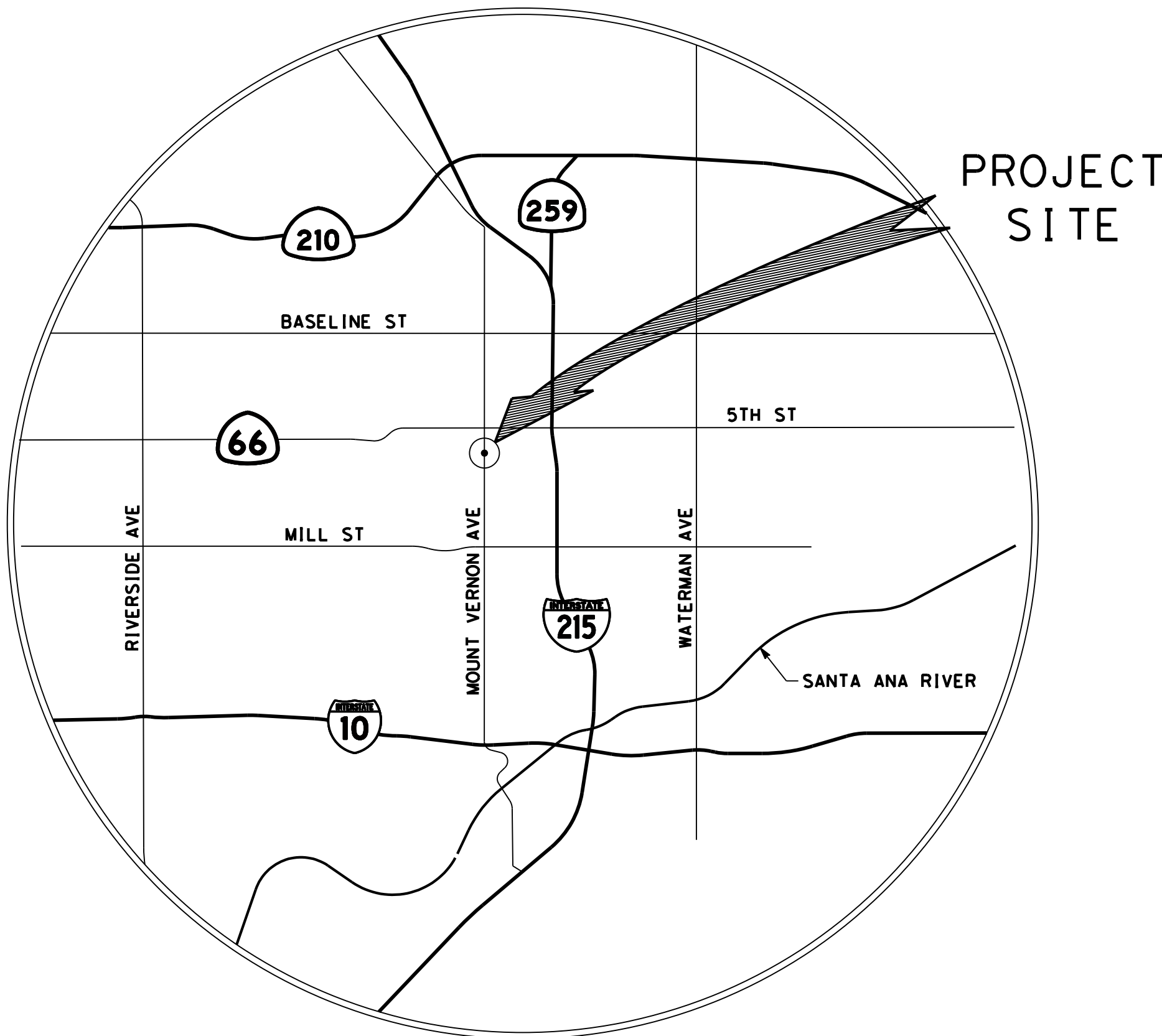


CITY OF SAN BERNARDINO  
IMPROVEMENT PLANS FOR CONSTRUCTION OF  
MOUNT VERNON AVENUE BRIDGE

GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK) LATEST EDITION WITH ALL SUPPLEMENTS AND CITY OF SAN BERNARDINO STANDARD DRAWINGS.
- APPROVAL OF THIS PLAN BY THE CITY OF SAN BERNARDINO DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR OF THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES WITHIN THE LIMITS OF THE PROJECT. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT 48 HOURS PRIOR TO START OF WORK.
- INSPECTION SHALL BE BY THE CITY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS. ALL REQUESTS FOR INSPECTION SHALL BE MADE AT LEAST 24 HOURS IN ADVANCE OF THE PROPOSED CONSTRUCTION.
- ALL JOIN LINES SHALL BE SAW CUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING, AND ALL BROKEN EDGES SHALL BE RECURT PRIOR TO PAVING.
- DURING THE PERIOD OF CONSTRUCTION, THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN SUCH WARNINGS, SIGNS, STOP SIGNS, BARRICADES AND OTHER SAFETY MEASURES IN CONFORMANCE WITH THE W.A.T.C.H. MANUAL.
- CONTRACTOR SHALL REINSTALL PAVEMENT MARKINGS, STRIPING AND SIGNING THAT HAS BEEN DISTURBED BY HIS OPERATION.
- THE CONTRACTOR SHALL PROVIDE SAFE AND CONTINUOUS PASSAGE FOR LOCAL PEDESTRIAN AND VEHICULAR TRAFFIC AT ALL TIMES.
- TRAFFIC SIGNAL FUNCTIONS SHALL BE THE RESPONSIBILITY OF THE CITY. HOWEVER, THE CONTRACTOR IS REQUIRED TO GIVE 48-HOUR NOTICE PRIOR TO CONSTRUCTION THAT WILL DAMAGE OR AFFECT ANY BURIED TRAFFIC DETECTORS OR OTHER UNDERGROUND FACILITIES.
- SHOULD ANY OF THE EXISTING UTILITIES OR ANY OTHER FACILITIES CONFLICT WITH THE PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND AWAIT THE RELOCATION AND/OR PROVIDE AN ALTERNATE DESIGN.
- THE CONTRACTOR SHALL SO CONDUCT HIS OPERATIONS AS TO OFFER THE LEAST POSSIBLE OBSTRUCTION AND INCONVENIENCE TO THE PUBLIC, AND HE SHALL HAVE UNDER CONSTRUCTION NO GREATER LENGTH OR AMOUNT OF WORK THAN HE CAN PROSECUTE PROPERLY WITH DUE REGARD TO THE RIGHTS OF THE PUBLIC.
- CONVENIENT ACCESS TO DRIVEWAYS, HOUSES, AND BUILDINGS ALONG THE LINE OF WORK SHALL BE MAINTAINED, AND TEMPORARY CROSSINGS SHALL BE PROVIDED AND MAINTAINED IN GOOD CONDITION. NOT MORE THAN ONE CROSSING OR INTERSECTING STREET OR ROAD SHALL BE CLOSED AT ANY ONE TIME WITHOUT THE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SUCH FENCES, BARRIERS, DIRECTIONAL SIGNS, LIGHTS, AND FLAGMEN AS ARE NECESSARY TO GIVE ADEQUATE WARNING TO THE PUBLIC AT ALL TIMES OF ANY DANGEROUS CONDITIONS TO BE ENCOUNTERED AS A RESULT OF THE CONSTRUCTION WORK AND TO GIVE DIRECTIONS TO THE PUBLIC.
- THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID INJURY TO EXISTING IMPROVEMENTS OR FACILITIES, UTILITY FACILITIES, ADJACENT PROPERTY, AND TREES AND SHRUBBERY THAT ARE NOT TO BE REMOVED.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK, AND THE CONTRACTOR SHALL FULLY COMPLY WITH ALL STATE AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDERS RELATING TO SAFETY TO THE PUBLIC AND WORKMEN.
- DUST SHALL BE CONTROLLED AT ALL TIMES BY APPROVED METHODS.
- PUBLIC STREETS SHALL BE KEPT CLEAN AND FREE FROM DIRT AND/OR DEBRIS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED IN STREET CLEANING NECESSITATED BY HIS OPERATION.
- FULL STREET CLOSURE WILL NOT BE PERMITTED UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE DIRECTOR OF PUBLIC WORKS/CITY ENGINEER. 48 HOUR NOTICE WILL BE REQUIRED TO THE CITY AND AFFECTED PROPERTY OWNERS PRIOR TO ANY CLOSURE.
- STREET CUT PERMITS MUST BE OBTAINED FROM THE PUBLIC SERVICES DEPARTMENT.
- CAL-OSHA PERMITS SHALL BE REQUIRED FOR ANY TRENCH WORK OVER 5' IN DEPTH. EVIDENCE MUST BE PRESENTED TO THE CITY PRIOR TO PERMIT ISSUANCE.



VICINITY MAP  
NTS

ABBREVIATIONS

|            |                                    |
|------------|------------------------------------|
| APPROX     | APPROXIMATE                        |
| CAB        | CRUSHED AGGREGATE BASE             |
| CL         | CENTER LINE                        |
| DWY        | DRIVEWAY                           |
| EXIST      | EXISTING                           |
| HMA        | HOT MIX ASPHALT                    |
| MIN        | MINIMUM                            |
| NTS        | NOT TO SCALE                       |
| OG         | ORIGINAL GRADE                     |
| PCC        | PORTLAND CEMENT CONCRETE           |
| PG         | PROFILE GRADE                      |
| PROP       | PROPOSED                           |
| R/W        | RIGHT OF WAY                       |
| STA        | STATION                            |
| STD        | STANDARD                           |
| W.A.T.C.H. | WORK AREA TRAFFIC CONTROL HANDBOOK |

CONSTRUCTION NOTES

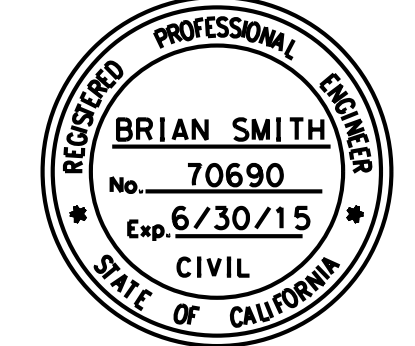
- SAWCUT EXISTING PAVEMENT
- CONSTRUCT X" HMA OVER X" CAB (MAIN)
- CONSTRUCT Y" HMA OVER Y" CAB (LOCAL)
- CONSTRUCT Z" HMA OVER Z" CAB (DWY/LOT)
- CONSTRUCT HMA OVERLAY (2" MIN THICKNESS)
- COLD PLANE (2" DEEP) EXISTING PAVEMENT
- APPLY SLURRY SEAL TO EXISTING PAVEMENT
- CONSTRUCT 8" PCC CURB AND GUTTER TYPE "B" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 200
- CONSTRUCT 6" PCC CURB AND GUTTER TYPE "C" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 200
- CONSTRUCT 6" PCC CURB TYPE "A" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 200
- CONSTRUCT PCC CROSS GUTTER PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 201
- CONSTRUCT PCC SIDEWALK CASE "A" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 202
- CONSTRUCT PCC RESIDENTIAL DRIVEWAY APPROACH PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 203
- CONSTRUCT PCC COMMERCIAL DRIVEWAY APPROACH PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 204
- CONSTRUCT PCC CURB RAMP PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 205
- CONSTRUCT CURB RAMP CASE C PER CALTRANS STD PLAN A88A
- CONSTRUCT CURB RAMP CASE F PER CALTRANS STD PLAN A88A
- CONSTRUCT CURB RAMP CASE CM PER CALTRANS STD PLAN A88B
- CONSTRUCT PASSAGEWAY TYPE C PER CALTRANS STD PLAN A88B AND DETAIL X ON SHEET X
- CONSTRUCT RETAINING CURB PER DETAIL X ON SHEET X
- CONSTRUCT STAIRS PER DETAIL X ON SHEET X

SHEET

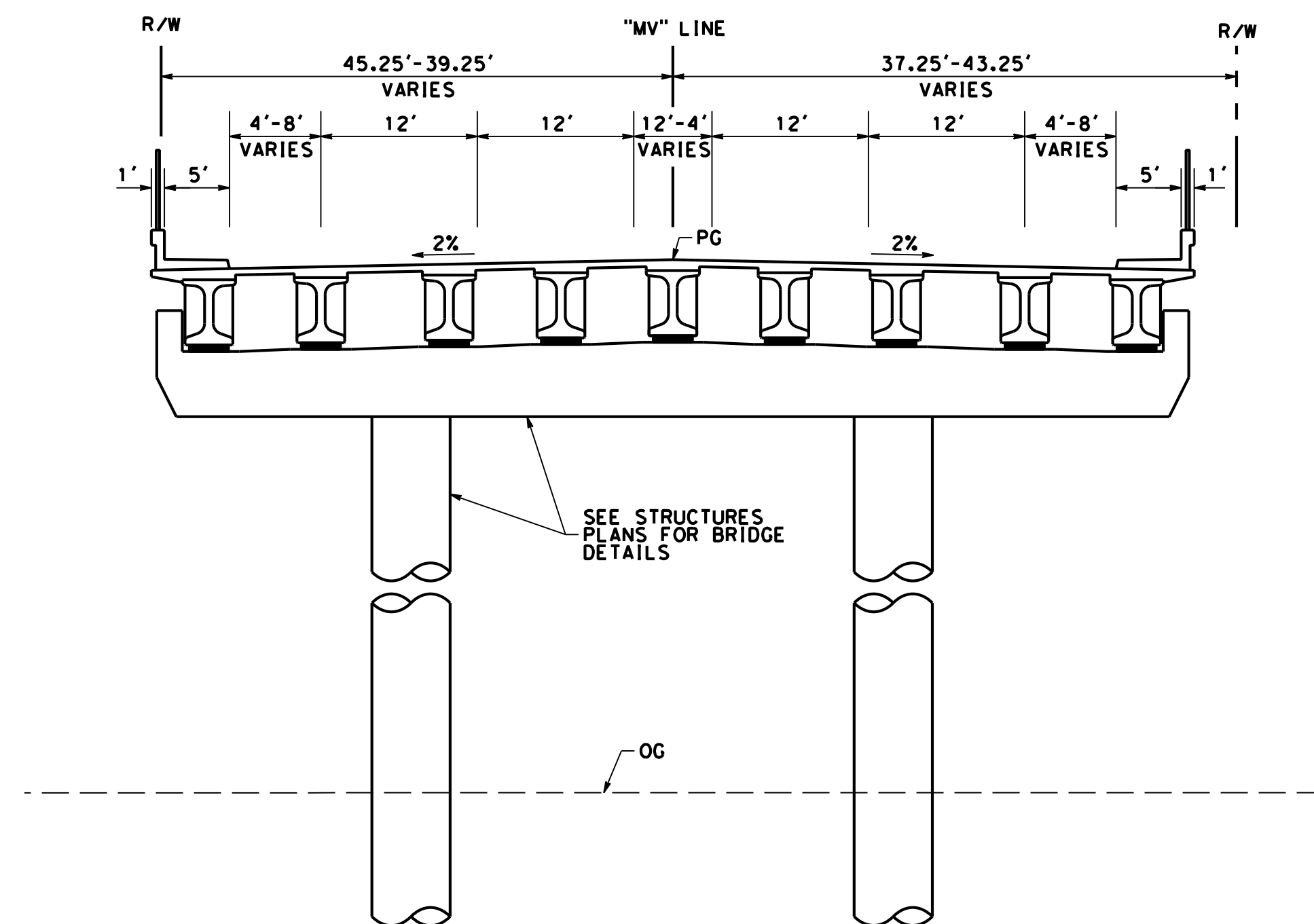
TITLE/DESCRIPTION

|              |                           |
|--------------|---------------------------|
| 1            | TITLE SHEET               |
| X-1 TO X-2   | TYPICAL SECTIONS          |
| RM-1 TO RM-2 | ROADWAY REMOVALS          |
| L-1 TO L-4   | ROADWAY LAYOUT            |
| P-1 TO P-3   | ROADWAY PROFILE           |
| C-1 TO C-3   | CONSTRUCTION DETAILS      |
| D-1 TO D-2   | STORM DRAIN LAYOUT        |
| DP-1 TO DP-2 | STORM DRAIN PROFILE       |
| G-1 TO G-2   | CONTOUR GRADING           |
| CS-1         | CONSTRUCTION AREA SIGNS   |
| MI-1         | MOTORIST INFORMATION PLAN |
| S-1 TO S-3   | SIGNING AND STRIPING      |
| U-1 TO U-2   | UTILITIES                 |
| XX TO XX     | STRUCTURES                |

30% SUBMITTAL

|                                                                                                                                                                                                 |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                  |      |           |    |      |      |                                                                                                                                 |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |               |                      |         |       |     |         |           |         |             |  |                 |  |                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|----|------|------|---------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|---------------|----------------------|---------|-------|-----|---------|-----------|---------|-------------|--|-----------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Underground Service Alert<br/>Call: TOLL FREE<br/>1-800-422-4133<br/>TWO WORKING DAYS BEFORE YOU DIG</p> |  <p><b>AECOM</b><br/>901 VIA PIEMONTE<br/>5TH FLOOR<br/>ONTARIO, CA 91764<br/>APPROVED BY: _____ DATE: _____</p> | <table><tr><td>MARK</td><td>REVISIONS</td><td>BY</td><td>APPR</td><td>DATE</td></tr><tr><td colspan="5">BENCHMARK:<br/>CITY OF SAN BERNARDINO B7-1<br/>USC &amp; GS DESIGNATION: H-524 RESET 1962<br/>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</td></tr></table> | MARK | REVISIONS | BY | APPR | DATE | BENCHMARK:<br>CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |  |  |  |  |  <table><tr><td>APPROVED</td><td>2012</td></tr><tr><td>CITY ENGINEER</td><td>ROBERT G. EISENBEISZ</td></tr><tr><td>RCE NO.</td><td>54931</td></tr><tr><td>EXP</td><td>6-30-15</td></tr><tr><td>DRAWN BY:</td><td>A. CADD</td></tr><tr><td>CHECKED BY:</td><td></td></tr><tr><td>RECOMMENDED BY:</td><td></td></tr></table> | APPROVED | 2012 | CITY ENGINEER | ROBERT G. EISENBEISZ | RCE NO. | 54931 | EXP | 6-30-15 | DRAWN BY: | A. CADD | CHECKED BY: |  | RECOMMENDED BY: |  | <p><b>CITY OF SAN BERNARDINO</b><br/>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING<br/><b>MOUNT VERNON GRADE SEPARATION<br/>BRIDGE REPLACEMENT</b></p> <p>DRAWING NO. _____<br/>SHEET ____ OF ____ SHEETS<br/>FOR CITY USE ONLY: FILE NO. _____ W.O. NO. _____</p> |
| MARK                                                                                                                                                                                            | REVISIONS                                                                                                                                                                                           | BY                                                                                                                                                                                                                                                               | APPR | DATE      |    |      |      |                                                                                                                                 |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |               |                      |         |       |     |         |           |         |             |  |                 |  |                                                                                                                                                                                                                                                                    |
| BENCHMARK:<br>CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)                                                                 |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                  |      |           |    |      |      |                                                                                                                                 |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |               |                      |         |       |     |         |           |         |             |  |                 |  |                                                                                                                                                                                                                                                                    |
| APPROVED                                                                                                                                                                                        | 2012                                                                                                                                                                                                |                                                                                                                                                                                                                                                                  |      |           |    |      |      |                                                                                                                                 |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |               |                      |         |       |     |         |           |         |             |  |                 |  |                                                                                                                                                                                                                                                                    |
| CITY ENGINEER                                                                                                                                                                                   | ROBERT G. EISENBEISZ                                                                                                                                                                                |                                                                                                                                                                                                                                                                  |      |           |    |      |      |                                                                                                                                 |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |               |                      |         |       |     |         |           |         |             |  |                 |  |                                                                                                                                                                                                                                                                    |
| RCE NO.                                                                                                                                                                                         | 54931                                                                                                                                                                                               |                                                                                                                                                                                                                                                                  |      |           |    |      |      |                                                                                                                                 |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |               |                      |         |       |     |         |           |         |             |  |                 |  |                                                                                                                                                                                                                                                                    |
| EXP                                                                                                                                                                                             | 6-30-15                                                                                                                                                                                             |                                                                                                                                                                                                                                                                  |      |           |    |      |      |                                                                                                                                 |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |               |                      |         |       |     |         |           |         |             |  |                 |  |                                                                                                                                                                                                                                                                    |
| DRAWN BY:                                                                                                                                                                                       | A. CADD                                                                                                                                                                                             |                                                                                                                                                                                                                                                                  |      |           |    |      |      |                                                                                                                                 |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |               |                      |         |       |     |         |           |         |             |  |                 |  |                                                                                                                                                                                                                                                                    |
| CHECKED BY:                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                  |      |           |    |      |      |                                                                                                                                 |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |               |                      |         |       |     |         |           |         |             |  |                 |  |                                                                                                                                                                                                                                                                    |
| RECOMMENDED BY:                                                                                                                                                                                 |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                  |      |           |    |      |      |                                                                                                                                 |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |               |                      |         |       |     |         |           |         |             |  |                 |  |                                                                                                                                                                                                                                                                    |

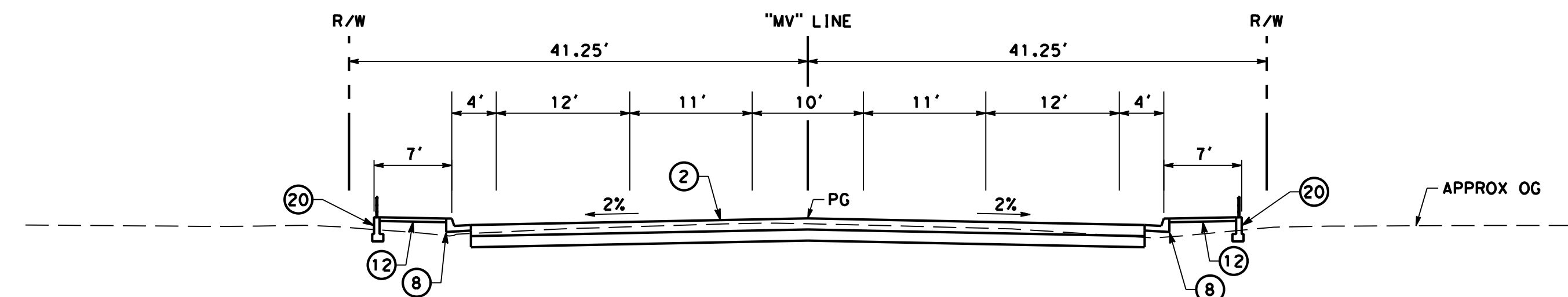




**MOUNT VERNON AVENUE**  
 "MV" STA 19+74.34 TO "MV" STA 30+14.34  
 NTS

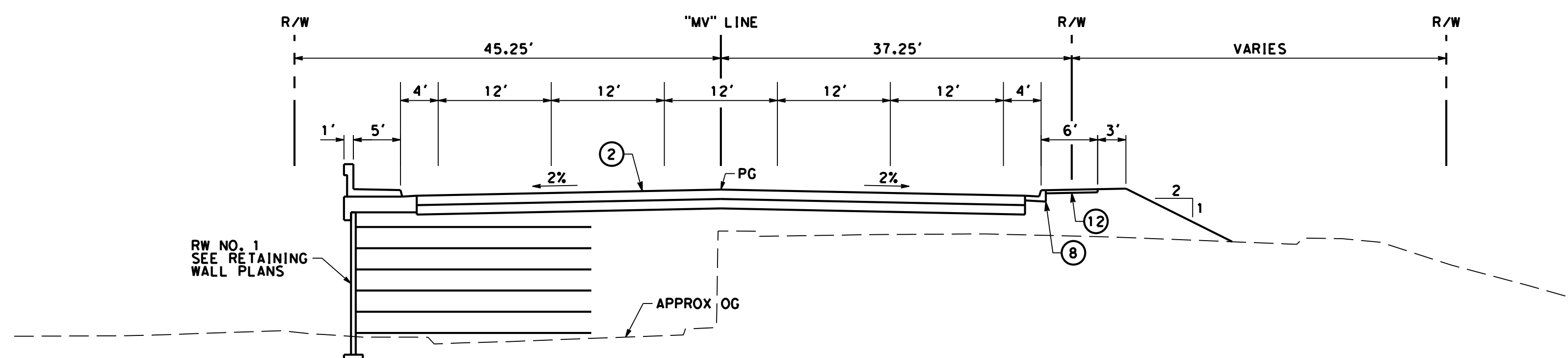
**CONSTRUCTION NOTES**

- ② CONSTRUCT 8" HMA OVER 8" CAB (MAIN)
- ⑧ CONSTRUCT 8" PCC CURB AND GUTTER TYPE "B" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 200
- ⑫ CONSTRUCT PCC SIDEWALK CASE "A" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 202
- ⑳ CONSTRUCT RETAINING CURB PER DETAIL X ON SHEET X



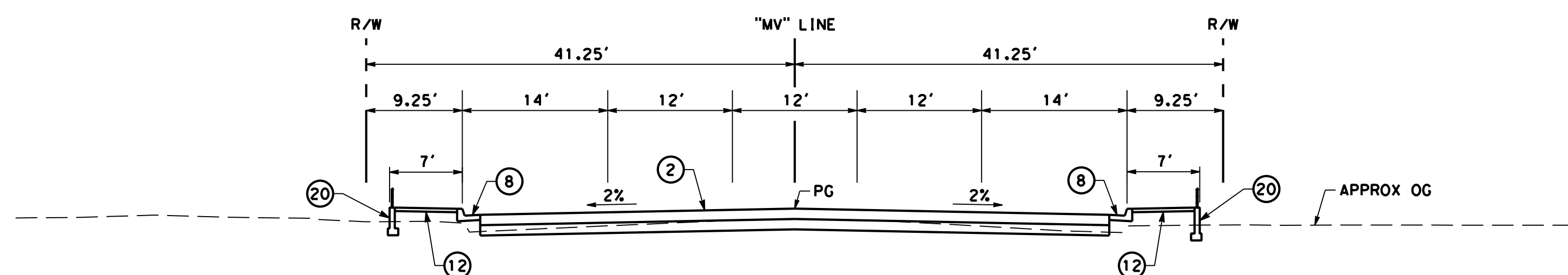
**MOUNT VERNON AVENUE**  
 "MV" STA 34+15.01 TO "MV" STA 36+36.00  
 NTS

**KINGMAN STREET INTERSECTION**  
 "MV" STA 33+55.01 TO "MV" STA 34+15.01  
 NTS

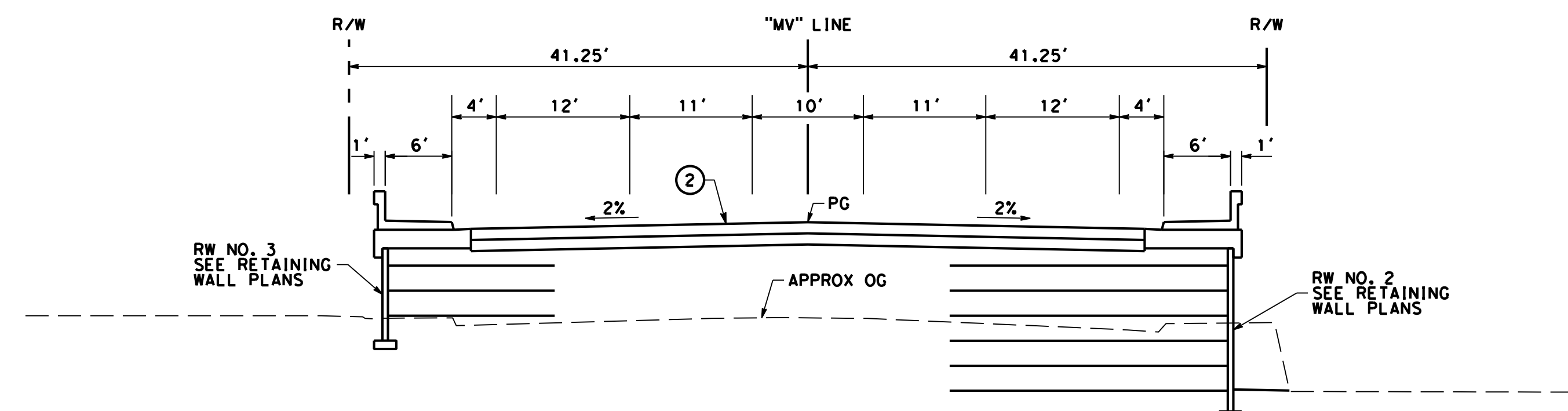


**MOUNT VERNON AVENUE**  
 "MV" STA 17+66.78 TO "MV" STA 19+74.34  
 NTS

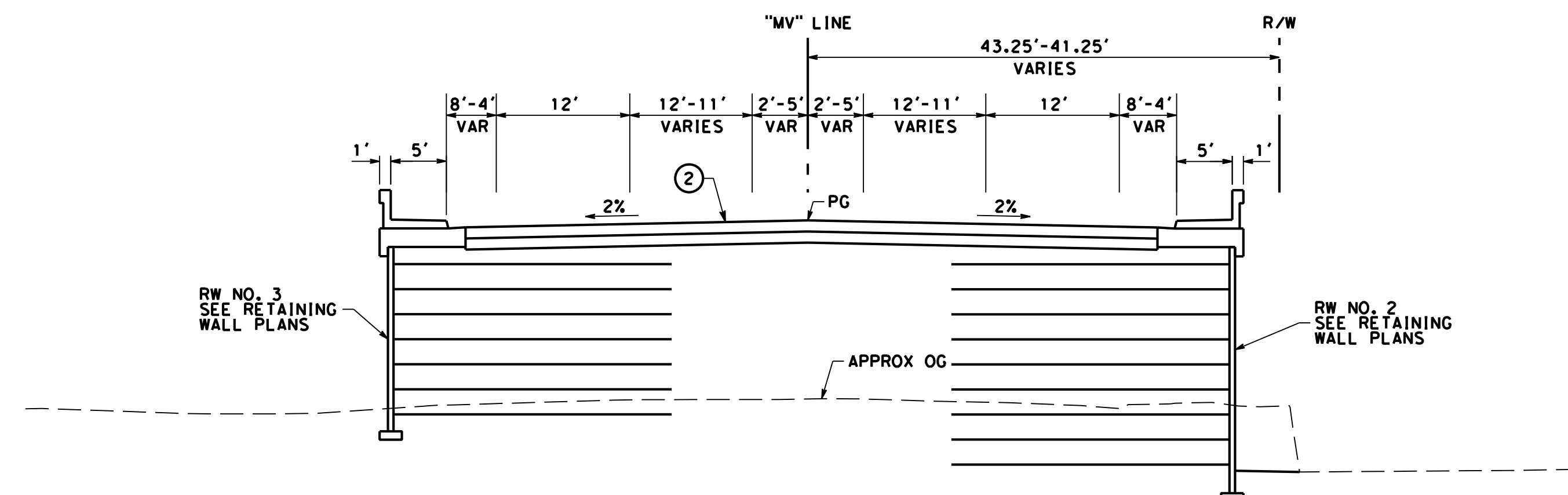
**2ND STREET INTERSECTION**  
 "MV" STA 15+52.73 TO "MV" STA 17+66.78  
 NTS



**MOUNT VERNON AVENUE**  
 "MV" STA 13+83.00 TO "MV" STA 15+52.73  
 NTS



**MOUNT VERNON AVENUE**  
 "MV" STA 32+34.58 TO "MV" STA 33+55.01  
 NTS



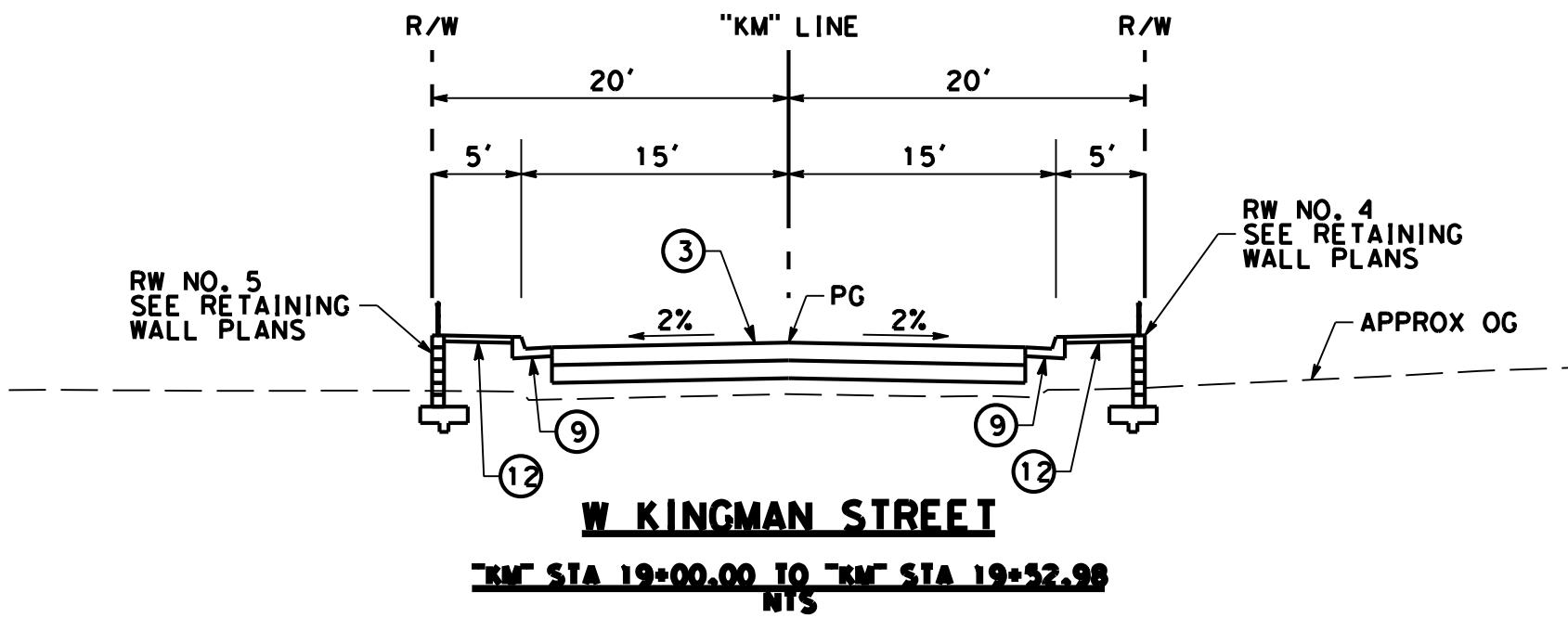
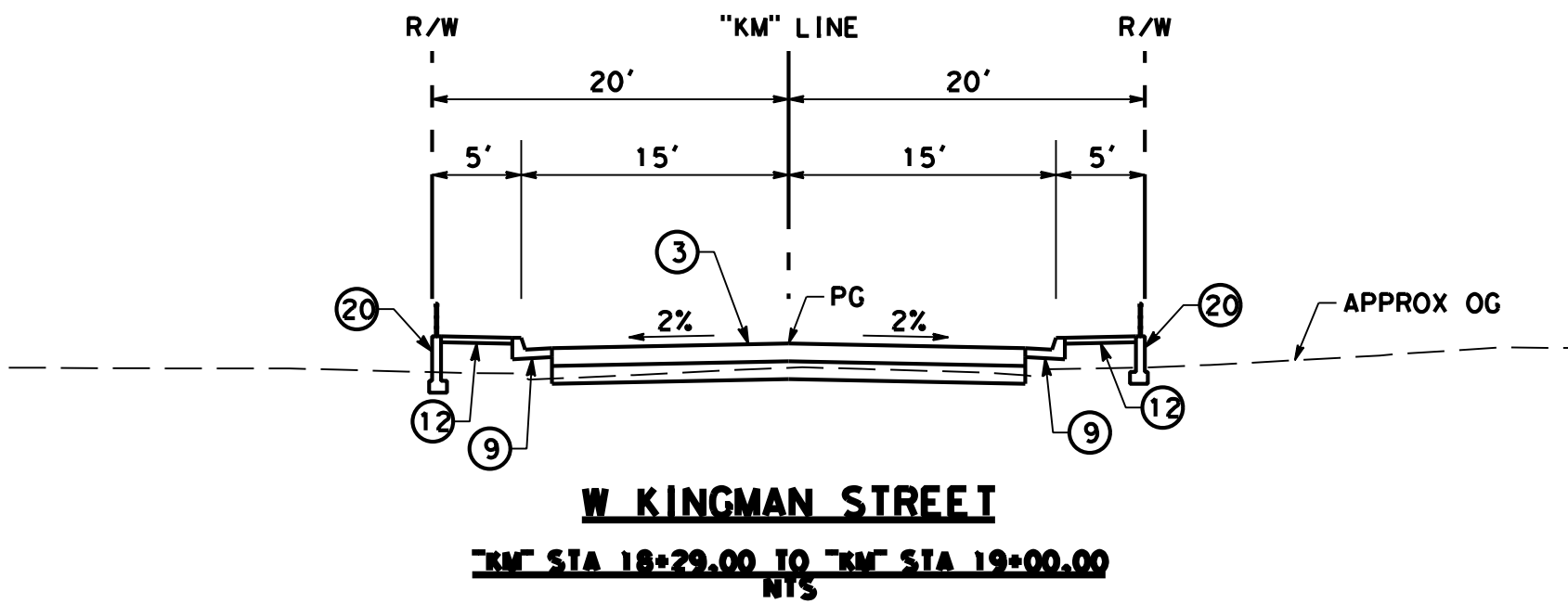
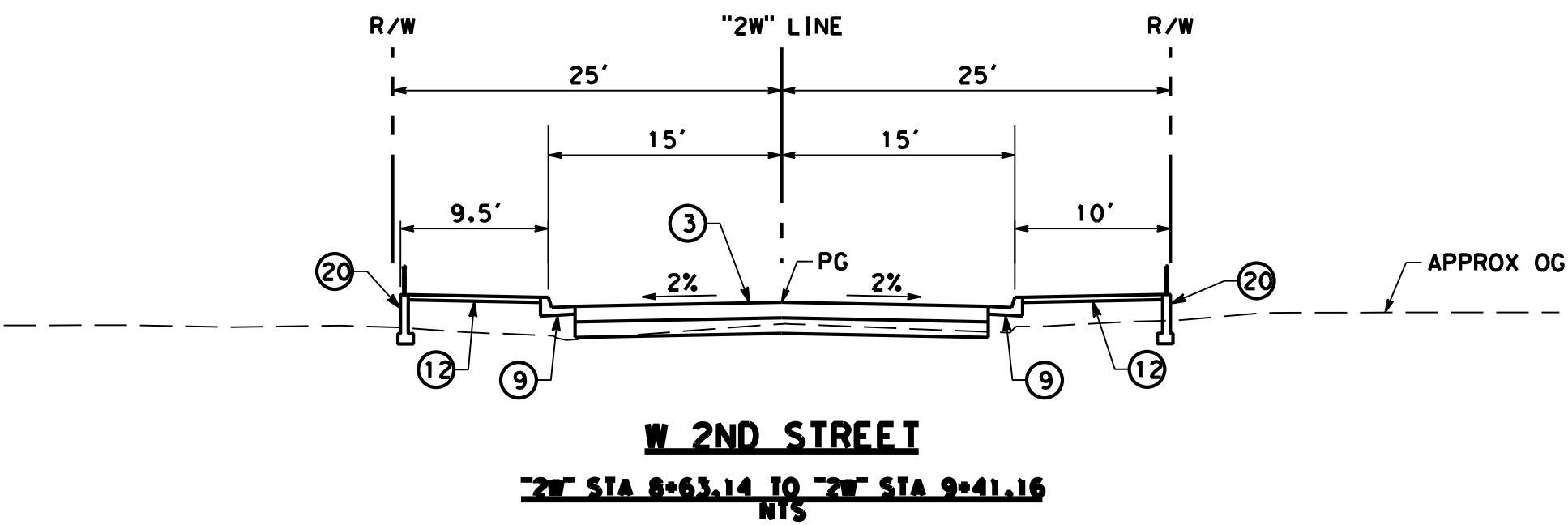
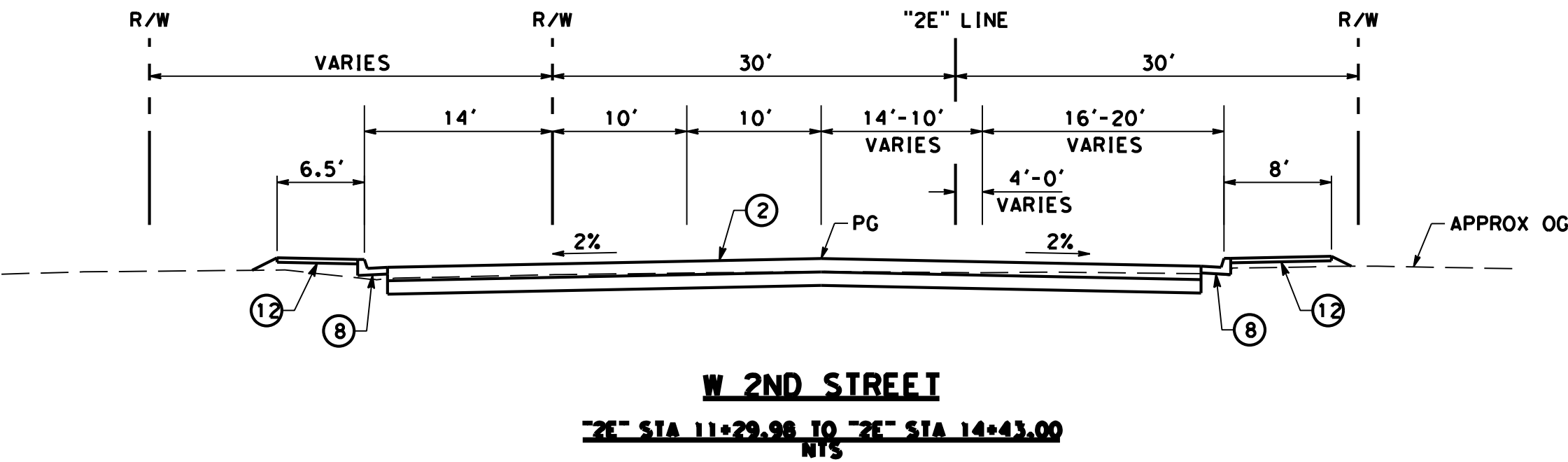
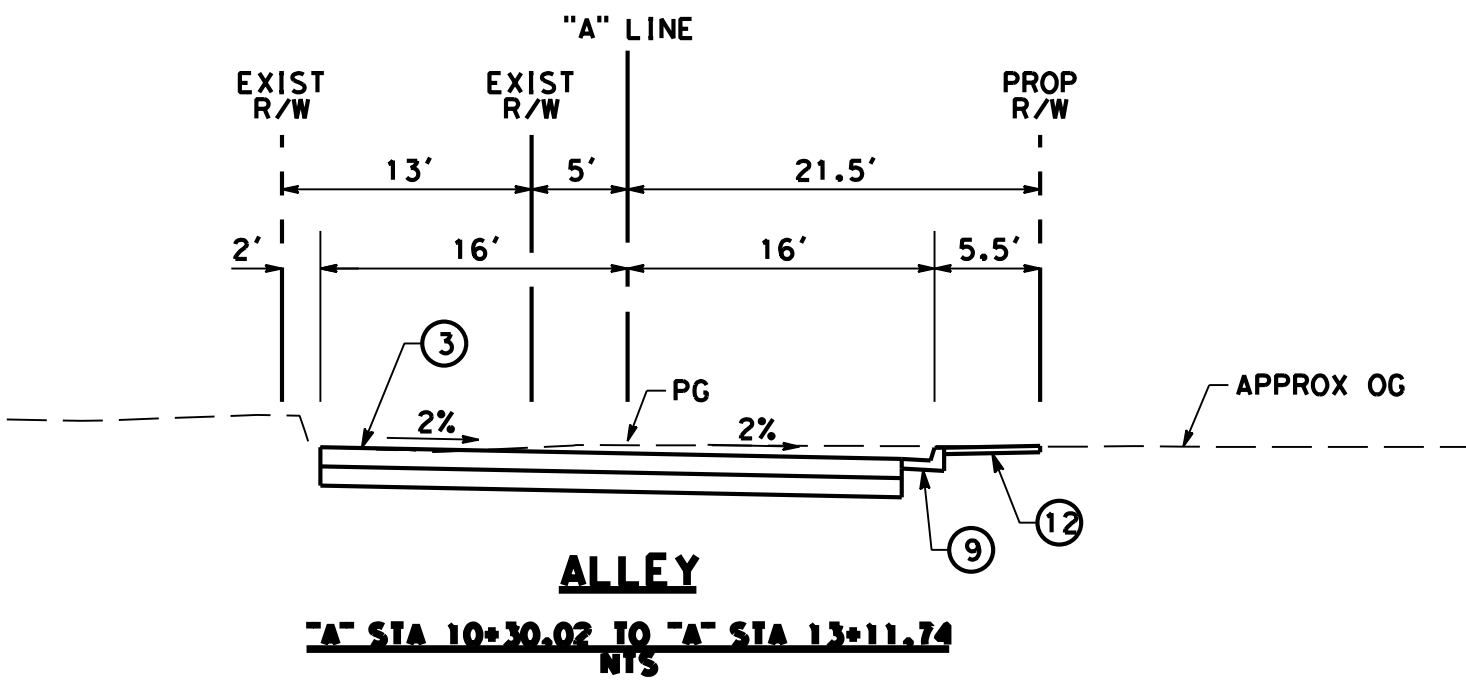
**MOUNT VERNON AVENUE**  
 "MV" STA 30+14.34 TO "MV" STA 32+34.58  
 NTS

|                                                                                                                                           |           |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                 |                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|----|------|------|------------|--|--|--|--|-----------------------------|--|--|--|--|----------------------------------------|--|--|--|--|------------------------------------------|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <p>Underground Service Alert</p> <p>Call: TOLL FREE<br/>1-800-422-4133</p> <p style="font-size: 8px;">TWO WORKING DAYS BEFORE YOU DIG</p> |           | <p><b>AECOM</b></p> <p>901 VIA PIEMONTE<br/>5TH FLOOR<br/>ONTARIO, CA 91764</p> <p>APPROVED BY: _____ DATE: _____</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">MARK</td> <td style="width: 45%;">REVISIONS</td> <td style="width: 10%;">BY</td> <td style="width: 10%;">APPR</td> <td style="width: 10%;">DATE</td> </tr> <tr> <td colspan="5">BENCHMARK:</td> </tr> <tr> <td colspan="5">CITY OF SAN BERNARDINO B7-1</td> </tr> <tr> <td colspan="5">USC &amp; GS DESIGNATION: H-524 RESET 1962</td> </tr> <tr> <td colspan="5">ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</td> </tr> </table> | MARK | REVISIONS | BY | APPR | DATE | BENCHMARK: |  |  |  |  | CITY OF SAN BERNARDINO B7-1 |  |  |  |  | USC & GS DESIGNATION: H-524 RESET 1962 |  |  |  |  | ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |  |  |  |  |  | <p>APPROVED _____ 20 <u>12</u></p> <p>CITY ENGINEER <u>ROBERT G. EISENBEISZ</u></p> <p>RCE NO. <u>24931</u> EXP. <u>6-30-15</u></p> <p>DRAWN BY: <u>A. CADD</u></p> <p>CHECKED BY: _____</p> <p>RECOMMENDED BY: _____</p> | <p><b>CITY OF SAN BERNARDINO</b></p> <p>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING</p> <p><b>MOUNT VERNON GRADE SEPARATION<br/>BRIDGE REPLACEMENT</b></p> <p style="text-align: center;"><b>TYPICAL SECTIONS</b></p> <p>FOR CITY USE ONLY: FILE NO. _____ W.O. NO. _____</p> | <p>DRAWING NO. <b>X-1</b></p> <p>SHEET ____ OF ____ SHEETS</p> |
| MARK                                                                                                                                      | REVISIONS | BY                                                                                                                    | APPR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DATE |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                 |                                                                |
| BENCHMARK:                                                                                                                                |           |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                 |                                                                |
| CITY OF SAN BERNARDINO B7-1                                                                                                               |           |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                 |                                                                |
| USC & GS DESIGNATION: H-524 RESET 1962                                                                                                    |           |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                 |                                                                |
| ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)                                                                                                  |           |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                 |                                                                |



CONSTRUCTION NOTES

- ② CONSTRUCT X" HMA OVER X" CAB (MAIN)  
③ CONSTRUCT Y" HMA OVER Y" CAB (LOCAL)  
⑧ CONSTRUCT 8" PCC CURB AND GUTTER TYPE "B" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 200  
⑨ CONSTRUCT 6" PCC CURB AND GUTTER TYPE "C" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 200  
⑫ CONSTRUCT PCC SIDEWALK CASE "A" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 202  
⑳ CONSTRUCT RETAINING CURB PER DETAIL X ON SHEET X



Underground Service Alert

Call: TOLL FREE 1-800 422-4133

TWO WORKING DAYS BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER

BRIAN SMITH

No. 70690

Exp 6/30/15

CIVIL

STATE OF CALIFORNIA

AECOM

901 VIA PIEMONTE

5TH FLOOR

ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK                                     | REVISIONS | BY | APPR | DATE |
|------------------------------------------|-----------|----|------|------|
| BENCHMARK:                               |           |    |      |      |
| CITY OF SAN BERNARDINO B7-1              |           |    |      |      |
| USC & GS DESIGNATION: H-524 RESET 1962   |           |    |      |      |
| ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |

REGISTERED PROFESSIONAL ENGINEER

ROBERT G. EISENBEISZ

No. 54931

CIVIL

STATE OF CALIFORNIA

APPROVED 20 12

CITY ENGINEER ROBERT G. EISENBEISZ

RCE NO. 24931 EXP 6-30-15

DRAWN BY: A CADD

CHECKED BY:

RECOMMENDED BY:

CITY OF SAN BERNARDINO

DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING

MOUNT VERNON GRADE SEPARATION

BRIDGE REPLACEMENT

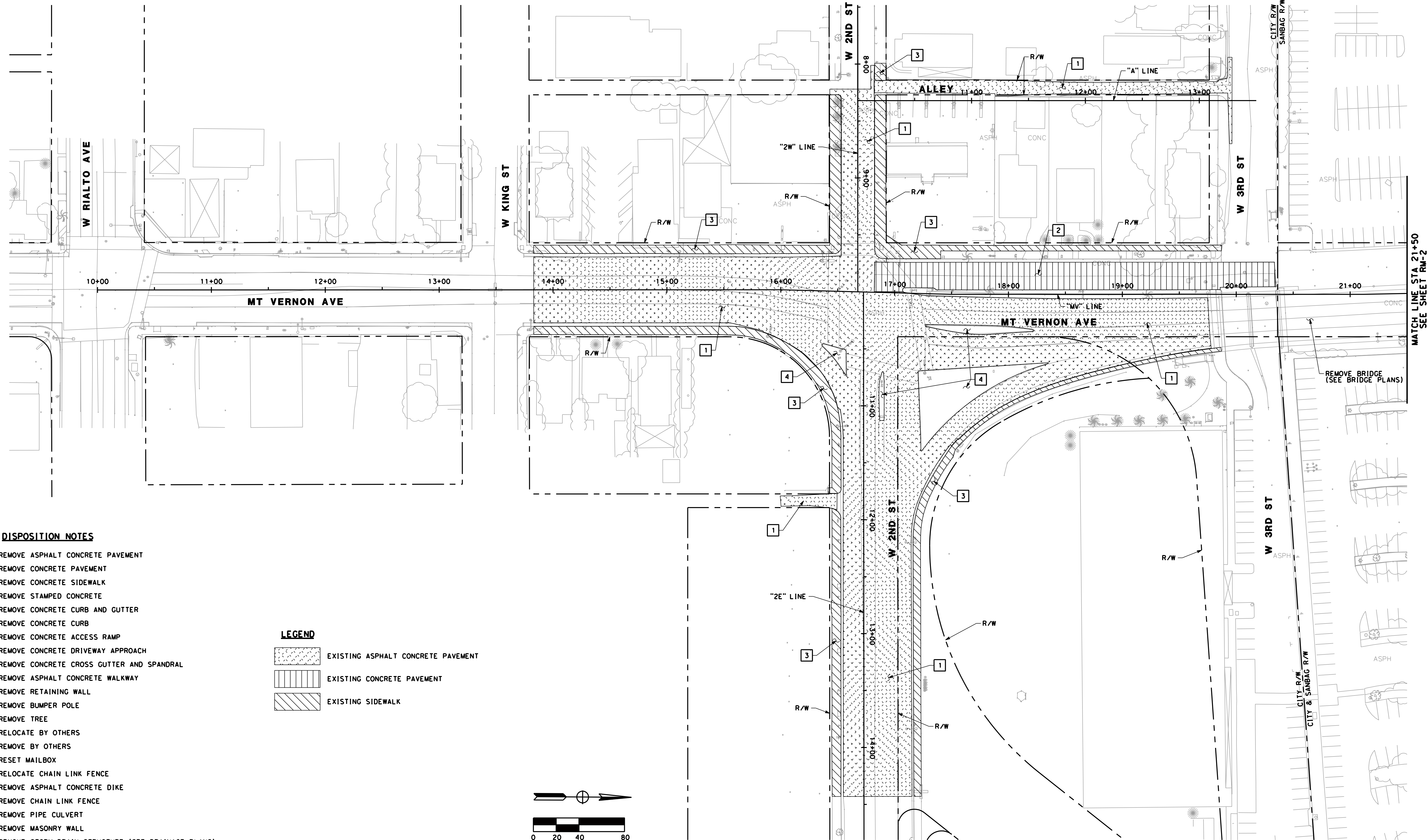
TYPICAL SECTIONS

FOR CITY USE ONLY: FILE NO. \_\_\_\_\_ W.O. NO. \_\_\_\_\_

DRAWING NO. X-2

SHEET \_\_\_\_ OF \_\_\_\_ SHEETS

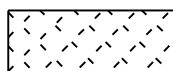
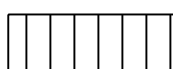


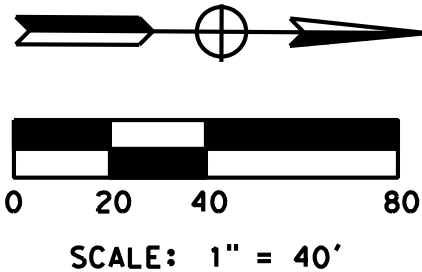


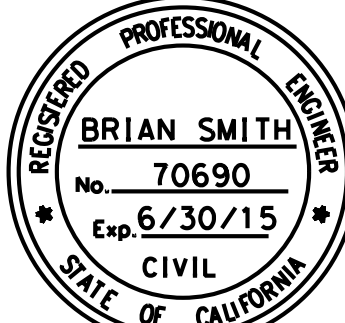
**DISPOSITION NOTES**

- 1 REMOVE ASPHALT CONCRETE PAVEMENT
- 2 REMOVE CONCRETE PAVEMENT
- 3 REMOVE CONCRETE SIDEWALK
- 4 REMOVE STAMPED CONCRETE
- X REMOVE CONCRETE CURB AND GUTTER
- X REMOVE CONCRETE CURB
- X REMOVE CONCRETE ACCESS RAMP
- X REMOVE CONCRETE DRIVEWAY APPROACH
- X REMOVE CONCRETE CROSS GUTTER AND SPANDRAL
- X REMOVE ASPHALT CONCRETE WALKWAY
- X REMOVE RETAINING WALL
- X REMOVE BUMPER POLE
- X REMOVE TREE
- X RELOCATE BY OTHERS
- X REMOVE BY OTHERS
- X RESET MAILBOX
- X RELOCATE CHAIN LINK FENCE
- X REMOVE ASPHALT CONCRETE DIKE
- X REMOVE CHAIN LINK FENCE
- X REMOVE PIPE CULVERT
- X REMOVE MASONRY WALL
- X REMOVE STORM DRAIN STRUCTURE (SEE DRAINAGE PLANS)
- X REMOVE STAIRS

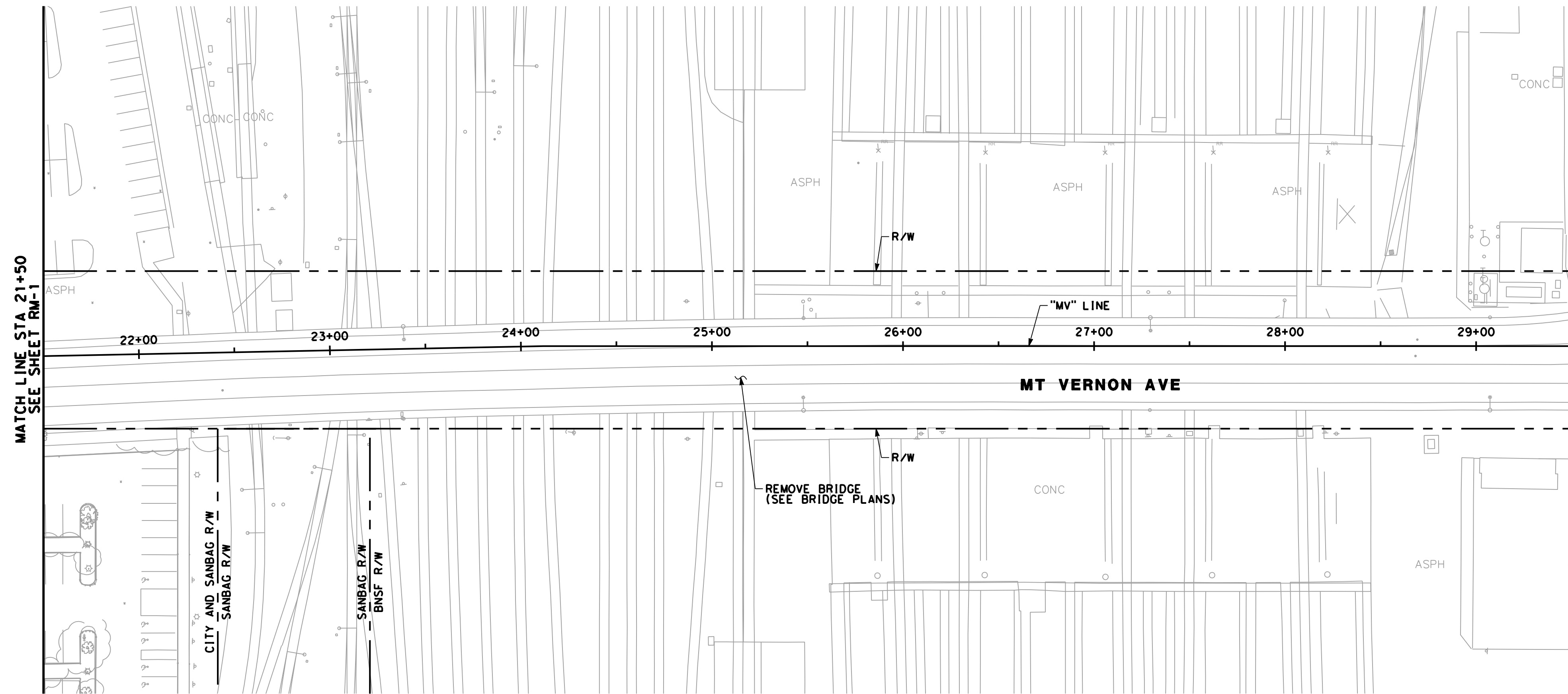
**LEGEND**

-  EXISTING ASPHALT CONCRETE PAVEMENT
-  EXISTING CONCRETE PAVEMENT
-  EXISTING SIDEWALK



|                                                                                                                                                                                                         |                                                                                                                                                                        |                                                                                                          |                                                                                                                                                                                                                                                                                                                             |      |           |    |      |      |                                                                                                                                 |  |  |  |  |                                                                                                                                                                   |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                  |                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|----|------|------|---------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| <br>Underground Service Alert<br>Call: TOLL FREE<br>1-800-422-4133<br><small>TWO WORKING DAYS BEFORE YOU DIG</small> | <br><b>BRIAN SMITH</b><br>No. 70690<br>Exp. 6/30/15<br>CIVIL<br>STATE OF CALIFORNIA | <b>AECOM</b><br>901 VIA PIEMONTE<br>5TH FLOOR<br>ONTARIO, CA 91764<br><br>APPROVED BY: _____ DATE: _____ | <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td>MARK</td><td>REVISIONS</td><td>BY</td><td>APPR</td><td>DATE</td></tr><tr><td colspan="5">BENCHMARK:<br/>CITY OF SAN BERNARDINO B7-1<br/>USC &amp; GS DESIGNATION: H-524 RESET 1962<br/>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</td></tr></table> | MARK | REVISIONS | BY | APPR | DATE | BENCHMARK:<br>CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |  |  |  |  | <br><b>ROBERT G. EISENBEISZ</b><br>No. 54931<br>CIVIL<br>STATE OF CALIFORNIA | <b>APPROVED</b><br><br>CITY ENGINEER <u>ROBERT G. EISENBEISZ</u><br>RCE NO. <u>24931</u> EXP. <u>6-30-15</u><br>DRAWN BY: <u>A. CADD</u><br>CHECKED BY: _____<br>RECOMMENDED BY: _____ | <b>2012</b><br><br><b>CITY OF SAN BERNARDINO</b><br><b>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING</b><br><b>MOUNT VERNON GRADE SEPARATION</b><br><b>BRIDGE REPLACEMENT</b><br><b>ROADWAY REMOVALS</b><br><br>FOR CITY USE ONLY: FILE NO. _____ W.O. NO. _____ | DRAWING NO.<br><b>RM-1</b><br>SHEET ____ OF ____ SHEETS |
|                                                                                                                                                                                                         |                                                                                                                                                                        |                                                                                                          |                                                                                                                                                                                                                                                                                                                             | MARK | REVISIONS | BY | APPR | DATE |                                                                                                                                 |  |  |  |  |                                                                                                                                                                   |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                  |                                                         |
| BENCHMARK:<br>CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)                                                                         |                                                                                                                                                                        |                                                                                                          |                                                                                                                                                                                                                                                                                                                             |      |           |    |      |      |                                                                                                                                 |  |  |  |  |                                                                                                                                                                   |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                  |                                                         |
| 2012                                                                                                                                                                                                    |                                                                                                                                                                        |                                                                                                          |                                                                                                                                                                                                                                                                                                                             |      |           |    |      |      |                                                                                                                                 |  |  |  |  |                                                                                                                                                                   |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                  |                                                         |



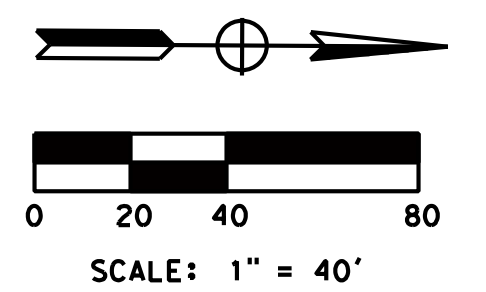
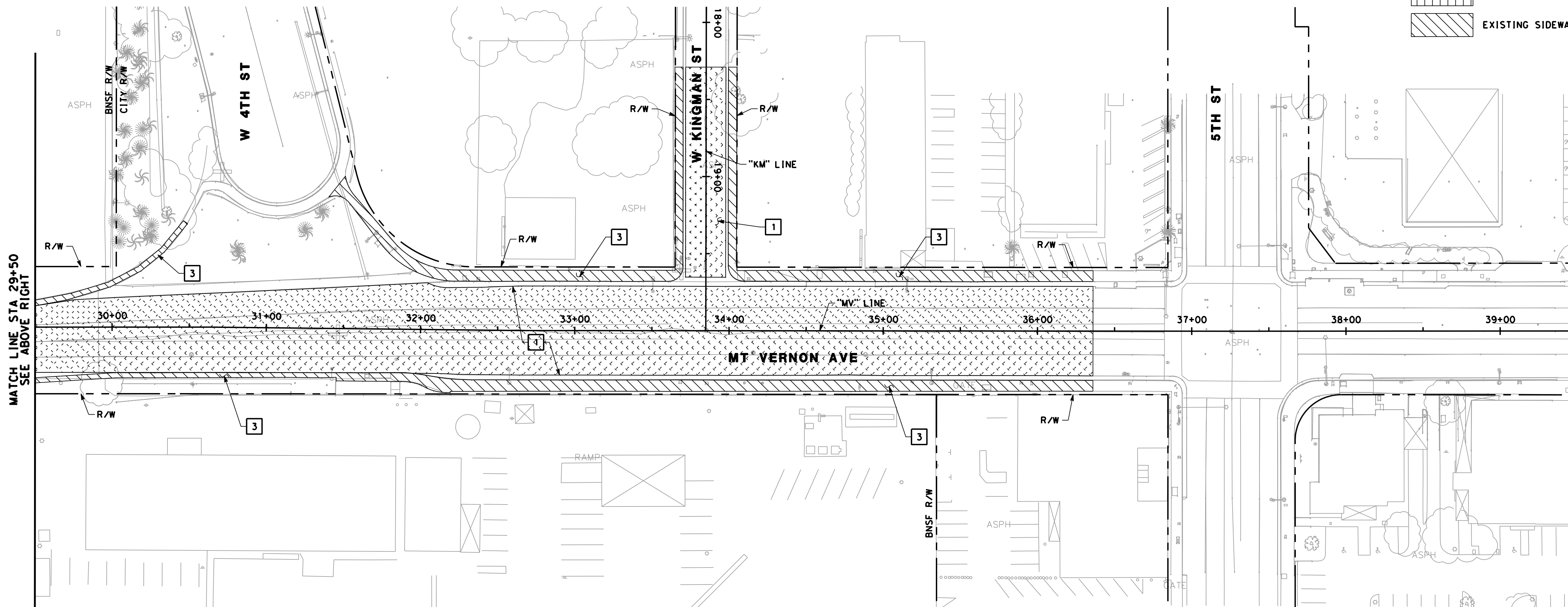


#### DISPOSITION NOTES

- ☐ 1 REMOVE ASPHALT CONCRETE PAVEMENT
- ☐ 2 REMOVE CONCRETE PAVEMENT
- ☐ 3 REMOVE CONCRETE SIDEWALK
- ☒ X REMOVE ASPHALT CONCRETE WALKWAY
- ☒ X REMOVE CONCRETE CURB AND GUTTER
- ☒ X REMOVE CONCRETE CURB
- ☒ X REMOVE CONCRETE ACCESS RAMP
- ☒ X REMOVE CONCRETE DRIVEWAY APPROACH
- ☒ X REMOVE CONCRETE CROSS GUTTER AND SPANDRAL
- ☒ X REMOVE STAMPED CONCRETE
- ☒ X REMOVE RETAINING WALL
- ☒ X REMOVE BUMPER POLE
- ☒ X REMOVE TREE
- ☒ X RELOCATE BY OTHERS
- ☒ X REMOVE BY OTHERS
- ☒ X RESET MAILBOX
- ☒ X RELOCATE CHAIN LINK FENCE
- ☒ X REMOVE ASPHALT CONCRETE DIKE
- ☒ X REMOVE CHAIN LINK FENCE
- ☒ X REMOVE PIPE CULVERT
- ☒ X REMOVE MASONRY WALL
- ☒ X REMOVE STORM DRAIN STRUCTURE (SEE DRAINAGE PLANS)

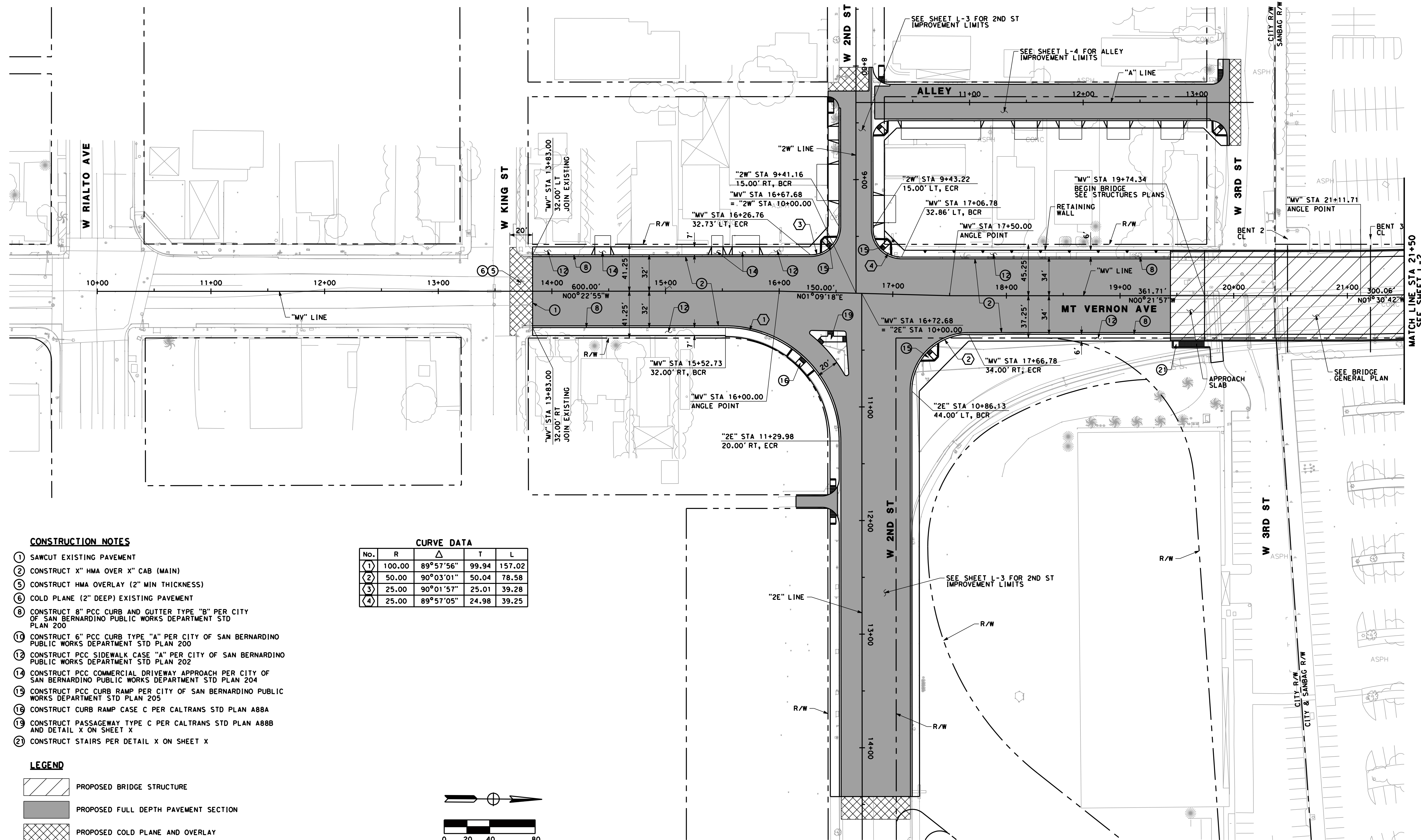
#### LEGEND

- EXISTING ASPHALT CONCRETE PAVEMENT
- EXISTING CONCRETE PAVEMENT
- EXISTING SIDEWALK



| <p>Underground Service Alert</p> <p>Call: TOLL FREE<br/>1-800-422-4133</p> <p style="font-size: small;">TWO WORKING DAYS BEFORE YOU DIG</p>      | <p style="text-align: center;"><b>AECOM</b></p> <p>901 VIA PIEMONTE<br/>5TH FLOOR<br/>ONTARIO, CA 91764</p> <p>APPROVED BY: _____ DATE: _____</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">MARK</th> <th style="width: 50%;">REVISIONS</th> <th style="width: 10%;">BY</th> <th style="width: 10%;">APPR</th> <th style="width: 10%;">DATE</th> </tr> <tr> <td colspan="5"> <p>BENCHMARK:</p> <p>CITY OF SAN BERNARDINO B7-1<br/>USC &amp; GS DESIGNATION: H-524 RESET 1962<br/>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</p> </td> </tr> </table> | MARK | REVISIONS | BY | APPR | DATE | <p>BENCHMARK:</p> <p>CITY OF SAN BERNARDINO B7-1<br/>USC &amp; GS DESIGNATION: H-524 RESET 1962<br/>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</p> |  |  |  |  | <p style="text-align: center;">REGISTERED PROFESSIONAL ENGINEER<br/>ROBERT G. EISENBEISZ<br/>No. 54931<br/>CIVIL<br/>STATE OF CALIFORNIA</p> | <p>APPROVED <span style="float: right;">20 <u>12</u></span></p> <p>CITY ENGINEER <u>ROBERT G. EISENBEISZ</u><br/>RCE NO. <u>24931</u> EXP. <u>6-30-15</u></p> <p>DRAWN BY: <u>A. CADD</u></p> <p>CHECKED BY: _____</p> <p>RECOMMENDED BY: _____</p> | <p style="text-align: center;"><b>CITY OF SAN BERNARDINO</b><br/>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING</p> <p style="text-align: center;"><b>MOUNT VERNON GRADE SEPARATION<br/>BRIDGE REPLACEMENT</b></p> <p style="text-align: center;"><b>ROADWAY REMOVALS</b></p> <p>FOR CITY USE ONLY: FILE NO. _____ W.O. NO. _____</p> | <p>DRAWING NO. <b>RM-2</b></p> <p>SHEET ____ OF ____ SHEETS</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|----|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| MARK                                                                                                                                             | REVISIONS                                                                                                                                         | BY                                                                                                                                                                                                                                                                                                                                                                                                                                                     | APPR | DATE      |    |      |      |                                                                                                                                                  |  |  |  |  |                                                                                                                                              |                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                      |                                                                 |
| <p>BENCHMARK:</p> <p>CITY OF SAN BERNARDINO B7-1<br/>USC &amp; GS DESIGNATION: H-524 RESET 1962<br/>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</p> |                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |           |    |      |      |                                                                                                                                                  |  |  |  |  |                                                                                                                                              |                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                      |                                                                 |





Underground Service Alert

Call: TOLL FREE

1-800

422-4133

TWO WORKING DAYS BEFORE YOU DIG

**AECOM**

901 VIA PIEMONTE

5TH FLOOR

ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK                                     | REVISIONS | BY | APPR | DATE |
|------------------------------------------|-----------|----|------|------|
| BENCHMARK:                               |           |    |      |      |
| CITY OF SAN BERNARDINO B7-1              |           |    |      |      |
| USC & GS DESIGNATION: H-524 RESET 1962   |           |    |      |      |
| ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |

**APPROVED** 2012

CITY ENGINEER ROBERT G. EISENBEISZ

RCE NO. 24931 EXP. 6-30-15

DRAWN BY: A. CADD

CHECKED BY: \_\_\_\_\_

RECOMMENDED BY: \_\_\_\_\_

**CITY OF SAN BERNARDINO**

DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING

**MOUNT VERNON GRADE SEPARATION**

**BRIDGE REPLACEMENT**

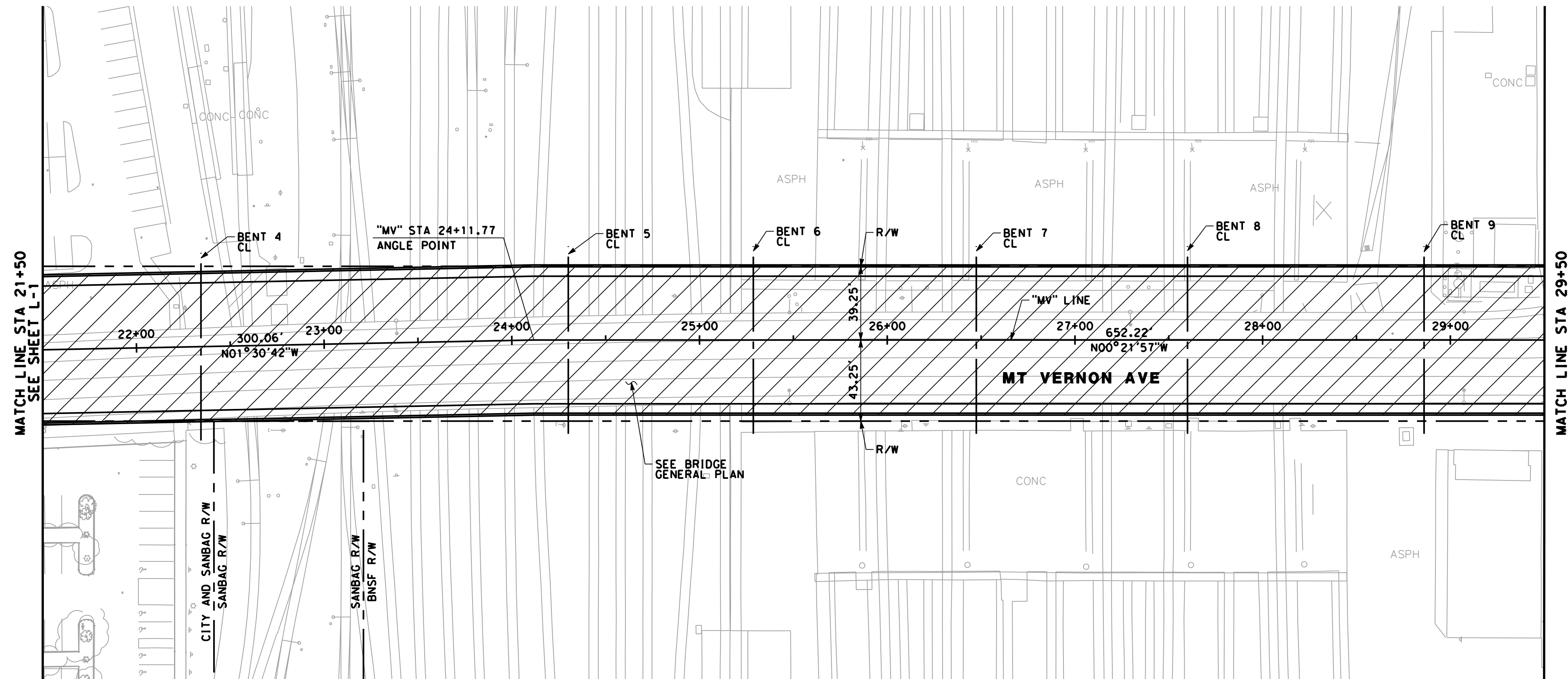
**ROADWAY LAYOUT**

FOR CITY USE ONLY: FILE NO. \_\_\_\_\_ W.O. NO. \_\_\_\_\_

DRAWING NO. **L-1**

SHEET \_\_\_\_ OF \_\_\_\_ SHEETS





# CONSTRUCTION NOTES

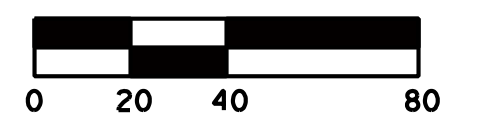
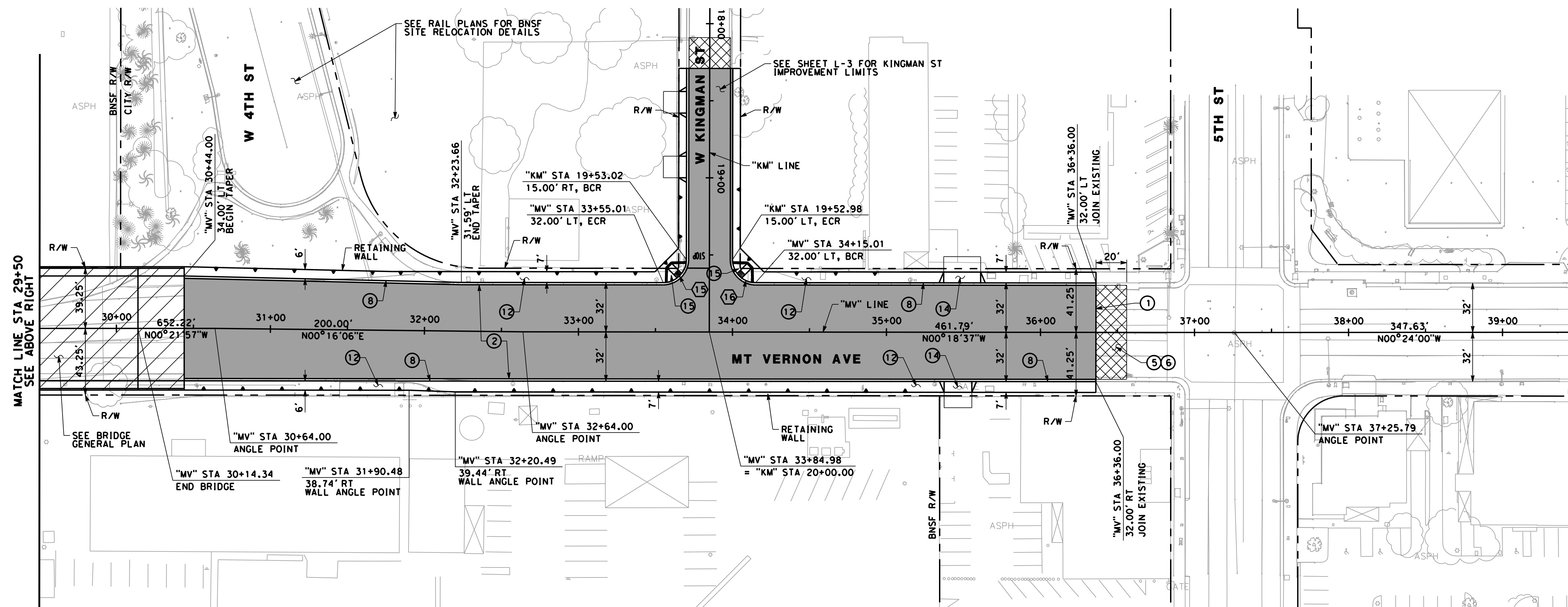
- ① SAWCUT EXISTING PAVEMENT
- ② CONSTRUCT X" HMA OVER X" CAB (MAIN)
- ⑤ CONSTRUCT HMA OVERLAY (2" MIN THICKNESS)
- ⑥ COLD PLANE (2" DEEP) EXISTING PAVEMENT
- ⑧ CONSTRUCT 8" PCC CURB AND GUTTER TYPE "B" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 200
- ⑫ CONSTRUCT PCC SIDEWALK CASE "A" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 202
- ⑭ CONSTRUCT PCC COMMERCIAL DRIVEWAY APPROACH PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 204
- ⑮ CONSTRUCT PCC CURB RAMP PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 205

## LEGEND

- PROPOSED BRIDGE STRUCTURE
- PROPOSED FULL DEPTH PAVEMENT SECTION
- PROPOSED COLD PLANE AND OVERLAY

## CURVE DATA

| NO. | R     | Δ         | T     | L     |
|-----|-------|-----------|-------|-------|
| ⑮   | 15.00 | 89°57'54" | 14.99 | 23.55 |
| ⑮   | 15.00 | 90°02'06" | 15.01 | 23.57 |



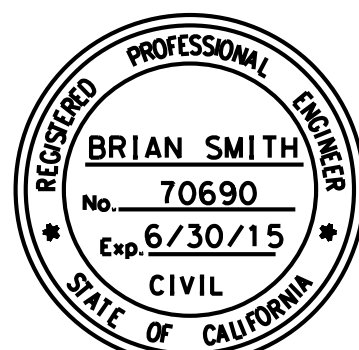
SCALE: 1" = 40'

Underground Service Alert



Call: TOLL FREE  
1-800  
422-4133

TWO WORKING DAYS BEFORE YOU DIG

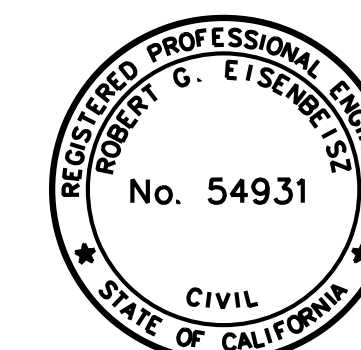


**AECOM**

901 VIA PIEMONTE  
5TH FLOOR  
ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK                                                                                                                            | REVISIONS | BY | APPR | DATE |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|----|------|------|
| BENCHMARK:<br>CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |



APPROVED 2012

CITY ENGINEER ROBERT G. EISENBEISZ  
RCE NO. 24931 EXP. 6-30-15  
DRAWN BY: A. CADD  
CHECKED BY: \_\_\_\_\_  
RECOMMENDED BY: \_\_\_\_\_

**CITY OF SAN BERNARDINO**  
DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING

**MOUNT VERNON GRADE SEPARATION  
BRIDGE REPLACEMENT**

**ROADWAY LAYOUT**

FOR CITY USE ONLY: FILE NO.

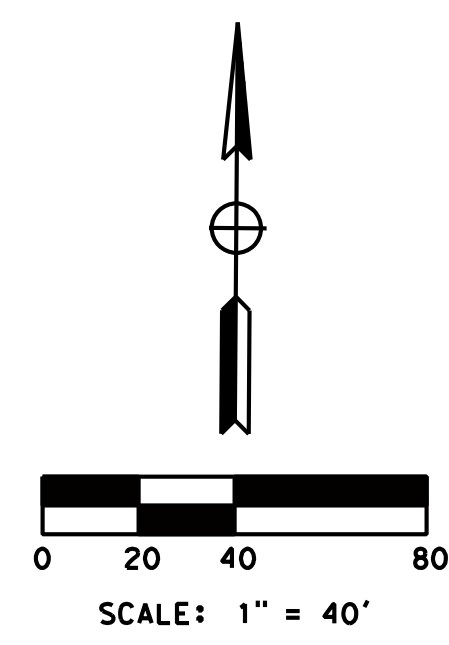
W.O. NO.

DRAWING NO.

**L-2**

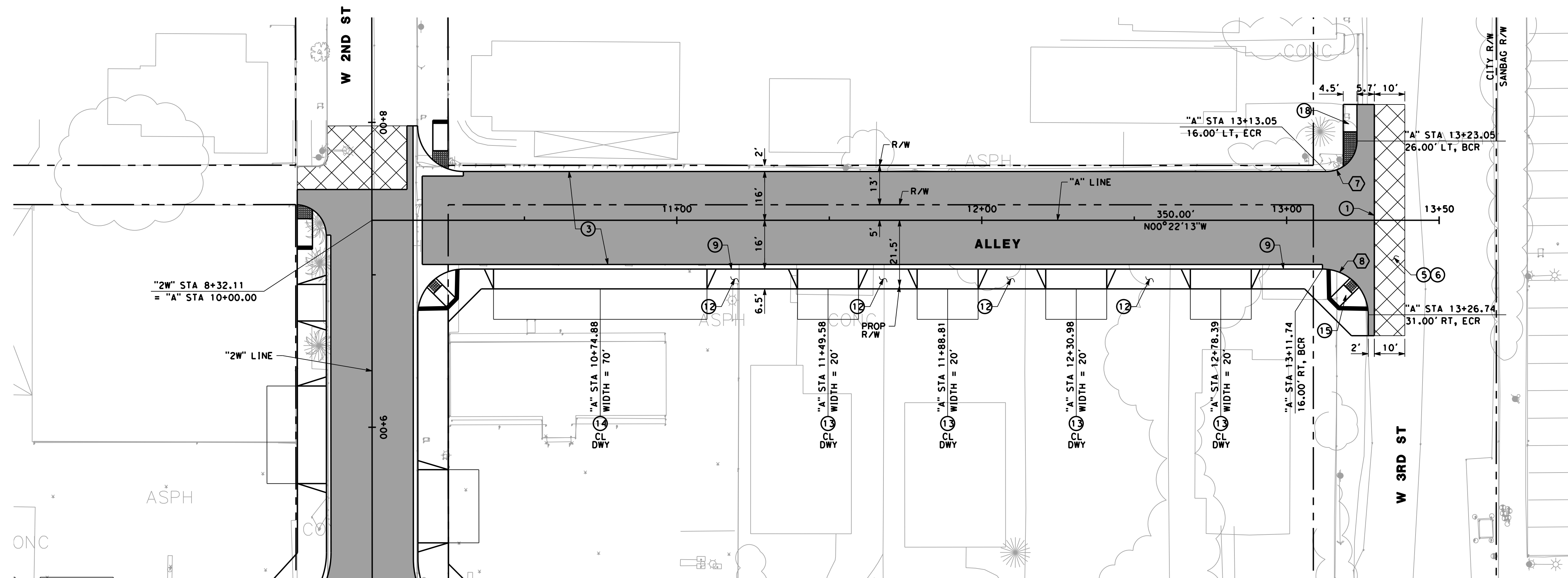
SHEET \_\_\_\_ OF \_\_\_\_ SHEETS





|                                                                                                                                                       |           |                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |  |  |  |  |  |  |  |  |  |  |  |  |  |      |           |  |  |    |           |            |  |  |  |  |  |                             |  |  |  |  |  |                                        |  |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                  |  |                                                             |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|------|-----------|--|--|----|-----------|------------|--|--|--|--|--|-----------------------------|--|--|--|--|--|----------------------------------------|--|--|--|--|--|------------------------------------------|--|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|--|
| Underground Service Alert<br> Call: TOLL FREE<br>1-800<br>422-4133 |           |  <b>AECOM</b><br>901 VIA PIEMONTE<br>5TH FLOOR<br>ONTARIO, CA 91764<br><br>APPROVED BY: _____ DATE: _____ |  | <table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>MARK</td> <td colspan="3">REVISIONS</td> <td>BY</td> <td>APPR DATE</td> </tr> <tr> <td colspan="6">BENCHMARK:</td> </tr> <tr> <td colspan="6">CITY OF SAN BERNARDINO B7-1</td> </tr> <tr> <td colspan="6">USC &amp; GS DESIGNATION: H-524 RESET 1962</td> </tr> <tr> <td colspan="6">ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</td> </tr> </table> |           |  |  |  |  |  |  |  |  |  |  |  |  |  | MARK | REVISIONS |  |  | BY | APPR DATE | BENCHMARK: |  |  |  |  |  | CITY OF SAN BERNARDINO B7-1 |  |  |  |  |  | USC & GS DESIGNATION: H-524 RESET 1962 |  |  |  |  |  | ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |  |  |  |  |  |  APPROVED _____ 20 <u>12</u><br>CITY ENGINEER <u>ROBERT G. EISENBEISZ</u><br>RCE NO. <u>24931</u> EXP. <u>6-30-15</u><br>DRAWN BY: <u>A. CADD</u><br>CHECKED BY: _____<br>RECOMMENDED BY: _____ |  | <b>CITY OF SAN BERNARDINO</b><br>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING<br><b>MOUNT VERNON GRADE SEPARATION</b><br><b>BRIDGE REPLACEMENT</b><br><b>ROADWAY LAYOUT</b><br>FOR CITY USE ONLY: FILE NO. _____ W.O. NO. _____ |  | DRAWING NO. <b>L-3</b><br>SHEET ____ OF ____<br>_____ SHEET |  |
|                                                                                                                                                       |           |                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |  |  |  |  |  |  |  |  |  |  |  |  |  |      |           |  |  |    |           |            |  |  |  |  |  |                             |  |  |  |  |  |                                        |  |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                  |  |                                                             |  |
|                                                                                                                                                       |           |                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |  |  |  |  |  |  |  |  |  |  |  |  |  |      |           |  |  |    |           |            |  |  |  |  |  |                             |  |  |  |  |  |                                        |  |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                  |  |                                                             |  |
| MARK                                                                                                                                                  | REVISIONS |                                                                                                                                                                                              |  | BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | APPR DATE |  |  |  |  |  |  |  |  |  |  |  |  |  |      |           |  |  |    |           |            |  |  |  |  |  |                             |  |  |  |  |  |                                        |  |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                  |  |                                                             |  |
| BENCHMARK:                                                                                                                                            |           |                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |  |  |  |  |  |  |  |  |  |  |  |  |  |      |           |  |  |    |           |            |  |  |  |  |  |                             |  |  |  |  |  |                                        |  |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                  |  |                                                             |  |
| CITY OF SAN BERNARDINO B7-1                                                                                                                           |           |                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |  |  |  |  |  |  |  |  |  |  |  |  |  |      |           |  |  |    |           |            |  |  |  |  |  |                             |  |  |  |  |  |                                        |  |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                  |  |                                                             |  |
| USC & GS DESIGNATION: H-524 RESET 1962                                                                                                                |           |                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |  |  |  |  |  |  |  |  |  |  |  |  |  |      |           |  |  |    |           |            |  |  |  |  |  |                             |  |  |  |  |  |                                        |  |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                  |  |                                                             |  |
| ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)                                                                                                              |           |                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |  |  |  |  |  |  |  |  |  |  |  |  |  |      |           |  |  |    |           |            |  |  |  |  |  |                             |  |  |  |  |  |                                        |  |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                  |  |                                                             |  |





# CONSTRUCTION NOTES

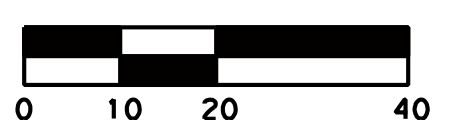
- ① SAWCUT EXISTING PAVEMENT
- ③ CONSTRUCT Y" HMA OVER Y" CAB (LOCAL)
- ⑤ CONSTRUCT HMA OVERLAY (2" MIN THICKNESS)
- ⑥ COLD PLANE (2" DEEP) EXISTING PAVEMENT
- ⑨ CONSTRUCT 6" PCC CURB AND GUTTER TYPE "C" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 200
- ⑫ CONSTRUCT PCC SIDEWALK CASE "A" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 202
- ⑬ CONSTRUCT PCC RESIDENTIAL DRIVEWAY APPROACH PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 203
- ⑭ CONSTRUCT PCC COMMERCIAL DRIVEWAY APPROACH PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 204
- ⑮ CONSTRUCT PCC CURB RAMP PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 205
- ⑰ CONSTRUCT CURB RAMP CASE CM PER CALTRANS STD PLAN A88B

# LEGEND

- PROPOSED FULL DEPTH PAVEMENT SECTION
- PROPOSED COLD PLANE AND OVERLAY

# CURVE DATA

| No. | R     | Δ         | T     | L     |
|-----|-------|-----------|-------|-------|
| ⑦   | 10.00 | 89°59'30" | 10.00 | 15.71 |
| ⑧   | 15.00 | 90°00'30" | 15.00 | 23.56 |



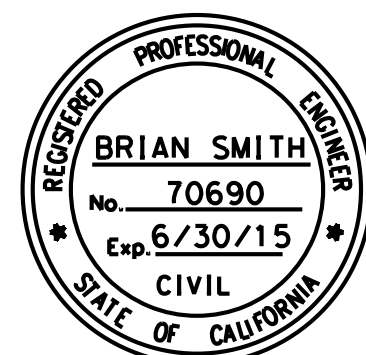
SCALE: 1" = 20'

Underground Service Alert



Call: TOLL FREE  
1-800  
422-4133

TWO WORKING DAYS BEFORE YOU DIG



**AECOM**

901 VIA PIEMONTE  
5TH FLOOR  
ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK                                                                                                                            | REVISIONS | BY | APPR | DATE |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|----|------|------|
| BENCHMARK:<br>CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |



|                 |                      |
|-----------------|----------------------|
| APPROVED        | 20 12                |
| CITY ENGINEER   | ROBERT G. EISENBEISZ |
| RCE NO.         | 24931                |
| EXP             | 6-30-15              |
| DRAWN BY:       | A. CADD              |
| CHECKED BY:     |                      |
| RECOMMENDED BY: |                      |

**CITY OF SAN BERNARDINO**  
DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING

**MOUNT VERNON GRADE SEPARATION  
BRIDGE REPLACEMENT**

**ROADWAY LAYOUT**

FOR CITY USE ONLY: FILE NO. \_\_\_\_\_ W.O. NO. \_\_\_\_\_

DRAWING NO.  
**L-4**  
SHEET \_\_\_\_ OF \_\_\_\_ SHEETS



PROFILE  
SCALE  
HORIZ. 1" = 40'  
VERT. 1" = 8'

1130

1110

1090

1070

DESIGN SPEED = 45 MPH  
L = 450.00'  
G1 = 0.30%  
G2 = 6.00%

(0.30%)

BVC 13+83.00  
ELEV 1079.94

PVI 16+08.00  
ELEV 1080.62

"2E"  
CL  
"2W"  
CL

EVC 18+33.00  
ELEV 1094.12

PG @ "MV" LINE

STA 19+74.34  
BEGIN BRIDGE

6.00%

BENT 2  
CL

BENT 3  
CL

OG

BRIDGE

BENT 4  
CL

BNSE RIGHT OF WAY  
24.0'

MATCH LINE STA 23+00  
SEE SHEET P-2

"MV" LINE PROFILE

13+00

14+00

15+00

16+00

17+00

18+00

19+00

20+00

21+00

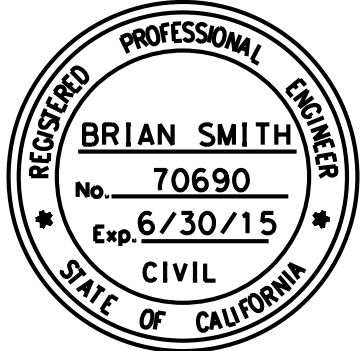
22+00

23+00

Underground Service Alert



Call: TOLL FREE  
1-800  
422-4133



**AECOM**

901 VIA PIEMONTE  
5TH FLOOR  
ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK                                                                                                                            | REVISIONS | BY | APPR | DATE |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|----|------|------|
| BENCHMARK:<br>CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |



|                 |                      |
|-----------------|----------------------|
| APPROVED        | 20 12                |
| CITY ENGINEER   | ROBERT G. EISENBEISZ |
| RCE NO.         | 54931                |
| EXP             | 6-30-15              |
| DRAWN BY:       | A. CADD              |
| CHECKED BY:     |                      |
| RECOMMENDED BY: |                      |

**CITY OF SAN BERNARDINO**  
DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING

**MOUNT VERNON GRADE SEPARATION  
BRIDGE REPLACEMENT**

**ROADWAY PROFILE**

FOR CITY USE ONLY: FILE NO.

W.O. NO.

DRAWING  
NO.

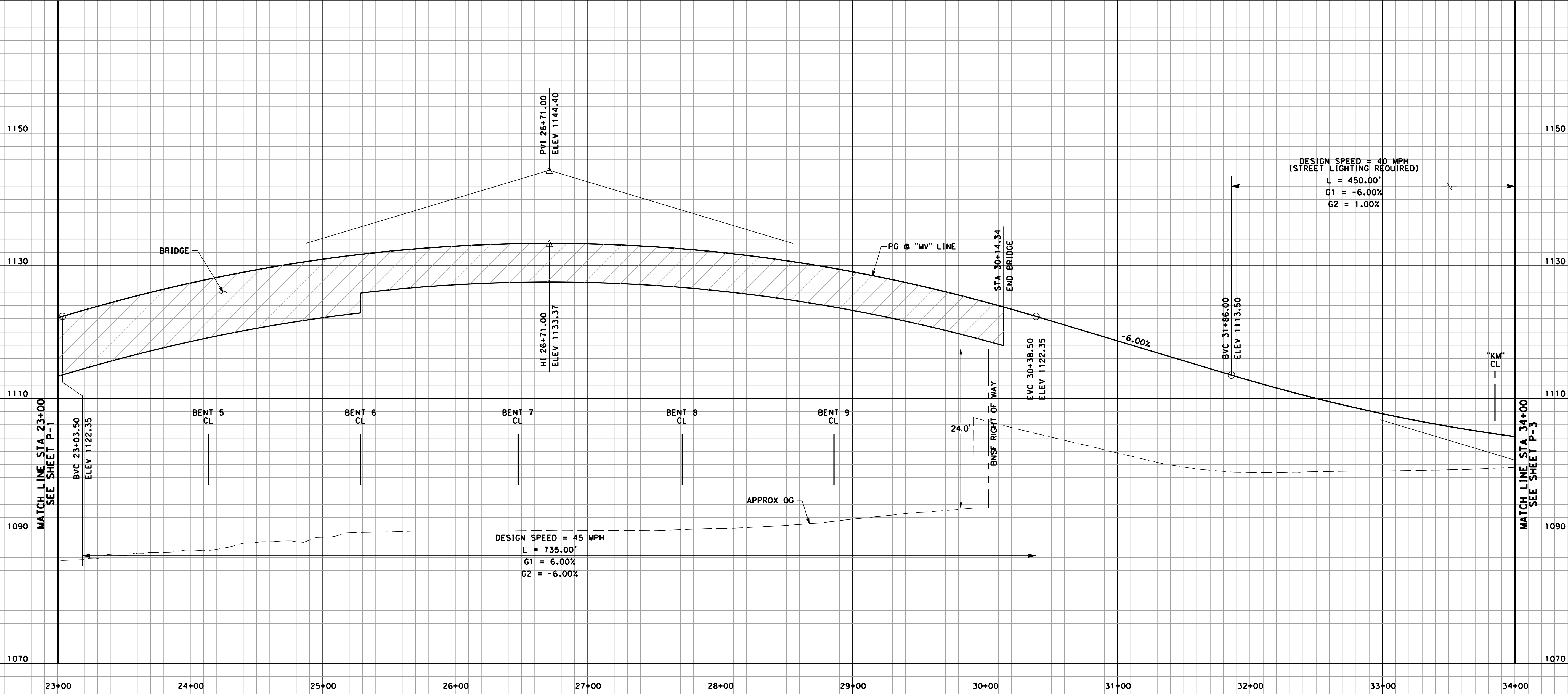
**P-1**

SHEET \_\_\_\_ OF

\_\_\_\_ SHEETS



PROFILE  
SCALE  
HORIZ. 1" = 40'  
VERT. 1" = 8'



"MV" LINE PROFILE

Underground Service Alert

Call: TOLL FREE

1-800

422-4133

TWO WORKING DAYS BEFORE YOU DIG

**BRIAN SMITH**

No. 70690

Exp. 6/30/15

CIVIL

STATE OF CALIFORNIA

**AECOM**

901 VIA PIEMONTE

5TH FLOOR

ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK | REVISIONS | BY | APPR | DATE |
|------|-----------|----|------|------|
|      |           |    |      |      |

BENCHMARK:

CITY OF SAN BERNARDINO B7-1

USC & GS DESIGNATION: H-524 RESET 1962

ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)

**ROBERT G. EISENBERG**

No. 54931

CIVIL

STATE OF CALIFORNIA

APPROVED

20 12

CITY ENGINEER ROBERT G. EISENBERG

RCE NO. 24931 EXP. 6-30-15

DRAWN BY: A. CADD

CHECKED BY: \_\_\_\_\_

RECOMMENDED BY: \_\_\_\_\_

**CITY OF SAN BERNARDINO**

DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING

**MOUNT VERNON GRADE SEPARATION**

**BRIDGE REPLACEMENT**

**ROADWAY PROFILE**

FOR CITY USE ONLY: FILE NO. \_\_\_\_\_ W.O. NO. \_\_\_\_\_

DRAWING NO. **P-2**

SHEET \_\_\_\_ OF \_\_\_\_ SHEETS



PROFILE  
SCALE  
HORIZ. 1" = 40'  
VERT. 1" = 8'

1150

1130

1110

1090

1070

MATCH LINE STA 34+00  
SEE SHEET P-2

34+00

DESIGN SPEED = 40 MPH  
(LIGHTING REQUIRED)  
L = 450.00'  
G1 = -6.00%  
G2 = 1.00%

PG @ "MV" LINE

LO 35+71.71  
ELEV 1101.93

EVC 36+36.00  
ELEV 1102.25

(1.00%)

5TH ST  
CL

APPROX OG

"MV" LINE PROFILE

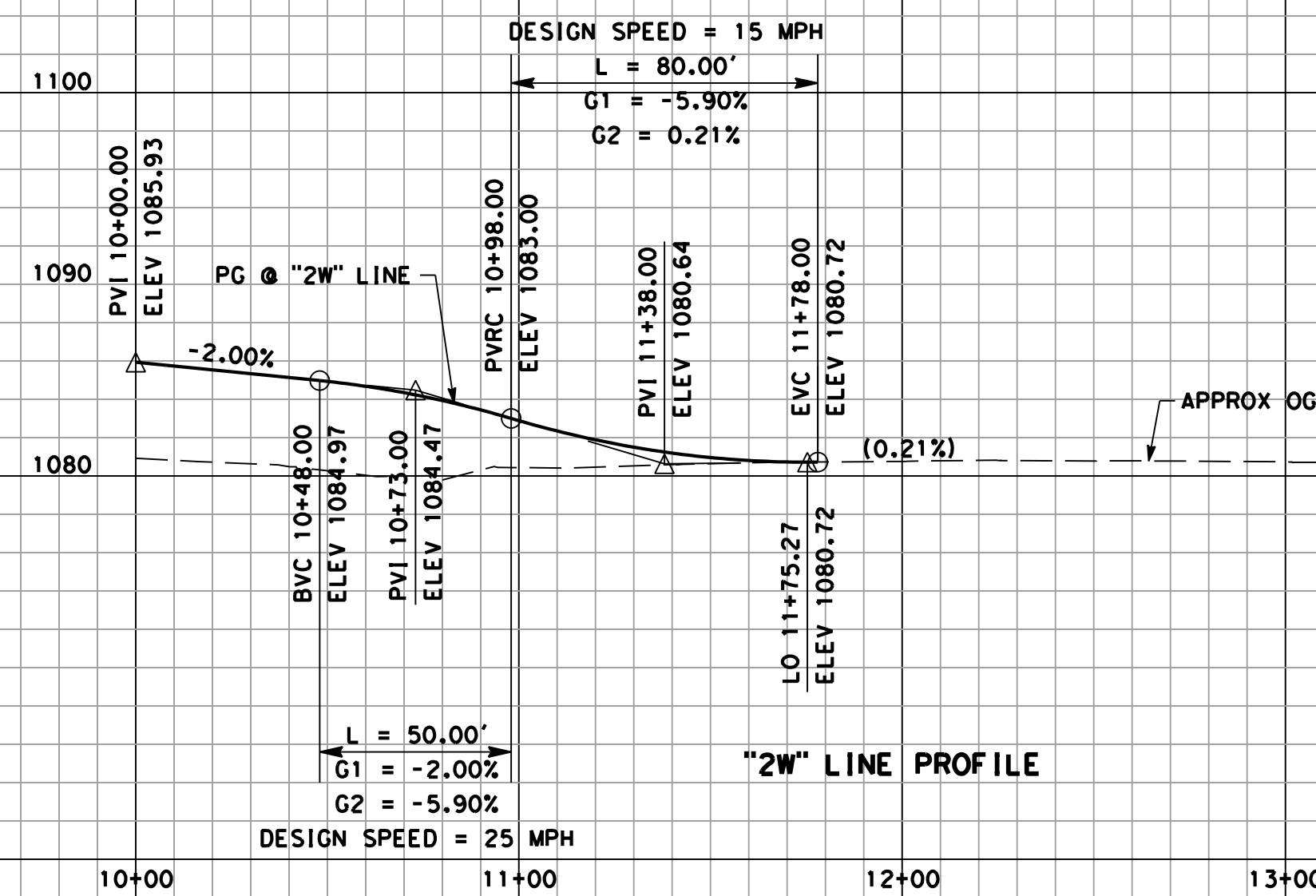
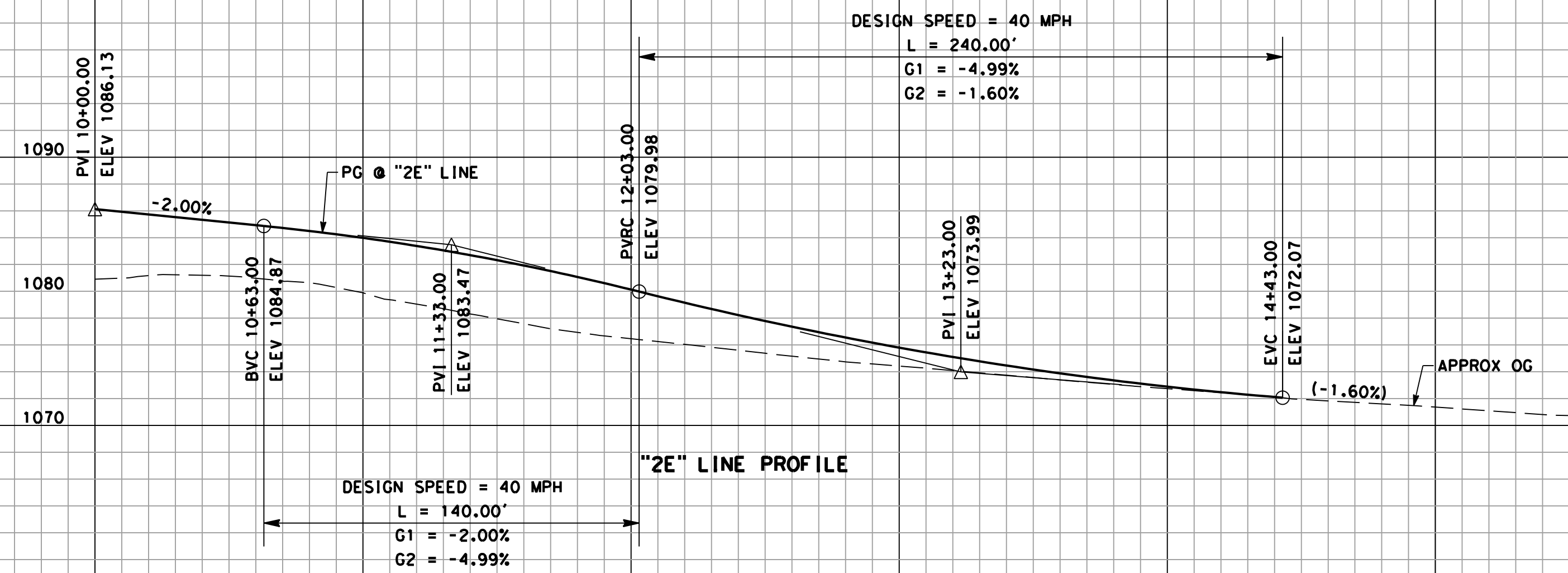
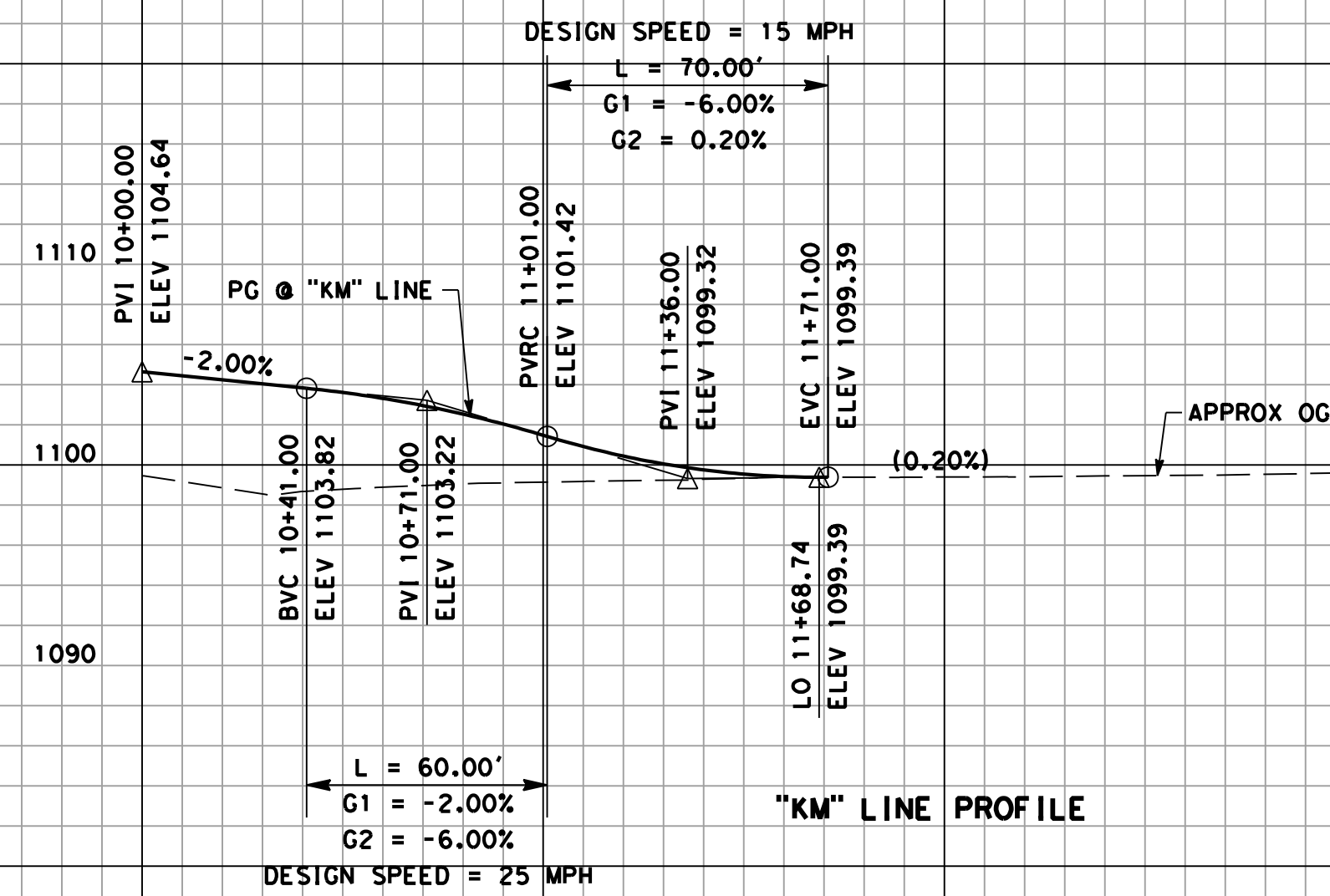
35+00

36+00

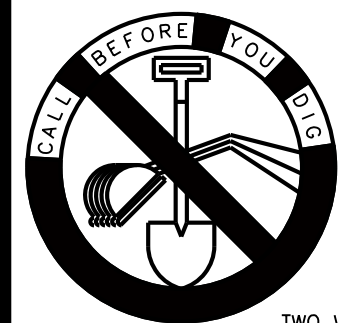
37+00

38+00

39+00



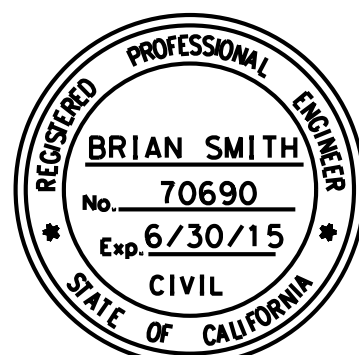
Underground Service Alert



Call: TOLL FREE

1-800  
422-4133

TWO WORKING DAYS BEFORE YOU DIG



**AECOM**

901 VIA PIEMONTE  
5TH FLOOR  
ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

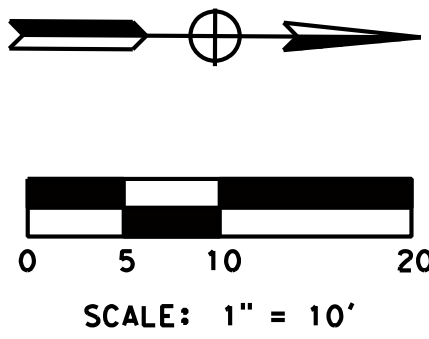
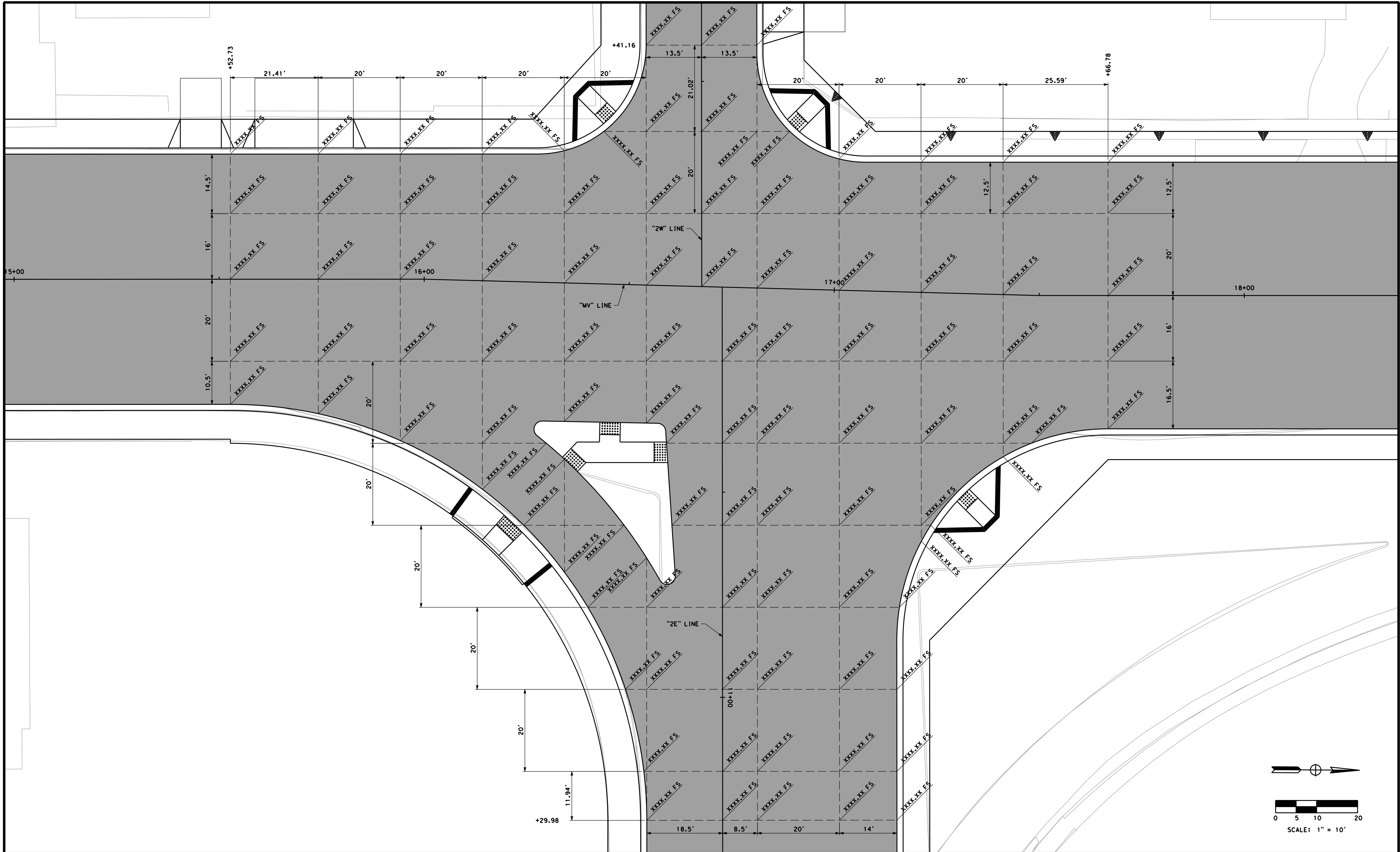
| MARK                                                                                                                            | REVISIONS | BY | APPR | DATE |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|----|------|------|
| BENCHMARK:<br>CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |

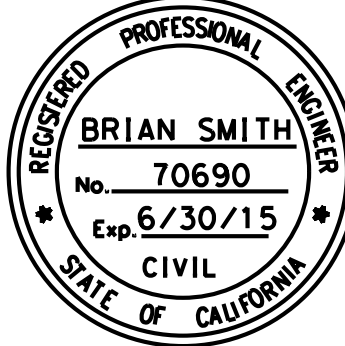


|                 |                      |
|-----------------|----------------------|
| APPROVED        | 20 12                |
| CITY ENGINEER   | ROBERT G. EISENBEISZ |
| RCE NO.         | 24931                |
| EXP             | 6-30-15              |
| DRAWN BY:       | A. CADD              |
| CHECKED BY:     |                      |
| RECOMMENDED BY: |                      |

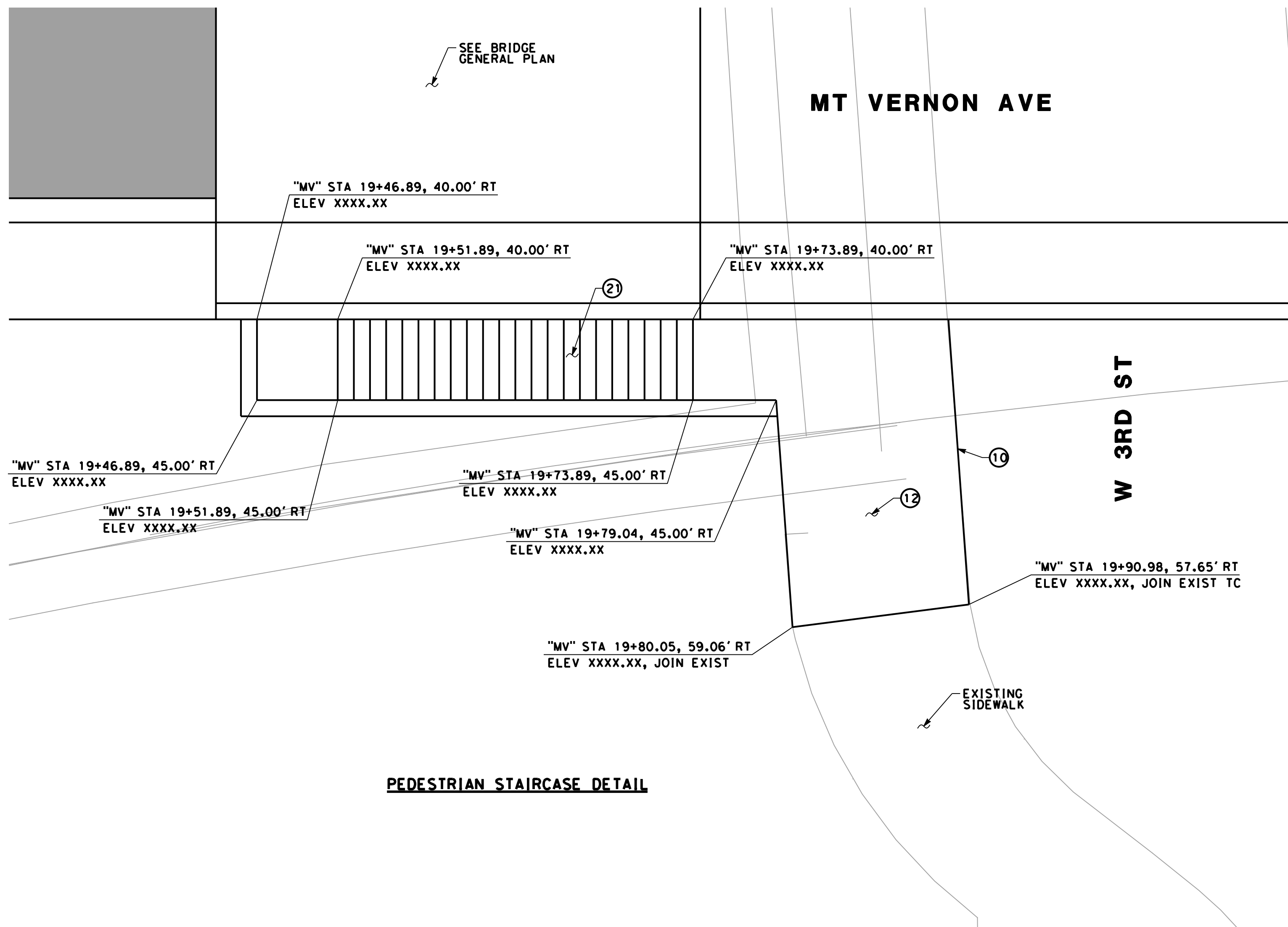
|                                                                                |                              |
|--------------------------------------------------------------------------------|------------------------------|
| <b>CITY OF SAN BERNARDINO</b><br>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING | DRAWING NO.<br><b>P-3</b>    |
| <b>MOUNT VERNON GRADE SEPARATION<br/>BRIDGE REPLACEMENT</b>                    | SHEET ____ OF<br>____ SHEETS |
| <b>ROADWAY PROFILE</b>                                                         |                              |
| FOR CITY USE ONLY: FILE NO.                                                    | W.O. NO.                     |





| <br>Underground Service Alert<br>Call: TOLL FREE<br>1-800<br>422-4133<br><small>TWO WORKING DAYS BEFORE YOU DIG</small> |  | <b>AECOM</b><br>901 VIA PIEMONTE<br>5TH FLOOR<br>ONTARIO, CA 91764<br><br>APPROVED BY: _____ DATE: _____ | <table border="1"><thead><tr><th>MARK</th><th>REVISIONS</th><th>BY</th><th>APPR</th><th>DATE</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table><br>BENCHMARK:<br>CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) | MARK | REVISIONS | BY | APPR | DATE |  |  |  |  |  |  | APPROVED _____ 20 <u>12</u> | <b>CITY OF SAN BERNARDINO</b><br>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING<br><b>MOUNT VERNON GRADE SEPARATION<br/>BRIDGE REPLACEMENT</b><br><b>CONSTRUCTION DETAILS</b> | DRAWING NO. <b>C-1</b><br>SHEET ____ OF ____ SHEETS |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|----|------|------|--|--|--|--|--|---------------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
|                                                                                                                                                                                                            |                                                                                     |                                                                                                          |                                                                                                                                                                                                                                                                                                                                | MARK | REVISIONS | BY | APPR | DATE |  |  |  |  |  |                                                                                       |                             |                                                                                                                                                                              |                                                     |
|                                                                                                                                                                                                            |                                                                                     |                                                                                                          |                                                                                                                                                                                                                                                                                                                                |      |           |    |      |      |  |  |  |  |  |                                                                                       |                             |                                                                                                                                                                              |                                                     |
| CITY ENGINEER <u>ROBERT G. EISENBEISZ</u><br>RCE NO. <u>24931</u> EXP. <u>6-30-15</u><br>DRAWN BY: <u>A. CADD</u><br>CHECKED BY: _____<br>RECOMMENDED BY: _____                                            | FOR CITY USE ONLY: FILE NO. _____ W.O. NO. _____                                    |                                                                                                          |                                                                                                                                                                                                                                                                                                                                |      |           |    |      |      |  |  |  |  |  |                                                                                       |                             |                                                                                                                                                                              |                                                     |





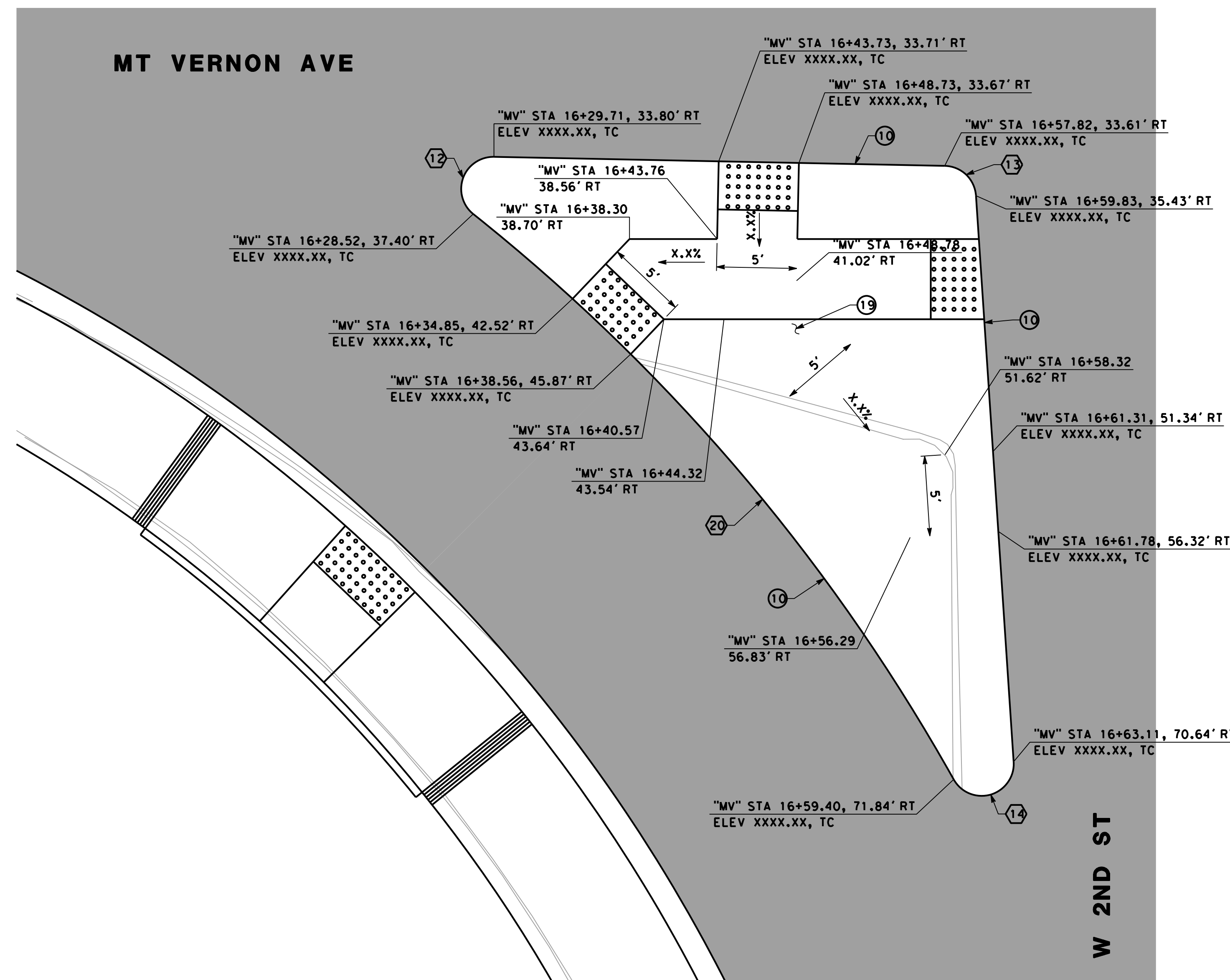
PEDESTRIAN STAIRCASE DETAIL

CONSTRUCTION NOTES

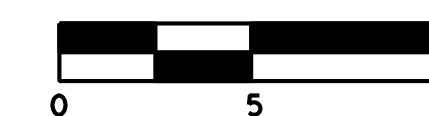
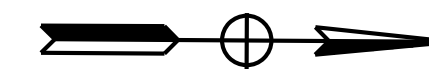
- 11 CONSTRUCT 6" PCC CURB TYPE "A" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 200
- 12 CONSTRUCT PCC SIDEWALK CASE "A" PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 202
- 13 CONSTRUCT PASSAGEWAY TYPE C PER CALTRANS STD PLAN A88B
- 21 CONSTRUCT STAIRS PER DETAIL X ON SHEET X

CURVE DATA

| No. | R      | $\Delta$   | T     | L     |
|-----|--------|------------|-------|-------|
| 12  | 2.00   | 142°36'34" | 5.91  | 4.98  |
| 13  | 2.00   | 85°03'10"  | 1.83  | 2.97  |
| 14  | 2.00   | 154°33'59" | 8.86  | 5.40  |
| 20  | 120.00 | 22°13'43"  | 23.57 | 46.56 |



PEDESTRIAN PASSAGEWAY DETAIL

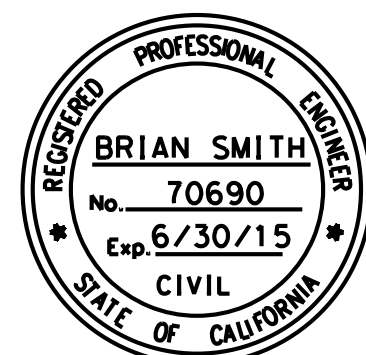


SCALE: 1" = 5'

Underground Service Alert



Call: TOLL FREE  
1-800  
422-4133



**AECOM**

901 VIA PIEMONTE  
5TH FLOOR  
ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

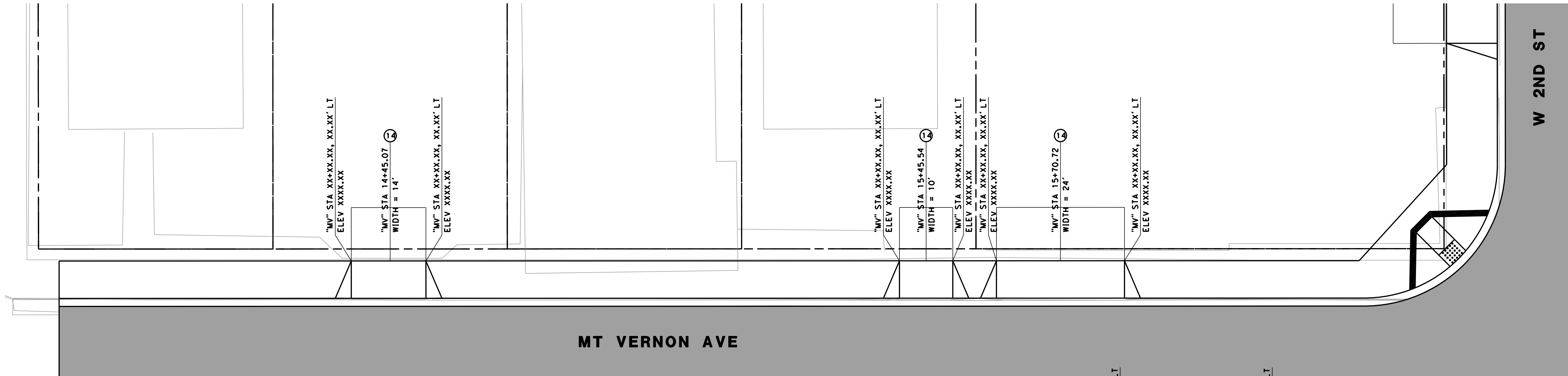
| MARK                                                                                                                            | REVISIONS | BY | APPR | DATE |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|----|------|------|
|                                                                                                                                 |           |    |      |      |
| BENCHMARK:<br>CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |



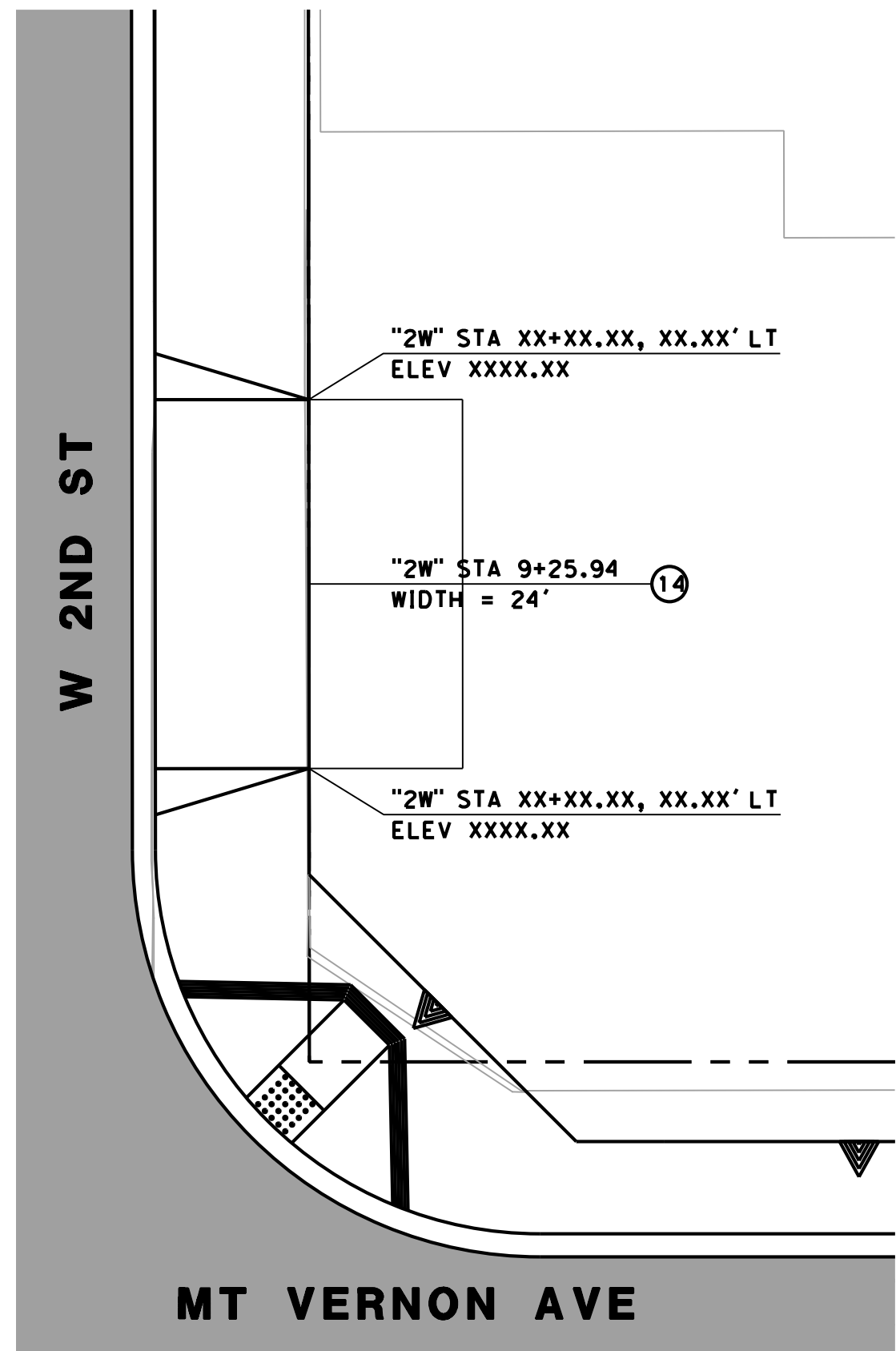
|                 |                      |
|-----------------|----------------------|
| APPROVED        | 20 12                |
| CITY ENGINEER   | ROBERT G. EISENBEISZ |
| RCE NO.         | 24931                |
| EXP             | 6-30-15              |
| DRAWN BY:       | A. CADD              |
| CHECKED BY:     |                      |
| RECOMMENDED BY: |                      |

|                                                                                |                                                  |
|--------------------------------------------------------------------------------|--------------------------------------------------|
| <b>CITY OF SAN BERNARDINO</b><br>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING | DRAWING NO.<br><b>C-2</b>                        |
| <b>MOUNT VERNON GRADE SEPARATION<br/>BRIDGE REPLACEMENT</b>                    | SHEET ____ OF<br>____ SHEETS                     |
| <b>CONSTRUCTION DETAILS</b>                                                    | FOR CITY USE ONLY: FILE NO. _____ W.O. NO. _____ |

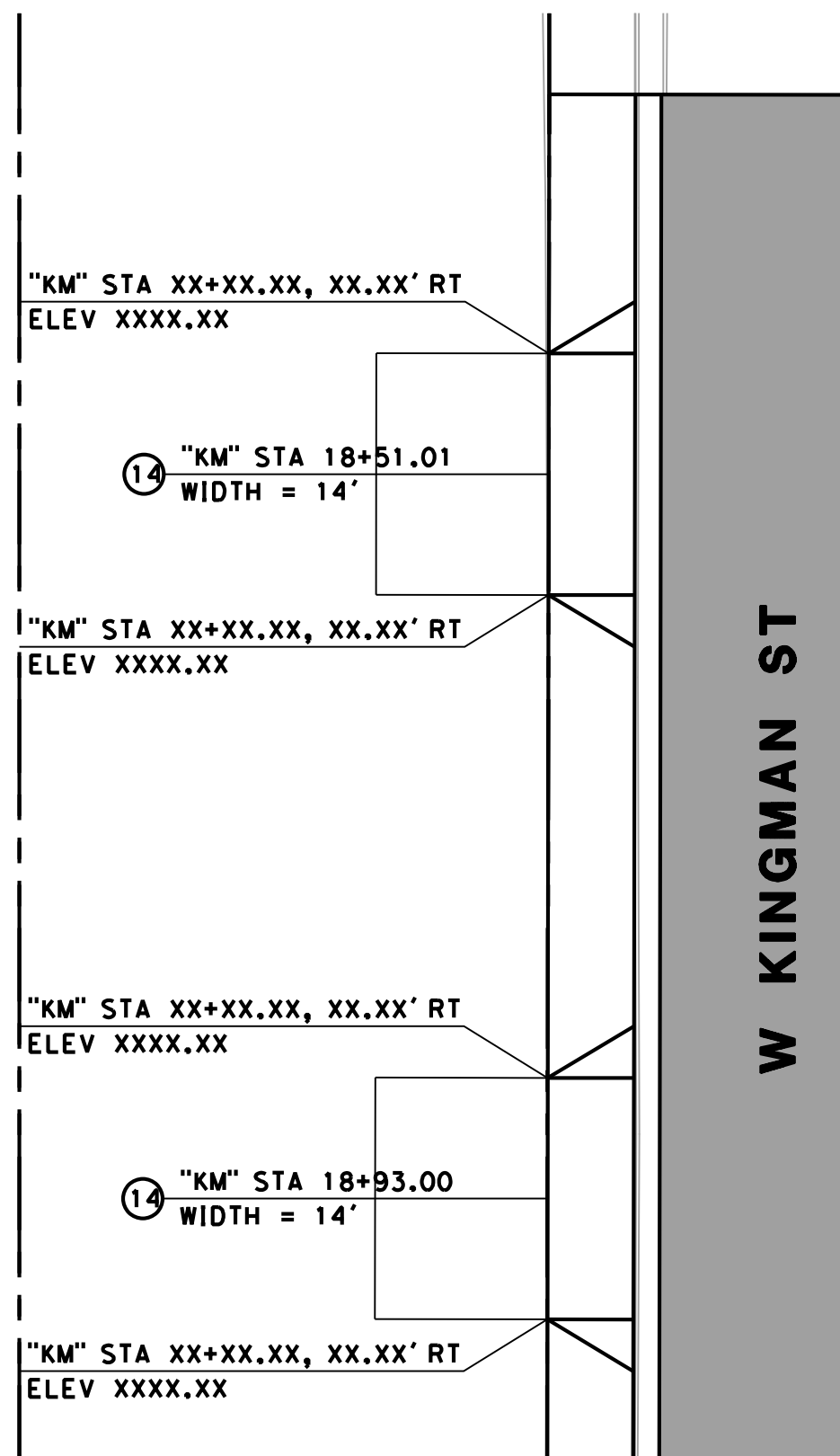




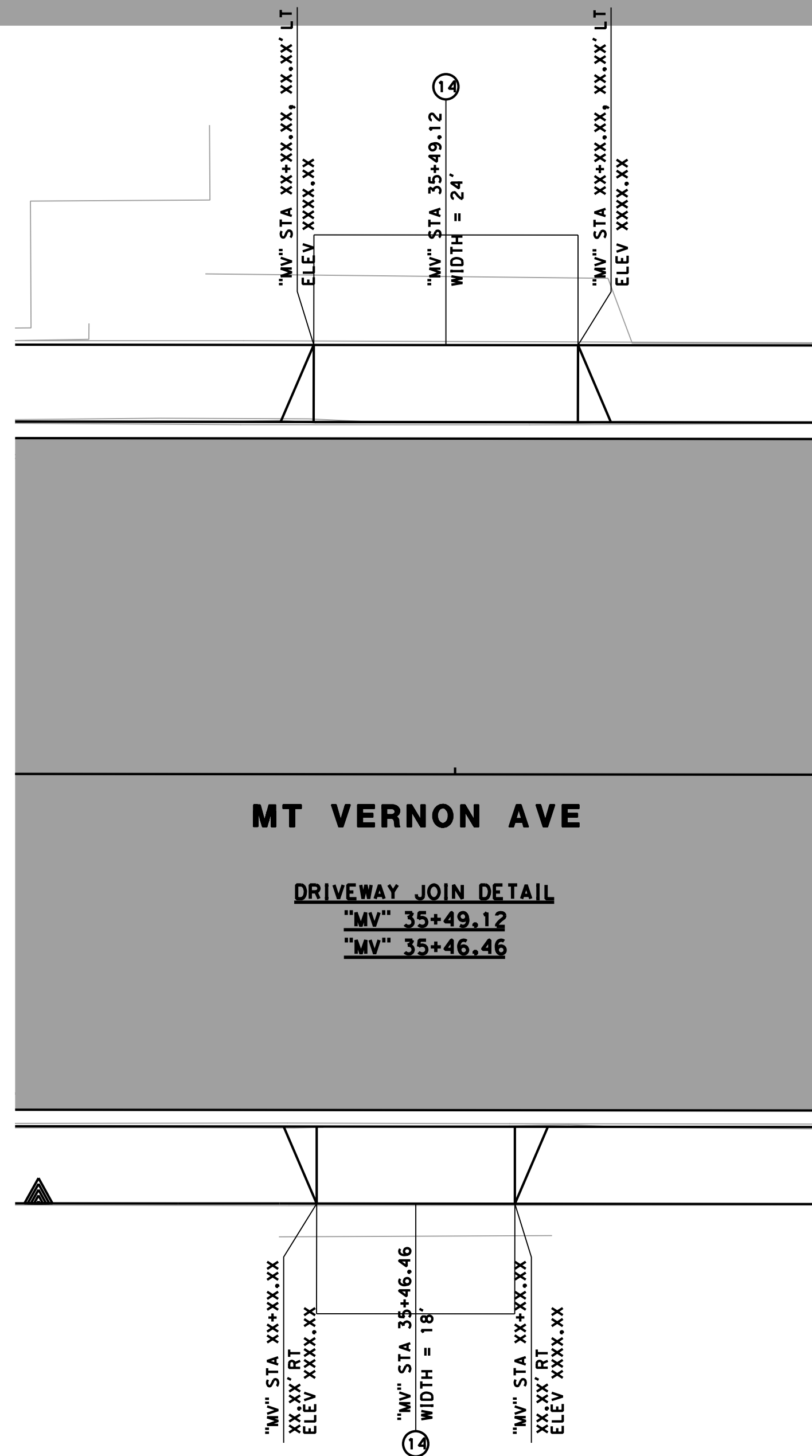
DRIVEWAY JOIN DETAIL  
"MV" 14+45.07  
"MV" 15+45.54  
"MV" 15+70.72



DRIVEWAY JOIN DETAIL  
"2W" 9+25.94



DRIVEWAY JOIN DETAIL  
"KM" 18+51.01  
"KM" 18+93.00



DRIVEWAY JOIN DETAIL  
"MV" 35+49.12  
"MV" 35+46.46

CONSTRUCTION NOTES

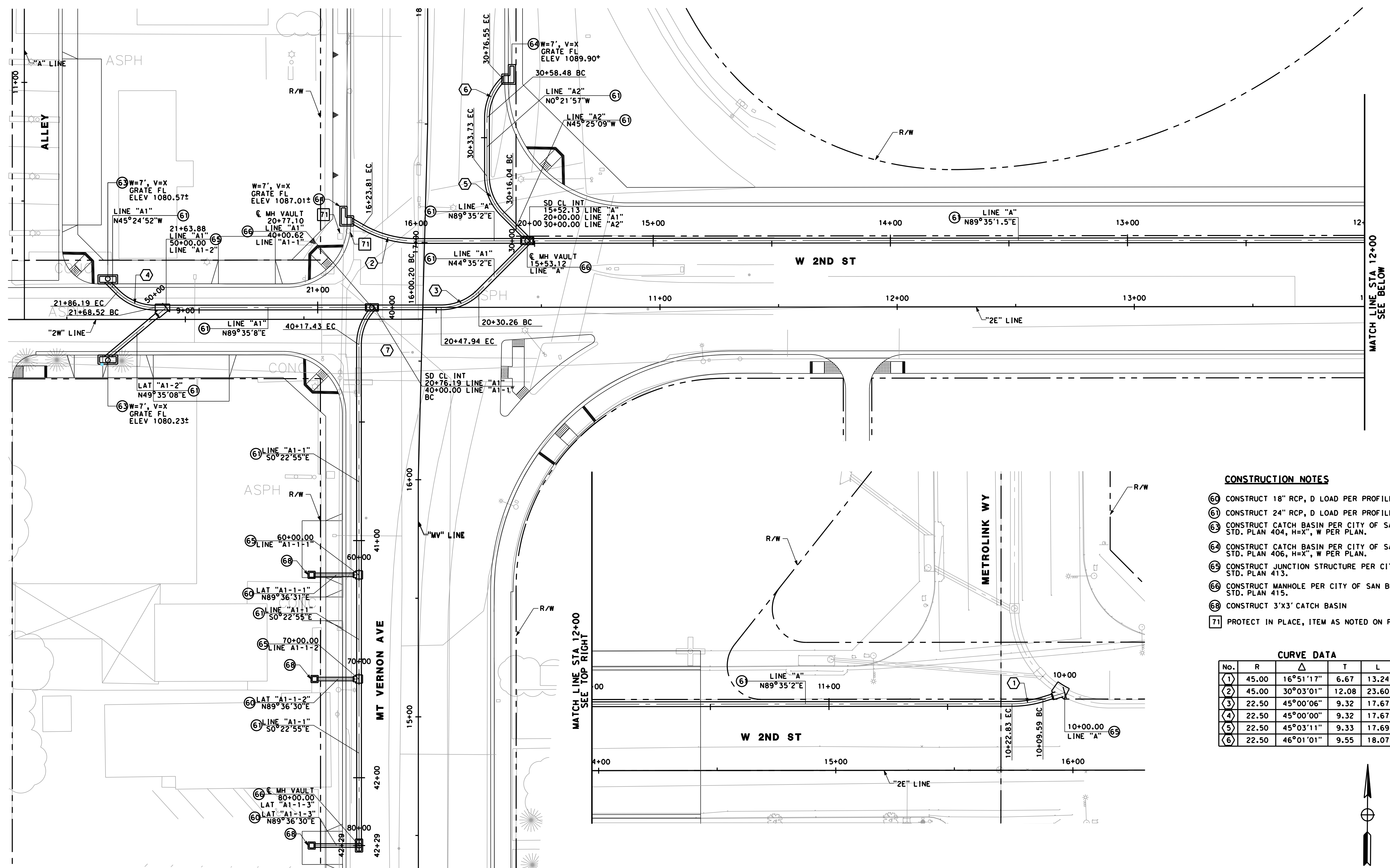
- 14 CONSTRUCT PCC COMMERCIAL DRIVEWAY APPROACH PER CITY OF SAN BERNARDINO PUBLIC WORKS DEPARTMENT STD PLAN 204



SCALE: 1" = 10'

|                                                                                                                             |                                                                                                                                        |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                             |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |                                                                |
|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|----|------|------|------------|--|--|--|--|-----------------------------|--|--|--|--|----------------------------------------|--|--|--|--|------------------------------------------|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <p>Underground Service Alert</p> <p>Call: TOLL FREE</p> <p>1-800</p> <p>422-4133</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p> | <p>REGISTERED PROFESSIONAL ENGINEER</p> <p>BRIAN SMITH</p> <p>No. 70690</p> <p>Exp 6/30/15</p> <p>CIVIL</p> <p>STATE OF CALIFORNIA</p> | <p><b>AECOM</b></p> <p>901 VIA PIEMONTE</p> <p>5TH FLOOR</p> <p>ONTARIO, CA 91764</p> <p>APPROVED BY: _____ DATE: _____</p> | <table><tr><td>MARK</td><td>REVISIONS</td><td>BY</td><td>APPR</td><td>DATE</td></tr><tr><td colspan="5">BENCHMARK:</td></tr><tr><td colspan="5">CITY OF SAN BERNARDINO B7-1</td></tr><tr><td colspan="5">USC &amp; GS DESIGNATION: H-524 RESET 1962</td></tr><tr><td colspan="5">ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</td></tr></table> | MARK | REVISIONS | BY | APPR | DATE | BENCHMARK: |  |  |  |  | CITY OF SAN BERNARDINO B7-1 |  |  |  |  | USC & GS DESIGNATION: H-524 RESET 1962 |  |  |  |  | ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |  |  |  |  | <p>REGISTERED PROFESSIONAL ENGINEER</p> <p>ROBERT G. EISENDELSZ</p> <p>No. 54931</p> <p>CIVIL</p> <p>STATE OF CALIFORNIA</p> | <p>APPROVED _____ 20 12</p> <p>CITY ENGINEER <u>ROBERT G. EISENDELSZ</u></p> <p>RCE NO. <u>24931</u> EXP <u>6-30-15</u></p> <p>DRAWN BY: <u>A. CADD</u></p> <p>CHECKED BY: _____</p> <p>RECOMMENDED BY: _____</p> | <p><b>CITY OF SAN BERNARDINO</b></p> <p>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING</p> <p><b>MOUNT VERNON GRADE SEPARATION</b></p> <p><b>BRIDGE REPLACEMENT</b></p> <p><b>CONSTRUCTION DETAILS</b></p> <p>FOR CITY USE ONLY: FILE NO. _____ W.O. NO. _____</p> | <p>DRAWING NO. <b>C-3</b></p> <p>SHEET ____ OF ____ SHEETS</p> |
| MARK                                                                                                                        | REVISIONS                                                                                                                              | BY                                                                                                                          | APPR                                                                                                                                                                                                                                                                                                                                        | DATE |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |                                                                |
| BENCHMARK:                                                                                                                  |                                                                                                                                        |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                             |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |                                                                |
| CITY OF SAN BERNARDINO B7-1                                                                                                 |                                                                                                                                        |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                             |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |                                                                |
| USC & GS DESIGNATION: H-524 RESET 1962                                                                                      |                                                                                                                                        |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                             |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |                                                                |
| ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)                                                                                    |                                                                                                                                        |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                             |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |                                                                |



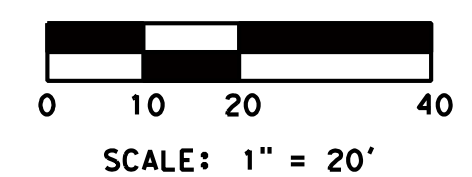


CONSTRUCTION NOTES

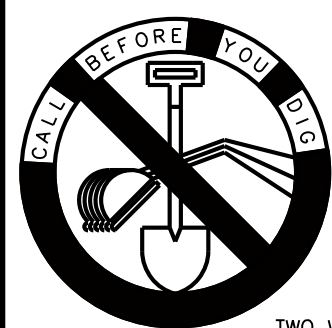
- 63 CONSTRUCT 18" RCP, D LOAD PER PROFILE.
- 64 CONSTRUCT 24" RCP, D LOAD PER PROFILE.
- 65 CONSTRUCT CATCH BASIN PER CITY OF SAN BERNARDINO STD. PLAN 404, H=X", W PER PLAN.
- 66 CONSTRUCT CATCH BASIN PER CITY OF SAN BERNARDINO STD. PLAN 406, H=X", W PER PLAN.
- 69 CONSTRUCT JUNCTION STRUCTURE PER CITY OF SAN BERNARDINO STD. PLAN 413.
- 66 CONSTRUCT MANHOLE PER CITY OF SAN BERNARDINO STD. PLAN 415.
- 68 CONSTRUCT 3'X3' CATCH BASIN
- 71 PROTECT IN PLACE, ITEM AS NOTED ON PLANS

CURVE DATA

| No. | R     | Δ         | T     | L     |
|-----|-------|-----------|-------|-------|
| 1   | 45.00 | 16°51'17" | 6.67  | 13.24 |
| 2   | 45.00 | 30°03'01" | 12.08 | 23.60 |
| 3   | 22.50 | 45°00'06" | 9.32  | 17.67 |
| 4   | 22.50 | 45°00'00" | 9.32  | 17.67 |
| 5   | 22.50 | 45°03'11" | 9.33  | 17.69 |
| 6   | 22.50 | 46°01'01" | 9.55  | 18.07 |

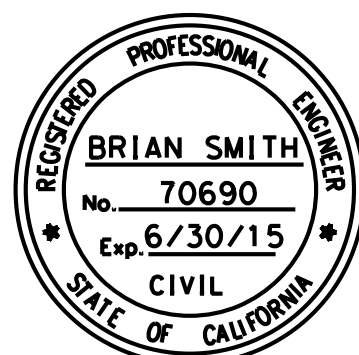


Underground Service Alert



Call: TOLL FREE  
1-800  
422-4133

TWO WORKING DAYS BEFORE YOU DIG



**AECOM**

901 VIA PIEMONTE  
5TH FLOOR  
ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK                                                                                                                            | REVISIONS | BY | APPR | DATE |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|----|------|------|
| BENCHMARK:<br>CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |

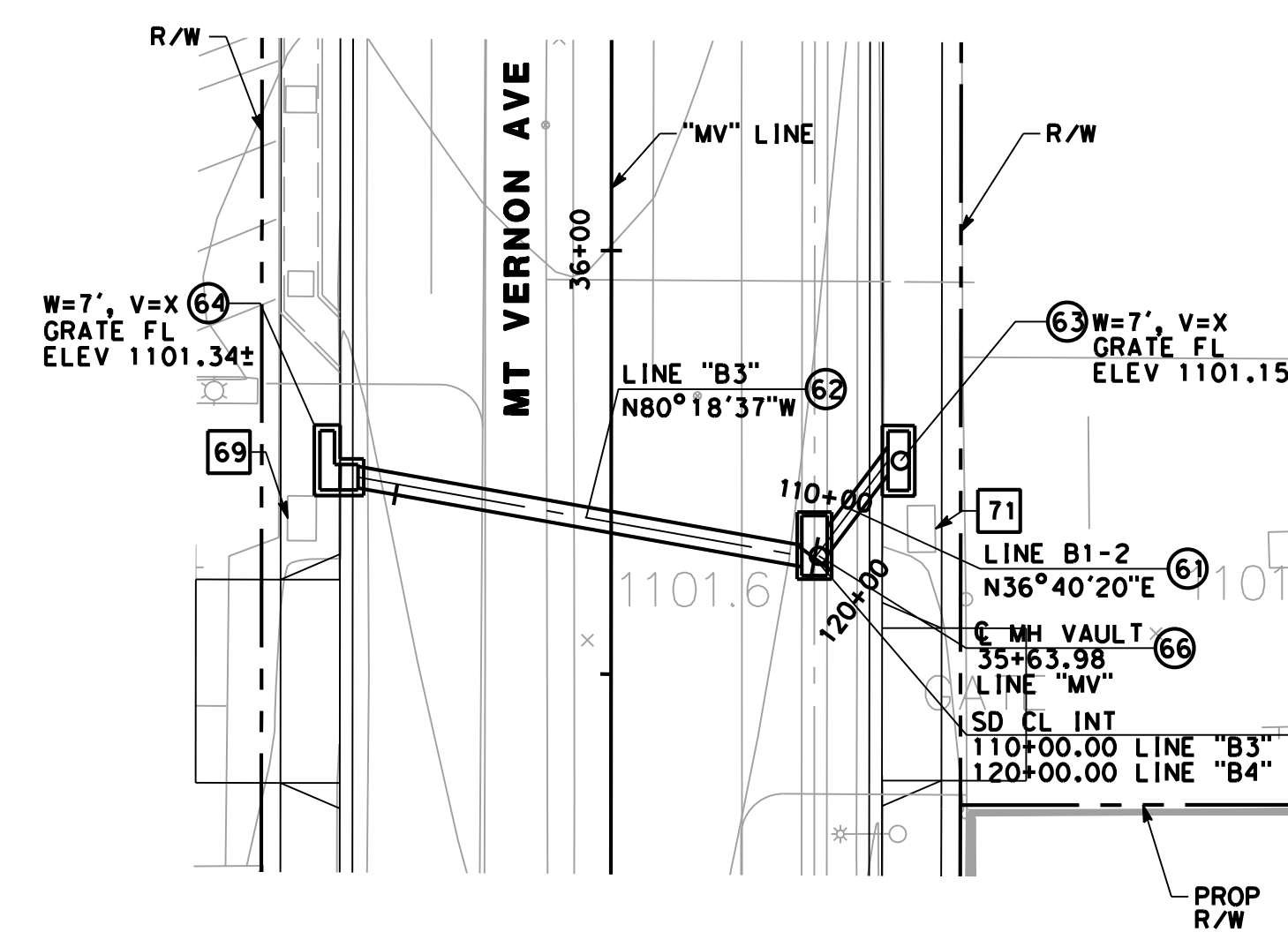
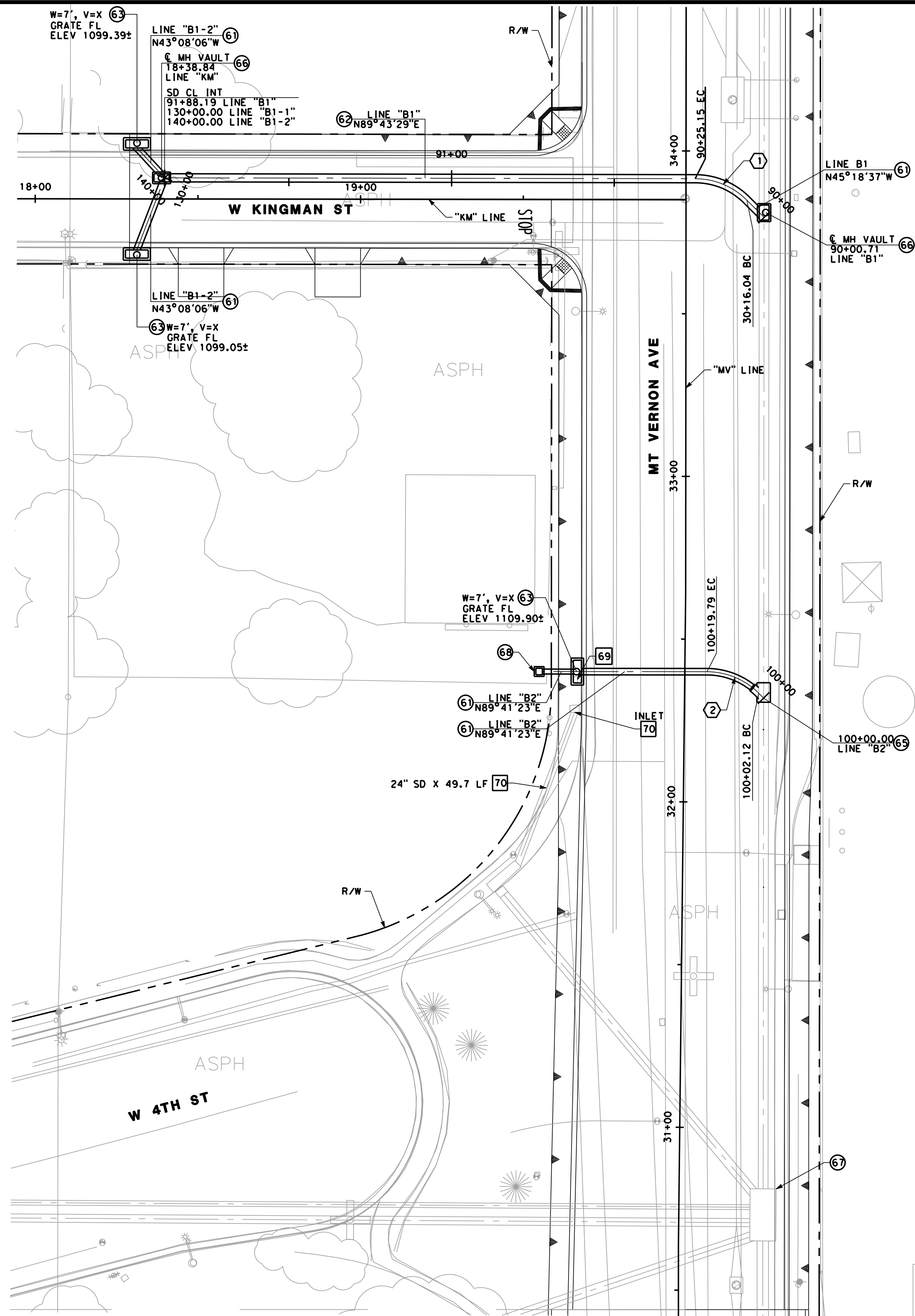


|                 |                      |
|-----------------|----------------------|
| APPROVED        | 20 12                |
| CITY ENGINEER   | ROBERT G. EISENBEISZ |
| RCE NO.         | 24931 EXP. 6-30-15   |
| DRAWN BY:       | A. CADD              |
| CHECKED BY:     |                      |
| RECOMMENDED BY: |                      |

|                                                                                |          |
|--------------------------------------------------------------------------------|----------|
| <b>CITY OF SAN BERNARDINO</b><br>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING |          |
| <b>MOUNT VERNON GRADE SEPARATION<br/>BRIDGE REPLACEMENT</b>                    |          |
| <b>STORM DRAIN LAYOUT</b>                                                      |          |
| FOR CITY USE ONLY: FILE NO.                                                    | W.O. NO. |

DRAWING NO.  
**D-1**  
SHEET \_\_\_\_ OF \_\_\_\_ SHEETS



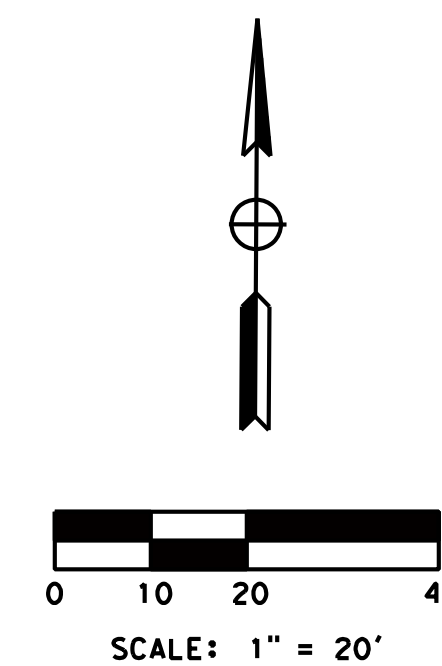


# CONSTRUCTION NOTES

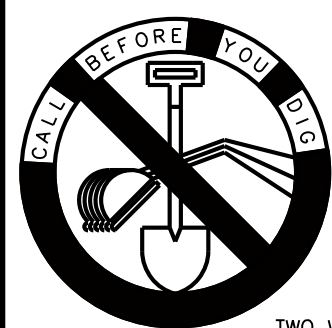
- ⑥1 CONSTRUCT 24" RCP, D LOAD PER PROFILE.
- ⑥2 CONSTRUCT 30" RCP, D LOAD PER PROFILE.
- ⑥3 CONSTRUCT CATCH BASIN PER CITY OF SAN BERNARDINO STD. PLAN 404, H=X", W PER PLAN.
- ⑥4 CONSTRUCT CATCH BASIN PER CITY OF SAN BERNARDINO STD. PLAN 406, H=X", W PER PLAN.
- ⑥5 CONSTRUCT JUNCTION STRUCTURE PER CITY OF SAN BERNARDINO STD. PLAN 413.
- ⑥6 CONSTRUCT MANHOLE PER CITY OF SAN BERNARDINO STD. PLAN 415.
- ⑥7 ADJUST RIM TO GRADE
- ⑥8 CONSTRUCT 3'X3' CATCH BASIN
- ⑥9 RELOCATE ITEM AS SHOWN ON PLAN
- ⑦0 REMOVE ITEM AS SHOWN
- ⑦1 PROTECT IN PLACE, ITEM AS NOTED ON PLANS

# CURVE DATA

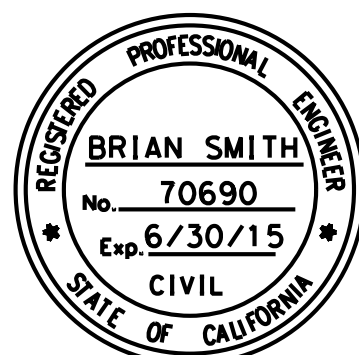
| No. | R     | $\Delta$  | T    | L     |
|-----|-------|-----------|------|-------|
| ①   | 22.50 | 44°57'54" | 9.31 | 17.66 |
| ②   | 22.50 | 45°00'00" | 9.32 | 17.67 |



Underground Service Alert



Call: TOLL FREE  
1-800  
422-4133



**AECOM**

901 VIA PIEMONTE  
5TH FLOOR  
ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK                                     | REVISIONS | BY | APPR | DATE |
|------------------------------------------|-----------|----|------|------|
| BENCHMARK:                               |           |    |      |      |
| CITY OF SAN BERNARDINO B7-1              |           |    |      |      |
| USC & GS DESIGNATION: H-524 RESET 1962   |           |    |      |      |
| ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |



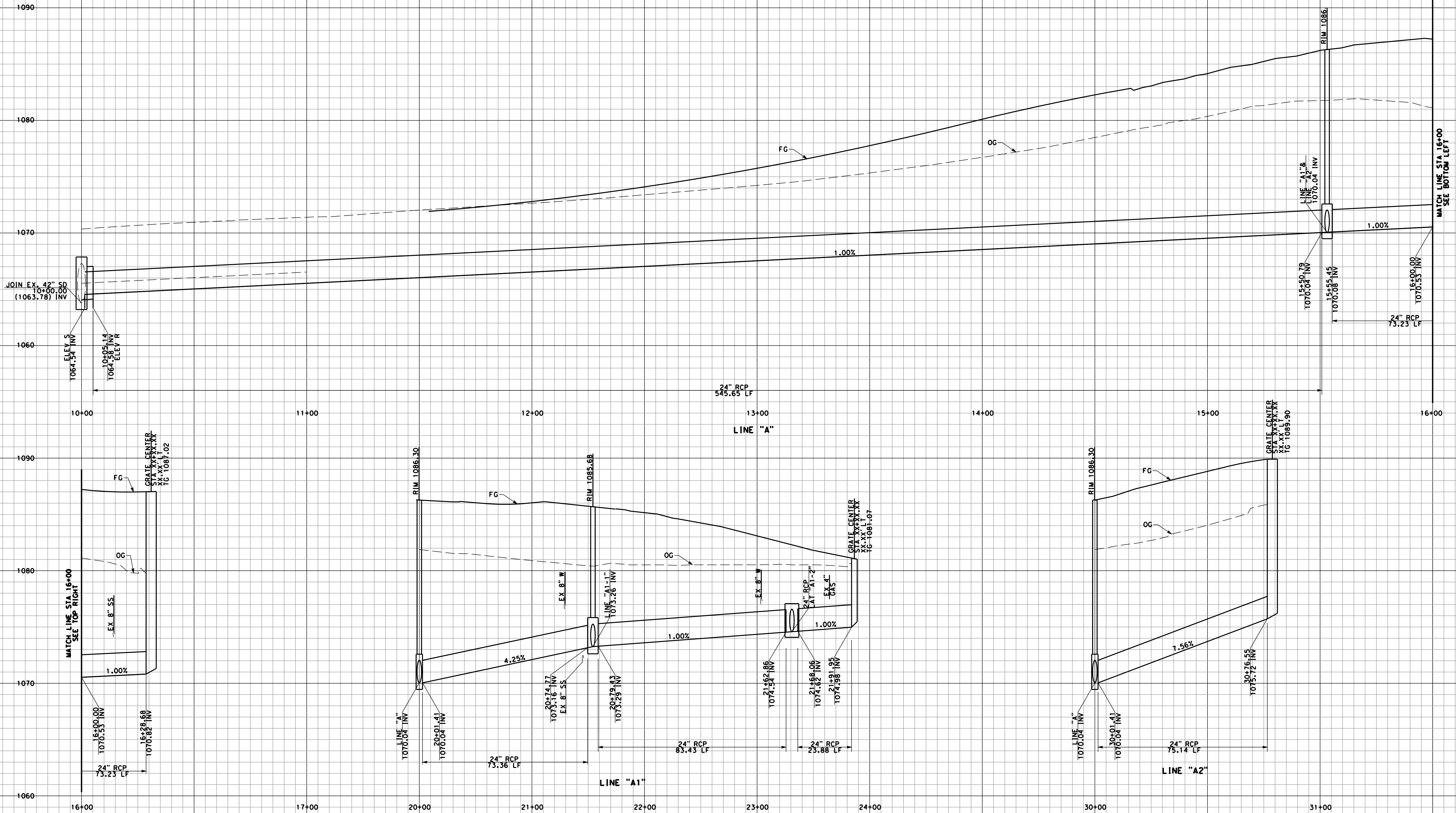
|                 |                      |
|-----------------|----------------------|
| APPROVED        | 20 12                |
| CITY ENGINEER   | ROBERT G. EISENBEISZ |
| RCE NO.         | 24931                |
| EXP             | 6-30-15              |
| DRAWN BY:       | A. CADD              |
| CHECKED BY:     |                      |
| RECOMMENDED BY: |                      |

|                                               |          |
|-----------------------------------------------|----------|
| CITY OF SAN BERNARDINO                        |          |
| DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING |          |
| MOUNT VERNON GRADE SEPARATION                 |          |
| BRIDGE REPLACEMENT                            |          |
| STORM DRAIN LAYOUT                            |          |
| FOR CITY USE ONLY: FILE NO.                   | W.O. NO. |

|                           |     |
|---------------------------|-----|
| DRAWING NO.               | D-2 |
| SHEET ____ OF ____ SHEETS |     |



PROFILE  
SCALE  
HORIZ. 1" = 20'  
VERT. 1" = 4'



Underground Service Alert

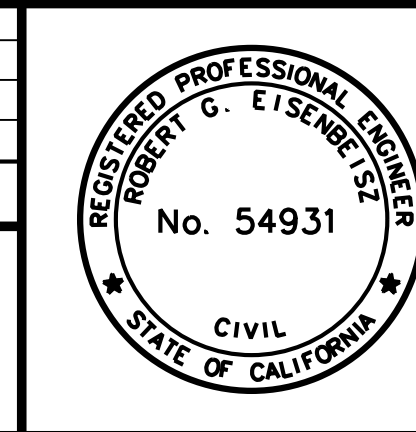
Call: TOLL FREE  
1-800  
422-4133

TWO WORKING DAYS BEFORE YOU DIG

**AECOM**  
901 VIA PIEMONTE  
5TH FLOOR  
ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK                                     | REVISIONS | BY | APPR | DATE |
|------------------------------------------|-----------|----|------|------|
| BENCHMARK:                               |           |    |      |      |
| CITY OF SAN BERNARDINO B7-1              |           |    |      |      |
| USC & GS DESIGNATION: H-524 RESET 1962   |           |    |      |      |
| ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |



APPROVED 20 12

CITY ENGINEER ROBERT G. EISENBEISZ  
RCE NO. 24931 EXP 6-30-15

DRAWN BY: A. CADD

CHECKED BY: \_\_\_\_\_

RECOMMENDED BY: \_\_\_\_\_

**CITY OF SAN BERNARDINO**  
DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING

**MOUNT VERNON GRADE SEPARATION  
BRIDGE REPLACEMENT**

**STORM DRAIN PROFILE**

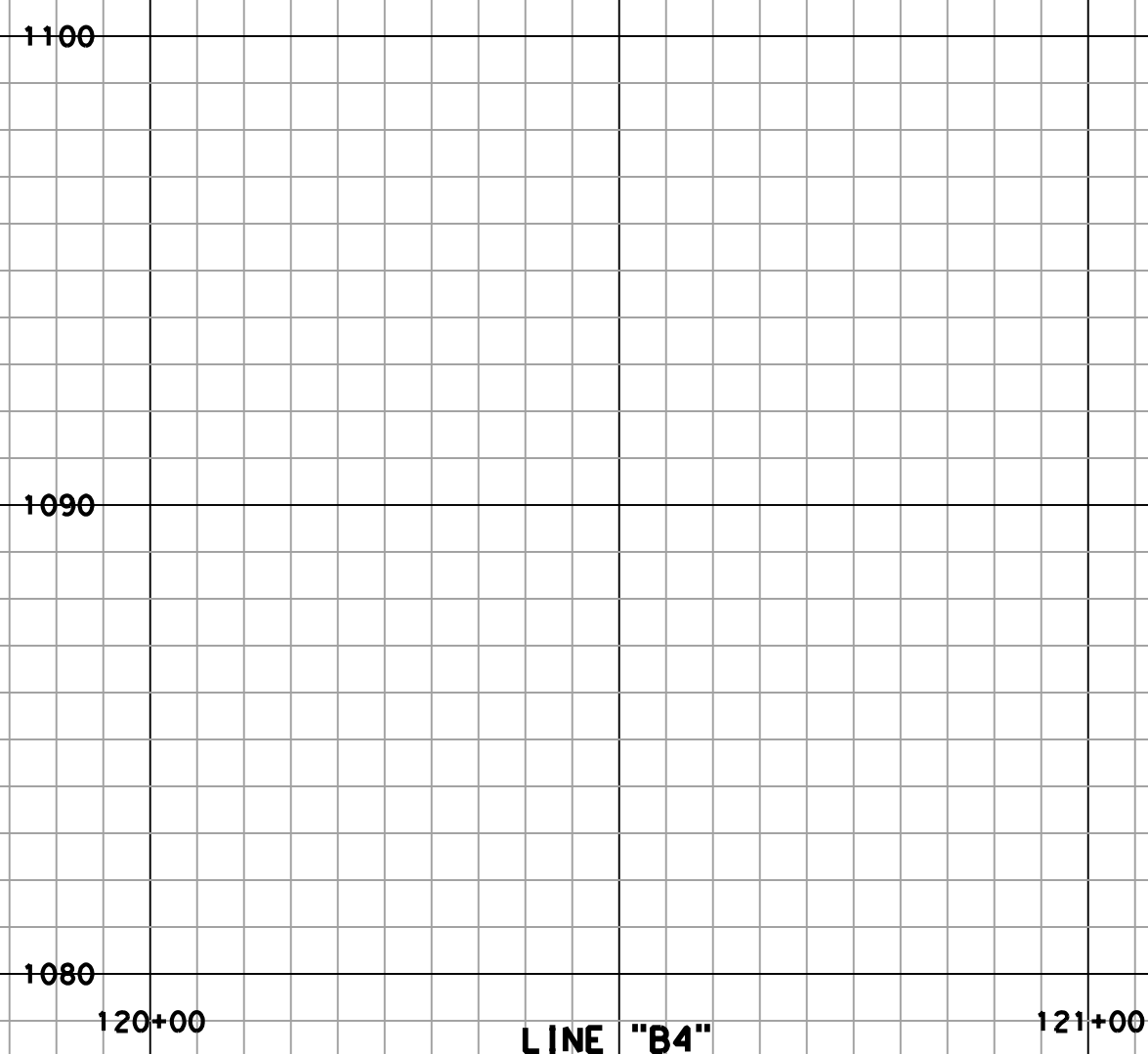
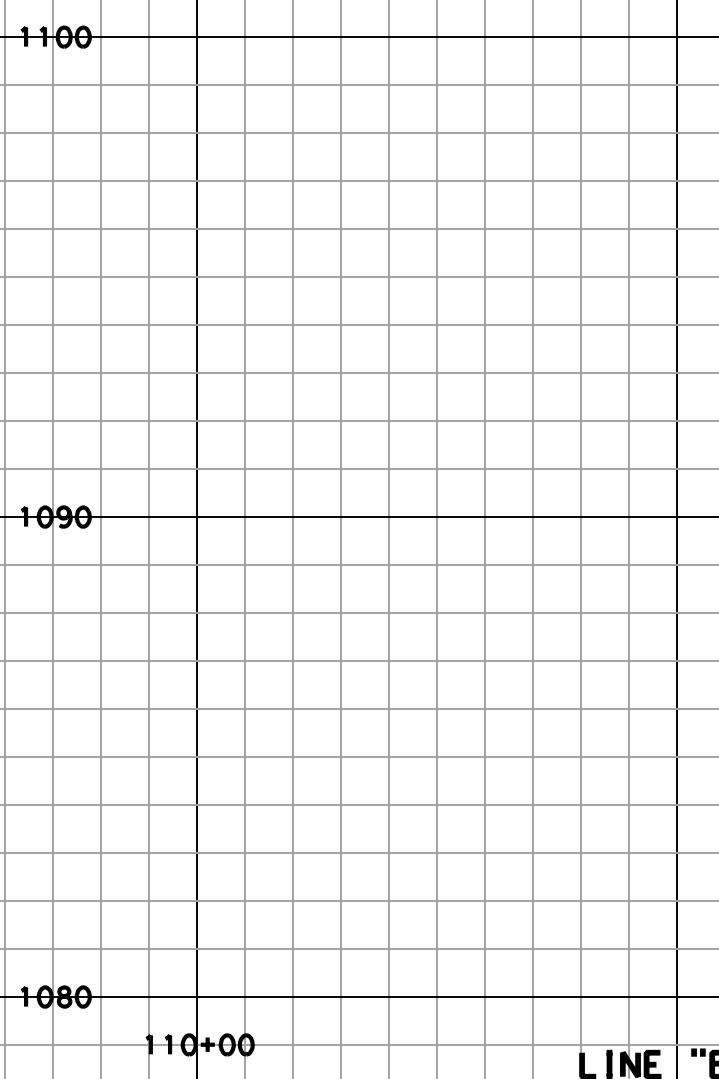
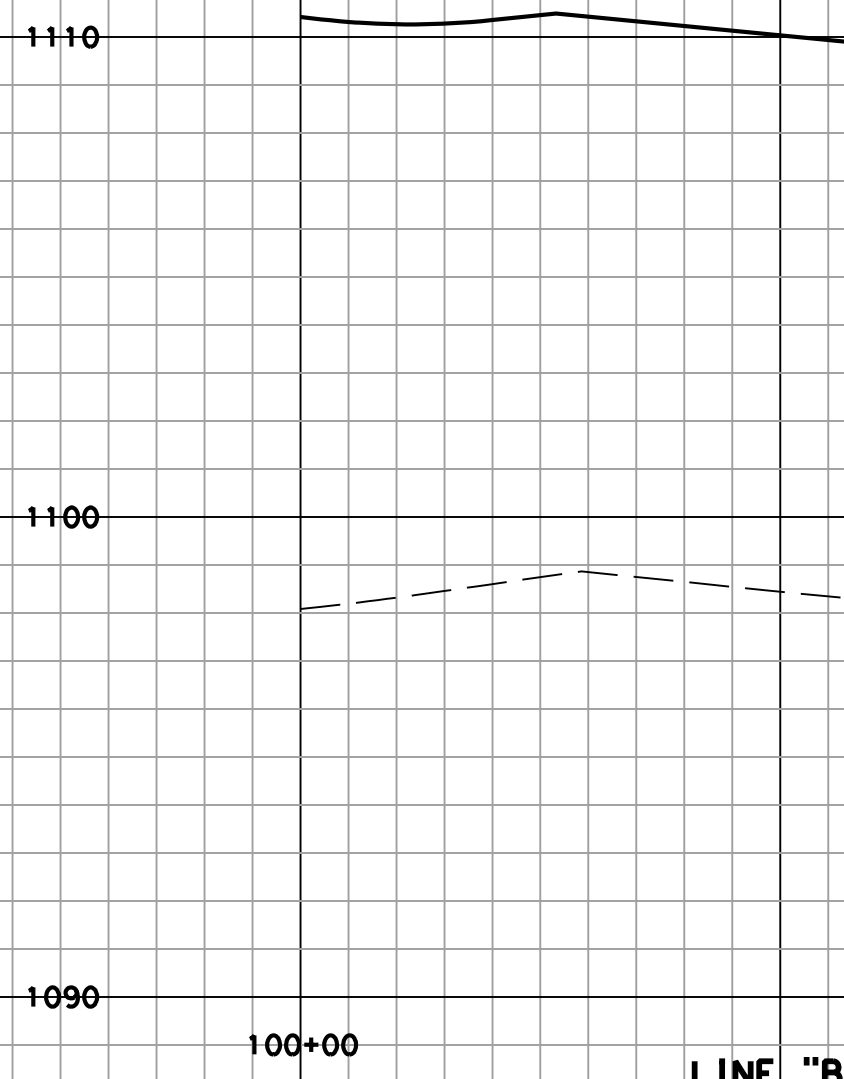
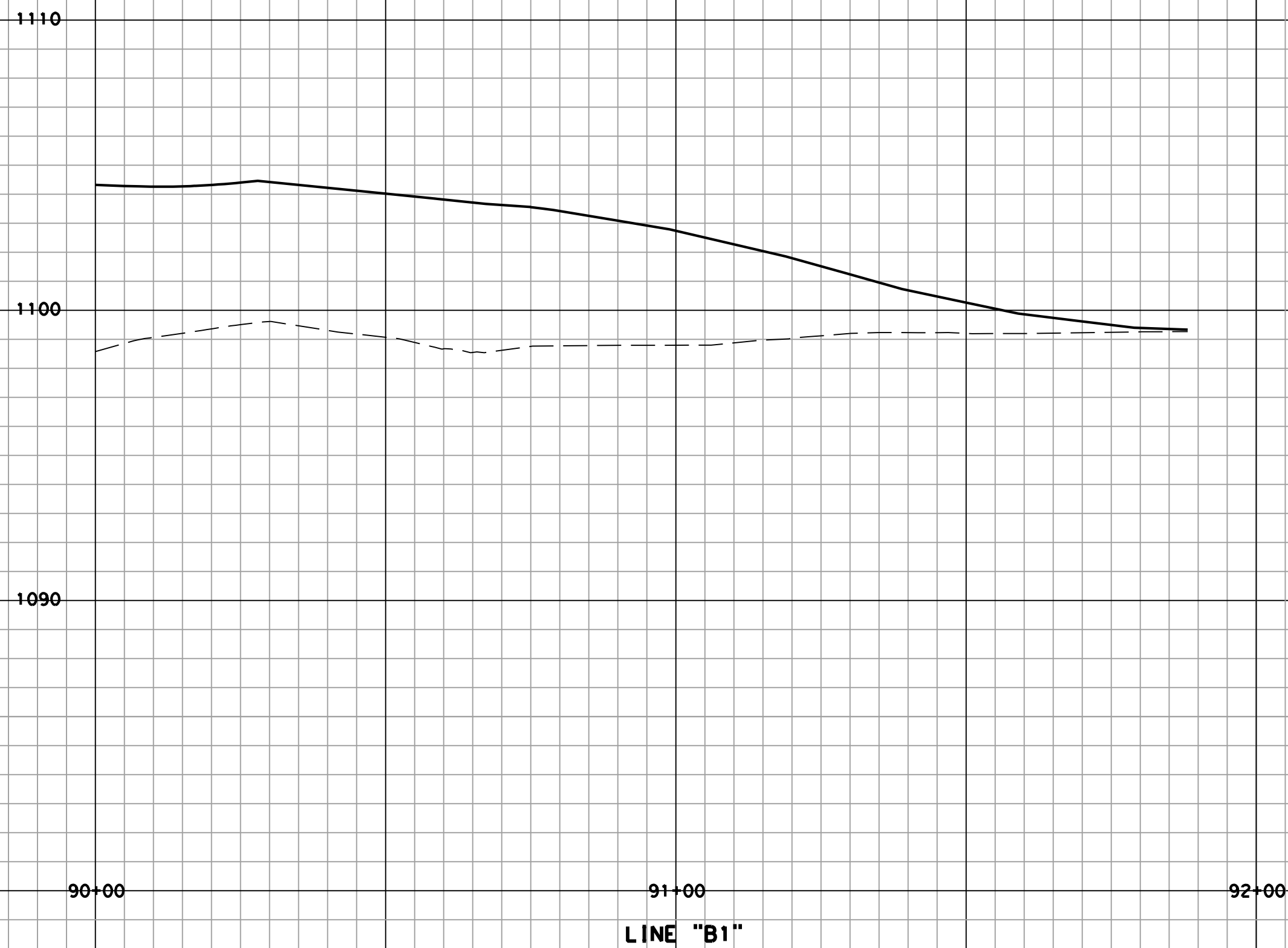
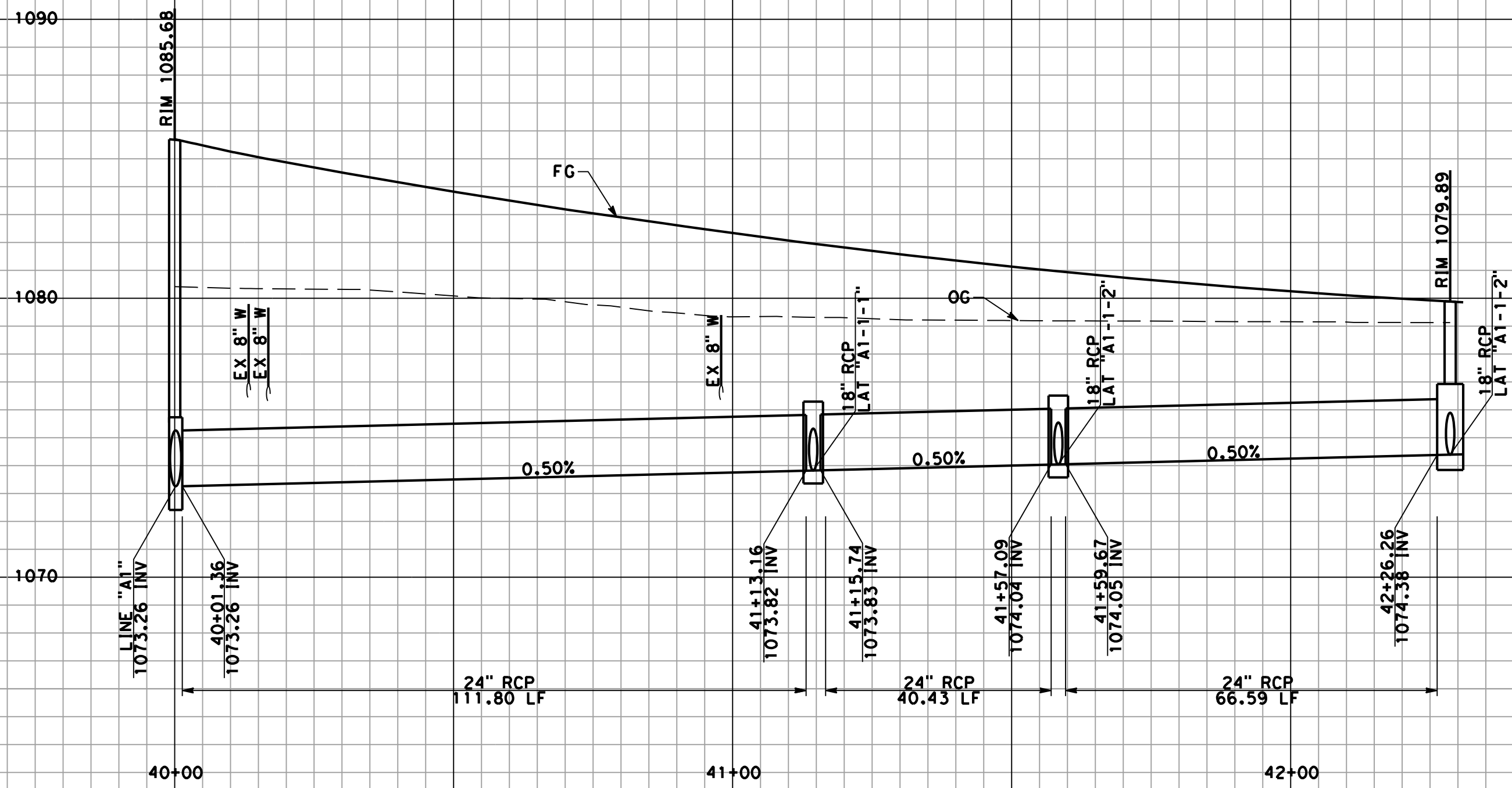
FOR CITY USE ONLY: FILE NO. \_\_\_\_\_ W.O. NO. \_\_\_\_\_

DRAWING NO.  
**DP-1**

SHEET \_\_\_\_ OF \_\_\_\_ SHEETS



PROFILE  
SCALE  
HORIZ. 1" = 20'  
VERT. 1" = 4'





Underground Service Alert  
Call: TOLL FREE  
1-800-422-4133  
TWO WORKING DAYS BEFORE YOU DIG

**AECOM**  
901 VIA PIEMONTE  
5TH FLOOR  
ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK                                                                                                              | REVISIONS | BY | APPR | DATE |
|-------------------------------------------------------------------------------------------------------------------|-----------|----|------|------|
| CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |



REGISTERED PROFESSIONAL ENGINEER  
ROBERT G. EISENBERG  
No. 54931  
CIVIL  
STATE OF CALIFORNIA

APPROVED 20 12

CITY ENGINEER ROBERT G. EISENBERG  
RCE NO. 24931 EXP. 6-30-15

DRAWN BY: A. CADD

CHECKED BY: \_\_\_\_\_

RECOMMENDED BY: \_\_\_\_\_

**CITY OF SAN BERNARDINO**  
DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING

**MOUNT VERNON GRADE SEPARATION  
BRIDGE REPLACEMENT**

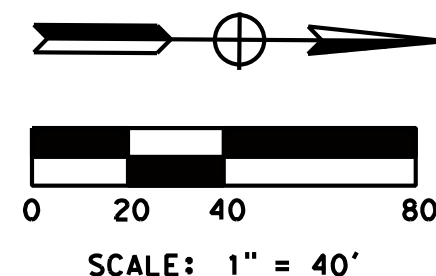
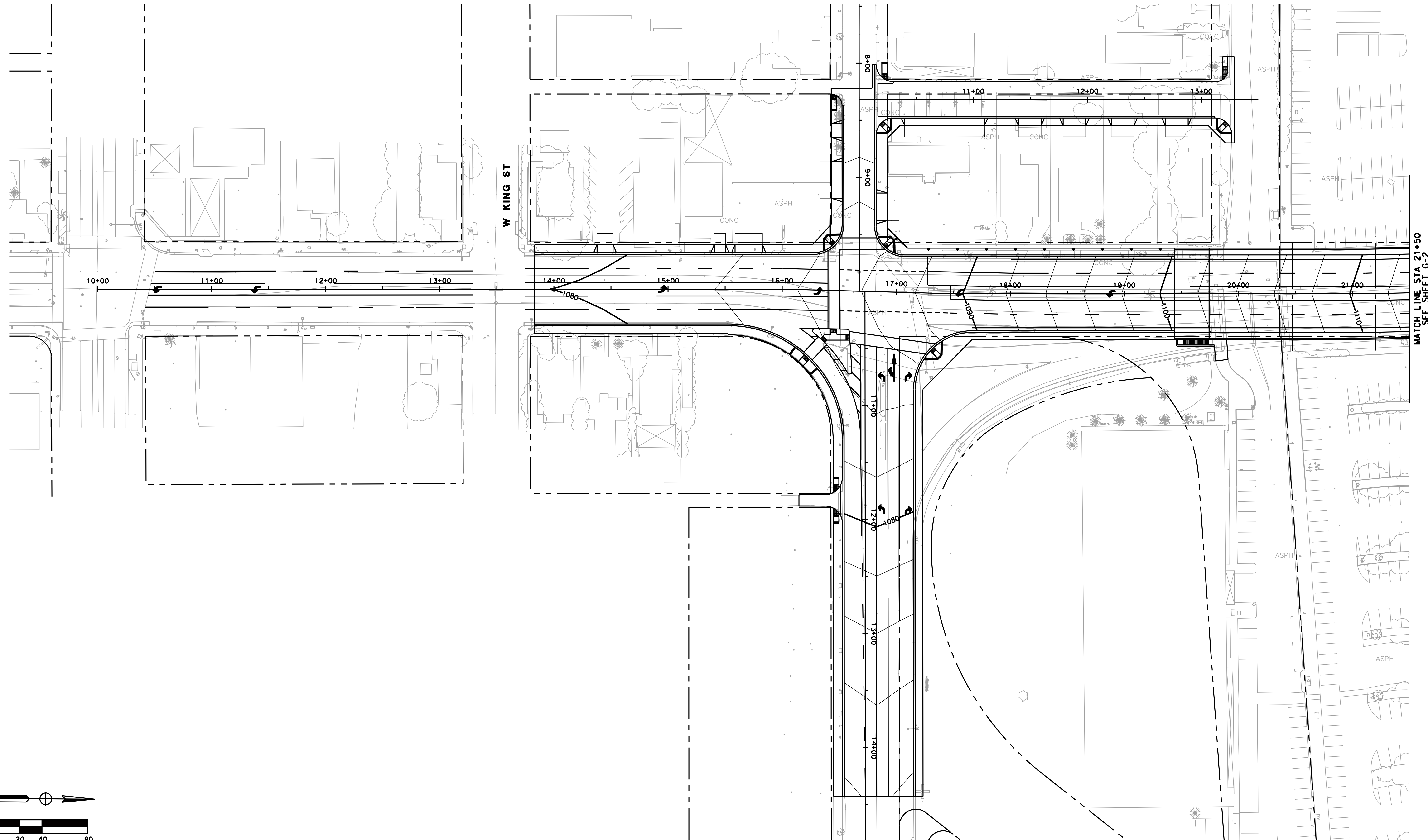
**STORM DRAIN PROFILE**

FOR CITY USE ONLY: FILE NO. \_\_\_\_\_ W.O. NO. \_\_\_\_\_

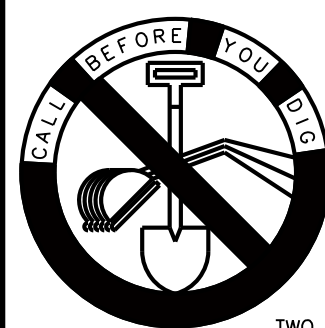
DRAWING NO. **DP-2**

SHEET \_\_\_\_ OF \_\_\_\_ SHEETS

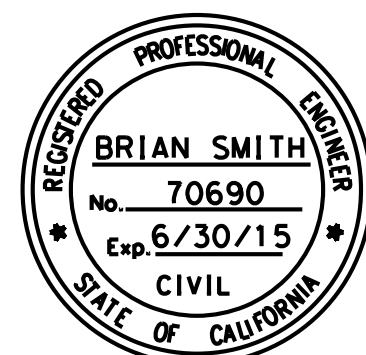




Underground Service Alert



Call: TOLL FREE  
1-800  
422-4133



**AECOM**

901 VIA PIEMONTE  
5TH FLOOR  
ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK                                                                                                                            | REVISIONS | BY | APPR | DATE |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|----|------|------|
| BENCHMARK:<br>CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |

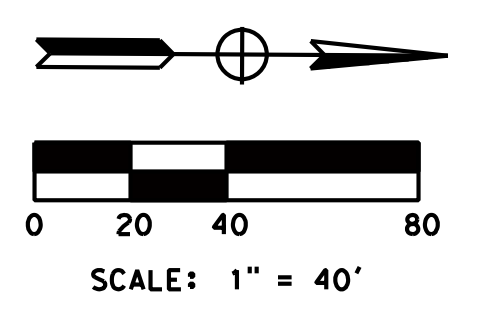
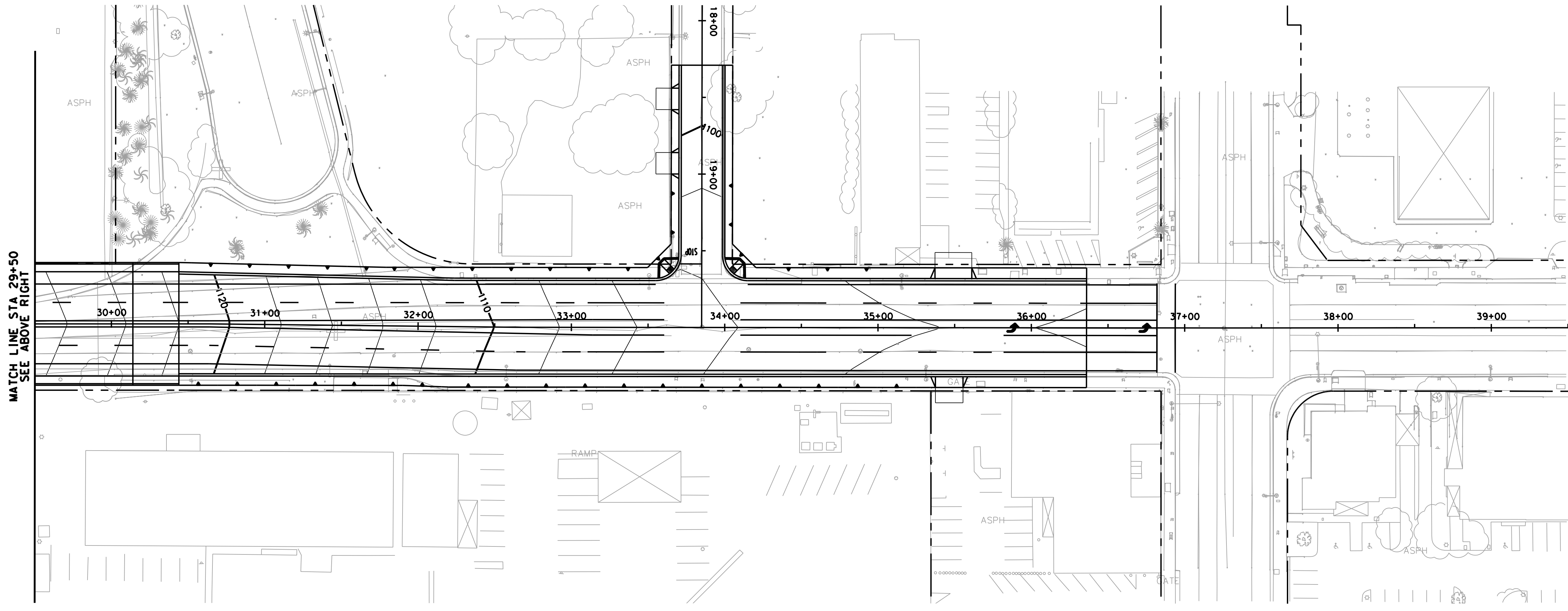
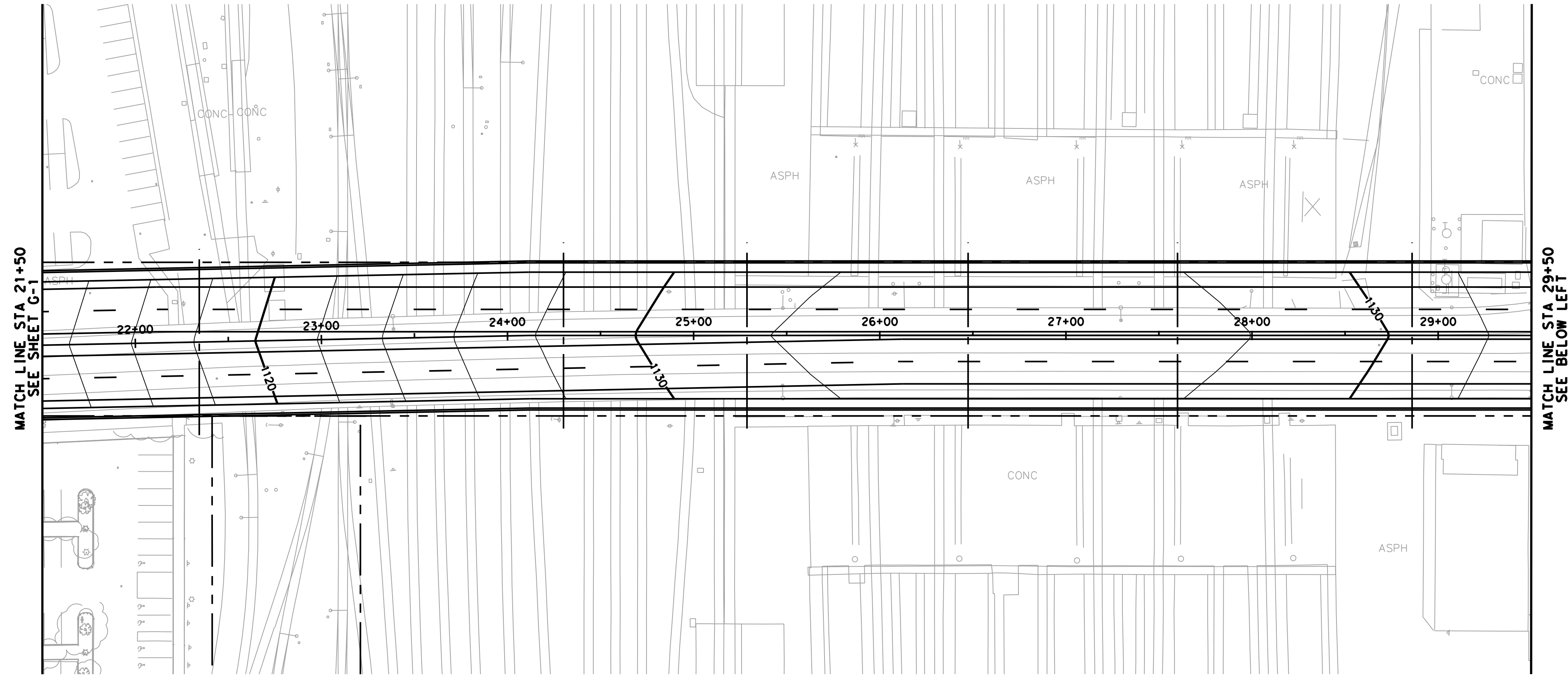


|                 |                      |
|-----------------|----------------------|
| APPROVED        | 20 12                |
| CITY ENGINEER   | ROBERT G. EISENBEISZ |
| RCE NO.         | 24931 EXP 6-30-15    |
| DRAWN BY:       | A. CADD              |
| CHECKED BY:     |                      |
| RECOMMENDED BY: |                      |

|                                                                                |
|--------------------------------------------------------------------------------|
| <b>CITY OF SAN BERNARDINO</b><br>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING |
| <b>MOUNT VERNON GRADE SEPARATION<br/>BRIDGE REPLACEMENT</b>                    |
| <b>CONTOUR GRADING</b>                                                         |
| FOR CITY USE ONLY: FILE NO. _____ W.O. NO. _____                               |

|                              |
|------------------------------|
| DRAWING NO.<br><b>G-1</b>    |
| SHEET ____ OF<br>____ SHEETS |



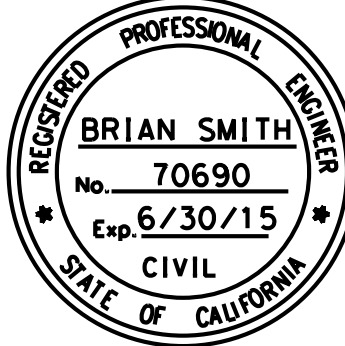


**Underground Service Alert**



Call: TOLL FREE  
1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG



**AECOM**  
901 VIA PIEMONTE  
5TH FLOOR  
ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK                                                                                                                            | REVISIONS | BY | APPR | DATE |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|----|------|------|
| BENCHMARK:<br>CITY OF SAN BERNARDINO B7-1<br>USC & GS DESIGNATION: H-524 RESET 1962<br>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |



**APPROVED** 2012

CITY ENGINEER ROBERT G. EISENBEISZ  
RCE NO. 54931 EXP. 6-30-15

DRAWN BY: A. CADD

CHECKED BY: \_\_\_\_\_

RECOMMENDED BY: \_\_\_\_\_

**CITY OF SAN BERNARDINO**  
DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING

**MOUNT VERNON GRADE SEPARATION  
BRIDGE REPLACEMENT**

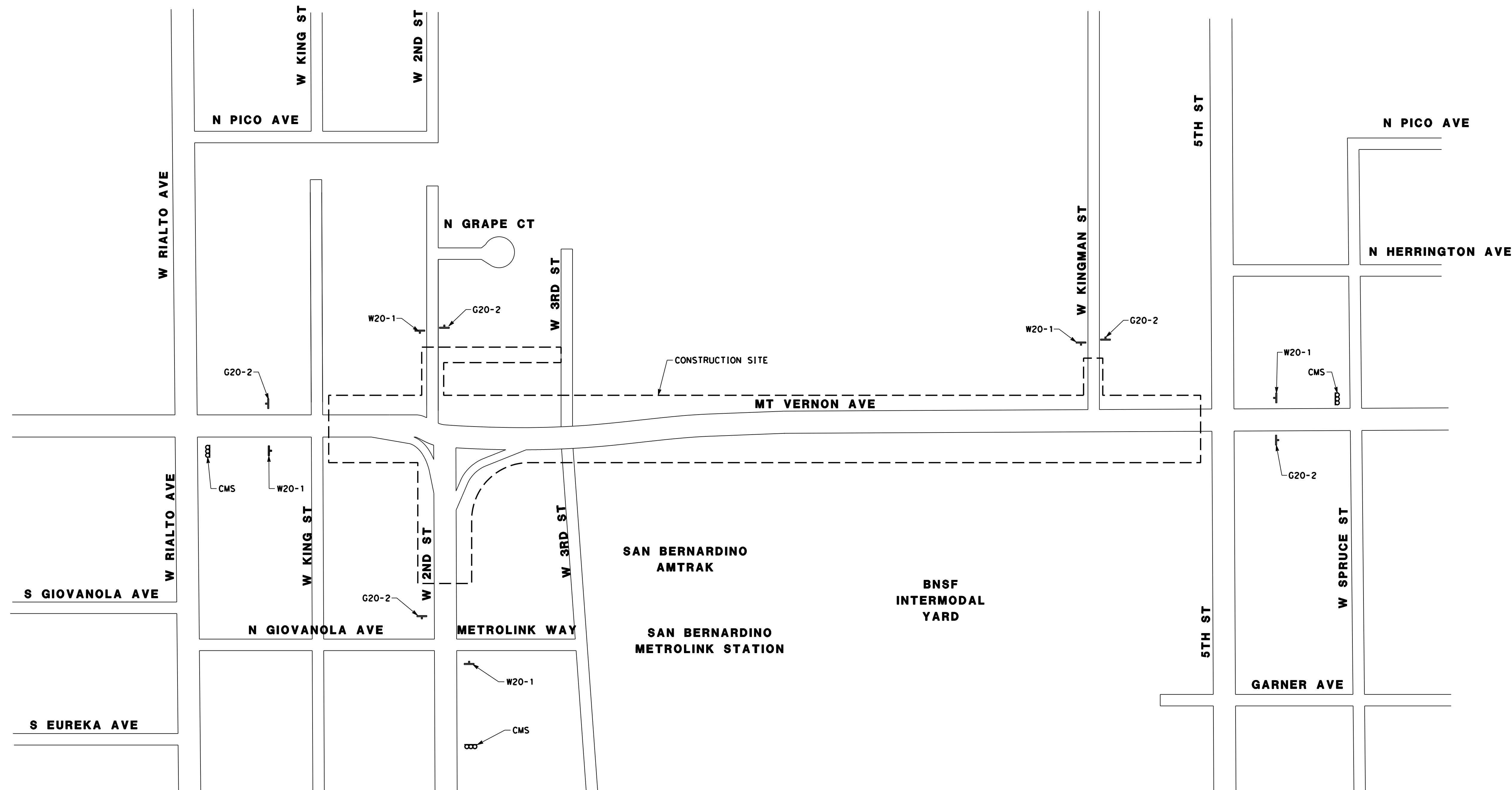
**CONTOUR GRADING**

FOR CITY USE ONLY: FILE NO. \_\_\_\_\_ W.O. NO. \_\_\_\_\_

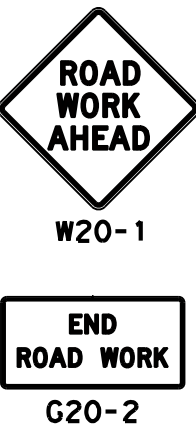
DRAWING NO. **G-2**

SHEET \_\_\_\_ OF \_\_\_\_ SHEETS





- LEGEND:**
- SINGLE SIGN POST
  - == DOUBLE SIGN POST
  - ∞ CHANGEABLE MESSAGE SIGN



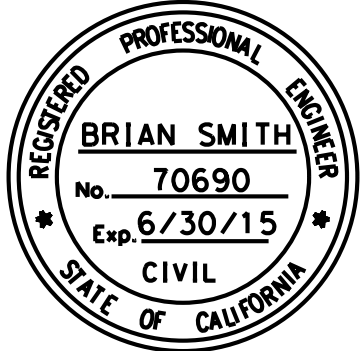
NO SCALE



Underground Service Alert

Call: TOLL FREE 1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG



**AECOM**

901 VIA PIEMONTE  
5TH FLOOR  
ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK | REVISIONS | BY | APPR | DATE |
|------|-----------|----|------|------|
|      |           |    |      |      |
|      |           |    |      |      |
|      |           |    |      |      |

BENCHMARK:

CITY OF SAN BERNARDINO B7-1  
USC & GS DESIGNATION: H-524 RESET 1962  
ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)



APPROVED \_\_\_\_\_ 20 12

CITY ENGINEER ROBERT G. EISENBEISZ  
RCE NO. 54931 EXP. 6-30-15

DRAWN BY: A. CADD

CHECKED BY: \_\_\_\_\_

RECOMMENDED BY: \_\_\_\_\_

**CITY OF SAN BERNARDINO**  
DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING

**MOUNT VERNON GRADE SEPARATION  
BRIDGE REPLACEMENT**

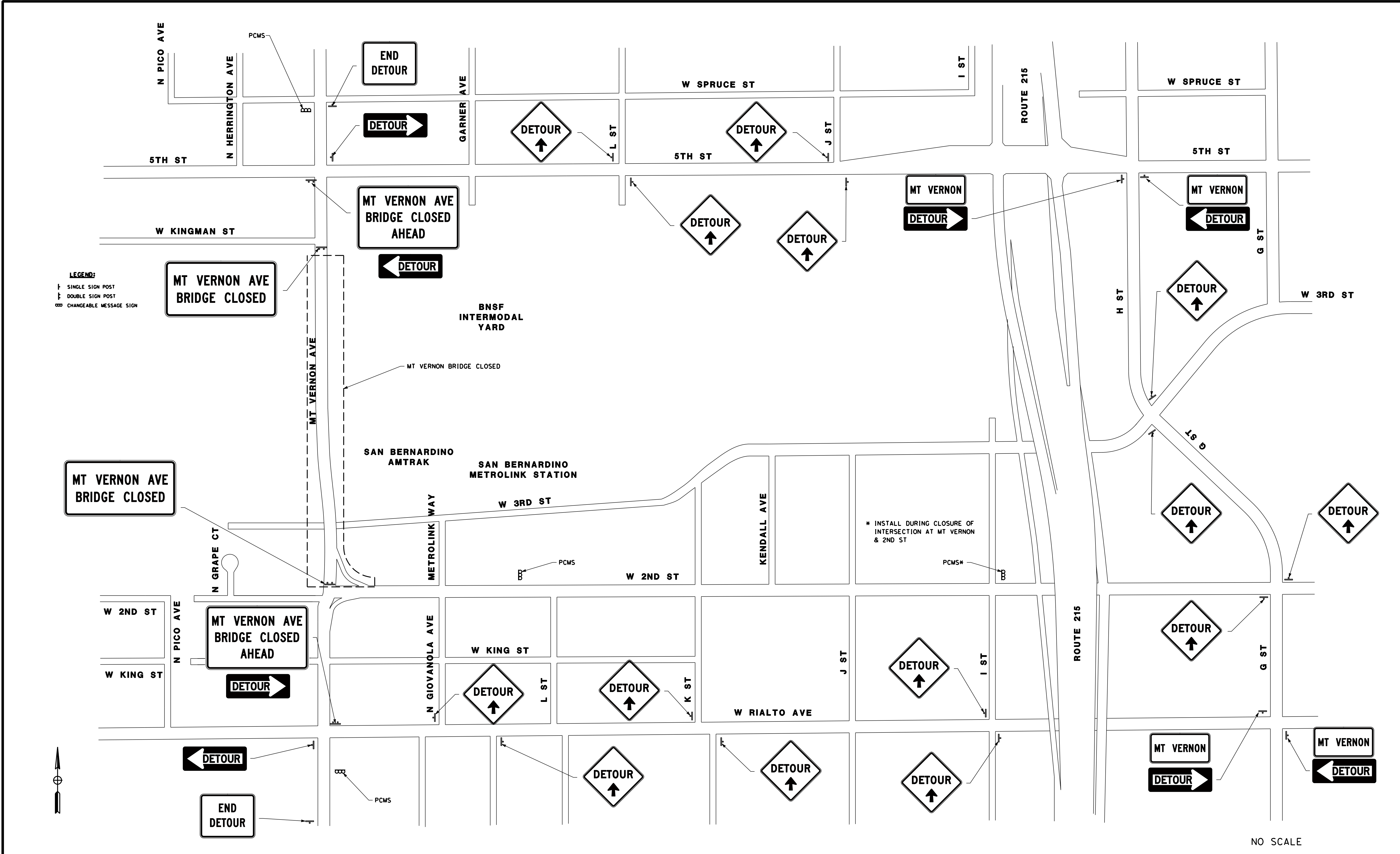
**CONSTRUCTION AREA SIGNS**

FOR CITY USE ONLY: FILE NO. \_\_\_\_\_ W.O. NO. \_\_\_\_\_

DRAWING NO. **CS-1**

SHEET \_\_\_\_ OF \_\_\_\_ SHEETS





Underground Service Alert

Call: TOLL FREE

1-800

422-4133

TWO WORKING DAYS BEFORE YOU DIG

**AECOM**

901 VIA PIEMONTE

5TH FLOOR

ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK                                     | REVISIONS | BY | APPR | DATE |
|------------------------------------------|-----------|----|------|------|
| BENCHMARK:                               |           |    |      |      |
| CITY OF SAN BERNARDINO B7-1              |           |    |      |      |
| USC & GS DESIGNATION: H-524 RESET 1962   |           |    |      |      |
| ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |

REGISTERED PROFESSIONAL ENGINEER

ROBERT G. EISENBEISZ

No. 54931

CIVIL

STATE OF CALIFORNIA

APPROVED \_\_\_\_\_ 20 12

CITY ENGINEER ROBERT G. EISENBEISZ

RCE NO. 24931 EXP. 6-30-15

DRAWN BY: A. CADD

CHECKED BY: \_\_\_\_\_

RECOMMENDED BY: \_\_\_\_\_

**CITY OF SAN BERNARDINO**

DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING

**MOUNT VERNON GRADE SEPARATION**

**BRIDGE REPLACEMENT**

**MOTORIST INFORMATION PLAN**

FOR CITY USE ONLY: FILE NO. \_\_\_\_\_ W.O. NO. \_\_\_\_\_

DRAWING NO. **MI-1**

SHEET \_\_\_\_ OF \_\_\_\_ SHEETS

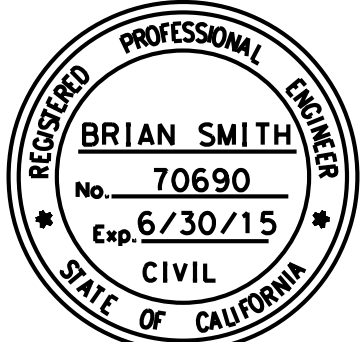


GENERAL SIGNING AND STRIPING NOTES

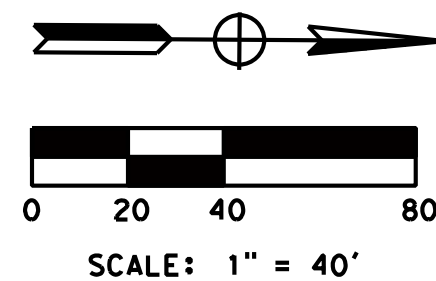
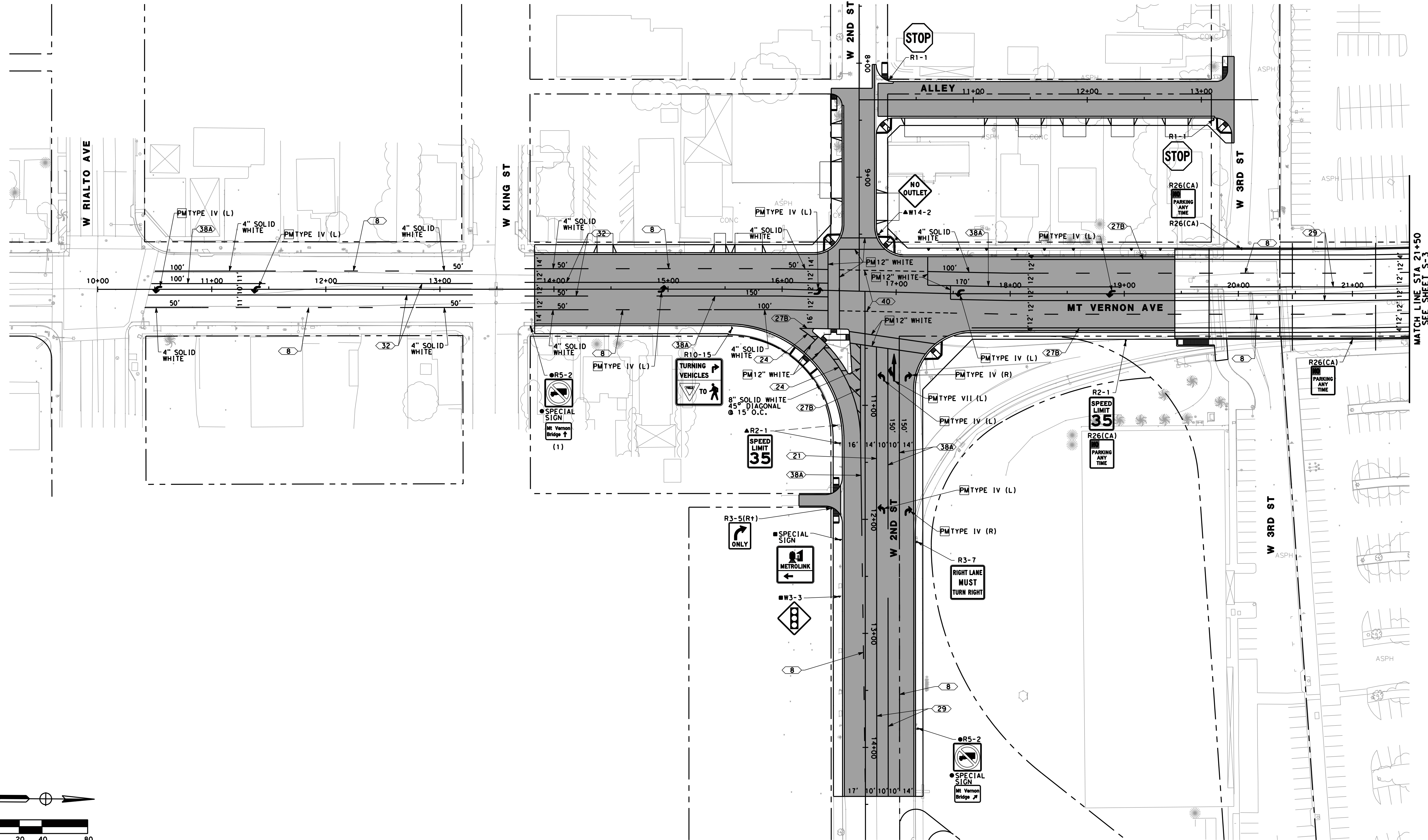
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), LATEST EDITION, WITH ALL SUPPLEMENTS AND CITY OF SAN BERNARDINO STANDARD DRAWINGS.
2. APPROVAL OF THIS PLAN BY THE CITY OF SAN BERNARDINO DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES WITHIN THE LIMITS OF THE PROJECT. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT 48 HOURS PRIOR TO START OF WORK.
3. INSPECTION SHALL BE BY THE CITY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS. ALL REQUESTS FOR INSPECTION SHALL BE MADE AT LEAST 24 HOURS IN ADVANCE OF THE PROPOSED CONSTRUCTION.
4. ALL EXISTING PAVEMENT MARKINGS THAT ARE BEING RELOCATED OR REMOVED SHALL BE REMOVED BY SAND BLASTING. NO BLACK-OVER PAINTING OF LINES IS PERMITTED IN THE CITY.
5. DURING THE PERIOD OF CONSTRUCTION, THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN SUCH WARNINGS, SIGNS, STOP SIGNS, BARRICADES AND OTHER SAFETY MEASURES IN THE CONFORMANCE WITH THE W.A.T.C.H MANUAL OR OTHER CITY REFERENCES MANULS LISTED.
6. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT, (800) 227-2600, AND ALL CONCERNED UTILITY COMPANIES AT LEAST TWO WORKING DAYS IN ADVANCE OF EXCAVATION. LOCATIONS OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE PRIOR TO COMMENCING WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ALL DAMAGES OCCURRED DUE TO FAILURE TO LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES. HAND DIG AS NEEDED OR AS DIRECTED BY THE ENGINEER UNTIL CLEAR OF OBSTRUCTIONS.
7. ALL TRAFFIC STRIPES, PAVEMENT MARKINGS, AND SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE. ALL STRIPING AND MARKING DETAILS SHALL MATCH CALTRANS STANDARD PLANS DETAILS. STENCILS FOR PAVEMENT MARKING SHALL MATCH CALTRANS STANDARD PLANS.
8. THE CONTRACTOR SHALL REMOVE ALL CONFLICTING STRIPES, PAVEMENT MARKINGS, AND RAISED PAVEMENT MARKERS IN ACCORDANCE WITH THE PLANS AND AS DIRECTED BY THE ENGINEER. WORD OR SYMBOL PAVEMENT MARKINGS SHALL BE REMOVED BY SANDBLASTING OR GRINDING A RECTANGULAR AREA COVERING THE WHOLE MARKING.
9. ALL CROSSWALKS SHALL HAVE 10 FEET IN BETWEEN THE 12-INCH WHITE OR YELLOW STRIPES.
10. ALL DOUBLE YELLOW STRIPES SHALL HAVE 3-INCH PAINTED BLACK LINE SEPARATING THE YELLOW STRIPES.
11. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRAFFIC STRIPES, RAISED PAVEMENT MARKERS (RPMS), PAVEMENT MARKINGS, AND SIGNS IN ACCORDANCE WITH THE PLANS AND AS DIRECTED BY THE ENGINEER.
12. ALL PAVEMENT MARKINGS INCLUDING CROSSWALKS, LIMIT LINES, AND STOP BARS SHALL BE APPLIED WITH THERMOPLASTIC MATERIAL. ALL OTHER TRAFFIC STRIPES SHALL BE PAINTED IN TWO COATS.
13. ALL RPMS SHALL BE INSTALLED WITHIN SEVEN WORKING DAYS OF ROADWAY STRIPING. ALL EXISTING RPMS WITHIN THE PROJECT AREA SHALL BE REPLACED IN KIND OR REMOVED IN ACCORDANCE WITH THE PLANS, OR AS DIRECTED BY THE ENGINEER.
14. THE CONTRACTOR SHALL INSTALL STANDARD SIZE SIGN PANEL ON 2" SQUARE PERFORATED STEEL TUBE POST WITH TWO PIECE ANCHOR AND SLEEVE, FASTENED WITH 3/8" RIVETS WITH STAINLESS STEEL WASHERS, UNLESS OTHERWISE NOTED. THE EXACT LOCATION OF ALL SIGNS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
15. THE CONTRACTOR SHALL LAYOUT (CAT-TRACK) THE PROPOSED SIGNING, STRIPING, AND PAVEMENT MARKINGS IN ACCORDANCE WITH THE PLANS AND OBTAIN THE ENGINEER'S APPROVAL PRIOR TO ACTUAL INSTALLATION.
16. ALL PAVEMENT MARKINGS INCLUDING CROSSWALKS, LIMIT LINES, LANE LINES AND STOP BARS SHALL BE APPLIED WITH THERMOPLASTIC MATERIAL.
17. TRAFFIC SIGN FACE SHALL BE 3M DIAMOND GRADE DG3 REFLECTIVE SHEETING (ASTM XI) OR APPROVED EQUAL WITH PROTECTIVE GRAFFITI OVERLAY FILM OR AS OTHERWISE NOTED. ALL WARNING SIGNS SHALL HAVE A FLOURESCENT YELLOW BACKGROUND.

LEGEND

- (1) ON LIGHT POLE (PER CALTRANS STD PLAN RS4)
- (2) WALL SURFACE MOUNTED
- EXISTING SIGN TO REMAIN
- REMOVE AND SALVAGE EXISTING SIGN
- ▲ RELOCATE EXISTING SIGN
- XXX> DETAIL NUMBER PER CALTRANS STANARD PLANS, A20A, A20B, A20C, A20D
- PM INSTALL PAVEMENT MARKING PER CALTRANS STANDARD PLANS, A24A, A24B, A24C, A24D, A24E

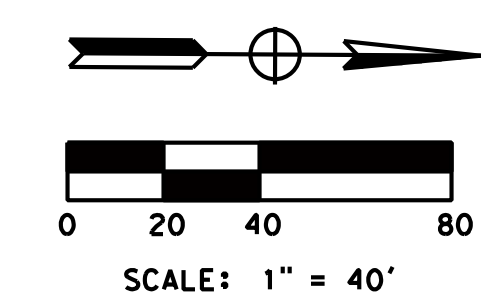
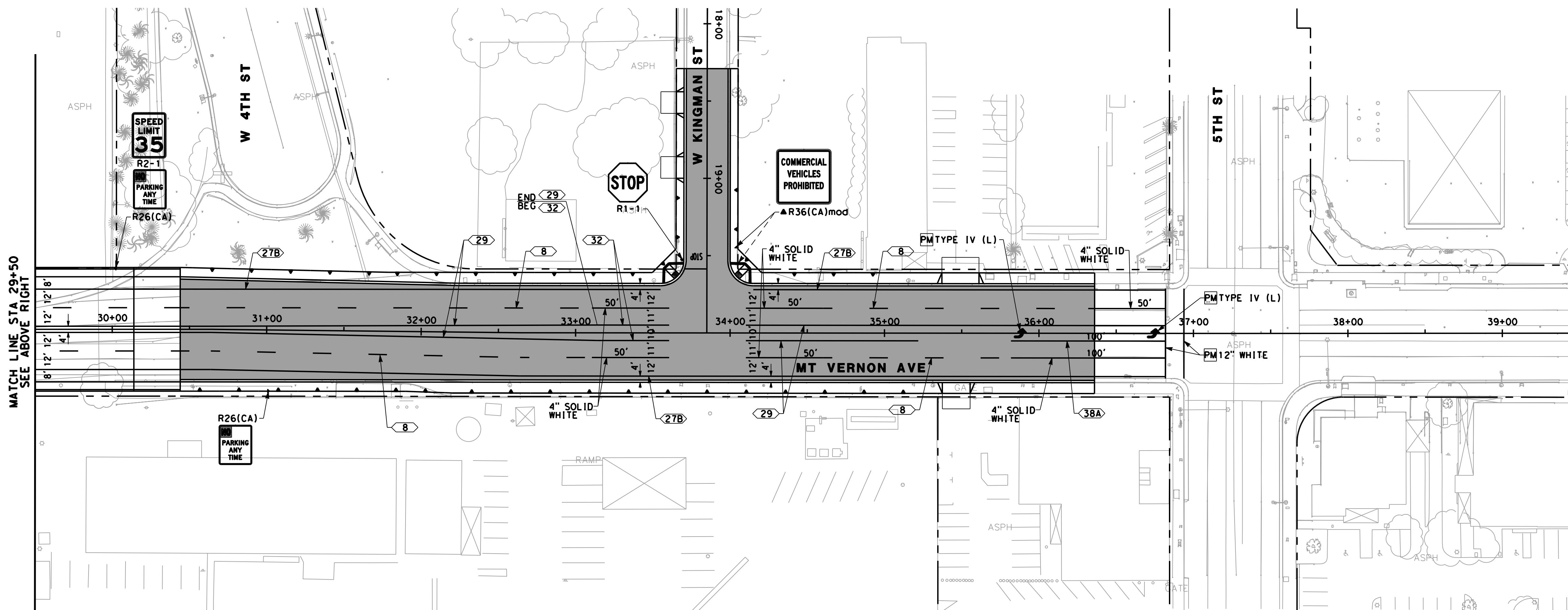
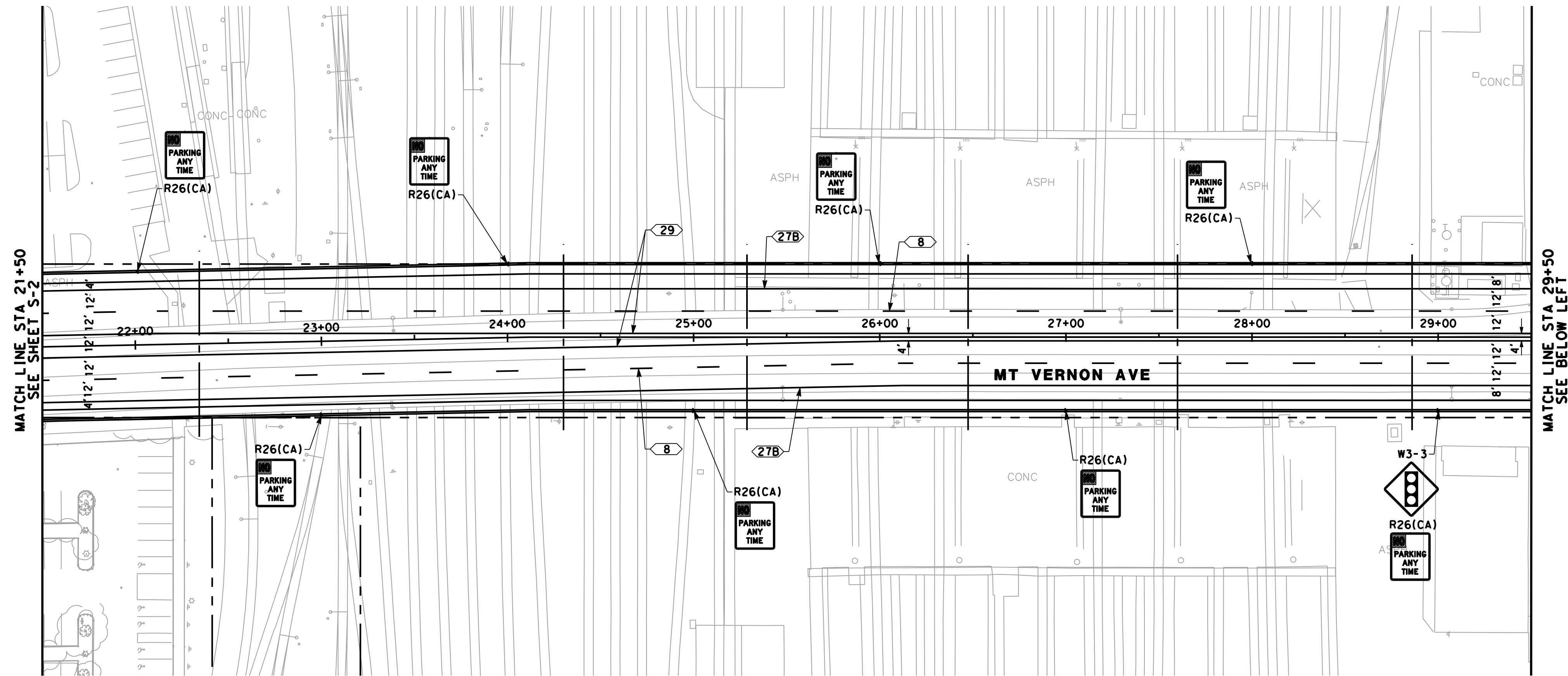
|                                                                                                                                                                                                                                            |                                                                                                                                                                                                              |                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                             |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                                                                                                   |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                          |                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|----|------|------|------------|--|--|--|--|-----------------------------|--|--|--|--|----------------------------------------|--|--|--|--|------------------------------------------|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <div>Underground Service Alert</div> <div><div>Call: TOLL FREE</div><div>1-800</div><div>422-4133</div><div>TWO WORKING DAYS BEFORE YOU DIG</div></div> | <div><div>BRIAN SMITH</div><div>No. 70690</div><div>Exp 6/30/15</div><div>CIVIL</div><div>STATE OF CALIFORNIA</div></div> | <div>AECOM</div> <div>901 VIA PIEMONTE</div> <div>5TH FLOOR</div> <div>ONTARIO, CA 91764</div> <div>APPROVED BY: _____</div> <div>DATE: _____</div> | <table><tr><td>MARK</td><td>REVISIONS</td><td>BY</td><td>APPR</td><td>DATE</td></tr><tr><td colspan="5">BENCHMARK:</td></tr><tr><td colspan="5">CITY OF SAN BERNARDINO B7-1</td></tr><tr><td colspan="5">USC &amp; GS DESIGNATION: H-524 RESET 1962</td></tr><tr><td colspan="5">ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</td></tr></table> | MARK | REVISIONS | BY | APPR | DATE | BENCHMARK: |  |  |  |  | CITY OF SAN BERNARDINO B7-1 |  |  |  |  | USC & GS DESIGNATION: H-524 RESET 1962 |  |  |  |  | ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |  |  |  |  | <div><div>ROBERT G. EISENBEISZ</div><div>No. 54931</div><div>CIVIL</div><div>STATE OF CALIFORNIA</div></div> | <div>APPROVED _____ 20 12</div> <div>CITY ENGINEER <u>ROBERT G. EISENBEISZ</u></div> <div>RCE NO. <u>24931</u> EXP <u>6-30-15</u></div> <div>DRAWN BY: <u>A. CADD</u></div> <div>CHECKED BY: _____</div> <div>RECOMMENDED BY: _____</div> | <div>CITY OF SAN BERNARDINO</div> <div>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING</div> <div>MOUNT VERNON GRADE SEPARATION</div> <div>BRIDGE REPLACEMENT</div> <div>SIGNING AND STRIPING</div> <div>FOR CITY USE ONLY: FILE NO. _____</div> <div>W.O. NO. _____</div> | <div>DRAWING NO.</div> <div>S-1</div> <div>SHEET <u>1</u> OF <u>3</u> SHEETS</div> |
| MARK                                                                                                                                                                                                                                       | REVISIONS                                                                                                                                                                                                    | BY                                                                                                                                                  | APPR                                                                                                                                                                                                                                                                                                                                        | DATE |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                                                                                                   |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                          |                                                                                    |
| BENCHMARK:                                                                                                                                                                                                                                 |                                                                                                                                                                                                              |                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                             |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                                                                                                   |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                          |                                                                                    |
| CITY OF SAN BERNARDINO B7-1                                                                                                                                                                                                                |                                                                                                                                                                                                              |                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                             |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                                                                                                   |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                          |                                                                                    |
| USC & GS DESIGNATION: H-524 RESET 1962                                                                                                                                                                                                     |                                                                                                                                                                                                              |                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                             |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                                                                                                   |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                          |                                                                                    |
| ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)                                                                                                                                                                                                   |                                                                                                                                                                                                              |                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                             |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                                                                                                   |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                          |                                                                                    |





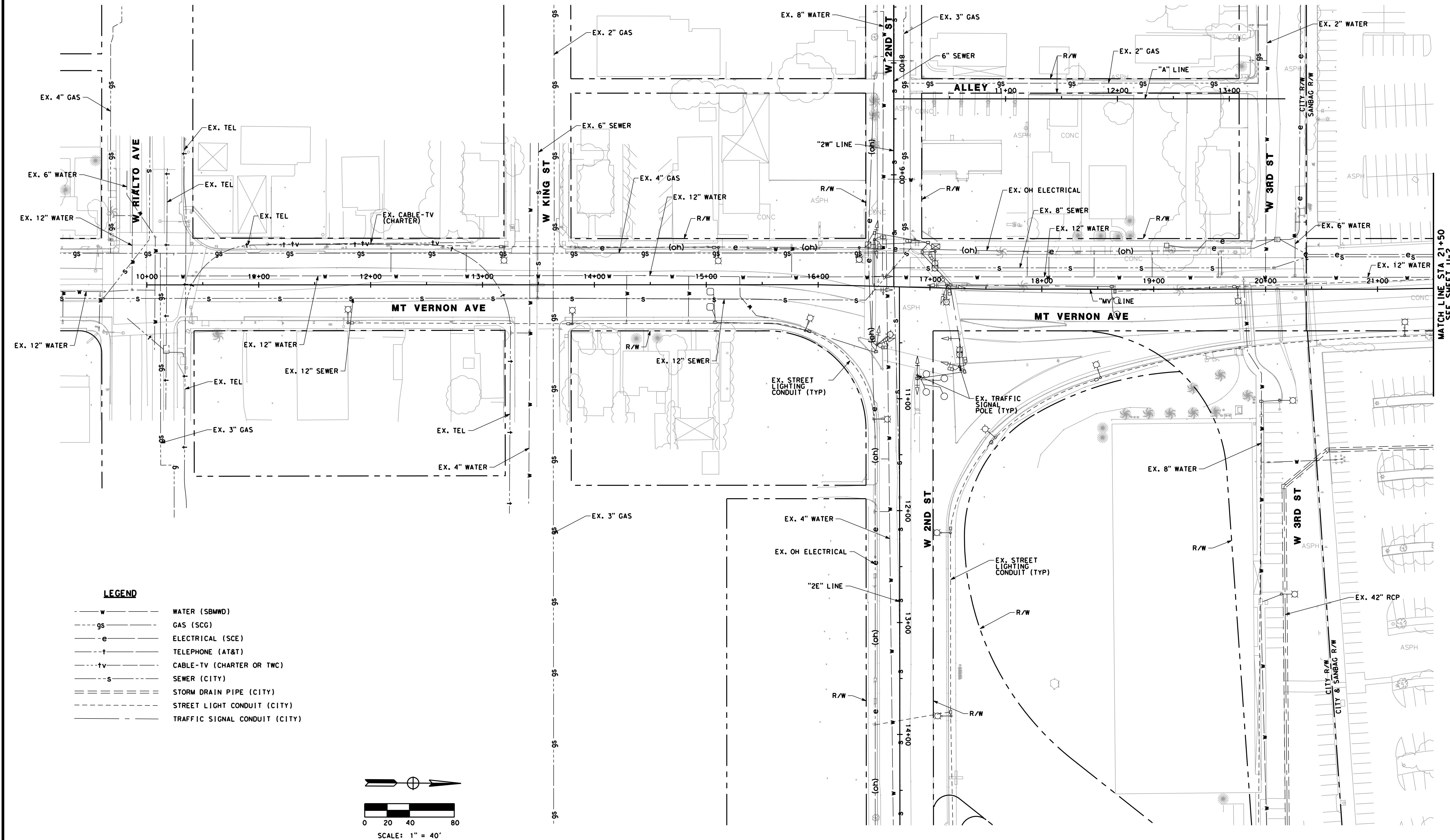
| <p>Underground Service Alert</p> <p>Call: TOLL FREE<br/>1-800-422-4133</p> <p style="font-size: 8px;">TWO WORKING DAYS BEFORE YOU DIG</p>        |           | <p><b>AECOM</b></p> <p>901 VIA PIEMONTE<br/>5TH FLOOR<br/>ONTARIO, CA 91764</p> <p>APPROVED BY: _____ DATE: _____</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;">MARK</th> <th style="width: 30%;">REVISIONS</th> <th style="width: 10%;">BY</th> <th style="width: 10%;">APPR</th> <th style="width: 10%;">DATE</th> </tr> <tr> <td colspan="5"> <p>BENCHMARK:</p> <p>CITY OF SAN BERNARDINO B7-1<br/>USC &amp; GS DESIGNATION: H-524 RESET 1962<br/>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</p> </td> </tr> </table> | MARK | REVISIONS | BY | APPR | DATE | <p>BENCHMARK:</p> <p>CITY OF SAN BERNARDINO B7-1<br/>USC &amp; GS DESIGNATION: H-524 RESET 1962<br/>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</p> |  |  |  |  |  | <p>APPROVED _____ 20 12</p> <p>CITY ENGINEER <u>ROBERT G. EISENBEISZ</u><br/>RCE NO. <u>24931</u> EXP <u>6-30-15</u></p> <p>DRAWN BY: <u>A. CADD</u></p> <p>CHECKED BY: _____</p> <p>RECOMMENDED BY: _____</p> | <p><b>CITY OF SAN BERNARDINO</b><br/>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING</p> <p><b>MOUNT VERNON GRADE SEPARATION<br/>BRIDGE REPLACEMENT</b></p> <p><b>SIGNING AND STRIPING</b></p> <p>FOR CITY USE ONLY: FILE NO. _____ W.O. NO. _____</p> | <p>DRAWING NO.<br/><b>S-2</b></p> <p>SHEET ____ OF ____ SHEETS</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|----|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| MARK                                                                                                                                             | REVISIONS | BY                                                                                                                    | APPR                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DATE |           |    |      |      |                                                                                                                                                  |  |  |  |  |  |                                                                                                                                                                                                                |                                                                                                                                                                                                                                                      |                                                                    |
| <p>BENCHMARK:</p> <p>CITY OF SAN BERNARDINO B7-1<br/>USC &amp; GS DESIGNATION: H-524 RESET 1962<br/>ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</p> |           |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |           |    |      |      |                                                                                                                                                  |  |  |  |  |  |                                                                                                                                                                                                                |                                                                                                                                                                                                                                                      |                                                                    |





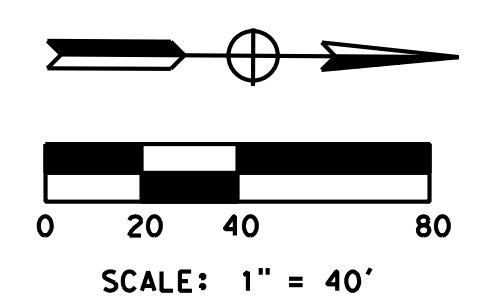
| <p>Underground Service Alert</p> <p>Call: TOLL FREE<br/>1-800-422-4133</p> | <p><b>AECOM</b><br/>901 VIA PIEMONTE<br/>5TH FLOOR<br/>ONTARIO, CA 91764</p> <p>APPROVED BY: _____ DATE: _____</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MARK</th> <th>REVISIONS</th> <th>BY</th> <th>APPR</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td colspan="5">BENCHMARK:</td> </tr> <tr> <td colspan="5">CITY OF SAN BERNARDINO B7-1</td> </tr> <tr> <td colspan="5">USC &amp; GS DESIGNATION: H-524 RESET 1962</td> </tr> <tr> <td colspan="5">ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</td> </tr> </tbody> </table> | MARK | REVISIONS | BY | APPR | DATE | BENCHMARK: |  |  |  |  | CITY OF SAN BERNARDINO B7-1 |  |  |  |  | USC & GS DESIGNATION: H-524 RESET 1962 |  |  |  |  | ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |  |  |  |  | <p><b>APPROVED</b> 20 <u>12</u></p> <p>CITY ENGINEER <u>ROBERT G. EISENBEISZ</u><br/>RCE NO. <u>24931</u> EXP. <u>6-30-15</u></p> <p>DRAWN BY: <u>A. CADD</u></p> <p>CHECKED BY: _____</p> <p>RECOMMENDED BY: _____</p> | <p><b>CITY OF SAN BERNARDINO</b><br/>DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING</p> <p><b>MOUNT VERNON GRADE SEPARATION<br/>BRIDGE REPLACEMENT</b></p> <p><b>SIGNING AND STRIPING</b></p> <p>FOR CITY USE ONLY: FILE NO. _____ W.O. NO. _____</p> | <p>DRAWING NO. <b>S-3</b></p> <p>SHEET ____ OF ____ SHEETS</p> |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|----|------|------|------------|--|--|--|--|-----------------------------|--|--|--|--|----------------------------------------|--|--|--|--|------------------------------------------|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| MARK                                                                       | REVISIONS                                                                                                          | BY                                                                                                                                                                                                                                                                                                                                                                                                                                                           | APPR | DATE      |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |                                                                |
| BENCHMARK:                                                                 |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |                                                                |
| CITY OF SAN BERNARDINO B7-1                                                |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |                                                                |
| USC & GS DESIGNATION: H-524 RESET 1962                                     |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |                                                                |
| ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)                                   |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |                                                                |





**LEGEND**

- W WATER (SBMWD)
- GS GAS (SCG)
- E ELECTRICAL (SCE)
- T TELEPHONE (AT&T)
- TV CABLE-TV (CHARTER OR TWC)
- S SEWER (CITY)
- SD STORM DRAIN PIPE (CITY)
- SLC STREET LIGHT CONDUIT (CITY)
- TSC TRAFFIC SIGNAL CONDUIT (CITY)



Underground Service Alert

Call: TOLL FREE

1-800

422-4133

TWO WORKING DAYS BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER

BRIAN SMITH

No. 70690

Exp. 6/30/15

CIVIL

STATE OF CALIFORNIA

**AECOM**

901 VIA PIEMONTE

5TH FLOOR

ONTARIO, CA 91764

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

| MARK                                     | REVISIONS | BY | APPR | DATE |
|------------------------------------------|-----------|----|------|------|
| BENCHMARK:                               |           |    |      |      |
| CITY OF SAN BERNARDINO B7-1              |           |    |      |      |
| USC & GS DESIGNATION: H-524 RESET 1962   |           |    |      |      |
| ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |           |    |      |      |

REGISTERED PROFESSIONAL ENGINEER

ROBERT G. EISENBERG

No. 54931

CIVIL

STATE OF CALIFORNIA

APPROVED 2012

CITY ENGINEER ROBERT G. EISENBERG

RCE NO. 24931 EXP. 6-30-15

DRAWN BY: A. CADD

CHECKED BY:

RECOMMENDED BY:

**CITY OF SAN BERNARDINO**

DEVELOPMENT SERVICES-PUBLIC WORKS/ENGINEERING

**MOUNT VERNON GRADE SEPARATION**

**BRIDGE REPLACEMENT**

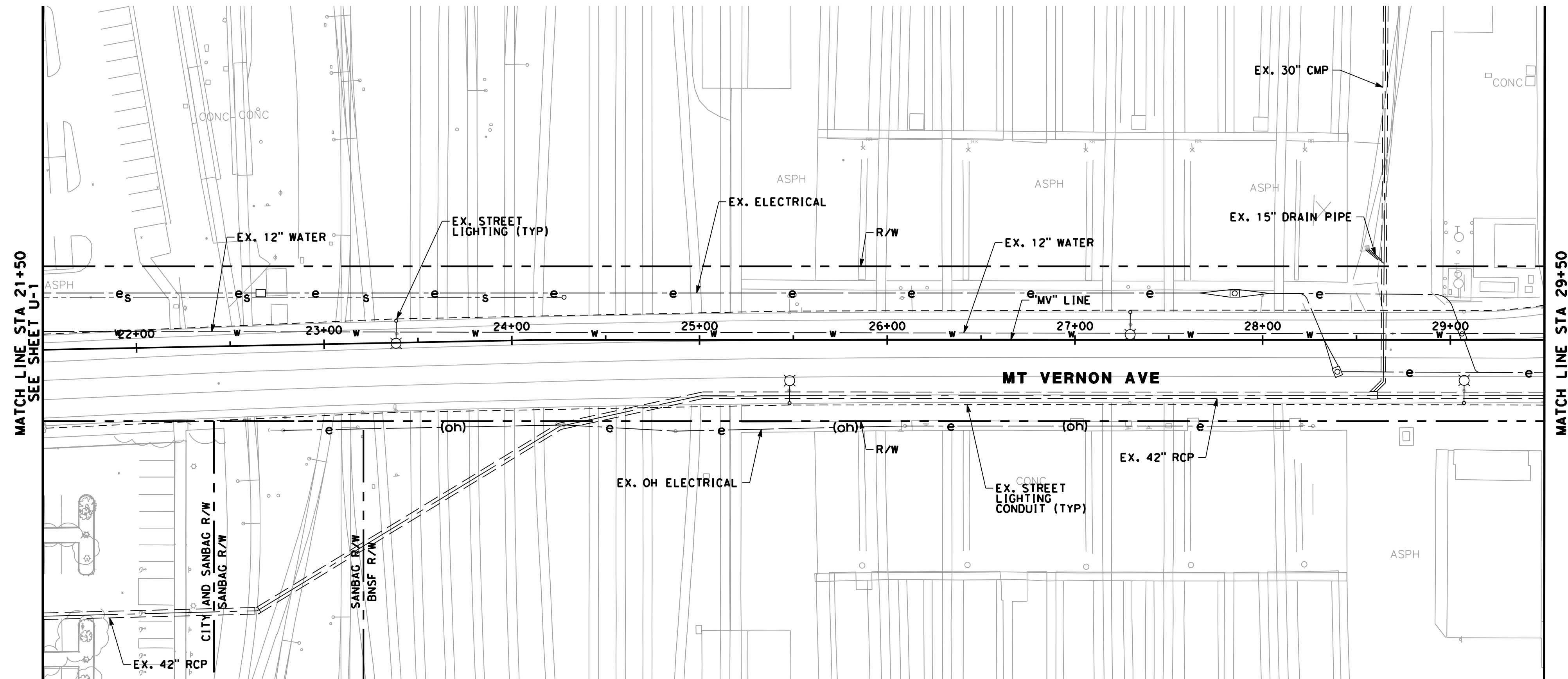
**UTILITIES**

FOR CITY USE ONLY: FILE NO. \_\_\_\_\_ W.O. NO. \_\_\_\_\_

DRAWING NO. **U-1**

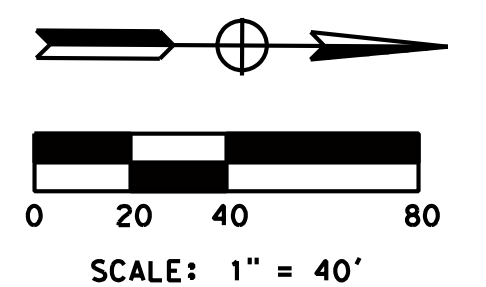
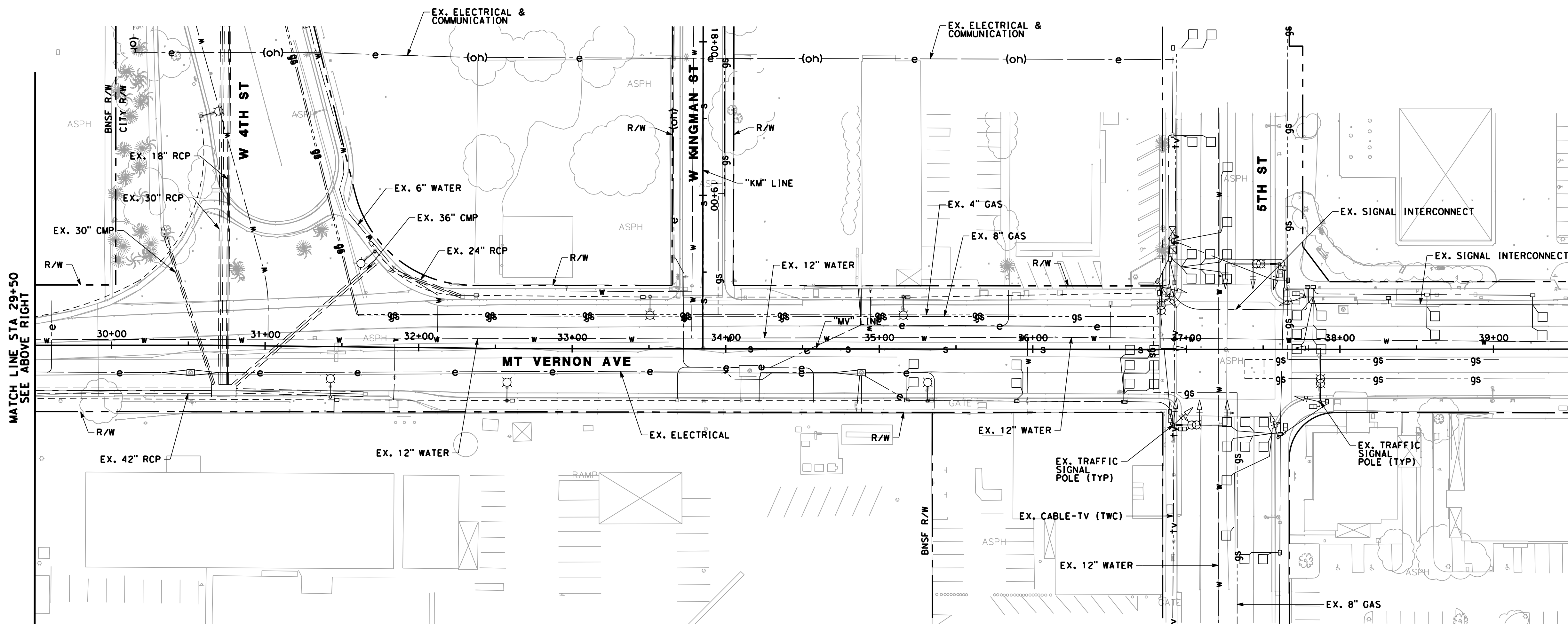
SHEET \_\_\_\_ OF \_\_\_\_ SHEETS





**LEGEND**

|          |                               |
|----------|-------------------------------|
| —w—      | WATER (SBMWD)                 |
| ---gs--- | GAS (SCG)                     |
| -e-      | ELECTRICAL (SCE)              |
| -t-      | TELEPHONE (AT&T)              |
| ---tv--- | CABLE-TV (CHARTER OR TWC)     |
| ---s---  | SEWER (CITY)                  |
| =====    | STORM DRAIN PIPE (CITY)       |
| -----    | STREET LIGHT CONDUIT (CITY)   |
| -----    | TRAFFIC SIGNAL CONDUIT (CITY) |



| <p>Underground Service Alert</p> <p>Call: TOLL FREE</p> <p>1-800</p> <p>422-4133</p> |  | <p><b>AECOM</b></p> <p>901 VIA PIEMONTE</p> <p>5TH FLOOR</p> <p>ONTARIO, CA 91764</p> <p>APPROVED BY: _____ DATE: _____</p> | <table border="1"> <thead> <tr> <th>MARK</th> <th>REVISIONS</th> <th>BY</th> <th>APPR</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td colspan="5">BENCHMARK:</td> </tr> <tr> <td colspan="5">CITY OF SAN BERNARDINO B7-1</td> </tr> <tr> <td colspan="5">USC &amp; GS DESIGNATION: H-524 RESET 1962</td> </tr> <tr> <td colspan="5">ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)</td> </tr> </tbody> </table> | MARK | REVISIONS | BY | APPR | DATE | BENCHMARK: |  |  |  |  | CITY OF SAN BERNARDINO B7-1 |  |  |  |  | USC & GS DESIGNATION: H-524 RESET 1962 |  |  |  |  | ELEVATION = 1011.231 (NGVD 29/1972 ADJ.) |  |  |  |  |  | <p>APPROVED _____ 20 <u>12</u></p> <p>CITY ENGINEER <u>ROBERT G. EISENBEISZ</u></p> <p>RCE NO. <u>24931</u> EXP. <u>6-30-15</u></p> <p>DRAWN BY: <u>A. CADD</u></p> <p>CHECKED BY: _____</p> <p>RECOMMENDED BY: _____</p> | <p><b>CITY OF SAN BERNARDINO</b></p> <p>DEVELOPMENT SERVICES—PUBLIC WORKS/ENGINEERING</p> <p><b>MOUNT VERNON GRADE SEPARATION</b></p> <p><b>BRIDGE REPLACEMENT</b></p> <p><b>UTILITIES</b></p> <p>FOR CITY USE ONLY: FILE NO. _____ W.O. NO. _____</p> | <p>DRAWING NO. <b>U-2</b></p> <p>SHEET ____ OF ____ SHEETS</p> |
|--------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|----|------|------|------------|--|--|--|--|-----------------------------|--|--|--|--|----------------------------------------|--|--|--|--|------------------------------------------|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|                                                                                      |  |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                              | MARK | REVISIONS | BY | APPR | DATE |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                        |                                                                |
| BENCHMARK:                                                                           |  |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                              |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                        |                                                                |
| CITY OF SAN BERNARDINO B7-1                                                          |  |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                              |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                        |                                                                |
| USC & GS DESIGNATION: H-524 RESET 1962                                               |  |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                              |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                        |                                                                |
| ELEVATION = 1011.231 (NGVD 29/1972 ADJ.)                                             |  |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                              |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                        |                                                                |
|                                                                                      |  |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                              |      |           |    |      |      |            |  |  |  |  |                             |  |  |  |  |                                        |  |  |  |  |                                          |  |  |  |  |  |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                        |                                                                |