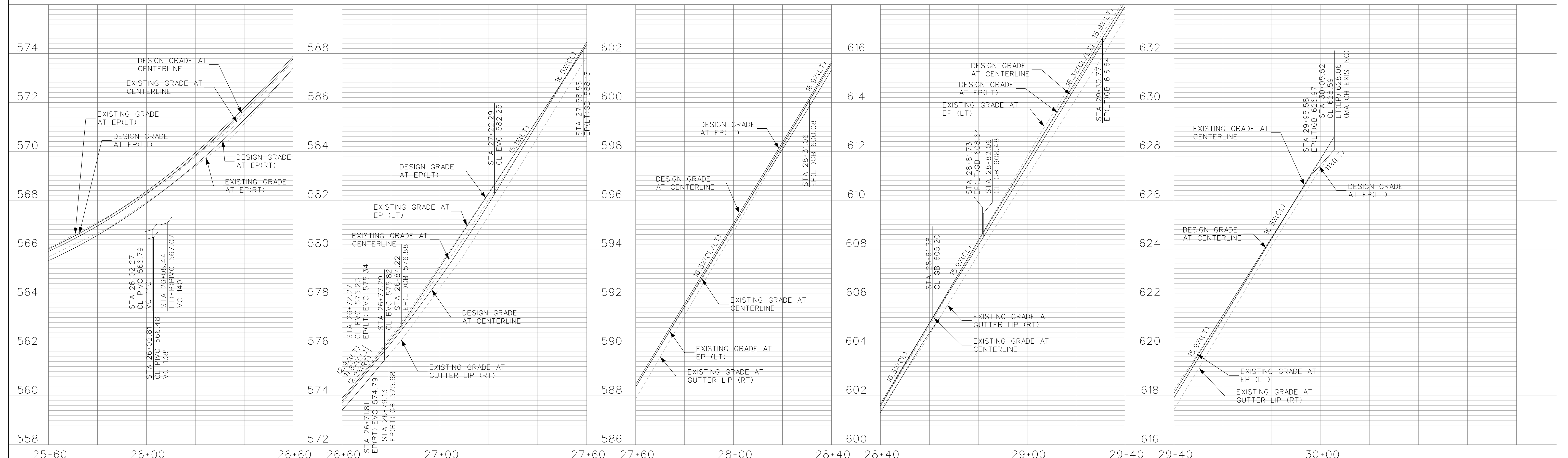
SCALE: 1"=20'
 SHEET No. 16 of 25

EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
31	22"	GAS SERVICE	3" AC OVER 6" AB OVER DARK BROWN CLAY
32	16", 28" 30"	WATER SERVICE X3	3" AC OVER 6" AB OVER DARK BROWN CLAY
33	26" 34"	JOINT TRENCH	4" AC OVER AB TRENCH
34	36"	GAS SERVICE	3" AC OVER 6" AB OVER DARK BROWN CLAY

NOTE: UTILITIES SHOWN IN CONFLICT SHALL BE RELOCATED BY OTHERS IN ADVANCE OF PULVERIZATION WORK.



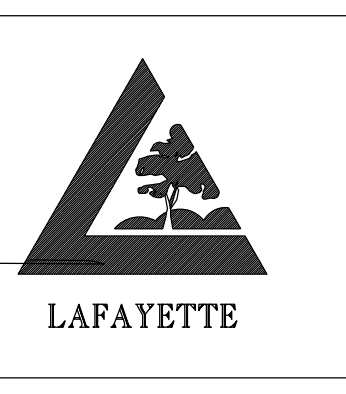
PULVERIZE AND MIX EXISTING ROADWAY TO DEPTH OF 16". OFFHAUL EXCESS MATERIAL AND CEMENT TREAT 8" PULVERIZED MATERIAL AND COMPACT TO A FINISHED DEPTH OF 8" FOR NEW ROADWAY BASE. CONSTRUCT 0.35' AC PAVEMENT IN 2 COURSES, SEE DETAIL



DATE	MARK	REVISION	INIT.

Designed by: JML
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 Checked by: MJM
 Reviewed by: FKS
 Date: 3-25-13

SIGN: *[Signature]* DATE: 3-25-13



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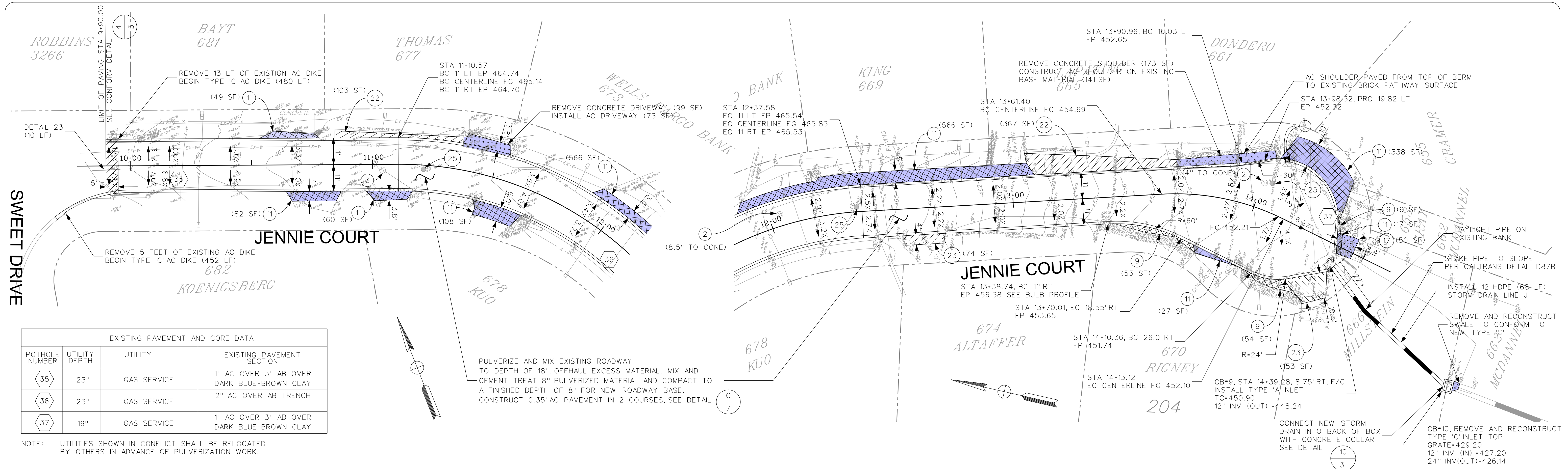
[Signature]
 Tony Coe, Engineering Services Manager
 Date: 3-25-13

CITY OF LAFAYETTE
 PROJECT NO. 014-9694

2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

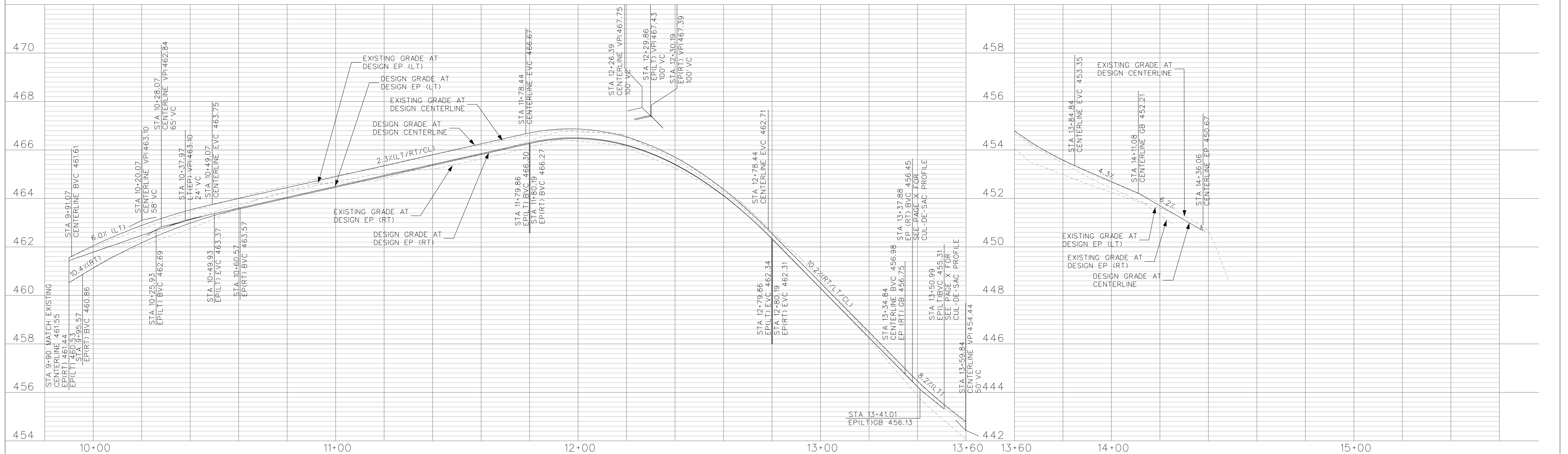
VIA ROBLE
 PLAN AND PROFILE

SCALE: 1"=20'
 SHEET No. 17 of 25



EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
35	23"	GAS SERVICE	1" AC OVER 3" AB OVER DARK BLUE-BROWN CLAY
36	23"	GAS SERVICE	2" AC OVER AB TRENCH
37	19"	GAS SERVICE	1" AC OVER 3" AB OVER DARK BLUE-BROWN CLAY

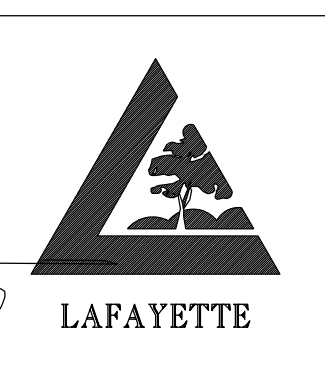
NOTE: UTILITIES SHOWN IN CONFLICT SHALL BE RELOCATED BY OTHERS IN ADVANCE OF PULVERIZATION WORK.



DATE	MARK	REVISION	INIT.

Designed by: JML
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 Checked by: MJM
 Reviewed by: FKS
 Date: 3-25-13

Signature: *[Signature]*
 SIGN: *[Signature]*
 DATE: 3-25-13



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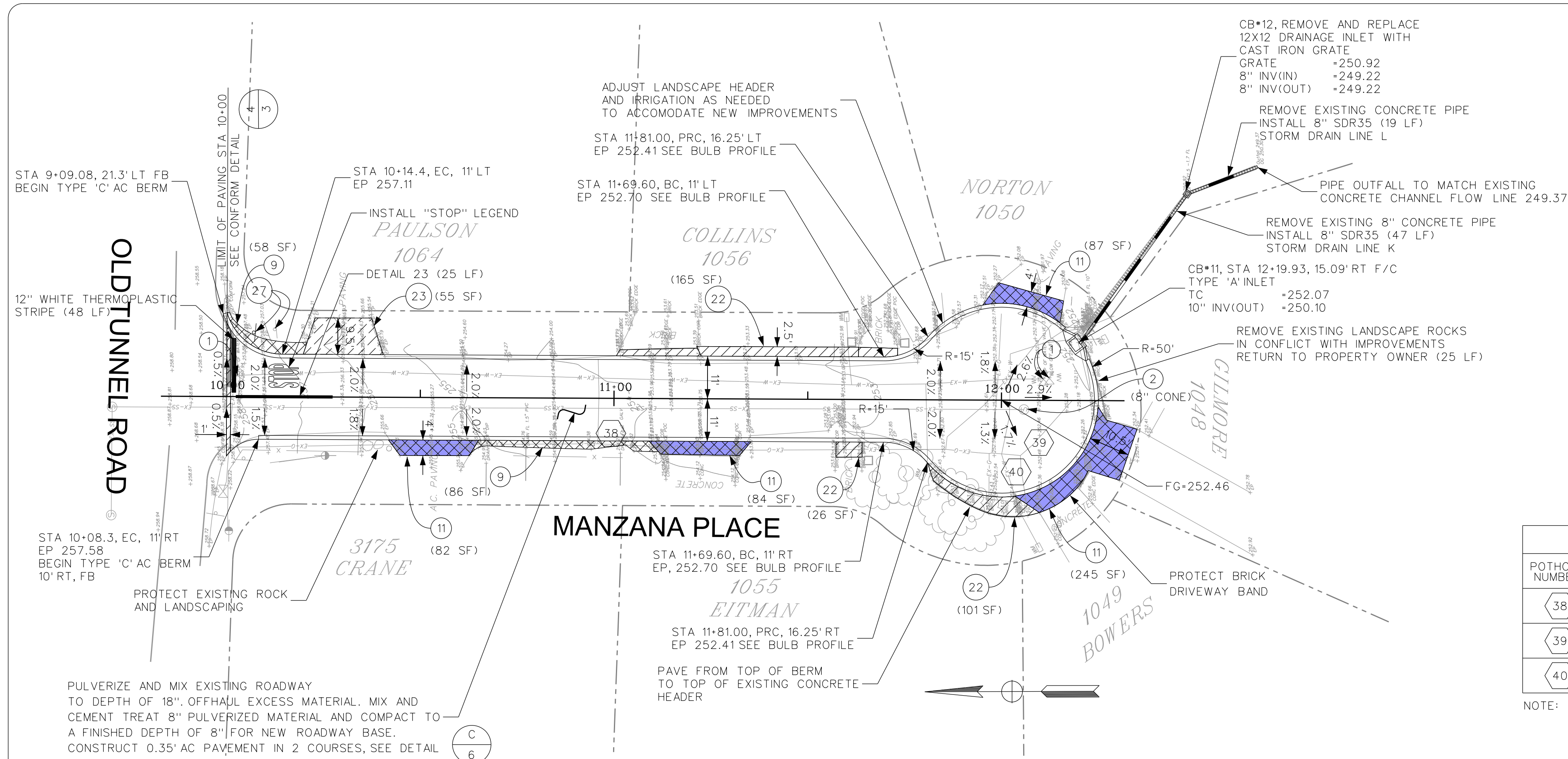
CITY OF LAFAYETTE
 PROJECT NO. 014-9694

2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

JENNIE COURT
 PLAN AND PROFILE

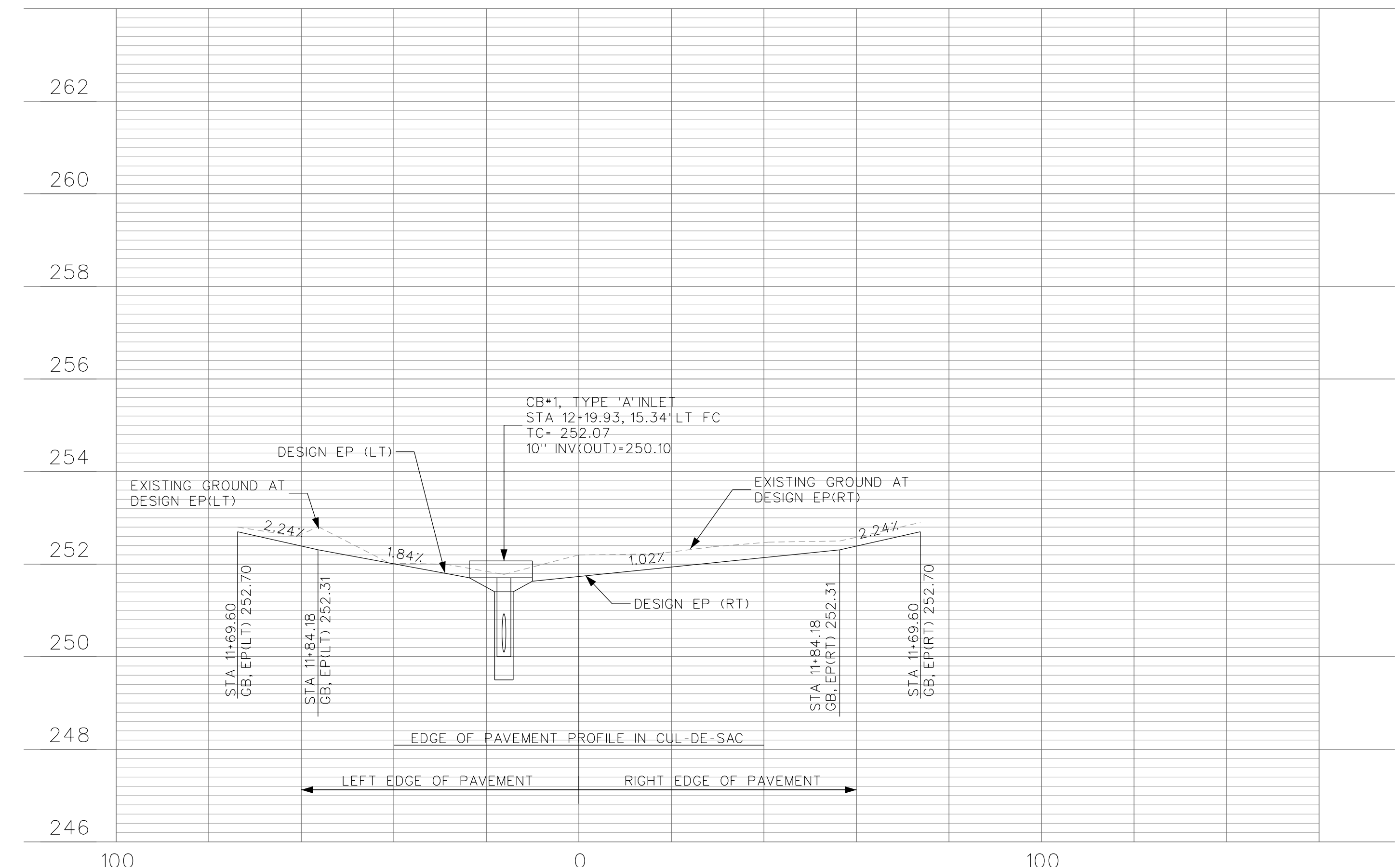
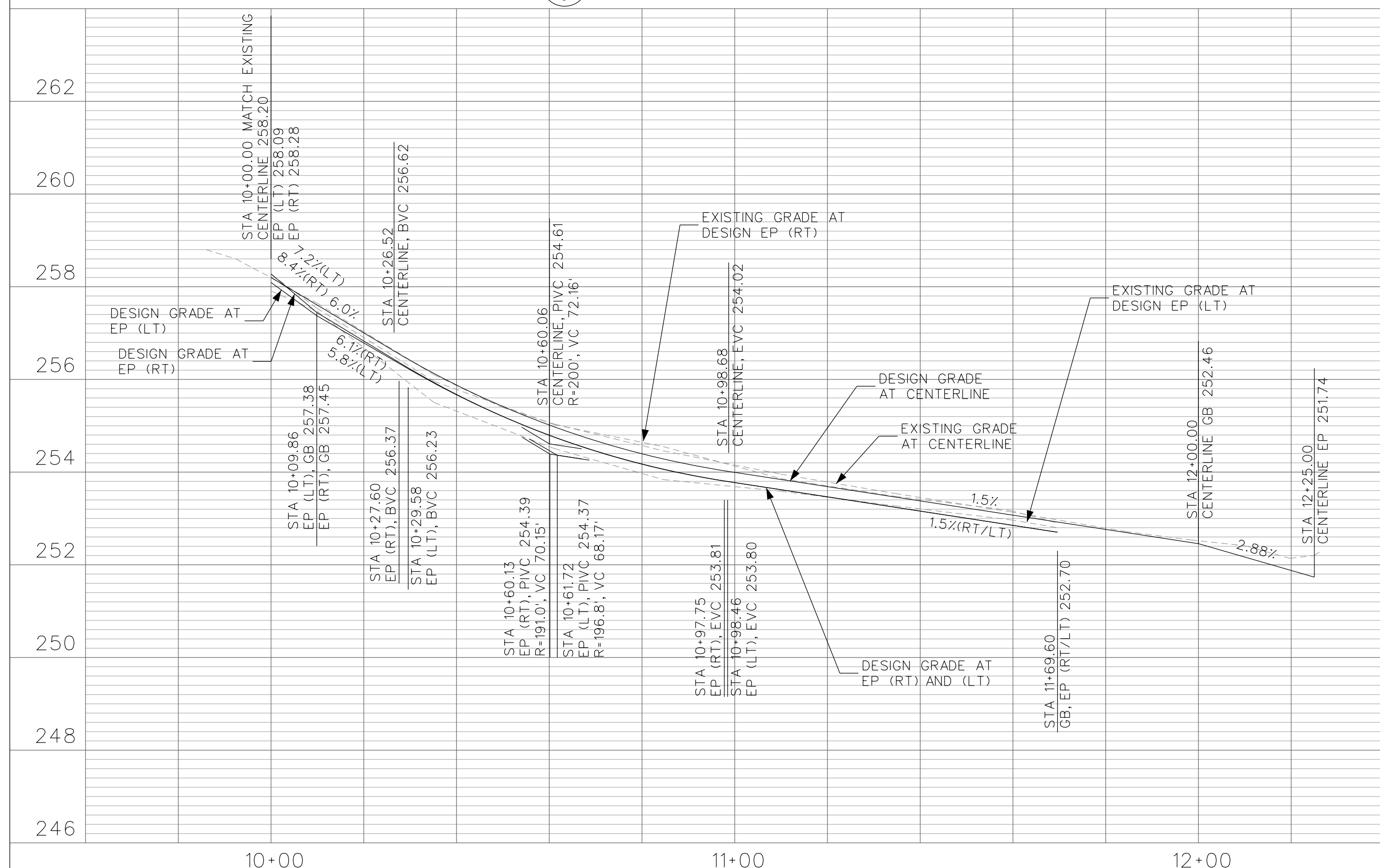
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SHEET No. 18 of 25




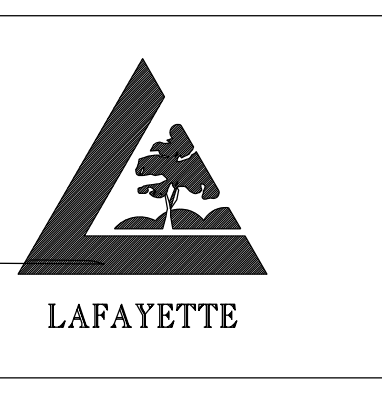
EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
38	27"	GAS MAIN GAS SERVICE	2" AC OVER 9" AB OVER MOIST BLACK CLAY
39	22"	GAS SERVICE	2" AC OVER 4" AB OVER MOIST BLACK CLAY
40	28"	WATER SERVICE	2" AC OVER 4" AB OVER MOIST BLACK CLAY

NOTE: UTILITIES SHOWN IN CONFLICT SHALL BE RELOCATED BY OTHERS IN ADVANCE OF PULVERIZATION WORK.

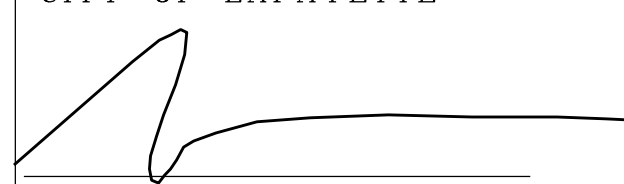


DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
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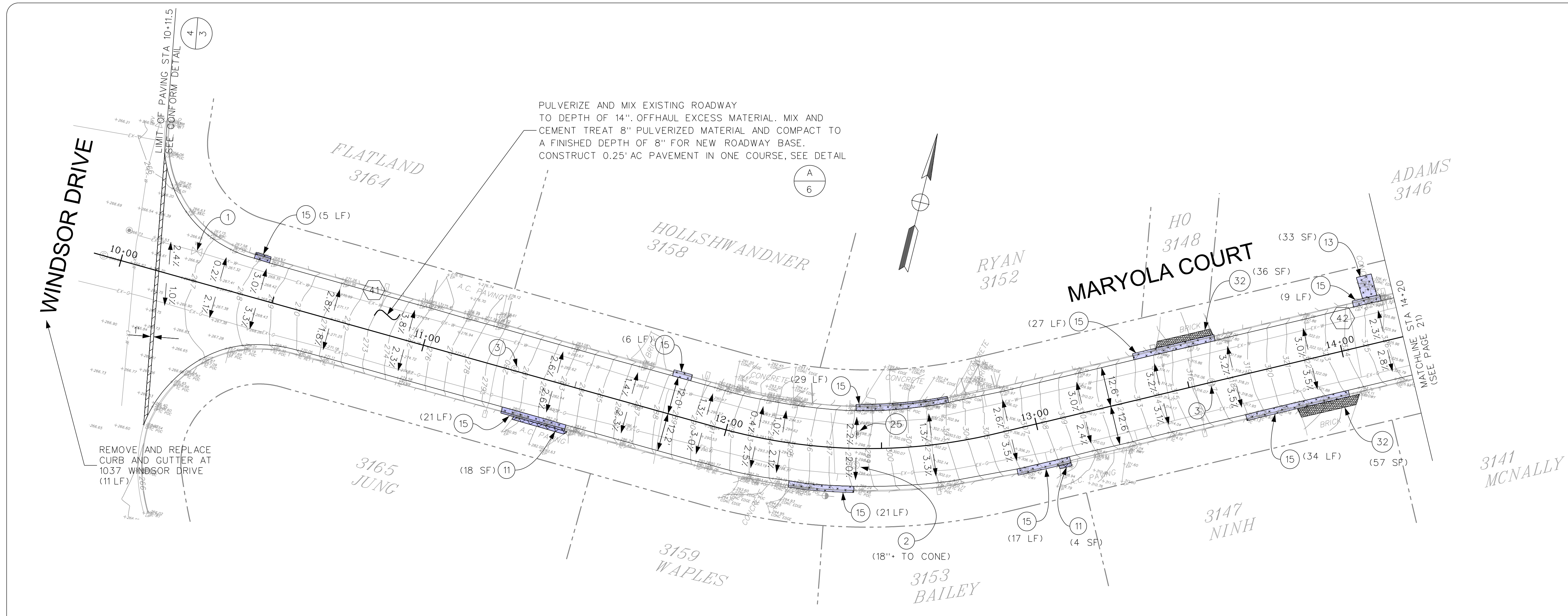


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 CONTRA COSTA COUNTY CALIFORNIA

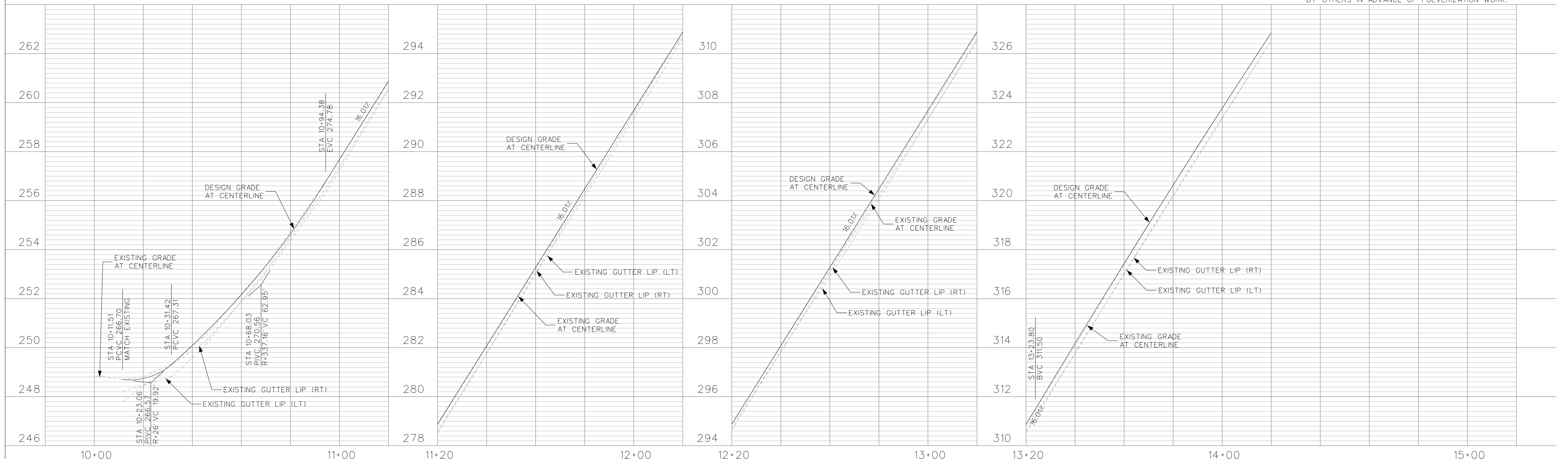
MANZANA PLACE
 PLAN AND PROFILE
 SCALE: 1"=20'
 SHEET No. 19 of 25



PULVERIZE AND MIX EXISTING ROADWAY TO DEPTH OF 14". OFFHAUL EXCESS MATERIAL. MIX AND CEMENT TREAT 8" PULVERIZED MATERIAL AND COMPACT TO A FINISHED DEPTH OF 8" FOR NEW ROADWAY BASE. CONSTRUCT 0.25' AC PAVEMENT IN ONE COURSE. SEE DETAIL

EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
41	28"	WATER SERVICE	2" AC OVER 5" AB OVER DARK BROWN-BLACK CLAY
42	25"	GAS SERVICE	2" AC OVER 6" AB OVER FRACTURED SANDSTONE

NOTE: UTILITIES SHOWN IN CONFLICT SHALL BE RELOCATED BY OTHERS IN ADVANCE OF PULVERIZATION WORK.



DATE	MARK	REVISION	INIT.

Designed by: JML
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 Reviewed by: FKS
 Date: 3-25-13



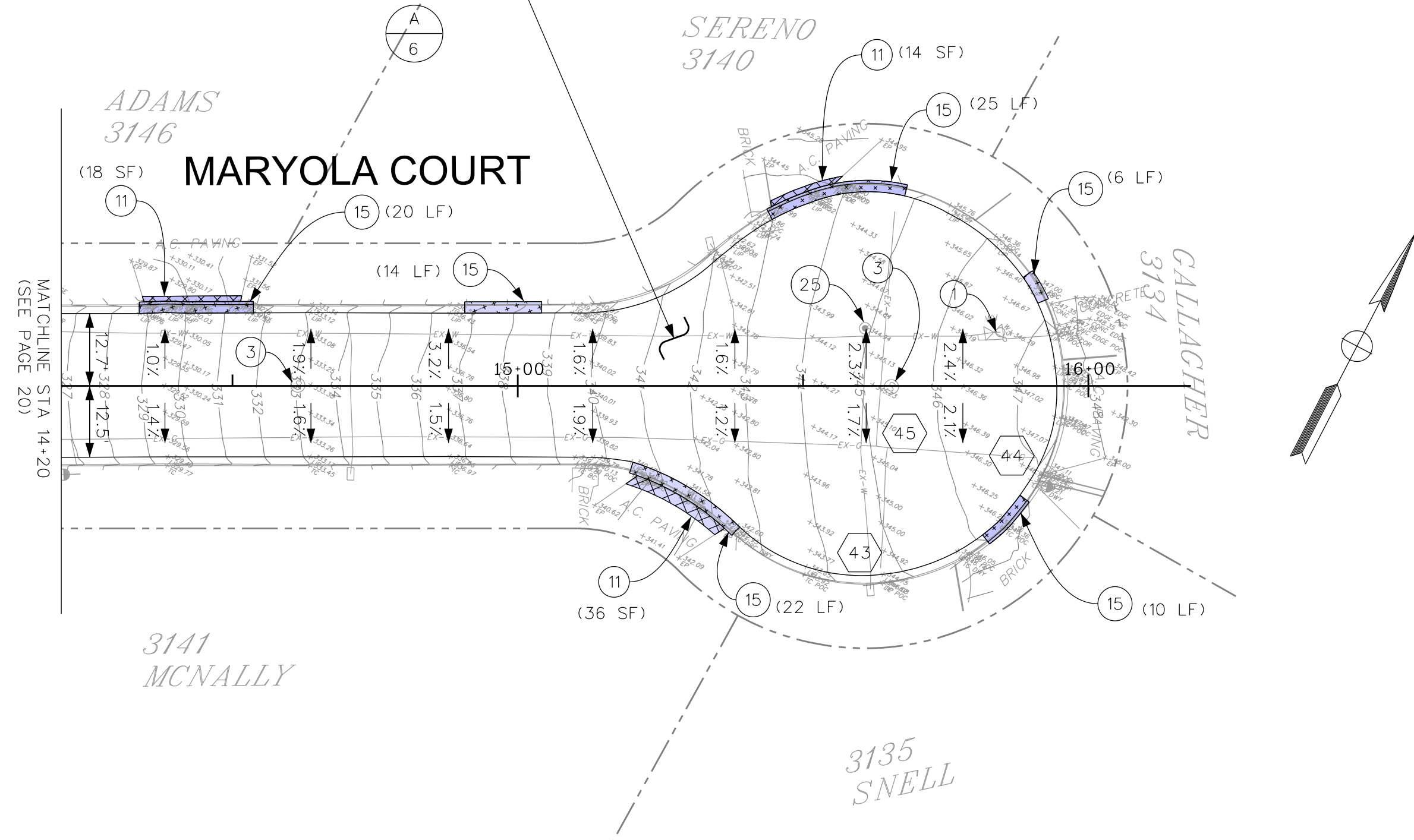
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 Date: 3-25-13

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 2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

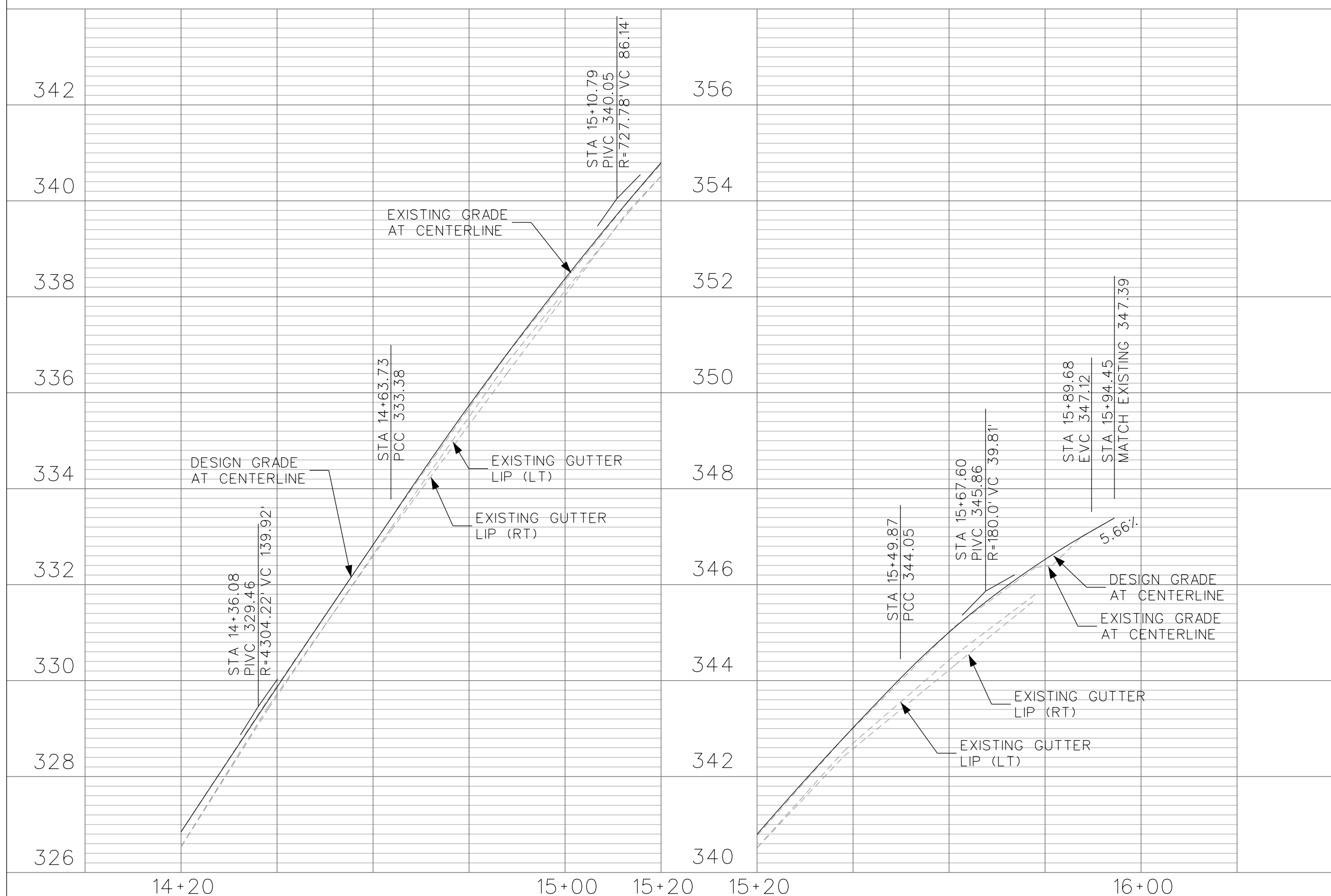
MARYOLA COURT
 PLAN AND PROFILE
 SCALE: 1"=20'
 SHEET No. 20 of 25

PULVERIZE AND MIX EXISTING ROADWAY TO DEPTH OF 14". OFFHAUL EXCESS MATERIAL. MIX AND CEMENT TREAT 8" PULVERIZED MATERIAL AND COMPACT TO A FINISHED DEPTH OF 8" FOR NEW ROADWAY BASE. CONSTRUCT 0.25' AC PAVEMENT IN 1 COURSE, SEE DETAIL



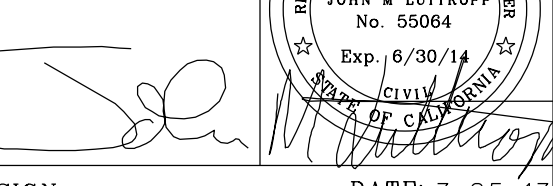
EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
43	34"	WATER SERVICE	2" AC OVER 7" AB OVER FRACTURED SANDSTONE
44	21"	GAS MAIN	
45	31"	GAS MAIN	

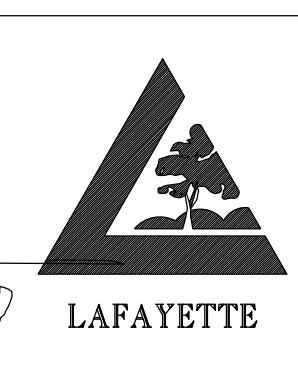
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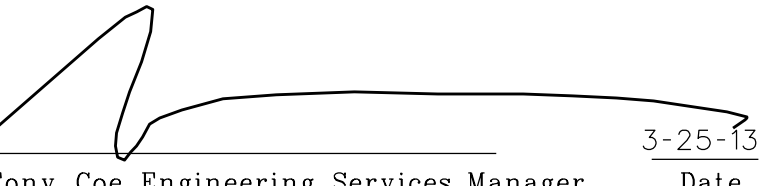
DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 3-25-13

SIGN: 
 DATE: 3-25-13



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 Date: 3-25-13

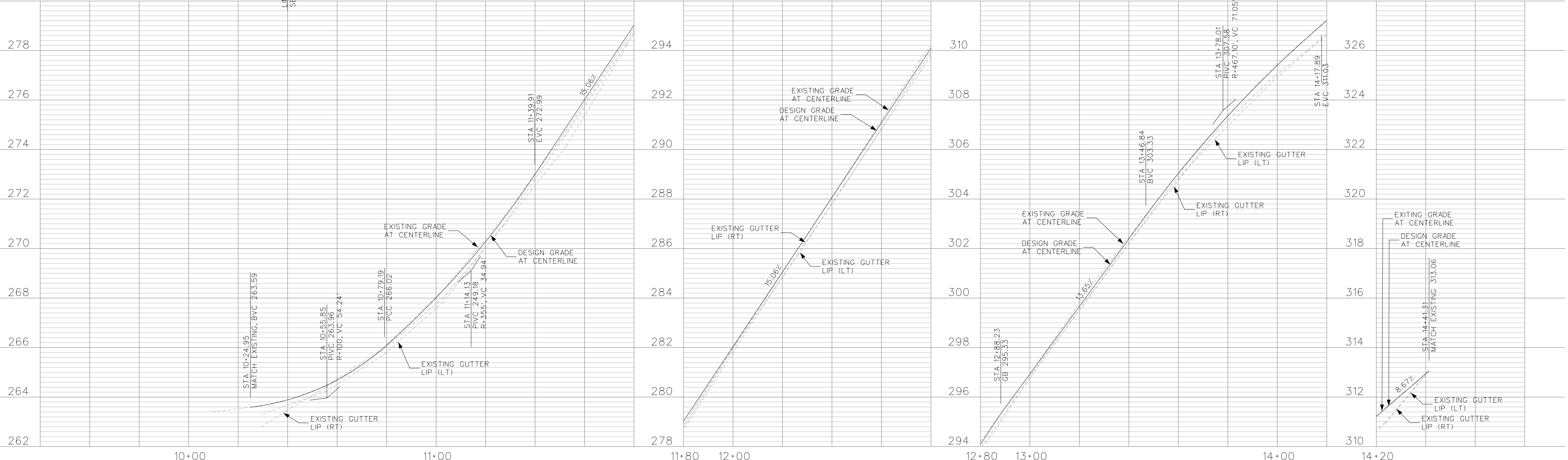
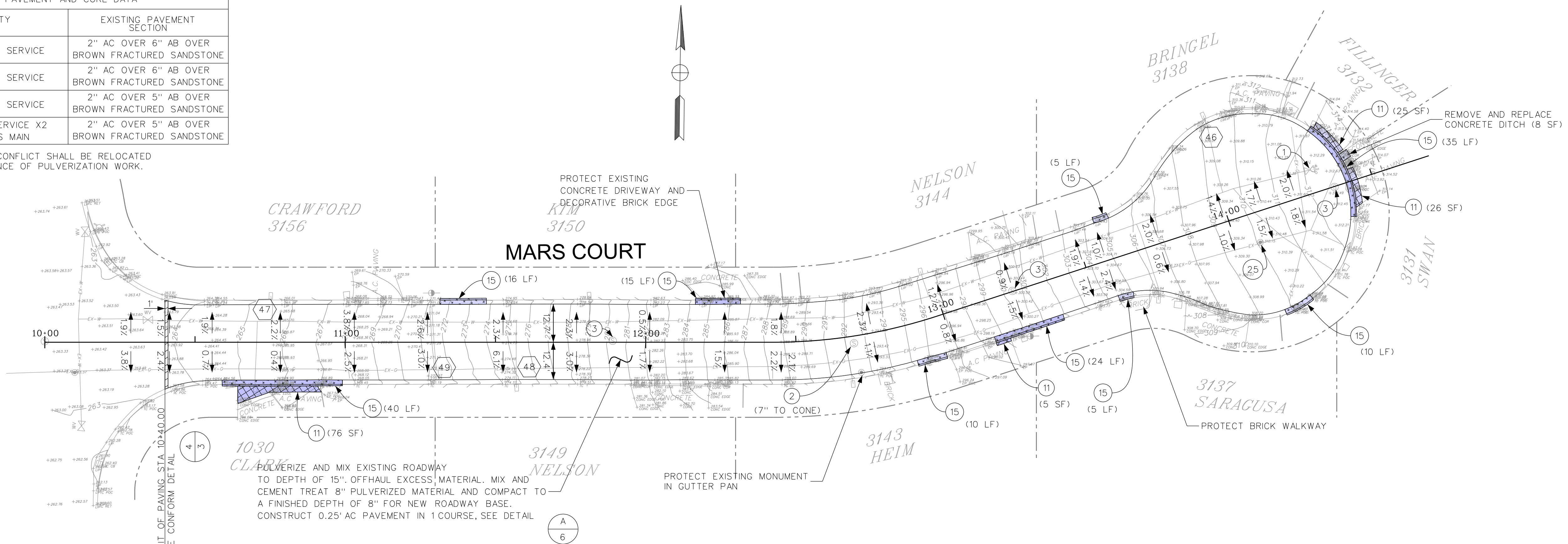
CITY OF LAFAYETTE
 PROJECT NO. 014-9694
 2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

MARYOLA COURT
 PLAN AND PROFILE
 SCALE: 1"=20'
 SHEET No. 21 of 25

EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
46	32"	WATER SERVICE	2" AC OVER 6" AB OVER BROWN FRACTURED SANDSTONE
47	30"	WATER SERVICE	2" AC OVER 6" AB OVER BROWN FRACTURED SANDSTONE
48	25"	WATER SERVICE	2" AC OVER 5" AB OVER BROWN FRACTURED SANDSTONE
49	27" 31"	GAS SERVICE X2 GAS MAIN	2" AC OVER 5" AB OVER BROWN FRACTURED SANDSTONE

NOTE: UTILITIES SHOWN IN CONFLICT SHALL BE RELOCATED BY OTHERS IN ADVANCE OF PULVERIZATION WORK.

WINDSOR DRIVE



DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
 Date: 3-25-13



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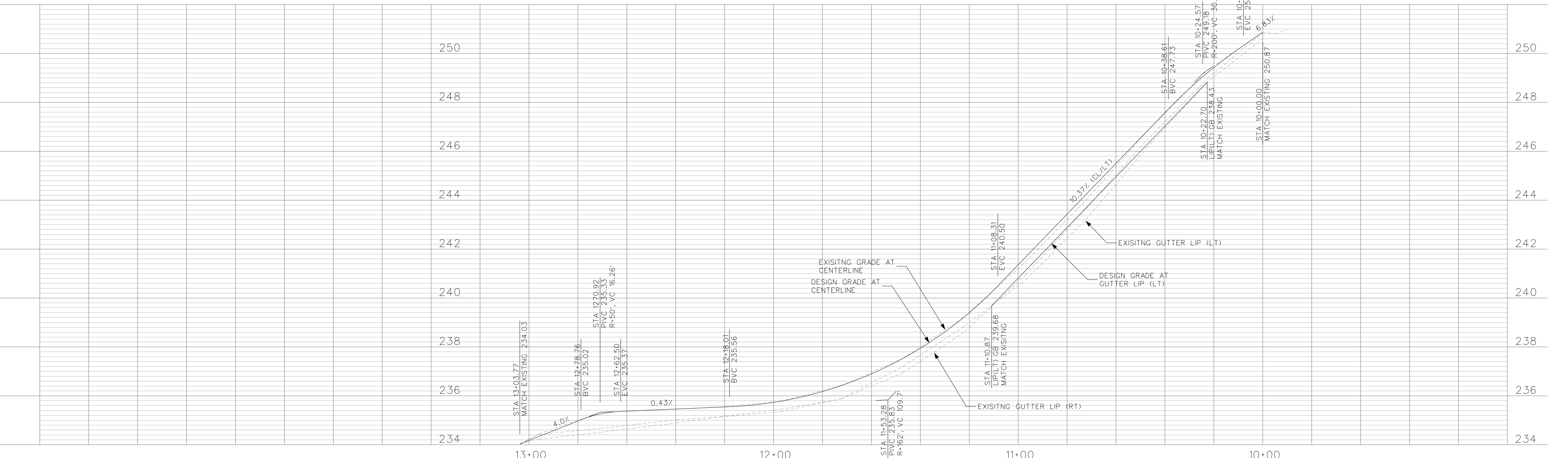
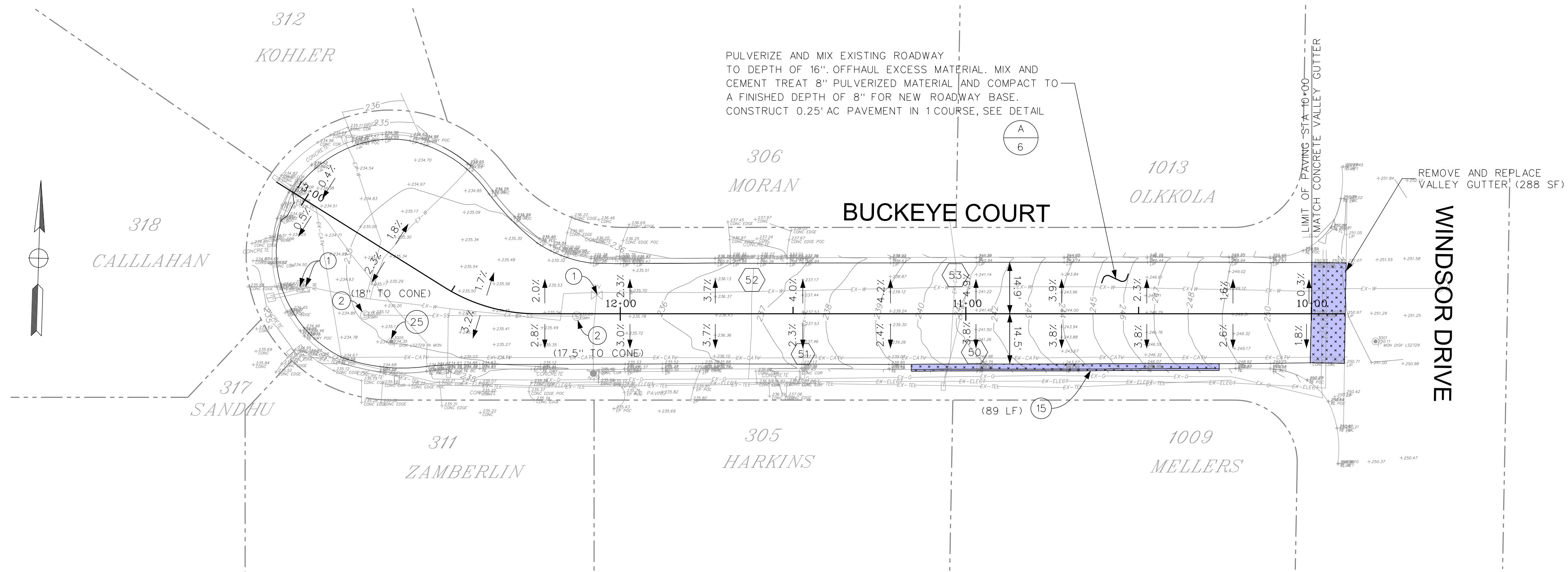
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 Date: 3-25-13

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 PROJECT NO. 014-9694
 2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

MARS COURT
 PLAN AND PROFILE
 SCALE: 1"=20'
 SHEET No. 22 of 25

EXISTING PAVEMENT AND CORE DATA			
POTHOLE NUMBER	UTILITY DEPTH	UTILITY	EXISTING PAVEMENT SECTION
50	15"	CATV	3" AC OVER AB TRENCH
51	38"	WATER SERVICE3	2" AC OVER 8" AB OVER MOIST BLACK CLAY
52	30"	GAS SERVICE	2" AC OVER 7" AB OVER MOIST BLACK CLAY
53	15"	CATV	4" AC OVER 7" AB TRENCH MOIST DARK BROWN CLAY

NOTE: UTILITIES SHOWN IN CONFLICT SHALL BE RELOCATED BY OTHERS IN ADVANCE OF PULVERIZATION WORK.



DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: M.J.M.
 Reviewed by: F.K.S.
 Date: 3-25-13



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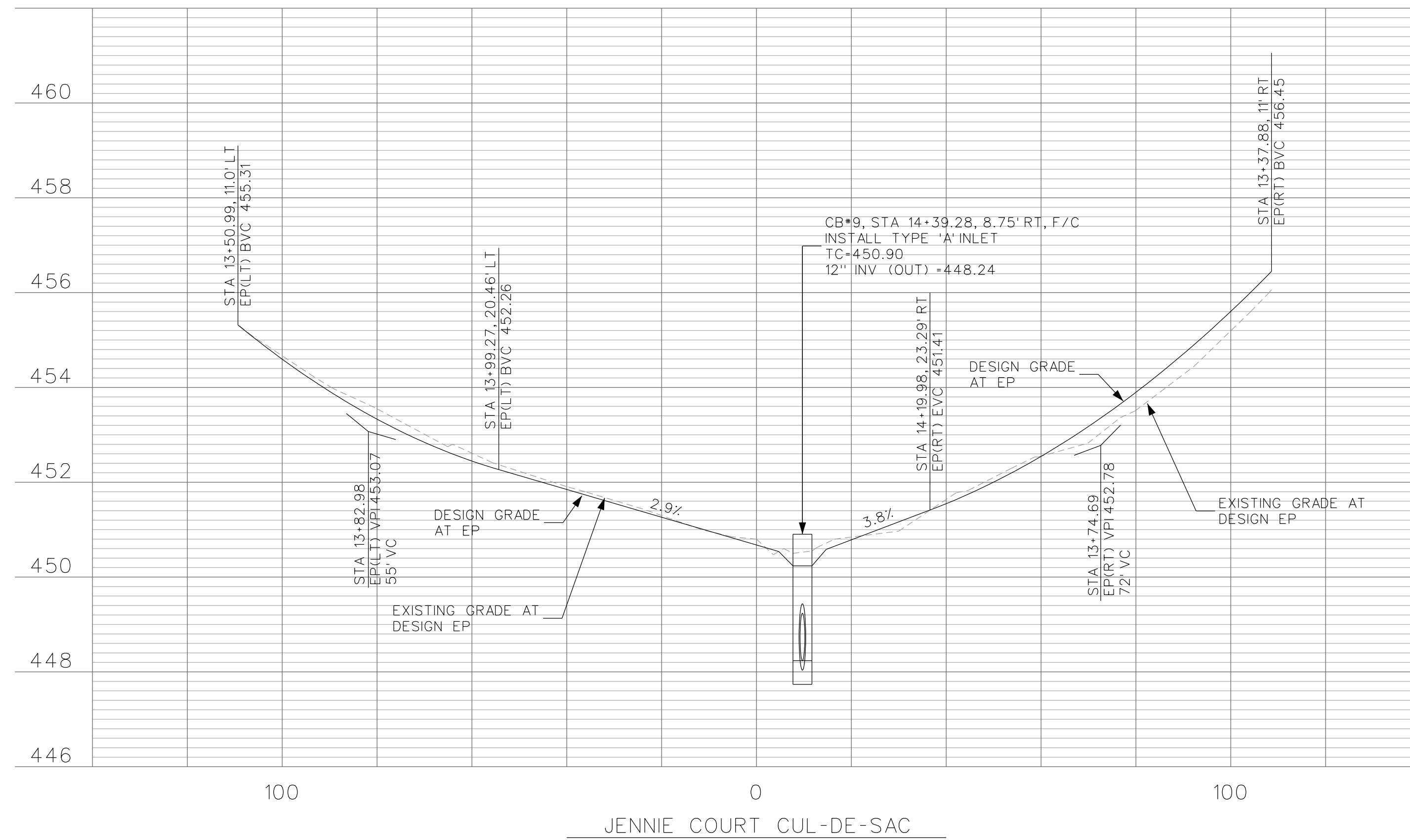
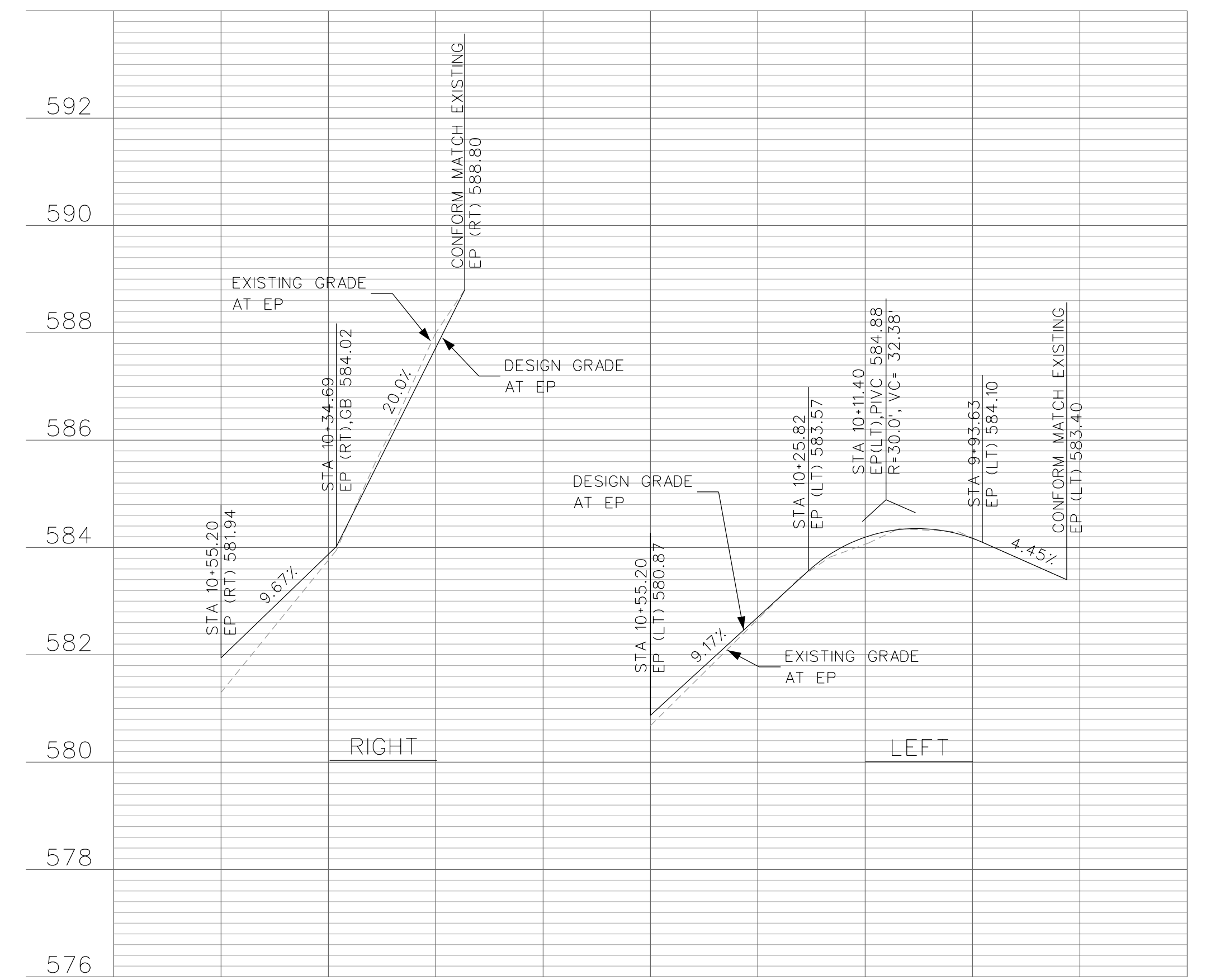
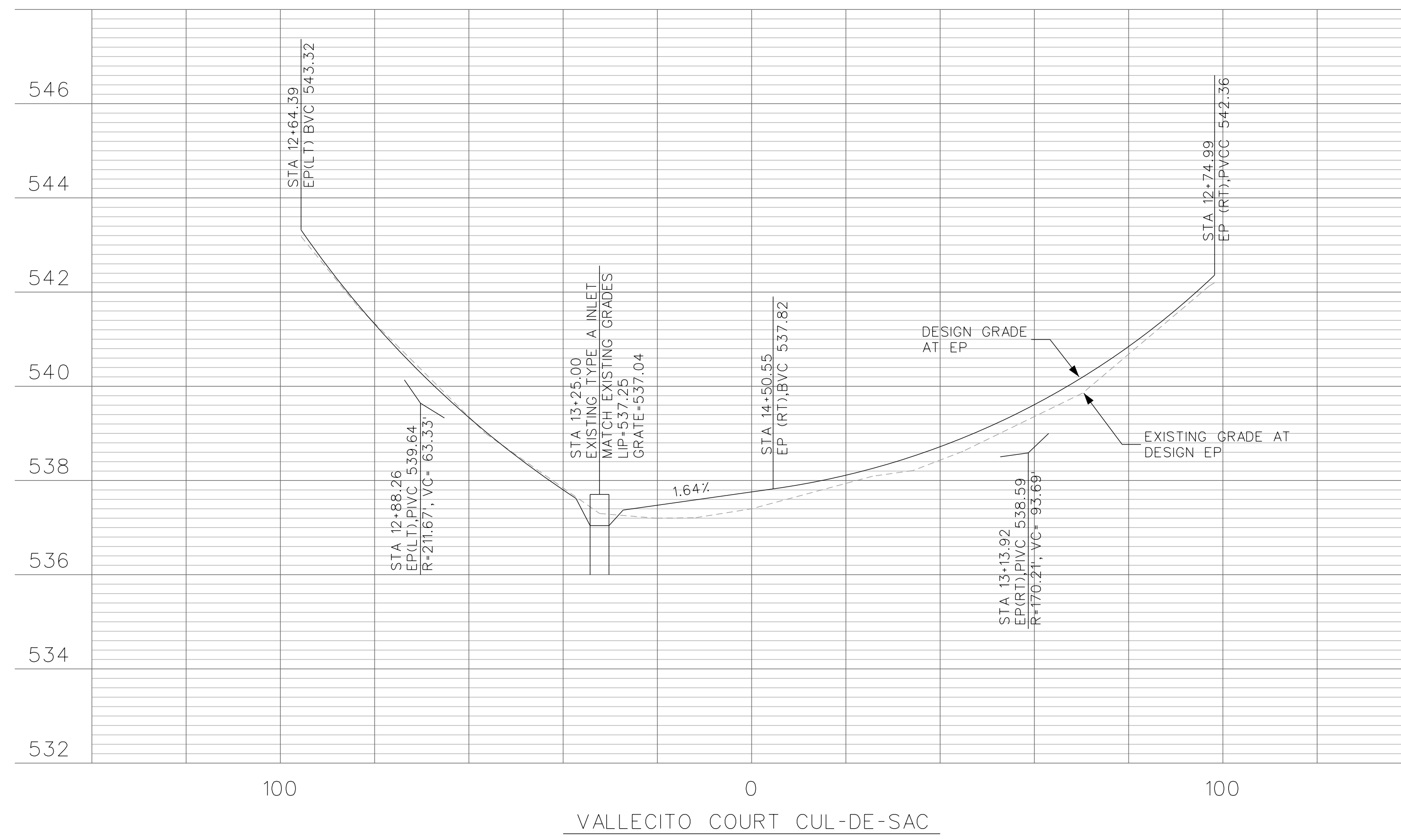
Tony Coe, Engineering Services Manager
 Date: 3-25-13

CITY OF LAFAYETTE
 PROJECT NO. 014-9694

2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

BUCKEYE COURT
 PLAN AND PROFILE

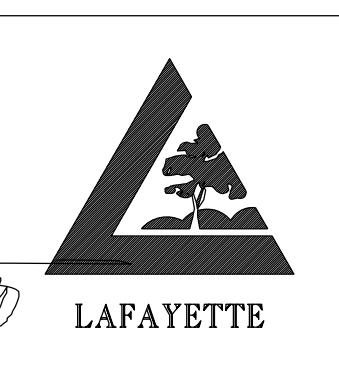
SCALE: 1"=20'
 SHEET No. 23 of 25



DATE	MARK	REVISION	INIT.

Designed by: JML
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 Checked by: MJM
 Reviewed by: FKS
 Date: 3-25-13

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 DATE: 3-25-13

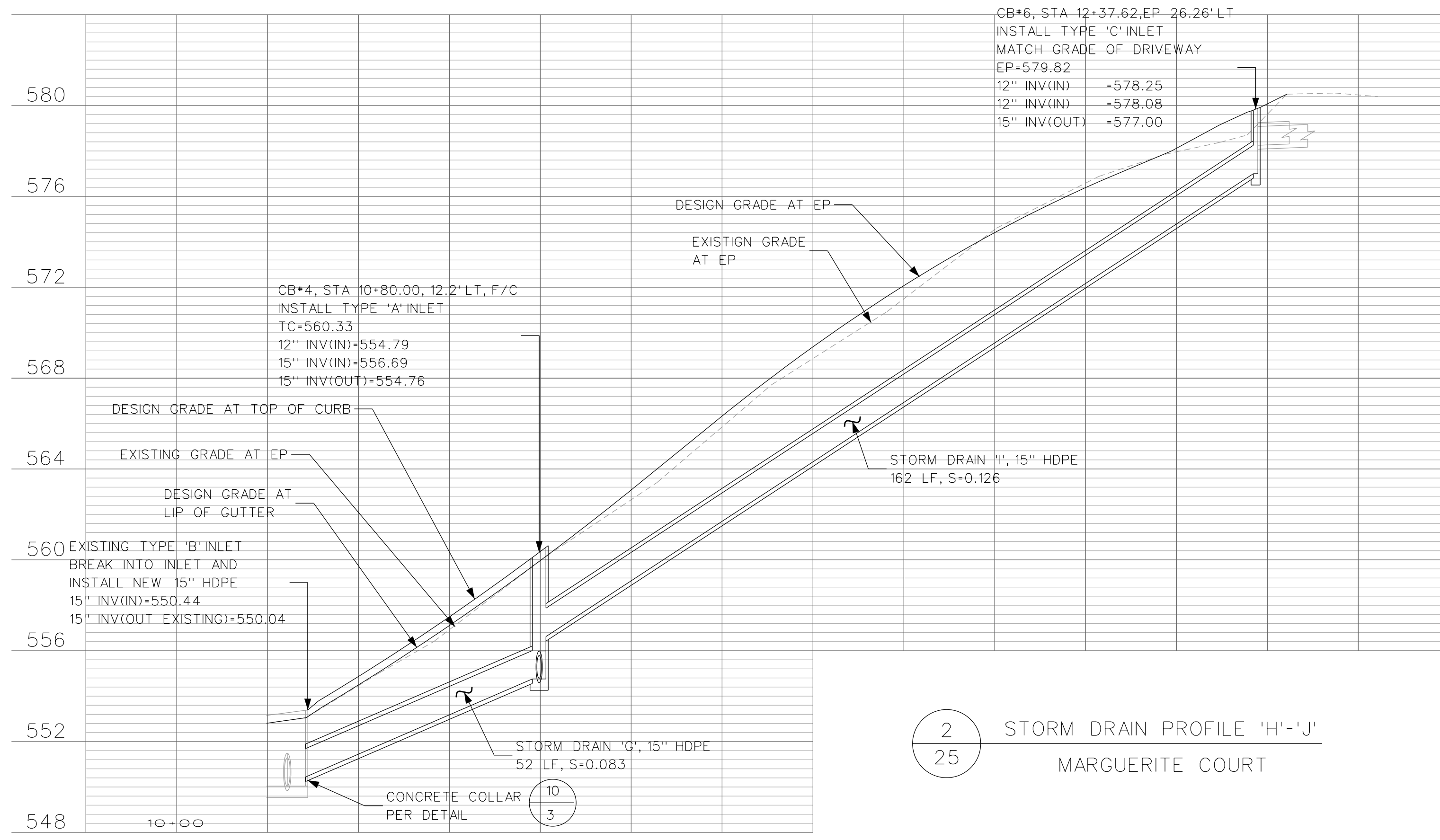
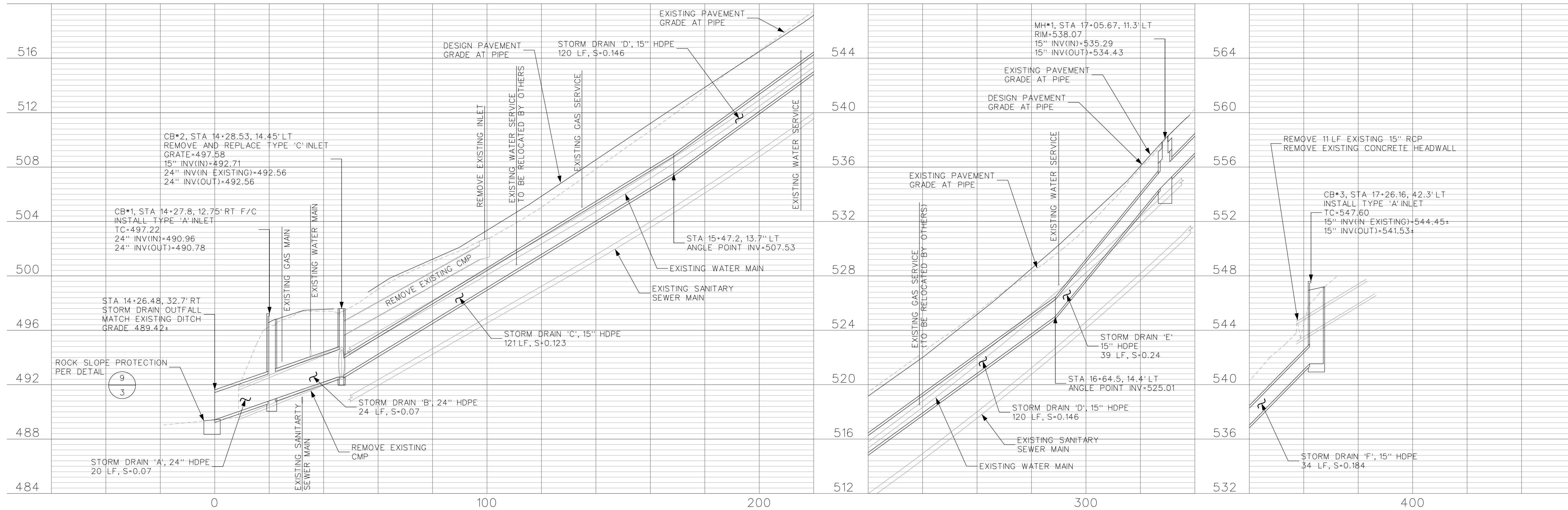


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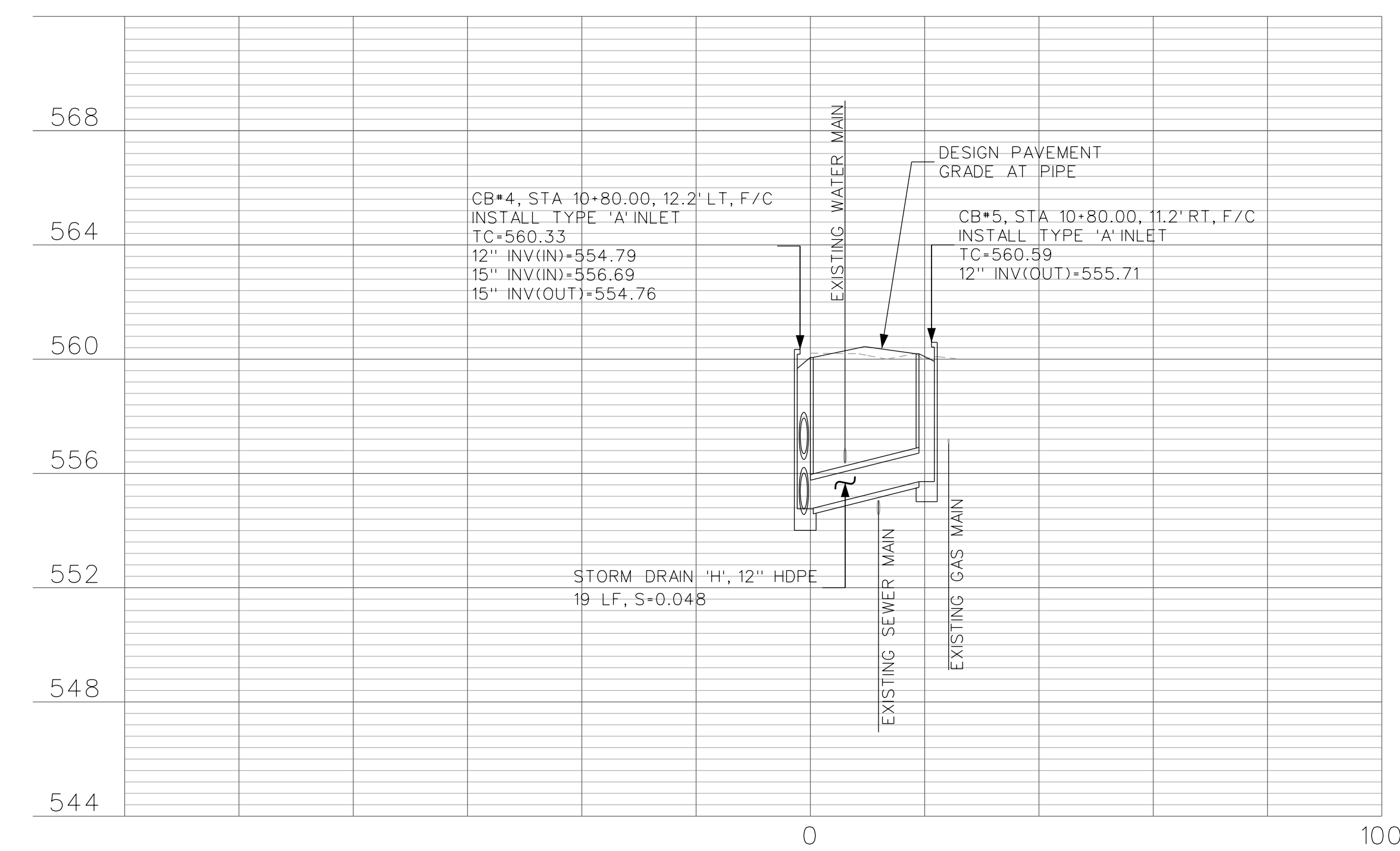
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CUL-DE-SAC
 EDGE OF PAVEMENT PROFILES
 SCALE: 1"=20'
 SHEET No. 24 of 25



1
25 STORM DRAIN PROFILE 'A'-F'
LEROY WAY

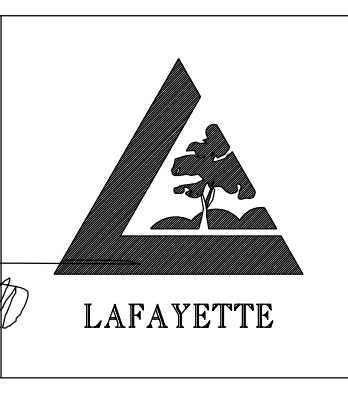


2
25 STORM DRAIN PROFILE 'I'
MARGUERITE COURT

DATE	MARK	REVISION	INIT.

Designed by: JML
 Drawn by: JML
 Checked by: MJM
 Reviewed by: FKS
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SIGN: *[Signature]*
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 2013 ROAD AND DRAIN IMPROVEMENTS
 CONTRA COSTA COUNTY CALIFORNIA

STORM DRAIN PROFILE
 SCALE: 1"=20'
 SHEET No. 25 of 25