| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 1 | 486 |

County ROW

Caltrans ROW
County
Many parcels

STATE OF CALIFORNIA
# DEPARTMENT OF TRANSPORTATION

## PROJECT PLANS FOR CONSTRUCTION ON
# STATE HIGHWAY
## IN SAN JOAQUIN COUNTY IN STOCKTON
## AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

INDEX OF PLANS


| SHEET No. | DESCRIPTION |
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| 1 | TITLE AND LOCATION MAP |
| 2-9 | TYPICAL CROSS SECTIONS |
| 10 | KEY MAP AND LINE INDEX |
| 11 | PROJECT CONTROL |
| 12-20 | LAYOUTS |
| 21-24 | PROFILES |
| 25-34 | PROFILES AND SUPERELEVATION DIAGRAMS |
| 35-53 | CONSTRUCTION DETAILS |
| 54-61 | TEMPORARY WATER POLLUTION CONTROL PLANS |
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| 72-76 | CONTOUR GRADING PLAN AND SECTIONS |
| 77-119 | DRAINAGE PLANS, PROFILES, DETAILS AND QUANTITIES |
| 120-133 | SANITARY SEWER PLANS, PROFILE, DETAILS AND QUANTITIES |
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| 158-164 | STAGE CONSTRUCTION |
| 165-196 | TRAFFIC HANDLING PLANS AND QUANTITIES |
| 197-201 | DETOUR PLANS |
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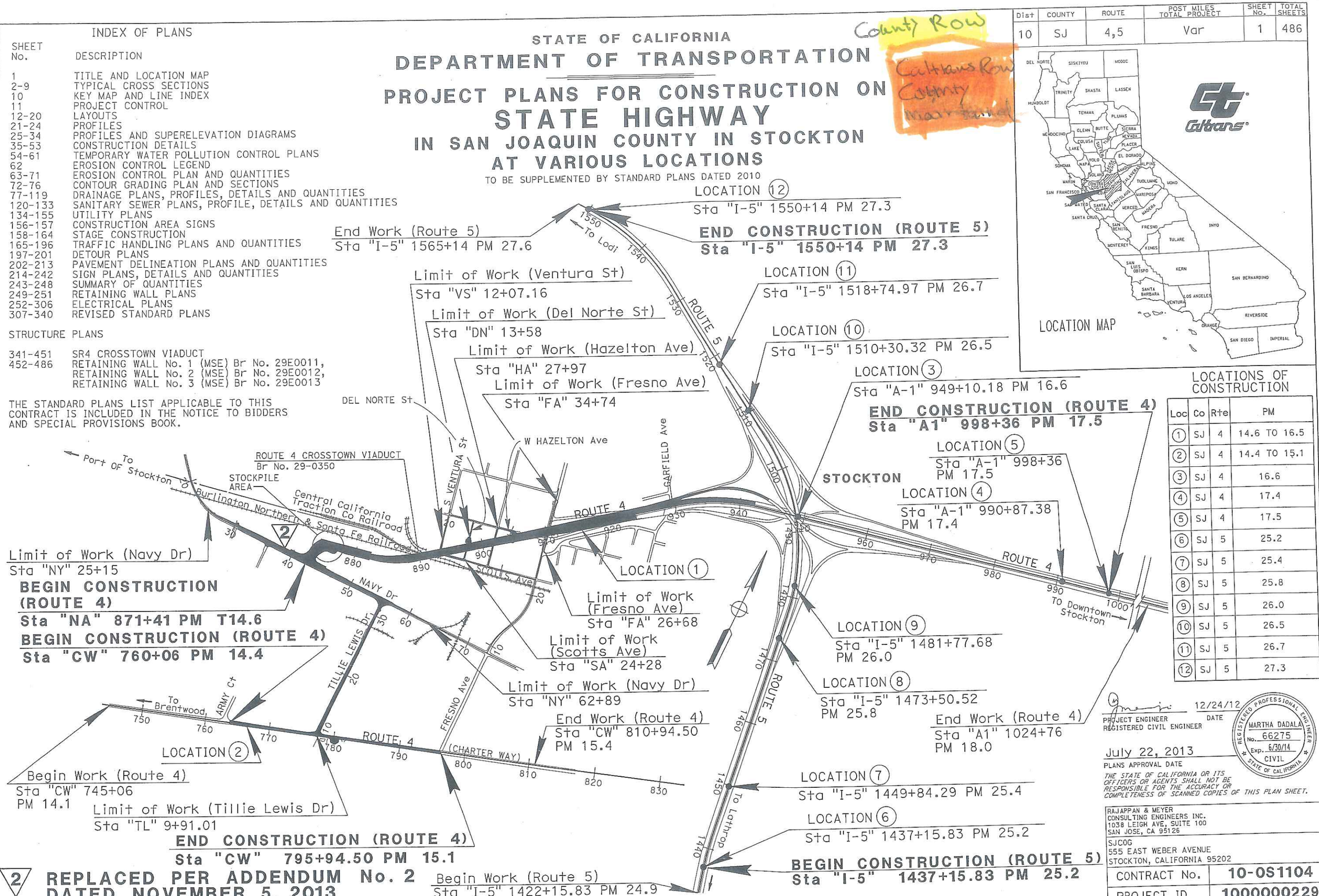
| 243-248 | SUMMARY OF QUANTITIES |
| 249-251 | RETAINING WALL PLANS |
| 252-306 | ELECTRICAL PLANS |
| 307-340 | REVISED STANDARD PLANS |

STRUCTURE PLANS

| | |
|---|---|
| 341-451 | SR4 CROSSTOWN VIADUCT |
| 452-486 | RETAINING WALL No. 1 (MSE) Br No. 29E0011, RETAINING WALL No. 2 (MSE) Br No. 29E0012, RETAINING WALL No. 3 (MSE) Br No. 29E0013 |


THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.







## LOCATIONS OF CONSTRUCTION

| Loc | Co | Rte | PM |
|---|---|---|---|
| (1) | SJ | 4 | 14.6 TO 16.5 |
| (2) | SJ | 4 | 14.4 TO 15.1 |
| (3) | SJ | 4 | 16.6 |
| (4) | SJ | 4 | 17.4 |
| (5) | SJ | 4 | 17.5 |
| (6) | SJ | 5 | 25.2 |
| (7) | SJ | 5 | 25.4 |
| (8) | SJ | 5 | 25.8 |
| (9) | SJ | 5 | 26.0 |
| (10) | SJ | 5 | 26.5 |
| (11) | SJ | 5 | 26.7 |
| (12) | SJ | 5 | 27.3 |

APPROVED AS TO IMPACT ON STATE FACILITIES AND CONFORMANCE WITH APPLICABLE STATE STANDARDS AND PRACTICES AND THAT TECHNICAL OVERSIGHT WAS PERFORMED.

CALTRANS DESIGN OVERSIGHT APPROVAL — JES PADDA — DATE SIGNED 01-14-13

CONSULTANT DESIGN ENGINEER — MARTHA DADALA — LICENSE Exp DATE 06-30-13 — REGISTRATION No. 59153

12/24/12
PROJECT ENGINEER — DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER — MARTHA DADALA — No. 66275 — Exp. 6/30/14 — CIVIL — STATE OF CALIFORNIA

July 22, 2013
PLANS APPROVAL DATE

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


RAJAPPAN & MEYER
CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

SJCOG
555 EAST WEBER AVENUE
STOCKTON, CALIFORNIA 95202


| | |
|---|---|
| CONTRACT No. | 10-0S1104 |
| PROJECT ID | 1000000229 |

DATE PLOTTED => 05-NOV-2013
TIME PLOTTED => 05:49

2 REPLACED PER ADDENDUM No. 2 DATED NOVEMBER 5, 2013

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

LAST REVISION 8-1-11

BORDER LAST REVISED 7/2/2010 | CALTRANS WEB SITE IS: HTTP//WWW.DOT.CA.GOV/ | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s121614 | DGN FILE => 1000000229ab001.dgn | UNIT 1455 | PROJECT NUMBER & PHASE 10000002291

NOTE:

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

## CURVE DATA

| No. | RADIUS | DELTA | TANGENT | LENGTH |
|---|---|---|---|---|
| ③ | 4500' | 04°52'08" | 191.32' | 382.41' |
| ⑤ | 20,000' | 01°08'45" | 199.98' | 399.95' |
| ⑦ | 20,000' | 01°08'45" | 199.98' | 399.95' |
| ⑫ | 80' | 87°32'34" | 76.64' | 122.23' |
| ⑱ | 60' | 49°16'03" | 27.51' | 51.56' |
| ⑲ | 60' | 49°26'29" | 27.62' | 51.78' |
| ⑳ | 48' | 277°26'48" | - | 232.43' |

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 14 | 486 |

Ng Chi Wai 12/24/12
REGISTERED CIVIL ENGINEER DATE

7-22-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHI WAI NG
No. 71315
Exp. 12/31/2013
CIVIL
STATE OF CALIFORNIA

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

RAJAPPAN & MEYER
CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

## LAYOUT

SCALE: 1" = 50'

L-3

2 REPLACED PER ADDENDUM No. 2 DATED NOVEMBER 5, 2013

| LAST REVISION | DATE PLOTTED => 05-NOV-2013 |
|---|---|
| 00-00-00 | TIME PLOTTED => 05:49 |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

| CALCULATED-DESIGNED BY | PRAVEEN CHILAKAPATI |
|---|---|
| CHECKED BY | CHI WAI NG |
| CONSULTANT FUNCTIONAL SUPERVISOR | KEITH MEYER |
| REVISED BY | |
| DATE REVISED | |

BORDER LAST REVISED 7/2/2010

USERNAME => s121614
DGN FILE => 1000000229ea003.add

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 15 | 486 |

Na Chi Wai — REGISTERED CIVIL ENGINEER — 12/24/12 DATE

7-22-13 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CHI WAI NG — No. 71315 — Exp. 12/31/2013 — CIVIL — STATE OF CALIFORNIA

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

RAJAPPAN & MEYER
CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

NOTE:

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

DETAIL A

CURVE DATA

| No. | RADIUS | DELTA | TANGENT | LENGTH |
|---|---|---|---|---|
| ⑤ | 20,000′ | 01°08′45″ | 199.98′ | 399.95′ |
| ⑥ | 20,000′ | 01°08′45″ | 199.98′ | 399.95′ |
| ⑦ | 20,000′ | 01°08′45″ | 199.98′ | 399.95′ |
| ⑧ | 20,000′ | 01°08′45″ | 199.98′ | 399.95′ |
| ⑬ | 170.82′ | 30°27′40″ | 46.51′ | 90.82′ |
| ㉑ | 60′ | 61°30′00″ | 35.70′ | 64.40′ |
| ㉒ | 60′ | 28°52′25″ | 15.45′ | 30.24′ |
| ㉓ | 48′ | 270°55′07″ | - | 226.96′ |

2 REPLACED PER ADDENDUM No. 2 DATED NOVEMBER 5, 2013

LAYOUT
SCALE: 1" = 50′

L-4

| REVISED BY | DATE REVISED |
|---|---|
| PRAVEEN CHILAKAPATI | CHI WAI NG |
| CONSULTANT FUNCTIONAL SUPERVISOR | KEITH MEYER |
| CALCULATED-DESIGNED BY | CHECKED BY |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

LAST REVISION 00-00-00 — DATE PLOTTED => 05-NOV-2013 — TIME PLOTTED => 05:50

BORDER LAST REVISED 7/2/2010 — USERNAME => s121614 — DGN FILE => 1000000229ea004.dgn — RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 — UNIT 1455 — PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 1 | 486 |

STATE OF CALIFORNIA

# DEPARTMENT OF TRANSPORTATION

## PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY IN SAN JOAQUIN COUNTY IN STOCKTON AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

### INDEX OF PLANS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|---|---|
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| | |
|---|---|
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| 452-486 | RETAINING WALL No. 1 (MSE) Br No. 29E0011, RETAINING WALL No. 2 (MSE) Br No. 29E0012, RETAINING WALL No. 3 (MSE) Br No. 29E0013 |


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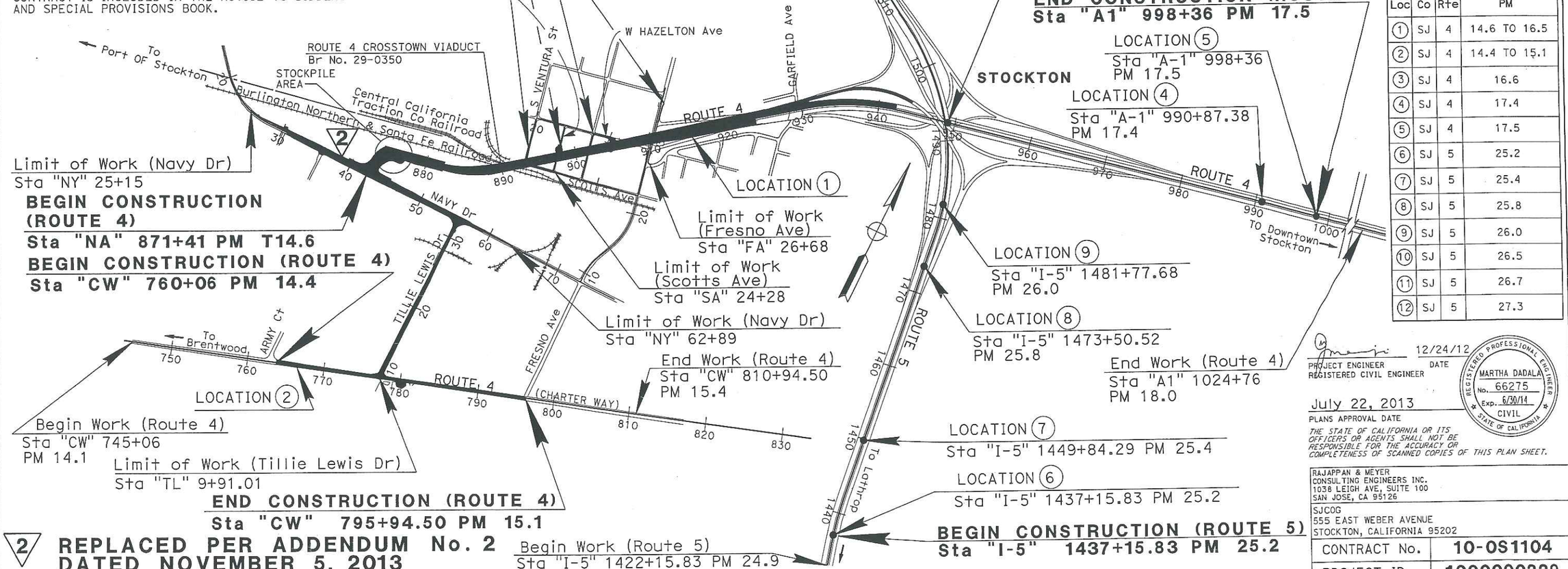


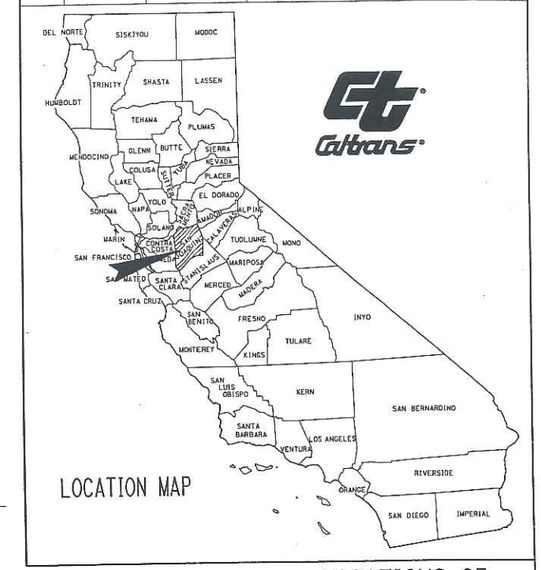


LOCATION MAP

### LOCATIONS OF CONSTRUCTION

| Loc | Co | Rte | PM |
|---|---|---|---|
| 1 | SJ | 4 | 14.6 TO 16.5 |
| 2 | SJ | 4 | 14.4 TO 15.1 |
| 3 | SJ | 4 | 16.6 |
| 4 | SJ | 4 | 17.4 |
| 5 | SJ | 4 | 17.5 |
| 6 | SJ | 5 | 25.2 |
| 7 | SJ | 5 | 25.4 |
| 8 | SJ | 5 | 25.8 |
| 9 | SJ | 5 | 26.0 |
| 10 | SJ | 5 | 26.5 |
| 11 | SJ | 5 | 26.7 |
| 12 | SJ | 5 | 27.3 |

2 REPLACED PER ADDENDUM No. 2 DATED NOVEMBER 5, 2013

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NO SCALE

APPROVED AS TO IMPACT ON STATE FACILITIES AND CONFORMANCE WITH APPLICABLE STATE STANDARDS AND PRACTICES AND THAT TECHNICAL OVERSIGHT WAS PERFORMED.

CALTRANS DESIGN OVERSIGHT APPROVAL — JES PADDA — DATE SIGNED 01-14-13

CONSULTANT DESIGN ENGINEER — MARTHA DADALA — REGISTRATION No. 59153 — LICENSE Exp DATE 06-30-13

12/24/12
PROJECT ENGINEER REGISTERED CIVIL ENGINEER — DATE

REGISTERED PROFESSIONAL ENGINEER — MARTHA DADALA — No. 66275 — Exp. 6/30/14 — CIVIL — STATE OF CALIFORNIA

July 22, 2013
PLANS APPROVAL DATE

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1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

SJCOG
555 EAST WEBER AVENUE
STOCKTON, CALIFORNIA 95202


| | |
|---|---|
| CONTRACT No. | 10-0S1104 |
| PROJECT ID | 1000000229 |

LAST REVISION 8-1-11 — DATE PLOTTED => 05-NOV-2013 — TIME PLOTTED => 05:49

BORDER LAST REVISED 7/2/2010 | CALTRANS WEB SITE IS: HTTP//WWW.DOT.CA.GOV/ | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s121614 DGN FILE => 1000000229ab001.dgn | UNIT 1455 | PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 2 | 486 |

REGISTERED CIVIL ENGINEER — DATE 12/24/12

MARTHA M DADALA No. 66275 Exp. 6/30/2014 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

7-22-13
PLANS APPROVAL DATE

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

RAJAPPAN & MEYER
CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

## NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN ON PROFILE AND SUPERELEVATION SHEETS.
3. FOR RETAINING WALL LOCATIONS AND DETAILS, SEE RETAINING WALL PLANS.
4. EXACT LOCATIONS AND TYPES OF FENCES, DIKES AND CURB ARE SHOWN ON THE LAYOUTS AND IN THE SUMMARY OF QUANTITIES SHEETS.
5. FOR LOCATION OF SAWCUT/CONFORM LINES, SEE LAYOUTS.
6. FOR DITCH, BASIN LOCATIONS AND FLOW LINES, SEE DRAINAGE PLANS AND CONTOUR GRADING PLANS.
7. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT DISTRICT OFFICE.
8. FOR BRIDGE DETAILS, SEE STRUCTURAL PLANS.
9. FOR RUMBLE STRIP LOCATIONS, SEE LAYOUT PLANS.
10. FOR CURB (TYPE A2-6, Mod) DETAILS REFER TO C-12.

## ABBREVIATIONS:

| | |
|---|---|
| GB | GRADE BREAK |
| S/C | SAWCUT AND CONFORM |
| SEG | SUBGRADE ENHANCEMENT GEOTEXTILE |

## STRUCTURAL SECTIONS:

1 Exist
1.35' AC
0.35' AB

2 1.20' JPCP
0.35' LCB
0.70' AS (CLASS 2)
SEG

3 1.05' JPCP
0.35' LCB
0.70' AS (CLASS 2)
SEG

4 1.25' JPCP
0.35' LCB
0.70' AS (CLASS 2)

5 1.10' CRCP
0.25' HMA (TYPE A)
LIQUID ASPHALT (PRIME COAT)
0.70' AS (CLASS 2)

6 0.70' HMA (TYPE A)
LIQUID ASPHALT (PRIME COAT)
2.70' AB (CLASS 2)

7 0.50' PCC
0.35' AB (CLASS 2)

8 0.35' AB (CLASS 2)

9 1.25' JPCP
0.25' HMA (TYPE A)
LIQUID ASPHALT (PRIME COAT)
0.70' AS (CLASS 2)

10 Exist
0.54' AC
0.42' AB

11 Exist
1.33' AC
0.33' AB

12 0.75' HMA (TYPE A)
LIQUID ASPHALT (PRIME COAT)
3.05' AB (CLASS 2)

13 0.45' HMA (TYPE A)
LIQUID ASPHALT (PRIME COAT)
1.40' AB (CLASS 2)
0.75' AS (CLASS 2)
SEG

14 0.70' HMA (TYPE A)
LIQUID ASPHALT (PRIME COAT)
2.90' AB (CLASS 2)

15 0.50' HMA (TYPE A) (UNDER DIKE)

16 Exist
0.45' AC
0.85' CTB
1.50' AS (TYPE B)

17 Exist
0.67' PCC
0.35' CTB (CLASS B)
0.98' AS (TYPE A CLASS 4)
1.00' AS (TYPE B CLASS 4)

18 Exist
0.20' AC (TYPE B)
0.45' AB (CLASS 2)
1.35' AS (TYPE A CLASS 4)
1.00' AS (TYPE B CLASS 4)

19 Exist
0.25' AC (TYPE B)
0.55' AB (CLASS 2)
1.20' AS (TYPE A)

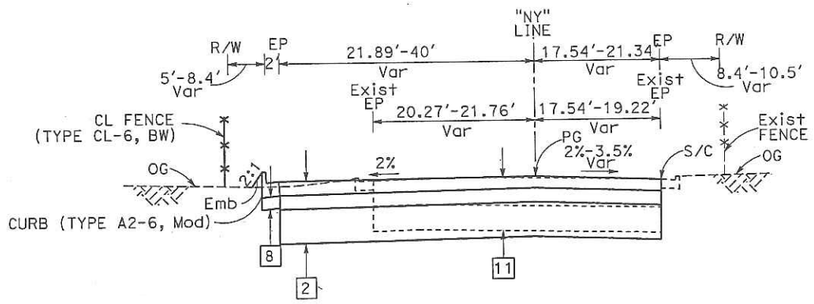
20 Exist
0.25' AC (TYPE B)
0.55' AB (CLASS 2)
2.00' AS (TYPE A)

## ROUTE 4 DESIGN DESIGNATION:

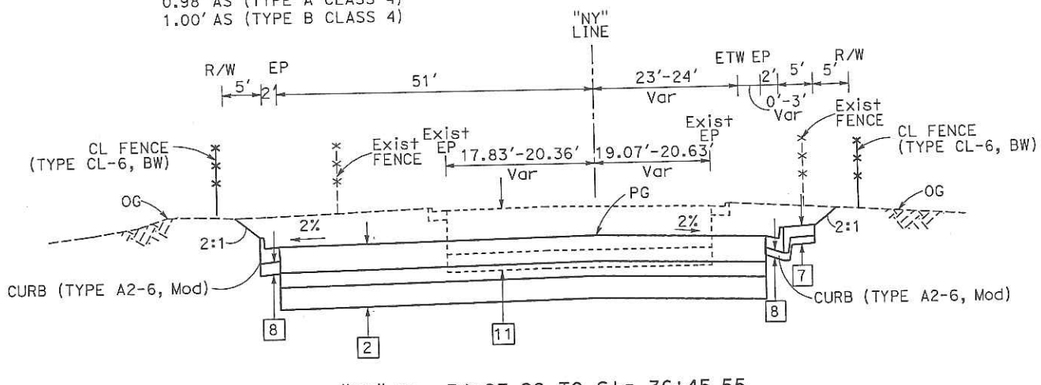
| | | | |
|---|---|---|---|
| ADT (2009) 26,000 | | D | 65% |
| ADT (2035) 40,700 | | T | 13% |
| DHV (2035) 4,700 | | V | 65 mph |
| ESAL 163,000 | | $TI_{20}$ | 16.5 |

## PAVEMENT CLIMATE REGION:

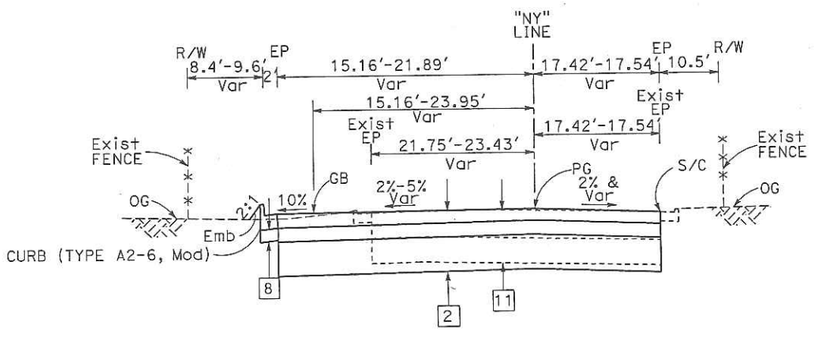
INLAND VALLEY



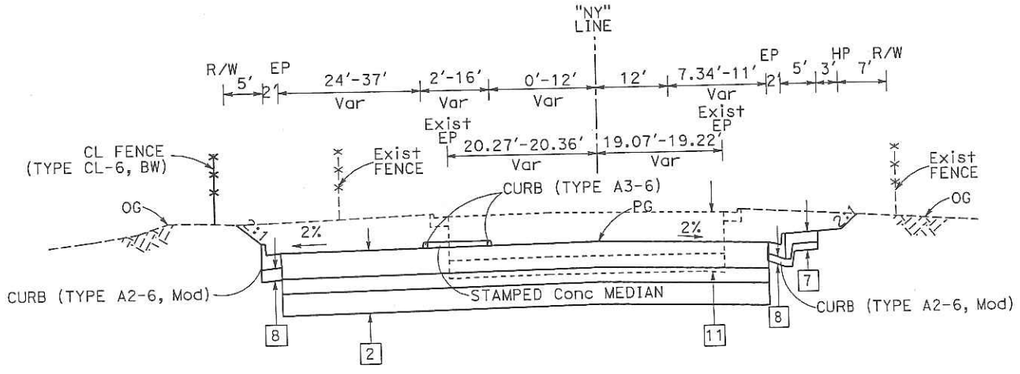

"NY" Sta 26+70.00 TO Sta 30+65.43
**NAVY Dr**




"NY" Sta 34+93.26 TO Sta 36+45.55
**NAVY Dr**




"NY" Sta 26+09.82 TO Sta 26+70.00
**NAVY Dr**




"NY" Sta 30+65.43 TO Sta 34+93.26
**NAVY Dr**

2 REPLACED PER ADDENDUM No. 2 DATED NOVEMBER 5, 2013

# TYPICAL CROSS SECTIONS

NO SCALE

X-1

LAST REVISION 00-00-00 | DATE PLOTTED => 05-NOV-2013 | TIME PLOTTED => 05:49

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER

CALCULATED-DESIGNED BY: SUCHITA POTTA | CHECKED BY: CHI WAI NG

REVISED BY | DATE REVISED

BORDER LAST REVISED 7/2/2010

USERNAME => s121614
DGN FILE => 1000000229ca001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 7 | 486 |

2

REGISTERED CIVIL ENGINEER — DATE 12/24/12

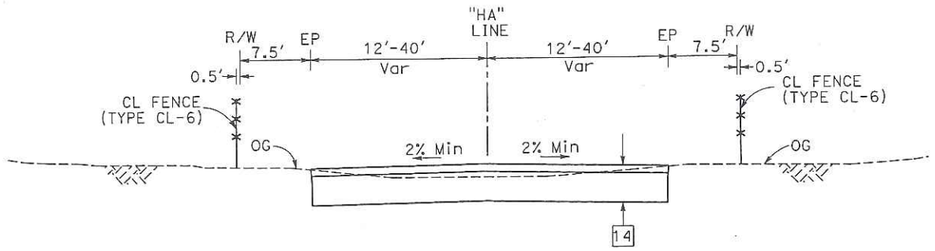
7-22-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — MARTHA M DADALA — No. 66275 — Exp. 6/30/2014 — CIVIL — STATE OF CALIFORNIA

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

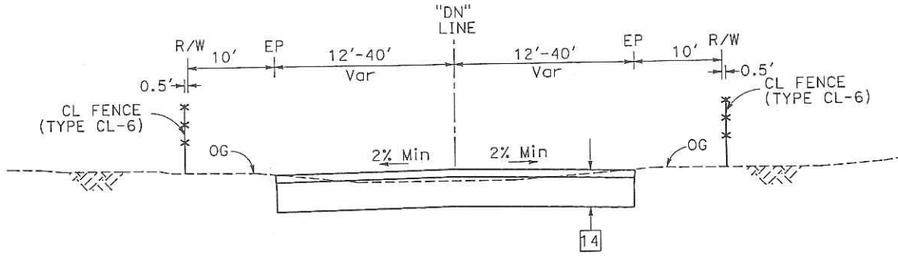
RAJAPPAN & MEYER
CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804



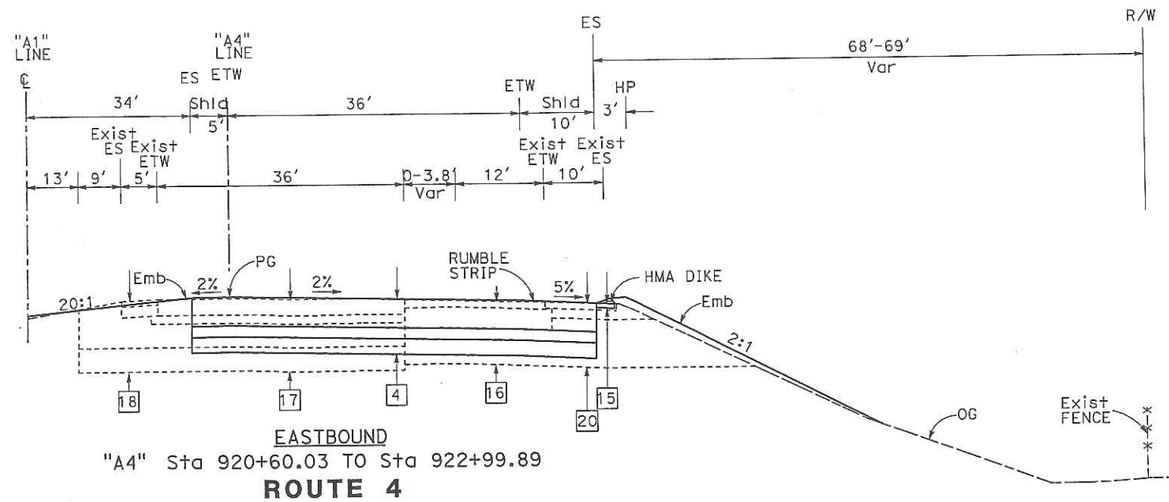

"HA" Sta 29+52.27 TO Sta 30+53.23

**W HAZELTON Ave CUL-DE-SAC**




"DN" Sta 12+41.43 TO Sta 13+73.74

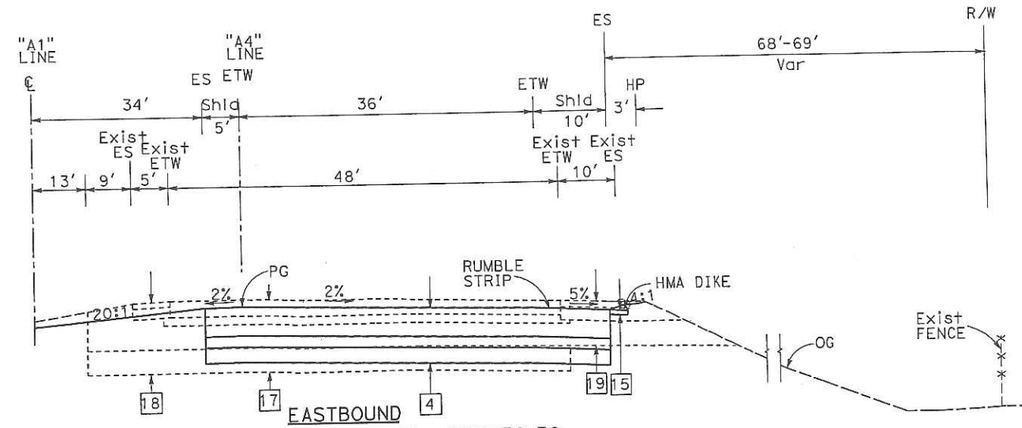
**DEL NORTE**




EASTBOUND

"A4" Sta 920+60.03 TO Sta 922+99.89

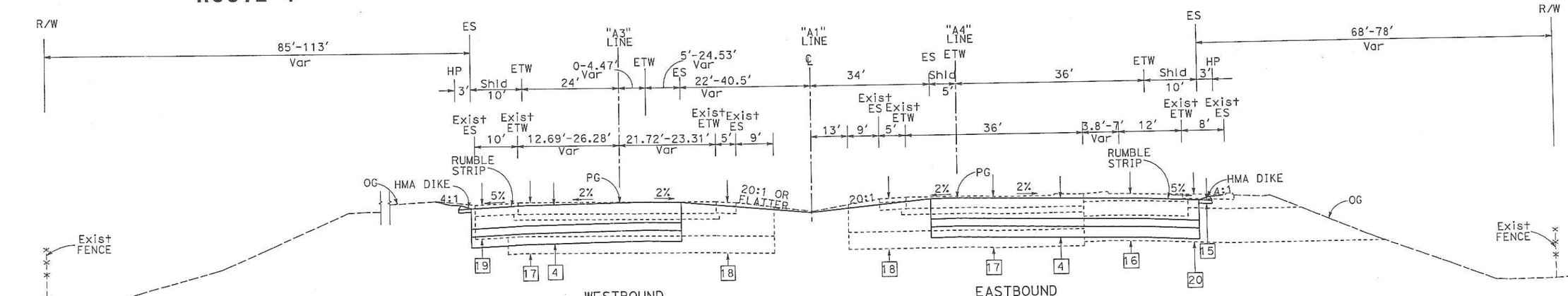
**ROUTE 4**




EASTBOUND

"A4" Sta 922+99.89 TO Sta 923+78.39

**ROUTE 4**




WESTBOUND

"A3" Sta 916+25.00 TO Sta 924+80.00

EASTBOUND

"A4" Sta 916+00.00 TO Sta 920+60.03

**ROUTE 4**

# TYPICAL CROSS SECTIONS

NO SCALE

**X-6**

2 **REPLACED PER ADDENDUM No. 2 DATED NOVEMBER 5, 2013**

LAST REVISION 00-00-00 — DATE PLOTTED => 05-NOV-2013 — TIME PLOTTED => 05:49

| REVISED BY | DATE REVISED |
|---|---|
| SUCHITA POTTA | CHI WAI NG |
| CALCULATED-DESIGNED BY | CHECKED BY |
| KEITH MEYER | |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — CONSULTANT FUNCTIONAL SUPERVISOR — Caltrans

BORDER LAST REVISED 7/2/2010

USERNAME => s121614
DGN FILE => 1000000229ca006.odd

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 9 | 486 |

REGISTERED CIVIL ENGINEER — DATE 12/24/12

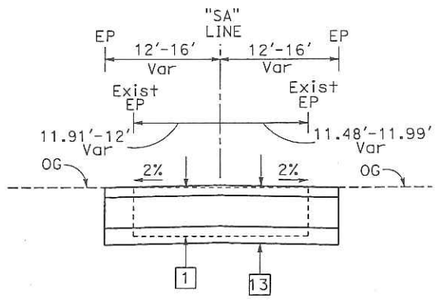
MARTHA M DADALA No. 66275 Exp. 6/30/2014 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

7-22-13
PLANS APPROVAL DATE

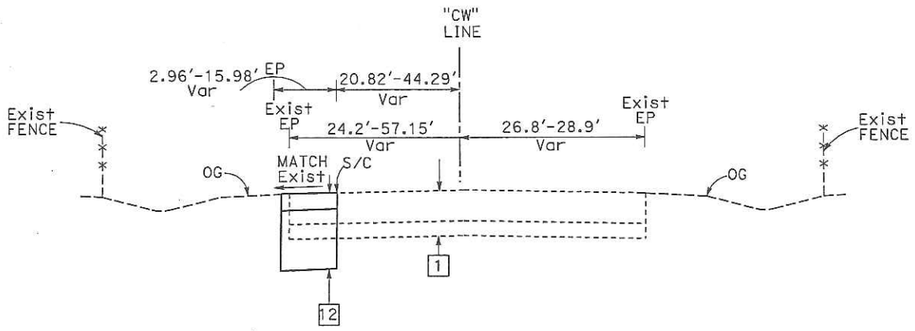
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

RAJAPPAN & MEYER
CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

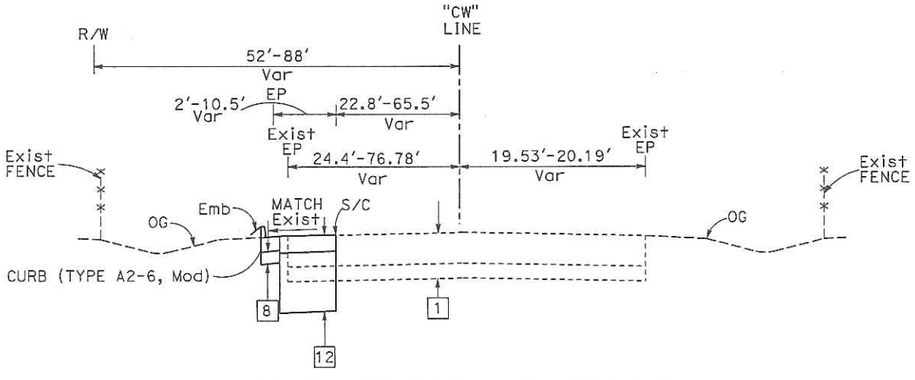
SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804



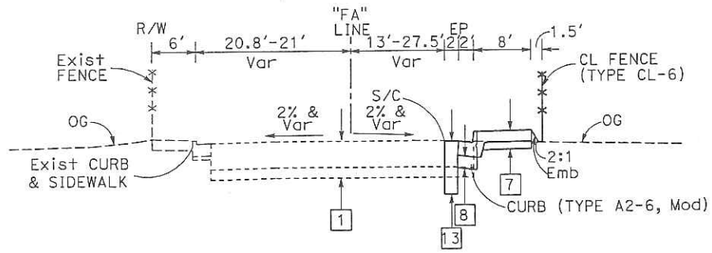

"VS" Sta 10+00.00 TO Sta 12+53.10
**VENTURA St**



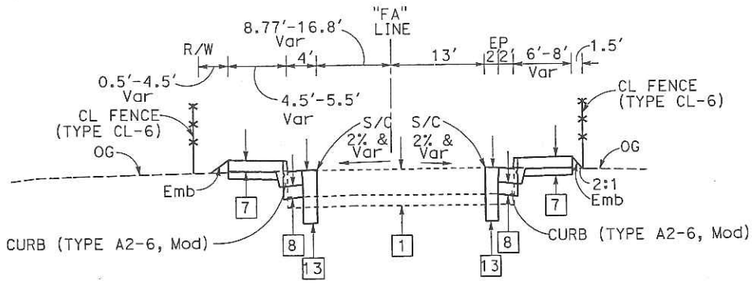

"CW" Sta 777+79.34 TO Sta 778+98.09
**CHARTER WAY**



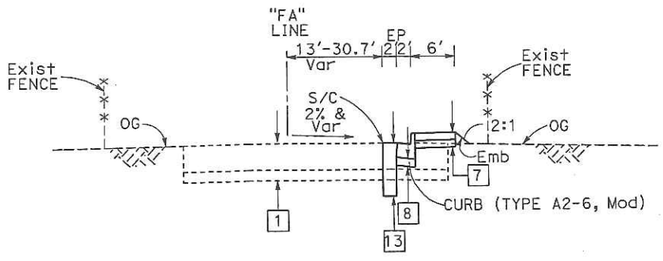

"CW" Sta 776+19.99 TO Sta 777+15.94
**CHARTER WAY**



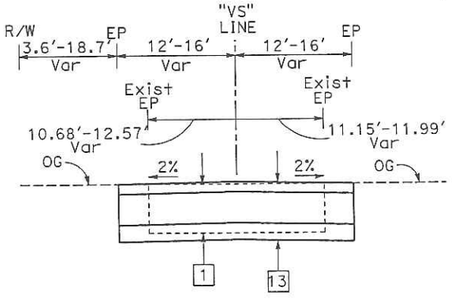

"FA" Sta 30+04.35 TO Sta 34+74.63
**FRESNO Ave**




"FA" Sta 27+14.18 TO Sta 30+04.35
**FRESNO Ave**




"FA" Sta 26+73.14 TO Sta 27+14.18
**FRESNO Ave**




"SA" Sta 20+00.00 TO Sta 23+49.00
**SCOTTS Ave**

# TYPICAL CROSS SECTIONS
NO SCALE

**X-8**

LAST REVISION 00-00-00 | DATE PLOTTED => 23-JUL-2013 | TIME PLOTTED => 08:34

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | Caltrans
CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER
CALCULATED-DESIGNED BY | CHECKED BY
REVISED BY | DATE REVISED

BORDER LAST REVISED 7/2/2010 | USERNAME => s119571 | DGN FILE => 1000000229ca008.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1455 | PROJECT NUMBER & PHASE 10000002291

NOTE:

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

## CURVE DATA

| No. | RADIUS | DELTA | TANGENT | LENGTH |
|---|---|---|---|---|
| 3 | 4500′ | 04°52′08" | 191.32′ | 382.41′ |
| 5 | 20,000′ | 01°08′45" | 199.98′ | 399.95′ |
| 7 | 20,000′ | 01°08′45" | 199.98′ | 399.95′ |
| 12 | 80′ | 87°32′34" | 76.64′ | 122.23′ |
| 18 | 60′ | 49°16′03" | 27.51′ | 51.56′ |
| 19 | 60′ | 49°26′29" | 27.62′ | 51.78′ |
| 20 | 48′ | 277°26′48" | - | 232.43′ |

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 14 | 486 |

Na Chi Wai 12/24/12
REGISTERED CIVIL ENGINEER DATE

7-22-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHI WAI NG
No. 71315
Exp. 12/31/2013
CIVIL
STATE OF CALIFORNIA

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

RAJAPPAN & MEYER
CONSULTING ENGINEERS INC.
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SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

"VS" 16+55.62 POT =
"HA" 20+00.00 POT

"HA" LINE

S11°08'22"E 408.77'

S. VENTURA St

"VS" LINE

"DN" 16+14.65 POT =
"HA" 23+93.10 POT

"DN" +73.77 BC
10.47' Lt

"DN" +28.30 PRC
31.32' Lt

N78°19'38"E 991.00'

W HAZELTON Ave

E. HAZELTON AV.

"LA" 16+19.44 POT =
"HA" 27+85.19 POT

"LA" +13.12 25.51' Rt
End CHAIN LINK FENCE
(TYPE CL-6)

"LA" +73.96 25.00' Lt

"LA" 13+89.29 POT=
"A1" 901+84.88 POT

"LA" +73.27
98.38' Lt

"LA" +33.12
25.00' Rt

"A3"
+00.02 BC

8" WSP

"VS" +53.10 0.25' Lt

"VS" +53.10 12.25' Lt

"VS" +72.98 26.97' Lt

"VS" +53.35 16.00' Lt

"VS" +22.23 EC

"VS" +22.23 16.00' Lt

REMOVE TREES
(TOTAL 12)

"A1" 892+50.00 23.00' Lt POT =
"A3" 892+50.00 POT

"A1" 891+61.95 23.00' Lt POT =
"NA1" 891+61.95 POC EC

TCE

"VS" +46.85 POT

"VS" +53.10 11.75' Rt

"VS" +95.25 23.98' Rt

"VS" +52.39 16.00' Rt

"VS" +22.23 16.00' Rt

"DN" +41.51 02.81' Rt
End CHAIN LINK FENCE
(TYPE CL-6)

"DN" +41.53 3.20' Lt
12' CHAIN LINK GATE
(TYPE CL-6)

"DN" +06.46
47.84' Lt

"DN" +42.28 09.16' Lt

"VS" +46.51 33.87' Rt
End CHAIN LINK FENCE
(TYPE CL-6)

Beg CHAIN LINK FENCE
(TYPE CL-6)

CHAIN LINK FENCE
(TYPE CL-6)

"A1" +83.59 0.21' Lt
12' CHAIN LINK GATE
(TYPE CL-6)

OBLITERATE SURFACING

"DN" 11+97.96 POT=
"A1" 897+49.12 POT

N52°59'00"E 1050.02'

N52°59'00"E 4227.39'

ROUTE 4

N52°59'00"E 1050.02'

"A4" +09.60 60.00' Rt
12' CHAIN LINK GATE
(TYPE CL-6)

"SA" +83.25
54.06' Lt

TCE

"SA" +31.70
20.00' Rt

"SA" LINE

"A1" 892+50.00 23.00' Rt POT =
"A4" 892+50.00 POT

"A1" +07.75 17.00' Rt
END CB(TYPE 60A)

"SA" +13.48
19.96' Lt

"DN" +03.44 04.93' Lt
End CHAIN LINK FENCE
(TYPE CL-6)

"SA" +84.08
16.00' Lt

"SA" +84.08
16.00' Rt

"SA" +44.08
12.00' Rt

"VS" +26.51 31.60' Rt
Beg CHAIN LINK FENCE
(TYPE CL-6)

"SA" +00.00 16.00' Rt

"VS" 10+00.00 BC =
"SA" 20+00.00 POT

"SA" +00.00 16.00' Lt

Burlington Northern & Santa Fe RR

"DN" +73.74 EC
12.03' Rt

"DN" +42.93
27.35' Rt

"DN" +27.70 PRC
32.01' Rt

TCE

SR4 CROSSTOWN VIADUCT
Br No. 29-0350
(SEE STRUCTURAL PLANS)

R/W

"LA" +85.86 25.51' Lt
Beg CHAIN LINK FENCE
(TYPE CL-6)

"LA" +79.86 25.51' Lt
12' CHAIN LINK GATE (TYPE CL-6)

"A3" LINE

"A1" LINE

"A4" LINE

"LA" +73.86 25.51' Lt
End CHAIN LINK FENCE
(TYPE CL-6)

"A4" +48.87 69.22' Rt

"DN" +13.74 74.98' Rt

"DN" +36.82 74.98' Rt

"A4" +54.85
95.50' Rt

"A4" +36.13
95.50' Rt

"A4" +04.36
95.50' Rt

"A4" +33.73 95.50' Rt

"A4" +48.80 64.44' Rt

"LA" +51.77 25.00' Lt

"LA" +45.45 25.00' Lt

"LA" 10+00.00 POT =
"SA" 27+00.47 POT

"DN" +08.58 05.91' Rt
Beg CHAIN LINK FENCE
(TYPE CL-6)

"DN" +89.50 25.00' Rt

"DN" +78.38 25.00' Rt

"SA" +44.08 12.00' Lt

N79°01'38"E 1544.28'

W SCOTTS Ave

S. LOS ANGELES Ave

S11°08'22"E 619.44'

"LA" LINE

"LA" +01.12 25.51' Rt
Beg CHAIN LINK FENCE
(TYPE CL-6)

"LA" +93.88 25.00' Rt

"LA" +69.71 25.00' Rt

12' CHAIN LINK GATE
(TYPE CL-6)

TCE

"A4" +00.02 BC

MATCH SHEET L-2

MATCH SHEET L-4

## LAYOUT

SCALE: 1" = 50'

L-3

2 REPLACED PER ADDENDUM No. 2 DATED NOVEMBER 5, 2013

LAST REVISION 00-00-00
DATE PLOTTED => 05-NOV-2013
TIME PLOTTED => 05:49

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

| REVISED BY | DATE REVISED |
|---|---|
| PRAVEEN CHILAKAPATI | CHI WAI NG |
| CALCULATED-DESIGNED BY | CHECKED BY |

CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER

BORDER LAST REVISED 7/2/2010

USERNAME => s121614
DGN FILE => 1000000229ea003.odd

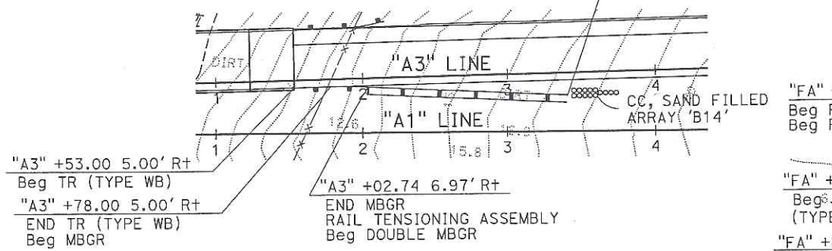
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

NOTE:

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




DETAIL A

CURVE DATA

| No. | RADIUS | DELTA | TANGENT | LENGTH |
|---|---|---|---|---|
| ⑤ | 20,000' | 01°08'45" | 199.98' | 399.95' |
| ⑥ | 20,000' | 01°08'45" | 199.98' | 399.95' |
| ⑦ | 20,000' | 01°08'45" | 199.98' | 399.95' |
| ⑧ | 20,000' | 01°08'45" | 199.98' | 399.95' |
| ⑬ | 170.82' | 30°27'40" | 46.51' | 90.82' |
| ㉑ | 60' | 61°30'00" | 35.70' | 64.40' |
| ㉒ | 60' | 28°52'25" | 15.45' | 30.24' |
| ㉓ | 48' | 270°55'07" | - | 226.96' |

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 15 | 486 |

Va Chi Van 12/24/12
REGISTERED CIVIL ENGINEER DATE

7-22-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHI WAI NG
No. 71315
Exp. 12/31/2013
CIVIL
STATE OF CALIFORNIA

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

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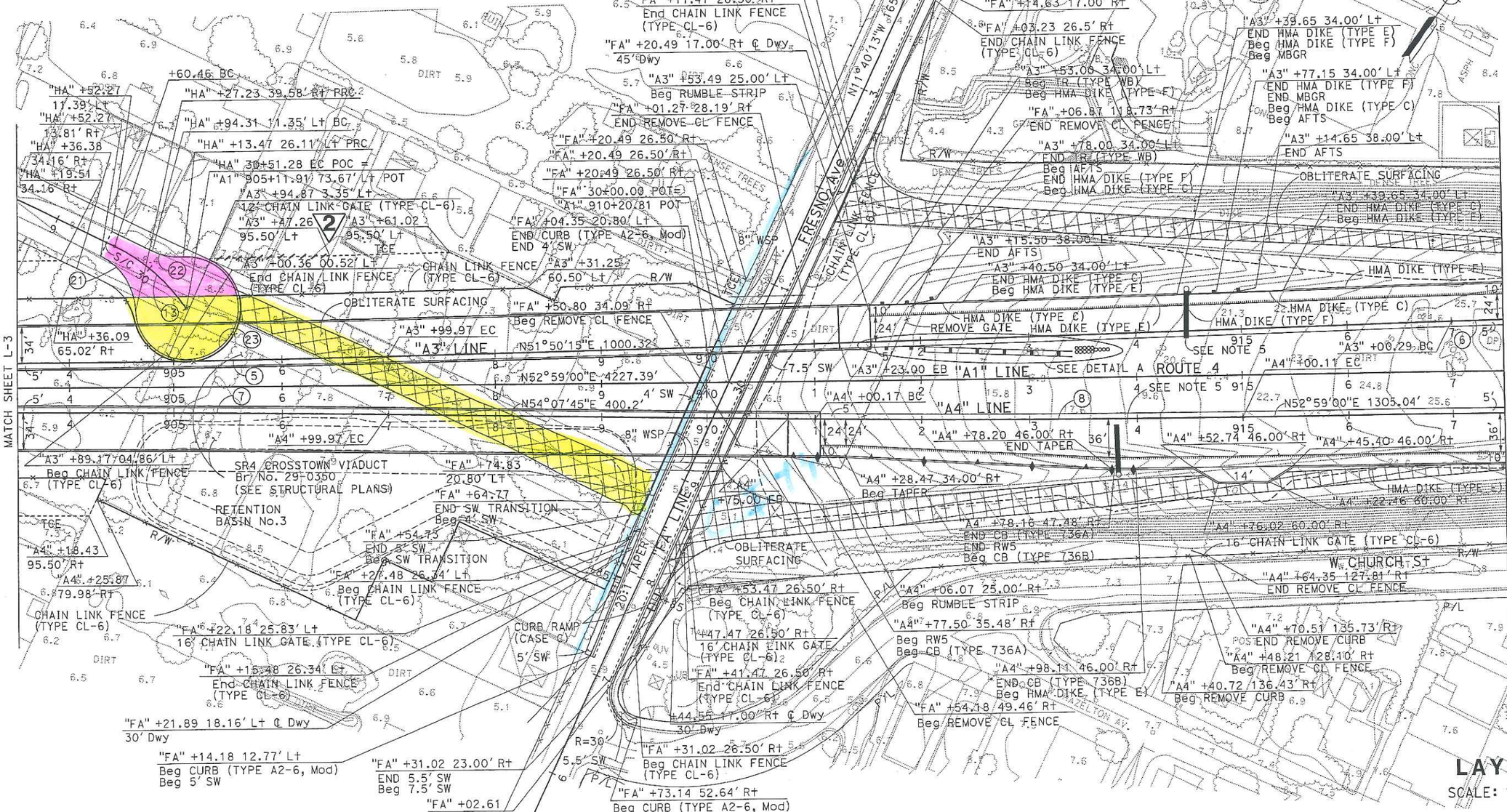
CONSULTING ENGINEERS INC.
1038 LEIGH AVE., SUITE 100
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804




LAYOUT
SCALE: 1" = 50'

L-4

2 REPLACED PER ADDENDUM No. 2 DATED NOVEMBER 5, 2013

| | | | | | |
|---|---|---|---|---|---|
| REVISED BY | | | | | |
| DATE REVISED | | | | | |
| CALCULATED-DESIGNED BY | PRAVEEN CHILAKAPATI | | | | |
| CHECKED BY | CHI WAI NG | | | | |
| CONSULTANT FUNCTIONAL SUPERVISOR | KEITH MEYER | | | | |
| STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | Caltrans | | | | |

BORDER LAST REVISED 7/2/2010

USERNAME => s121614
DGN FILE => 1000000229ea004.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

LAST REVISION 00-00-00
DATE PLOTTED => 05-NOV-2013
TIME PLOTTED => 05:50

NOTE:

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

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 16 | 486 |

Ng Chi Wai 12/24/12
REGISTERED CIVIL ENGINEER DATE

7-22-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHI WAI NG
No. 71315
Exp. 12/31/2013
CIVIL
STATE OF CALIFORNIA

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CONSULTING ENGINEERS INC.
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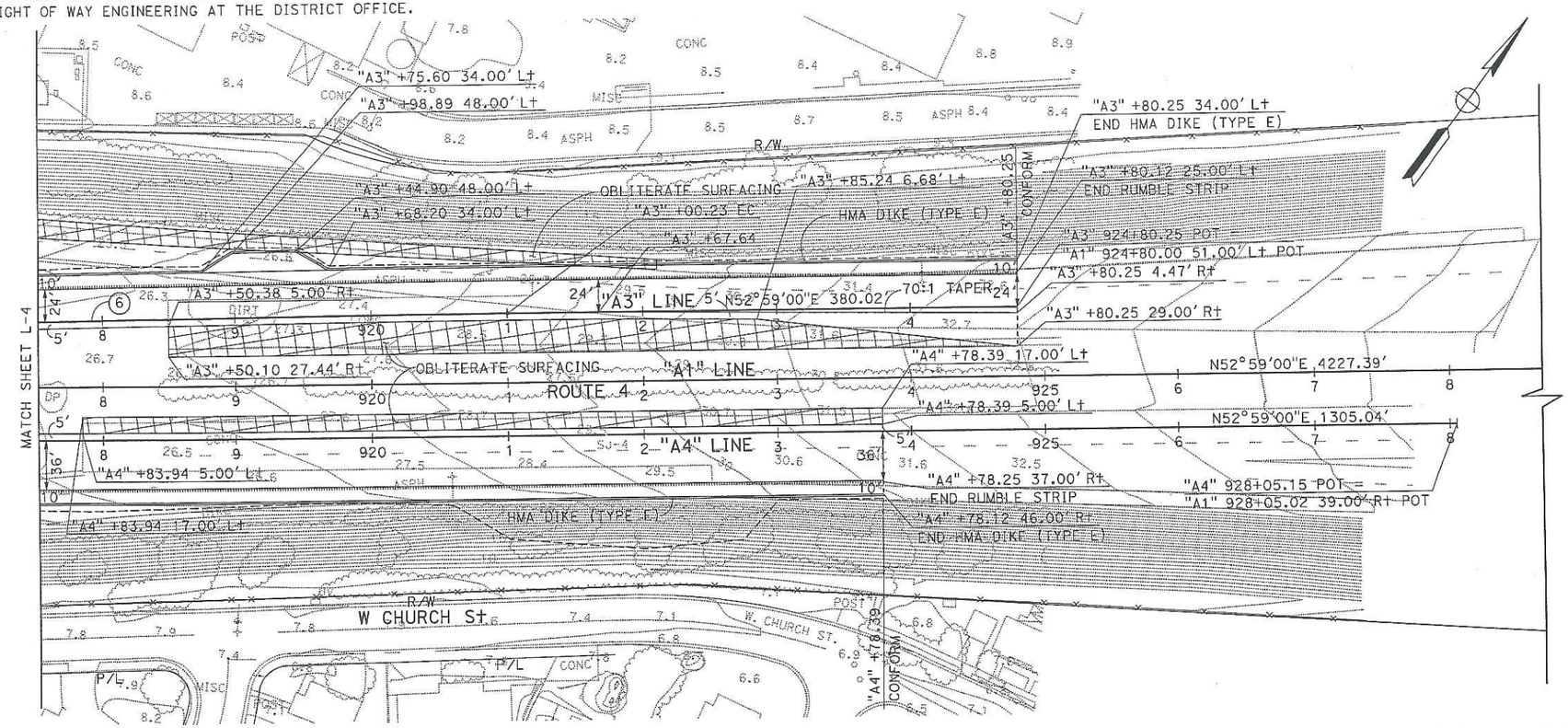
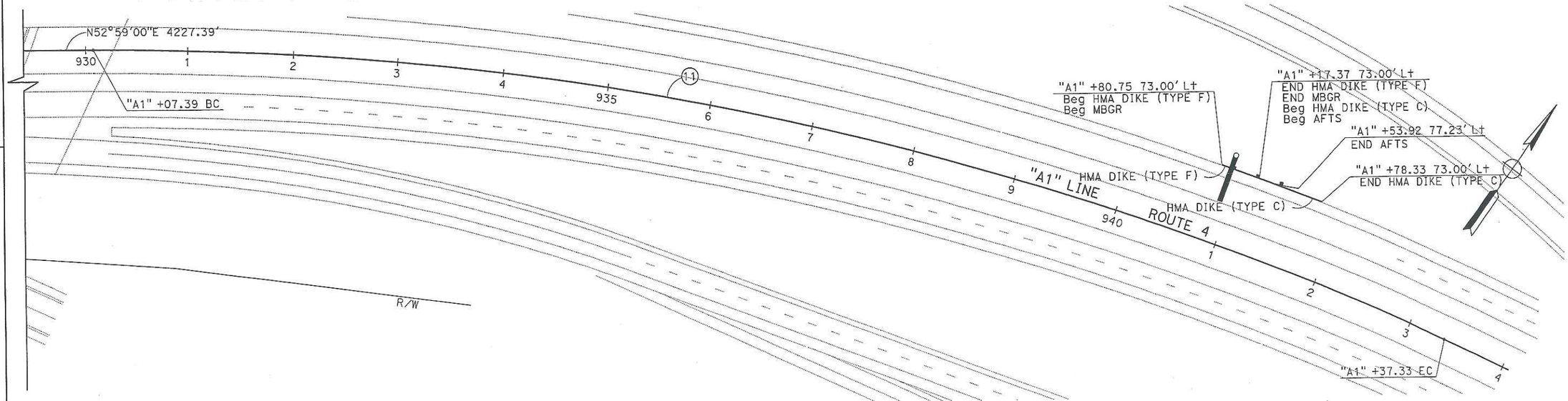
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCHTON, CA 95202-2804




CURVE DATA

| No. | RADIUS | DELTA | TANGENT | LENGTH |
|---|---|---|---|---|
| (6) | 20,000' | 01°08'45" | 199.98' | 399.95' |
| (11) | 3000' | 25°24'00" | 676.08' | 1329.94' |

# LAYOUT

SCALE: 1" = 50'

L-5

| STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | CONSULTANT FUNCTIONAL SUPERVISOR | CALCULATED-DESIGNED BY | CHECKED BY | REVISED BY | DATE REVISED |
|---|---|---|---|---|---|
| Caltrans | KEITH MEYER | PRAVEEN CHILAKAPATI | CHI WAI NG | | |

LAST REVISION 00-00-00 DATE TIME

TED => 23-JUL-2013
TED => 08:34

BORDER LAST REVISED 7/2/2010 | USERNAME => s119571 | DGN FILE => 1000000229ea005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1455 | PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 24 | 486 |

REGISTERED CIVIL ENGINEER — 12/24/12 DATE

7-22-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
PRAVEEN K.CHILAKAPATI
No. 76058
Exp. 06/30/2014
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.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1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804


REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: PRAVEEN CHILAKAPATI
CHECKED BY: CHI WAI NG

CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

SR4 CROSSTOWN VIADUCT
Br No. 29-0350
(SEE STRUCTURAL PLANS)

SR4 CROSSTOWN VIADUCT
Br No. 29-0350
(SEE STRUCTURAL PLANS)

SR4 CROSSTOWN VIADUCT
Br No. 29-0350
(SEE STRUCTURAL PLANS)

+32.47
+83.12
"A4" LINE
15' Min
VERTICAL
CLEARANCE
"A3" LINE
15' Min
VERTICAL
CLEARANCE
15' Min
VERTICAL
CLEARANCE

CONTROLLED BY
SCOTTS Ave

+00.00
Elev 07.17

+53.10
CONFORM

-0.35%

OG

CONTROLLED BY
VENTURA St

+00.00
Elev 07.17

+90.45 GB
Elev 07.84

+44.08
CONFORM

0.35%

-0.35%

OG

VENTURA St
"VS" LINE

SCOTTS Ave
"SA" LINE

# PROFILE

SCALE: Horiz 1" = 50'
Vert 1" = 5'

P-4

| STATION | 10 | 1 | 2 | 3 | 4 | 15 | 20 | 1 | 2 | 3 | 4 | 25 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | 726 | | | | | | 1052 | | | | | | 1778 |
| CY Emb | 0 | | | | | | 0 | | | | | | 0 |

LAST REVISION DATE TIME: 00-00-00 00:00
TED => 23-JUL-2013 /TED => 09:51

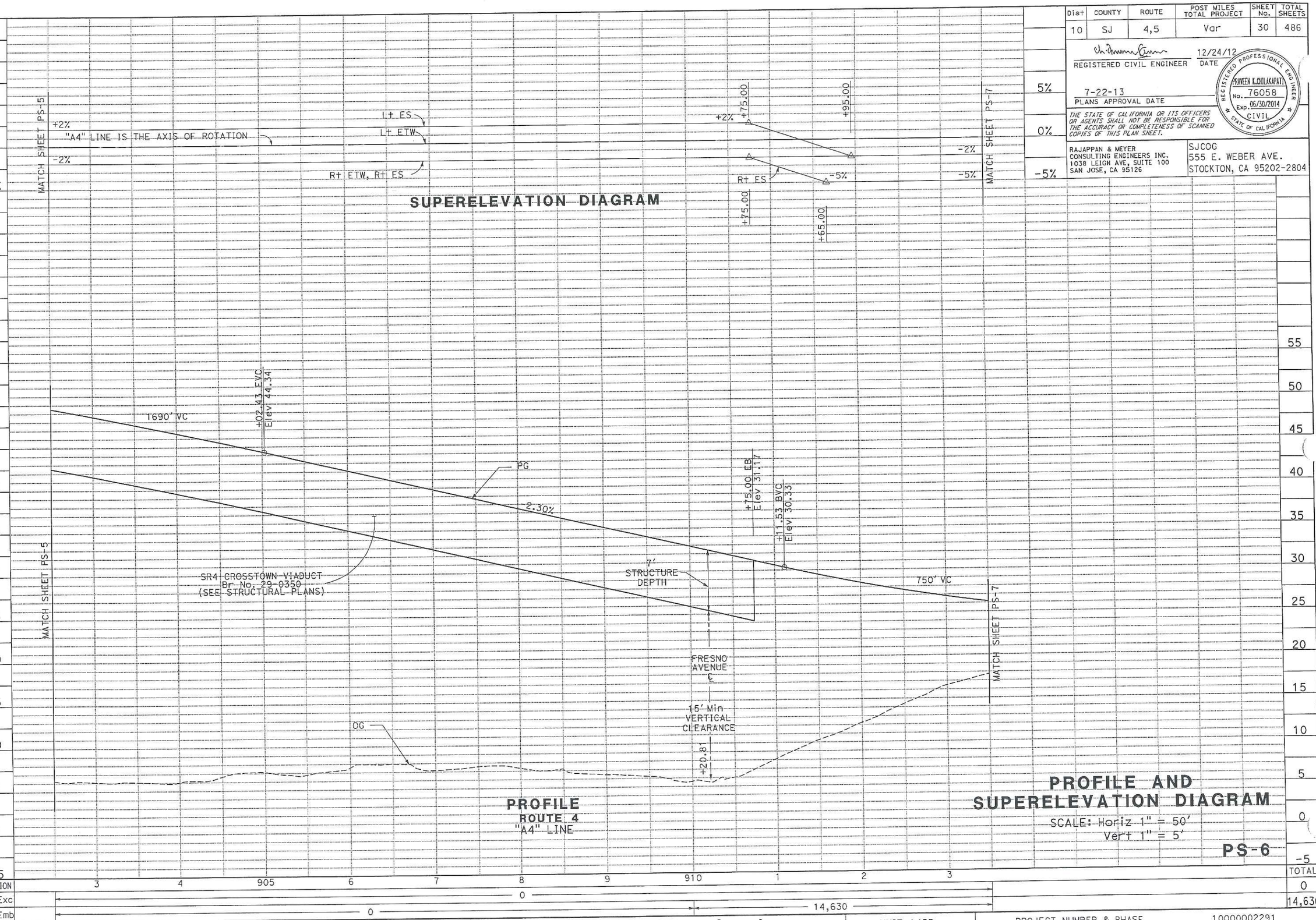
BORDER LAST REVISED 7/2/2010

USERNAME => s114926
DGN FILE => 10000002291p0004.dgn

RELATIVE BORDER SCALE IS IN INCHES
0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291




| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 30 | 486 |

REGISTERED CIVIL ENGINEER — DATE 12/24/12

PRAVEEN K. CHILAKAPATI — REGISTERED PROFESSIONAL ENGINEER — No. 76058 — Exp. 06/30/2014 — CIVIL — STATE OF CALIFORNIA

7-22-13
PLANS APPROVAL DATE

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

RAJAPPAN & MEYER
CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER

CALCULATED-DESIGNED BY: PRAVEEN CHILAKAPATI
CHECKED BY: CHI WAI NG

REVISED BY
DATE REVISED

DAT. TED => 23-JUL-2013
TIME TED => 09:52
1ST REVISION 00-00-00

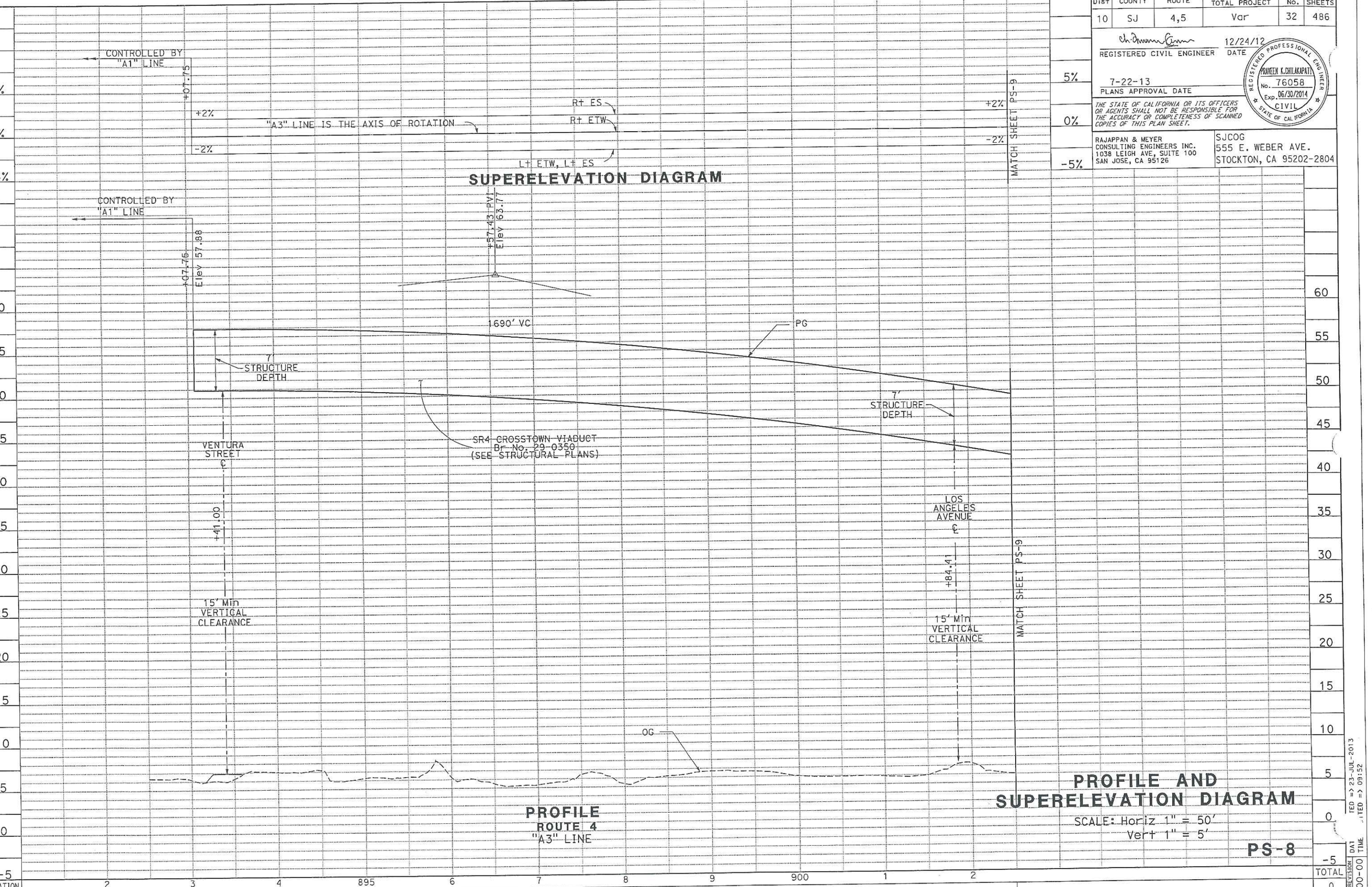
BORDER LAST REVISED 7/2/2010

USERNAME => s114926
DGN FILE => 1000000229fb006.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291




| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 32 | 486 |

REGISTERED CIVIL ENGINEER — DATE 12/24/12

PRAVEEN K. CHILAKAPATI No. 76058 Exp. 06/30/2014 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

7-22-13
PLANS APPROVAL DATE

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

RAJAPPAN & MEYER
CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

| REVISED BY | DATE REVISED |
|---|---|
| | |

CALCULATED-DESIGNED BY: PRAVEEN CHILAKAPATI
CHECKED BY: CHI WAI NG
CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION DAT 00-00-00 TIME
TED => 23-JUL-2013
TED => 09:52

BORDER LAST REVISED 7/2/2010

USERNAME => s114926
DGN FILE => 1000000229fb008.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 33 | 486 |

REGISTERED CIVIL ENGINEER — 12/24/12 DATE

PRAVEEN K. CHILAKAPATI — REG. No. 76058 — Exp. 06/30/2014 — CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

7-22-13
PLANS APPROVAL DATE

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555 E. WEBER AVE.
STOCKTON, CA 95202-2804


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

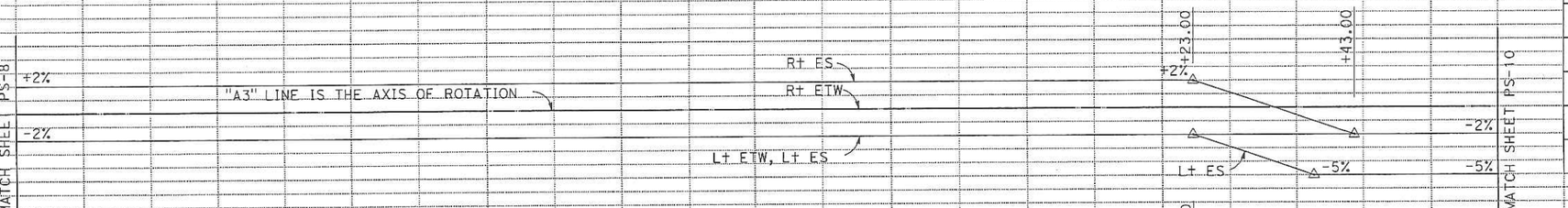
CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER

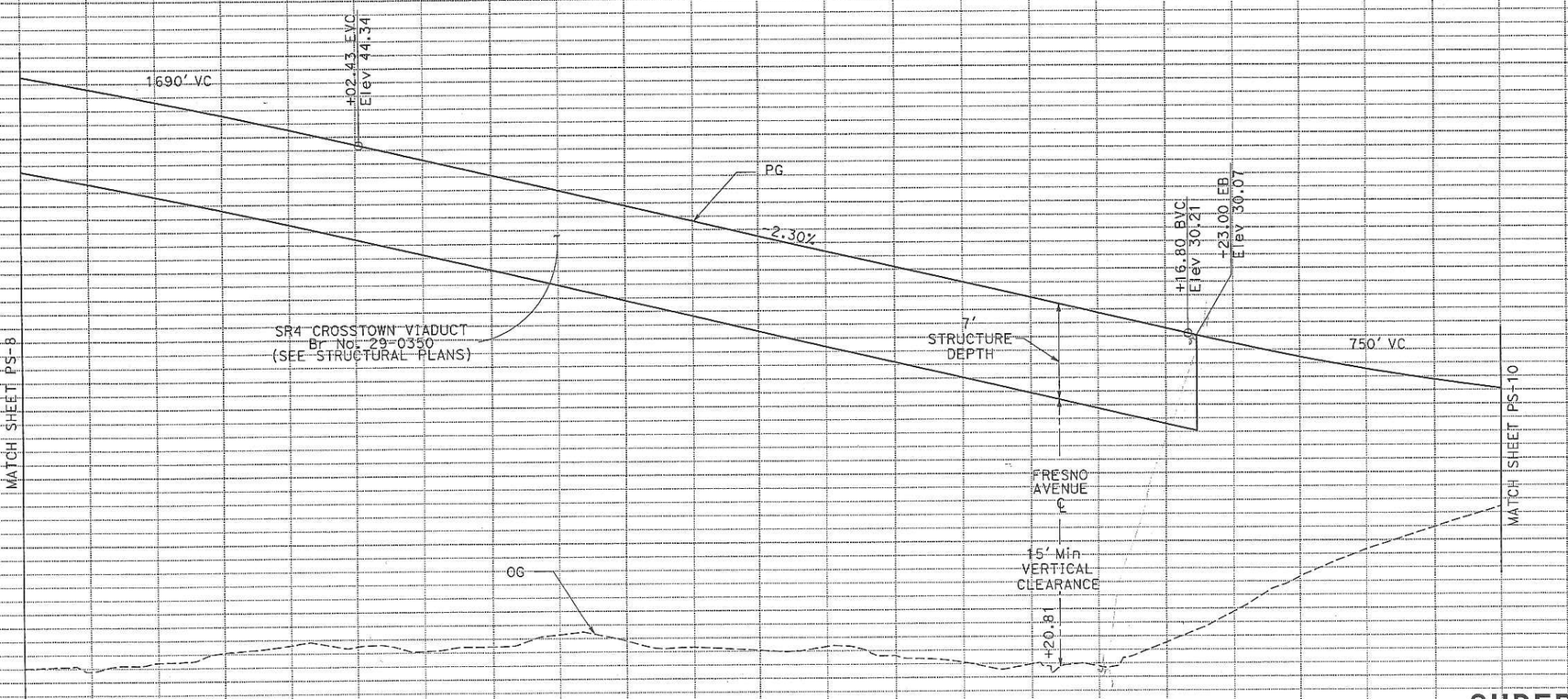
CALCULATED-DESIGNED BY: PRAVEEN CHILAKAPATI

CHECKED BY: CHI WAI NG

REVISED BY | DATE REVISED

## SUPERELEVATION DIAGRAM




## PROFILE
ROUTE 4
"A3" LINE

## PROFILE AND SUPERELEVATION DIAGRAM
SCALE: Horiz 1" = 50'
Vert 1" = 5'

**PS-9**

| STATION | 3 | 4 | 905 | 6 | 7 | 8 | 9 | 910 | 1 | 2 | 3 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | | | | | 0 | | | | | | 0 |
| CY Emb | | | | | | 0 | | | | 15,878 | | 15,878 |

LAST REVISION: 00-00-00 | DATE PLOTTED => 23-JUL-2013 | TIME PLOTTED => 09:52

BORDER LAST REVISED 7/2/2010 | USERNAME => s114926 | DGN FILE => 1000000229fb009.dgn | RELATIVE BORDER SCALE IS IN INCHES (0 1 2 3) | UNIT 1455 | PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 36 | 486 |

REGISTERED CIVIL ENGINEER 12/24/12 DATE

7-22-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER PRAVEEN K.CHILAKAPATI No. 76058 Exp. 06/30/2014 CIVIL STATE OF CALIFORNIA

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

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CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

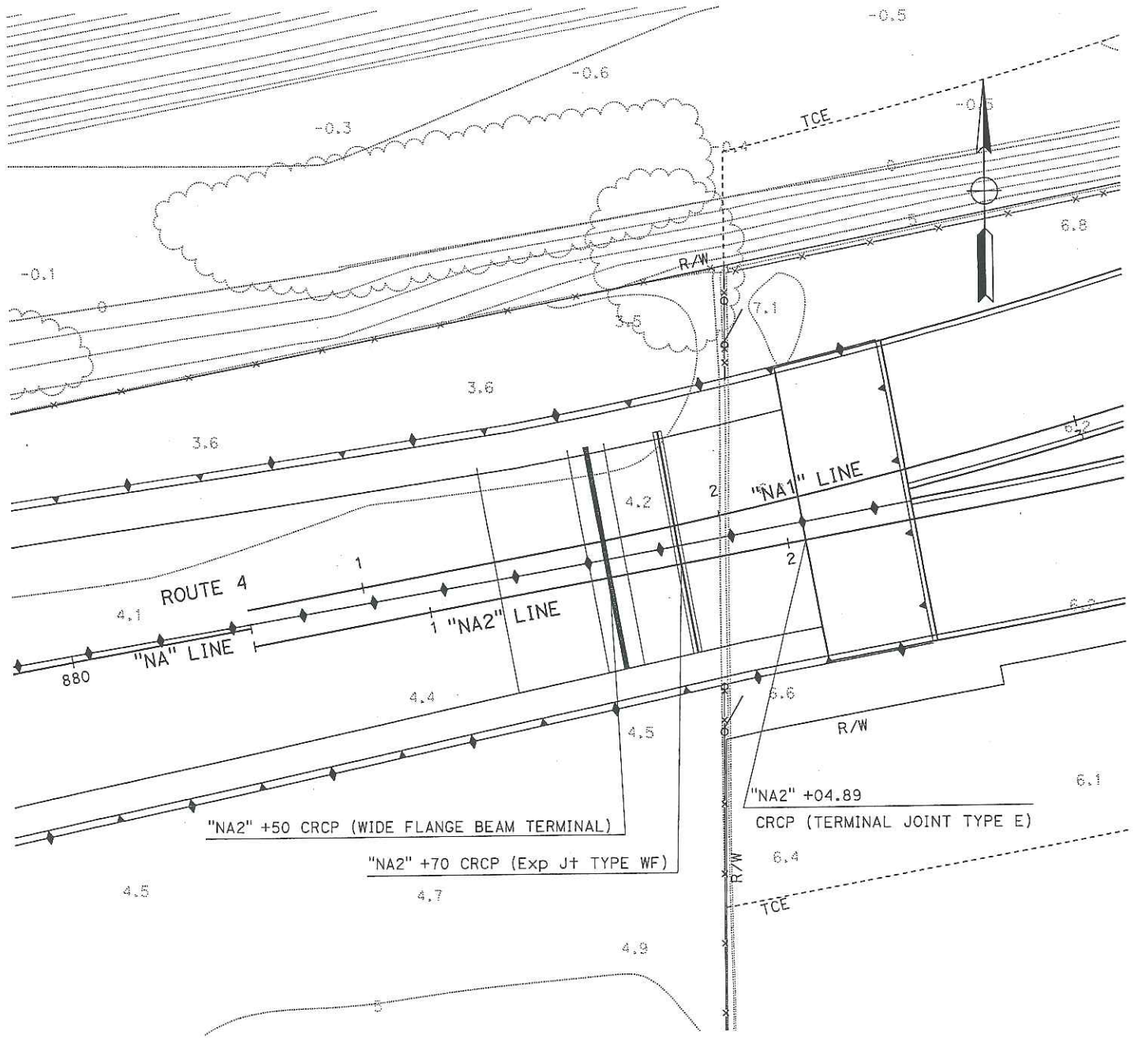
SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

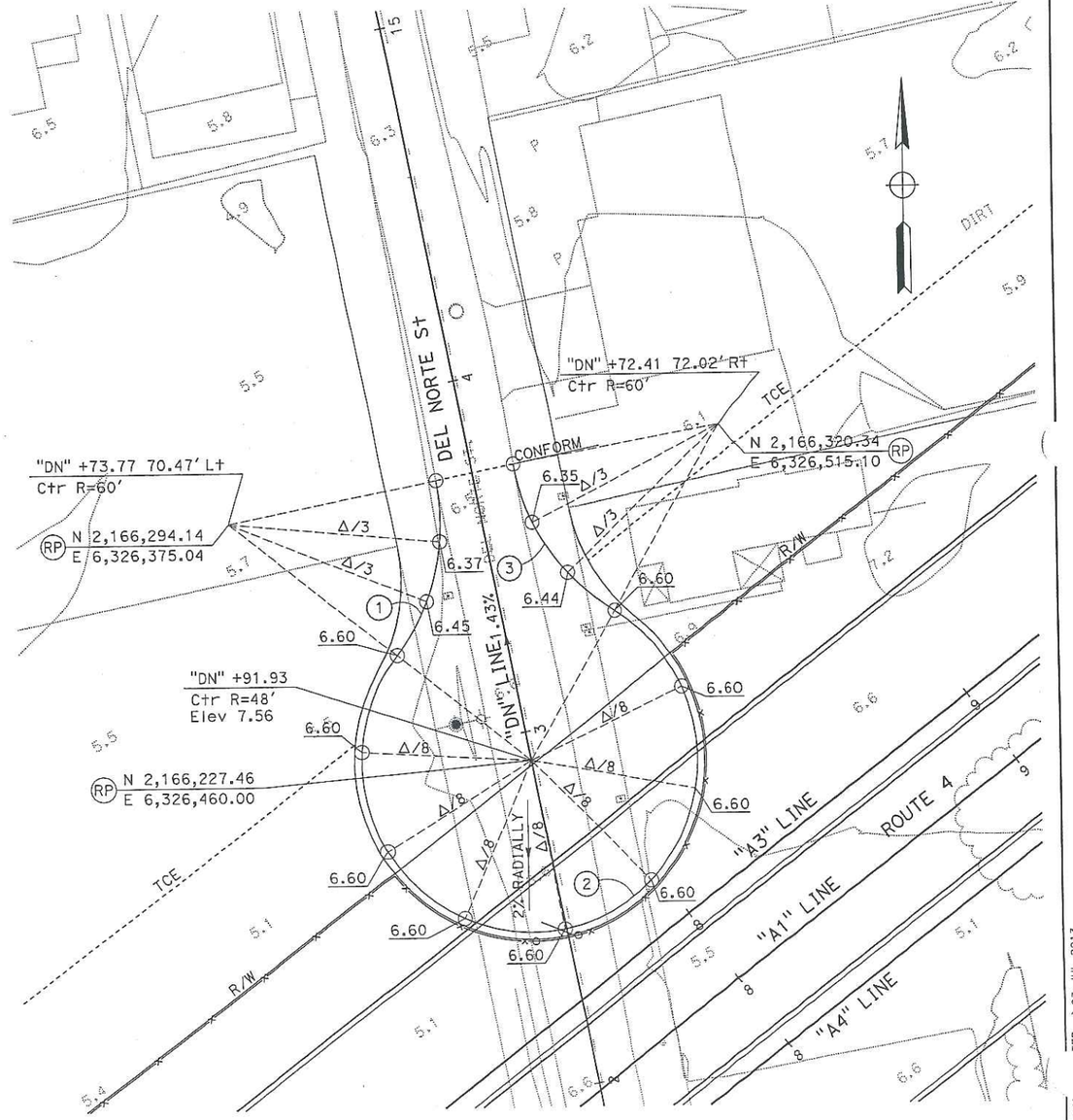
**NOTE:**

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

CURVE DATA

| No. | RADIUS | DELTA | TANGENT | LENGTH |
|---|---|---|---|---|
| 1 | 60.00' | 49°16'03" | 27.51' | 51.59' |
| 2 | 48.00' | 277°26'47" | - | 232.43' |
| 3 | 60.00' | 49°26'29" | 27.62' | 51.78' |




# CONSTRUCTION DETAILS

SCALE: 1" = 20'

C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER

CALCULATED-DESIGNED BY: PRAVEEN CHILAKAPATI

CHECKED BY: MARTHA DADALA

REVISED BY

DATE REVISED

LAST REVISION 00-00-00

DATE TIME

TED => 23-JUL-2013
TED => 09:53

BORDER LAST REVISED 7/2/2010

USERNAME => s114926
DGN FILE => 1000000229ga002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

NOTE:

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

CURVE DATA

| No. | RADIUS | DELTA | TANGENT | LENGTH |
|---|---|---|---|---|
| ① | 60.00' | 61°29'59" | 35.70' | 64.40' |
| ② | 48.00' | 270°55'07" | - | 226.96' |
| ③ | 60.00' | 28°52'24" | 15.45' | 30.24' |

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 37 | 486 |

REGISTERED CIVIL ENGINEER — DATE 12/24/12

PLANS APPROVAL DATE 7-22-13

REGISTERED PROFESSIONAL ENGINEER — PRAVEEN K.CHILAKAPATI — No. 76058 — Exp. 06/30/2014 — CIVIL — STATE OF CALIFORNIA

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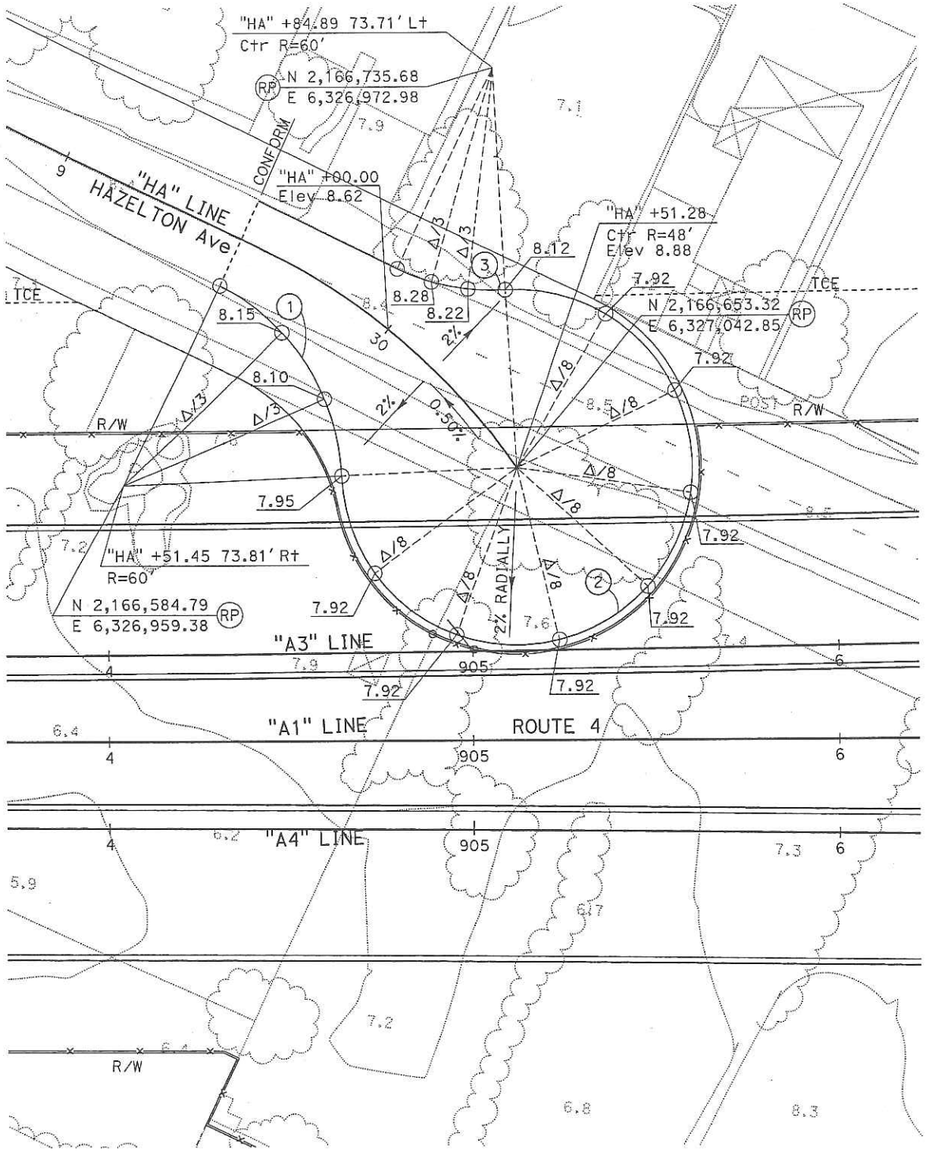
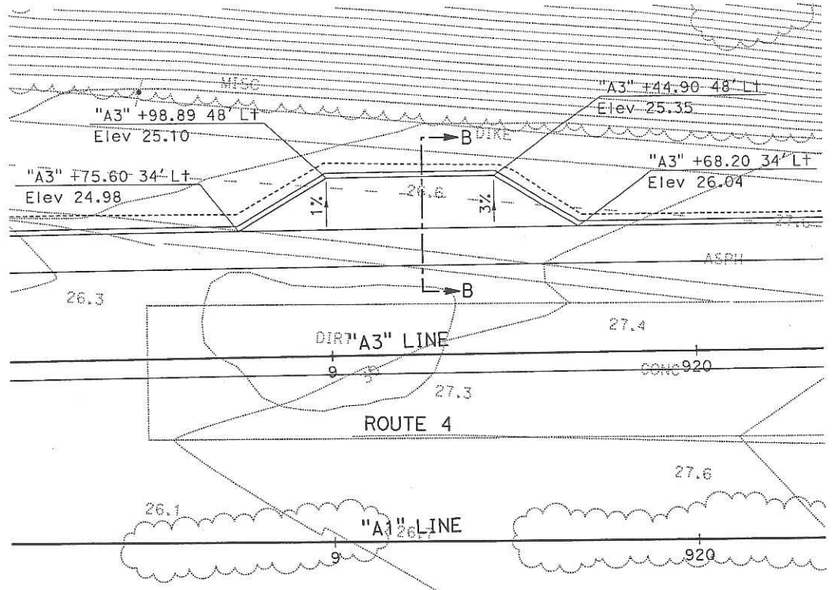
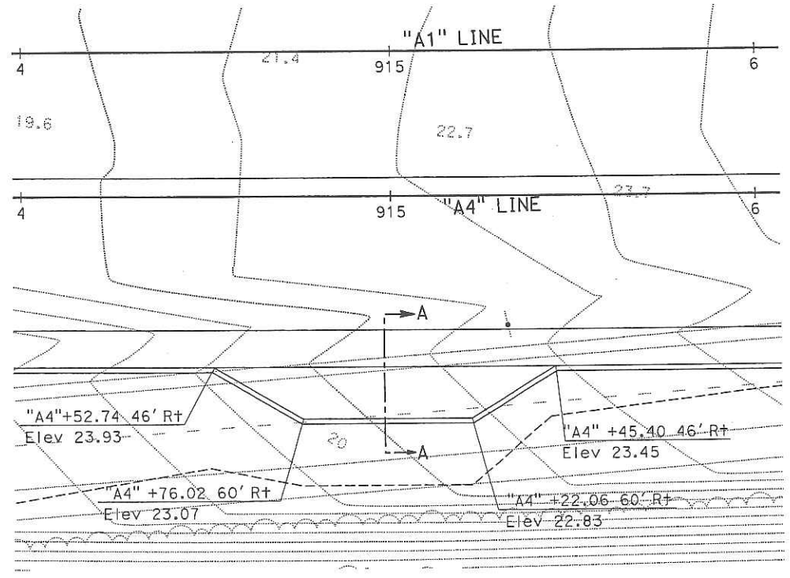
RAJAPPAN & MEYER
CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

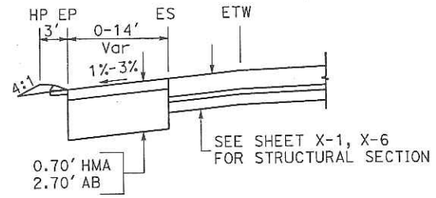
SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804



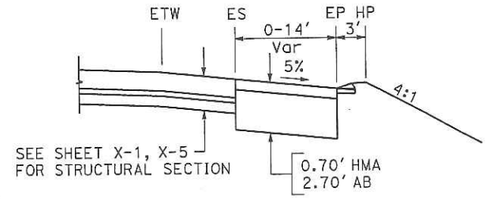

SCALE: 1" = 20'




"A3" LINE Sta 918+75.60 TO 919+68.20

SECTION B-B
NO SCALE




"A4" LINE Sta 914+76.02 TO 915+22.06

SECTION A-A
NO SCALE

# CONSTRUCTION DETAILS

SCALE: 1" = 20'

C-3

| REVISED BY | DATE REVISED |
|---|---|
| PRAVEEN CHILAKAPATI | |
| CALCULATED-DESIGNED BY | MARTHA DADALA |
| CHECKED BY | |
| CONSULTANT FUNCTIONAL SUPERVISOR | KEITH MEYER |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00 — DATE PLOTTED => 23-JUL-2013 — TIME PLOTTED => 09:53

BORDER LAST REVISED 7/2/2010 | USERNAME => s114926 | DGN FILE => 1000000229ga003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1455 | PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 56 | 486 |

12/24/12
REGISTERED CIVIL ENGINEER DATE

7-22-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARTHA M DADALA
No. 66275
Exp. 06/30/2014
CIVIL
STATE OF CALIFORNIA

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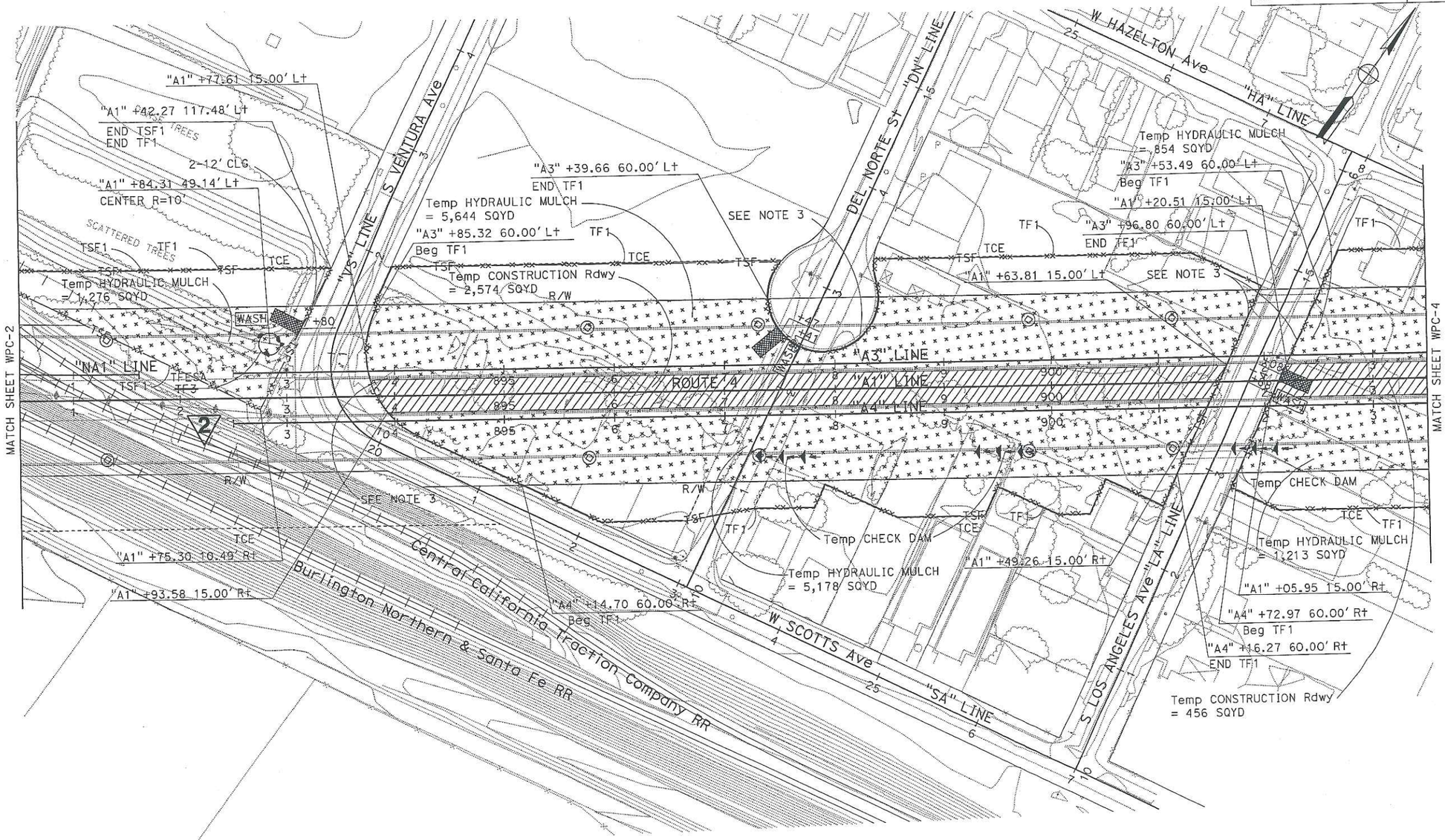
RAJAPPAN & MEYER
CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

NOTE:

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




## TEMPORARY WATER POLLUTION CONTROL PLAN
## (AFTER STAGE CONSTRUCTION STAGE 1A AND 1B)

SCALE: 1" = 50'

WPC-3

2 REPLACED PER ADDENDUM No. 2 DATED NOVEMBER 5, 2013

*APPROVED FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY*

| REVISED BY | DATE REVISED |
|---|---|
| | |

| CALCULATED-DESIGNED BY | CHECKED BY |
|---|---|
| ANDY CHAN | MARTHA DADALA |

CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION: DATE PLOTTED => 05-NOV-2013
00-00-00 TIME PLOTTED => 05:50

BORDER LAST REVISED 7/2/2010

USERNAME => s121614
DGN FILE => 10000002291gb003.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 57 | 486 |

12/24/12
REGISTERED CIVIL ENGINEER DATE

7-22-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — MARTHA M DADALA — No. 66275 — Exp. 06/30/2014 — CIVIL — STATE OF CALIFORNIA

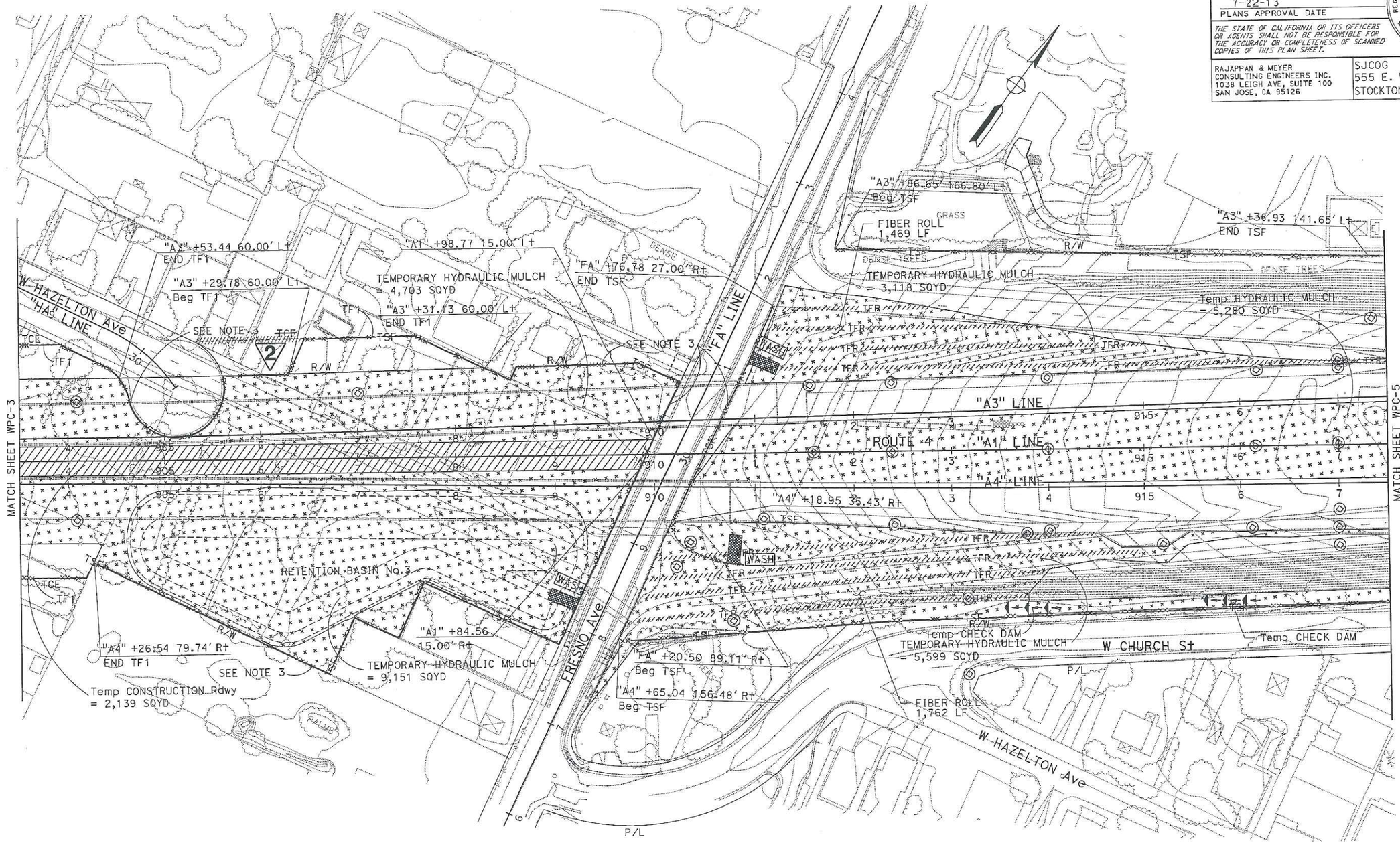
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

RAJAPPAN & MEYER
CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

NOTE:

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




2 REPLACED PER ADDENDUM No. 2 DATED NOVEMBER 5, 2013

# TEMPORARY WATER POLLUTION CONTROL PLAN
## (AFTER STAGE CONSTRUCTION STAGE 1A AND 3)

SCALE: 1" = 50'

WPC-4

*APPROVED FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY*

| REVISED BY | DATE REVISED |
|---|---|
| | |

CALCULATED-DESIGNED BY: ANDY CHAN
CHECKED BY: MARTHA DADALA
CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 05-NOV-2013
TIME PLOTTED => 05:50

BORDER LAST REVISED 7/2/2010
USERNAME => s121614
DGN FILE => 1000000229gb004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1455
PROJECT NUMBER & PHASE 10000002291

NOTE:

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

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 58 | 486 |

12/24/12
REGISTERED CIVIL ENGINEER DATE

7-22-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARTHA M DADALA
No. 66275
Exp. 06/30/2014
CIVIL
STATE OF CALIFORNIA

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1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

# TEMPORARY WATER POLLUTION CONTROL PLAN
## (AFTER STAGE CONSTRUCTION STAGE 1A AND 5)

SCALE: 1" = 50'

WPC-5

*APPROVED FOR TEMPORARY WATER POLLUTION CONTROL WORK ONLY*

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER
CALCULATED-DESIGNED BY: ANDY CHAN
CHECKED BY: MARTHA DADALA
REVISED BY
DATE REVISED

LAST REVISION 00-00-00 DIA TIML
TED => 23-JUL-2013
ITED => 09:58

BORDER LAST REVISED 7/2/2010
USERNAME => s113946
DGN FILE => 1000000229gb005.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1455
PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 65 | 486 |

LICENSED LANDSCAPE ARCHITECT

7-22-13
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT BRAD NELSON RLA 5526 Signature 2/28/2014 Renewal Date 12/24/2012 Date STATE OF CALIFORNIA

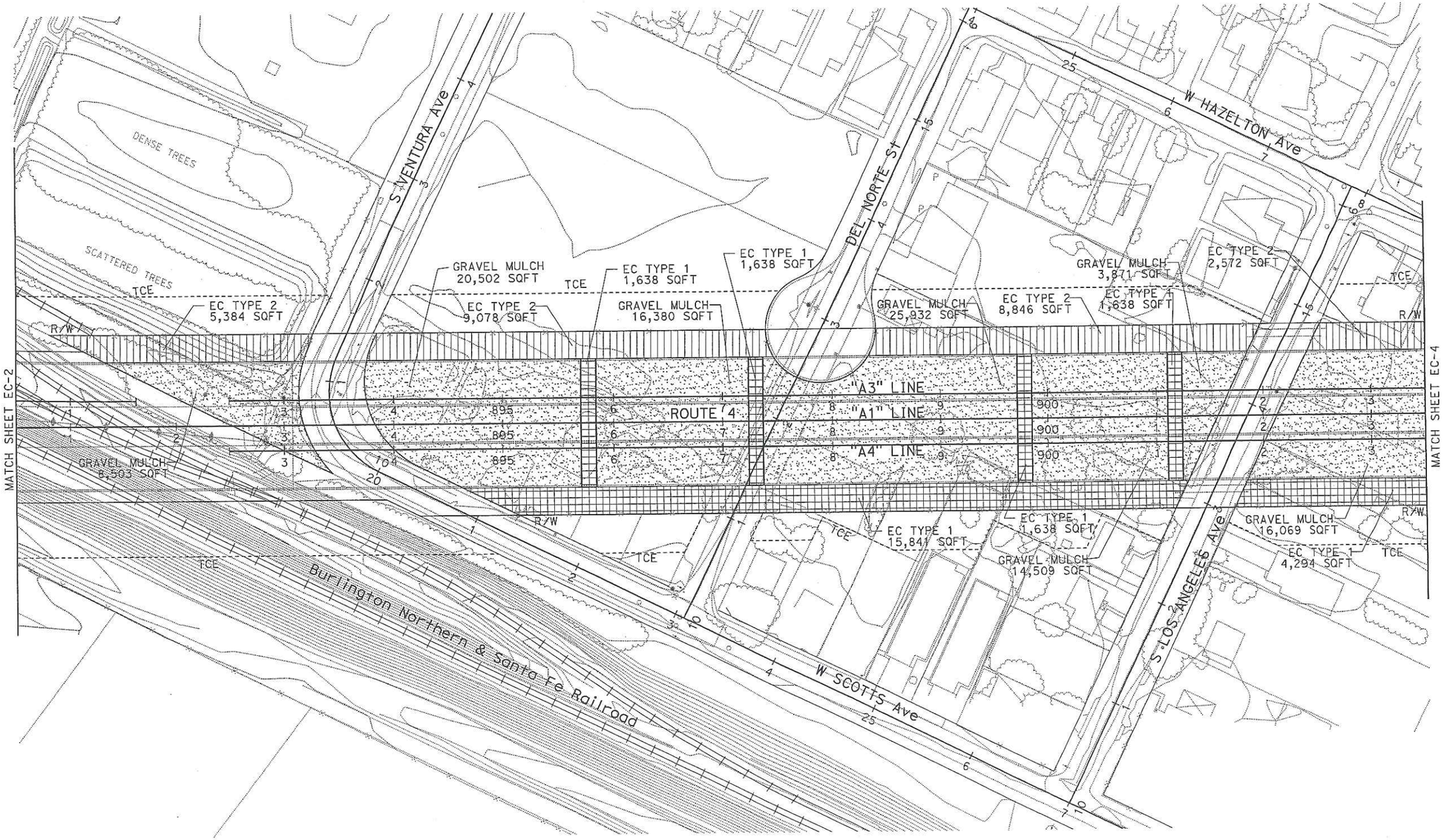
*THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.*

DERIVI CONSTRUCTION & ARCHITECTURE
924 N. YOSEMITE ST.
STOCKTON, CA 95203

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

NOTE:

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




# EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-3

*APPROVED FOR EROSION CONTROL WORK ONLY*

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT SENIOR LANDSCAPE ARCHITECT: LINDA DERIVI

CALCULATED-DESIGNED BY: BRAD NELSON & SHANNON BAKER

CHECKED BY: BRAD NELSON

REVISED BY

DATE REVISED

LAST REVISION 00-00-00

DATE PLOTTED => 23-JUL-2013
TIME PLOTTED => 09:58

BORDER LAST REVISED 7/2/2010

USERNAME => s113946
DGN FILE => 1000000229ge004.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

NOTE:

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

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 66 | 486 |

LICENSED LANDSCAPE ARCHITECT

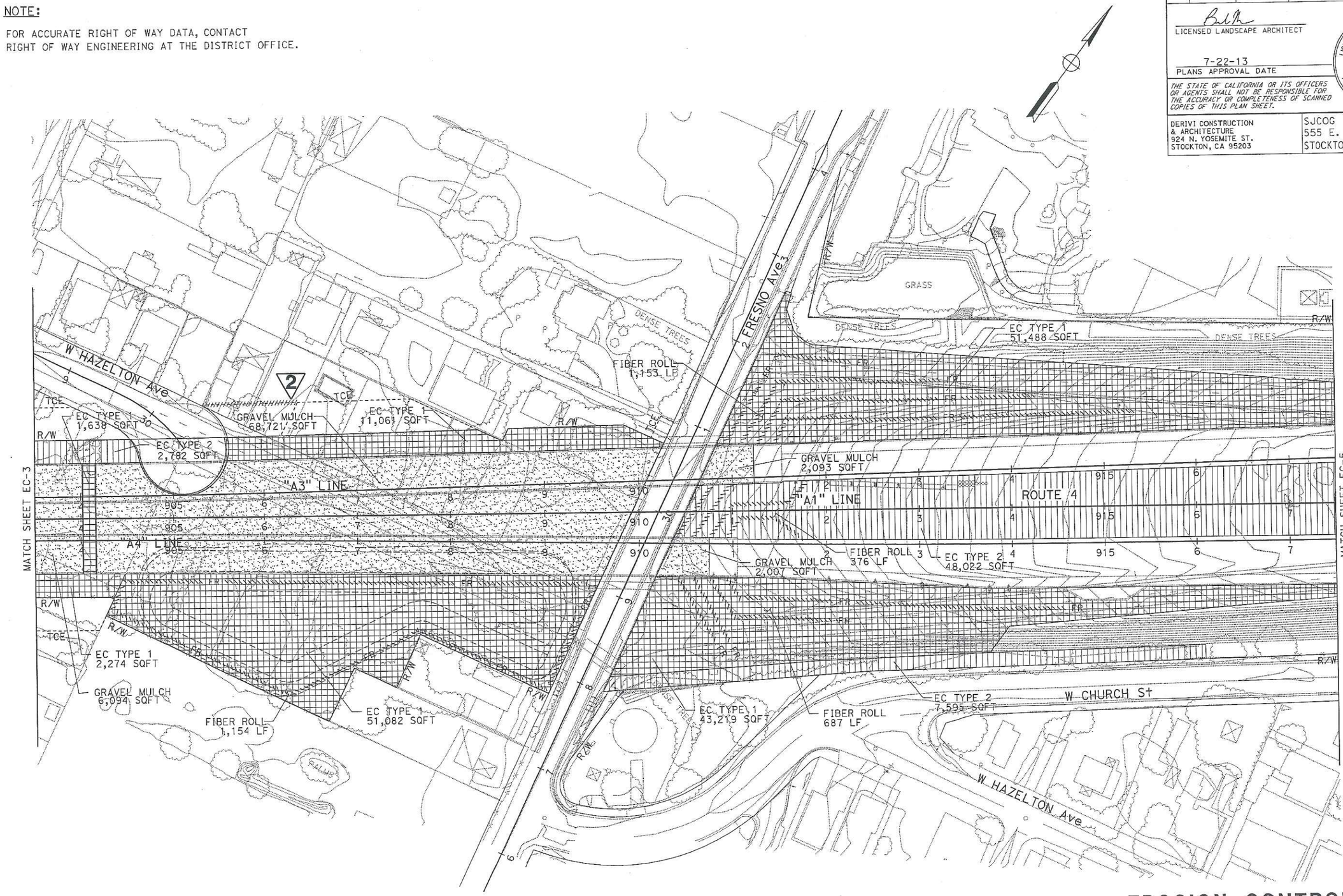
7-22-13
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT BRAD NELSON R.L.A. 5576 Signature's Date 2/28/2014 12/31/2012 STATE OF CALIFORNIA

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

DERIVI CONSTRUCTION
& ARCHITECTURE
924 N. YOSEMITE ST.
STOCKTON, CA 95203

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804




## EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-4

2 REPLACED PER ADDENDUM No. 2 DATED NOVEMBER 5, 2013

*APPROVED FOR EROSION CONTROL WORK ONLY*

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT SENIOR LANDSCAPE ARCHITECT: LINDA DERIVI

CALCULATED-DESIGNED BY: BRAD NELSON & SHANNON BAKER
CHECKED BY: BRAD NELSON

REVISED BY
DATE REVISED

LAST REVISION
DATE PLOTTED => 05-NOV-2013
TIME PLOTTED => 05:50
00-00-00

BORDER LAST REVISED 7/2/2010

USERNAME => s121614
DGN FILE => 1000000229ge005.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

NOTE:

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

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 67 | 486 |

LICENSED LANDSCAPE ARCHITECT

7-22-13
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT BRAD NELSON RLA 5576 Signature 2/28/2014 12/31/2012 STATE OF CALIFORNIA

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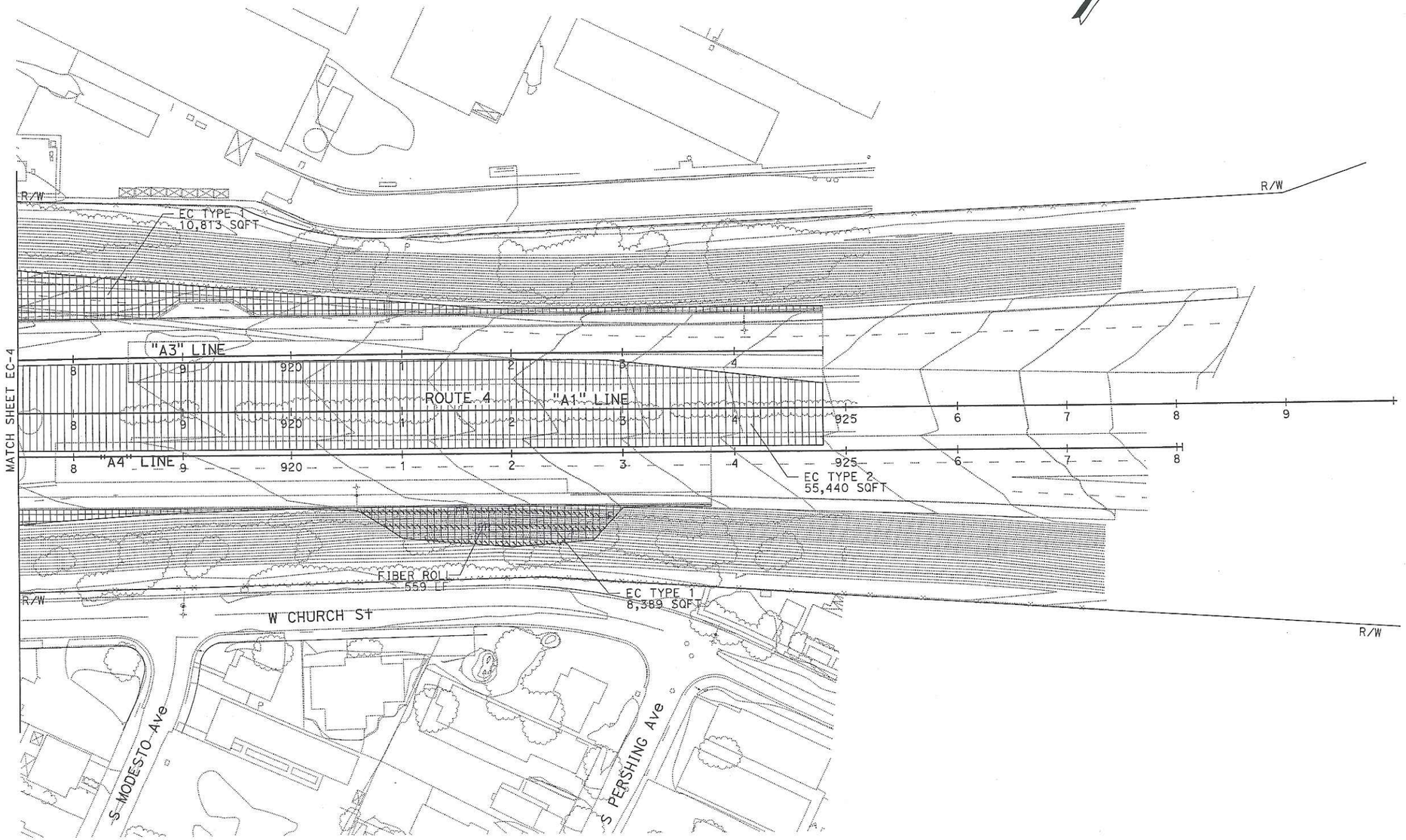
DERIVI CONSTRUCTION
& ARCHITECTURE
924 N. YOSEMITE ST.
STOCKTON, CA 95203

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804




## EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-5

*APPROVED FOR EROSION CONTROL WORK ONLY*

REVISED BY | DATE REVISED

BRAD NELSON & SHANNON BAKER | BRAD NELSON

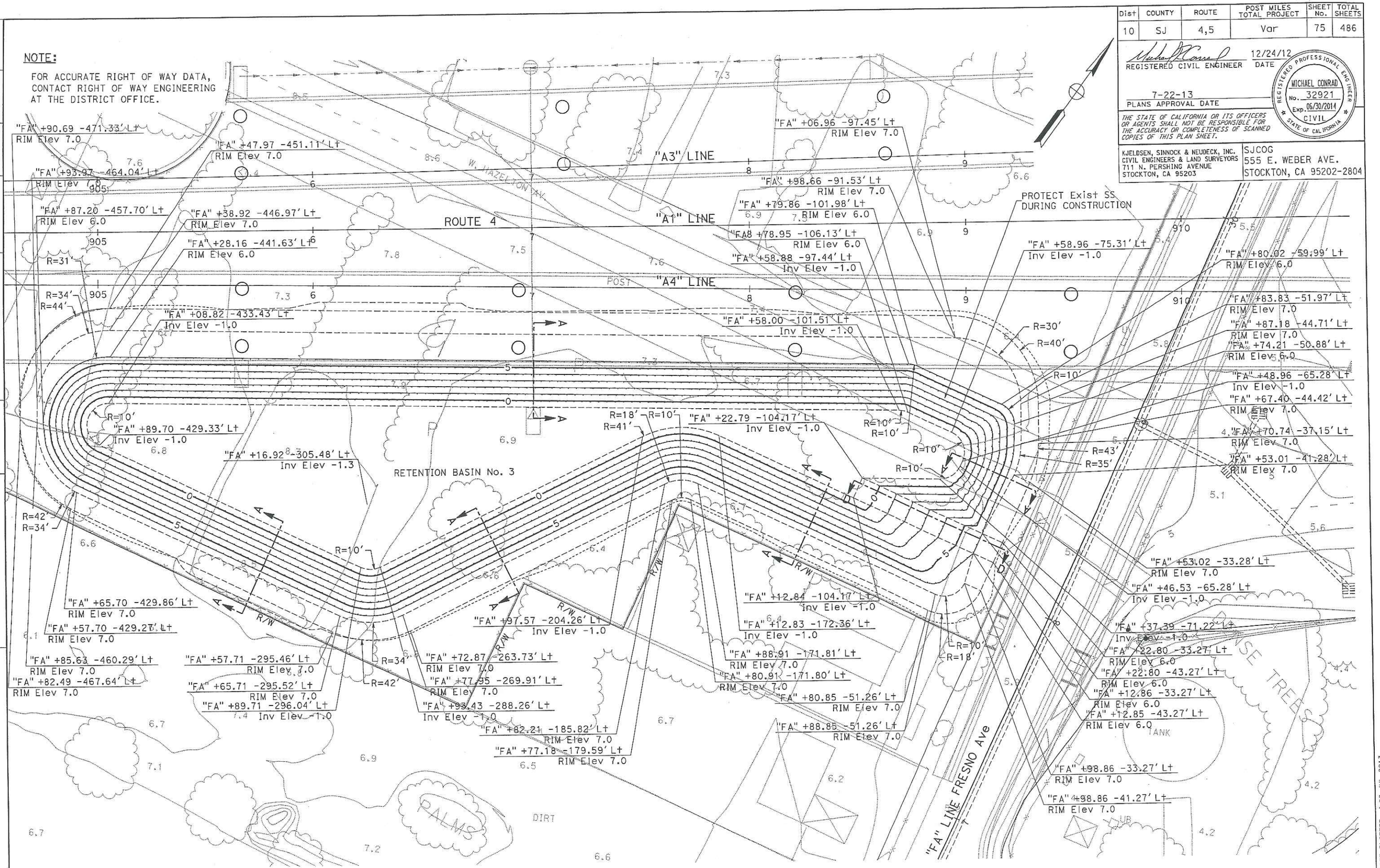
CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT SENIOR LANDSCAPE ARCHITECT | LINDA DERIVI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | Caltrans

LAST REVISION | DATE PLOTTED => 23-JUL-2013 | 00-00-00 | TIME PLOTTED => 09:59

BORDER LAST REVISED 7/2/2010 | USERNAME => s113946 | DGN FILE => 1000000229ge006.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1455 | PROJECT NUMBER & PHASE 10000002291




| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 75 | 486 |

REGISTERED CIVIL ENGINEER — DATE 12/24/12

7-22-13
PLANS APPROVAL DATE

MICHAEL CONRAD No. 32921 Exp. 06/30/2014 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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KJELDSEN, SINNOCK & NEUDECK, INC.
CIVIL ENGINEERS & LAND SURVEYORS
711 N. PERSHING AVENUE
STOCKTON, CA 95203

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

| REVISED BY | DATE REVISED |
|---|---|
| ELIZABETH REGAN | |
| CALCULATED-DESIGNED BY | MICHAEL CONRAD |
| CHECKED BY | |
| CONSULTANT FUNCTIONAL SUPERVISOR | STEPHEN SINNOCK |

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

# CONTOUR GRADING PLAN

SCALE: 1" = 20'

G-4

*APPROVED FOR CONTOUR GRADING WORK ONLY*

LAST REVISION: DATE PLOTTED => 23-JUL-2013
00-00-00 TIME PLOTTED => 10:00

BORDER LAST REVISED 7/2/2010

USERNAME => s113946
DGN FILE => 1000000229ha004.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 76 | 486 |

12/24/12
REGISTERED CIVIL ENGINEER DATE

7-22-13
PLANS APPROVAL DATE

MICHAEL CONRAD
No. 32921
Exp. 06/30/2014
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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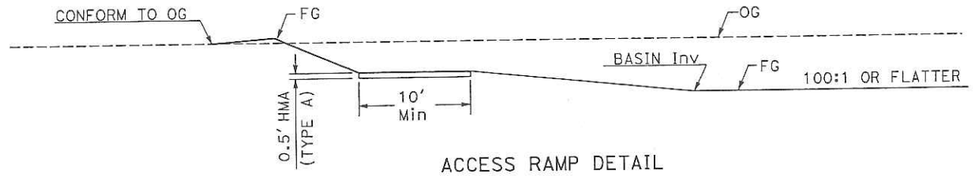
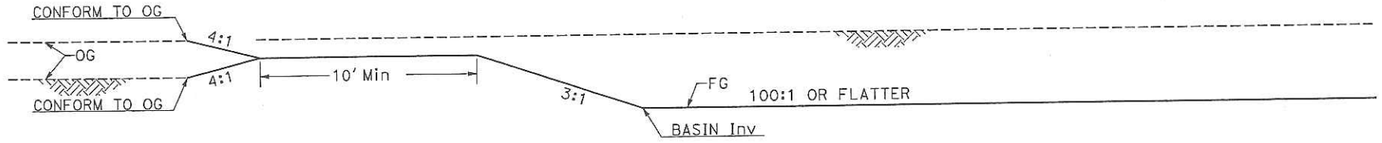
CIVIL ENGINEERS & LAND SURVEYORS
711 N. PERSHING AVENUE
STOCKTON, CA 95203

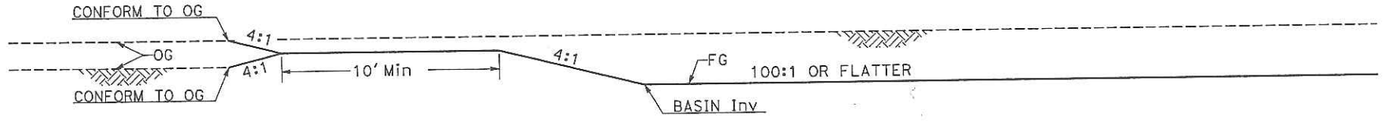
SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804



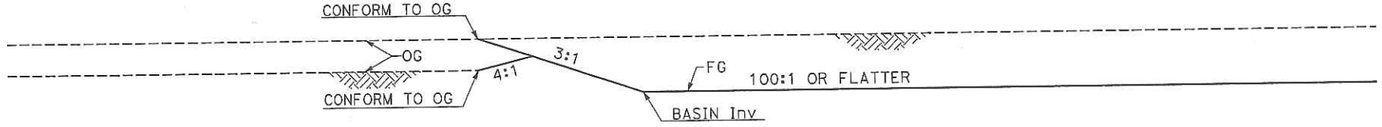

ACCESS RAMP DETAIL



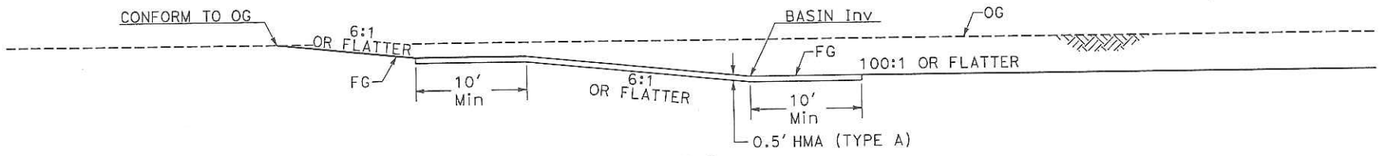

SECTION A-A




SECTION B-B




SECTION C-C




SECTION D-D

# CONTOUR GRADING SECTIONS

NO SCALE

G-5

*APPROVED FOR CONTOUR GRADING WORK ONLY*

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: STEPHEN SINNOCK
CALCULATED-DESIGNED BY: ELIZABETH REGAN
CHECKED BY: MICHAEL CONRAD
REVISED BY
DATE REVISED

LAST REVISION 00-00-00 DATE TIME
TED => 23-JUL-2013 ,ITED => 10:00

BORDER LAST REVISED 7/2/2010
USERNAME => s113946
DGN FILE => 1000000229ha005.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1455
PROJECT NUMBER & PHASE 10000002291

NOTE:

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

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 79 | 486 |

12/24/12
REGISTERED CIVIL ENGINEER DATE

7-22-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MARTHA M DADALA
No. 66275
Exp. 6/30/2014
CIVIL
STATE OF CALIFORNIA

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CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

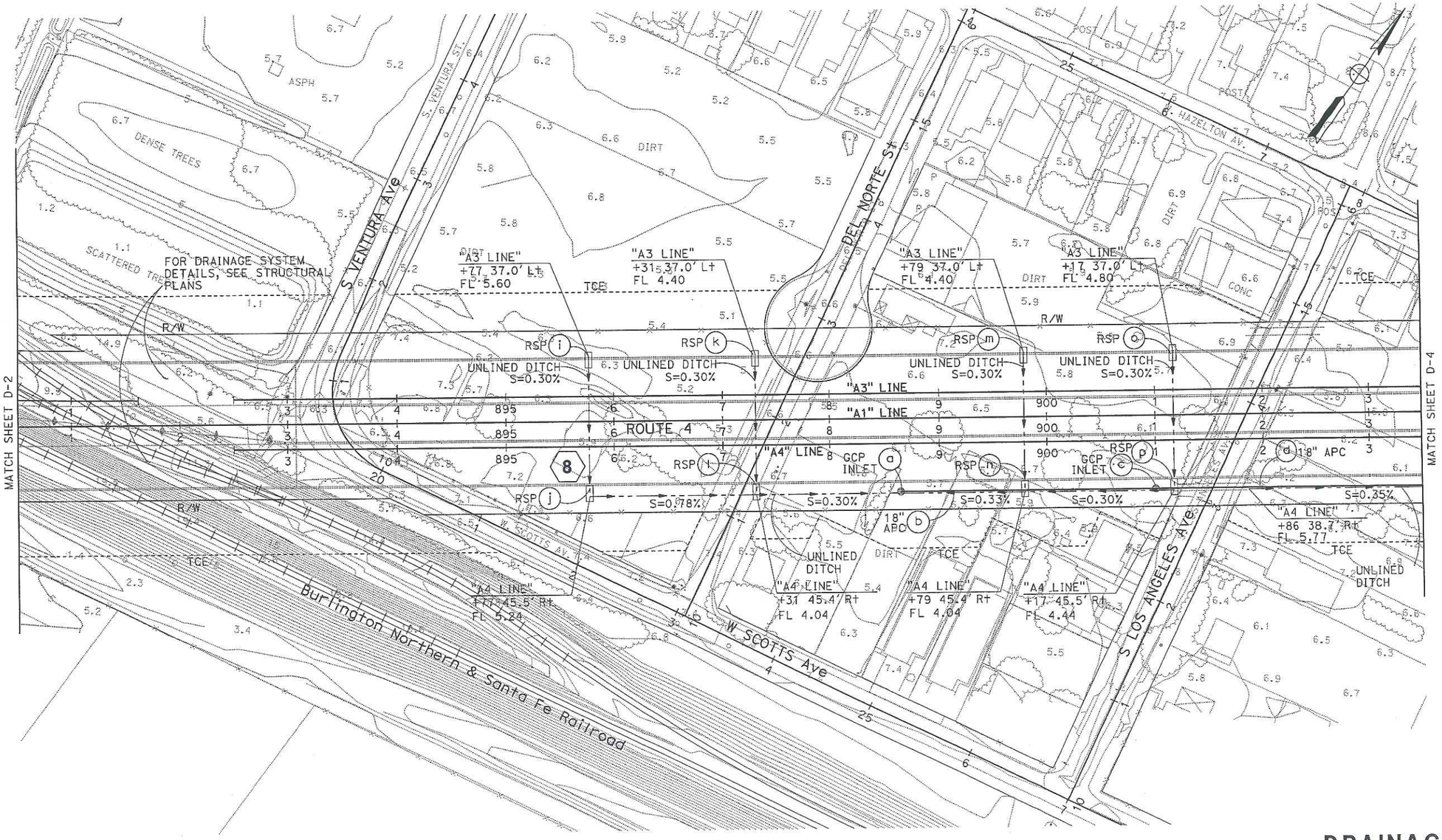
SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

| REVISED BY | DATE REVISED |
|---|---|
| | |

CALCULATED-DESIGNED BY: HUSAM ABURABI
CHECKED BY: MARTHA DADALA

CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans




## DRAINAGE PLAN

SCALE: 1" = 50'

**D-3**

APPROVED FOR DRAINAGE WORK ONLY

LAST REVISION: DATE PLOTTED => 23-JUL-2013
00-00-00 TIME PLOTTED => 10:00

BORDER LAST REVISED 7/2/2010 | USERNAME => s113946 | DGN FILE => 10000002291a003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1455 | PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 80 | 486 |

12/24/12
REGISTERED CIVIL ENGINEER — DATE

7-22-13
PLANS APPROVAL DATE

MARTHA M DADALA No. 66275 Exp. 6/30/2014 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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CONSULTING ENGINEERS INC.
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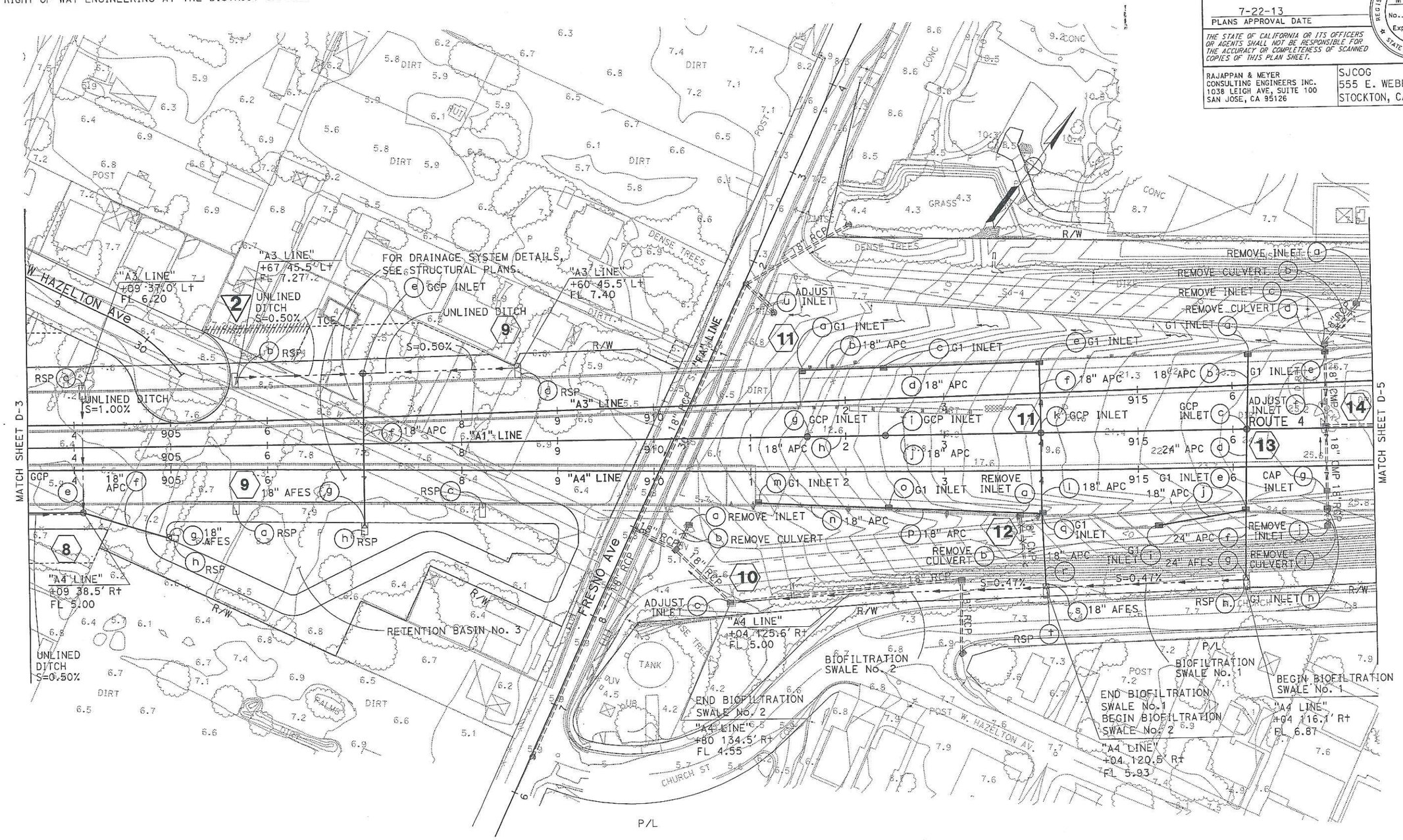
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

NOTE:

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




## DRAINAGE PLAN

SCALE: 1" = 50'

D-4

2 REPLACED PER ADDENDUM No. 2 DATED NOVEMBER 5, 2013

*APPROVED FOR DRAINAGE WORK ONLY*

| STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | CONSULTANT FUNCTIONAL SUPERVISOR | CALCULATED-DESIGNED BY | CHECKED BY | REVISED BY | DATE REVISED |
|---|---|---|---|---|---|
| Caltrans | KEITH MEYER | HUSAM ABURABI | MARTHA DADALA | | |

LAST REVISION 00-00-00 | DATE PLOTTED => 05-NOV-2013 | TIME PLOTTED => 05:50

BORDER LAST REVISED 7/2/2010 | USERNAME => s121614 | DGN FILE => 10000002291a004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1455 | PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 81 | 486 |

12/24/12
REGISTERED CIVIL ENGINEER — DATE

7-22-13
PLANS APPROVAL DATE

MARTHA M DADALA No. 66275 Exp. 6/30/2014 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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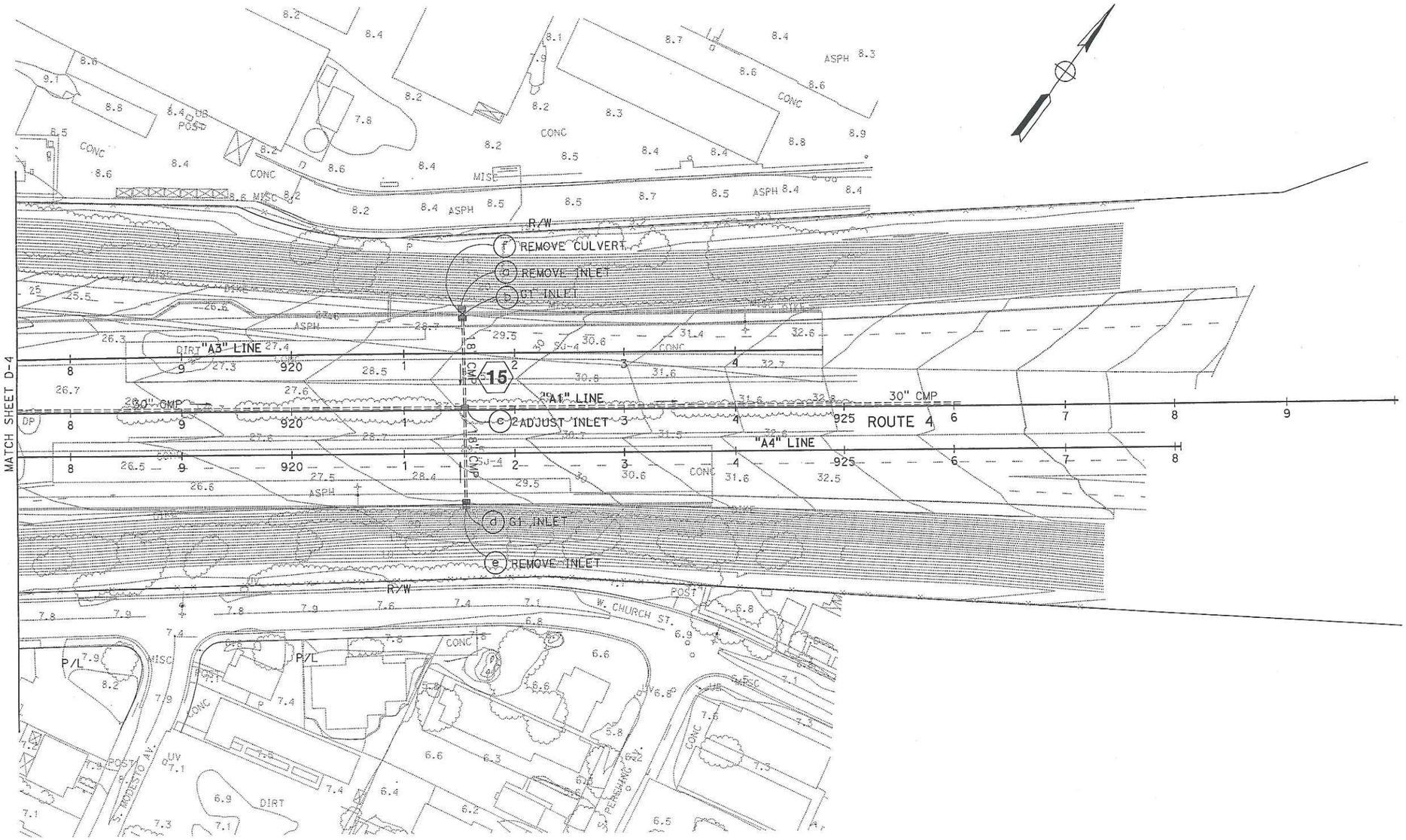
SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

NOTE:

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




# DRAINAGE PLAN

SCALE: 1" = 50'

**D-5**

*APPROVED FOR DRAINAGE WORK ONLY*

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

| | REVISED BY | DATE REVISED |
|---|---|---|
| CALCULATED-DESIGNED BY | HUSAM ABURABI | |
| CHECKED BY | MARTHA DADALA | |
| CONSULTANT FUNCTIONAL SUPERVISOR | KEITH MEYER | |

LAST REVISION: DATE PLOTTED => 23-JUL-2013
00-00-00 TIME PLOTTED => 10:06

BORDER LAST REVISED 7/2/2010

USERNAME => s113946
DGN FILE => 10000002291a005.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 89 | 486 |

REGISTERED CIVIL ENGINEER — DATE 12/24/12

PLANS APPROVAL DATE 7-22-13

REGISTERED PROFESSIONAL ENGINEER — MARTHA M DADALA — No. 66275 — Exp. 6/30/2014 — CIVIL — STATE OF CALIFORNIA

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SJCOG
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STOCKTON, CA 95202-2804

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: HUSAM ABURABI
CHECKED BY: MARTHA DADALA

CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TYPE GCP DI (H=2.0')
(a) GRATE TYPE 36R
GRATE FL Elev 3.66

36.75' Rt "A4" 898+65.00

FL Elev 1.66 S=0.4%

OG FG

(b) 18" x 232.0' APC

MATCH LINE A-A

## DRAINAGE SYSTEM No. 8

TYPE GCP DI (H=3.7')
GRATE TYPE 36R
GRATE FL Elev 4.37
(c)

36.75' Rt "A4" 901+00.00

2" WATER PIPE
TO BE RELOCATED
DURING CONSTRUCTION
TOP Elev 4.80
SEE UTILITY PLANS

3" GAS TO BE RELOCATED
DURING CONSTRUCTION
TOP Elev 3.45
SEE UTILITY PLANS

OG FG

MATCH LINE A-A

S=0.4% S=0.4%

FL Elev 0.69

FL Elev 0.67

Ex 10" SS LINE
FL Elev 0.45

(b) 18" x 232.0' APC

(d) 18" x 305.9' APC

MATCH LINE B-B

## DRAINAGE SYSTEM No. 8

TYPE GCP DI (H=5.6')
GRATE TYPE 36R
GRATE FL Elev 5.00
(e)

36.53' Rt "A4" 904+09.11

OG

18" AFES (g)

(h) RSP

MATCH LINE B-B

S=0.4%

(d) 18" x 305.9' APC

FL Elev -0.62

FL Elev -0.63

S=0.4%

(f) 18" x 88.0' APC

62.48' Rt "A4" 904+94.95
FL Elev -1.00

RETENTION BASIN No. 3
Inv Elev -1.00

## DRAINAGE SYSTEM No. 8

# DRAINAGE PROFILE

SCALE: Horiz 1" = 10'
Vert 1" = 10'

**DP-4**

STATION

CY Exc / Emb

TOTAL

LAST REVISION 00-00-00 DATE PLOTTED => 23-JUL-2013 TIME PLOTTED => 10:07

BORDER LAST REVISED 7/2/2010

USERNAME => s113946
DGN FILE => 10000002291b004.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 90 | 486 |

12/24/12
REGISTERED CIVIL ENGINEER — DATE

7-22-13
PLANS APPROVAL DATE

MARTHA M DADALA No. 66275 Exp. 6/30/2014 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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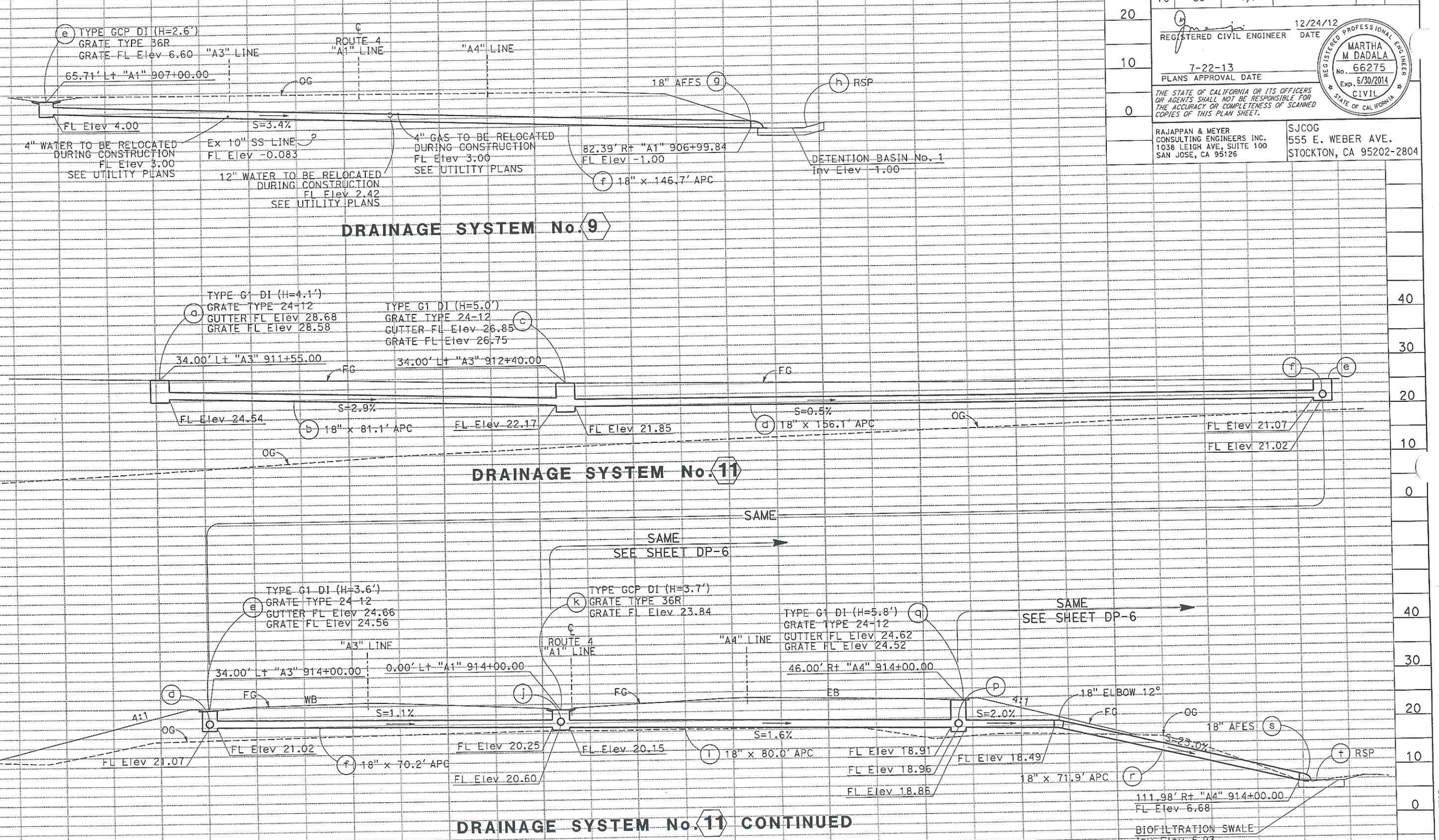
STOCKTON, CA 95202-2804




# DRAINAGE PROFILE

SCALE: Horiz 1" = 10'
Vert 1" = 10'

**DP-5**

REVISED BY | DATE REVISED
HUSAM ABURABI | MARTHA DADALA
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

STATION
CY Exc
Emb

LAST REVISION 00-00-00 DA: TED => 23-JUL-2013 TIME: PLOTTED => 10:07

TOTAL

BORDER LAST REVISED 7/2/2010

USERNAME => s113946
DGN FILE => 10000002291b005.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 91 | 486 |

12/24/12
REGISTERED CIVIL ENGINEER — DATE

MARTHA M DADALA
No. 66275
Exp. 5/30/2014
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

7-22-13
PLANS APPROVAL DATE

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SAN JOSE, CA 95126

SJCOG
555 E. WEBER AVE.
STOCKTON, CA 95202-2804

REVISED BY | DATE REVISED

HUSAM ABURABI | MARTHA DADALA
CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR
KEITH MEYER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

TYPE GCP DI (H=2.9')
(g) GRATE TYPE 36R
GRATE FL Elev 27.70

TYPE GCP DI (H=3.4')
GRATE TYPE 36R
(i) GRATE FL Elev 26.05

0.00' Lt "A1" 911+60.00
0.00' Lt "A1" 912+40.00
FG
S=2.1%
S=1.3%
FL Elev 24.80
(h) 18" x 76.5' APC
FL Elev 23.19
FL Elev 22.69
OG
(j) 18" x 156.5' APC
MATCH LINE A-A

## DRAINAGE SYSTEM No.11 CONTINUED

SAME
SEE SHEET DP-5
MATCH LINE A-A
(k) (f, j)
FL Elev 20.25
FL Elev 20.15
FL Elev 20.60
(j) 18" x 156.5' APC

## DRAINAGE SYSTEM No.11 CONTINUED

TYPE G1 DI (H=3.9')
(m) GRATE TYPE 24-12
GUTTER FL Elev 29.75
GRATE FL Elev 29.65
34.00' Rt "A4" 911+07.00
37.61' Rt "A4" 912+42.85
TYPE G1 DI (H=3.9')
(o) GRATE TYPE 24-12
GUTTER FL Elev 27.49
GRATE FL Elev 27.39
FG
S=1.7%
S=3.0%
FL Elev 25.86
(n) 18" x 132.3' APC
FL Elev 23.67
FL Elev 23.57
(p) 18" x 153.7' APC
OG
MATCH LINE B-B

## DRAINAGE SYSTEM No.11 CONTINUED

SAME
SEE SHEET DP-5
MATCH LINE B-B
(q)
FG
(l) (r)
OG
FL Elev 18.96
FL Elev 18.91
FL Elev 18.86
(p) 18" x 153.7' APC

## DRAINAGE SYSTEM No.11 CONTINUED

# DRAINAGE PROFILE

SCALE: Horiz 1" = 10'
Vert 1" = 10'

DP-6

STATION
CY Exc
CY Emb

LAST REVISION | DATE PLOTTED => 23-JUL-2013
00-00-00 | TIME PLOTTED => 10:07

BORDER LAST REVISED 7/2/2010

USERNAME => s113946
DGN FILE => 10000002291b006.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1455

PROJECT NUMBER & PHASE 10000002291

| Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 10 | SJ | 4,5 | Var | 92 | 486 |

REGISTERED CIVIL ENGINEER 12/24/12 DATE

7-22-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARTHA M DADALA No. 66275 Exp. 6/30/2014 CIVIL STATE OF CALIFORNIA

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CONSULTING ENGINEERS INC.
1038 LEIGH AVE, SUITE 100
SAN JOSE, CA 95126

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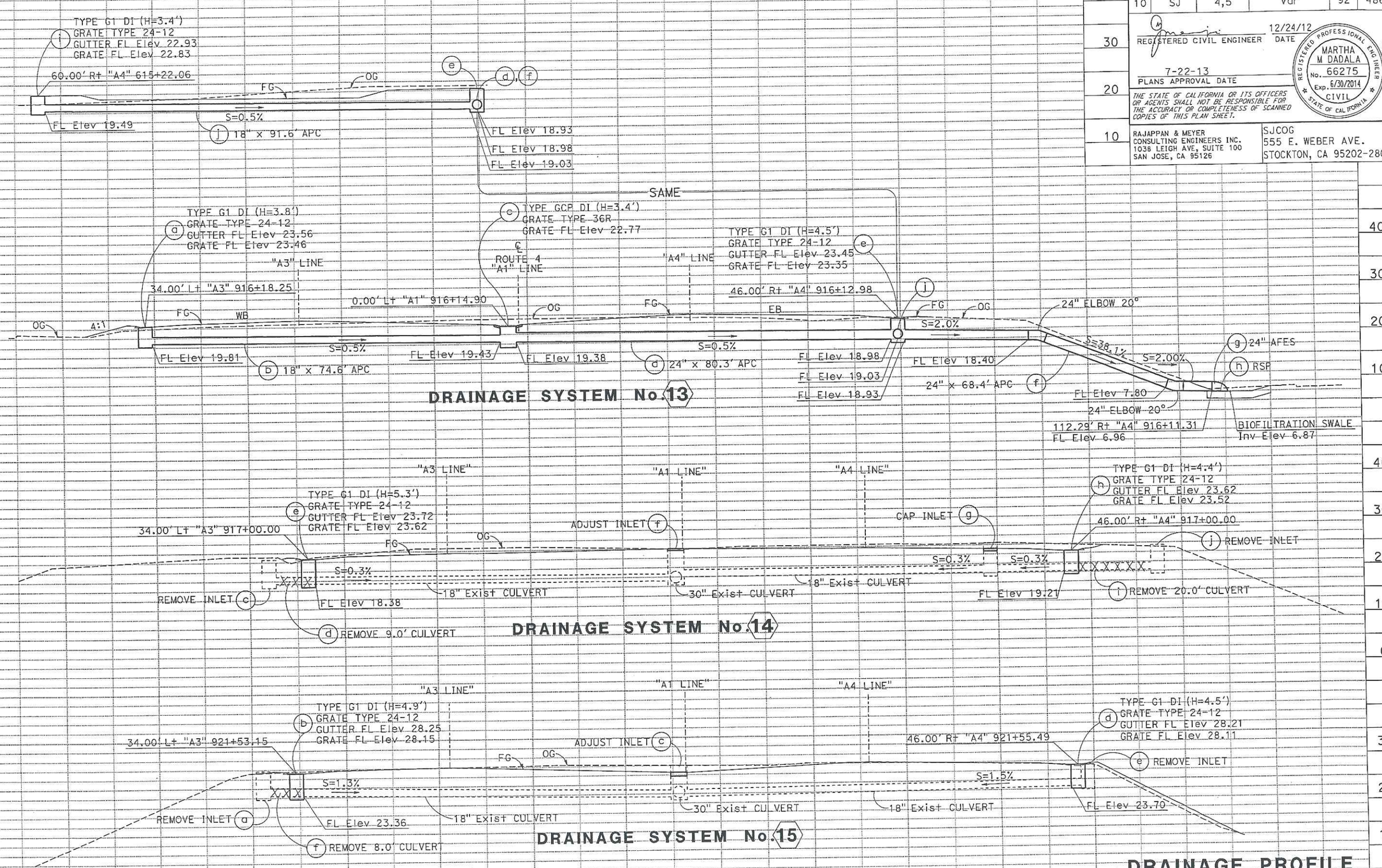
555 E. WEBER AVE.
STOCKTON, CA 95202-2804




# DRAINAGE PROFILE

SCALE: Horiz 1" = 10'
Vert 1" = 10'

DP-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: KEITH MEYER
CALCULATED-DESIGNED BY: HUSAM ABURABI
CHECKED BY: MARTHA DADALA
REVISED BY
DATE REVISED

STATION
CY Exc
Emb
TOTAL

LAST REVISION 00-00-00
DATE PLOTTED => 23-JUL-2013
TIME PLOTTED => 10:07

BORDER LAST REVISED 7/2/2010
USERNAME => s113946
DGN FILE => 1000000229ib007.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1455
PROJECT NUMBER & PHASE 10000002291