STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS

PLANS FOR THE CONSTRUCTION OF

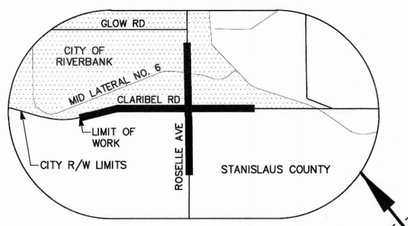
# CLARIBEL ROAD AND ROSELLE AVENUE INTERSECTION PROJECT

## MODESTO, CALIFORNIA

FEDERAL PROJECT NO. CML-5938(181)
COUNTY PROJECT NO. CR 9606
W.D.I.D. NO. (T.B.D.)

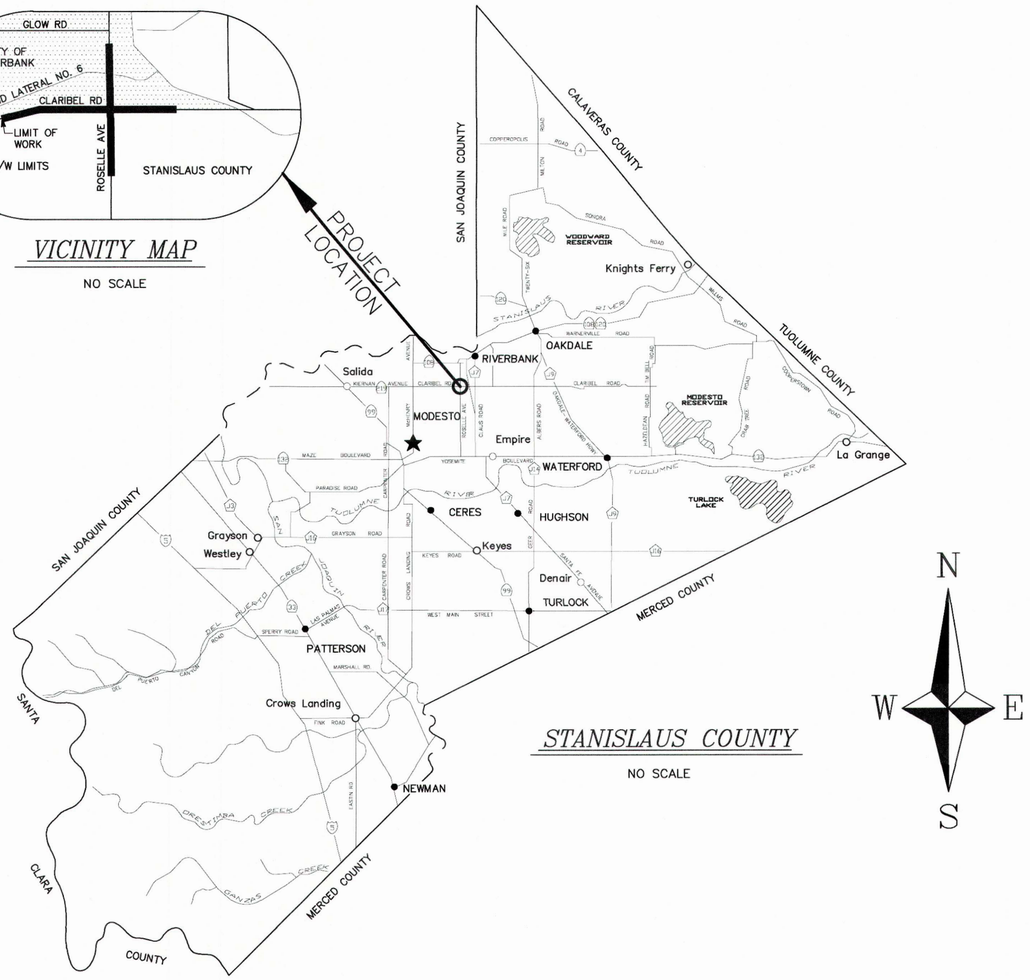
## INDEX OF SHEETS


1. TITLE SHEET (T-1)
2. PROJECT CONTROL SHEET (PC-1)
3. CROSS SECTION SHEET 1 (X-1)
4. CROSS SECTION SHEET 2 (X-2)
5. DEMOLITION PLAN SHEET 1 (DM-1)
6. DEMOLITION PLAN SHEET 2 (DM-2)
7. LAYOUTS SHEET 1 (L-1)
8. LAYOUTS SHEET 2 (L-2)
9. LAYOUTS SHEET 3 (L-3)
10. LAYOUTS SHEET 4 (L-4)
11. LAYOUTS SHEET 5 (L-5)
12. GRADING PLAN SHEET 1 (G-1)
13. GRADING PLAN SHEET 2 (G-2)
14. GRADING PLAN SHEET 3 (G-3)
15. GRADING PLAN SHEET 4 (G-4)
16. GRADING PLAN SHEET 5 (G-5)
17. CONSTRUCTION DETAILS SHEET 1 (C-1)
18. CONSTRUCTION DETAILS SHEET 2 (C-2)
19. CONSTRUCTION DETAILS SHEET 3 (C-3)
20. CONSTRUCTION DETAILS SHEET 4 (C-4)
21. UTILITY AND DRAINAGE PLAN SHEET 1 (U-1)
22. UTILITY AND DRAINAGE PLAN SHEET 2 (U-2)
23. DRAINAGE DETAILS SHEET 1 (DD-1)
24. WATER POLLUTION CONTROL SHEET 1 (WPC-1)
25. WATER POLLUTION CONTROL SHEET 2 (WPC-2)
26. SIGNING AND STRIPING SHEET 1 (SS-1)
27. SIGNING AND STRIPING SHEET 2 (SS-2)
28. TRAFFIC SIGNAL PLAN SHEET 1 (TS-1)
29. TRAFFIC SIGNAL PLAN SHEET 2 (TS-2)


VICINITY MAP

NO SCALE




STANISLAUS COUNTY

NO SCALE

STATE OF CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
2010 STANDARD PLANS

| | | | |
|---|---|---|---|
| A 20A | A 24D | D 74B | T 13 |
| A 20B | A 24E | D 75B | T 55 |
| A 20D | A 86 | D 77B | T 57 |
| A 24A | A 87A | D 78A | T 62 |
| A 24B | A 87B | | |
| A 24C | | | |

## GENERAL NOTES

1. THE CONTRACTOR SHALL POSSESS THE LICENSE(S) REQUIRED IN THE INVITATION TO BID & SPECIAL PROVISIONS.
2. CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM STANISLAUS COUNTY AND CITY OF RIVERBANK BEFORE STARTING WORK
3. ALL MATERIAL AND WORK SHALL CONFORM TO STANISLAUS COUNTY SPECIFICATIONS AND IMPROVEMENT STANDARDS, 2014 EDITION, TO BE SUPPLEMENTED BY CALTRANS STANDARD PLANS, DATED MAY, 2010 AND STANDARD SPECIFICATIONS, DATED MAY, 2010: AND ALL ADDENDA THERETO. ALL IMPROVEMENTS ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE PUBLIC WORKS DEPARTMENT.
4. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES. THE CONTRACTOR SHALL NOT EXCAVATE UNTIL ALL UTILITY AGENCIES AND THE STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS HAVE BEEN NOTIFIED AND HAVE BEEN GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD. THE CONTRACTOR SHALL CALL U.S.A. AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO DOING ANY EXCAVATING.
5. THESE PLANS HAVE BEEN CHECKED BY THE STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS AND/OR AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE THE CONTRACTOR FROM HIS/HER RESPONSIBILITY TO CORRECT ERRORS, OMISSIONS, OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING COURSE OF CONSTRUCTION.
6. ALL CONSTRUCTION SITE ACTIVITIES SHALL CONFORM TO THE STATE WATER RESOURCES CONTROL BOARD, NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES), WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES OF STORM WATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY.
7. PRIOR TO INITIATING ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT ALL NECESSARY FEDERAL, STATE, AND LOCAL PERMITS HAVE BEEN OBTAINED.
8. STREET STRIPING SHALL INCLUDE STOP BARS, CENTERLINE STRIPING, AND LANE LINE MARKERS, CROSSWALKS AND ALL OTHER MARKINGS REQUIRED BY THE ENGINEER. STRIPING SHALL BE DONE WITH THERMOPLASTIC AND REFLECTIVE MARKERS.
9. UNLESS OTHERWISE APPROVED, ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO STREET PAVING.
10. ALL LINES ABANDONED DURING CONSTRUCTION SHALL BE REMOVED.
11. WHEN WIDENING THE PAVEMENT ON AN EXISTING ROAD, THE EXISTING PAVEMENT SHALL BE SAW CUT (SAW) TO A NEAT LINE AND REMOVED BACK TO AN EXISTING ADEQUATE STRUCTURAL SECTION, OR TO THE ORIGINAL ROAD SECTION. AN EXPLORATORY TRENCH, OR POT-HOLING, MAY BE REQUIRED TO DETERMINE THE LIMITS OF PAVEMENT REMOVAL..
12. CONTACT:
    STANISLAUS COUNTY, DEPARTMENT OF PUBLIC WORKS
    NATE TUMMINELLO, (209) 525-4101

APPROVED BY STANISLAUS COUNTY:

CHRIS BRADY
DEPUTY DIRECTOR OF PUBLIC WORKS
STANISLAUS COUNTY — DATE 5/31/18

APPROVED BY MODESTO IRRIGATION DISTRICT (MID) FOR IRRIGATION FACILITIES ONLY — DATE 5/31/18

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER — JAMES MARSHALL PAULSEN — 71445 — Exp. 12/31/19 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

| NO | REVISIONS DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| | | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County — Striving to be the best

TITLE SHEET (T-1)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE INTERSECTION PROJECT
MODESTO, CALIFORNIA

| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER 1 OF 29 SHEETS

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_T-1 PLOT DATE: Mar 28, 2018-02:30:09pm CAD USER: ropada

## NOTES

1. CONTRACTOR SHALL COMPLY WITH BUSINESS AND PROFESSIONS CODE SECTION 8771(b) REGARDING REFERENCING, PRESERVING, AND RECONSTRUCTING MONUMENTS, WHETHER OR NOT MONUMENTS ARE SHOWN IN PLANS.
2. IF MONUMENT AND/OR SURVEY CONTROL IS DAMAGED BY CONTRCTOR'S OPERATIONS, CONTRACTOR SHALL REPLACE AT CONTRACTORS EXPENSE.
3. "C" LINE AND "R" LINE ARE INTENDED FOR CONSTRUCTION PURPOSES AND IS NOT BASED ON RIGHT OF WAY CONTROL.

## PROJECT CONTROL

COORDINATES SHOWN HEREON ARE BASED ON GRID DISTANCES CONVERTED FROM CCS83 (1992) ZONE 3, EPOCH DATE 1991.35, TO GROUND DISTANCES. THE ORIGIN OF THIS CONVERSION IS POINT 2827, AS SHOWN ON THE "AMENDED CITY OF MODESTO RECORD OF SURVEY G.P.S. CONTROL NETWORK" RECORDED IN BOOK 22 OF SURVEYS, PAGE 51. GRID DISTANCES MEASURED FROM POINT 2827 WERE SCALED BY 1.000072 TO OBTAIN GROUND DISTANCES. MULTIPLY GROUND DISTANCE BY 0.999928 TO OBTAIN GRID DISTANCE.

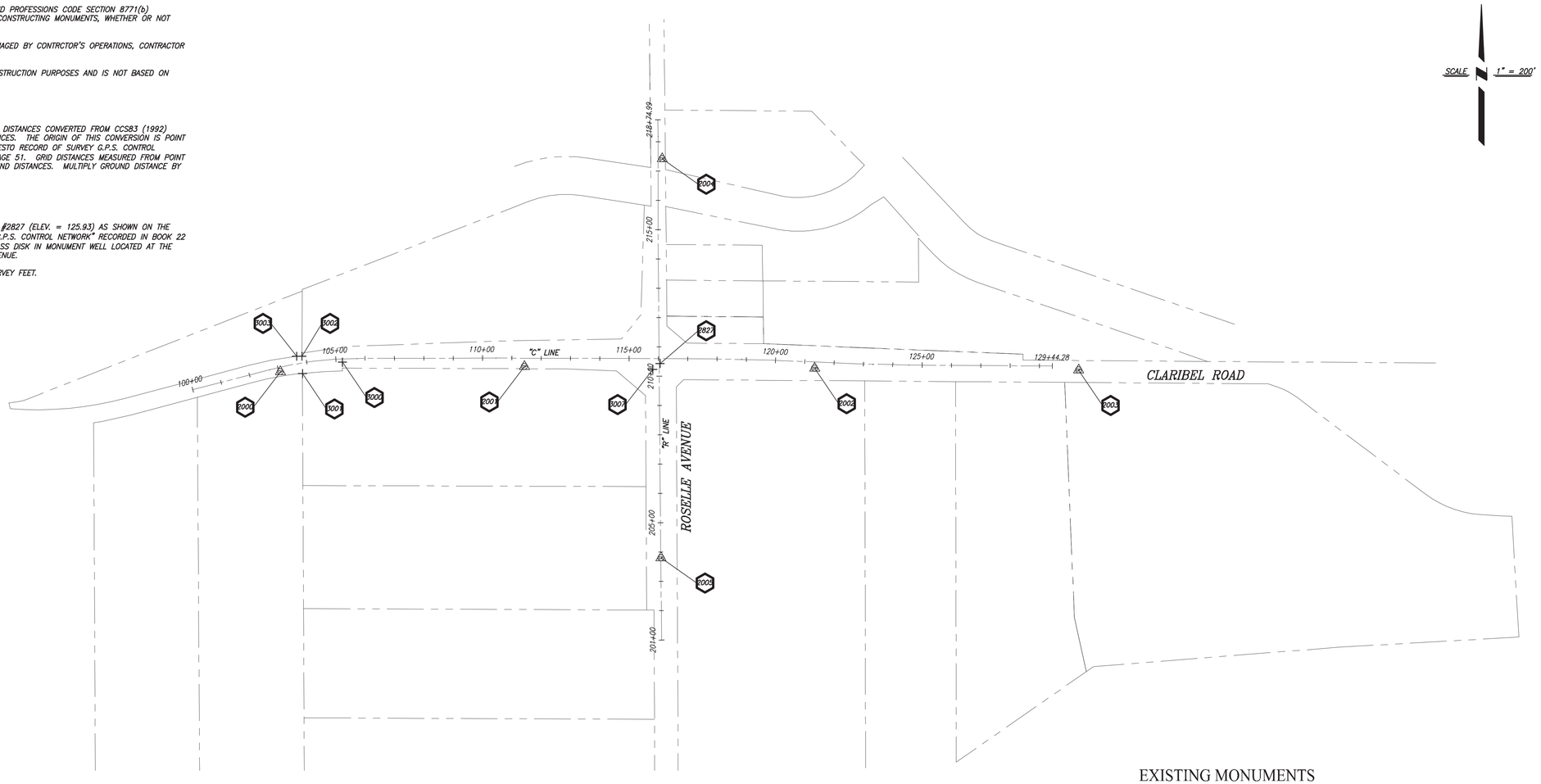
## BENCHMARK

ELEVATIONS SHOWN ARE NAVD88, BASED ON POINT #2827 (ELEV. = 125.93) AS SHOWN ON THE "AMENDED CITY OF MODESTO RECORD OF SURVEY G.P.S. CONTROL NETWORK" RECORDED IN BOOK 22 OF SURVEYS, PAGE 51." POINT #2827 IS A 2" BRASS DISK IN MONUMENT WELL LOCATED AT THE INTERSECTION OF CLARIBEL ROAD AND ROSELLE AVENUE.

ELEVATIONS AND DISTANCES SHOWN ARE IN US SURVEY FEET.

## LEGEND

- MONUMENT
- No. POINT NUMBER
- SURVEY CONTROL POINT




## EXISTING MONUMENTS

| No. | NORTHING | EASTING | DESCRIPTION |
|---|---|---|---|
| 3000 | 2081629.25 | 6433286.25 | 2 1/2" IRON PIPE |
| 3001 | 2081590.47 | 6433149.77 | 3/4" IRON PIPE |
| 3002 | 2081649.70 | 6433148.37 | 3/4" IRON PIPE |
| 3003 | 2081649.78 | 6433129.74 | 3/4" IRON PIPE |
| 3007 | 2081605.17 | 6434345.12 | 3/4" IRON PIPE |
| 2827 | 2081625.20 | 6434369.80 | 2" BRASS DISK |

## PROJECT CONTROL

| No. | NORTHING | EASTING | ELEVATION | DESCRIPTION | STATION |
|---|---|---|---|---|---|
| 2000 | 2081596.67 | 6433074.72 | 126.33 | SET NAIL & SHINER | "C" 103+05.11, 15.35 Rt |
| 2001 | 2081614.85 | 6433907.64 | 126.59 | SET NAIL & SHINER | "C" 111+43.85, 28.05 Rt |
| 2002 | 2081608.61 | 6434897.34 | 130.55 | SET NAIL & SHINER | "C" 121+34.54, 21.24 Rt |
| 2003 | 2081602.67 | 6435797.56 | 130.48 | SET NAIL & SHINER | |
| 2004 | 2082323.64 | 6434377.18 | 131.75 | SET NAIL & SHINER | "R" 217+42.40, 14.42 Rt |
| 2005 | 2080961.88 | 6434372.75 | 128.96 | SET NAIL & SHINER | "R" 203+80.59, 0.29 Rt |
| 2827 | 2081625.20 | 6434369.80 | 125.93 | FOUND 2" BRASS DISK | "C" 116+05.97, 16.06 Rt |

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARKER
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: _____ DATE: _____

| NO | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| | REVISIONS | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

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PROJECT CONTROL SHEET (PC-1)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

JOB NO CR9606
DATE 3/16/2018
DR BY JE
CK BY JW/JP
SURVEY
CONST.
SCALE AS SHOWN

SHEET NUMBER 2 OF 29 SHEETS

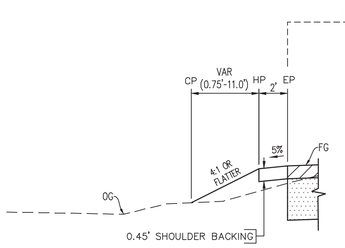
PATH: V:\Stanislaus-SA-14\07-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_PC-1 PLOT DATE: Mar 28, 2018-04:21:34pm CAD USER: jhernandez

## NOTES:

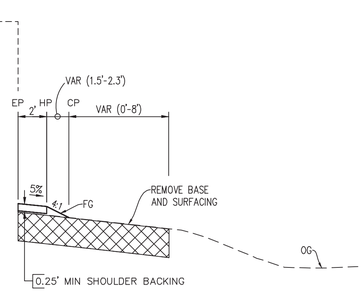
1. DIMENSIONS OF THE PAVEMENT STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. FOR LIMITS OF HMA OVERLAY, HMA DIKE, AND FENCING SEE LAYOUTS. FOR LIMITS OF COLD PLANE AC, SEE DEMOLITION PLAN. FOR ELEVATIONS AND DRIVEWAY DETAILS, SEE GRADING PLAN AND CONSTRUCTION DETAILS.
3. STRUCTURAL SECTION RECOMMENDATIONS PER DRAFT GEOTECHNICAL DESIGN REPORT BY CRAWFORD & ASSOCIATES, DATED FEBRUARY 23, 2016.
4. DESIGN DESIGNATIONS
   EXISTING SOIL R-VALUE = 16
   CLARIBEL RD TRAFFIC INDEX = 9
   CLARIBEL RD DESIGN SPEED = 50 MPH
   ROSELLE AVE TRAFFIC INDEX = 8
   ROSELLE AVE DESIGN SPEED = 40 MPH
5. FOR LIMITS OF HMA DIKE, SEE LAYOUT SHEETS. PLACE HMA DIKE ON A MINIMUM OF 0.15' THICK HOT MIX ASPHALT. SHOULDER BACKING NOT REQUIRED FOR AREAS WITH HMA DIKE.

## LEGEND

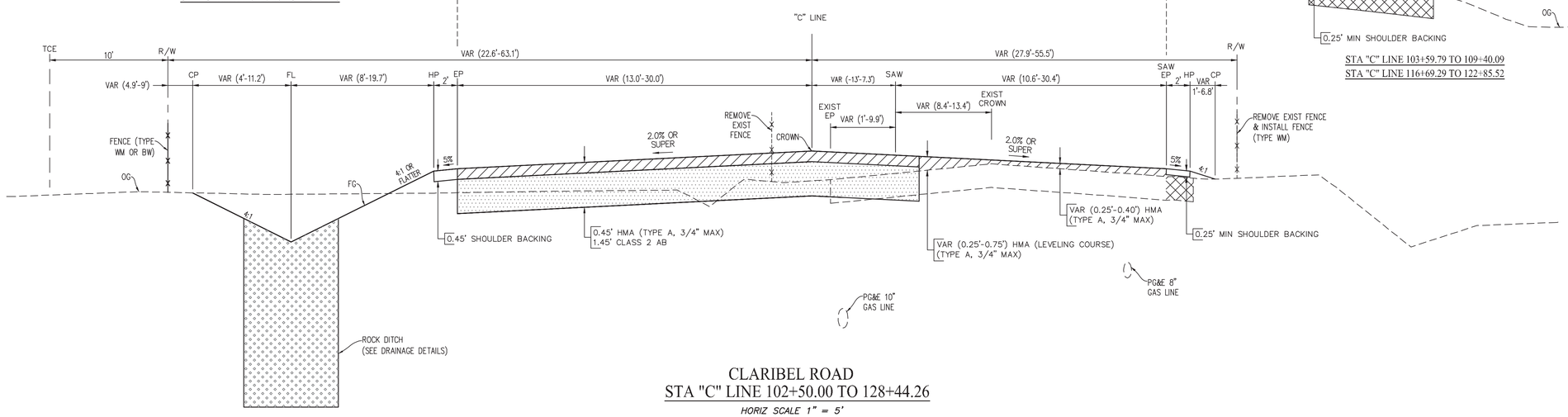
- HMA (TYPE A)
- CLASS 2 AB
- REMOVE BASE AND SURFACING REPLACE WITH EMBANKMENT (TYP)
- ROCK INFILTRATION DITCH




STA "C" LINE 102+50.00 TO 106+00.00
STA "C" LINE 125+27.46 TO 128+44.26




STA "C" LINE 103+59.79 TO 109+40.09
STA "C" LINE 116+69.29 TO 122+85.52




CLARIBEL ROAD
STA "C" LINE 102+50.00 TO 128+44.26

*HORIZ SCALE 1" = 5'*

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REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PANTUSO
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: _____ DATE: _____

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|---|---|---|---|
| NO | DESCRIPTIONS | DATE | APPROVED |

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DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

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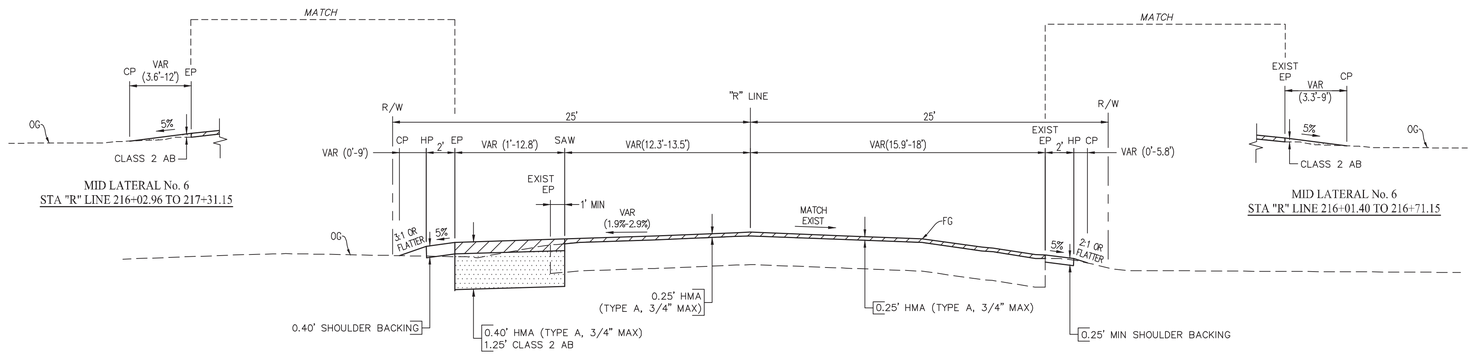
CROSS SECTIONS SHEET 1 (X-1)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE INTERSECTION PROJECT
MODESTO, CALIFORNIA

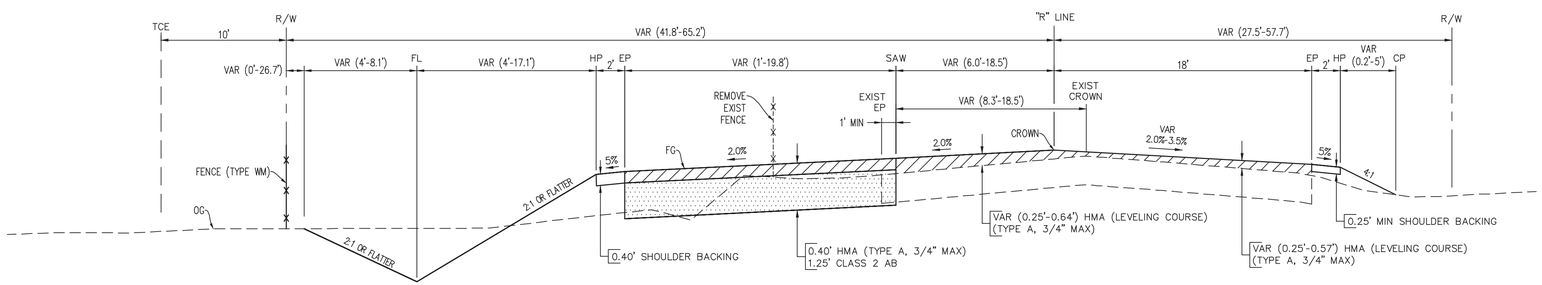
| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER 3 OF 29 SHEETS

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_X-1 PLOT DATE: Mar 28, 2018-04:23:05pm CAD USER: jhernandez




ROSELLE AVE
STA "R" LINE 216+00.00 TO 218+18.75
*HORIZ SCALE 1" = 5'*




ROSELLE AVE
STA "R" LINE 201+35.98 TO 209+66.88
STA "R" LINE 211+62.90 TO 216+00.00

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARKER
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: _____ DATE: _____

| REVISIONS | | | |
|---|---|---|---|
| NO | DESCRIPTIONS | DATE | APPROVED |

STANISLAUS COUNTY
*DEPARTMENT OF PUBLIC WORKS*
*ENGINEERING AND OPERATIONS DIVISION*
*1716 MORGAN ROAD – MODESTO, CA 95358*

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CROSS SECTIONS SHEET 2 (X-2)

*IMPROVEMENT PLANS FOR:*
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

811
CALL BEFORE YOU DIG

SHEET NUMBER
4
OF 29 SHEETS

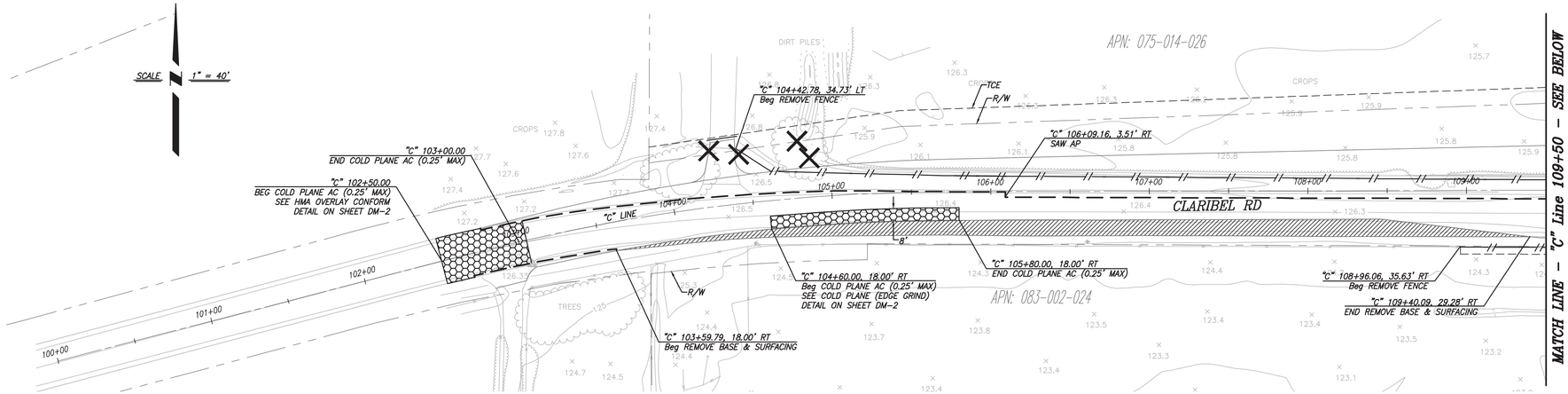
PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_X-1 PLOT DATE: Mar 28, 2018-04:23:06pm CAD USER: jhernandez

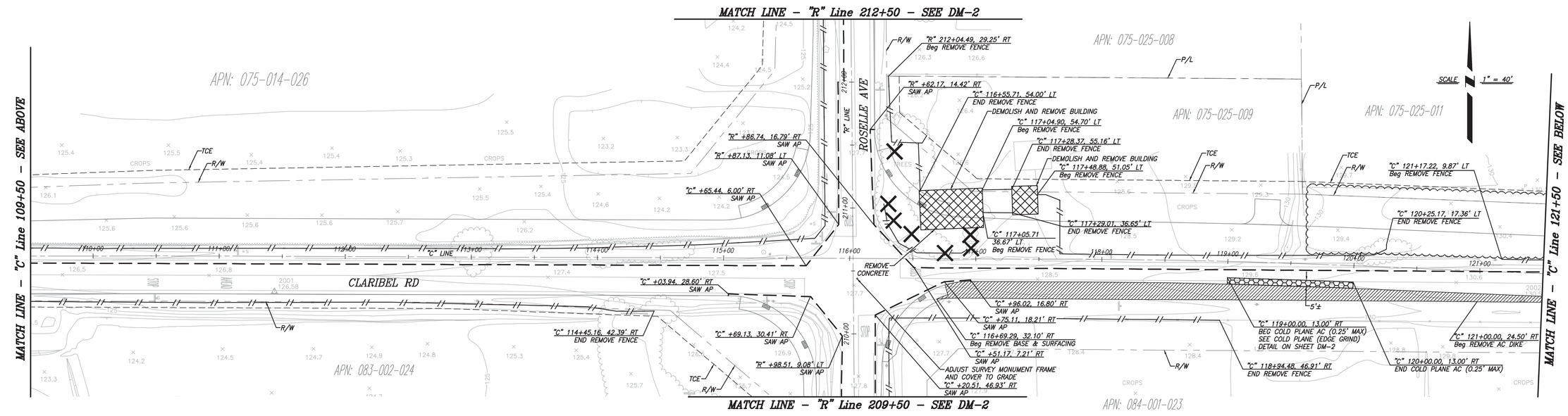
## LEGEND

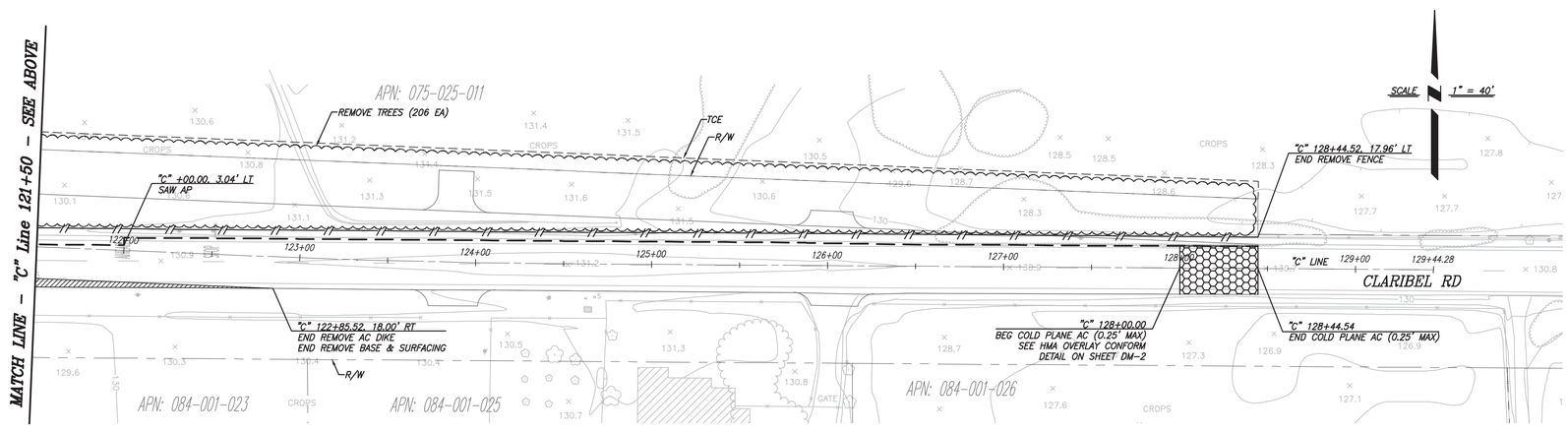
- REMOVE TREE
- TREE REMOVAL BOUNDARY
- REMOVE BASE AND SURFACING
- DEMOLISH AND REMOVE BUILDING
- COLD PLANE AC (0.25' MAX)
- REMOVE FENCE
- SAW CUT

## NOTES:

1. FOR STATION & OFFSETS NOT SHOWN ON DEMOLITION PLAN, SEE LAYOUT SHEETS.
2. FOR ADDITIONAL COLD PLANE DETAILS, SEE CONSTRUCTION DETAILS.

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STATE OF CALIFORNIA

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|---|---|---|---|
| | | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

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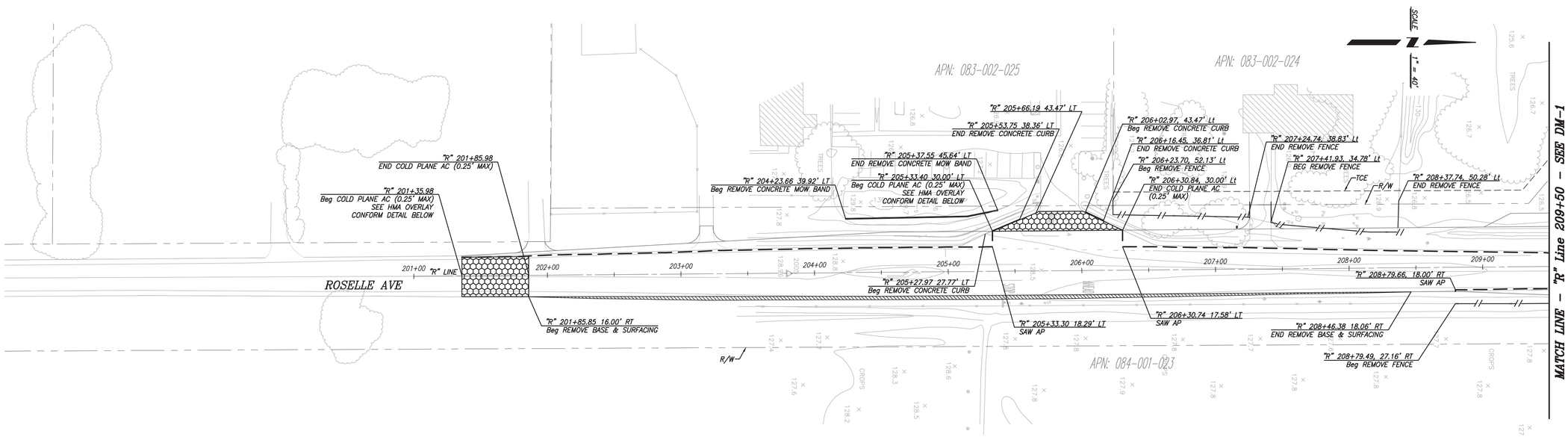
# DEMOLITION PLAN SHEET 1 (DM-1)

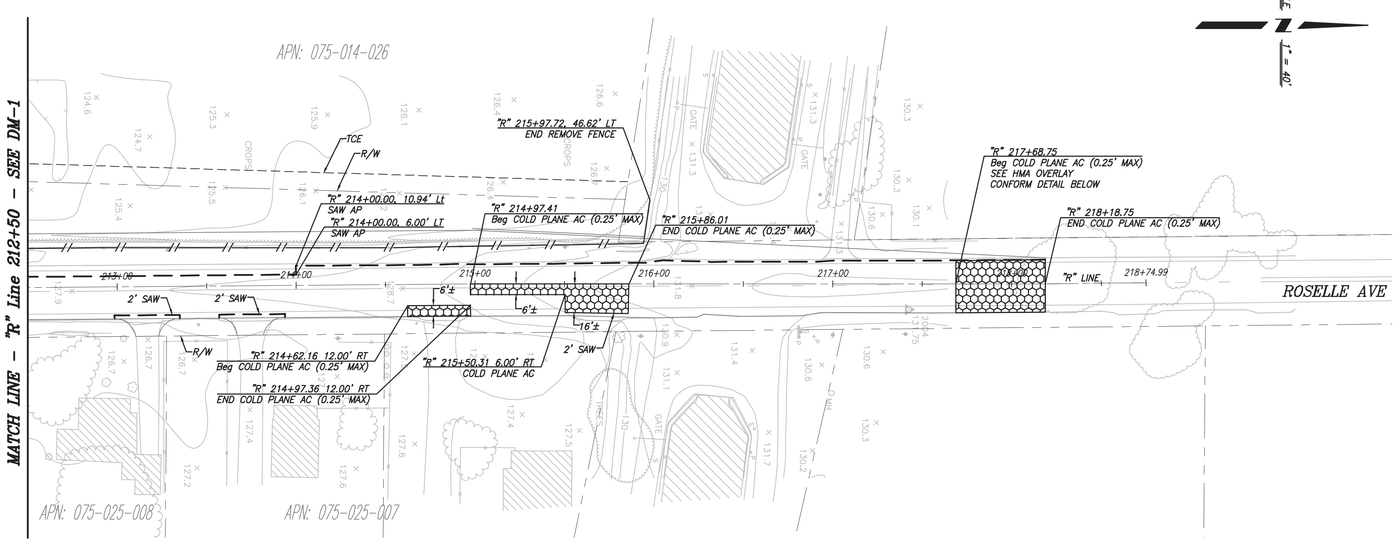
IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE INTERSECTION PROJECT
MODESTO, CALIFORNIA

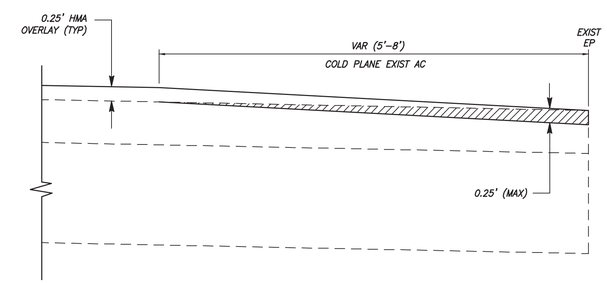
| | |
|---|---|
| JOB NO | CR9605 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER 5 OF 29 SHEETS

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_DM-1 to DM-2 PLOT DATE: Mar 28, 2018-04:24:54pm CAD USER: jhernandez

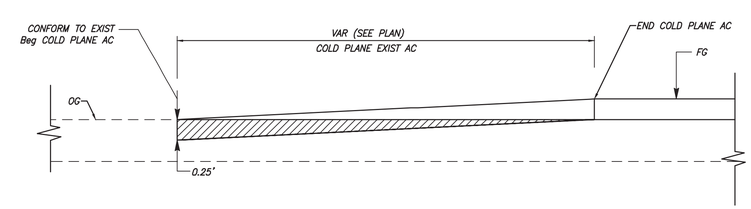



COLD PLANE (EDGE GRIND) DETAIL

NO SCALE




HMA OVERLAY CONFORM DETAIL

NO SCALE

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARKER
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

| NO | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
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STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

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DEMOLITION PLAN SHEET 2 (DM-2)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

JOB NO CR9606
DATE 3/16/2018
DR BY JE
CK BY JW/JP
SURVEY
CONST.
SCALE AS SHOWN

SHEET NUMBER
6
OF 29 SHEETS

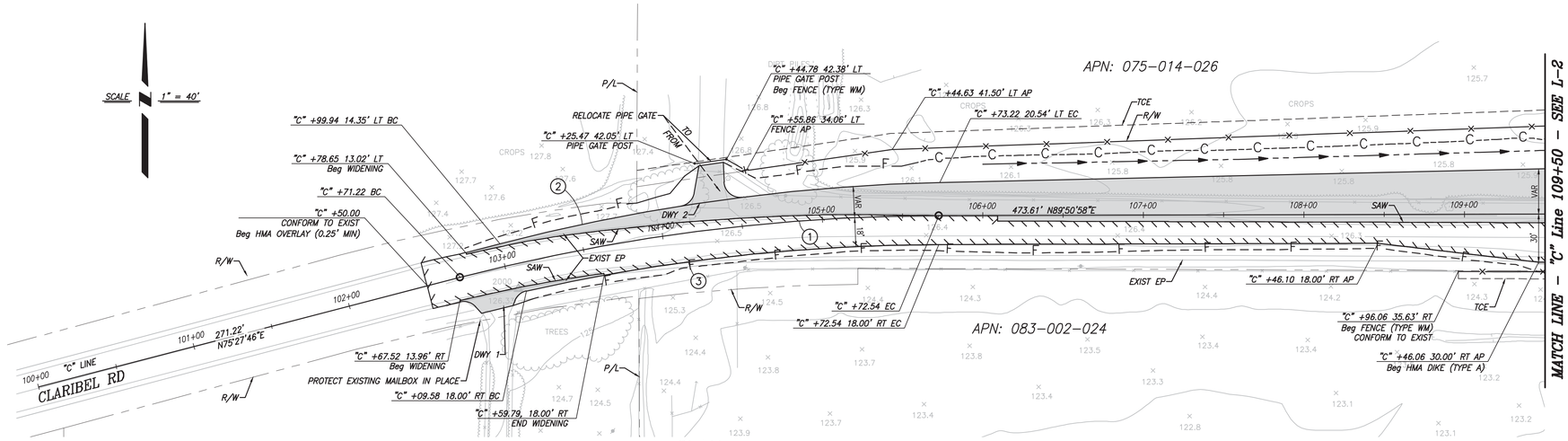
PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\
FILE NAME: CR_DM-1 to DM-2
PLOT DATE: Mar 28, 2018-04:24:57pm
CAD USER: jhernandez

## LEGEND

- NEW PAVEMENT
- HMA OVERLAY (0.25' MIN)
- AB CONFORM
- CUT LIMITS
- FILL LIMITS
- FENCE
- DITCH FLOWLINE

## NOTES

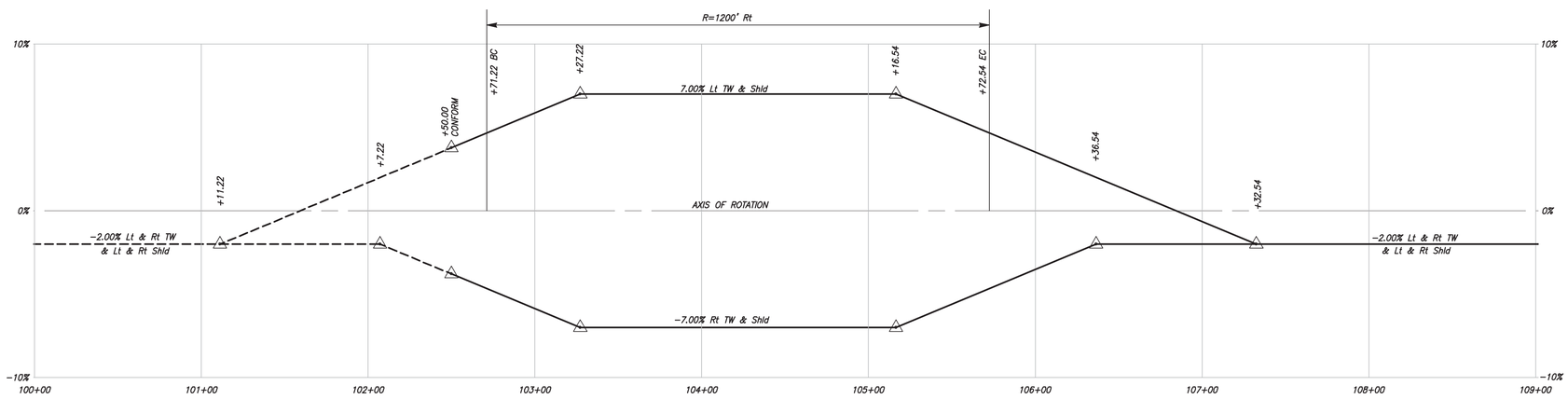
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
2. FOR STATION AND OFFSETS NOT SHOWN ON LAYOUT SHEETS, SEE CONSTRUCTION DETAILS AND GRADING PLAN. SEE CONSTRUCTION DETAILS FOR DRIVEWAY DETAILS.
3. FOR LIMITS OF COLD PLANE AC AND FENCE REMOVAL, SEE DEMOLITION PLAN.
4. FOR FLOWLINE STATION AND OFFSETS AND ELEVATIONS, SEE DRAINAGE AND UTILITY PLAN. CURB & GUTTER CALLOUTS ARE TO FLOWLINE.
5. INSTALL WIRE MESH (WM) AND BARBED WIRE (BW) FENCE PER CALTRANS STD PLAN A86. INSTALL HMA DIKE PER CALTRANS STD PLAN A87B. INSTALL VERTICAL CURB (A3-6) PER CALTRANS STD PLAN A87A.




PLAN

## CURVE TABLE

| No. | RADIUS | △ | LENGTH | TANGENT |
|---|---|---|---|---|
| 1 | 1200.00' | 14°23'13" | 301.32' | 151.46' |
| 2 | 1340.00' | 12°40'23" | 296.39' | 148.80' |
| 3 | 1182.00' | 12°33'19" | 259.01' | 130.03' |




SUPERELEVATION

HORIZONTAL SCALE: 1" = 40'

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARKER
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: _____ DATE: _____

| NO | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| | REVISIONS | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County — Striving to be the best

LAYOUTS SHEET 1 (L-1)

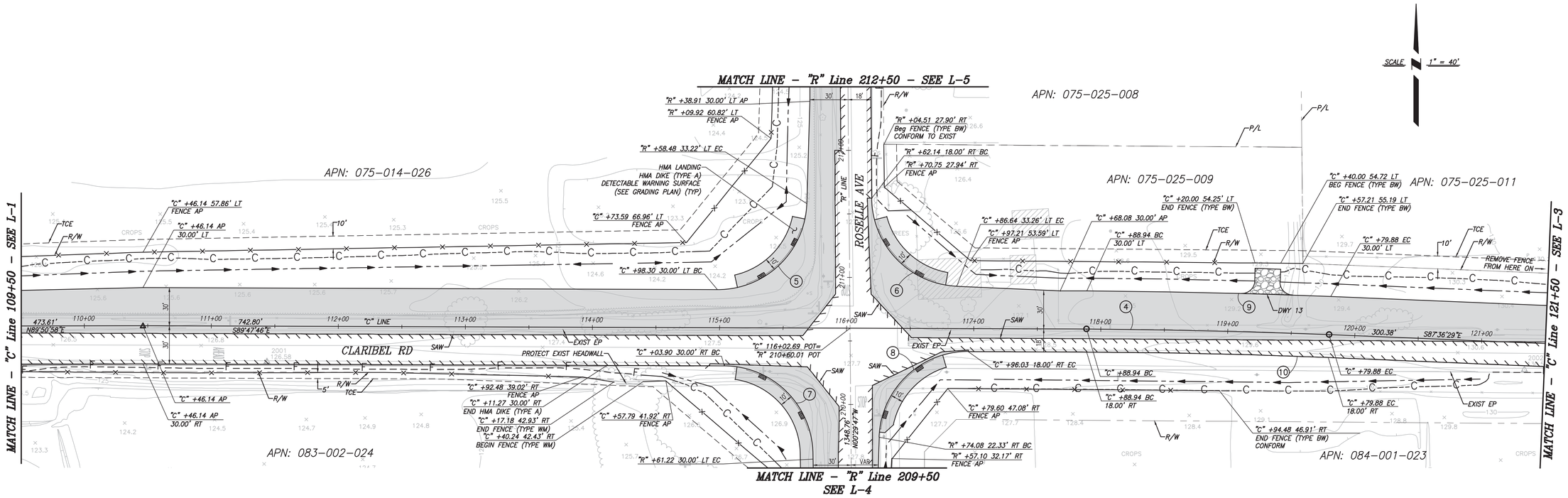
IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

JOB NO CR9606
DATE 3/16/2018
DR BY JE
CK BY JW/JP
SURVEY
CONST.
SCALE AS SHOWN

SHEET NUMBER 7 OF 29 SHEETS

811 CALL BEFORE YOU DIG

CAD USER: jhernandez
PLOT DATE: Mar 28, 2018-04:27:15pm
FILE NAME: CR_L-1 to L-5
PATH: V:\Stanislaus-SA-14\107-Claribel-Roselle Intersection\CADD\Sheets\




PLAN

## CURVE TABLE

| No. | RADIUS | △ | LENGTH | TANGENT |
|---|---|---|---|---|
| 4 | 5000.00' | 02°11'17" | 190.94' | 95.48' |
| 5 | 70.00' | 88°24'32" | 108.01' | 68.08' |
| 6 | 70.00' | 87°00'34" | 106.30' | 66.44' |
| 7 | 70.00' | 89°17'59" | 109.10' | 69.15' |
| 8 | 70.00' | 88°04'27" | 107.60' | 67.69' |
| 9 | 5030.00' | 02°11'17" | 192.08' | 96.05' |
| 10 | 4982.00' | 02°11'17" | 190.25' | 95.14' |

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARTRIDGE
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
DATE:

| NO | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| | REVISIONS | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

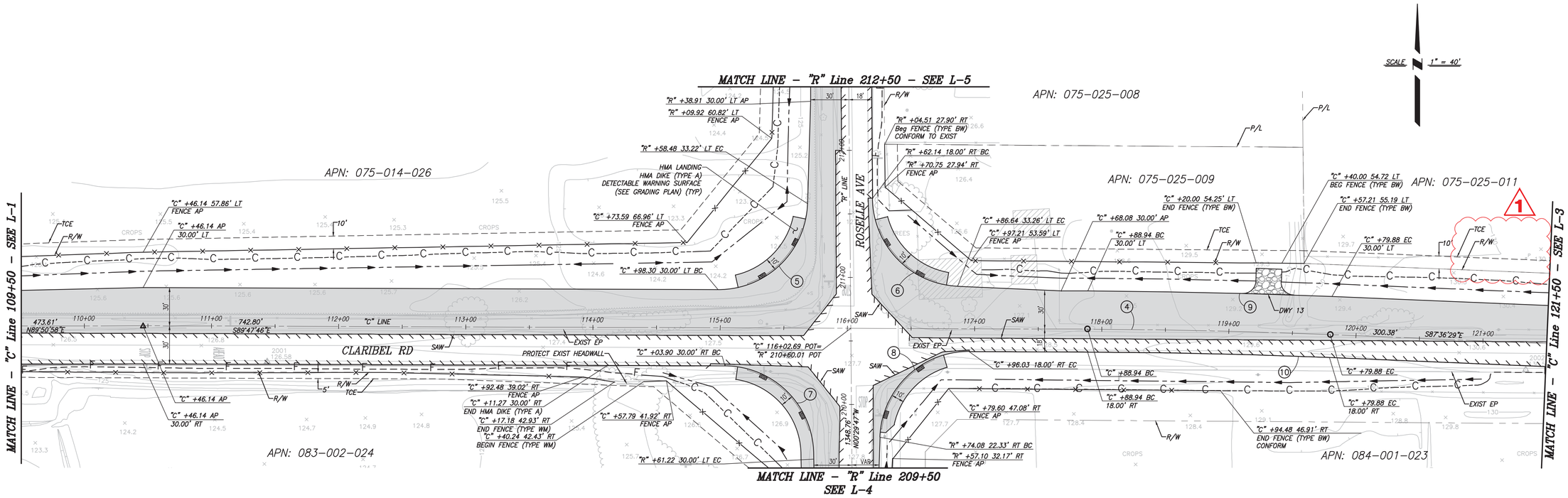
LAYOUTS SHEET 2 (L-2)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

JOB NO CR9506
DATE 3/16/2018
DR BY JE
CK BY JW/JP
SURVEY
CONST.
SCALE AS SHOWN

SHEET NUMBER
8
OF 29 SHEETS

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\
FILE NAME: CR_L-1 to L-5
PLOT DATE: Mar 28, 2018-04:27:16pm
CAD USER: jhernandez




PLAN

## CURVE TABLE

| No. | RADIUS | △ | LENGTH | TANGENT |
|---|---|---|---|---|
| 4 | 5000.00' | 02°11'17" | 190.94' | 95.48' |
| 5 | 70.00' | 88°24'32" | 108.01' | 68.08' |
| 6 | 70.00' | 87°00'34" | 106.30' | 66.44' |
| 7 | 70.00' | 89°17'59" | 109.10' | 69.15' |
| 8 | 70.00' | 88°04'27" | 107.60' | 67.69' |
| 9 | 5030.00' | 02°11'17" | 192.08' | 96.05' |
| 10 | 4982.00' | 02°11'17" | 190.25' | 95.14' |

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARRISH
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

REVISIONS

| NO. | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| 1 | REMOVE PLACE FENCE CALLOUTS | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
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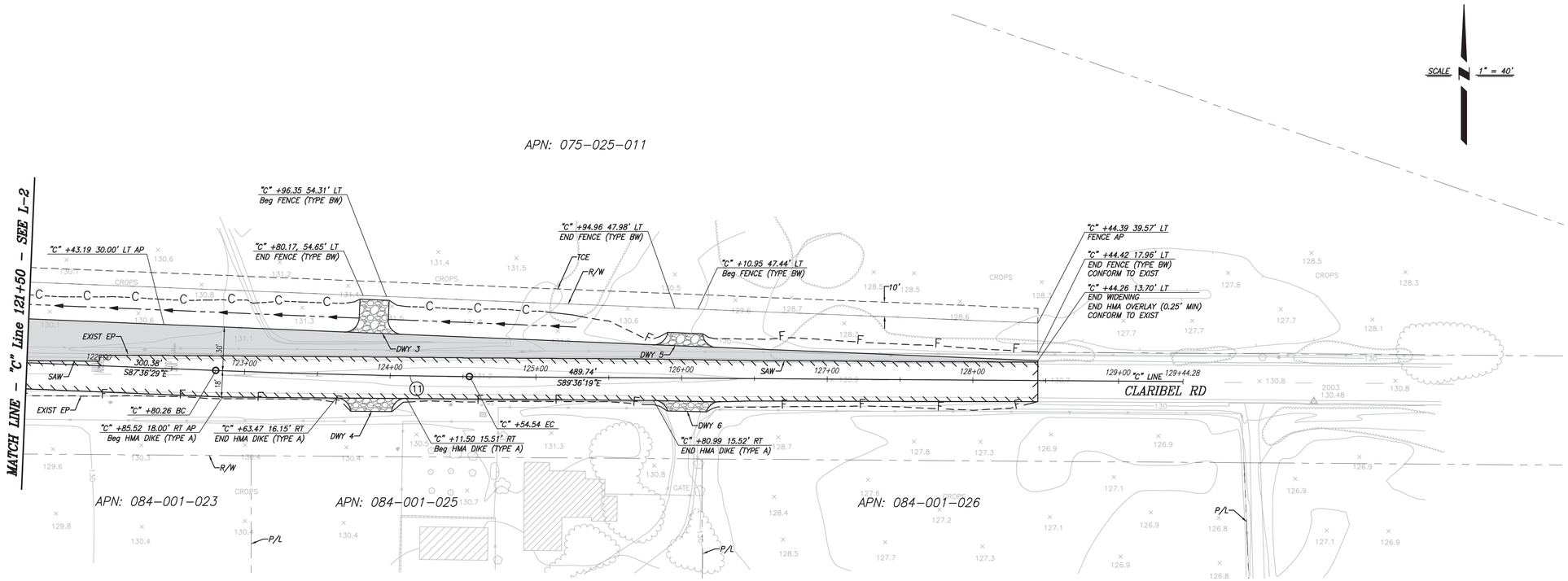
LAYOUTS SHEET 2 (L-2)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

JOB NO CR9506
DATE 3/16/2018
DR BY JE
CK BY JW/JP
SURVEY
CONST.
SCALE AS SHOWN

SHEET NUMBER 8
OF 29 SHEETS

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\Addendum\ FILE NAME: CR_L-1 to L-5-rev1 PLOT DATE: Jun 20, 2018-11:52:21am CAD USER: jhernandez




PLAN

## CURVE TABLE

| No. | RADIUS | △ | LENGTH | TANGENT |
|---|---|---|---|---|
| 11 | 5000.00' | 01°59'50" | 174.28' | 87.15' |

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARTRIDGE
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

DATE:

| REVISIONS | | | |
|---|---|---|---|
| NO | DESCRIPTIONS | DATE | APPROVED |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
Striving to be the best

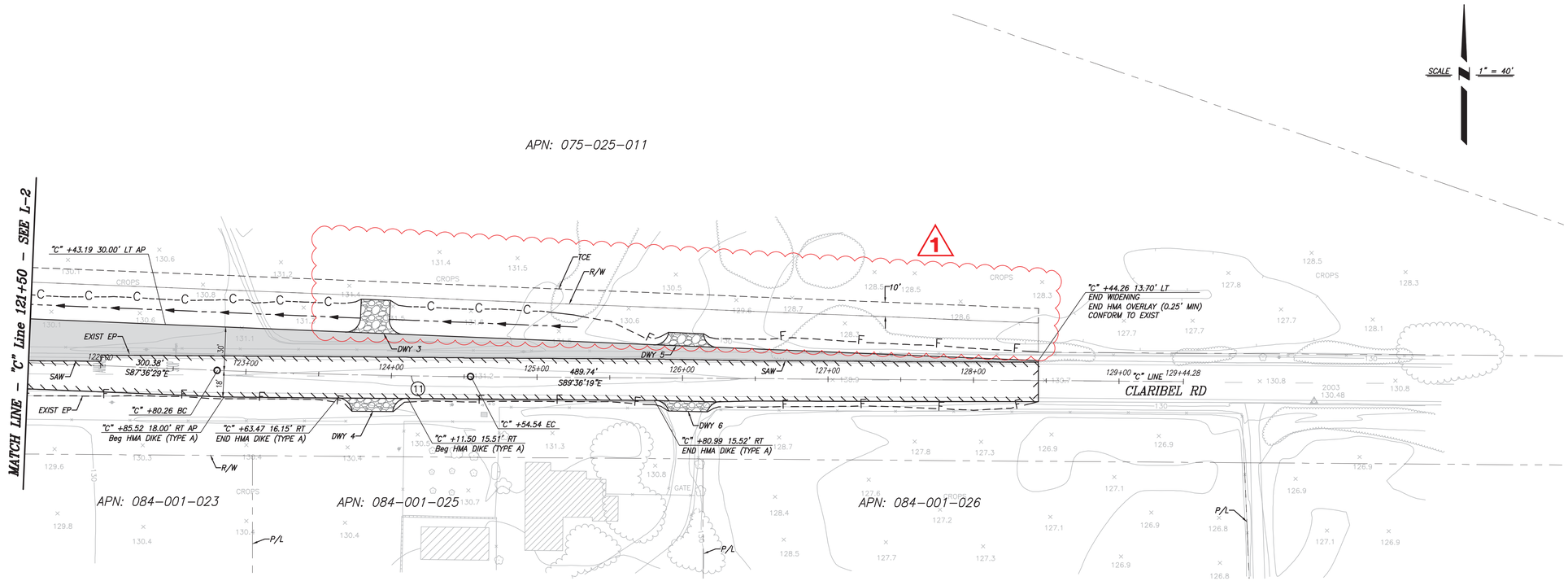
LAYOUTS SHEET 3 (L-3)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

JOB NO CR9606
DATE 3/16/2018
DR BY JE
CK BY JW/JP
SURVEY
CONST.
SCALE AS SHOWN

SHEET NUMBER
9
OF 29 SHEETS

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\
FILE NAME: CR_L-1 to L-5
PLOT DATE: Mar 28, 2018-04:27:18pm
CAD USER: jhernandez




PLAN

## CURVE TABLE

| No. | RADIUS | △ | LENGTH | TANGENT |
|---|---|---|---|---|
| 11 | 5000.00' | 01°59'50" | 174.28' | 87.15' |

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARKER
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

DATE:

REVISIONS

| NO. | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| 1 | REMOVE PLACE FENCE CALLOUTS | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
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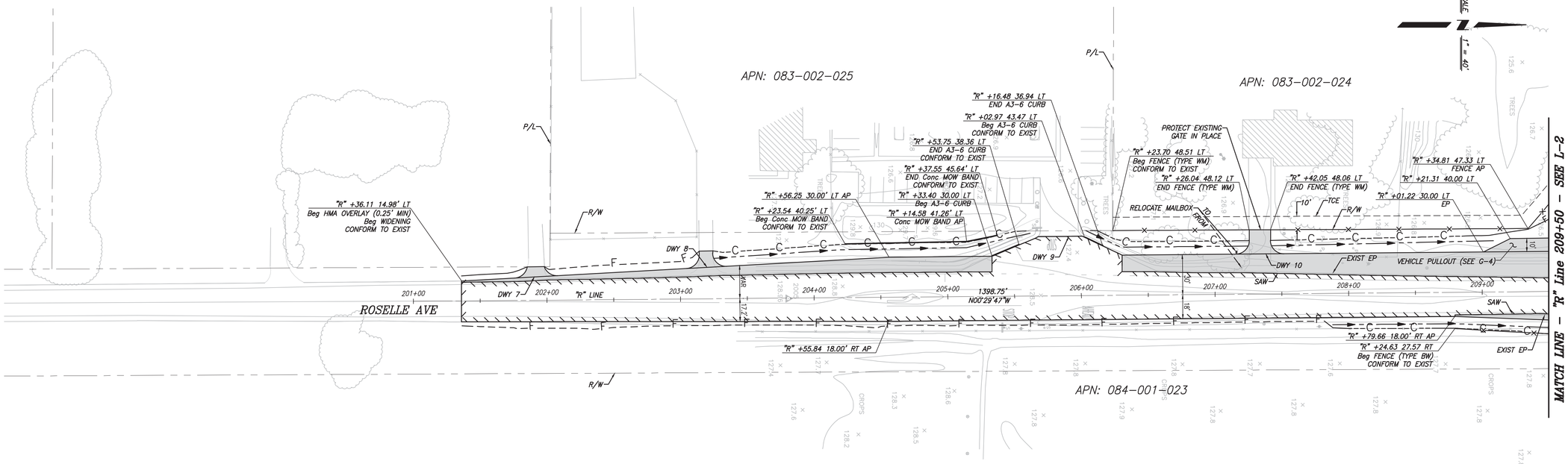
LAYOUTS SHEET 3 (L-3)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

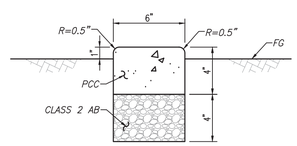
JOB NO CR9606
DATE 3/16/2018
DR BY JE
CK BY JW/JP
SURVEY
CONST.
SCALE AS SHOWN

SHEET NUMBER
9
OF 29 SHEETS

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\Addendum\
FILE NAME: CR_L-1 to L-5-rev1
PLOT DATE: Jun 20, 2018-11:52:42am
CAD USER: jhernandez




PLAN




CONCRETE MOW BAND

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARTRIDGE
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

| NO | DESCRIPTIONS | REVISIONS | DATE | APPROVED |
|---|---|---|---|---|

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
Striving to be the best

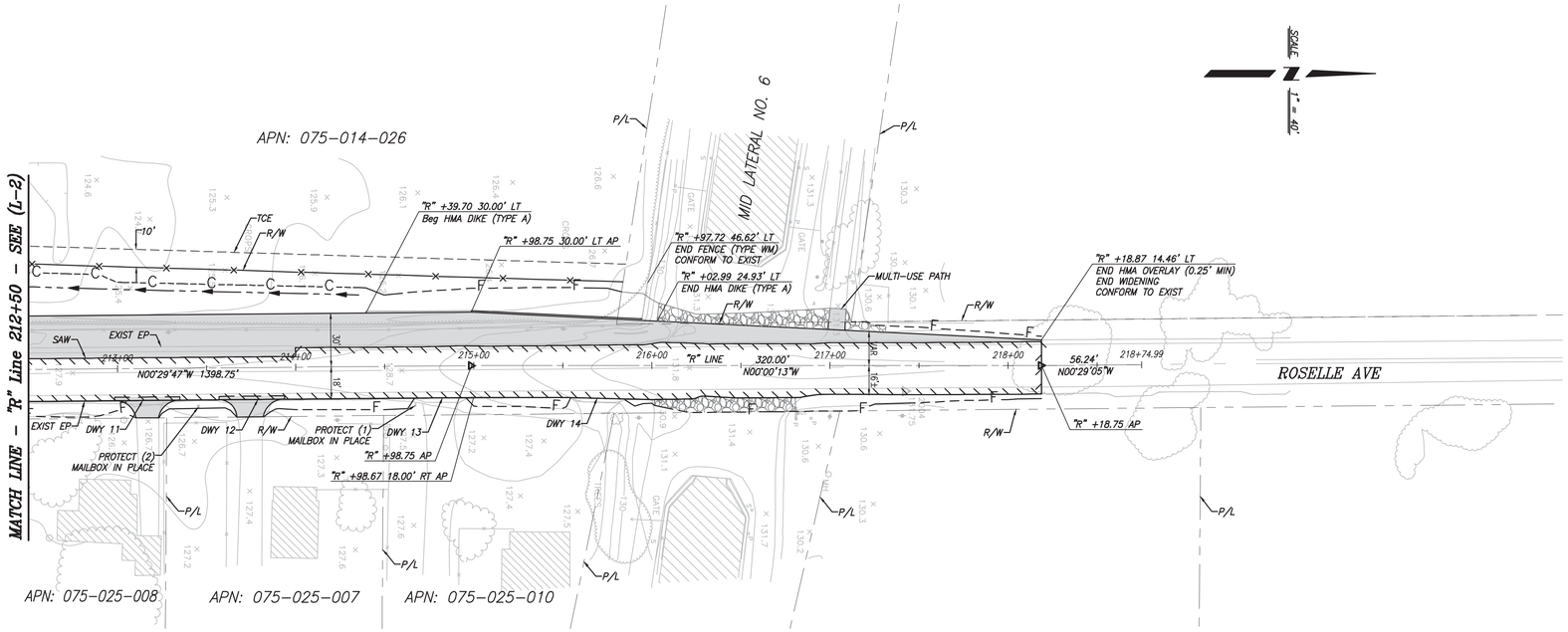
LAYOUTS SHEET 4 (L-4)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

JOB NO CR9606
DATE 3/16/2018
DR BY JE
CK BY JW/JP
SURVEY
CONST.
SCALE AS SHOWN

SHEET NUMBER
10
OF 29 SHEETS

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_L-1 to L-5 PLOT DATE: Mar 28, 2018-04:27:20pm CAD USER: jhernandez




PLAN

SCALE 1" = 40'

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARKER
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

DATE:

| REVISIONS | | | |
|---|---|---|---|
| NO | DESCRIPTIONS | DATE | APPROVED |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
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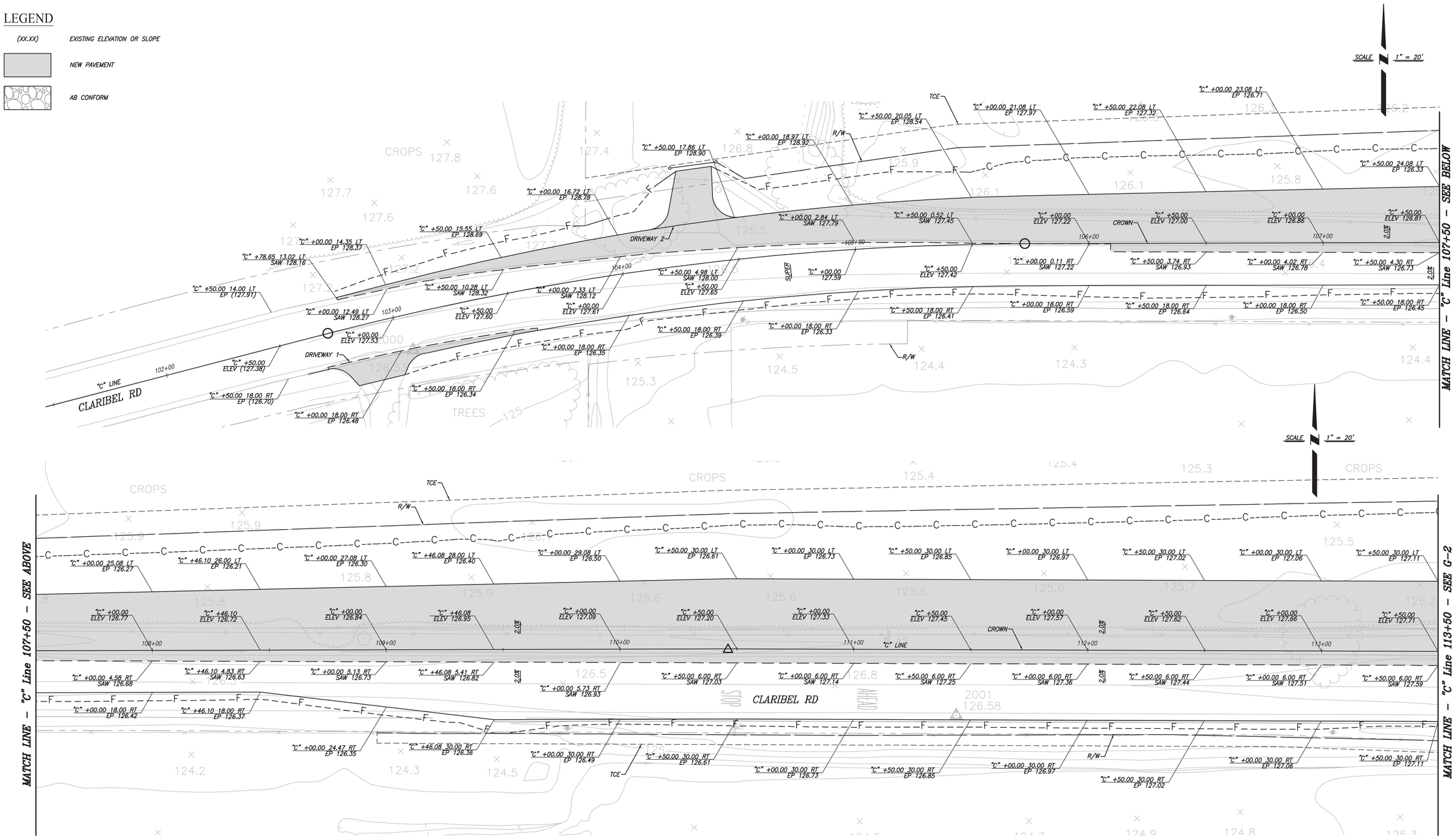
LAYOUTS SHEET 5 (L-5)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

JOB NO CR9606
DATE 3/16/2018
DR BY JE
CK BY JW/JP
SURVEY
CONST.
SCALE AS SHOWN

SHEET NUMBER
11
OF 29 SHEETS

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_L-1 to L-5 PLOT DATE: Mar 28, 2018-04:27:22pm CAD USER: jhernandez




GRADING PLAN

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_G-1 to G-5 PLOT DATE: Mar 28, 2018-04:29:44pm CAD USER: jhernandez

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARKINSON
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

| NO | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| | REVISIONS | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

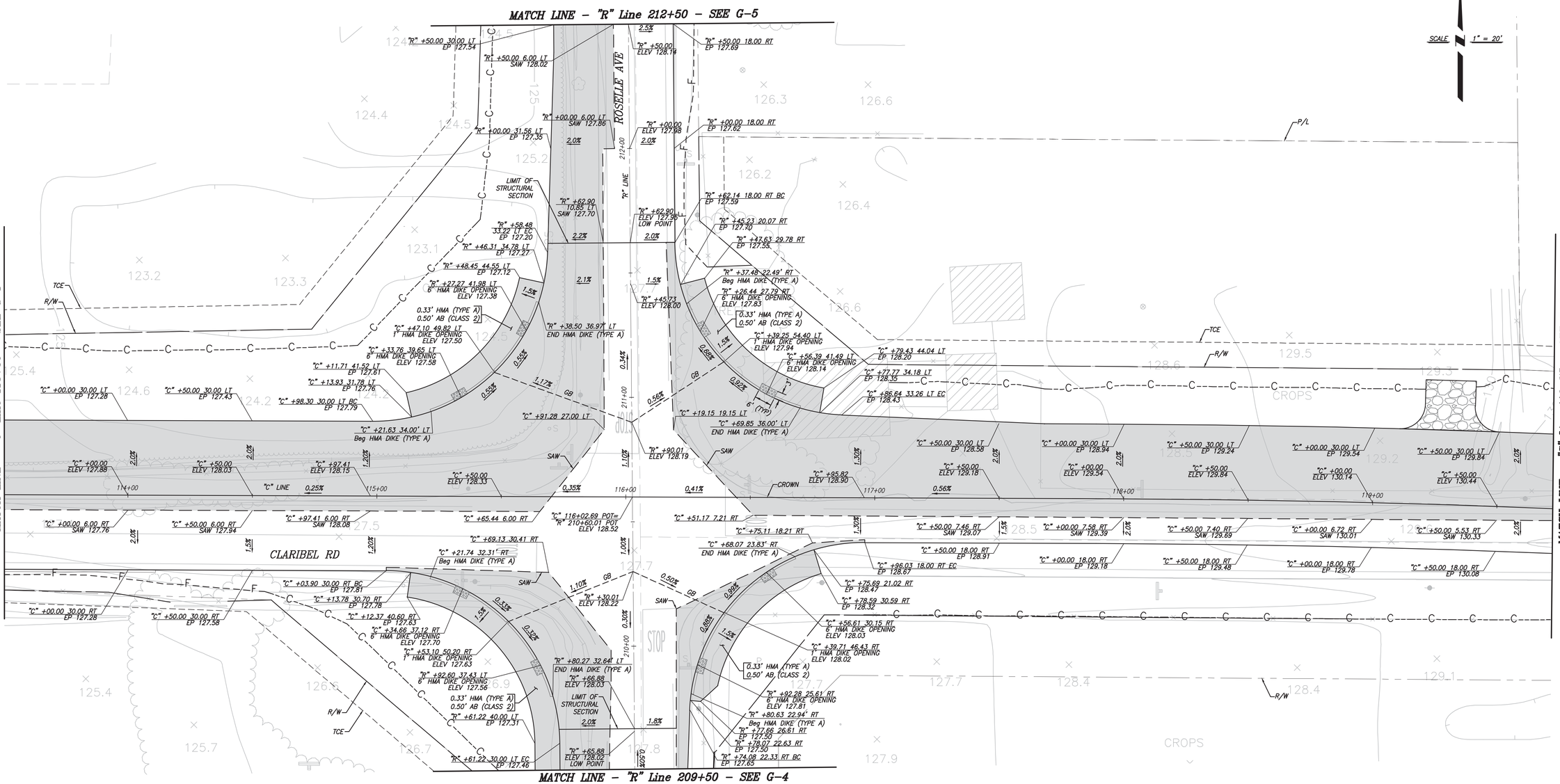
GRADING PLAN SHEET 1 (G-1)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

| | |
|---|---|
| JOB NO | CR9505 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

811 CALL BEFORE YOU DIG

SHEET NUMBER 12 OF 29 SHEETS




GRADING PLAN

PREPARED UNDER THE DIRECTION OF:

DATE:

| NO | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| | REVISIONS | | |

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARTRIDGE
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

GRADING PLAN SHEET 2 (G-2)

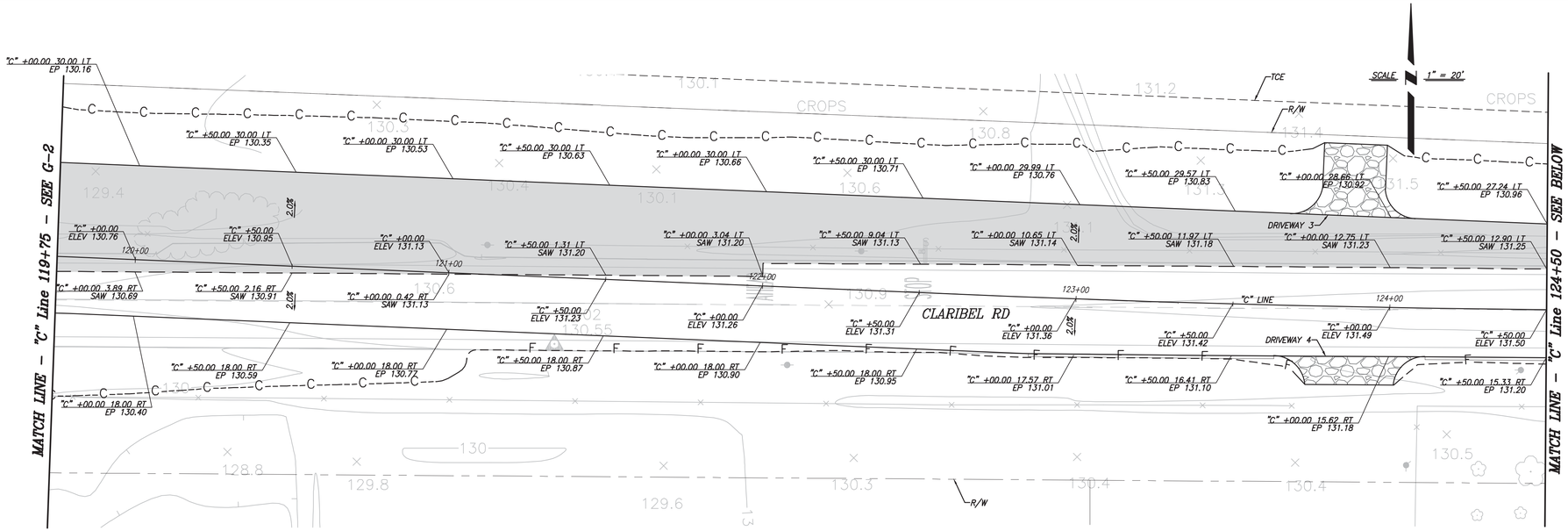
IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE INTERSECTION PROJECT
MODESTO, CALIFORNIA

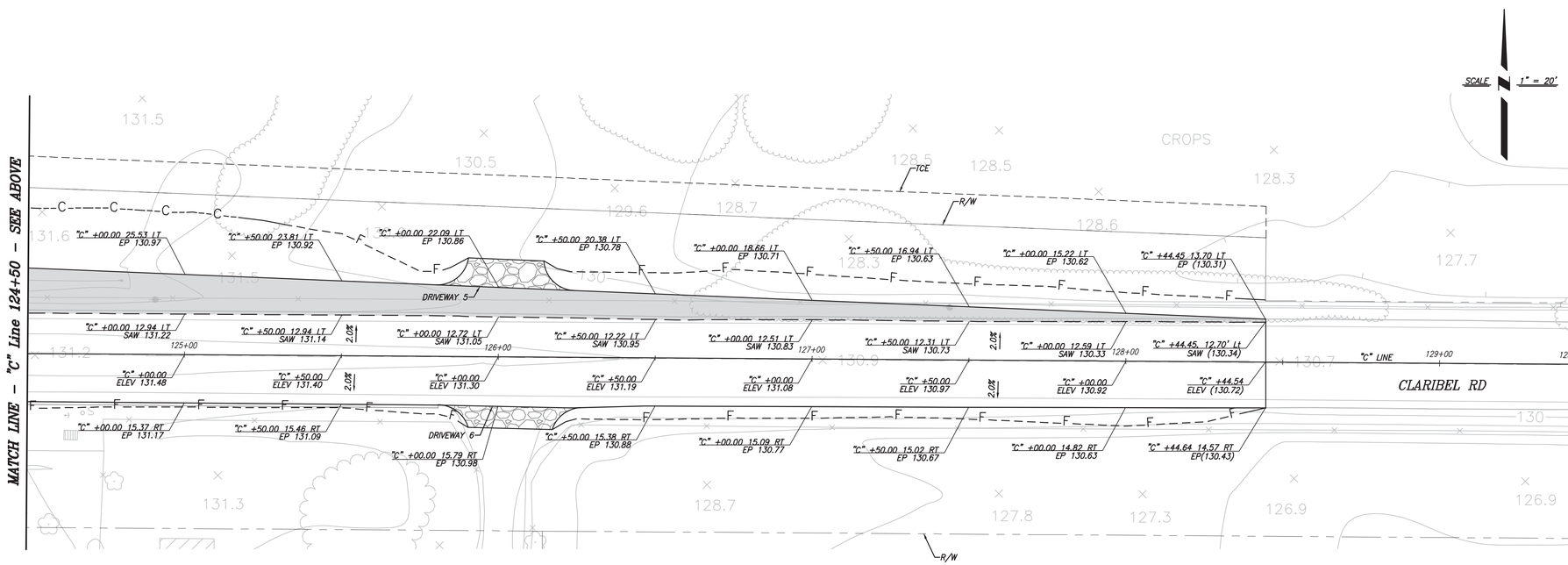
| | |
|---|---|
| JOB NO | CR9506 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER
13
OF 29 SHEETS

811
CALL BEFORE YOU DIG

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_G-1 to G-5 PLOT DATE: Mar 28, 2018-04:29:46pm CAD USER: jhernandez




GRADING PLAN

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARKER
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: _____ DATE: _____

| REVISIONS | | | |
|---|---|---|---|
| NO | DESCRIPTIONS | DATE | APPROVED |

# STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

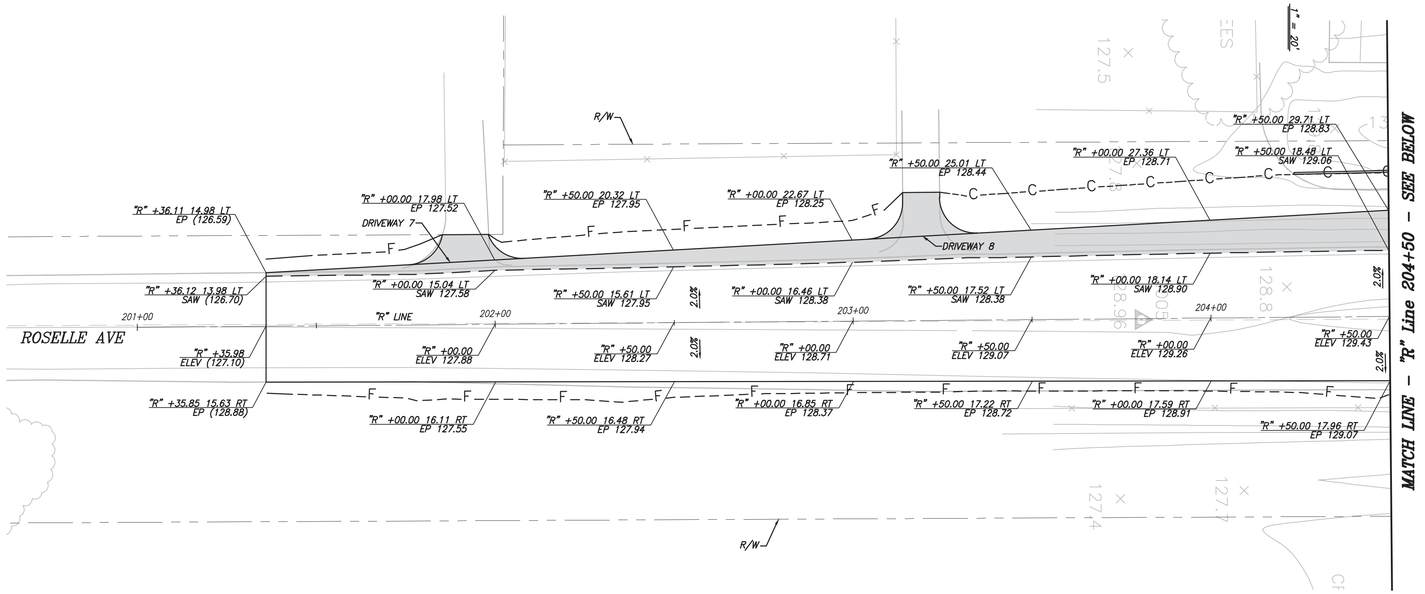
## GRADING PLAN SHEET 3 (G-3)

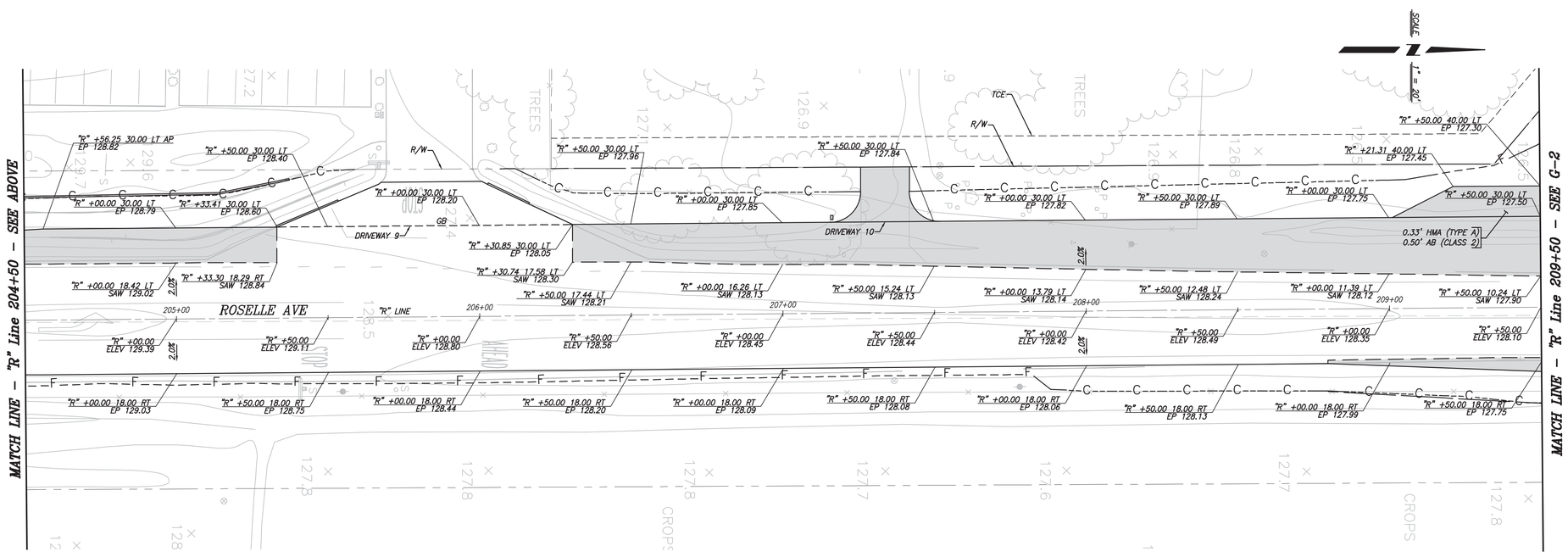
IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER 14 OF 29 SHEETS

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_G-1 to G-5 PLOT DATE: Mar 28, 2018-04:29:49pm CAD USER: jhernandez




GRADING PLAN

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARKER
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

| REVISIONS | | | |
|---|---|---|---|
| NO | DESCRIPTIONS | DATE | APPROVED |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

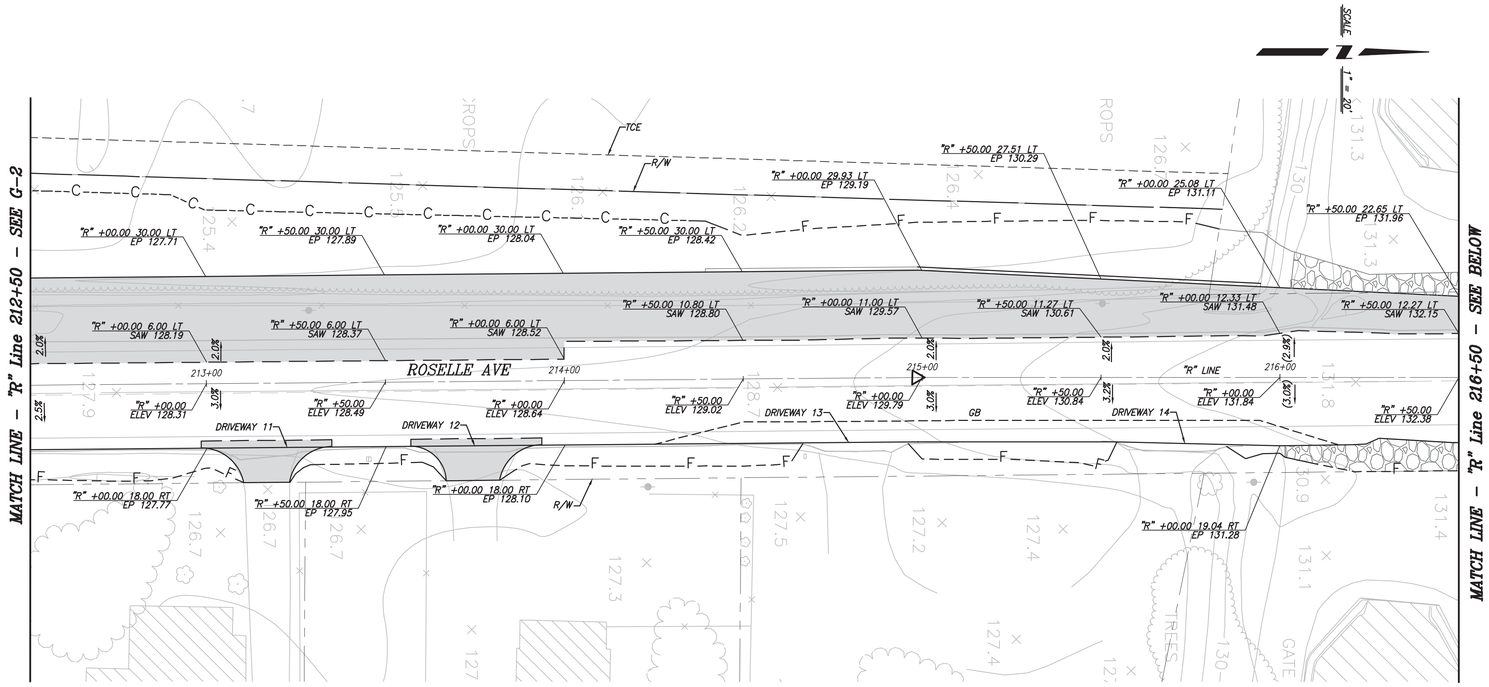
GRADING PLAN SHEET 4 (G-4)

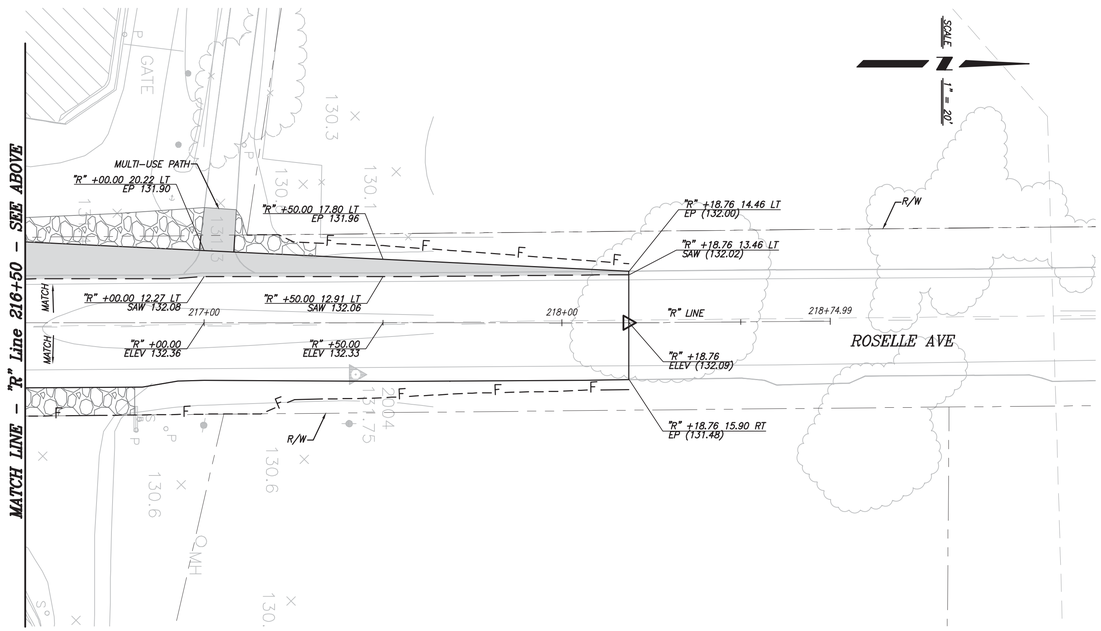
IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

| | |
|---|---|
| JOB NO | CR9605 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER 15 OF 29 SHEETS

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_G-1 to G-5 PLOT DATE: Mar 28, 2018-04:29:52pm CAD USER: jhernandez




GRADING PLAN

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_G-1 to G-5 PLOT DATE: Mar 28, 2018-04:29:55pm CAD USER: jhernandez

REGISTERED PROFESSIONAL ENGINEER JAMES MARSHALL PANTUSO 71445 Exp. 12/31/19 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

| REVISIONS | | | |
|---|---|---|---|
| NO | DESCRIPTIONS | DATE | APPROVED |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County Strivingto be the best

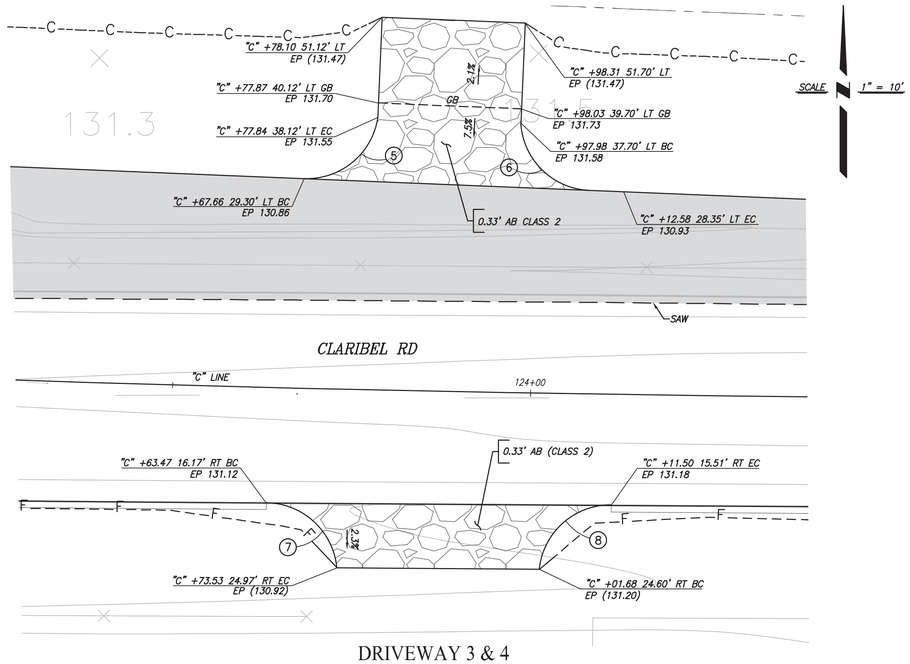
GRADING PLAN SHEET 5 (G-5)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE INTERSECTION PROJECT
MODESTO, CALIFORNIA

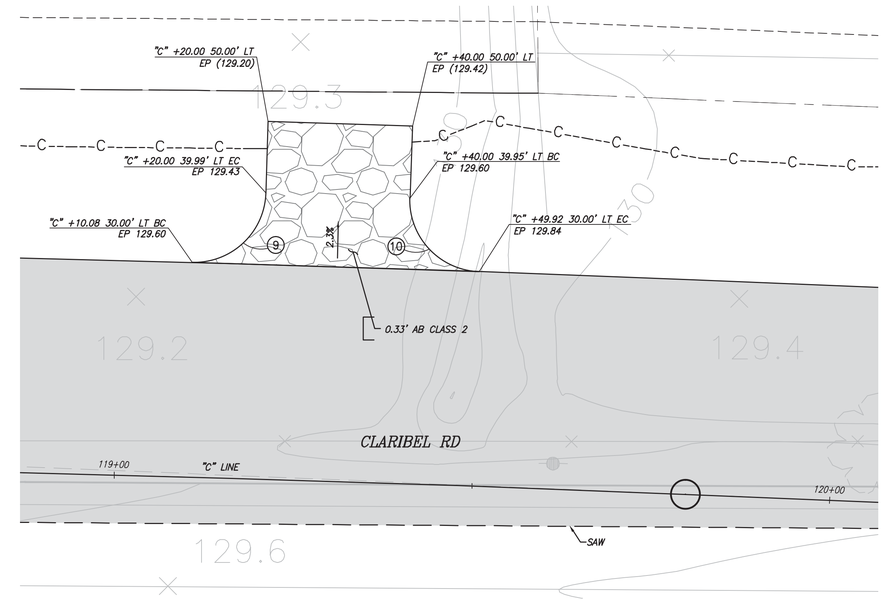
| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

811 CALL BEFORE YOU DIG

SHEET NUMBER 16 OF 29 SHEETS

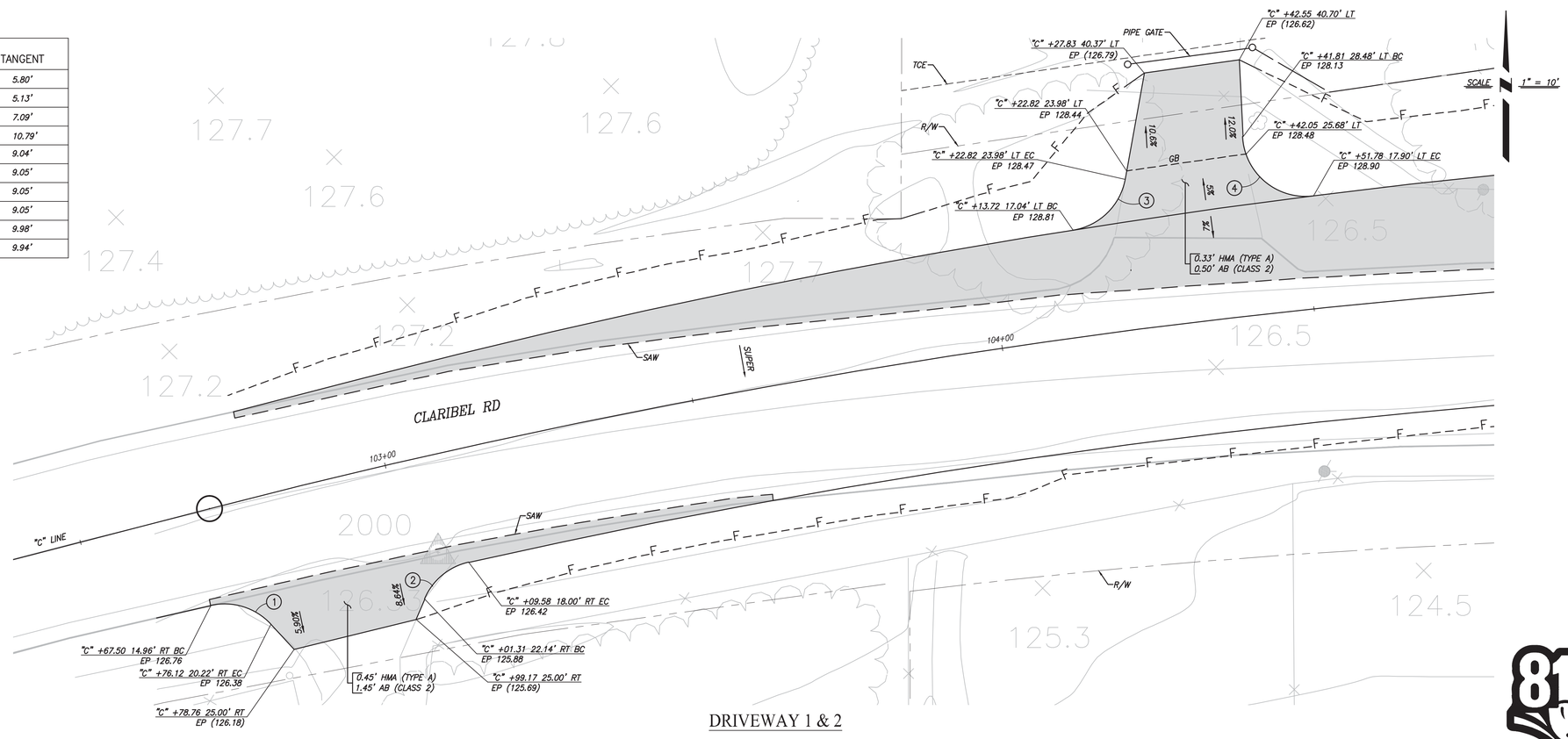



DRIVEWAY 3 & 4




DRIVEWAY 13

| | RADIUS | △ | LENGTH | TANGENT |
|---|---|---|---|---|
| 1 | 10.00' | 60°15'00" | 10.52' | 5.80' |
| 2 | 10.00' | 54°18'00" | 9.48' | 5.13' |
| 3 | 10.00' | 70°42'36" | 12.34' | 7.09' |
| 4 | 10.00' | 94°22'05" | 16.47' | 10.79' |
| 5 | 10.00' | 84°15'25" | 14.71' | 9.04' |
| 6 | 10.00' | 84°15'39" | 14.71' | 9.05' |
| 7 | 10.00' | 84°15'39" | 14.71' | 9.05' |
| 8 | 10.00' | 84°15'39" | 14.71' | 9.05' |
| 9 | 10.00' | 89°53'13" | 15.69' | 9.98' |
| 10 | 10.00' | 89°39'13" | 15.65' | 9.94' |




DRIVEWAY 1 & 2

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PAULSEN
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

| NO | REVISIONS DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|

# STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County — Striving to be the best

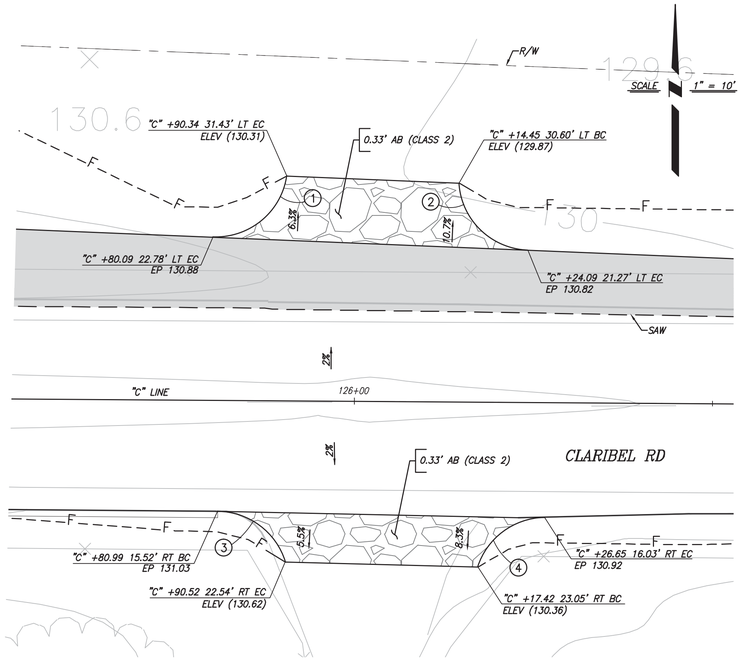
## CONSTRUCTION DETAILS SHEET 1 (C-1)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE INTERSECTION PROJECT
MODESTO, CALIFORNIA

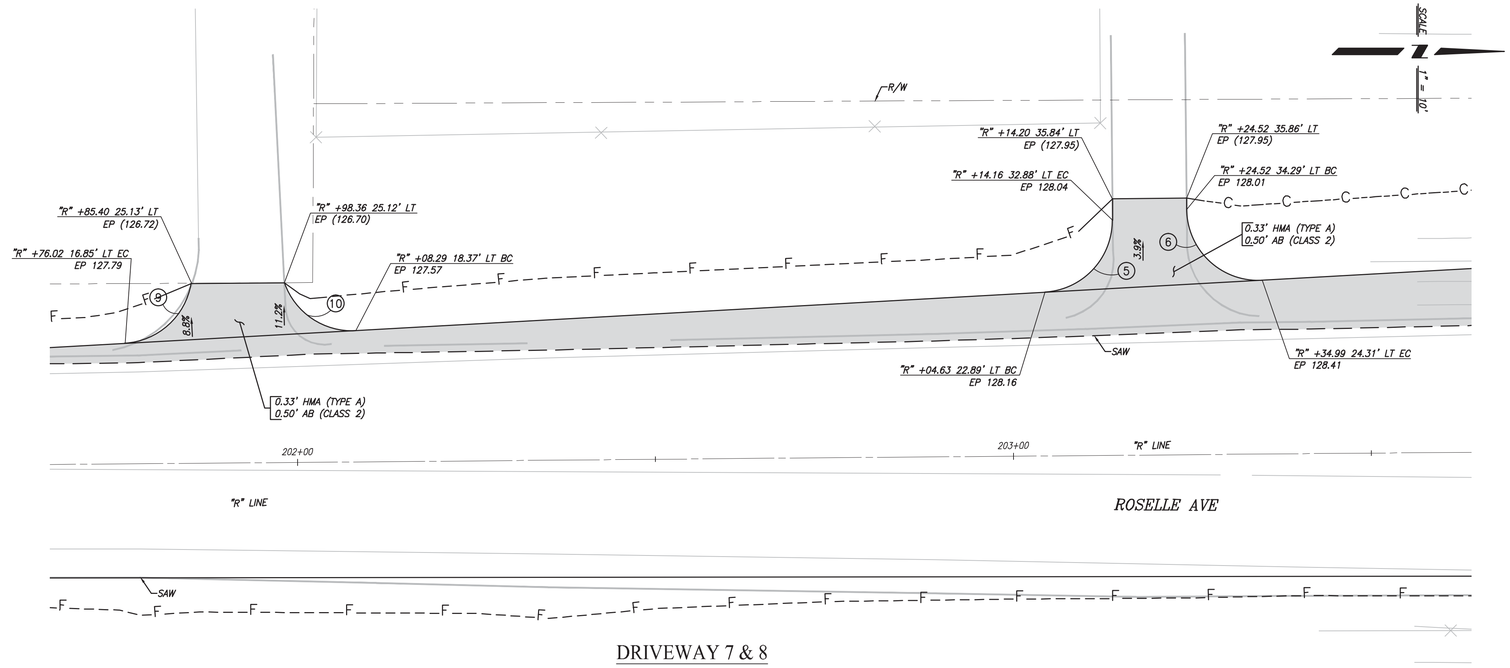
| | |
|---|---|
| JOB NO | CR9605 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER 17 OF 29 SHEETS

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_C-1 to C-X PLOT DATE: Mar 28, 2018-04:32:26pm CAD USER: jhernandez

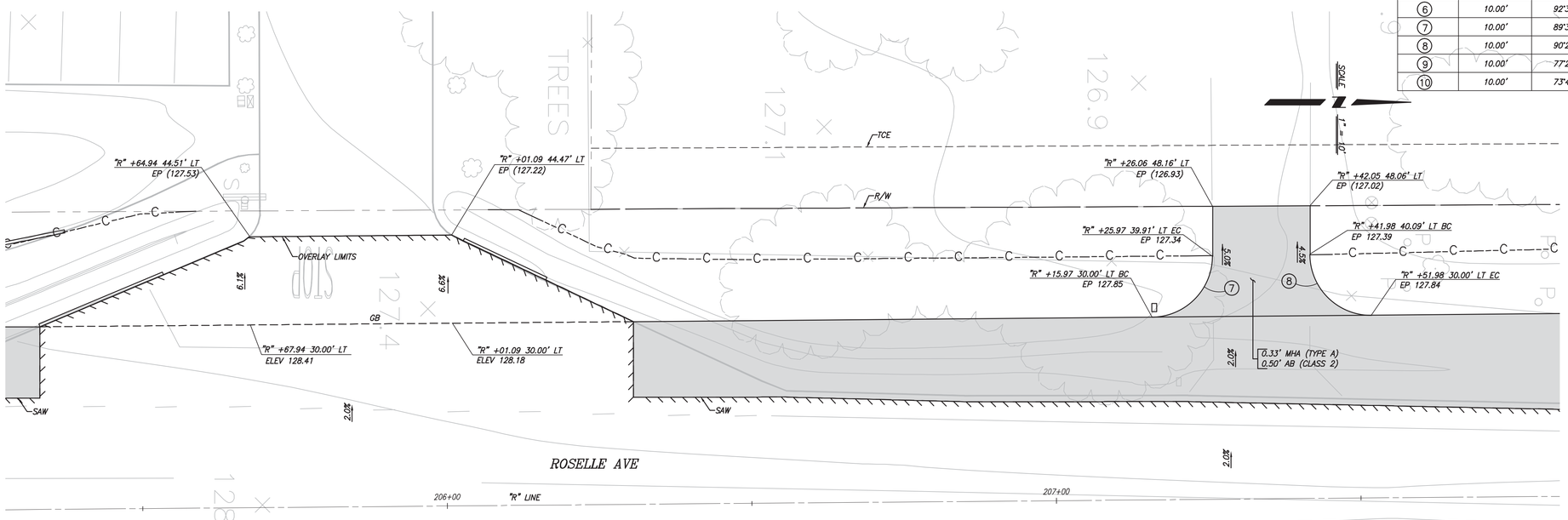



DRIVEWAY 5 & 6




DRIVEWAY 7 & 8

| | RADIUS | △ | LENGTH | TANGENT |
|---|---|---|---|---|
| 1 | 10.00' | 84°15'36" | 14.71' | 9.05' |
| 2 | 10.00' | 89°15'36" | 14.71' | 9.05' |
| 3 | 10.00' | 72°36'17" | 12.67' | 7.35' |
| 4 | 10.00' | 70°54'04" | 12.37' | 7.12' |
| 5 | 10.00' | 87°21'55" | 15.25' | 9.55' |
| 6 | 10.00' | 92°36'26" | 16.16' | 10.47' |
| 7 | 10.00' | 89°30'13" | 15.62' | 9.91' |
| 8 | 10.00' | 90°29'47" | 15.79' | 10.09' |
| 9 | 10.00' | 77°26'11" | 13.52' | 8.02' |
| 10 | 10.00' | 73°49'15" | 12.88' | 7.51' |




DRIVEWAY 9 & 10

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARKER
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

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DATE:

| NO | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| | REVISIONS | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

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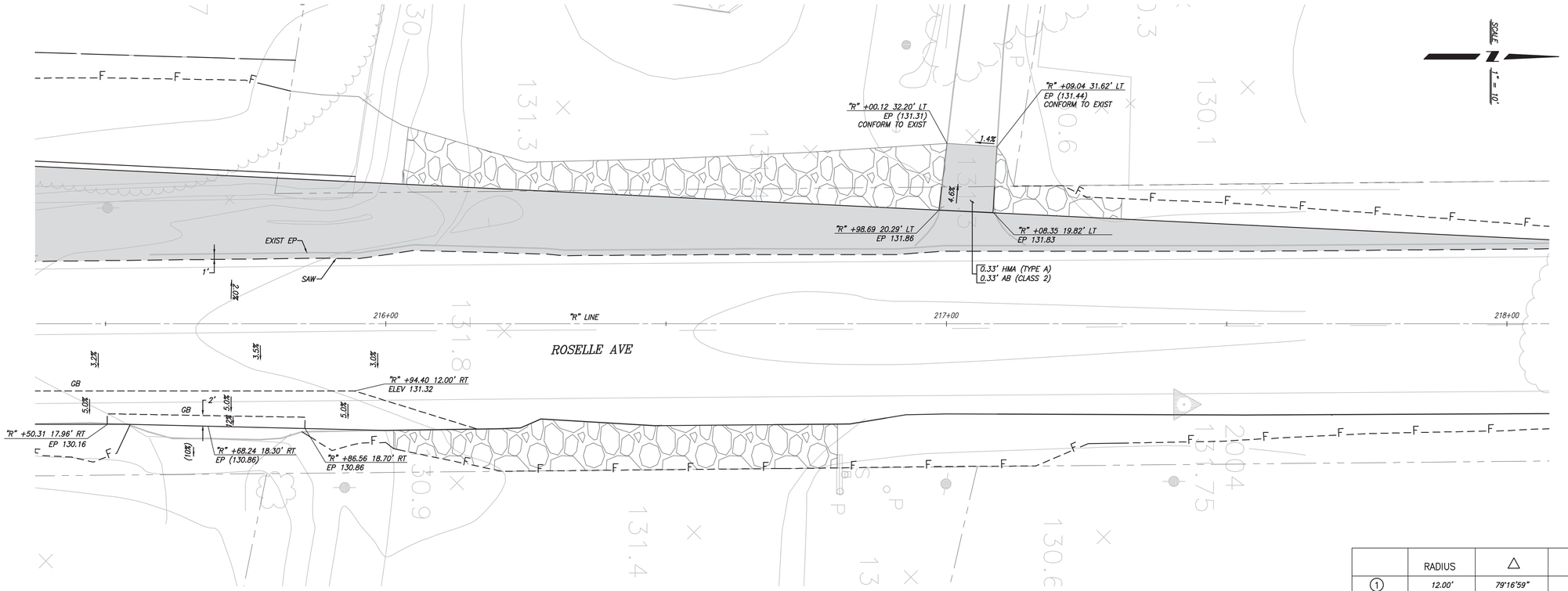
CONSTRUCTION DETAILS SHEET 2 (C-2)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

JOB NO CR9606
DATE 3/16/2018
DR BY JE
CK BY JW/JP
SURVEY
CONST.
SCALE AS SHOWN

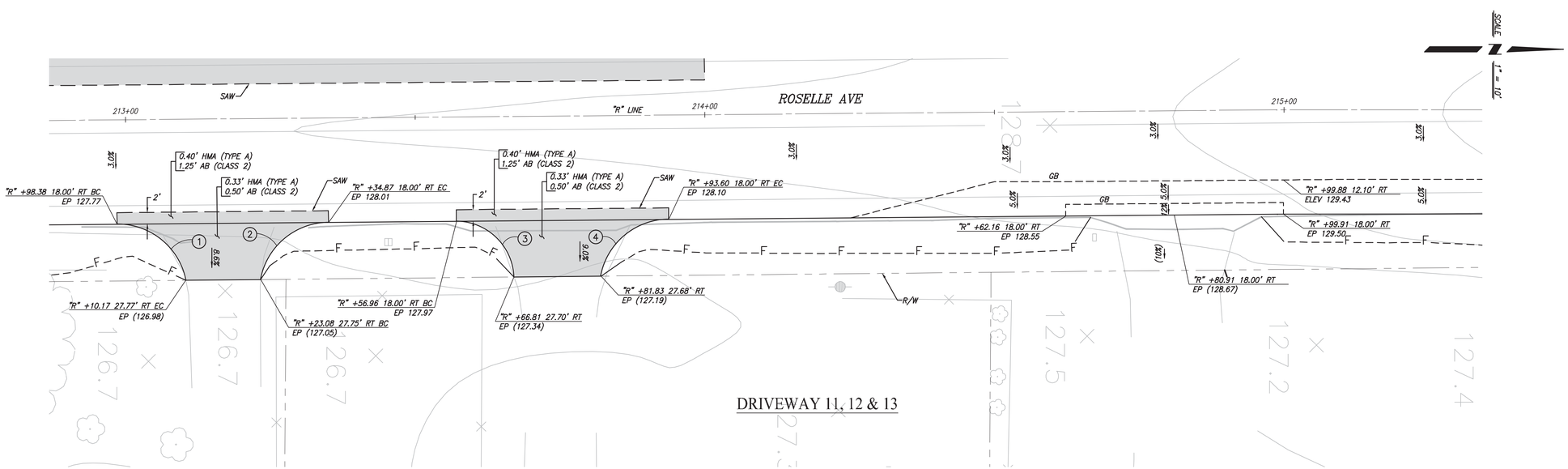
SHEET NUMBER 18
OF 29 SHEETS

PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_C-1 to C-X PLOT DATE: Mar 28, 2018-04:32:30pm CAD USER: jhernandez




DRIVEWAY 14 & HMA MULTI-USE PATH

| | RADIUS | △ | LENGTH | TANGENT |
|---|---|---|---|---|
| 1 | 12.00' | 79°16'59" | 16.60' | 9.94' |
| 2 | 12.00' | 79°12'25" | 16.59' | 9.93' |
| 3 | 10.00' | 87°25'29" | 15.26' | 9.56' |
| 4 | 12.00' | 78°50'59" | 16.51' | 9.87' |




DRIVEWAY 11, 12 & 13

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PANGUINAN
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: _____ DATE: _____

REVISIONS

| NO | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| | | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

CONSTRUCTION DETAILS SHEET 3 (C-3)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

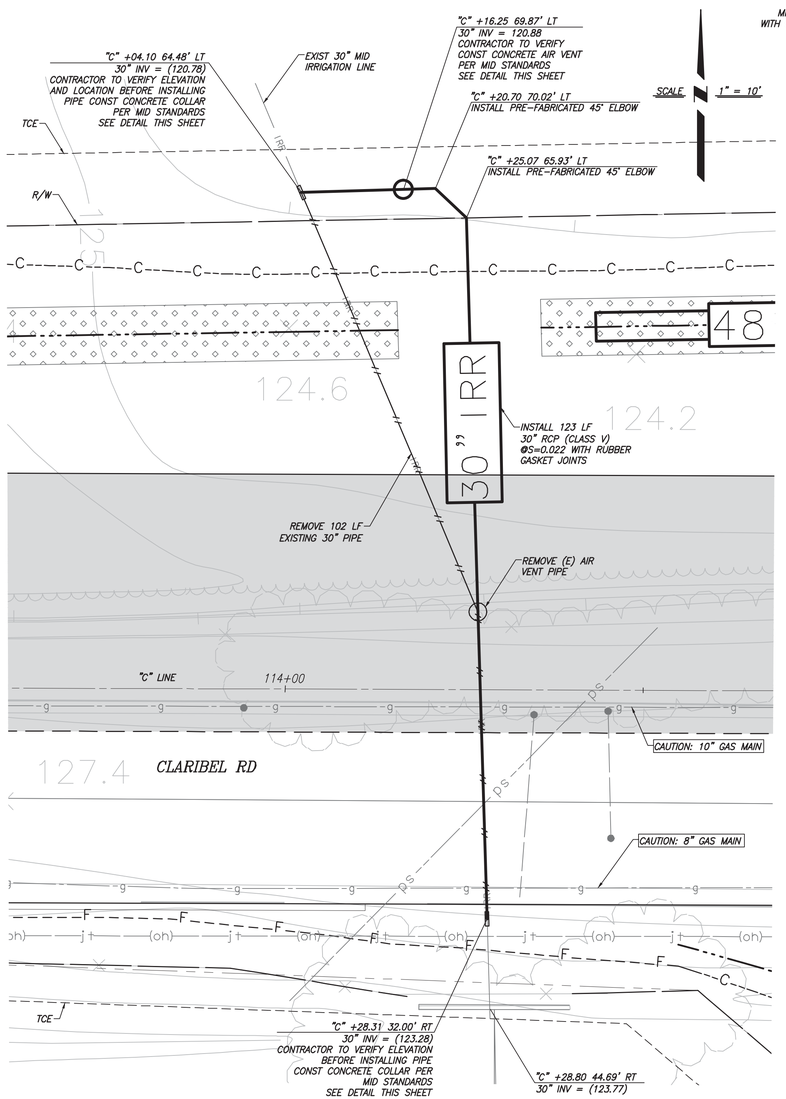
| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER 19 OF 29 SHEETS

PATH: V:\Stanislaus-SA-14\07-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_C-1 to C-X PLOT DATE: Mar 28, 2018-04:32:33pm CAD USER: jhernandez

**NOTES:**

SEE MID STANDARDS G02, G04, AND G11 FOR GENERAL NOTES.

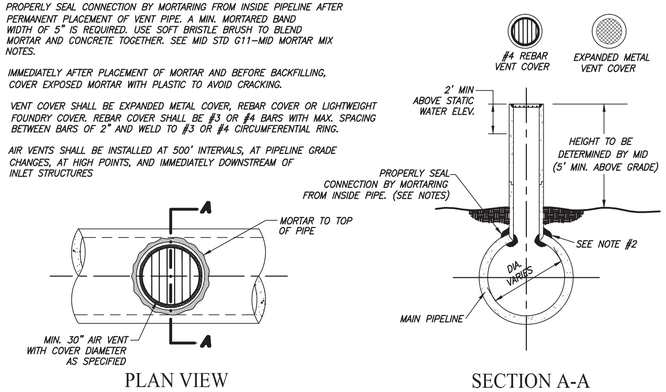



RELOCATE 30" IRRIGATION PIPE DETAIL

1" = 10'

**NOTES:**

1. THOROUGHLY BRUSH ALL DEBRIS AND CLEAN EACH END OF PIPE AROUND THE ENTIRE CIRCUMFERENCE WITH WATER PRIOR TO PLACEMENT OF CONCRETE COLLAR OR MORTAR.
2. PROPERLY SEAL CONNECTION BY MORTARING FROM INSIDE PIPELINE AFTER PERMANENT PLACEMENT OF VENT PIPE. A MIN. MORTARED BAND WIDTH OF 5" IS REQUIRED. USE SOFT BRISTLE BRUSH TO BLEND MORTAR AND CONCRETE TOGETHER. SEE MID STD G11–MID MORTAR MIX NOTES.
3. IMMEDIATELY AFTER PLACEMENT OF MORTAR AND BEFORE BACKFILLING, COVER EXPOSED MORTAR WITH PLASTIC TO AVOID CRACKING.
4. VENT COVER SHALL BE EXPANDED METAL COVER, REBAR COVER OR LIGHTWEIGHT FOUNDRY COVER. REBAR COVER SHALL BE #3 OR #4 BARS WITH MAX. SPACING BETWEEN BARS OF 2" AND WELD TO #3 OR #4 CIRCUMFERENTIAL RING.
5. AIR VENTS SHALL BE INSTALLED AT 500' INTERVALS, AT PIPELINE GRADE CHANGES, AT HIGH POINTS, AND IMMEDIATELY DOWNSTREAM OF INLET STRUCTURES



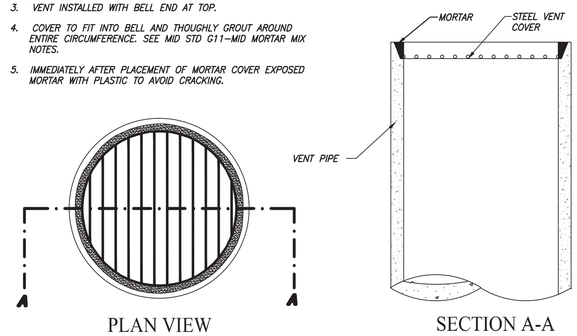

PLAN VIEW SECTION A-A

CONCRETE AIR VENT FOR CONCRETE PIPELINE (MID DETAIL C 40)

NO SCALE

**NOTES:**

1. USE #3 OR #4 ROUND BARS WITH MAX. SPACING BETWEEN BARS OF 2" AND WELD TO #3 OR #4 CIRCUMFERENTIAL RING OR USE LIGHTWEIGHT FOUNDRY CASTING.
2. WELD END OF BARS SECURELY TO #3 OR #4 ROUND BAR RING.
3. VENT INSTALLED WITH BELL END AT TOP.
4. COVER TO FIT INTO BELL AND THOUGHLY GROUT AROUND ENTIRE CIRCUMFERENCE. SEE MID STD G11–MID MORTAR MIX NOTES.
5. IMMEDIATELY AFTER PLACEMENT OF MORTAR COVER EXPOSED MORTAR WITH PLASTIC TO AVOID CRACKING.



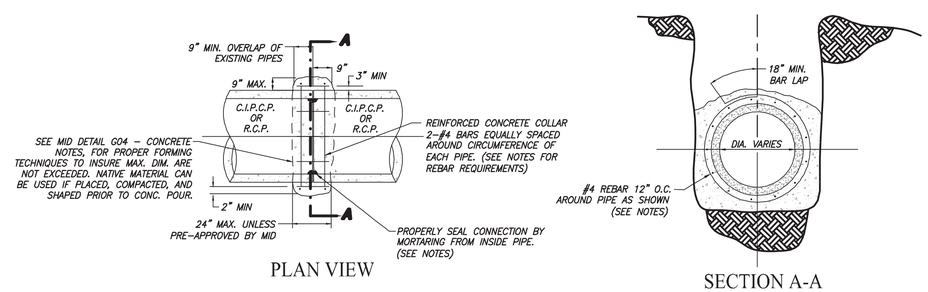

PLAN VIEW SECTION A-A

CONCRETE AIR VENT COVER FOR CONCRETE PIPELINE (MID DETAIL C 45)

NO SCALE

**NOTES:**

1. CONCRETE STRENGTH TO BE 3,000 P.S.I. @ 28 DAYS. NO ADMIXTURES SHALL BE INCORPORATED INTO CONCRETE MIX UNLESS PRE-APPROVED BY MID.
2. THOROUGHLY BRUSH ALL DEBRIS AND CLEAN EACH END OF PIPE AROUND THE ENTIRE CIRCUMFERENCE WITH WATER PRIOR TO PLACEMENT OF CONCRETE OR MORTAR.
3. REINFORCED COLLAR REQUIRED FOR ALL PIPELINES GREATER THAN 18" I.D. OR FOR PIPE CONNECTIONS WITH A CHANGE IN DIAMETER GREATER THAN 5".
4. MIN. #4 BARS FOR ALL COLLAR REINFORCEMENT
5. A MIN. OF TWO CIRCUMFERENCE BARS REQ'D, ONE BAR TO BE PLACED OVER THE END OF EACH PIPE WITH A MIN. 18" BAR LAP. THE BARS MUST HAVE A MIN. OF 3" CLEAR FROM EACH PIPE O.D. AND 2" MIN. OF CONCRETE COVER.
6. HORIZONTAL BARS SHALL BE PLACED AT 12" O.C. EQUALLY SPACED AROUND THE CIRCUMFERENCE OF THE PIPE WITH A MIN. OF SIX (6) HORIZONTAL BARS.
7. PROPERLY SEAL CONNECTION BY MORTARING FROM INSIDE PIPELINE AFTER PERMANENT PLACEMENT OF CONCRETE COLLAR AND PIPE SECTIONS. A MIN. MORTARED BAND WIDTH OF 5" IS REQUIRED. USE SOFT BRISTLE BRUSH TO BLEND MORTAR AND CONCRETE TOGETHER. SEE MID STANDARD G11 – MID MORTAR MIX NOTES




PLAN VIEW SECTION A-A

CONCRETE COLLAR (MID DETAIL C 01)

NO SCALE

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER — JAMES MARSHALL PANTHER — 71445 — Exp. 12/31/19 — CIVIL — STATE OF CALIFORNIA

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STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County — Striving to be the best

CONSTRUCTION DETAILS SHEET 4 (C-4)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE INTERSECTION PROJECT
MODESTO, CALIFORNIA

| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER 20 OF 29 SHEETS

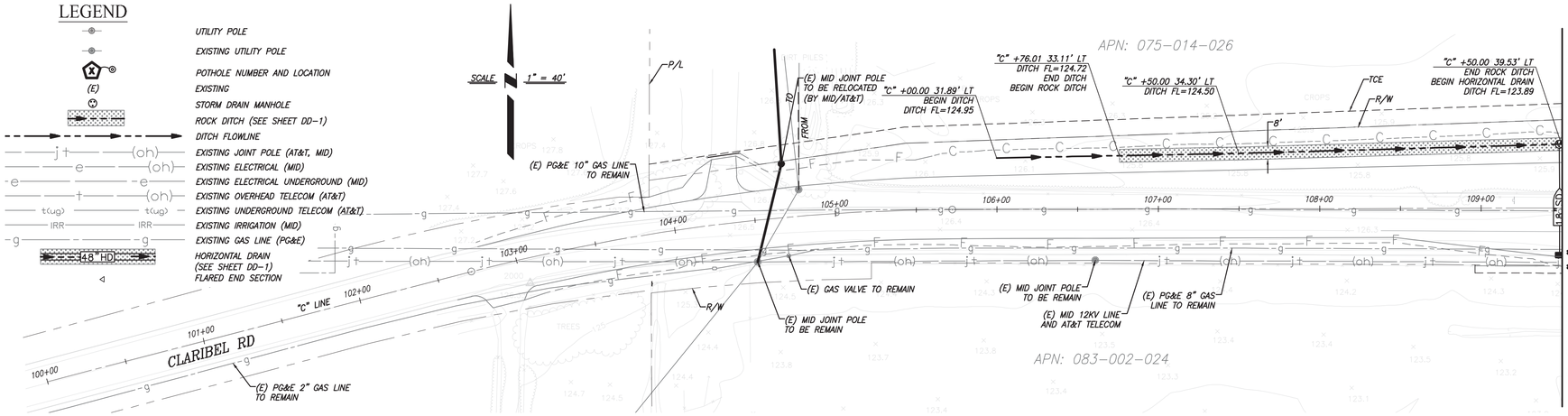
PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_C-4 PLOT DATE: Mar 28, 2018-05:49:07pm CAD USER: jhernandez

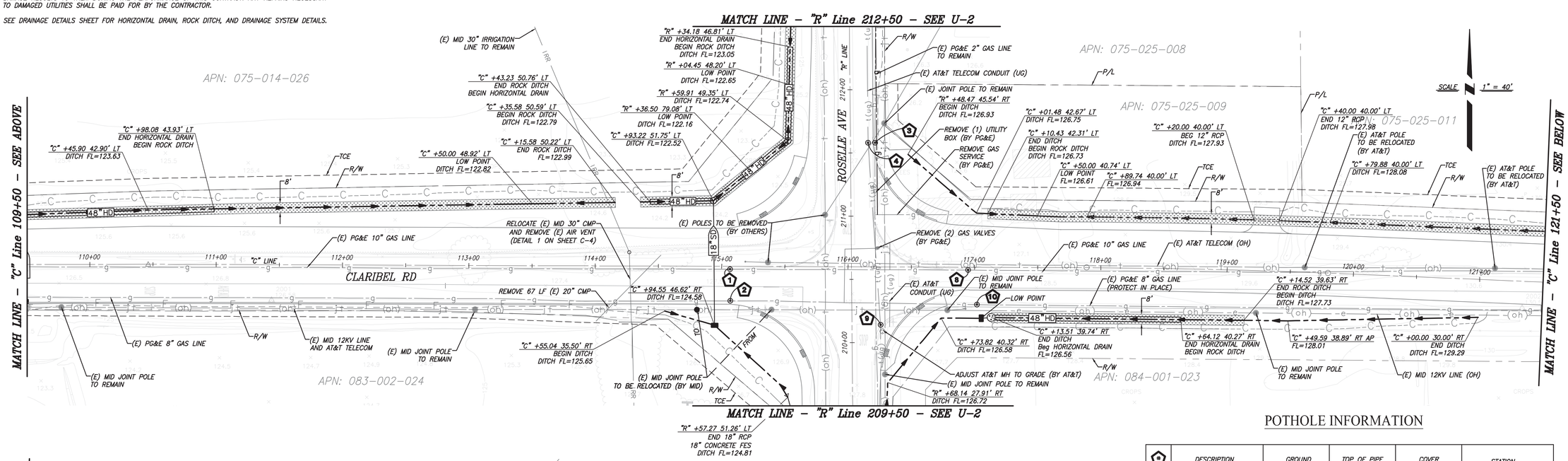
## NOTES

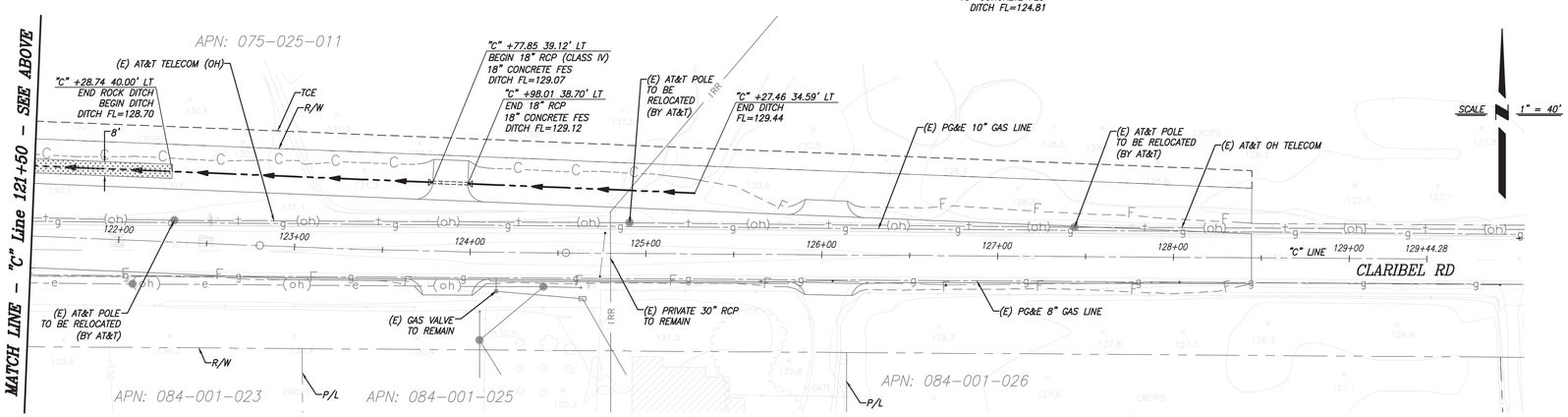
1. ALL INLET LOCATIONS ARE REFERENCED TO CENTER OF INLET AT THE GUTTER FLOW LINE.
2. TOP OF GRATE ELEVATIONS FOR INLETS DO NOT ACCOUNT FOR GUTTER DEPRESSIONS.
3. ALL FACILITIES TO BE ADJUSTED TO GRADE WILL BE ADJUSTED BY THE RESPECTIVE UTILITY COMPANY.
4. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. CONTRACTOR TO VERIFY ALIGNMENT AND DEPTH.
5. ALL VALVE BOXES AND PULL BOXES SHOWN TO BE ADJUSTED TO GRADE ARE COMPENSATED UNDER VARIOUS ITEMS AND ARE SHOWN ON THESE PLANS FOR REFERENCE ONLY.
6. THE ASSEMBLY OF JOINTS OF RCP SHALL BE IN ACCORDANCE WITH PIPE MANUFACTURER RECOMMENDATIONS AND THE REQUIREMENTS OF ASTM C443.
7. SEE ELECTRICAL SHEETS FOR MODIFICATION OF TRAFFIC SIGNAL AND LIGHTING FACILITIES.
8. THE CONTRACTOR IS SOLELY RESPONSIBLE TO PROVIDE ALL LABOR AND EQUIPMENT NECESSARY TO LOCATE EXISTING UNDERGROUND FACILITIES BEYOND THE INFORMATION PROVIDED BY THE U.S.A. MARKINGS AND POTHOLE INFORMATION INCLUDING, BUT NOT LIMITED TO, METAL DETECTORS WIRE LOCATING EQUIPMENT, AND ADDITIONAL POTHOLING.
9. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE IMPROVEMENT PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UTILITIES. THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED BUT ARE NOT SHOWN ON THESE DRAWINGS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE SUBSURFACE CONDITIONS AND ANY OTHER EXISTING UNDERGROUND UTILITIES, WHETHER OR NOT THEY ARE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL CONTACT U.S.A. AND HAVE UTILITIES MARKED AT LEAST 48 HOURS BEFORE BEGINNING WORK. WHERE MARKINGS ARE NEAR PROPOSED UTILITIES, IMPROVEMENTS OR FOUNDATIONS AND WHERE A POTHOLE HAS NOT ALREADY BEEN COMPLETED, THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES BY POTHOLING PRIOR TO EXCAVATING.
11. IT SHALL BE THE CONTRACTOR SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. ANY REPAIRS NECESSARY TO DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR.
12. SEE DRAINAGE DETAILS SHEET FOR HORIZONTAL DRAIN, ROCK DITCH, AND DRAINAGE SYSTEM DETAILS.

## LEGEND

- UTILITY POLE
- EXISTING UTILITY POLE
- POTHOLE NUMBER AND LOCATION
- (E) EXISTING
- STORM DRAIN MANHOLE
- ROCK DITCH (SEE SHEET DD-1)
- DITCH FLOWLINE
- EXISTING JOINT POLE (AT&T, MID)
- EXISTING ELECTRICAL (MID)
- EXISTING ELECTRICAL UNDERGROUND (MID)
- EXISTING OVERHEAD TELECOM (AT&T)
- EXISTING UNDERGROUND TELECOM (AT&T)
- EXISTING IRRIGATION (MID)
- EXISTING GAS LINE (PG&E)
- 48" HD — HORIZONTAL DRAIN (SEE SHEET DD-1) FLARED END SECTION




## POTHOLE INFORMATION

| | DESCRIPTION | GROUND ELEVATION | TOP OF PIPE ELEVATION | COVER | STATION |
|---|---|---|---|---|---|
| 1 | PG&E NATURAL GAS (10") | 127.08 | 121.58 | 66" | "C" 115+06.65 2.30' RT |
| 2 | PG&E NATURAL GAS (8") | 127.33 | 123.58 | 45" | "C" 115+7.09 27.24' RT |
| 3 | PG&E NATURAL GAS (2") | 127.09 | 123.92 | 38" | "R" 211+57.84 19.59' RT |
| 4 | AT&T TELECOM (4-2") | 127.40 | 123.07 | 52" | "R" 211+57.80 13.99' RT |
| 5 | AT&T TELECOM (4") | 128.13 | 126.05 | 25" | "R" 203+44.98 47.27' LT |
| 6 | AT&T TELECOM (3-2") | 128.13 | 125.71 | 29" | "R" 203+44.98 47.27' LT |
| 8 | MID ELECTRICAL (4") | 127.15 | 123.73 | 41" | "R" 205+55.45 42.52' LT |
| 7 | PG&E NATURAL GAS (2") | 128.27 | 125.35 | 35" | "R" 205+53.95 42.52' LT |
| 8 | PG&E NATURAL GAS (10") | 127.64 | 122.56 | 61" | "C" 116+95.14 2.24' RT |
| 9 | AT&T TELECOM (4-2") | 127.49 | 119.66 | 94" | "R" 210+13.80 22.87' RT |
| 10 | PG&E NATURAL GAS (8") | 127.71 | 124.29 | 41" | "C" 117+02.21 29.56' RT |

## UTILITY CONTACT DATA

| AGENCY | CONTACT | ADDRESS | PHONE |
|---|---|---|---|
| MID ELECTRIC | DESI MORENO | 1231 11th STREET, MODESTO, CA 95354 | 209-526-7405 |
| AT&T | SHARON DINNELL | 1116 M STREET MODESTO, CA 95354 | 209-549-5847 |
| PG&E | DAVID LOOMIS | 1524 N. CARPENTER ROAD, MODESTO CA 95351 | 209-942-1436 |
| MID IRRIGATION | SEYLIN SAVY | 1231 11th STREET, MODESTO, CA 95354 | 209-557-1351 |

811 CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER — JAMES MARSHALL PAULSEN — 71445 — Exp. 12/31/19 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

| NO | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| | REVISIONS | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County — Striving to be the best

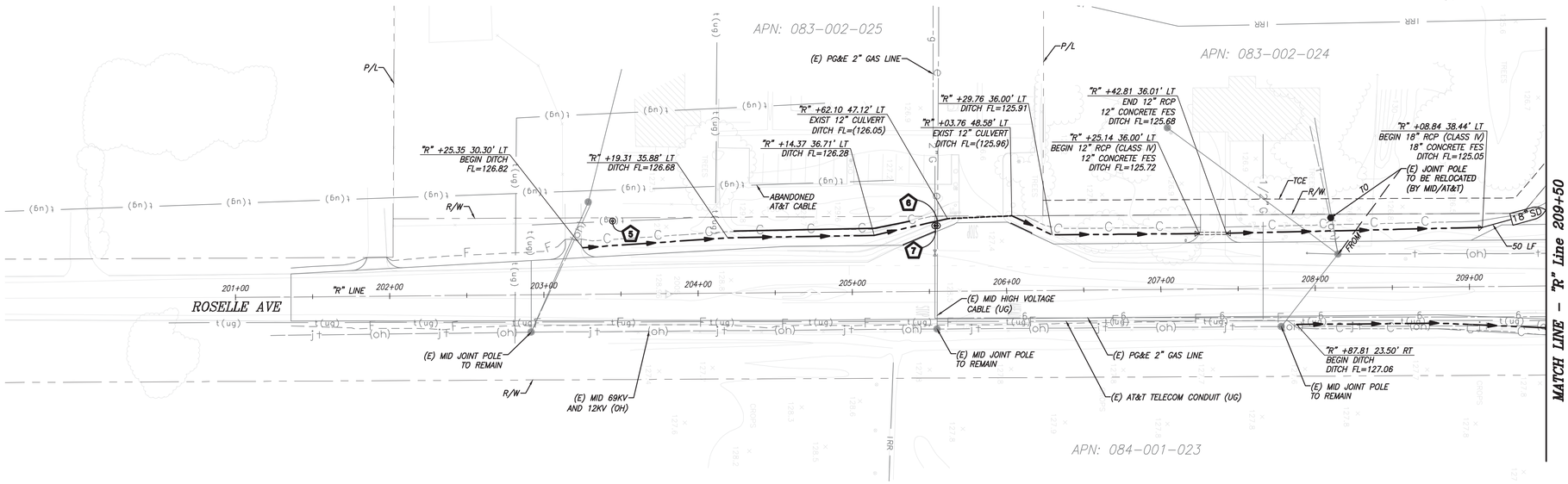
UTILITY AND DRAINAGE PLAN
SHEET 1 (U-1)

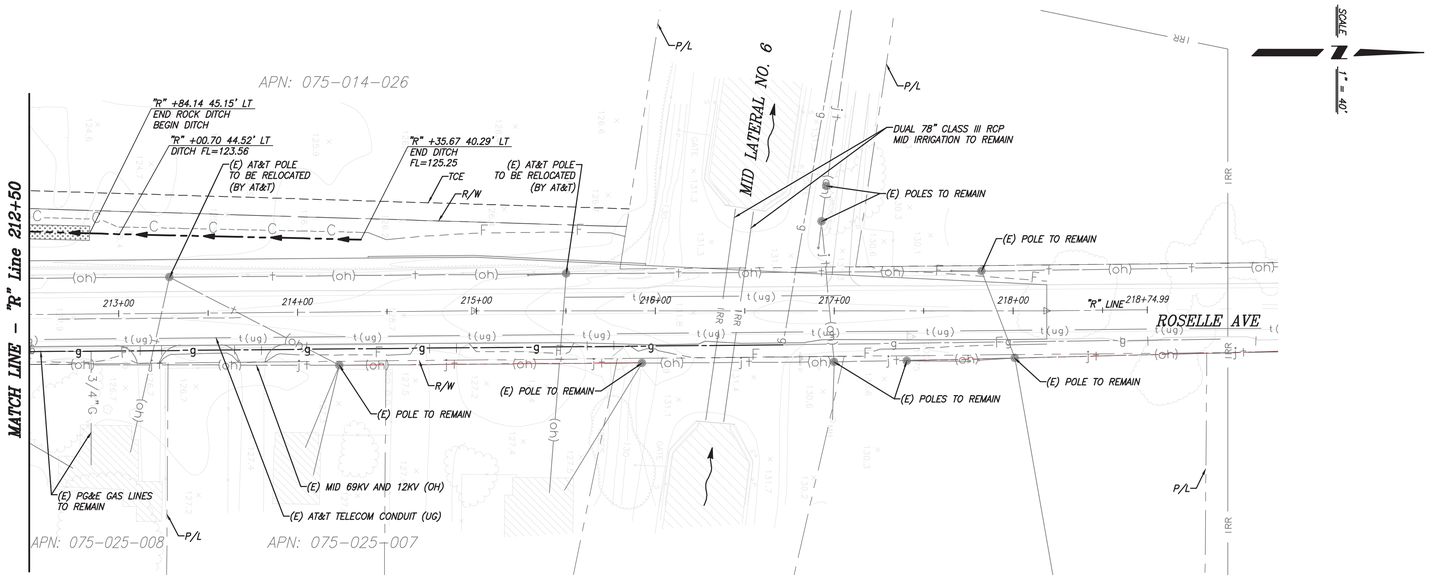
IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER 21 OF 29 SHEETS

PATH: C:\Users\jhernandez\appdata\local\temp\AcPublish_5644\ FILE NAME: CR_U-1 to U-2 PLOT DATE: Mar 28, 2018-05:15:42pm CAD USER: jhernandez




CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARTRIDGE
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

| NO | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| | REVISIONS | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
Striving to be the best

UTILITY AND DRAINAGE PLAN
SHEET 2 (U-2)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

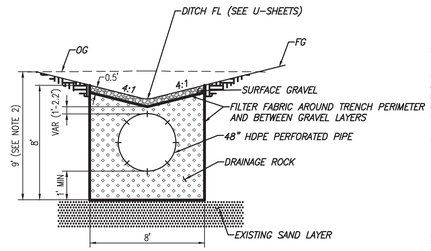
| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER
22
OF 29 SHEETS

PATH: C:\Users\jhernandez\appdata\local\temp\AcPublish_56444\ FILE NAME: CR_U-1 to U-2 PLOT DATE: Mar 28, 2018-05:15:45pm CAD USER: jhernandez

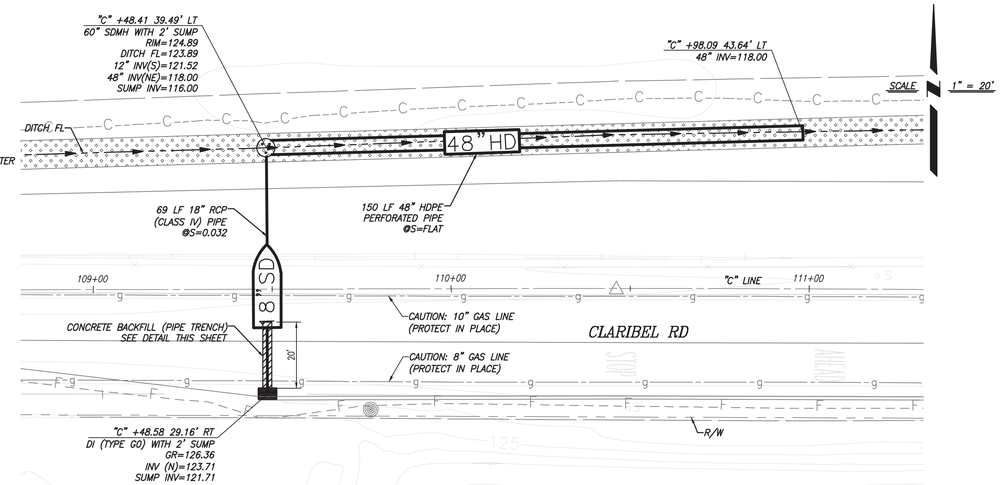
## NOTES

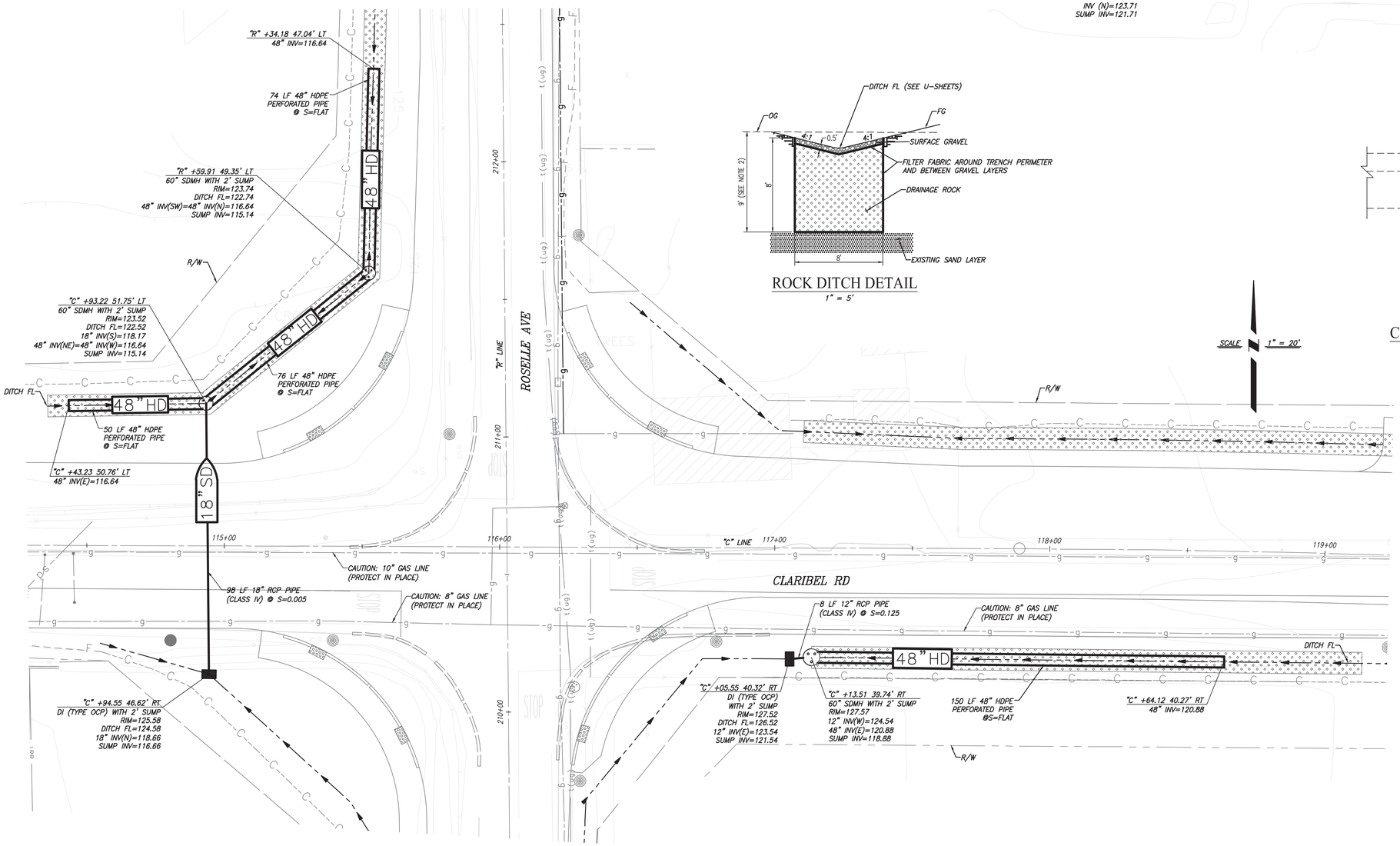
1. ALL INLET LOCATIONS ARE REFERENCED TO CENTER OF INLET AT THE FLOW LINE.
2. CONTRACTOR TO VERIFY THE BOTTOM OF THE TRENCH REACHES A SAND LAYER AT ROCK DITCH AND HORIZONTAL DRAIN LOCATIONS.
3. STORM DRAIN CROSSINGS HAVE 1' CLEARANCE (MIN) FROM PG&E 8" AND 10" TRANSMISSION GAS LINES.




HORIZONTAL DRAIN DETAIL

1" = 5'



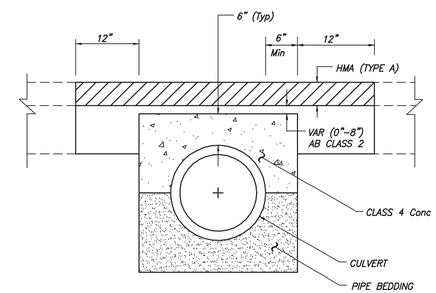







ROCK DITCH DETAIL

1" = 5'




CONCRETE BACKFILL (PIPE TRENCH)

NO SCALE

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PAVELKA
71435
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

DATE:

| NO | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| | REVISIONS | | |

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

DRAINAGE DETAILS SHEET 1 (DD-1)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE INTERSECTION PROJECT
MODESTO, CALIFORNIA

| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER 23 OF 29 SHEETS

PATH: V:\Stanislaus-SA-14\07-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_DD-1 to DD-X PLOT DATE: Mar 28, 2018-05:53:49pm CAD USER: jhernandez

## LEGEND

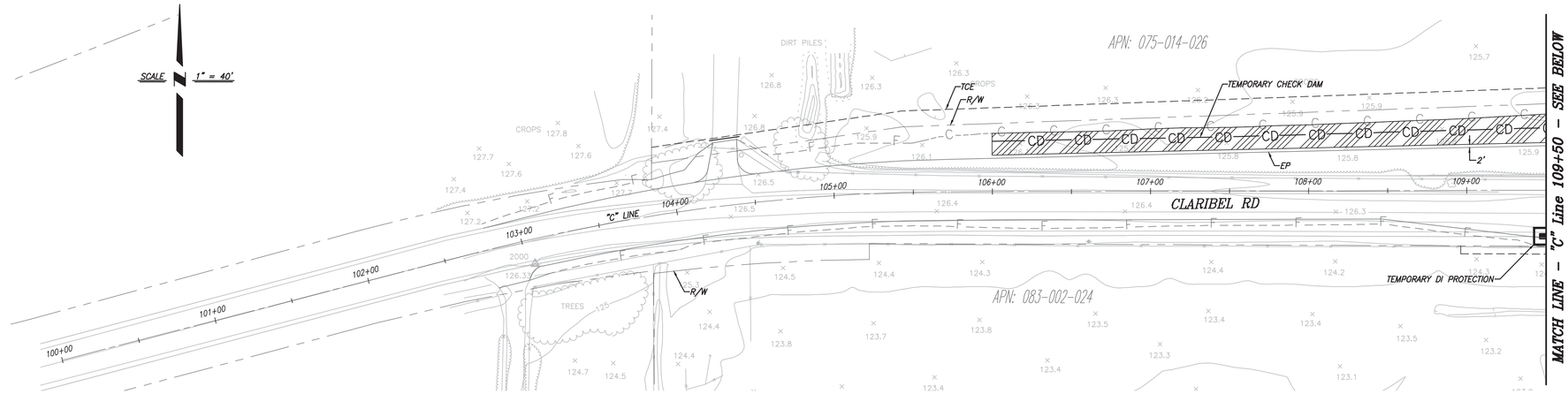
—CD—CD— TEMPORARY CHECK DAM (SEE CALTRANS STANDARD PLANS T57)

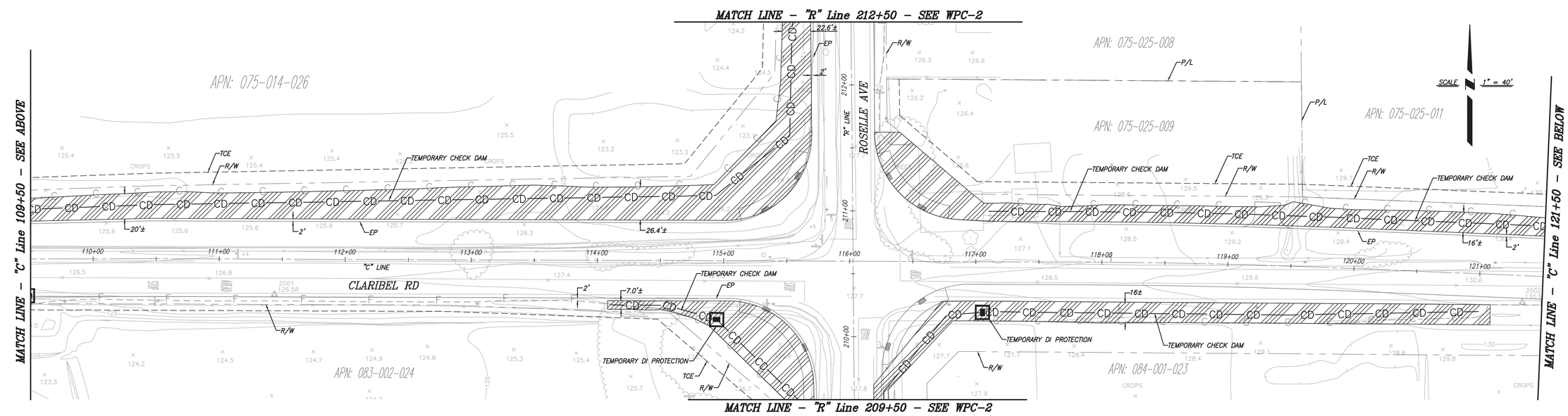
TEMPORARY DRAINAGE INLET PROTECTION (SEE CALTRANS STANDARD PLANS T61 TO T62)

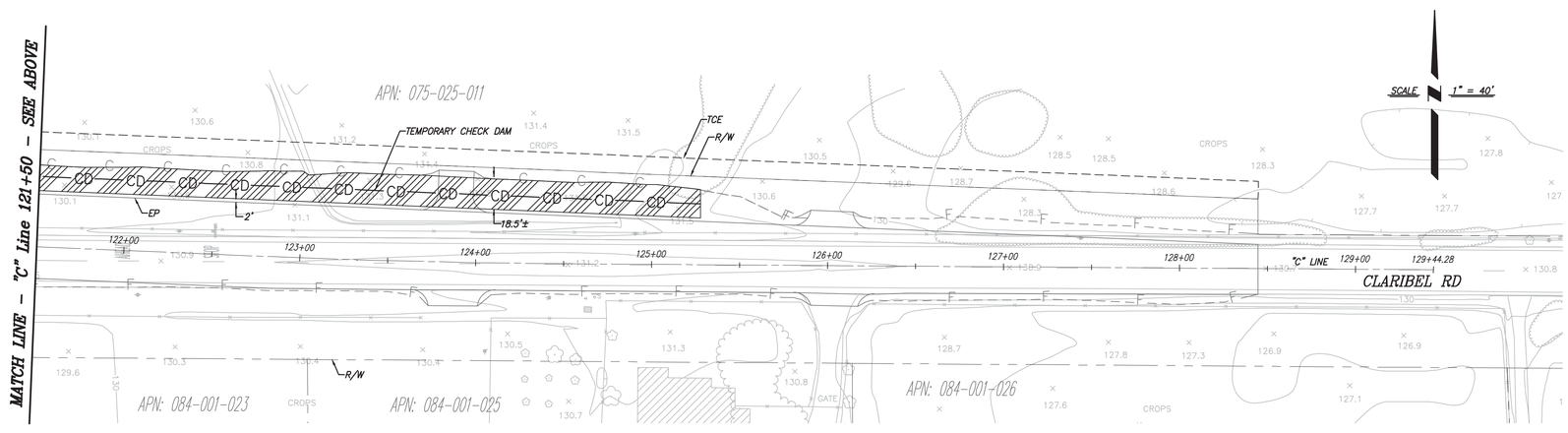
TEMPORARY EROSION CONTROL BLANKET (SEE CALTRANS STANDARD PLANS T55)

## NOTES

1. THE INFORMATION ON THIS PLAN IS INTENDED TO BE USED ONLY AS A GUIDELINE FOR THE CONTRACTOR AND SUBCONTRACTORS TO INSTALL TEMPORARY WATER POLLUTION CONTROL DEVICES AT GENERAL LOCATIONS THROUGHOUT THE SITE. CONTRACTOR SHALL FOLLOW STANDARD PLAN GUIDELINES FOR THIS PURPOSE.
2. DIMENSIONS MAY VARY TO FIT FIELD CONDITIONS.
3. PLACE SAFETY CONES ADJACENT TO DRAINAGE INLET PROTECTION.




CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PANTHER
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

| NO | DESCRIPTIONS | DATE | APPROVED |
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| | REVISIONS | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County — Striving to be the best

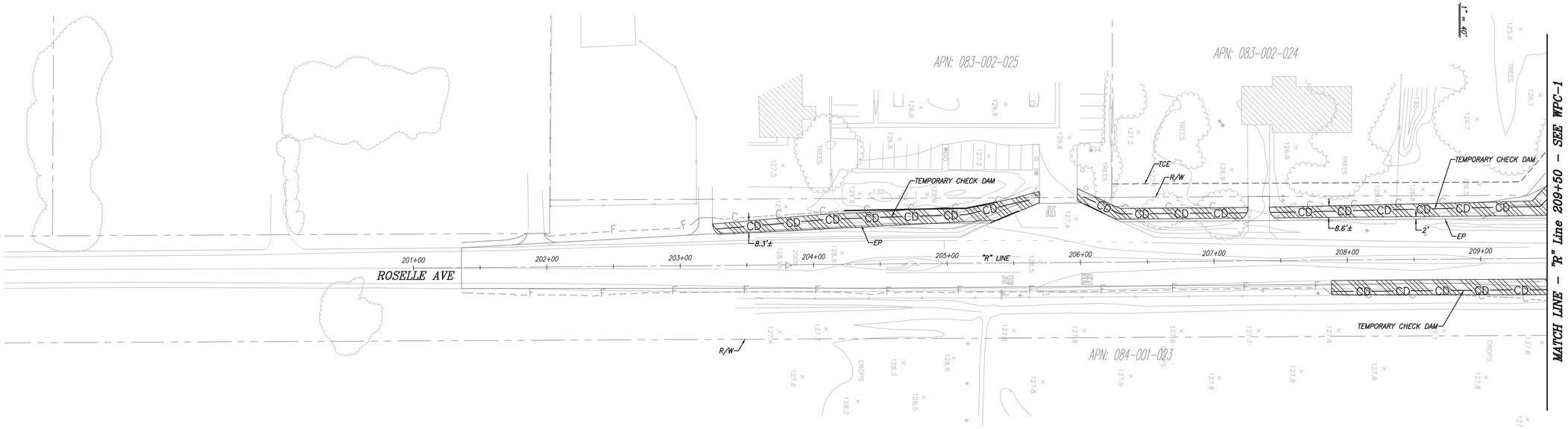
WATER POLLUTION CONTROL SHEET 1
(WPC-1)

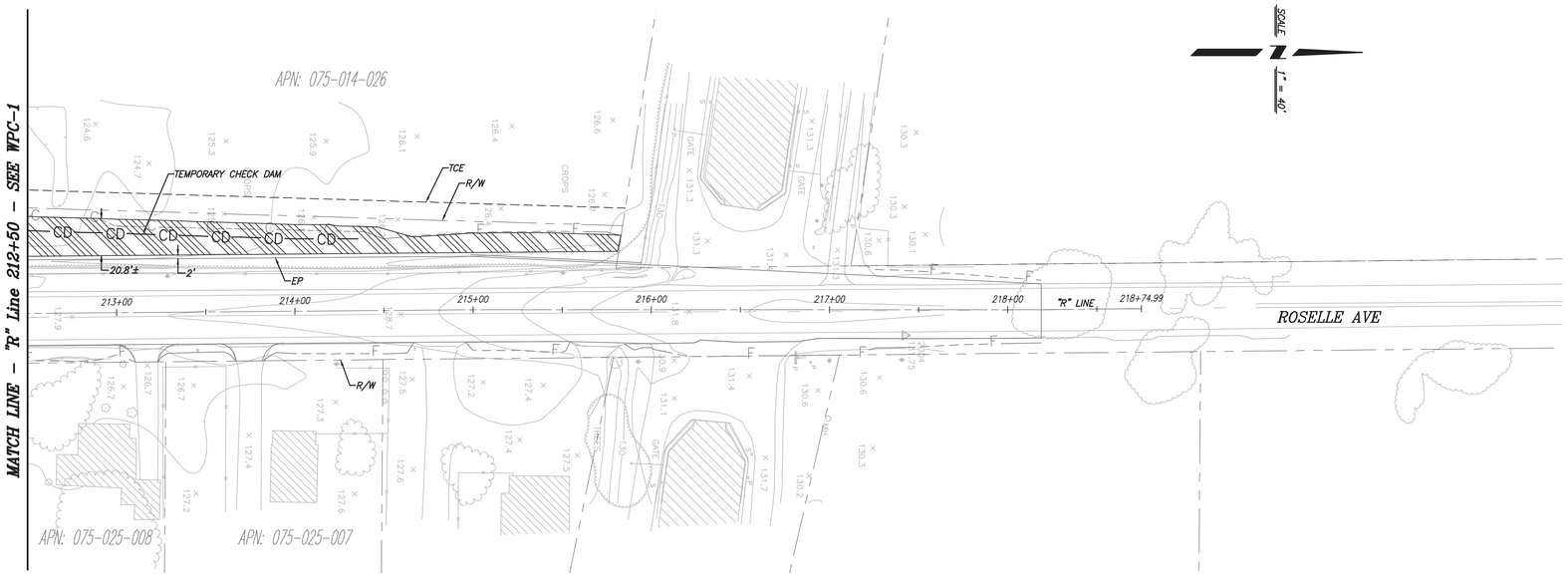
IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER 24 OF 29 SHEETS

PATH: V:\Stanislaus-SA-14-107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_WPC-1 to WPC-2 PLOT DATE: Mar 28, 2018-04:41:42pm CAD USER: jhernandez




PATH: V:\Stanislaus-SA-14107-Claribel-Roselle Intersection\CADD\Sheets\ FILE NAME: CR_WPC-1 to WPC-2 PLOT DATE: Mar 28, 2018-04:41:44pm CAD USER: jhernandez

REGISTERED PROFESSIONAL ENGINEER JAMES MARSHALL PARKER 71445 Exp. 12/31/19 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

| REVISIONS | | | |
|---|---|---|---|
| NO | DESCRIPTIONS | DATE | APPROVED |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County Striving to be the best

WATER POLLUTION CONTROL SHEET 2
(WPC-2)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

811 CALL BEFORE YOU DIG

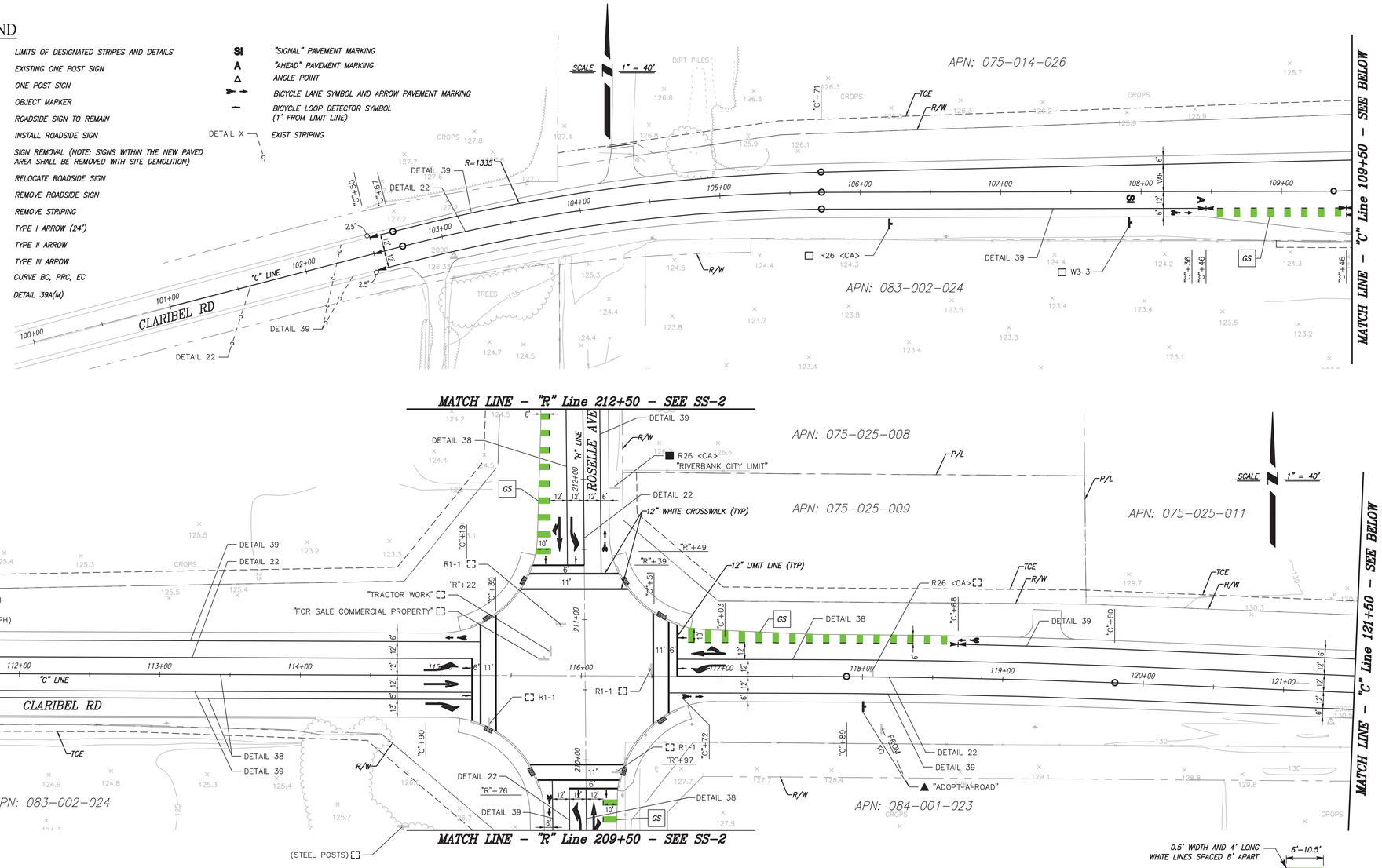
SHEET NUMBER 25 OF 29 SHEETS

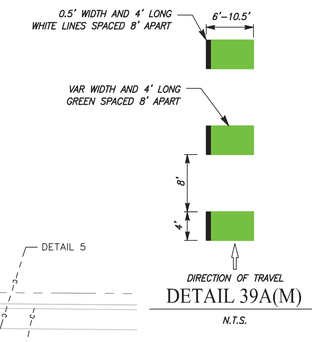
## NOTES

1. EXACT POSITION AND LOCATION OF ALL ROADSIDE SIGNS SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
2. REMOVAL OF EXISTING STRIPING AND PAVEMENT MARKING SHALL BE ACCOMPLISHED BY GRINDING OR OTHER APPROVED METHOD.
3. ALL TRAFFIC STRIPING & PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED.
4. EXISTING SIGNS NOT SHOWN ON THESE PLANS THAT CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED OR RELOCATED AS DIRECTED BY THE RESIDENT ENGINEER.
5. CONTRACTOR SHALL VERIFY WITH RESIDENT ENGINEER THE EXACT STREET NAME AND STREET ADDRESS FOR PLACEMENT OF STREET NAME SIGNS PRIOR TO ORDERING SIGNS.
6. THIS PLAN IS ACCURATE FOR SIGNING AND STRIPING WORK ONLY.
7. SEE ELECTRICAL SHEETS FOR TRAFFIC SIGNAL SIGNAGE MODIFICATIONS.
8. ALL SIGNS WITHIN PROJECT LIMITS SHALL MEET CURRENT CA MUTCD REQUIREMENTS. EXISTING SIGNS TO REMAIN THAT DO NOT MEET CURRENT STANDARDS SHALL BE REPLACED WITH A NEW CURRENT SIGN AT THE DIRECTION OF THE ENGINEER.
9. REMOVE ALL CONSTRUCTION AREA SIGNS, TEMPORARY STRIPING AND TRAFFIC CONTROL DEVICES FROM STAGE CONSTRUCTION AFTER ALL ROADWAY CONSTRUCTION IS COMPLETED.

## LEGEND

- LIMITS OF DESIGNATED STRIPES AND DETAILS
- EXISTING ONE POST SIGN
- ONE POST SIGN
- OBJECT MARKER
- ROADSIDE SIGN TO REMAIN
- INSTALL ROADSIDE SIGN
- SIGN REMOVAL (NOTE: SIGNS WITHIN THE NEW PAVED AREA SHALL BE REMOVED WITH SITE DEMOLITION)
- RELOCATE ROADSIDE SIGN
- REMOVE ROADSIDE SIGN
- REMOVE STRIPING
- TYPE I ARROW (24')
- TYPE II ARROW
- TYPE III ARROW
- CURVE BC, PRC, EC
- GS — DETAIL 39A(M)
- SI — "SIGNAL" PAVEMENT MARKING
- A — "AHEAD" PAVEMENT MARKING
- ANGLE POINT
- BICYCLE LANE SYMBOL AND ARROW PAVEMENT MARKING
- BICYCLE LOOP DETECTOR SYMBOL (1' FROM LIMIT LINE)
- DETAIL X — EXIST STRIPING




DETAIL 39A(M)

N.T.S.

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER — JAMES MARSHALL PANTUSO — 71435 — Exp. 12/31/19 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: _____ DATE: _____

| NO | DESCRIPTIONS | DATE | APPROVED |
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| | REVISIONS | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County — Striving to be the best

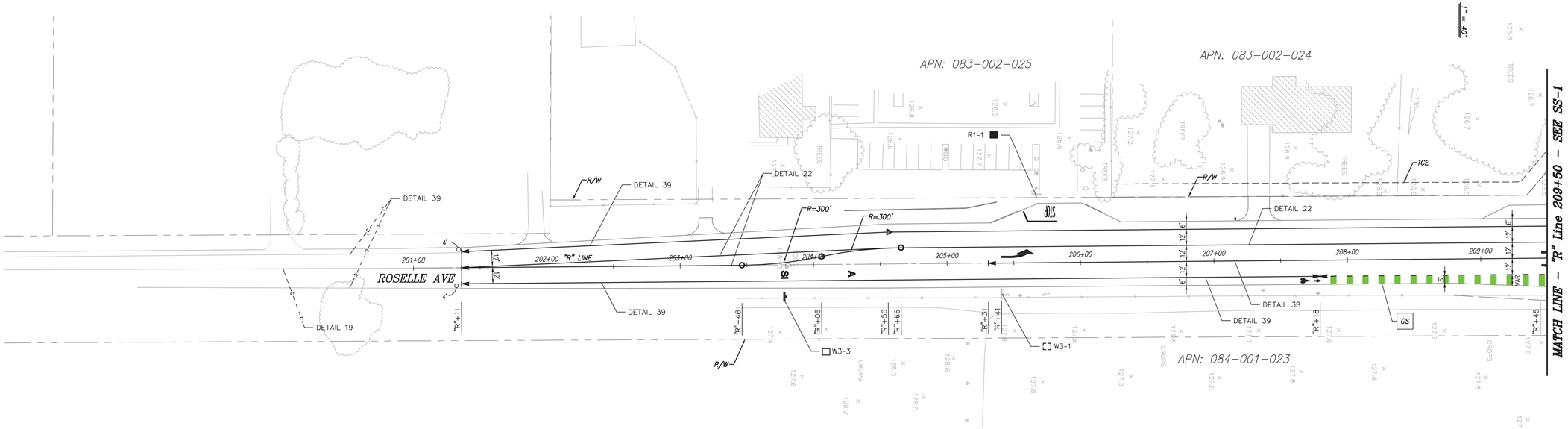
SIGNING AND STRIPING SHEET 1 (SS-1)

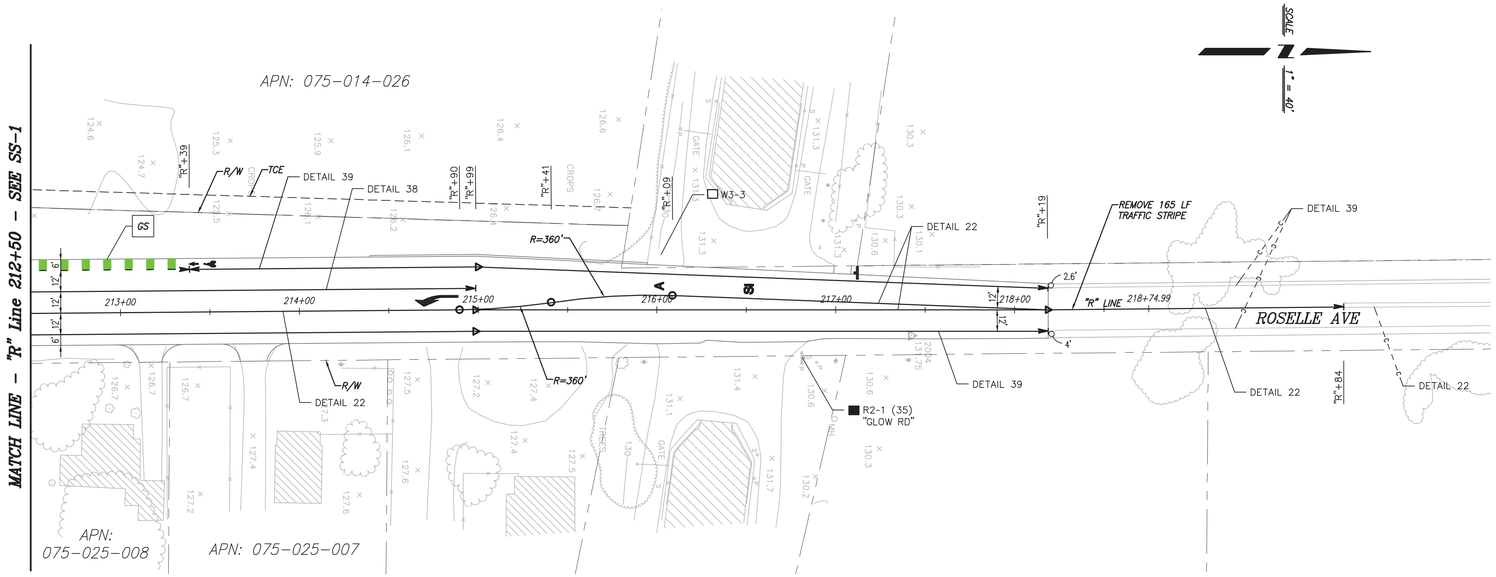
IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE INTERSECTION PROJECT
MODESTO, CALIFORNIA

| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

SHEET NUMBER 26 OF 29 SHEETS

PATH: C:\Users\jhernandez\appdata\local\temp\AcPublish_5644\ FILE NAME: CR_SS-1 to SS-2 PLOT DATE: Mar 28, 2018-06:03:19pm CAD USER: jhernandez




PATH: C:\Users\jhernandez\appdata\local\temp\AcPublish_5644\
FILE NAME: CR_SS-1 to SS-2
PLOT DATE: Mar 28, 2018-06:03:21pm
CAD USER: jhernandez

REGISTERED PROFESSIONAL ENGINEER
JAMES MARSHALL PARKER
71445
Exp. 12/31/19
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
DATE:

| NO | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| | REVISIONS | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

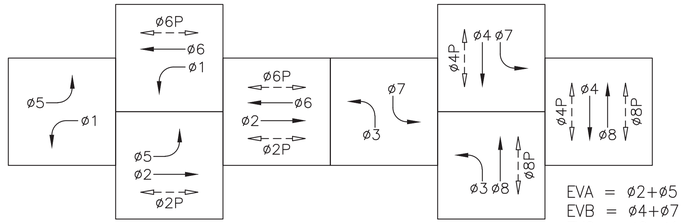
SIGNING AND STRIPING SHEET 2 (SS-2)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE
INTERSECTION PROJECT
MODESTO, CALIFORNIA

| | |
|---|---|
| JOB NO | CR9606 |
| DATE | 3/16/2018 |
| DR BY | JE |
| CK BY | JW/JP |
| SURVEY | |
| CONST. | |
| SCALE | AS SHOWN |

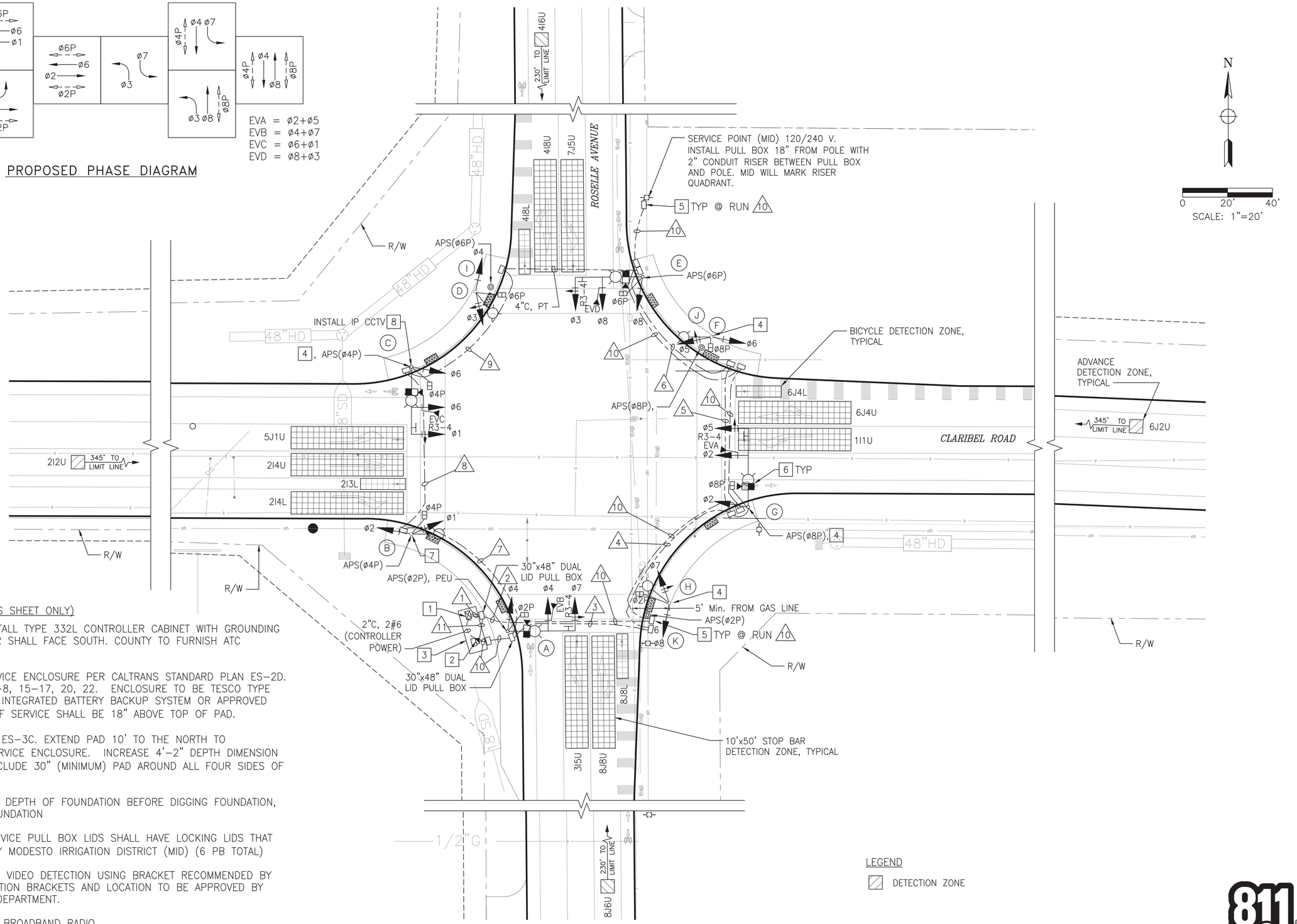
CALL BEFORE YOU DIG

SHEET NUMBER
27
OF 29 SHEETS




EVA = ø2+ø5
EVB = ø4+ø7
EVC = ø6+ø1
EVD = ø8+ø3

PROPOSED PHASE DIAGRAM




PROJECT NOTES: (THIS SHEET ONLY)

1. FURNISH AND INSTALL TYPE 332L CONTROLLER CABINET WITH GROUNDING ROD. FRONT DOOR SHALL FACE SOUTH. COUNTY TO FURNISH ATC CONTROLLER.
2. INSTALL NEW SERVICE ENCLOSURE PER CALTRANS STANDARD PLAN ES-2D. PROVIDE ITEMS 1-8, 15-17, 20, 22. ENCLOSURE TO BE TESCO TYPE 27-22 BBS WITH INTEGRATED BATTERY BACKUP SYSTEM OR APPROVED EQUAL. BOTTOM OF SERVICE SHALL BE 18" ABOVE TOP OF PAD.
3. INSTALL PAD PER ES-3C. EXTEND PAD 10' TO THE NORTH TO ACCOMMODATE SERVICE ENCLOSURE. INCREASE 4'-2" DEPTH DIMENSION TO 7'-2" AND INCLUDE 30" (MINIMUM) PAD AROUND ALL FOUR SIDES OF EACH CABINET.
4. POTHOLE TO FULL DEPTH OF FOUNDATION BEFORE DIGGING FOUNDATION, OR HAND-DIG FOUNDATION
5. ALL ELECTRIC SERVICE PULL BOX LIDS SHALL HAVE LOCKING LIDS THAT ARE APPROVED BY MODESTO IRRIGATION DISTRICT (MID) (6 PB TOTAL)
6. INSTALL ADVANCED VIDEO DETECTION USING BRACKET RECOMMENDED BY VENDOR. INSTALLATION BRACKETS AND LOCATION TO BE APPROVED BY COUNTY TRAFFIC DEPARTMENT.
7. INSTALL WIRELESS BROADBAND RADIO
8. INSTALL NETWORK HD PTZ CAMERA.

LEGEND

DETECTION ZONE

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER STEVEN FITZSIMONS C036435 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE: 5/14/2018

| NO | DESCRIPTIONS | DATE | APPROVED |
|---|---|---|---|
| | REVISIONS | | |

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

TRAFFIC SIGNAL PLAN (TS-1)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE INTERSECTION PROJECT
MODESTO, CALIFORNIA

| | |
|---|---|
| JOB NO | SA-14107 |
| DATE | 5/14/2018 |
| DR BY | WJP & ACJ |
| CK BY | SF |
| SURVEY | |
| CONST. | |
| SCALE | |

SHEET NUMBER 28 OF 29 SHEETS

CAD USER: ajaromin
PLOT DATE: May 22, 2018-10:26:02am
FILE NAME: SSX003-F
PATH: C:\Users\ajaromin\appdata\local\temp\AcPublish_6628\

| CABLE TYPE | POLE | PHASES | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VEH/PED/ 5CSC | A | 4,7,2P / 2P | 3/1 | 3/1 | 3/1 | 3/1 | 3/1 | | | | | | |
| | B | 1,2,4P / 4P | 3/1 | 3/1 | | | | | 3/1 | | | | |
| | C | 1,6,4P / 4P | 3/1 | 3/1 | | | | | 3/1 | 3/1 | | | |
| | D | 3,4,6P | 3/0 | 3/0 | | | | | 3/0 | 3/0 | 3/0 | | |
| | E | 3,8,6P / 6P | 3/1 | 3/1 | 3/1 | 3/1 | 3/1 | 3/1 | | | | | |
| | F | 5,6,8P | 3/0 | 3/0 | 3/0 | 3/0 | 3/0 | | | | | | |
| | G | 2,5,8P / 8P | 3/1 | 3/1 | 3/1 | 3/1 | | | | | | | |
| | H | 7,8,8P | 3/0 | 3/0 | 3/0 | | | | | | | | |
| | I | / 6P | 0/1 | 0/1 | | | | | 0/1 | 0/1 | 0/1 | | |
| | J | / 8P | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | | | | | | |
| APS 3CSC | K | / 2P | 0/1 | 0/1 | 0/1 | | | | | | | | |
| | | TOTAL | 24/8 | 24/8 | 15/5 | 12/4 | 9/3 | 3/1 | 9/3 | 6/2 | 3/1 | | |
| #2 | | 120V/240V SERVICE | | | | | | | | | | 3 | |
| #8 | | LIGHTING | | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 4 |
| #14 | | PEU | | 3 | | | | | | | | | 3 |
| E.V. CABLE | | | 4 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | | | |
| VIDEO/RADAR CABLE | | | 4 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | | | |
| CAT5E (TYP) | | | 2 | 2 | | | | | 2 | 1 | | | |
| MINIMUM CONDUIT SIZE | | | 2-3" | 2-3" | 2-4" | 2-3" | 4" | 3" | 4" | 3" | 2" | 3" | 2" |
| APPROX. % FILL PER CONDUIT | | | 17 | 18 | 16 | 23 | 20 | 14 | 20 | 24 | 25 | 6 | 9 |

# POLE AND EQUIPMENT SCHEDULE

| No. | STANDARD | | | | VEHICLE SIGNAL | | | | PED SIGNAL | | APS | | LED LUMINAIRE | SPECIAL REQUIREMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TYPE | SMA | F-DIST | LMA | MAST ARM MTG | MAST ARM ø | POLE MTG | POLE ø | ø | MTG | ø | ARROW | | |
| A | 19-4-100 | 30' | 12' | 12' | MAS MAS | 4 7 | SV-1-T | 4 | 2P | SP-1-T | 2P | <-- | ROADWAY 1 | PEU, G7 "CLARIBEL RD" |
| B | 15 TS | | | 6' | | | SV-2-T | 1 2 | 4P | SP-1-T | 4P | --> | ROADWAY 1 | DIMENSION A = 28'-0" |
| C | 19-4-100 | 30' | 12' | 15' | MAS MAS | 1 6 | SV-1-T | 6 | 4P | SP-1-T | 4P | <-- | ROADWAY 1 | G7 "ROSELLE AVE" |
| D | 15 TS | | | 12' | | | SV-2-T | 3 4 | 6P | SP-1-T | | | ROADWAY 1 | |
| E | 19-4-100 | 30' | 12' | 12' | MAS MAS | 3 8 | SV-1-T | 8 | 6P | SP-1-T | 6P | <-- | ROADWAY 1 | DIMENSION A = 25'-0", G7 "CLARIBEL RD" |
| F | 15 TS | | | 12' | | | SV-2-T | 5 6 | 8P | SP-1-T | | | ROADWAY 1 | |
| G | 24-4-100 | 35' | 14' | 12' | MAS MAS | 2 5 | SV-1-T | 2 | 8P | SP-1-T | 8P | <-- | ROADWAY 1 | DIMENSION A = 28'-0", G7 "ROSELLE AVE" |
| H | 15TS | | | 12 | | | SV-2-T | 7 8 | 2P | SP-1-T | | | ROADWAY 1 | DIMENSION A = 25'-0" |
| I | PPB POST | | | | | | | | | | 6P | --> | | |
| J | PPB POST | | | | | | | | | | 8P | <-- | | |
| K | PPB POST | | | | | | | | | | 2P | --> | | |

NOTES:
1. LEOTEK GC LED FIXTURES SHALL BE CREE BXSBP 3MEB40, 100 WATT, OR APPROVED EQUAL.
2. WHERE "DIMENSION A" IS NOTED IN THE SPECIAL REQUIREMENT COLUMN, POLE SHAFT SHALL BE FABRICATED SHORTER THAN THE TYPICAL 30'-0"

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER STEVEN FITZSIMONS C036435 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE: 5/14/2018

| NO | DESCRIPTIONS | REVISIONS | DATE | APPROVED |
|---|---|---|---|---|

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County Striving to be the best

TRAFFIC SIGNAL SCHEDULE (TS-2)

IMPROVEMENT PLANS FOR:
CLARIBEL ROAD AND ROSELLE AVENUE INTERSECTION PROJECT
MODESTO, CALIFORNIA

JOB NO SA-14107
DATE 5/14/2018
DR BY WJP & ACJ
CK BY SF
SURVEY
CONST.
SCALE

SHEET NUMBER 29 OF 29 SHEETS

PATH: C:\Users\ajaromin\appdata\local\Temp\AcPublish_6628\ FILE NAME: SSX003-F PLOT DATE: May 22, 2018-10:26:03am CAD USER: ajaromin