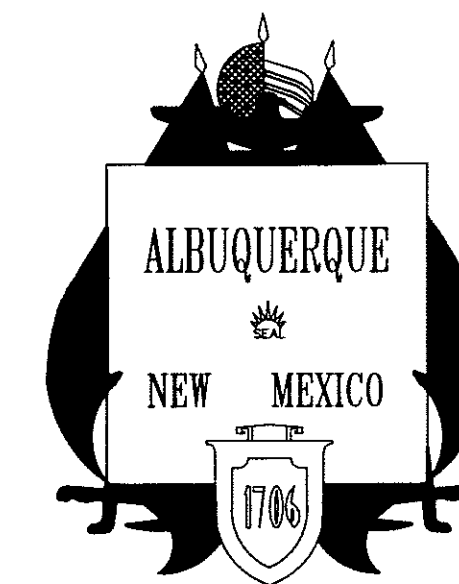


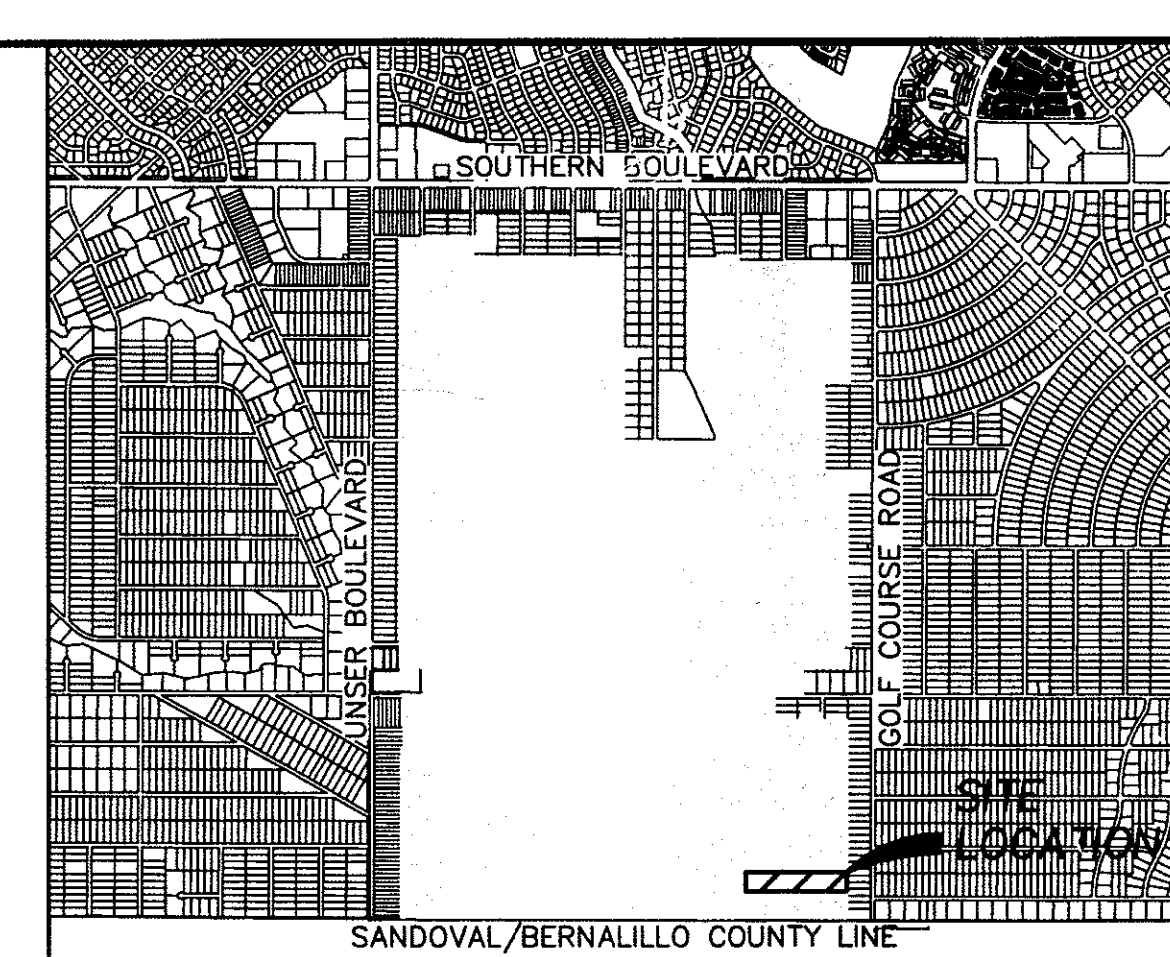


CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

CONSTRUCTION PLANS  
FOR



WESTSIDE BOULEVARD PHASE II  
INFRASTRUCTURE  
INDEX



VICINITY MAP  
ZONE ATLAS MAP NO. A-12 & A-13

| DESCRIPTION                                                                     | SHEET NO. | DESCRIPTION                                                           | SHEET NO. |
|---------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------|-----------|
| COVER SHEET                                                                     | 1         | BRIDGE PLANS NOT IN PLAN SET COA PROJECT No. 7718.81                  | 42-70     |
| LOCATION MAP                                                                    | 2         |                                                                       |           |
| GENERAL NOTES                                                                   | 3         | WASTEWATER REUSE TRANSMISSION MAIN STANDARD DETAILS (NIC)             | 71        |
| SHEET LAYOUT                                                                    | 4         | SANITARY SEWER DETAILS (NIC)                                          | 72        |
| TYPICAL ROADWAY SECTION                                                         | 5         | REUSE TRANSMISSION LINE EAST BRANCH/WESTSIDE BLVD (NIC)               | 73        |
| TYPICAL TRAIL SECTION                                                           | 6         | STA 10+00 TO STA 15+04.65                                             |           |
| GEOMETRIC & HORIZONTAL CENTERLINE CONTROL                                       | 7         | REUSE TRANSMISSION MAIN WESTSIDE ROAD SE STA 68+93.65 TO STA 76+50.00 | 74 (NIC)  |
|                                                                                 |           | REUSE TRANSMISSION LINE EAST BRANCH/WESTSIDE BLVD (NIC)               | 75        |
| TESCM TEMPORARY EROSION & SEDIMENT CONTROL MEASURES                             | 8         | STA 76+50.00 TO STA 86+75.99                                          |           |
| TESCM SILT FENCE INSTALLATION & CHECK DAMS                                      | 9         | SANITARY SEWER WESTSIDE ROAD SE STA 10+00 TO STA 20+50 (NIC)          | 76        |
| TESCM PIPE SLOPE DRAIN & SEDIMENT TRAPS                                         | 10        | SANITARY SEWER WESTSIDE ROAD STA 20+50 STA 23+90.19 (NIC)             | 77        |
| TESCM DROP INLET & CULVERT PROTECTION                                           | 11        | SANITARY SEWER WESTSIDE ROAD SE STA 68+93.65 TO STA 76+50.00 (NIC)    | 78        |
|                                                                                 |           | SANITARY SEWER WESTSIDE ROAD SE STA 76+50.00 TO STA 86+98.99 (NIC)    | 79        |
| DEMOLITION PLAN                                                                 | 12        |                                                                       |           |
| TEMPORARY GRADING & DRAINAGE PLAN - EAST BRANCH CHANNEL / WESTSIDE BLVD.        | 13        |                                                                       |           |
| (DRC APPROVED SEPTEMBER 28, 2006, CITY PROJECT No. 7718.81)                     |           |                                                                       |           |
| FINAL GRADING & DRAINAGE PLAN - EAST BRANCH CHANNEL / WESTSIDE BLVD.            | 14        |                                                                       |           |
| PLAN & PROFILE STA 59+74.25 TO STA 67+00                                        | 15        | ISA NMUT APPROVAL                                                     |           |
| PLAN & PROFILE STA 67+00 TO STA 78+50                                           | 16        | W/L RELOCATION ONLY                                                   |           |
| PLAN & PROFILE STA 78+50 TO STA 86+75.99                                        | 17        | IGA NMUT APPROVAL                                                     |           |
|                                                                                 |           | W/L RELOCATION ONLY                                                   |           |
| WESTSIDE BOULEVARD SE / GOLF COURSE ROAD SE INTERSECTION PLAN                   | 17A       |                                                                       |           |
| MEDIAN GEOMETRICS                                                               | 18        |                                                                       |           |
|                                                                                 |           |                                                                       |           |
| CROSS SECTIONS STA 59+74.25 TO 61+50                                            | 19        |                                                                       |           |
| CROSS SECTIONS STA 62+00 TO 64+00                                               | 20        |                                                                       |           |
| CROSS SECTIONS STA 64+50 TO 66+50                                               | 21        |                                                                       |           |
| CROSS SECTIONS STA 67+00 TO 68+50                                               | 22        |                                                                       |           |
| CROSS SECTIONS STA 69+00 TO 71+00                                               | 23        |                                                                       |           |
| CROSS SECTIONS STA 71+50 TO 74+00                                               | 24        |                                                                       |           |
| CROSS SECTIONS STA 74+50 TO 77+00                                               | 25        |                                                                       |           |
| CROSS SECTIONS STA 77+50 TO 78+50                                               | 25A       |                                                                       |           |
| CROSS SECTIONS STA 80+50 TO 83+00                                               | 25B       |                                                                       |           |
| CROSS SECTIONS STA 83+50 TO 86+75.99                                            | 25C       |                                                                       |           |
|                                                                                 |           |                                                                       |           |
| TRANSPORTATION DETAILS                                                          | 26        |                                                                       |           |
| TRANSPORTATION DETAILS                                                          | 27        |                                                                       |           |
|                                                                                 |           |                                                                       |           |
| STORM DRAIN PLAN & PROFILE STA 59+74.25 TO 67+00 (CITY PROJECT No. 7718.81)     | 28        |                                                                       |           |
| STORM DRAIN PLAN & PROFILE STA 67+00 TO 78+50 (CITY PROJECT No. 7718.81)        | 28A       |                                                                       |           |
| STORM DRAIN PLAN & PROFILE STA 78+50 TO 86+75.99 (CITY PROJECT No. 7718.81)     | 29        |                                                                       |           |
| STORM DRAIN PLAN & PROFILE STA 10+00 TO 13+69.47 (CITY PROJECT No. 7718.81)     | 30        |                                                                       |           |
|                                                                                 |           |                                                                       |           |
| STORM DRAIN DETAILS (DRC APPROVED SEPTEMBER 28, 2006, CITY PROJECT No. 7718.81) | 31        |                                                                       |           |
| STORM DRAIN DETAILS (DRC APPROVED SEPTEMBER 28, 2006, CITY PROJECT No. 7718.81) | 32        |                                                                       |           |
| STORM DRAIN DETAILS (DRC APPROVED SEPTEMBER 28, 2006, CITY PROJECT No. 7718.81) | 33        |                                                                       |           |
| STORM DRAIN DETAILS (DRC APPROVED SEPTEMBER 28, 2006, CITY PROJECT No. 7718.81) | 34        |                                                                       |           |
|                                                                                 |           |                                                                       |           |
| LIGHTING PLAN STA 59+74.25 TO 86+75.99                                          | 35        |                                                                       |           |
| LIGHTING PLAN FOUNDATION DETAILS                                                | 36        |                                                                       |           |
| LIGHTING PLAN TYPE "V" STANDARD                                                 | 37        |                                                                       |           |
|                                                                                 |           |                                                                       |           |
| TRAFFIC GENERAL NOTES                                                           | 38        |                                                                       |           |
| SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS                              | 39        |                                                                       |           |
| TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES                                      | 40        |                                                                       |           |
| PERMANENT SIGNING & STRIPING                                                    | 41        |                                                                       |           |
| STEEL PIPE ENCASING DETAIL AT EXISTING CHANNEL                                  | 41A       |                                                                       |           |

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|-----------------------------|--------|------------------|--------------------|-----------------|---------------------------|-----------------|------|
| REV                         | SHEETS | CITY ENGINEER    | DATE               | USER DEPARTMENT | DATE                      | USER DEPARTMENT | DATE |
| ENGINEERS STAMP & SIGNATURE |        | APPROVALS        | ENGINEER           | DATE            | *****                     |                 |      |
|                             |        | DRC Chairman     | <i>[Signature]</i> | 3-12-07         | APPROVED FOR CONSTRUCTION |                 |      |
|                             |        | Transportation   | <i>[Signature]</i> | 3/6/07          |                           |                 |      |
|                             |        | Water/Wastewater | <i>[Signature]</i> | 3/2/07          |                           |                 |      |
|                             |        | Hydrology        | <i>[Signature]</i> | 3/2/07          |                           |                 |      |
|                             |        | Parks            |                    |                 |                           |                 |      |
|                             |        | Const. Mngmt.    |                    |                 | City Engineer Date        |                 |      |
|                             |        | Constr. Coord.   |                    |                 |                           |                 |      |
| City Project No.            |        | 7718.81          | Sheet              |                 | 1                         | Of              | 79   |

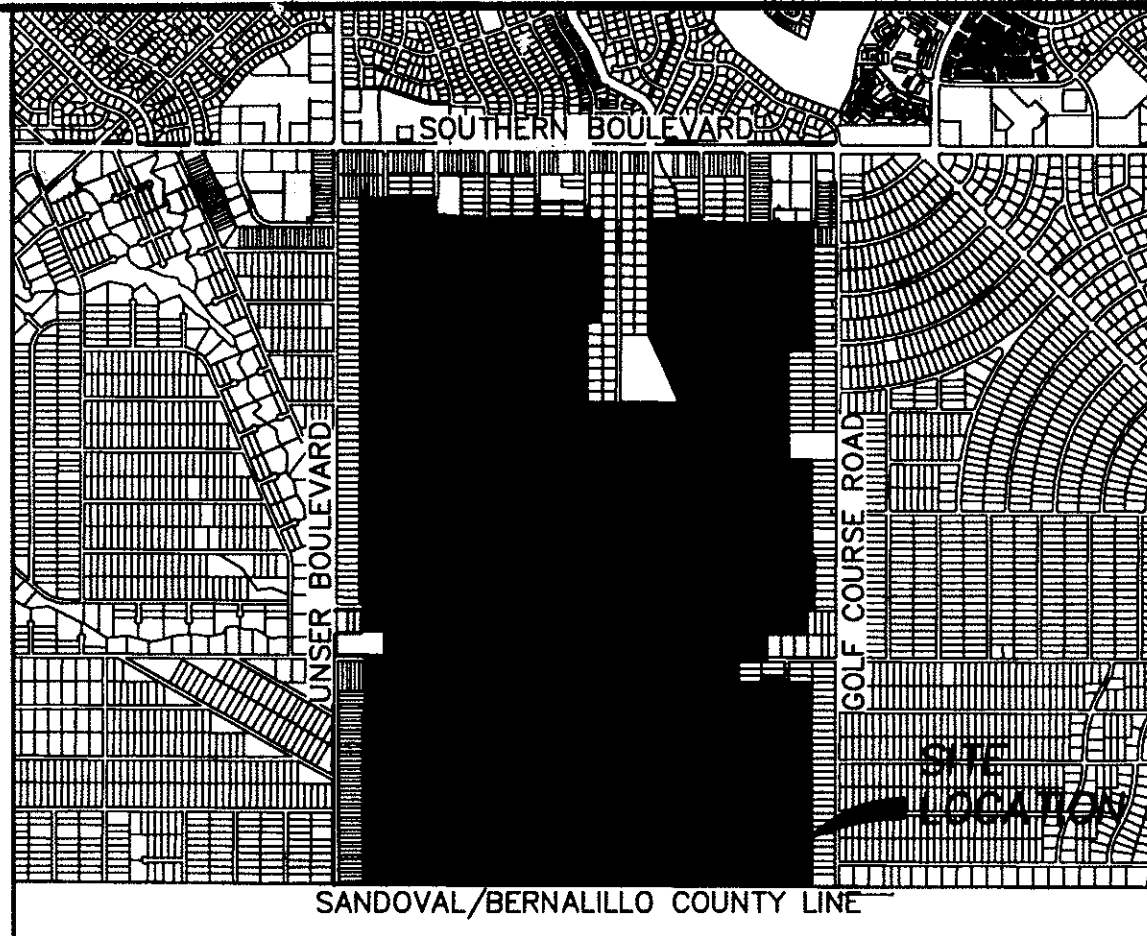


CITY OF ALBUQUERQUE  
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CONSTRUCTION PLANS  
FOR



WESTSIDE BOULEVARD PHASE II  
INFRASTRUCTURE  
INDEX



VICINITY MAP  
ZONE ATLAS MAP NO. A-12 & A-13

- NOTES
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS AMENDED THROUGH UPDATE #7.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE EXECUTION OF THE WATER VALVE SHUT-OFF PLAN WITH THE WATER SYSTEMS DIVISION (857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER UTILITIES.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALLS SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED:
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
  - ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
  - ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
  - ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
  - ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
  - ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
  - ☒ FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

| DESCRIPTION                                                                             | SHEET NO.     | DESCRIPTION                                                                | SHEET NO.     |
|-----------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------|---------------|
| COVER SHEET                                                                             | 1             | <del>LIGHTING PLAN STA 67+00 TO 86+75.99</del>                             | 35            |
| LOCATION MAP                                                                            | 2             | <del>LIGHTING PLAN FOUNDATION DETAILS</del>                                | 36            |
| GENERAL NOTES                                                                           | 3             | <del>LIGHTING PLAN TYPE "V" STANDARD</del>                                 | 37            |
| SHEET LAYOUT                                                                            | 4             |                                                                            |               |
| <del>TYPICAL ROADWAY SECTION</del>                                                      | <del>5</del>  | <del>TRAFFIC GENERAL NOTES</del>                                           | <del>38</del> |
| <del>TYPICAL TRAIL SECTION</del>                                                        | <del>6</del>  | <del>SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS</del>              | <del>39</del> |
| <del>GEOMETRIC &amp; HORIZONTAL CENTERLINE CONTROL</del>                                | <del>7</del>  | <del>TYPICAL TRAFFIC CONTROL &amp; SIGNING EXAMPLES</del>                  | <del>40</del> |
|                                                                                         |               | <del>PERMANENT SIGNING &amp; STRIPING</del>                                | <del>41</del> |
|                                                                                         |               |                                                                            |               |
| TESCM TEMPORARY EROSION & SEDIMENT CONTROL MEASURES                                     | 8             |                                                                            |               |
| TESCM SILT FENCE INSTALLATION & CHECK DAMS                                              | 9             | <del>GENERAL NOTES &amp; ESTIMATED QUANTITIES</del>                        | 42            |
| TESCM PIPE SLOPE DRAIN & SEDIMENT TRAPS                                                 | 10            | <del>STRUCTURE PROFILE</del>                                               | 43            |
| TESCM DROP INLET & CULVERT PROTECTION                                                   | 11            | <del>STRUCTURE PLAN</del>                                                  | 44            |
|                                                                                         |               | <del>FOUNDATION DATA</del>                                                 | 45            |
|                                                                                         |               | <del>TYPICAL SECTION</del>                                                 | 46            |
|                                                                                         |               |                                                                            |               |
| <del>DEMOLITION PLAN</del>                                                              | <del>12</del> | <del>FRAMING PLAN AND LONGITUDINAL SECTION</del>                           | 47            |
| <del>TEMPORARY GRADING &amp; DRAINAGE PLAN - EAST BRANCH CHANNEL / WESTSIDE BLVD.</del> | <del>13</del> | <del>DECK REINFORCEMENT PLAN</del>                                         | 48            |
| <del>FINAL GRADING &amp; DRAINAGE PLAN - EAST BRANCH CHANNEL / WESTSIDE BLVD.</del>     | <del>14</del> | <del>STEEL DIAPHRAGM DETAILS</del>                                         | 49            |
|                                                                                         |               | <del>DECK ELEVATIONS AND P DIMENSIONS</del>                                | 50            |
| <del>PLAN &amp; PROFILE STA 67+00 TO 78+50</del>                                        | <del>15</del> | <del>PSG GIRDER TYPE 45</del>                                              | 51            |
| <del>PLAN &amp; PROFILE STA 78+50 TO 86+75.99</del>                                     | <del>16</del> | <del>ELASTOMERIC BEARING DETAILS</del>                                     | 52            |
|                                                                                         |               |                                                                            |               |
| <del>WESTSIDE BOULEVARD SE / GOLF COURSE ROAD SE INTERSECTION PLAN</del>                | <del>17</del> | <del>ABUTMENT PLAN AND ELEVATION</del>                                     | 53            |
| <del>MEDIAN GEOMETRICS</del>                                                            | <del>18</del> | <del>ABUTMENT DETAILS</del>                                                | 54            |
|                                                                                         |               | <del>APPROACH SLAB</del>                                                   | 55            |
|                                                                                         |               | <del>WINGWALL DETAILS</del>                                                | 56            |
|                                                                                         |               |                                                                            |               |
| <del>GROSS SECTIONS STA 67+00 TO 68+50</del>                                            | <del>19</del> | <del>REBAR DIAGRAM AND SCHEDULE</del>                                      | 57            |
| <del>GROSS SECTIONS STA 69+00 TO 71+00</del>                                            | <del>20</del> |                                                                            |               |
| <del>GROSS SECTIONS STA 71+50 TO 74+00</del>                                            | <del>21</del> | <del>ELASTOMERIC EXP. JOINT SEAL, GENERAL DATA</del>                       | 58            |
| <del>GROSS SECTIONS STA 74+50 TO 77+00</del>                                            | <del>22</del> | <del>ELASTOMERIC EXP. JOINT SEAL, TYPE "A" INSTALLATION</del>              | 59            |
| <del>GROSS SECTIONS STA 77+50 TO 80+00</del>                                            | <del>23</del> | <del>ELASTOMERIC EXP. JOINT SEAL, TYPE "B" INSTALLATION</del>              | 60            |
| <del>GROSS SECTIONS STA 80+50 TO 83+50</del>                                            | <del>24</del> |                                                                            |               |
| <del>GROSS SECTIONS STA 84+00 TO 85+00</del>                                            | <del>25</del> | <del>32" BARRIER RAILING GENERAL DETAILS</del>                             | 61            |
|                                                                                         |               | <del>32" BARRIER RAILING STANDARD SECTION DETAILS</del>                    | 62            |
| <del>TRANSPORTATION DETAILS</del>                                                       | <del>26</del> | <del>32" BARRIER RAILING TRANSITION SECTION DETAILS</del>                  | 63            |
| <del>TRANSPORTATION DETAILS</del>                                                       | <del>27</del> | <del>32" BARRIER RAILING DETAILS AT JOINT SEALS</del>                      | 64            |
|                                                                                         |               |                                                                            |               |
| STORM DRAIN PLAN & PROFILE STA 59+74.25 TO 67+00                                        | 28            | <del>JOEEL ASSEMBLY DETAILS FOR EXPANSION JOINTS 32" BARRIER RAILING</del> | 65            |
| STORM DRAIN PLAN & PROFILE STA 67+00 TO 78+50                                           | 28A           | <del>SLOPE PAVEMENT DETAIL AT BRIDGE</del>                                 | 66            |
| STORM DRAIN PLAN & PROFILE STA 78+50 TO 86+75.99                                        | 29            | <del>METAL PEDESTRIAN RAILING DETAILS</del>                                | 67            |
| STORM DRAIN PLAN & PROFILE STA 10+00 TO 13+69.47                                        | 30            |                                                                            |               |
|                                                                                         |               |                                                                            |               |
| STORM DRAIN DETAILS                                                                     | 31            |                                                                            |               |
| STORM DRAIN DETAILS                                                                     | 32            |                                                                            |               |
| STORM DRAIN DETAILS                                                                     | 33            |                                                                            |               |
| STORM DRAIN DETAILS                                                                     | 34            |                                                                            |               |

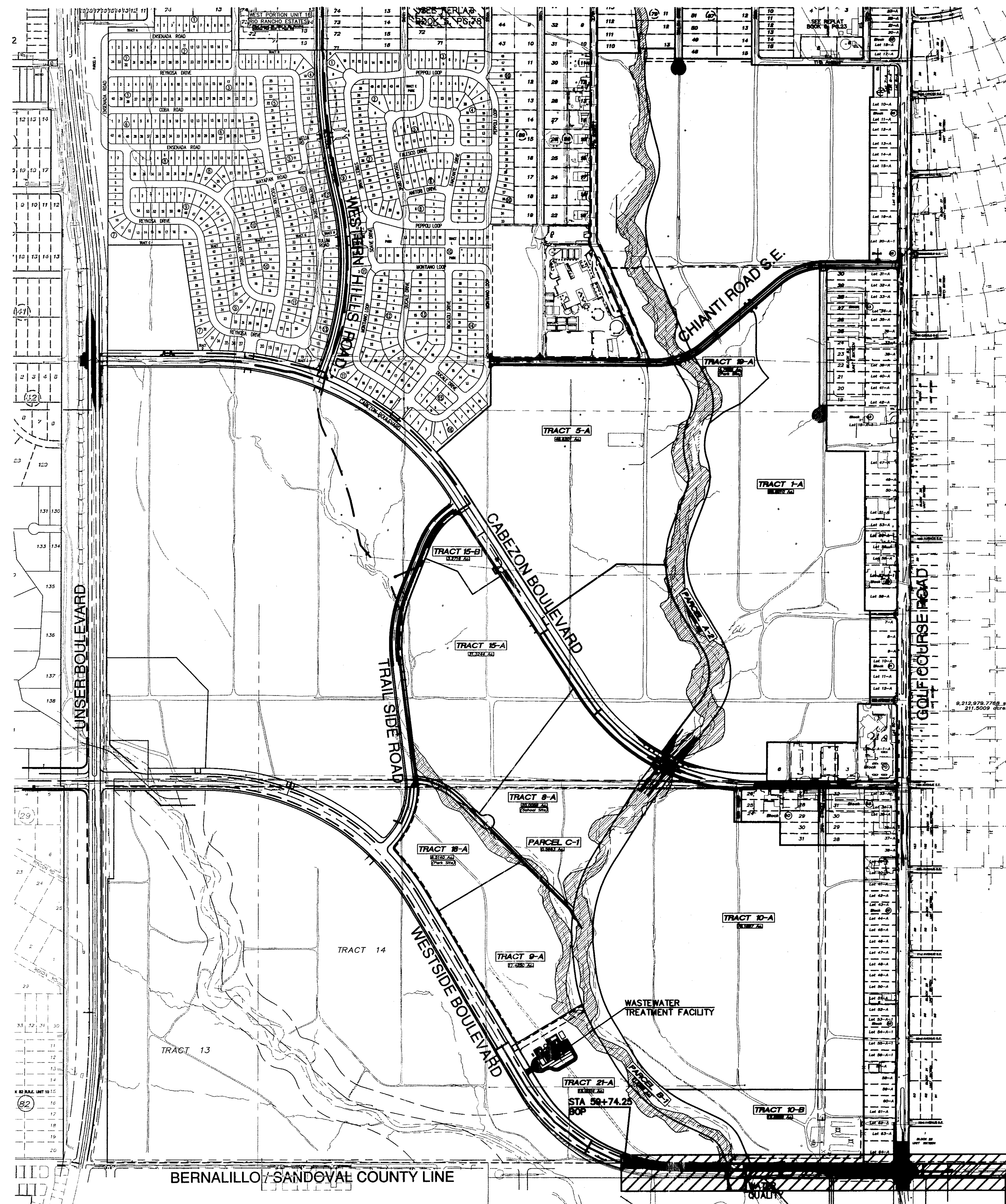
APPROVED FOR CONSTRUCTION

NOTICE TO CONTRACTOR:  
THE STRIKED SHEETS ARE NOT  
PART OF THIS CONTRACT.

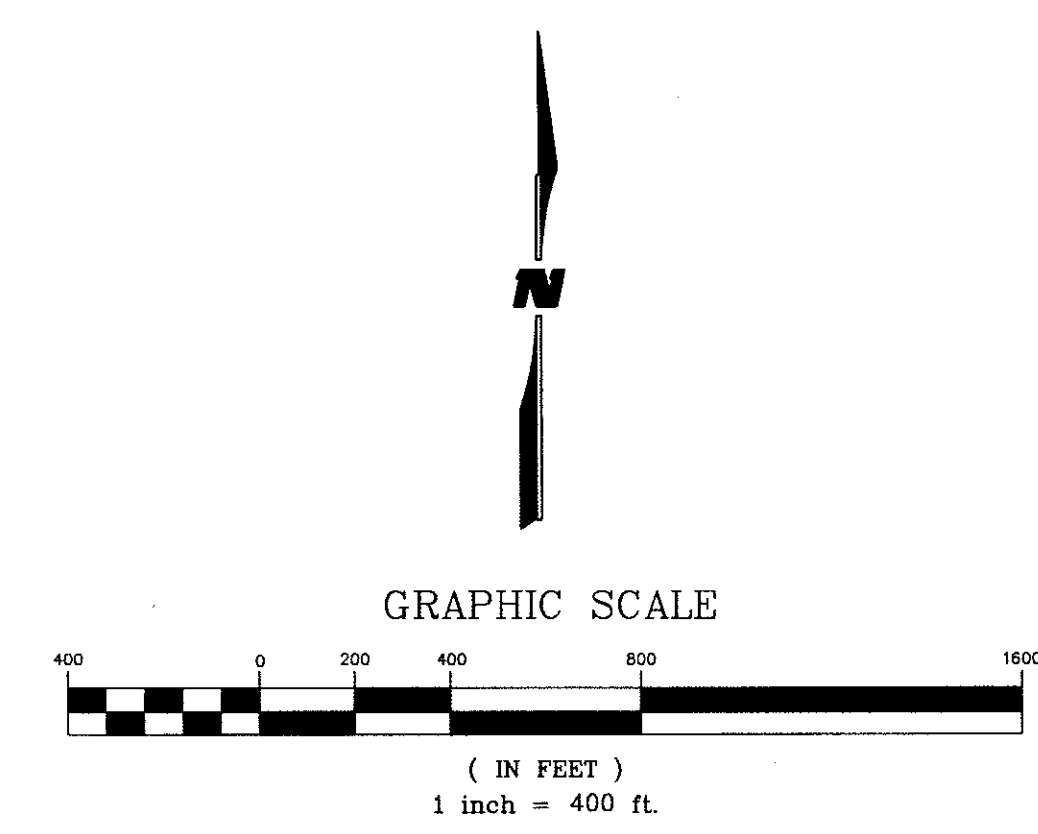
*John P. Kelly* 9-22-06  
JOHN P. KELLY, P.E.  
EXECUTIVE ENGINEER  
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

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|-----------------------------|--------|------------------|--------------------------|-----------------|-----------------------------------------------|-----------------|-------|
| REV                         | SHEETS | CITY ENGINEER    | DATE                     | USER DEPARTMENT | DATE                                          | USER DEPARTMENT | DATE  |
| ENGINEERS STAMP & SIGNATURE |        | APPROVALS        | ENGINEER                 | DATE            | *****                                         |                 |       |
|                             |        | DRC Chairman     | <i>[Signature]</i>       | 9-28-06         | APPROVED FOR CONSTRUCTION                     |                 |       |
|                             |        | Transportation   | <i>[Signature]</i>       | 9/27/06         |                                               |                 |       |
|                             |        | Water/Wastewater |                          |                 |                                               |                 |       |
|                             |        | Hydrology        | <i>Bradley J. Bigham</i> | 9/20/06         |                                               |                 |       |
|                             |        | Parks            |                          |                 |                                               |                 |       |
|                             |        | Constr. Mngmt.   |                          |                 | City Engineer <i>[Signature]</i> 10-6-06 Date |                 |       |
|                             |        | Constr. Coord.   |                          |                 |                                               |                 |       |
|                             |        | City Project No. | 7718.81                  | Sheet           |                                               | 1               | Of 71 |



- LEGEND**
- \* PROPOSED 100 HPS LIGHT STANDARD
  - \* EXISTING STREET LIGHT
  - ===== PROPOSED STREET PAVING
  - CABEZON BOUNDARY
  - PROPOSED ROW
  - PROPOSED TRACT LINES



|                                                                                                                                             |                                                        |                                                                                                                                 |               |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------|
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| Design Review Committee<br><br>City-Project: No. 7718.81                                                                                    | City Engineer Approval<br><br>Zone Map No. A-12 & A-13 | Last Design Update<br>Mo./Day/Yr.<br>Mo./Day/Yr.                                                                                | Sheet 2 Of 79 |

GENERAL NOTES:

1. ALL WORK DETAILED ON THESE PLANS (EXCEPT FOR WATER & WASTEWATER, SEE GENERAL NOTE 6) TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2003 EDITION, AS AMENDED THROUGH UPDATE NO. 7, THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY & BRIDGE CONSTRUCTION 1994 EDITION, & THE NEW MEXICO UTILITIES, INC. SPECIFICATIONS FOR WATER & WASTEWATER FACILITIES, AS REVISED ON 12/31/2003.
2. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER, AND SHALL BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEY SECTION. WHEN A CHANGE IS MADE IN ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, INC., (260-1990) FOR LOCATION OF EXISTING UTILITIES.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
6. ALL UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEW MEXICO UTILITIES, INC., SPECIFICATIONS FOR WATER AND WASTE WATER FACILITIES (MOST RECENT REVISIONS).
7. THE CONTRACTOR SHALL NOTIFY NEW MEXICO UTILITIES (898-2661) THREE (3) WORKING DAYS PRIOR TO BEGINNING THE CONSTRUCTION OF THE UTILITIES.
8. THE PUBLIC WATER LINE MUST BE A MINIMUM OF 18" ABOVE THE SEWER LINE AT ALL CROSSINGS.
9. THE CONTRACTOR SHALL FURNISH ELECTRO MAGNETIC DISK'S ON ALL WATER AND SEWER SERVICE STUBS, CAPS, AND PLUGS.
10. ALL DRY UTILITIES AND WET UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
11. UTILITY CROSSINGS: SERVICE LINE UTILITY CROSSINGS, WHICH HAVE MORE THAN ONE LINE WITH A TWO-FOOT 3-DIMENSIONAL PRISM, SHALL BE PAID FOR AS ONE CROSSING. SERVICE LINE IS DEFINED AS A 4" DIAMETER OR SMALLER LINE. TRUNK UTILITY LINE CROSSINGS, WHICH HAVE MORE THAN ONE LINE WITHIN A TWO-FOOT 3-DIMENSIONAL PRISM, SHALL BE PAID FOR AS ONE CROSSING. TRUNK LINE IS DEFINED AS GREATER THAN 4" DIAMETER LINE.
12. TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE PROJECT ENGINEER.
13. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
14. IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
15. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED BY CONTRACTOR WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS IN EXISTING STRIPING LOCATIONS UNLESS OTHERWISE INDICATED BY THIS PLAN SET.
16. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24 HOUR CONSTRUCTION.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR, OR REMOVAL AND REPLACEMENT, OF ANY PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEPADS, SIDEWALK, WHEELCHAIR RAMP OR ANY OTHER EXISTING IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATIONS.
18. FOR STORM DRAIN CONSTRUCTION, RCP PIPE SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
19. MAINTENANCE OF AS-BUILT PLANS: THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO WEEKS, AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY AMAFCA AND THE PROJECT ENGINEER THROUGHOUT THE PROJECT, AND WILL BE REVIEWED FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO AMAFCA AND THE PROJECT ENGINEER PRIOR TO FINAL PAYMENT. FAILURE TO MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS SHALL BE SUBJECT TO A \$100/DAY FINE FOR EACH WORK DAY NOT REFLECTED ON PLANS. PAY DEDUCTION SHALL BE DEDUCTED FROM UNIT BID ITEM FOR CONSTRUCTION AS-BUILTS

20. CLEANING OF EXISTING STRUCTURES: THE CONTRACTOR SHALL CLEAN ALL EXISTING STRUCTURES THAT ARE TO REMAIN OPERATIONAL PRIOR TO INITIATING STRUCTURE EXTENSION WORK. STRUCTURES SHALL BE CLEAN AT THE TIME OF FINAL PROJECT ACCEPTANCE. THE GATLE GUARD AT IRVING/LYON BLVD. INTERSECTION SHALL BE CLEAN AT ALL TIMES. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE THEREFORE.
21. ACCESS TO LOCAL BUSINESSES AND RESIDENCES: THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE OF AND SCHEDULE ACCESS CLOSURES AT LEAST 48 HOURS IN ADVANCE WITH THE PROPERTY OWNERS AND THE CITY OF ALBUQUERQUE AND BERNALLILO COUNTY. THE COST FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO DIRECT PAYMENT WILL BE MADE THEREFORE.
22. FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO AMAFCA AND THE PROJECT ENGINEER A DETAILED CONSTRUCTION SCHEDULE. CONSTRUCTION SCHEDULE SHALL CONFORM TO THE CRITICAL PATH METHODOLOGY AND SHALL CLEARLY ILLUSTRATE ACTIVITY TASKS, A LOGICAL NETWORK SEQUENCE: EARLY START, EARLY FINISH, LATE START, LATE FINISH, FREE FLOAT TIME, TOTAL FLOAT TIME, AND INDEPENDENT FLOAT TIME FOR INDIVIDUAL TASKS; TASK SUMMARIES, AND OVERALL PROJECT. CPM SCHEDULE SHALL BE UPDATED AND SUBMITTED WITH EACH PAY APPLICATION OR AT LEAST EVERY 30 DAYS (MINIMUM). FAILURE TO SUBMIT PERIODICALLY (30 DAYS MIN.) REVISED CPM SCHEDULE AS REQUIRED SHALL BE SUBJECT TO A \$250.00 FINE FOR EACH CALENDAR DAY LATE. PAY DEDUCTION SHALL BE DEDUCTED FROM UNIT BID ITEM FOR CONSTRUCTION SCHEDULE.
23. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE EXECUTION OF THE WATER VALVE SHUTOFF PLAN WITH NEW MEXICO UTILITIES. ALL WATER VALVES TO BE SHUT OFF WILL BE TESTED AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO SHUT OFF. VALVES ARE TO BE OPERATED BY N.M. UTILITIES PERSONNEL ONLY. CONTRACTOR SHALL NOTIFY NEW MEXICO UTILITIES AT 898-2661 FORTY-EIGHT (48) HOURS PRIOR TO WATERLINE CONSTRUCTION.
24. THE CONTRACTOR SHALL NOTIFY THE LOCAL FIRE DEPARTMENT AT LEAST TWO (2) WORKING DAYS PRIOR TO EITHER TAKING FIRE HYDRANTS OUT OF SERVICE OR RETURNING THEM TO SERVICE.
25. VIDEO RECORDINGS OF THE CONSTRUCTION AREA, STRUCTURES, AND AREAS ADJACENT TO THE LIMITS OF CONSTRUCTION SHALL BE MADE AND MAINTAINED. SPECIAL ATTENTION SHALL BE GIVEN TO THE STRUCTURES IMMEDIATELY PARALLEL AND ADJACENT TO LYON BOULEVARD, LOCATED ON THE EAST AND WEST SIDES, AND BETWEEN IRVING BOULEVARD AND PARADISE BOULEVARD. SPECIAL ATTENTION SHALL ALSO BE PAID TO ITEMS SUCH AS STRUCTURES AND PROPERTIES ABUTTING THE PROJECT LIMITS, WATERCOURSES, AND OTHER AREAS SUBJECT TO DAMAGE OR EROSION, AND AS DIRECTED BY THE PROJECT ENGINEER.
- THE VIDEO RECORDINGS WILL BE USED TO DETERMINE ANY IMPACTS ON STRUCTURES AND AREAS DUE TO THE CONTRACTOR'S OPERATIONS. THE TERM VIDEOTAPE IS USED INTERCHANGEABLY TO DESCRIBE VHS AND DVD VIDEO RECORDING.
26. VIBRATION MONITORING SHALL BE PERFORMED IN AND AROUND ALL STRUCTURES AS DEFINED IN SECTION 101, ABBREVIATIONS, DEFINITIONS, AND TERMS; AS INDICATED IN THE CONTRACT, AND AS DIRECTED BY THE PROJECT ENGINEER.
- VIBRATION MONITORING SHALL BE PERFORMED TO DETERMINE IF VIBRATIONS POTENTIALLY DAMAGING TO THE ADJACENT STRUCTURES, PARALLEL TO LYON BOULEVARD ON THE EAST AND WEST SIDES, ARE CREATED AS A RESULT OF CONSTRUCTION ACTIVITY RELATED TO THE INSTALLATION OF THE STORM DRAIN. REFER TO FIGURE 1 FOR PARTICULAR LOTS AFFECTED. FIGURE 1 DOES NOT REPRESENT ANY AFFECTED RESIDENTS. CONTRACTOR SHALL EMPLOY THE SERVICES OF A NEW MEXICO LICENSED PROFESSIONAL, QUALIFIED TO IDENTIFY VIBRATION MONITORING LIMITS AS IDENTIFIED IN THE PROJECT SPECIFICATIONS.
27. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN, AT THEIR EXPENSE, A TOPSOIL DISTURBANCE PERMIT FOR THE PROJECT.
28. CONTRACTOR SHALL CONTACT COA TRAFFIC OPS & COORDINATE A "PRE-STRIPING" MEETING ON-SITE, PRIOR TO REPLACEMENT OF ALL PERMANENT STRIPING & MARKINGS.
29. SUCCESSFUL BIDDER WILL BE PROVIDED AN ELECTRONIC ACAD FILE FOR LAYING OUT ROADWAY PAVING, CURB & GUTTER, TEMPORARY ASPHALT CURB, & SIDEWALKS.
30. CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATED AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926, SUBPART P-EXCAVATIONS.
31. WHEN ABUTTING NEW PAVEMENT TO EXISTING PAVEMENT, SAW CUT EXISTING PAVEMENT IN A STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. PRIOR TO LAYING NEW PAVEMENT, THE EXPOSED EXISTING ASPHALT EDGE SHALL BE TACK-COATED.
32. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING & MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.

LIST OF INCIDENTALS:

1. UTILITY REPAIR COSTS (EXCLUDES UTILITY CROSSINGS, GENERAL NOTE 11)
2. EARTHWORK HAUL.
3. DESIGN, INSTALLATION, AND REMOVAL OF SHIELDING FOR CONSTRUCTION EQUIPMENT OR MATERIAL WITH IN CONSTRUCTION CLEAR ZONE.
4. HAULING OF SALVAGEABLE MATERIALS.
5. EXISTING WATER LINE TO BE PLUGGED AND ABANDONED.
6. HAULING OF REMOVALS & DISPOSED MATERIAL.
7. WARPING OF SLOPES.
8. CLEANING OF EXISTING STRUCTURES.
9. CONSTRUCTION WATER.
10. UTILITY VERIFICATION, LINE SPOTTING, POT HOLING, AND EXPLORATION.
11. EXISTING SERVICE LINE DISCONNECT AND RECONNECT.
12. OTHER: AS OUTLINED ON THE GENERAL NOTES SHEET.

AMAFCA NOTES

1. AMAFCA Field Engineer shall be notified 48-hours prior to any work within the AMAFCA R/W. Tel 505-884-2215 Kurt Wagener.
2. No work will be performed int the AMAFCA R/W between May 15 and October 15 without written permission from AMAFCA.
3. All sub-grade, backfill, and embankment shall be compacted to 95% (modified proctor) within the AMAFCA R/W. Testing reports shall be provided to AMAFCA Field Engineer.
4. AMAFCA Field Engineer will be notified 48-hours prior to final inspection of any facilities within the AMAFCA R/W.
5. All disturbed ground areas shall be revegetated in accordance with City of Albuquerque Standard Specifications for Public Works Construction, Section 1012 Native Grass Seeding, as currently updated.

Approved For Construction Within  
AMAFCA Right-of-way:

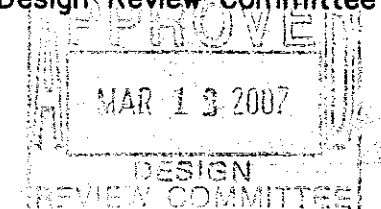
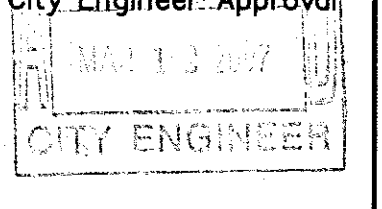
For AMAFCA DATE

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED:

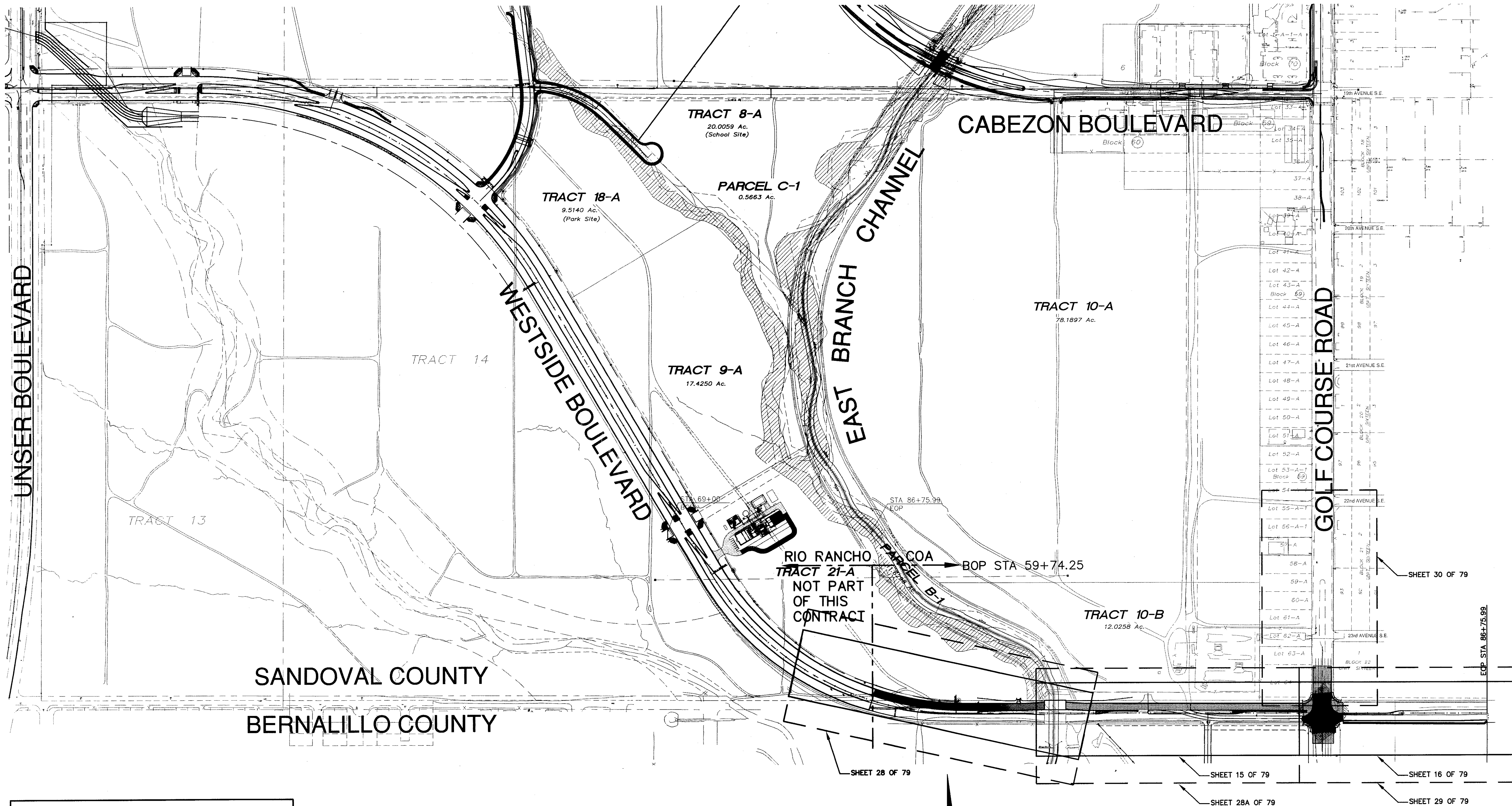
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☒ FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

UTILITY CONTACTS

| COMPANY              | PHONE                        | MOBILE       | CONTACT                                                     |
|----------------------|------------------------------|--------------|-------------------------------------------------------------|
| NEW MEXICO UTILITIES | 505.898.2661                 |              | A.S. WARNER                                                 |
| PNM – ELECTRIC       | 505.241.3421                 | 505.934.8798 | BOBBY ARMIJO                                                |
| PNM – GAS            | 505.241.7771                 |              | JOE DUNLOP                                                  |
| QWEST                | 505.245.8530                 |              | ROSARIO KNIFFIN                                             |
| NM ONE CALL          | 505.260.1990                 |              |                                                             |
| JONES INTERCABLE     | 505.761.6215<br>505.761.6234 |              | RITA BANNER-PLANNING & DESIGN<br>MIKE GALLEGOS-CONSTRUCTION |
| METRIC CORPORATION   | 505.828.2801                 |              | GARY RICHARDSON                                             |

|                                                                                                                                                |                                                                                                                  |                                                                                                                 |                    |             |             |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------|-------------|-------------|
| <b>WILSON &amp; COMPANY</b><br>2600 THE AMERICAN ROAD SE<br>SUITE 100<br>RIO RANCHO, NEW MEXICO<br>87124<br>(505) 898-8021<br>www.wilsonco.com | CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP                                              |                                                                                                                 |                    |             |             |
|                                                                                                                                                | WESTSIDE BOULEVARD S.E.<br>GENERAL NOTES                                                                         |                                                                                                                 |                    |             |             |
|                                                                                                                                                | Design Review Committee<br> | City Engineer Approval<br> | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr. |
|                                                                                                                                                |                                                                                                                  |                                                                                                                 |                    |             |             |
|                                                           | City Project No.<br>7718.812                                                                                     | Zone Map No.<br>A-12 & A-13                                                                                     | Sheet<br>3         | Of<br>79    |             |

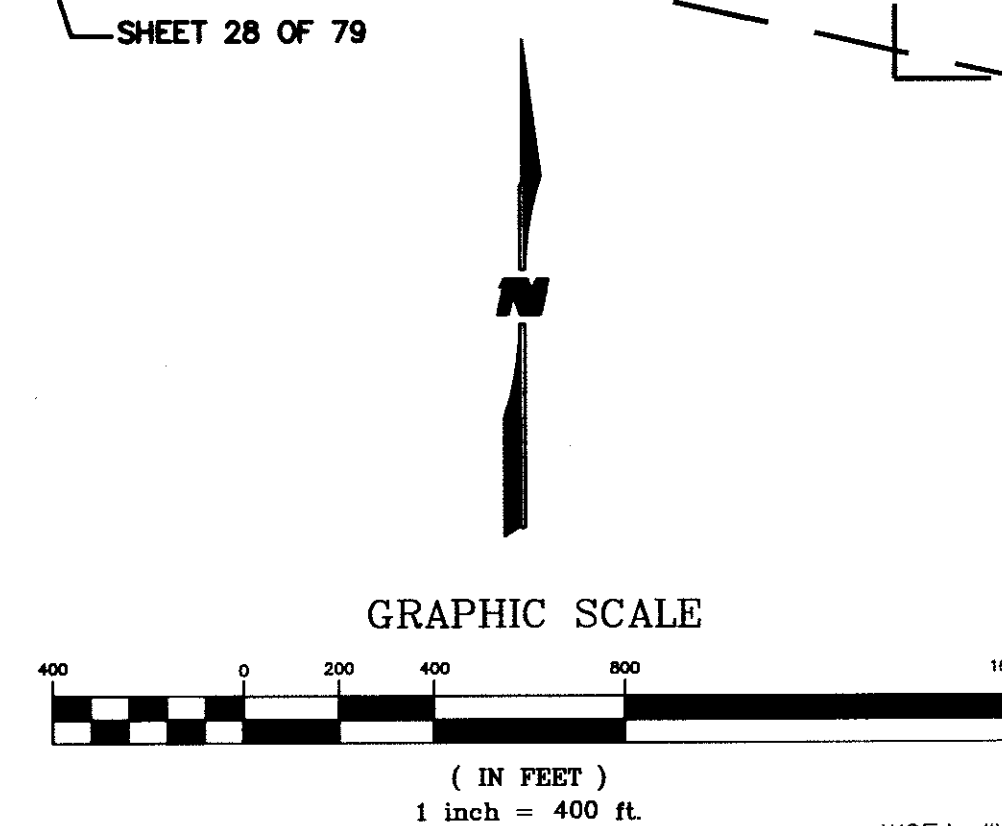
WCEA #X421801201  
MAR 2007



SANDOVAL COUNTY  
BERNALILLO COUNTY

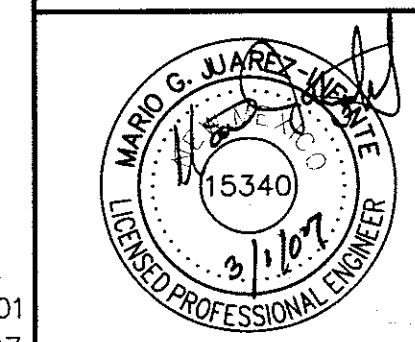
ROADWAY PLAN & PROFILE

STORM DRAIN PLAN & PROFILE



WCEA #X421801201  
MAR 2007

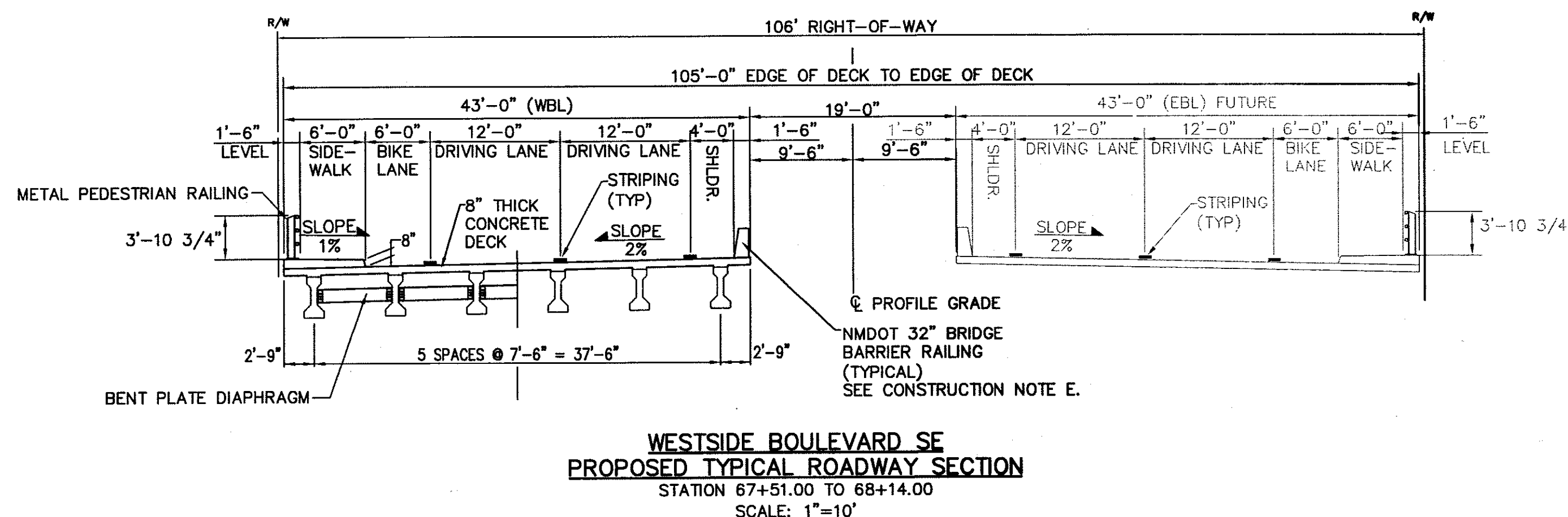
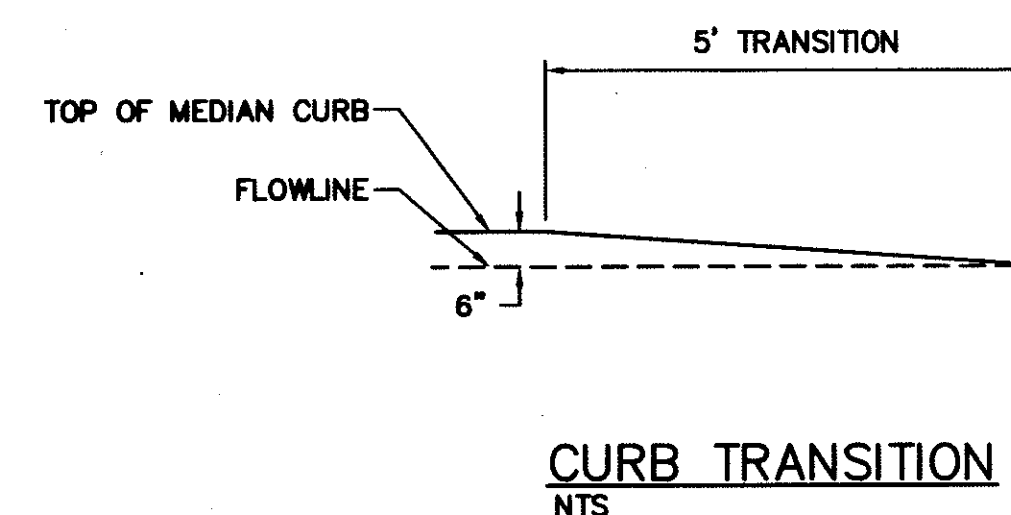
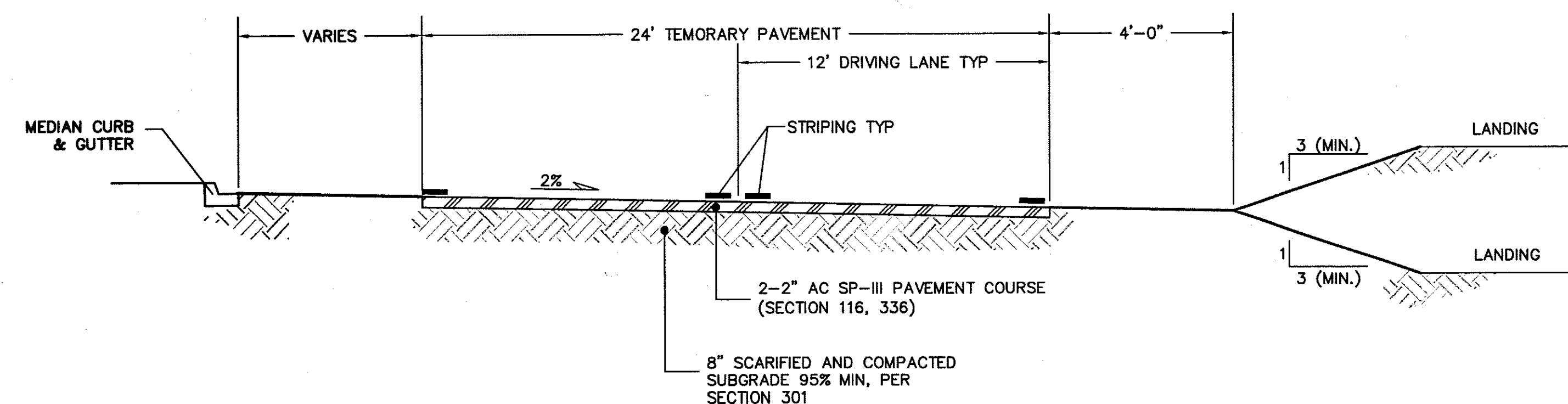
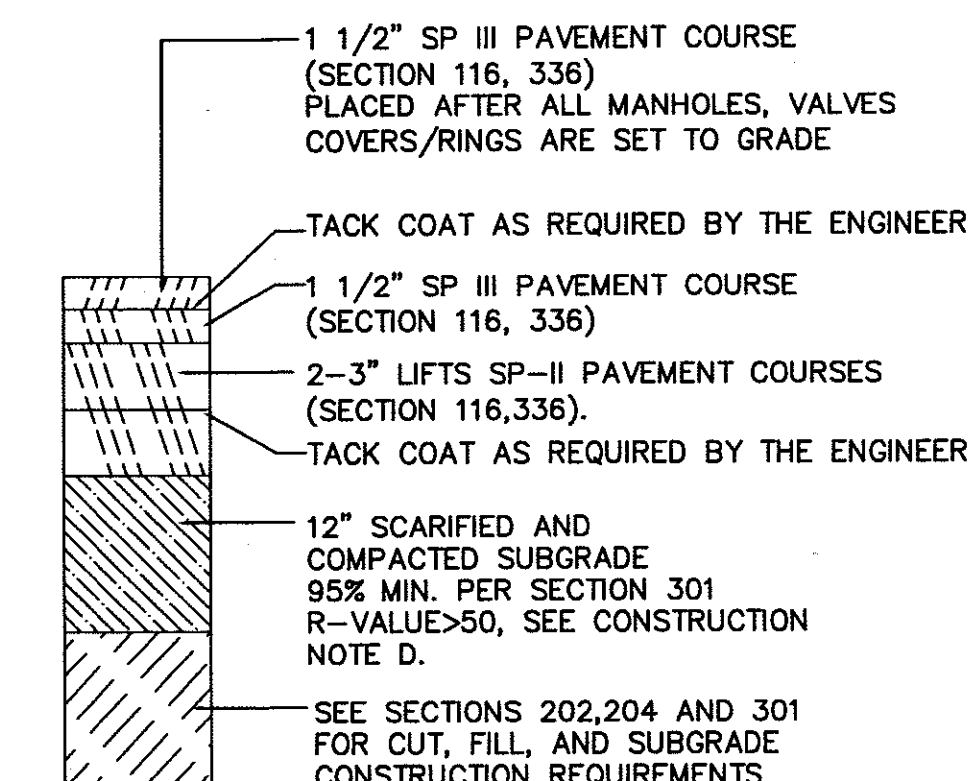
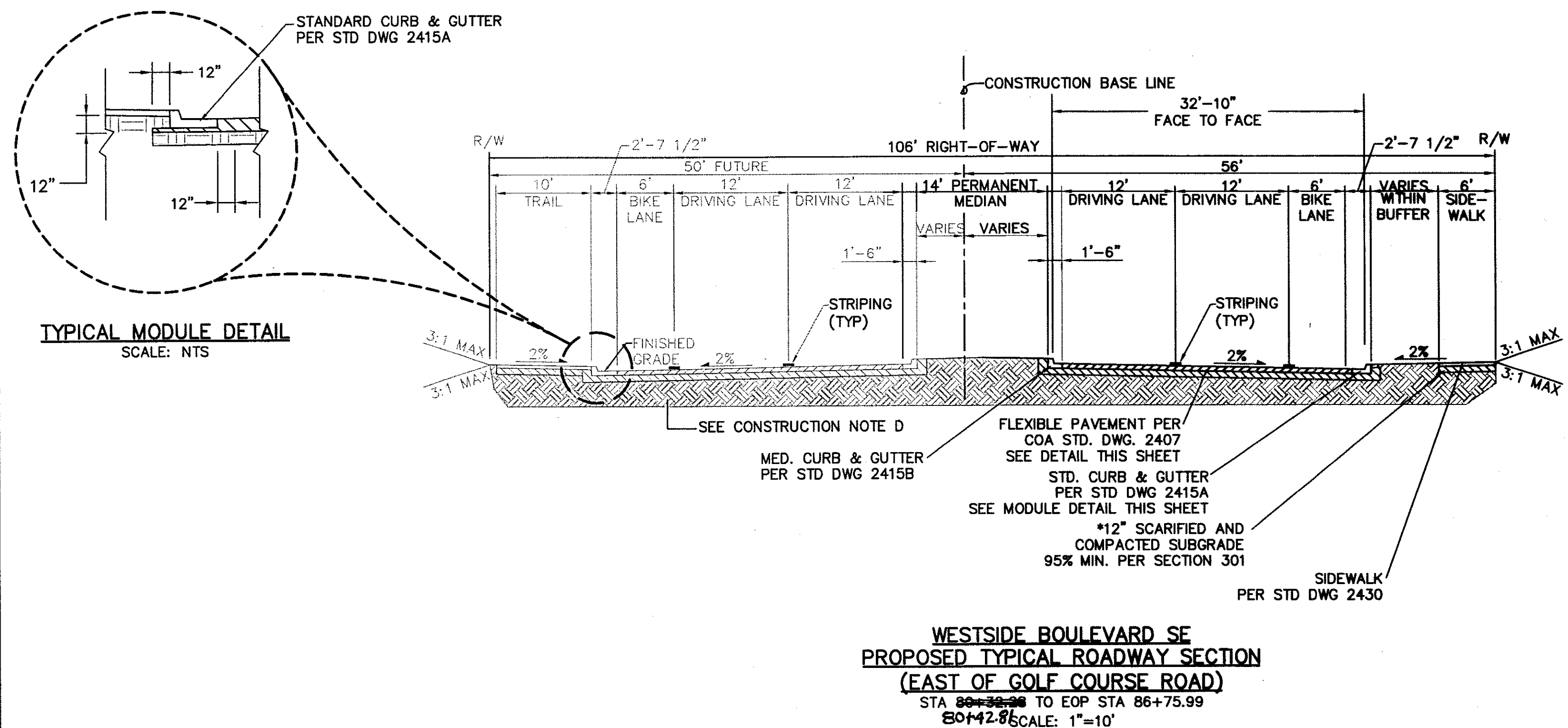
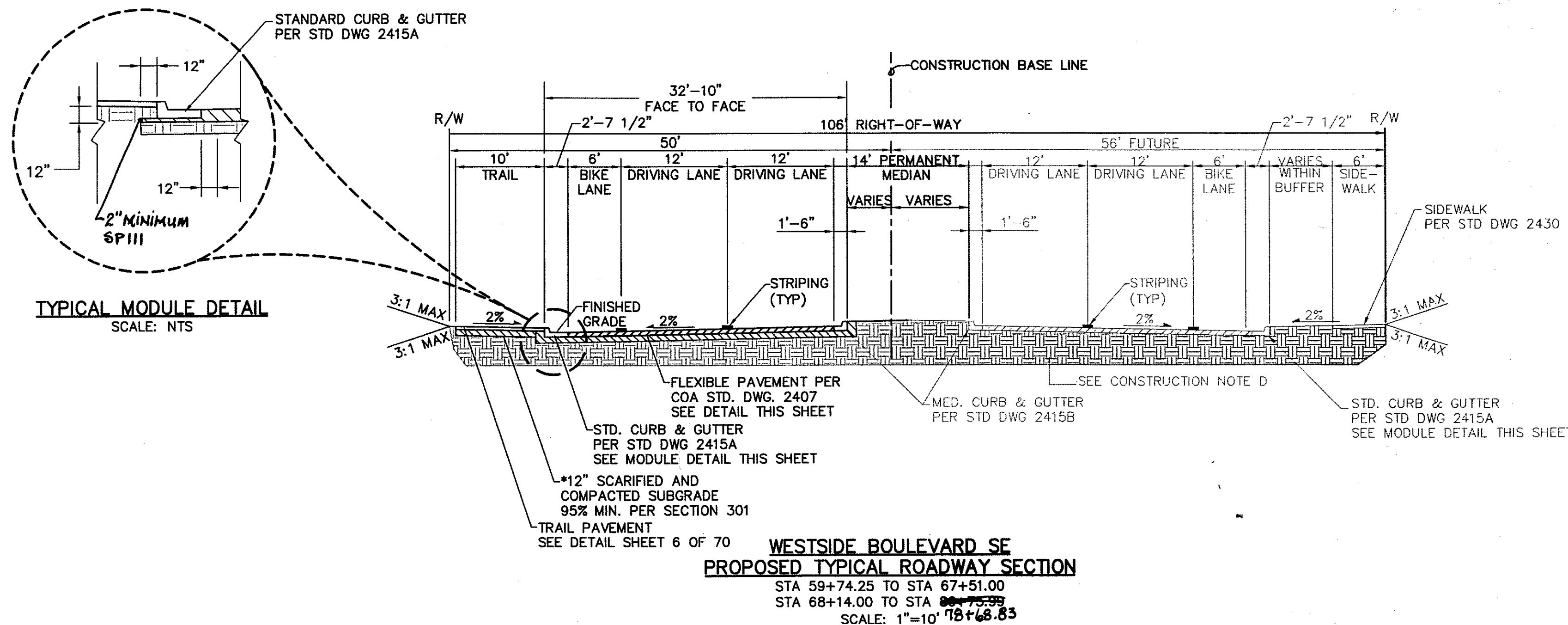
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| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP    |                                                        |             |             |
|------------------------------------------------------------------------|--------------------------------------------------------|-------------|-------------|
| WESTSIDE BOULEVARD S.E.<br>SHEET LAYOUT                                |                                                        |             |             |
| Design Review Committee<br>APPROVED<br>MAR 12 2007<br>DESIGN COMMITTEE | City Engineer Approval<br>MAR 13 2007<br>CITY ENGINEER | Mo./Day/Yr. | Mo./Day/Yr. |
| City Project No.<br>7718.8                                             | Zone Map No.<br>A-12 & A-13                            | Sheet<br>4  | Of<br>79    |

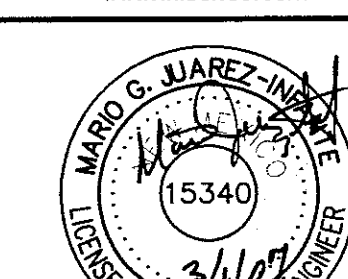
GENERAL NOTES:  
1. STATIONS & OFFSETS REFERENCE BACK OF CURB.

CONSTRUCTION NOTES:  
A. PAVING TO BE CONSTRUCTED AS DETAILED PER COA STD. DWG. 2407, EXCEPT PAVING SECTIONS SHALL CONSIST OF COMPONENTS SHOWN.  
B. EARTH WORK FOR THE PROJECT SHALL BE PERFORMED AS DETAILED IN SECTION 200, COA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.  
C. PRIOR TO PLACING BASE COURSE AND ASPHALTIC CONCRETE, AN APPROVED SOIL STERILANT SHALL BE APPLIED PER MANUFACTURER'S RECOMMENDATIONS.  
D. TESTING SHALL BE PERFORMED ON THE SUBGRADE SOILS DURING CONSTRUCTION, PER SECTION 301 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, BUT NOT LESS THAN EVERY 250 SY OF SUBGRADE PREP. TO CONFIRM R-VALUE OF 50 OR GREATER. \*IF DURING CONSTRUCTION SUBGRADE SOILS WITH R-VALUE LESS THAN 50 ARE ENCOUNTERED THE AREA WITH THIS SOIL SHALL BE OVER EXCAVATED 2 FEET BELOW FINISHED SUBGRADE AND IMPORTED SUBGRADE SOIL, R-VALUE > 50 PLACED IN 4-6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE  $\pm$  2.0%, ASTM D1557, OR OPT. MOISTURE, TO +4%, ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE SHALL BE INSTALLED.  
E. CONCRETE BARRIER RAILING FOR BRIDGES SHALL COMPLY WITH THE NEW MEXICO STATE AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 514, AS AMENDED IN THE SUPPLEMENTAL SPECIFICATIONS.



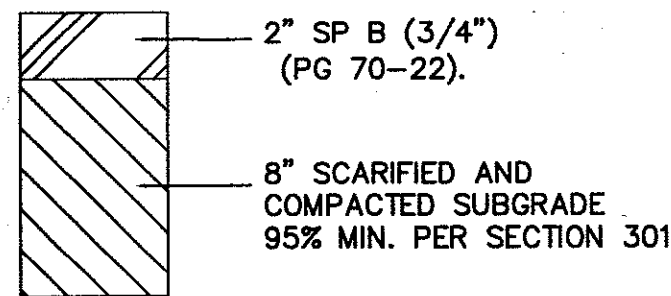
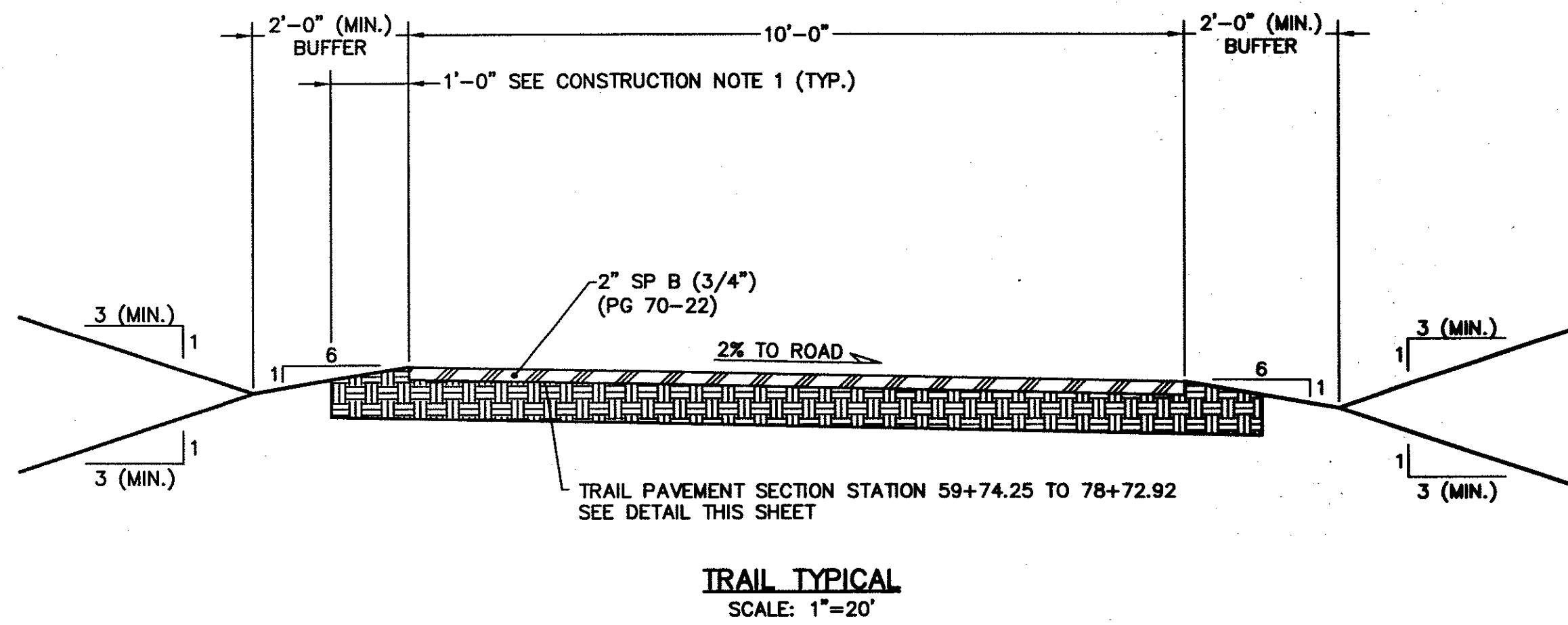
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| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP<br>WESTSIDE BOULEVARD S.E. |                        |                    |             |
|------------------------------------------------------------------------------------------------|------------------------|--------------------|-------------|
| TYPICAL ROADWAY SECTION                                                                        |                        |                    |             |
| Design/Review Committee                                                                        | City Engineer Approval | Last Design Update | Mo./Day/Yr. |
| MAR 12 2007                                                                                    | MAR 12 2007            |                    |             |
| City Project No.                                                                               | Zone Map No.           | Sheet              | Of          |
| 7718.81                                                                                        | A-12 & A-13            | 5                  | 79          |

- GENERAL NOTES:**
1. STATIONS & OFFSETS REFERENCE BACK OF CURB
- CONSTRUCTION NOTES:**
1. 8" SUBGRADE TO EXTEND 12" BEYOND TRAIL, TYP. BOTH SIDES.



**TRAIL PAVEMENT SECTION**  
NTS  
PER COA STD DWG 2415B

|                                                                                                                                                |                                                                               |                                                                    |                    |               |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------|---------------|
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|                                                                                                                                                | WESTSIDE BOULEVARD S.E.                                                       |                                                                    |                    |               |
|                                                                                                                                                | TYPICAL TRAIL SECTION                                                         |                                                                    |                    |               |
|                                                                                                                                                | Design Review Committee<br>APPROVED<br>MAR 12 2007<br>DESIGN REVIEW COMMITTEE | City Engineer Approval<br>APPROVED<br>MAR 12 2007<br>CITY ENGINEER | Last Design Update | Mo./Day/Yr.   |
| City Project No. 7718.81                                                                                                                       |                                                                               | Zone Map No. A-12 & A-13                                           |                    | Sheet 6 Of 79 |

SURV-TEK, INC. PANEL POINT #118  
PROJECT SURFACE COORDINATES  
NORTHING= 1538038.508  
EASTING= 1513514.383  
ELEVATION= 5255.159  
STATION= 81+66.11  
OFFSET= 15.19 LT

PP-118

| WESTSIDE BOULEVARD SE<br>CENTERLINE OF CONSTRUCTION<br>ALBUQUERQUE, NEW MEXICO |             |          |            |            |
|--------------------------------------------------------------------------------|-------------|----------|------------|------------|
| STATION                                                                        | BEARING     | DISTANCE | NORTHING   | EASTING    |
| 59+74.25                                                                       | —           | —        | 1535369.57 | 1511375.71 |
| 86+75.99                                                                       | S89°49'50"E | 1864.13  | 1535305.39 | 1514071.61 |

| CURVE TABLE |         |          |         |           |
|-------------|---------|----------|---------|-----------|
| CURVE       | LENGTH  | RADIUS   | TANGENT | DELTA     |
| C1          | 376.29' | 1250.00' | 189.58' | 17°14'53" |

CITY OF RIO RANCHO      CITY OF ALBUQUERQUE

BOP STA 59+74.25

C1

S89°49'50"E  
2325.44'

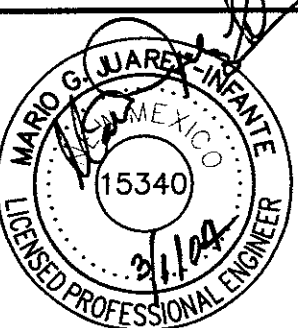
BASELINE FOR CONSTRUCTION

EOP STA 86+75.99



WESTSIDE BOULEVARD SE  
GEOMETRIC CONTROL &  
HORIZONTAL CENTERLINE CONTROL  
SCALE: 1"=200'

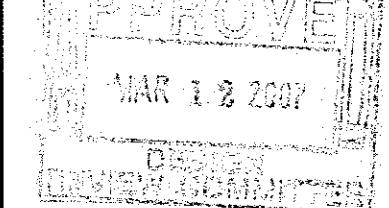
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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

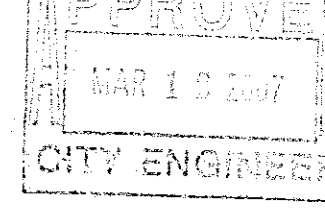
WESTSIDE BOULEVARD S.E.  
GEOMETRIC & HORIZONTAL  
CENTERLINE CONTROL

Design Review Committee



City Project No.

City Engineer Approval



Zone Map No.

Last Design Update



Sheet

Of

7718.82

A-12 & A-13

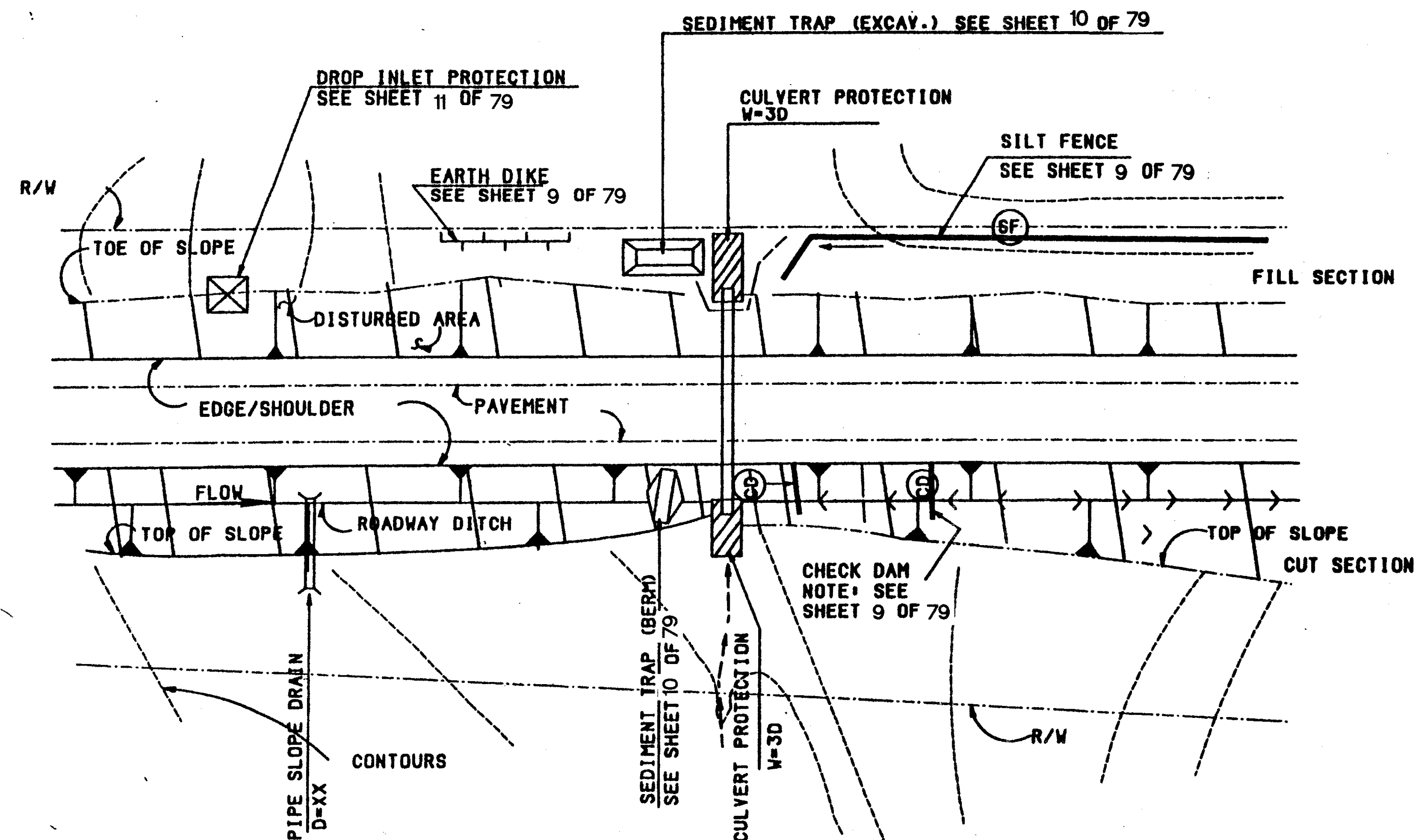
7 79

WCEA #X421801201  
MAR 2007

# TEMPORARY EROSION & SEDIMENT CONTROL MEASURES (T.E.S.C.M.)

## GENERAL NOTES:

1. THE SOIL RETENTION BLANKET INSTALLATION DETAILS SHOWN FOR CULVERT PROTECTION SHALL BE USED FOR ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES UTILIZING SOIL RETENTION BLANKETS UNLESS OTHERWISE NOTED.
2. ROCK PLACEMENT USED IN THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THESE SHEETS SHALL HAVE A MINIMUM THICKNESS OF 6" UNLESS OTHERWISE INDICATED.
3. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PLACED WITHIN THE CONSTRUCTION CLEAR ZONE SHALL BE INSTALLED WITH 8:1 SLOPES PARALLEL TO TRAFFIC AND 4:1 SLOPES PERPENDICULAR TO TRAFFIC.
4. SEDIMENT TRAPS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN APPROXIMATELY 50% FILLED.
5. CHECK DAMS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN THE DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE CHECK DAM.
6. CULVERT PROTECTIONS SHALL BE INSTALLED UPON INITIATION OF EARTH ACTIVITIES AND MAINTAINED AS MUCH AS PRACTICAL UNTIL STABILIZATION IS COMPLETED AND ACCEPTED. CULVERT PROTECTIONS MAY BE REMOVED FOR PERIODS OF TIME AS REQUIRED DURING CONSTRUCTION TO COMPLETE ADJACENT IMPROVEMENTS.
7. THE CONTRACTOR MAY CONSTRUCT AN EARTH DIKE AS SHOWN, OR RELOCATE THE CHECK DAMS AS CONSTRUCTION PROGRESSES. NO DIRECT PAYMENT SHALL BE MADE FOR RELOCATION OF THE CHECK DAMS.



TYPICAL USAGE OF SELECTED EROSION AND SEDIMENT CONTROL MEASURES

## STANDARD SYMBOLS FOR EROSION AND SEDIMENT CONTROL MEASURES

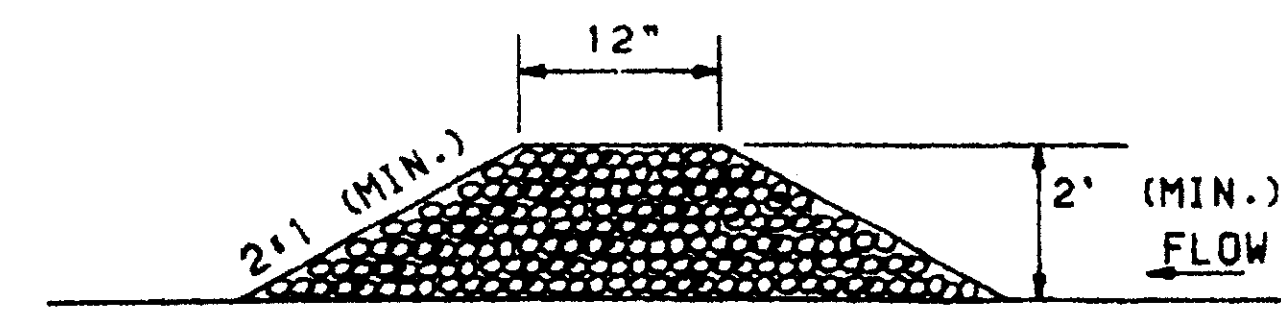
|                                            |  |
|--------------------------------------------|--|
| SILT FENCE TERMINATION                     |  |
| SILT FENCE INSTALLED W/ LONGITUDINAL SLOPE |  |
| CHECK DAM TYPE I & II                      |  |
| EARTH DIKE                                 |  |
| SEDIMENT TRAP- EXCAVATED                   |  |
| SEDIMENT TRAP- BERM                        |  |
| PIPE SLOPE DRAIN                           |  |
| CULVERT PROTECTION                         |  |
| DROPPED INLET PROTECTION                   |  |

|                                                              |                                       |                   |    |
|--------------------------------------------------------------|---------------------------------------|-------------------|----|
| 3                                                            |                                       |                   |    |
| 2                                                            |                                       |                   |    |
| 1                                                            |                                       |                   |    |
| NO.                                                          | DESCRIPTION                           | DATE              | BY |
| REVISIONS (OR CHANGE NOTICES)                                |                                       |                   |    |
| NEW MEXICO STATE<br>HIGHWAY AND TRANSPORTATION<br>DEPARTMENT |                                       |                   |    |
| TEMPORARY EROSION & SEDIMENT<br>CONTROL MEASURES             |                                       |                   |    |
| LAYOUT BY                                                    | APPROVAL <i>Raymundo A. Van Hoven</i> | DATE              |    |
| DRAWN BY                                                     | RECOMMENDED <i>ENGINEER</i>           | DATE              |    |
| CHECKED BY                                                   | APPROVED <i>Raymundo A. Van Hoven</i> | DATE              |    |
|                                                              | DESIGN BUREAU CHIEF                   | DATE              |    |
| DRAWING-050                                                  |                                       | SHEET NO. 8 OF 79 |    |

### GUIDELINES FOR CONTRACTOR'S USE:

THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE POST SPACING FOR SILT FENCE TO MINIMIZE MAINTENANCE.

1. POST SPACING SHALL BE 4' MAXIMUM W/O SUPPORTING FENCE, 10' MAXIMUM WITH SUPPORTING FENCE.
2. POSTS FOR 4' MAXIMUM POST SPACING SHALL BE 2" SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS OR STANDARD T OR U SECTION STEEL POSTS WEIGHING NOT LESS THAN 1.0 LB. PER LINEAR FOOT. POSTS FOR 10' MAXIMUM POST SPACING SHALL BE 4" SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS OR STEEL POSTS AS SPECIFIED ABOVE.
3. SUPPORTING FENCE SHALL BE WIRE MESH (14 GA. MIN., 6" MAX. MESH OPENINGS), SNOW FENCE, PLASTIC FENCE, OR APPROVED EQUAL.
4. SUPPORTING FENCE SHALL BE FASTENED SECURELY TO POSTS WITH STAPLES OR WIRE TIES. FILTER FABRIC SHALL BE FASTENED SECURELY TO SUPPORTING FENCE WITH WIRE TIES SPACED AT 24" CENTERS ALONG THE TOP AND MID-SECTION. WHEN A SUPPORTING FENCE IS NOT USED, FILTER FABRIC SHALL BE SECURELY FASTENED TO POSTS WITH STAPLES OR WIRE TIES.
5. WHEN SILT FENCE IS USED FOR CHECK DAM INSTALLED IN DITCHES A SUPPORTING FENCE SHALL BE PROVIDED AND THE POST SPACING SHALL BE 10' MAXIMUM.
6. STANDARD "T" OR "U" SECTION STEEL POST SHALL NOT BE USED WITHIN THE CONSTRUCTION CLEAR ZONE RECOVERY AREA.

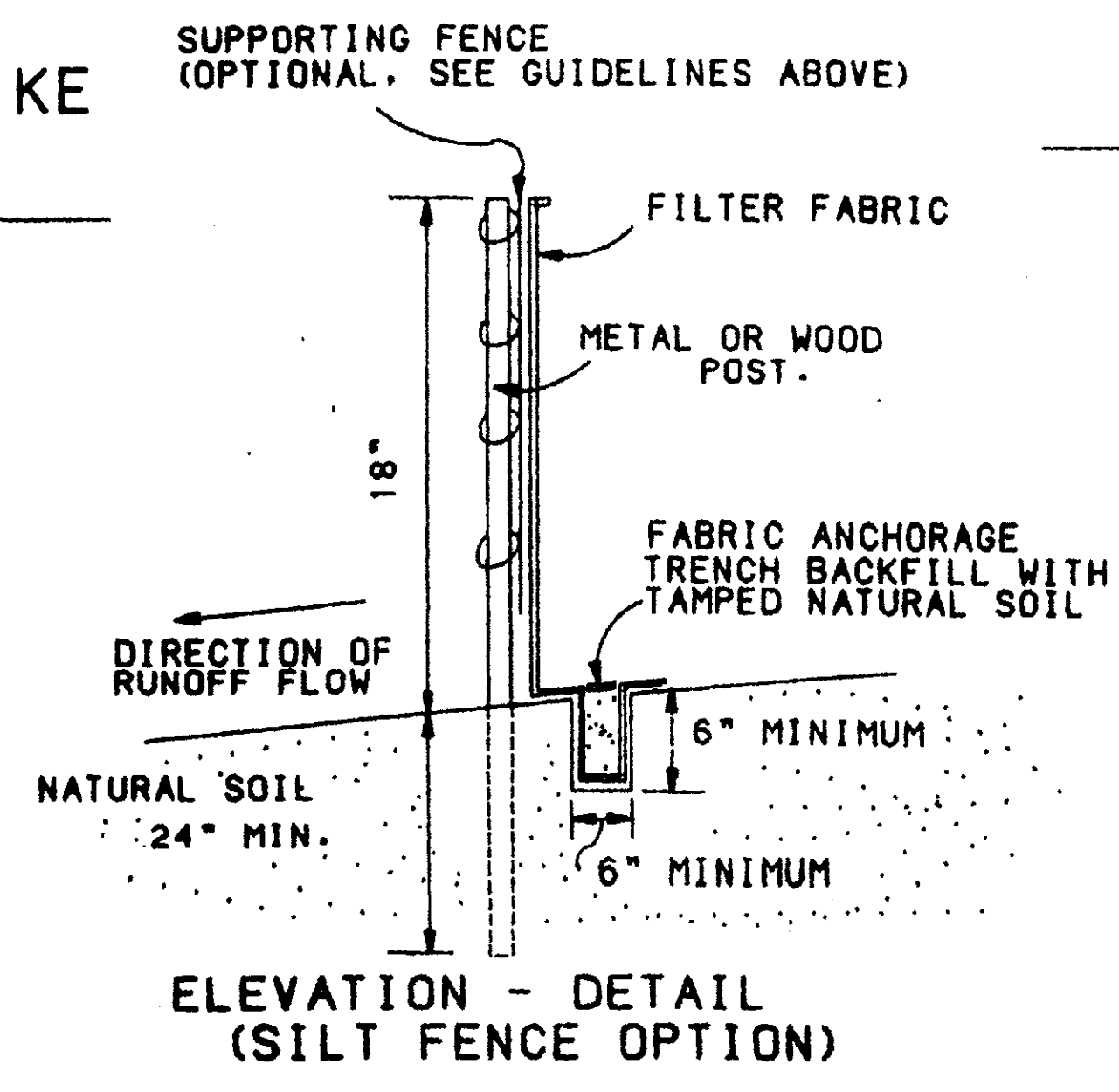


ELEVATION - DETAIL  
(STONE DAM)

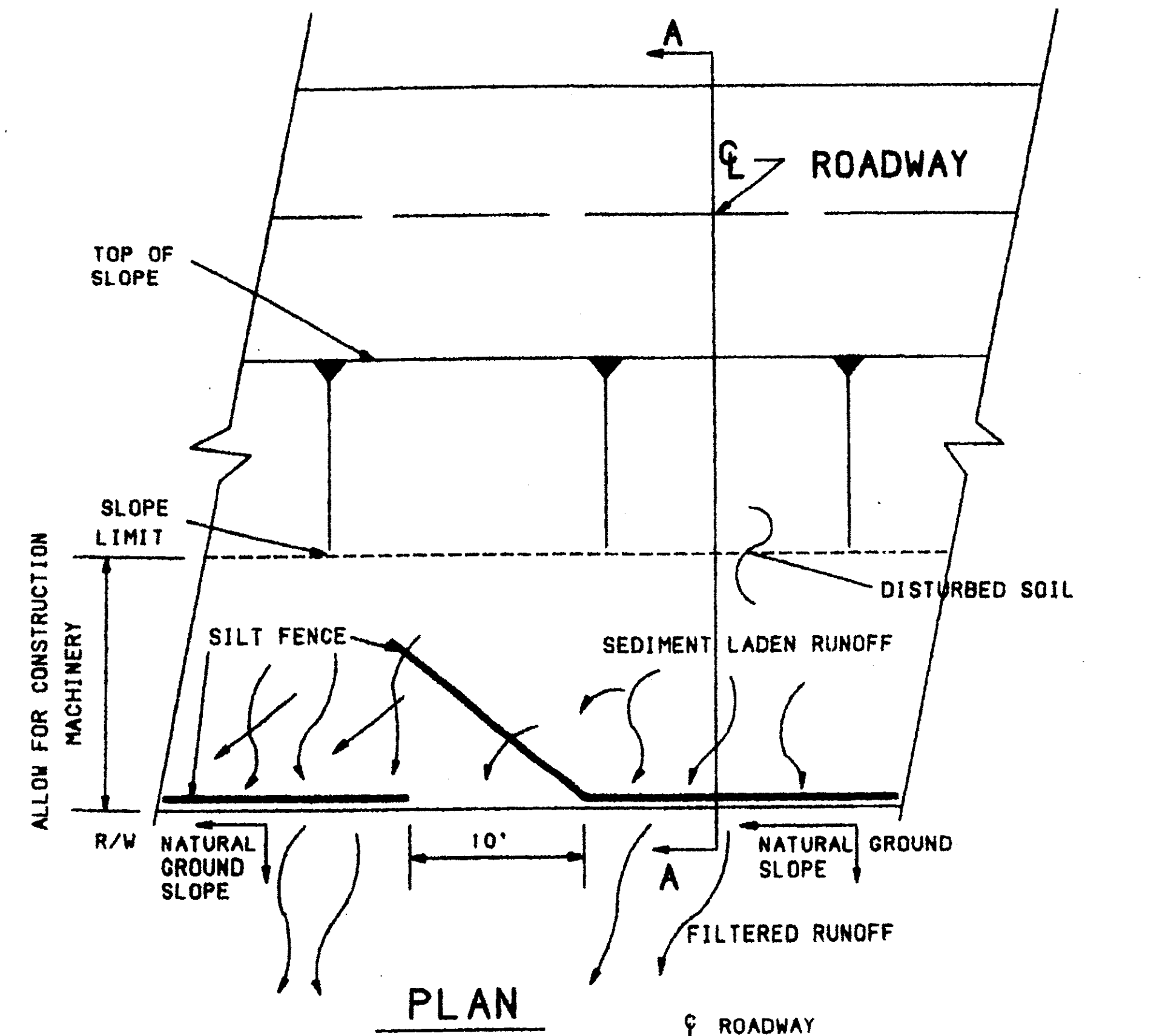
NOTE: STONE SHALL CONSIST OF 1" TO 3" WASHED GRAVEL.

CUT SLOPE APPLICATION

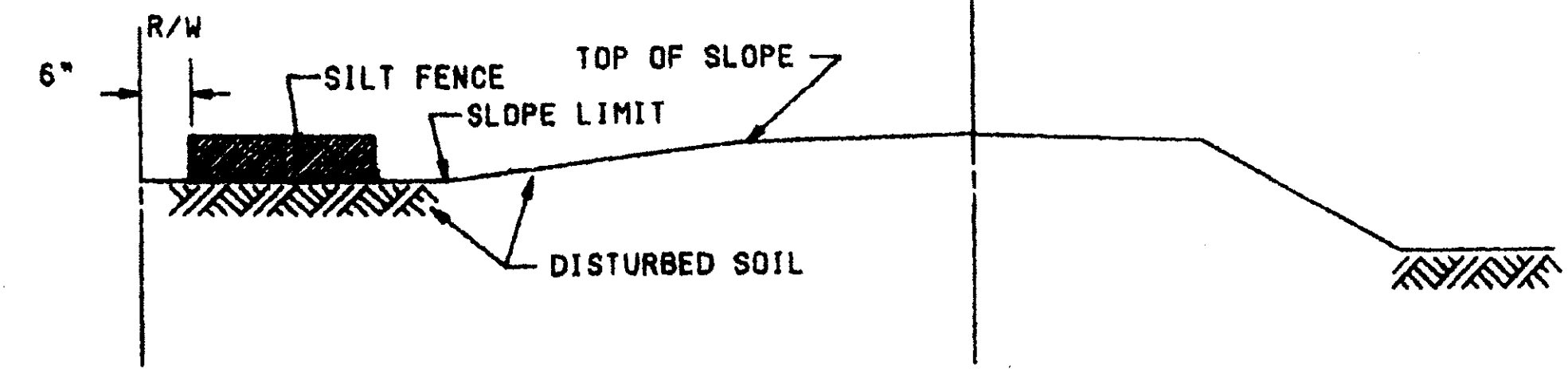
CONTOUR DITCHES AT CUT SLOPES



ELEVATION - DETAIL  
(SILT FENCE OPTION)

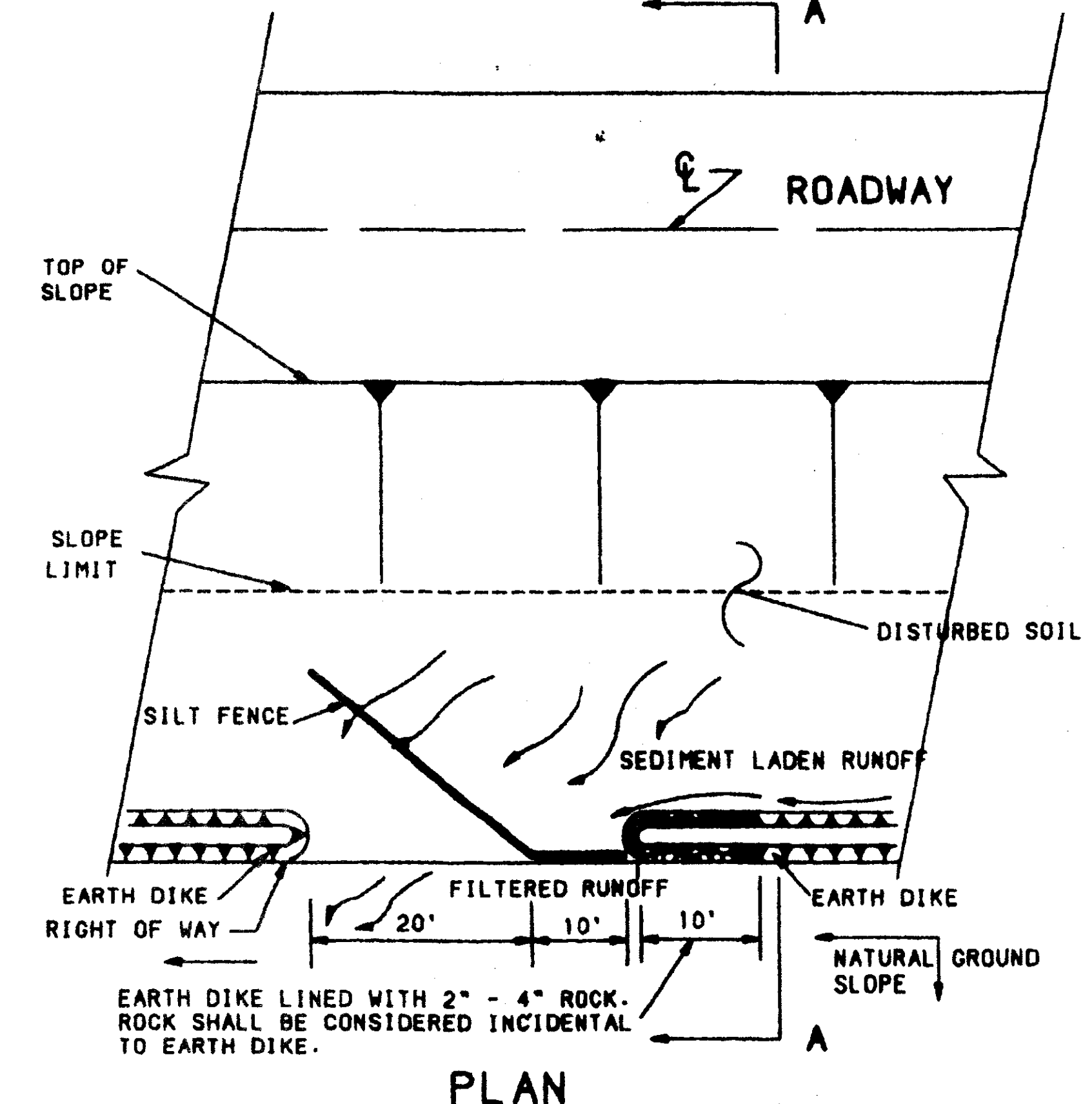


PLAN

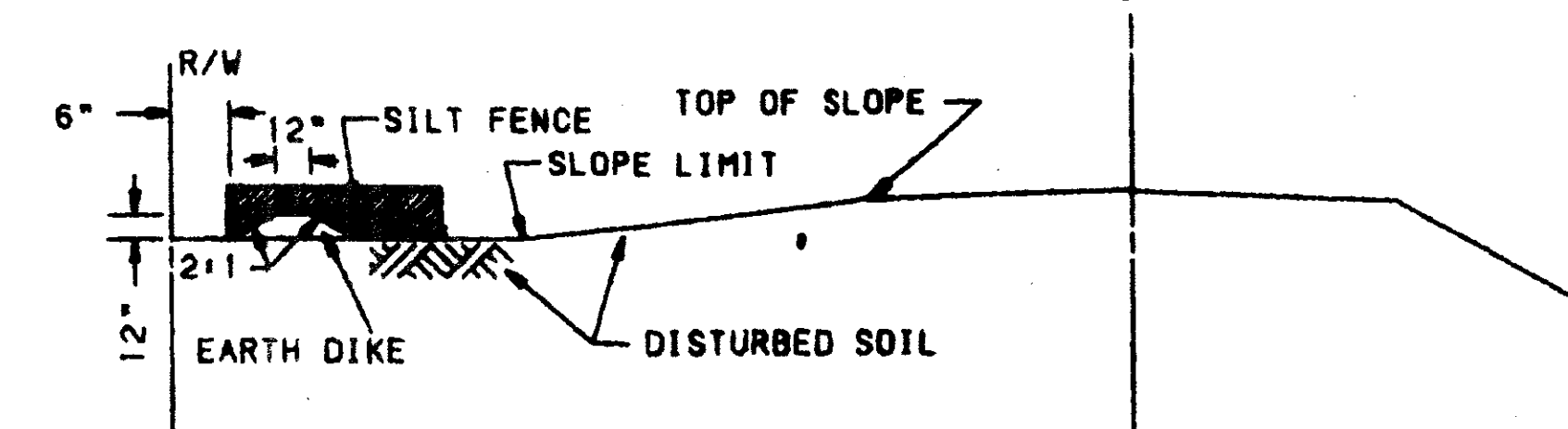


SECTION A-A

TYPICAL INSTALLATION FOR SILT FENCE  
AT THE BOTTOM OF FILL SLOPE

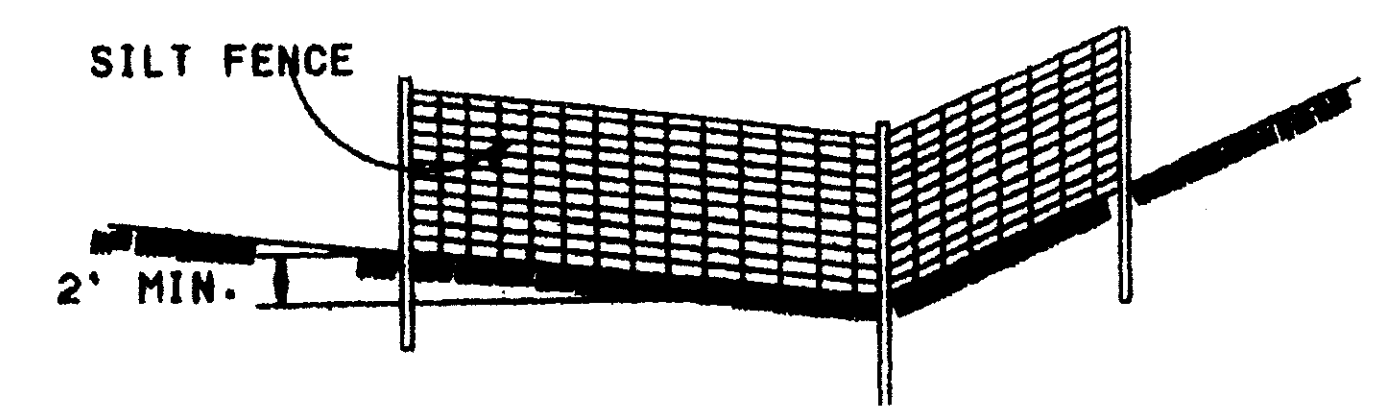


PLAN



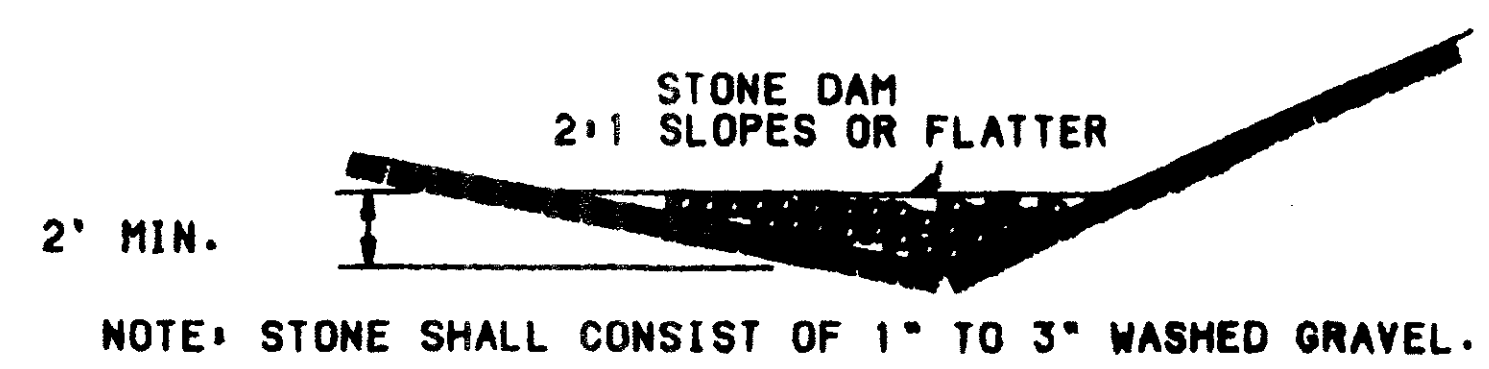
SECTION A-A

TYPICAL INSTALLATION FOR EARTH DIKE  
AT THE BOTTOM OF FILL SLOPE



ELEVATION - CHECK DAM IN ROADSIDE DITCH  
(SILT FENCE)

TYPE I

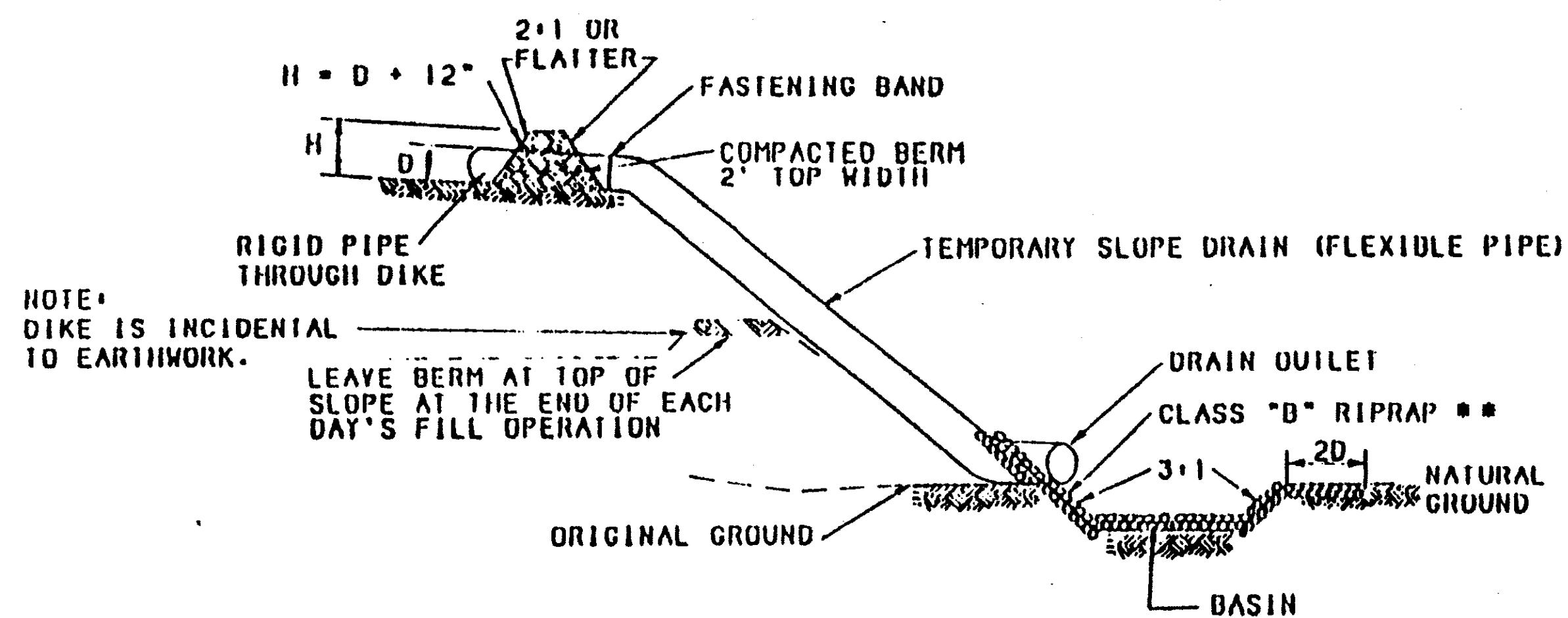


NOTE: STONE SHALL CONSIST OF 1" TO 3" WASHED GRAVEL.

ELEVATION - CHECK DAM IN ROADSIDE DITCH  
(STONE DAM)

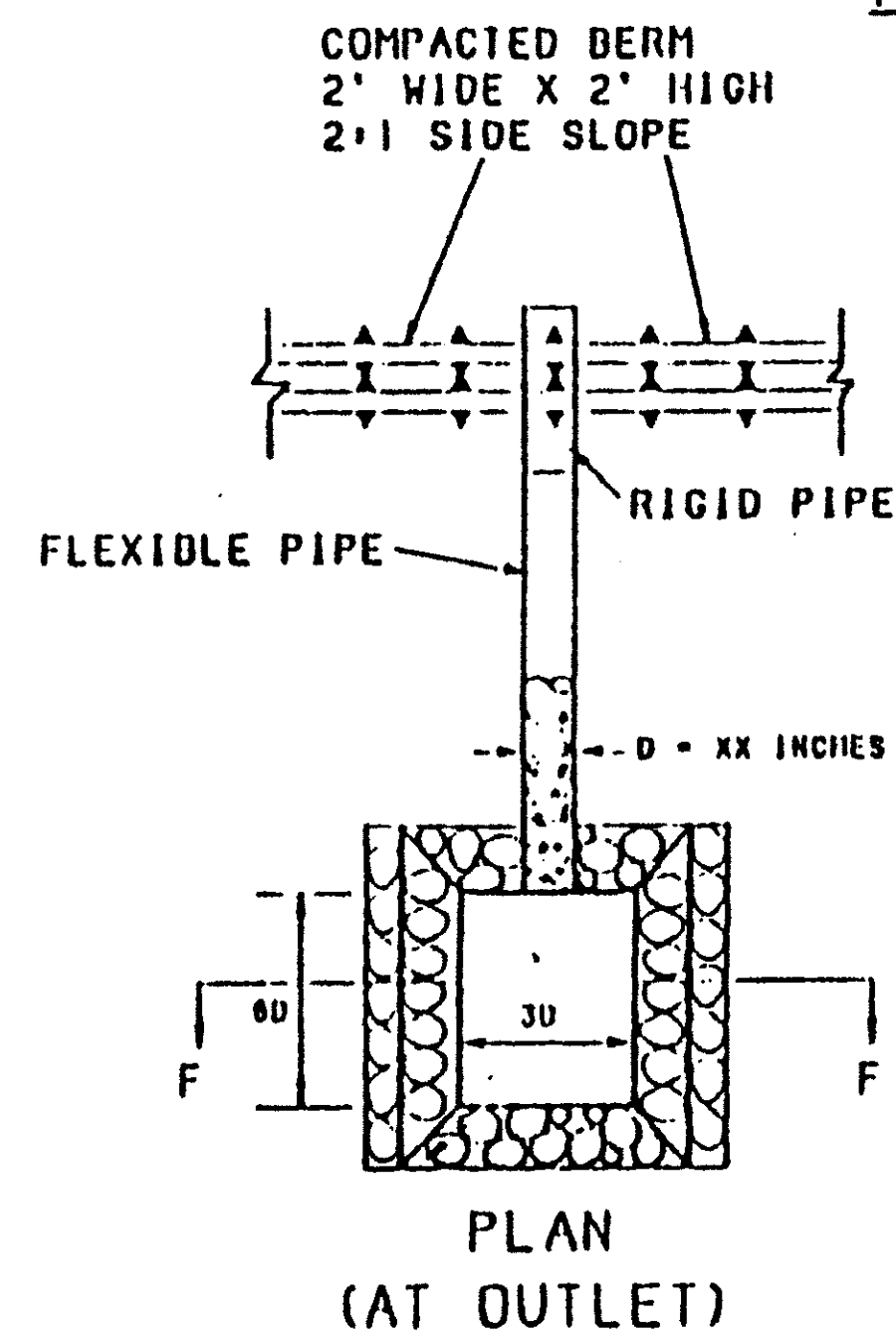
TYPE II

|                                                              |             |                     |          |
|--------------------------------------------------------------|-------------|---------------------|----------|
| 3                                                            |             |                     |          |
| 2                                                            |             |                     |          |
| 1                                                            |             |                     |          |
| NO.                                                          | DESCRIPTION | DATE                | BY       |
| REVISIONS (OR CHANGE NOTICES)                                |             |                     |          |
| NEW MEXICO STATE<br>HIGHWAY AND TRANSPORTATION<br>DEPARTMENT |             |                     |          |
| T.E.S.C.M.<br>SILT FENCE INSTALLATION<br>AND CHECK DAMS      |             |                     |          |
| LAYOUT BY                                                    | APPROVAL    | RECOMMENDED         | ENGINEER |
| DRAWN BY                                                     | APPROVED    | DESIGN BUREAU CHIEF | DATE     |
| CHECKED BY                                                   |             |                     |          |
| DRAWING-050 SHEET NO. 9 OF 79                                |             |                     |          |



TYPICAL FILL SLOPE DRAIN APPLICATION

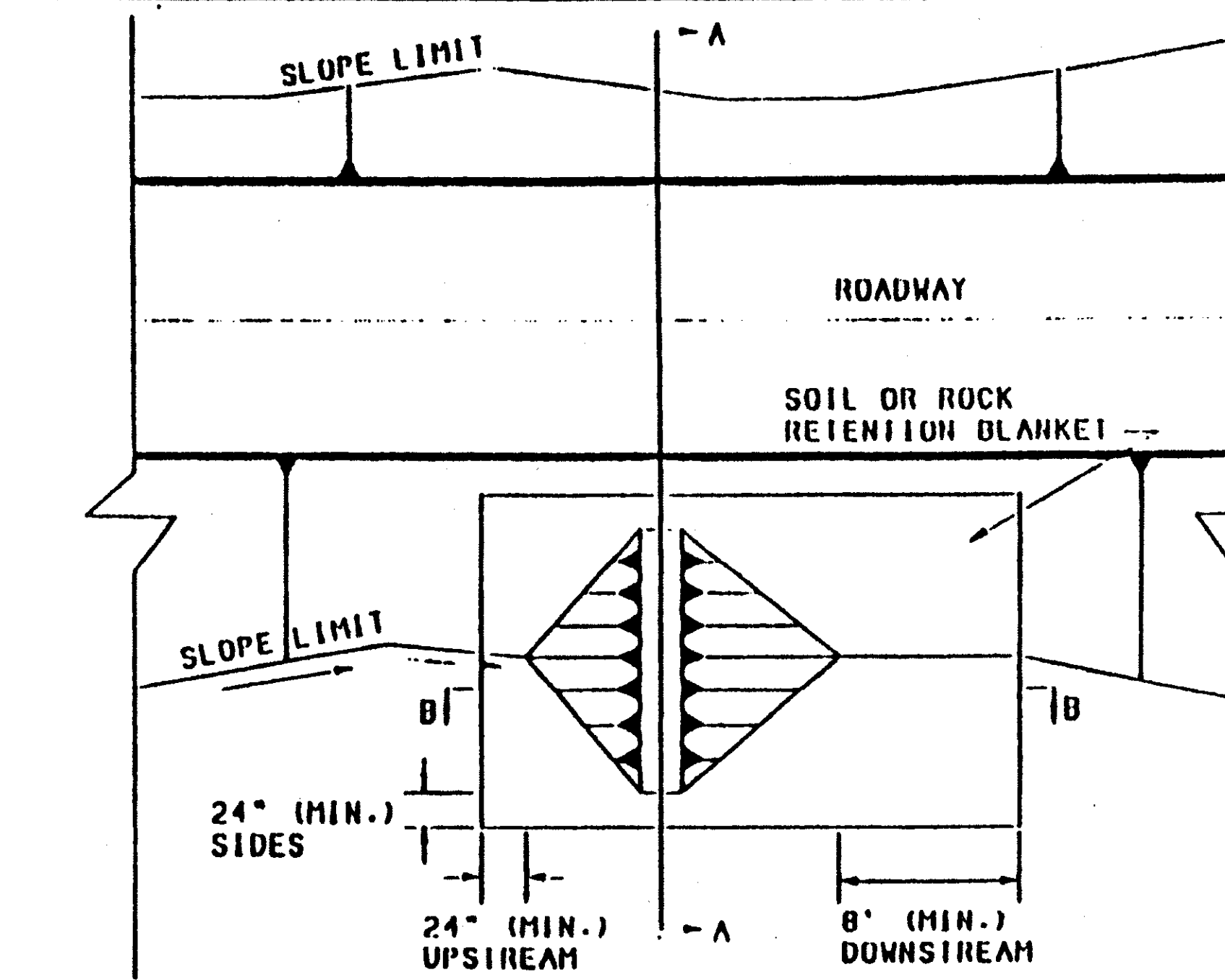
\*\* NOTE: CLASS "B" RIPRAP INCIDENTAL TO PLACEMENT ON TEMPORARY SLOPE DRAIN.



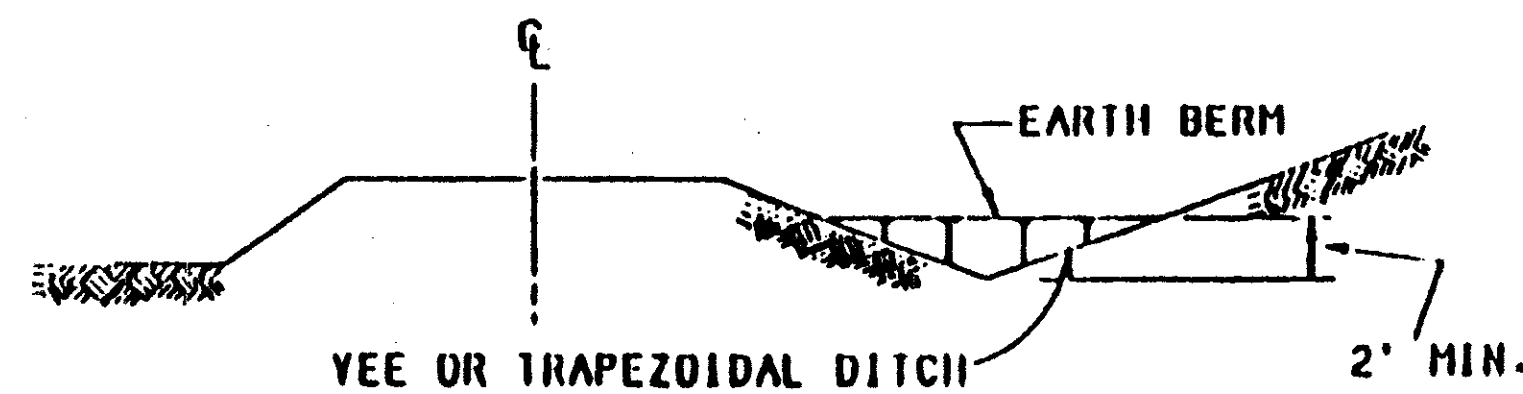
PIPE SLOPE DRAIN

NOTES: PIPE SLOPE DRAIN

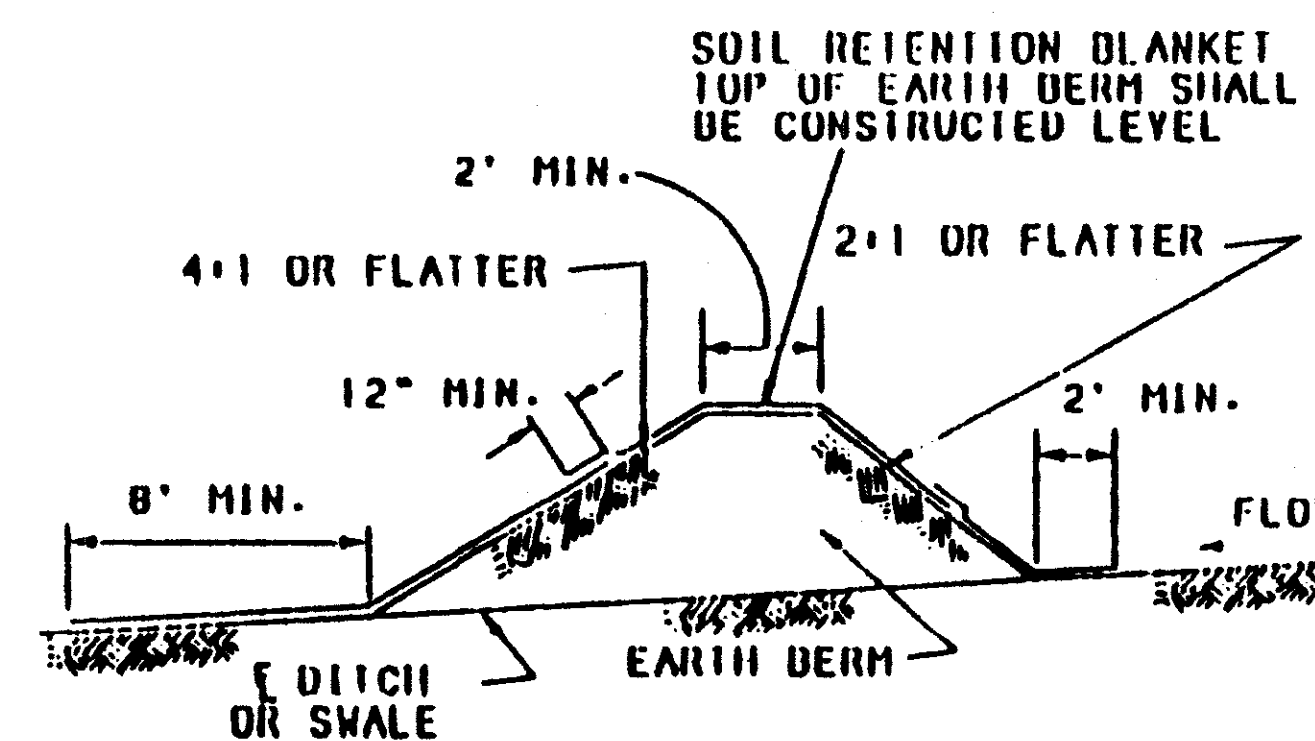
1. THE FLEXIBLE PIPE SHALL BE THE SAME DIAMETER AS THE INLET PIPE AND SHALL BE CONSTRUCTED OF A DURABLE MATERIAL WITH HOLD-DOWN GROMMETS SPACED AT 10' ON CENTER.
2. THE FLEXIBLE PIPE SHALL BE SECURELY FASTENED TO THE CORRUGATED METAL OR HIGH DENSITY POLYETHYLENE PIPE WITH METAL STRAPPING OR WATERTIGHT CONNECTING COLLARS.
3. THE FLEXIBLE PIPE SHALL BE STAKED AT 10' CENTERS ALONG THE SLOPE USING MINIMUM 4" SQUARE WOOD POSTS OR STANDARD STEEL POSTS DRIVEN 2' MINIMUM INTO THE GROUND.
4. RIGID PIPE SHALL BE ANCHORED AT BENDS. ANCHORAGE SHALL CONSIST TO A MINIMUM OF 4" SQUARE WOOD POSTS OR STANDARD STEEL POSTS DRIVEN 2' MINIMUM INTO THE GROUND OR EARTHEN THRUST BLOCK.
5. PAYMENT OF BASIN ITEMS ARE INCIDENTAL TO THE COST OF FLEXIBLE STORM DRAIN PIPE.



PLAN



SECTION A-A

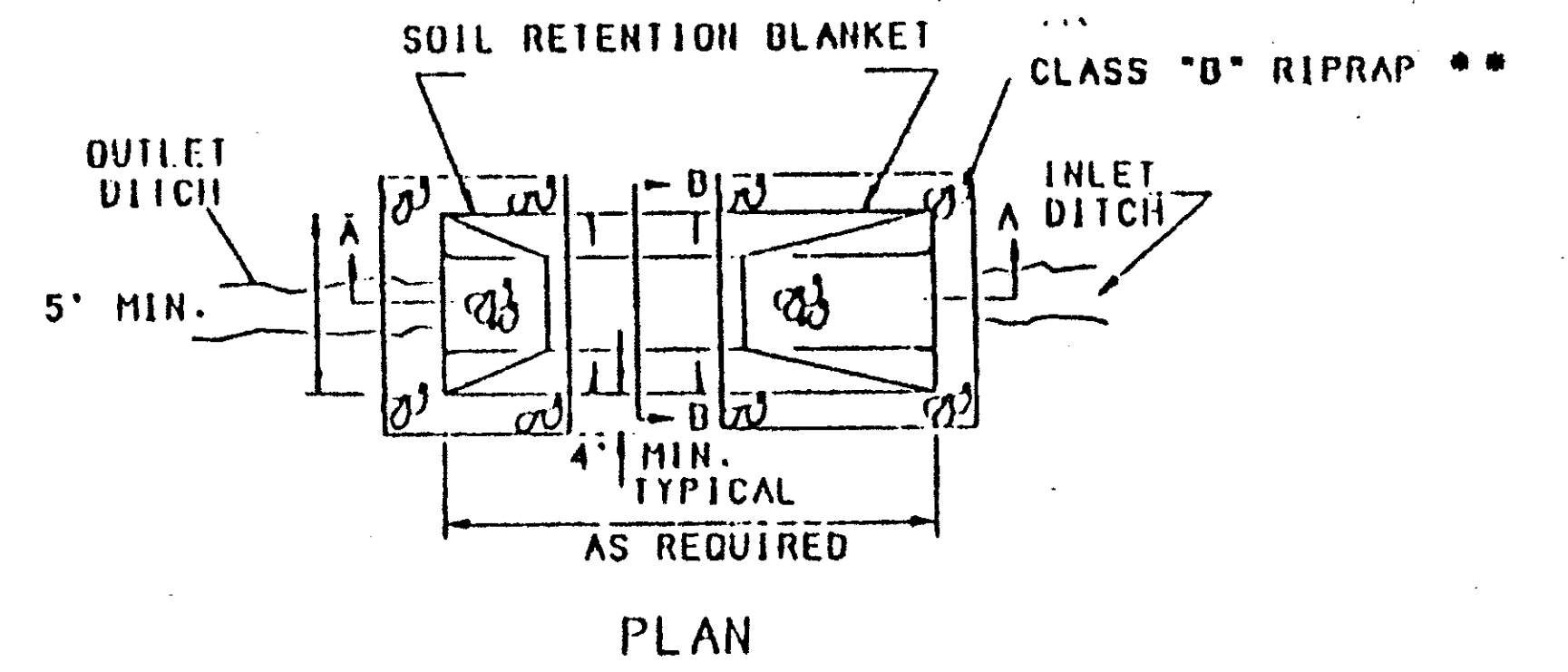


SECTION B-B

SEDIMENT TRAP - EARTH BERM

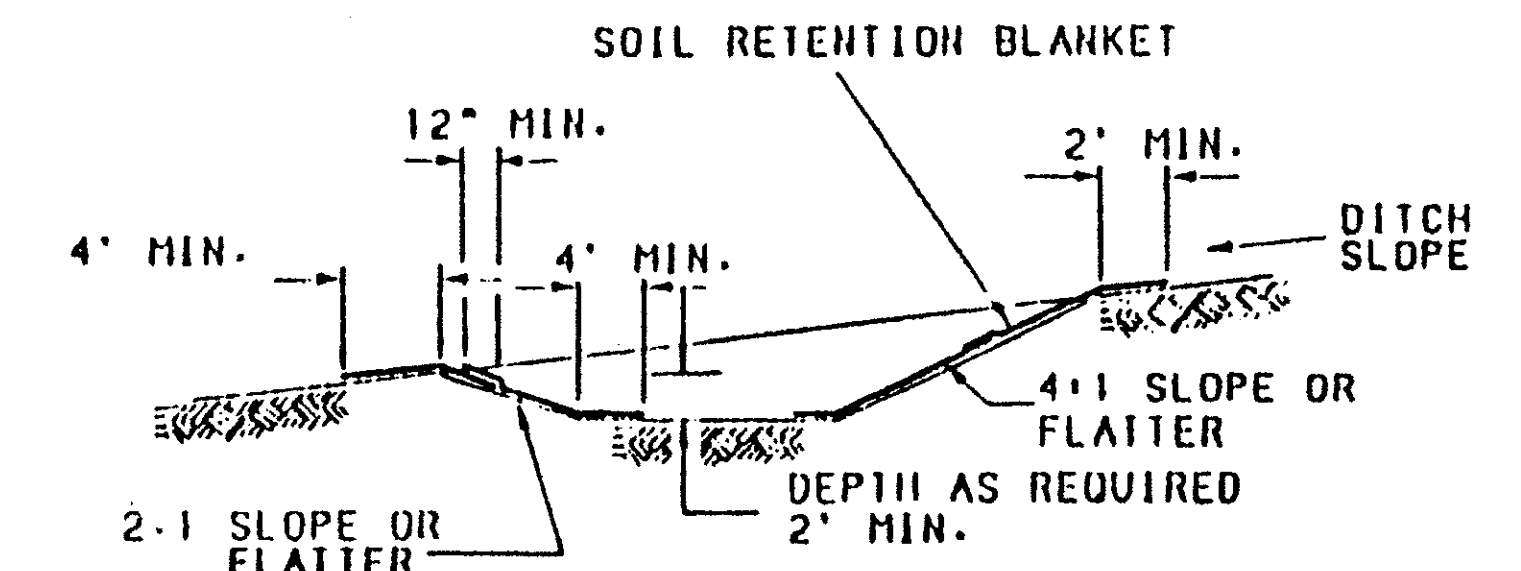
NOTES: SEDIMENT TRAP

1. TEMPORARY SEDIMENT TRAPS MAY BE CONSTRUCTED BY EXCAVATION ALONE OR BY EXCAVATION IN COMBINATION WITH AN EMBANKMENT.
2. TEMPORARY SEDIMENT TRAPS ARE OFTEN USED IN CONJUNCTION WITH A DIVERSION DIKE OR SWELL.
3. THE DRAINAGE AREA FOR THE SEDIMENT TRAP SHOULD NOT EXCEED 5 DISTURBED ACRES.
4. THE TRAP MUST BE ACCESSIBLE FOR EASE OF REGULAR MAINTENANCE WHICH IS CRITICAL TO ITS FUNCTIONING PROPERLY.
5. SEDIMENT TRAPS ARE TEMPORARY MEASURES AND SHOULD NOT BE PLANNED TO REMAIN IN PLACE LONGER THAN BETWEEN 10 AND 24 MONTHS.
6. THE EMBANKMENT MAY NOT EXCEED 5' IN HEIGHT.
7. THE RECOMMENDED MINIMUM WIDTH AT THE TOP OF THE EMBANKMENT IS BETWEEN 2' AND 5'.

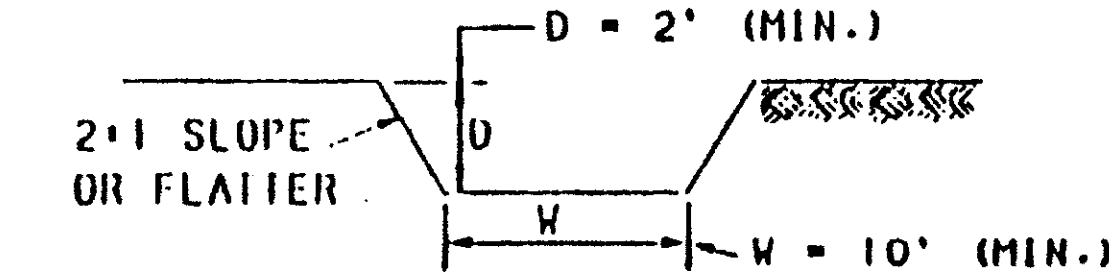


PLAN

\*\* NOTE: CLASS "B" RIPRAP INCIDENTAL TO PLACEMENT ON TEMPORARY SEDIMENT TRAP.



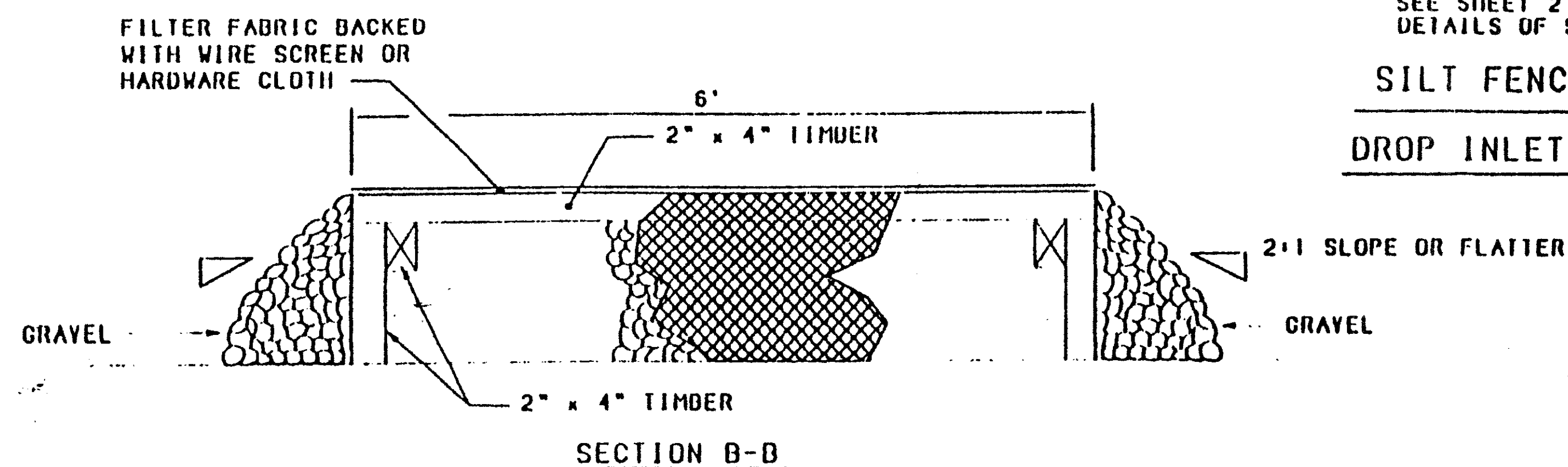
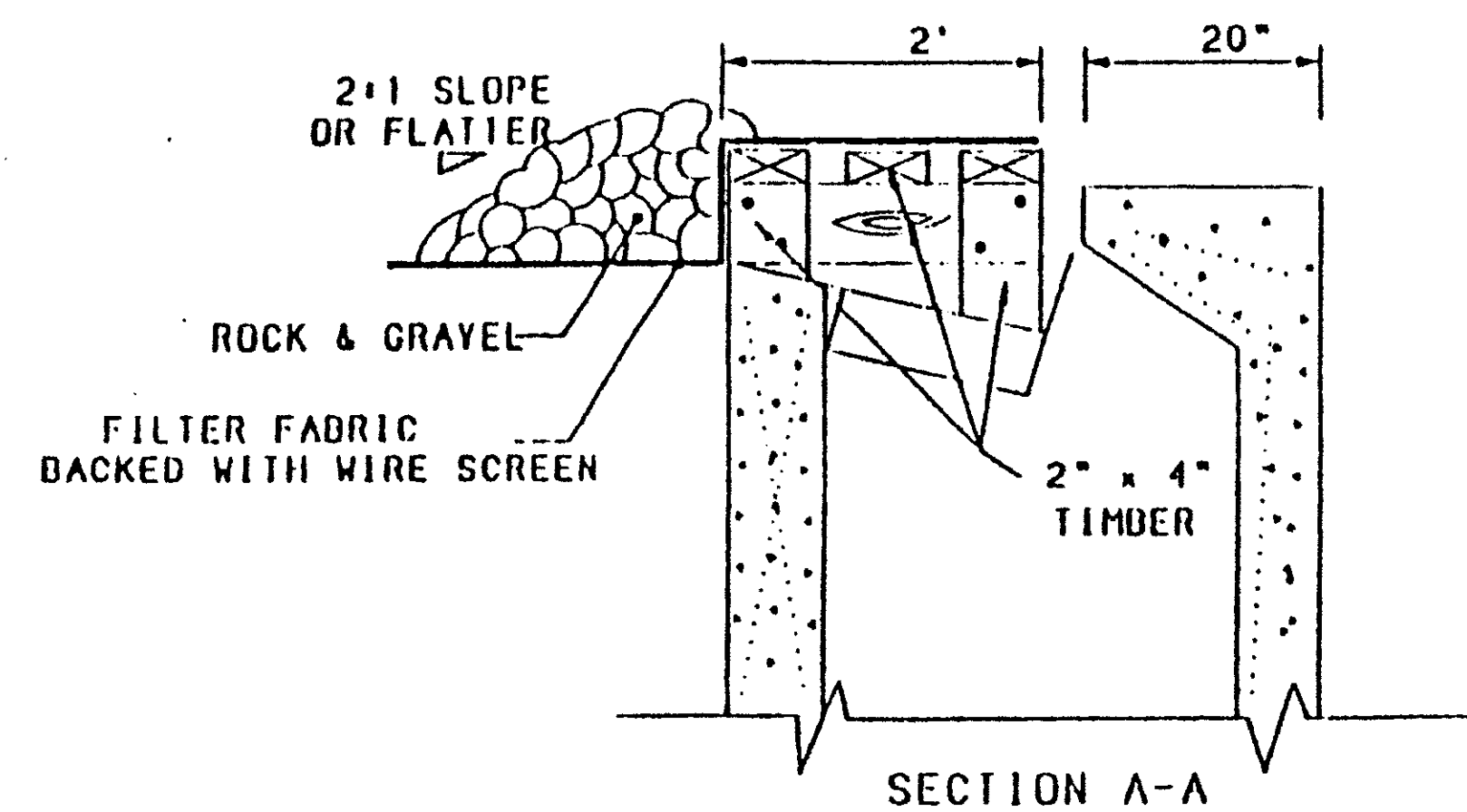
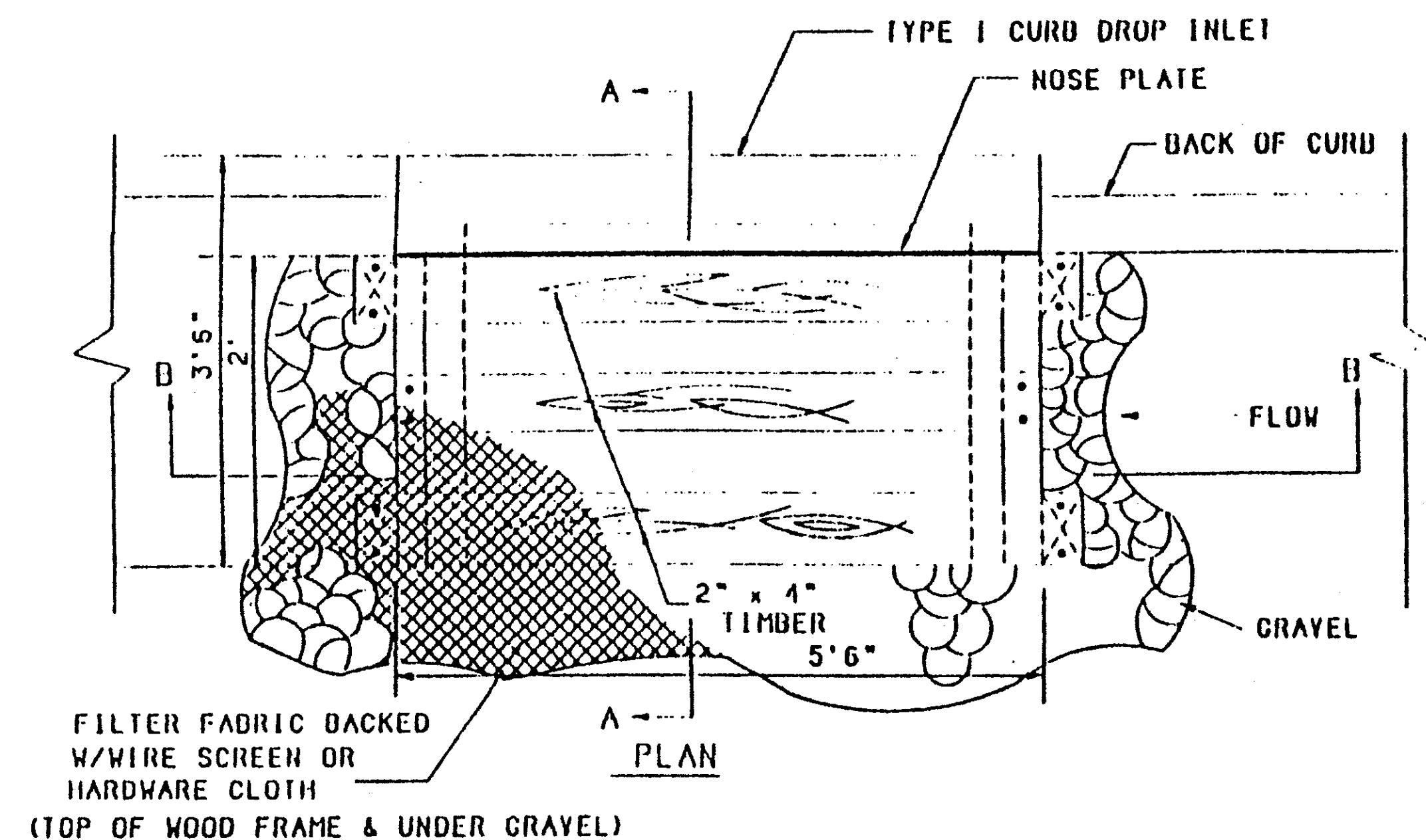
SECTION A-A



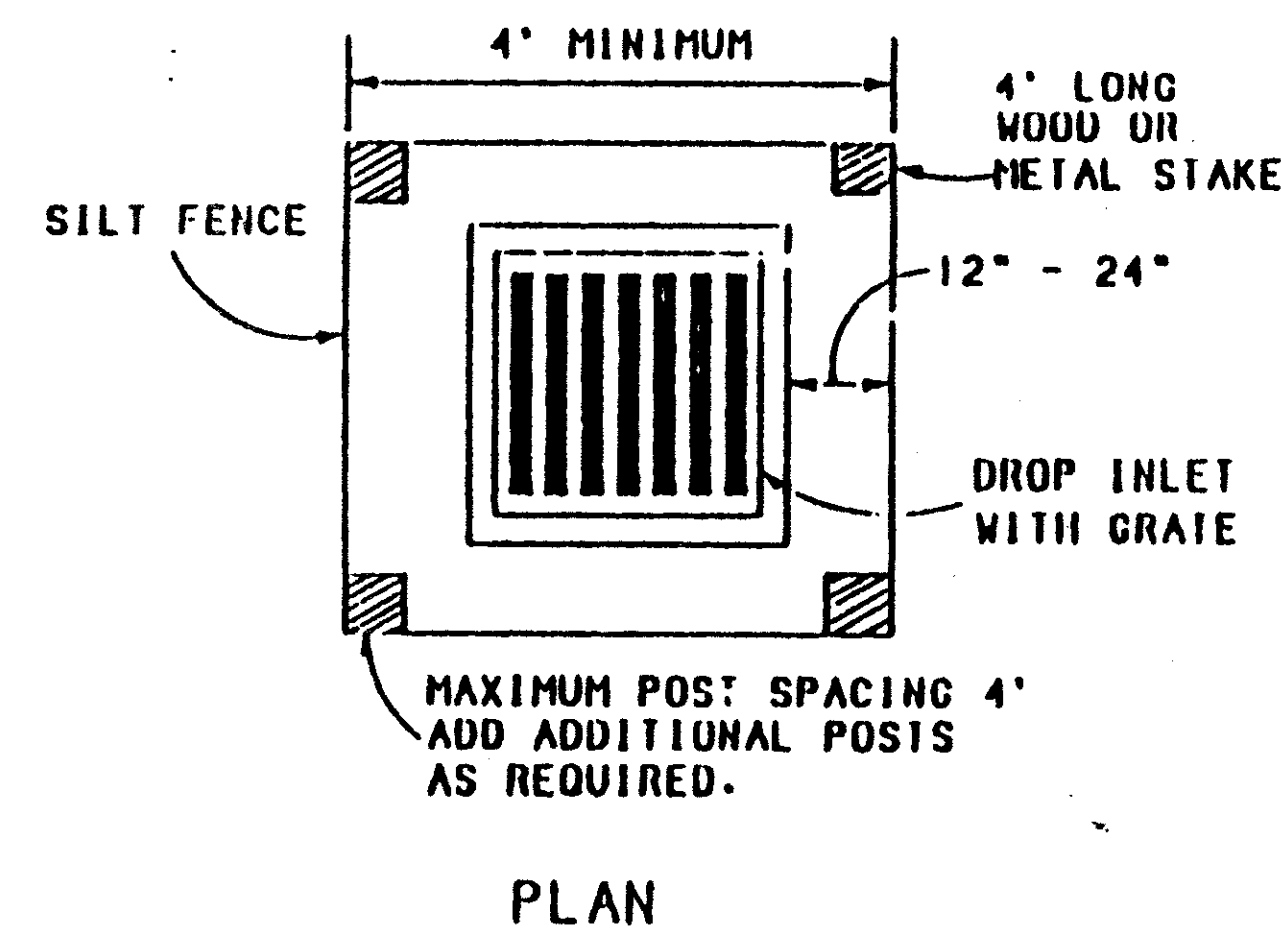
SECTION B-B

SEDIMENT TRAP (EXCAVATED)

|                                                              |                      |      |    |
|--------------------------------------------------------------|----------------------|------|----|
| 3                                                            |                      |      |    |
| 2                                                            |                      |      |    |
| 1                                                            |                      |      |    |
| NO.                                                          | DESCRIPTION          | DATE | BY |
| REVISIONS (OR CHANGE NOTICES)                                |                      |      |    |
| NEW MEXICO STATE<br>HIGHWAY AND TRANSPORTATION<br>DEPARTMENT |                      |      |    |
| T.E.S.C.N.<br>PIPE SLOPE DRAIN &<br>SEDIMENT TRAPS           |                      |      |    |
| LAYOUT BY                                                    | APPROVAL             |      |    |
| DRAWN BY                                                     | RECOMMENDED ENGINEER |      |    |
| CHECKED BY                                                   | APPROVED             |      |    |
| DESIGN BUREAU CHIEF                                          |                      |      |    |
| DRAWING-050 SHEET NO. 10 OF 79                               |                      |      |    |

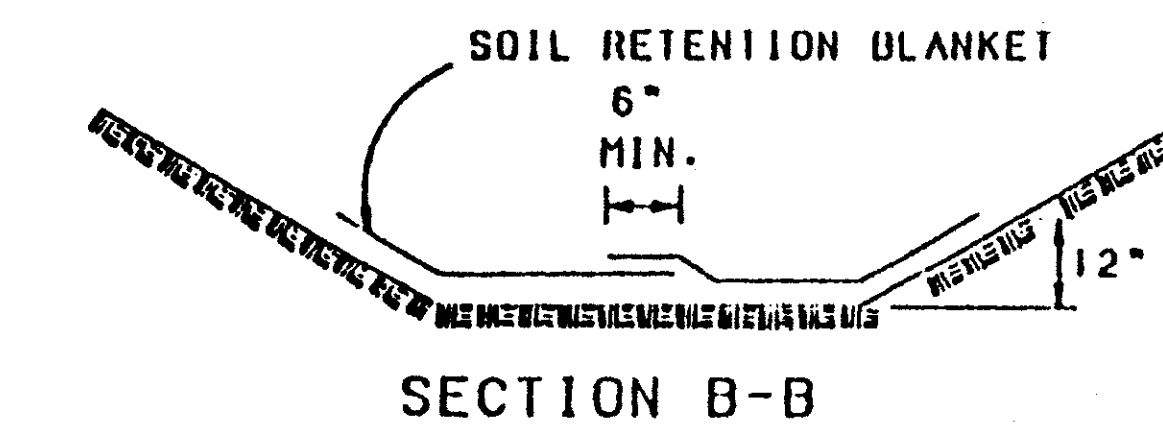
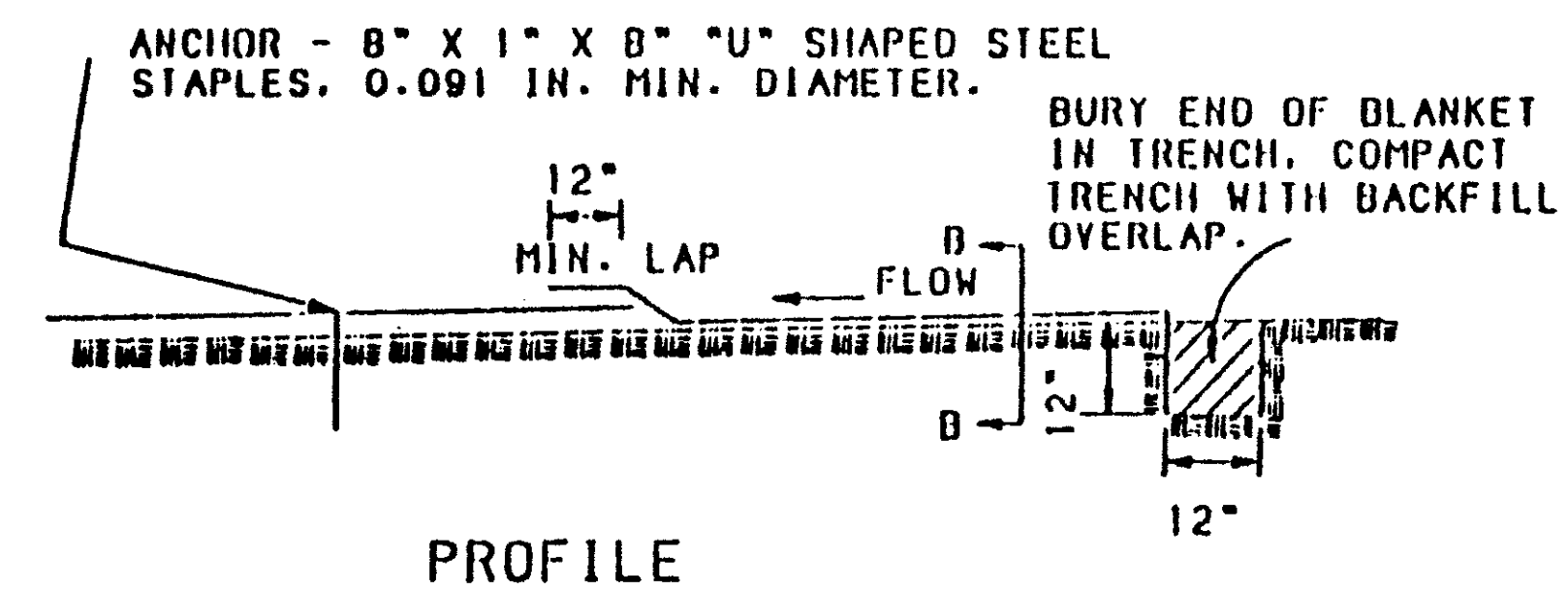
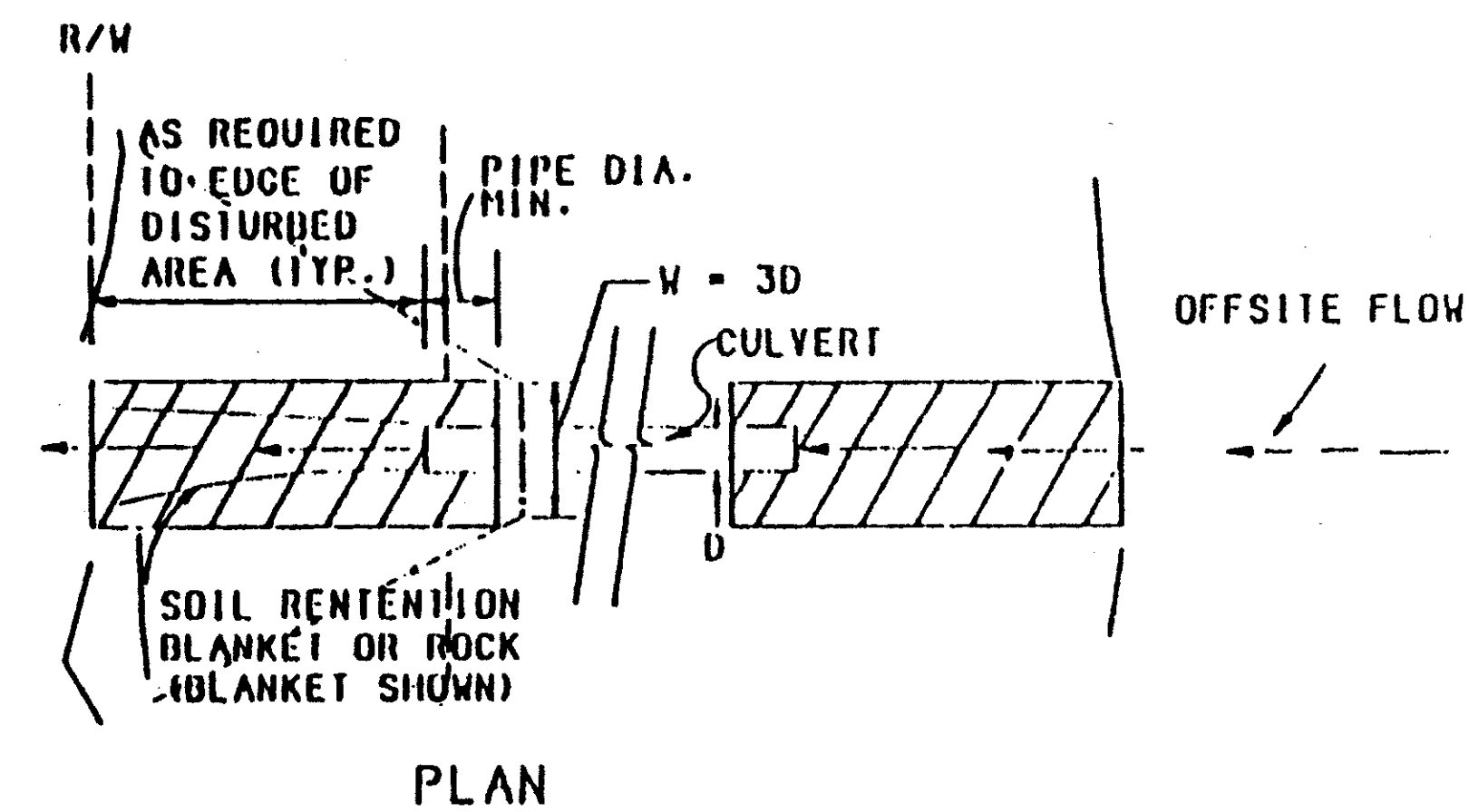


**GRAVEL INLET PROTECTION  
DROP INLET PROTECTION TYPE II**

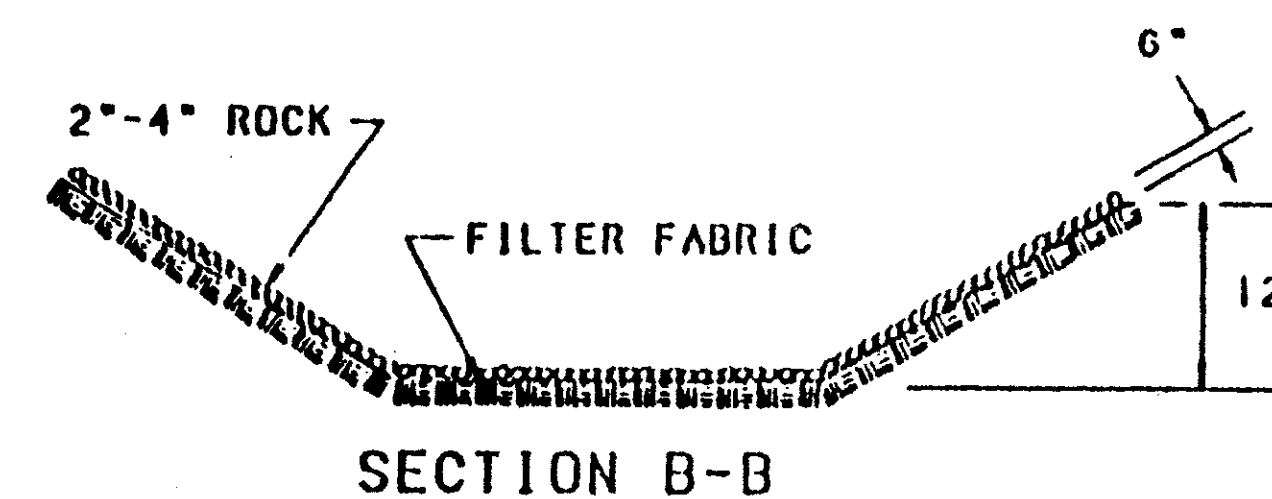


**SILT FENCE INLET PROTECTION  
DROP INLET PROTECTION, TYPE I**

- NOTE: GRAVEL INLET PROTECTION**
1. THIS INSTALLATION IS FOR A TYPE I CURB DROP INLET ONLY. THE TYPE II, III TO "N" INSTALLATION IS SIMILAR.
  2. THE SPACING OF THE LONGITUDINAL BRACING SHALL NOT EXCEED 6 FEET.



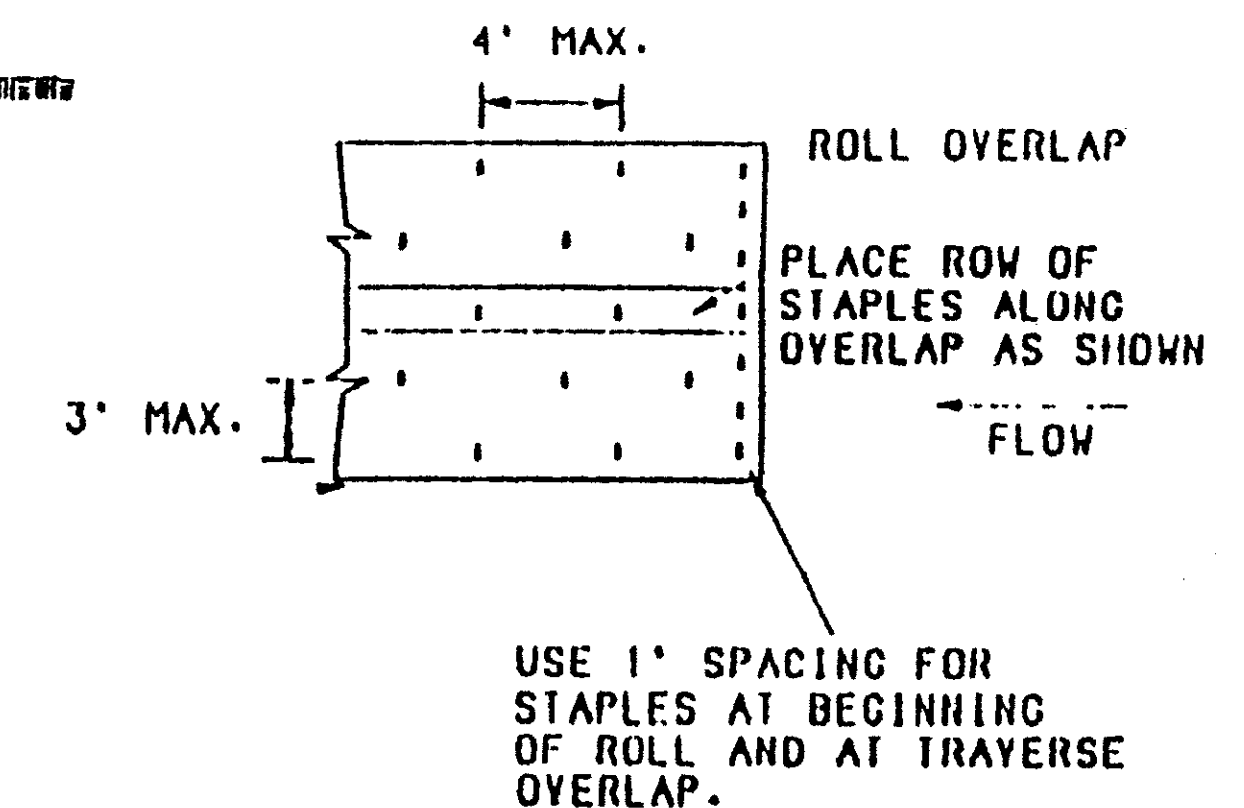
**SOIL RETENTION BLANKET**



**SOIL RETENTION ROCKS**

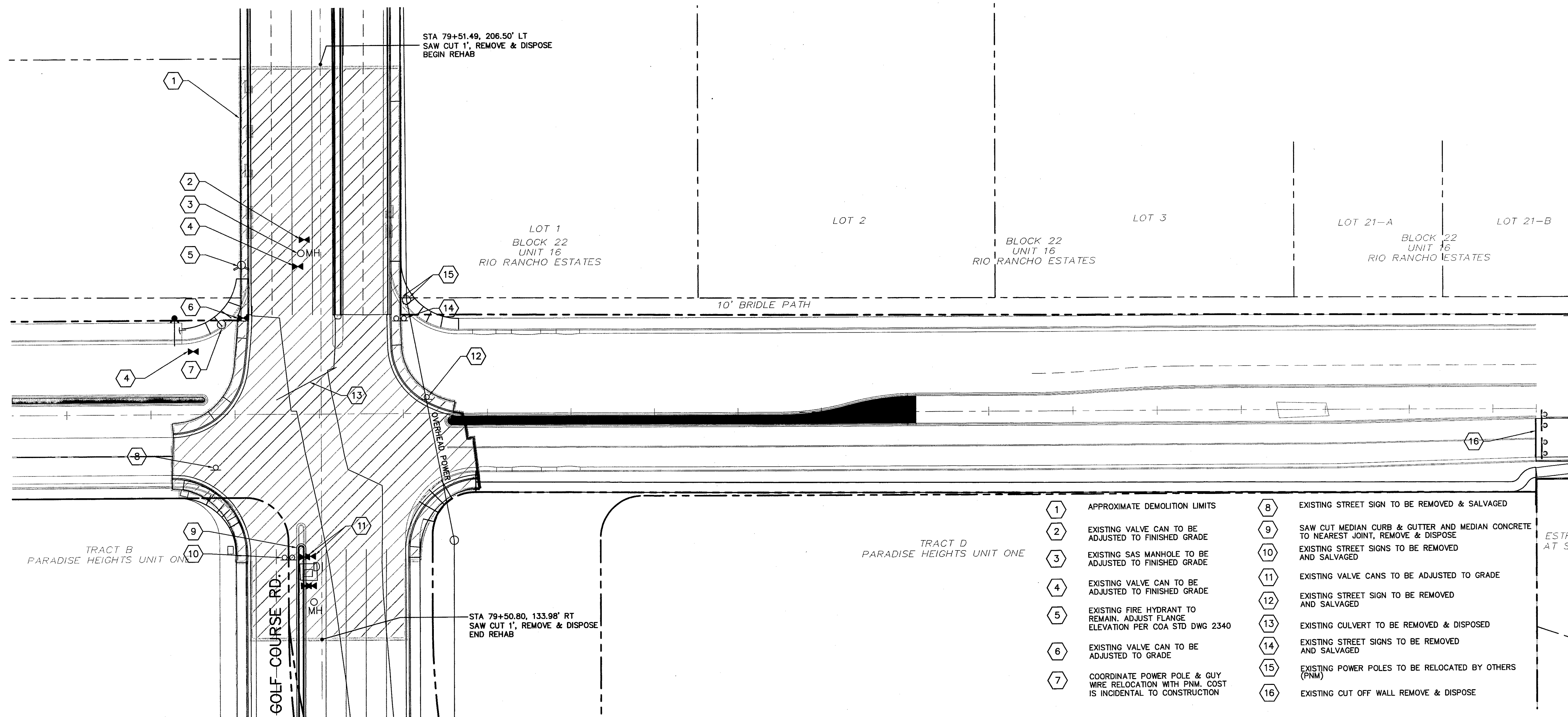
**CULVERT PROTECTION**

- CULVERT PROTECTION NOTES:**
1. WHEN CULVERT PROTECTION IS SPECIFIED, EITHER SOIL RETENTION BLANKETS OR SOIL RETENTION ROCK MAY BE PROVIDED.
  2. THE CULVERT PROTECTION WIDTH REQUIRED SHALL BE IN ACCORDANCE WITH THESE DETAILS UNLESS SPECIFIED OTHERWISE.
  3. THE SOIL RETENTION BLANKET INSTALLATION SHOWN OUTLINES MINIMUM REQUIREMENTS. MANUFACTURER'S RECOMMENDATIONS SHALL BE USED IF THEY ARE MORE STRINGENT.



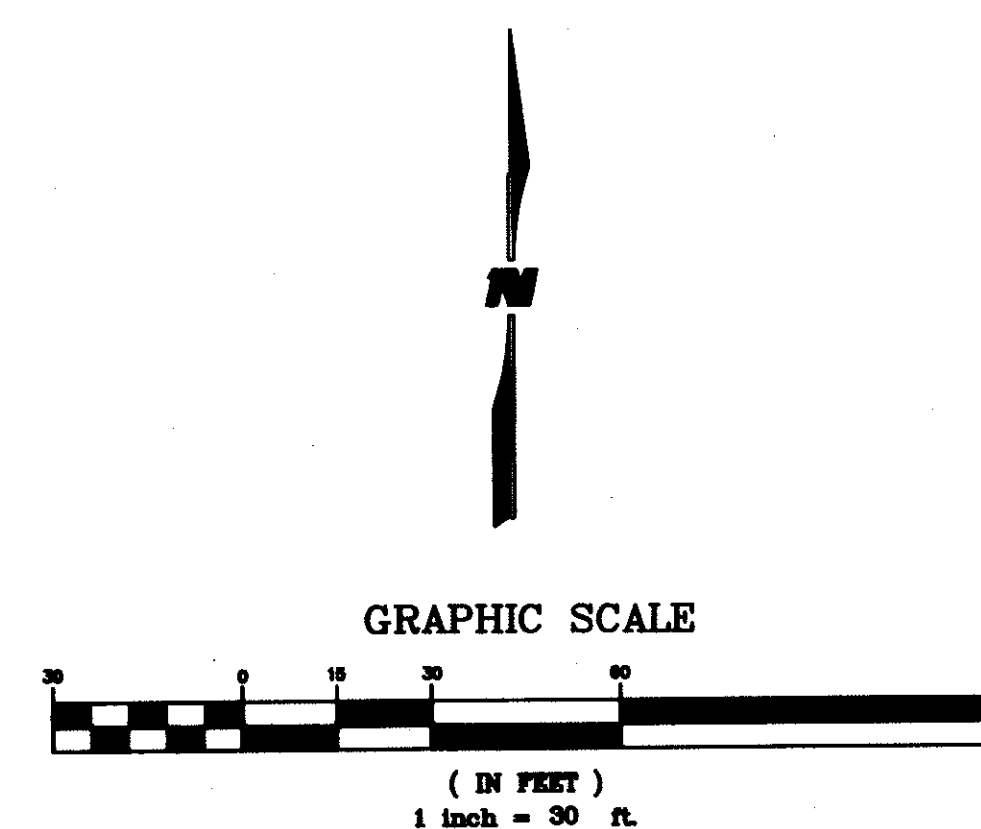
**SOIL RETENTION BLANKET  
STAPLE PATTERN**

|                                                              |                      |                     |    |
|--------------------------------------------------------------|----------------------|---------------------|----|
| 3                                                            |                      |                     |    |
| 2                                                            |                      |                     |    |
| 1                                                            |                      |                     |    |
| NO.                                                          | DESCRIPTION          | DATE                | BY |
| REVISIONS (FOR CHANGE NOTICES)                               |                      |                     |    |
| NEW MEXICO STATE<br>HIGHWAY AND TRANSPORTATION<br>DEPARTMENT |                      |                     |    |
| DROP INLET & CULVERT<br>PROTECTION                           |                      |                     |    |
| LAYOUT BY                                                    | APPROVAL             |                     |    |
| DRAWN BY                                                     | RECOMMENDED ENGINEER |                     |    |
| CHECKED BY                                                   | APPROVED             | DESIGN BUREAU CHIEF |    |
| DRAWING-050 SHEET NO. 11 OF 79                               |                      |                     |    |

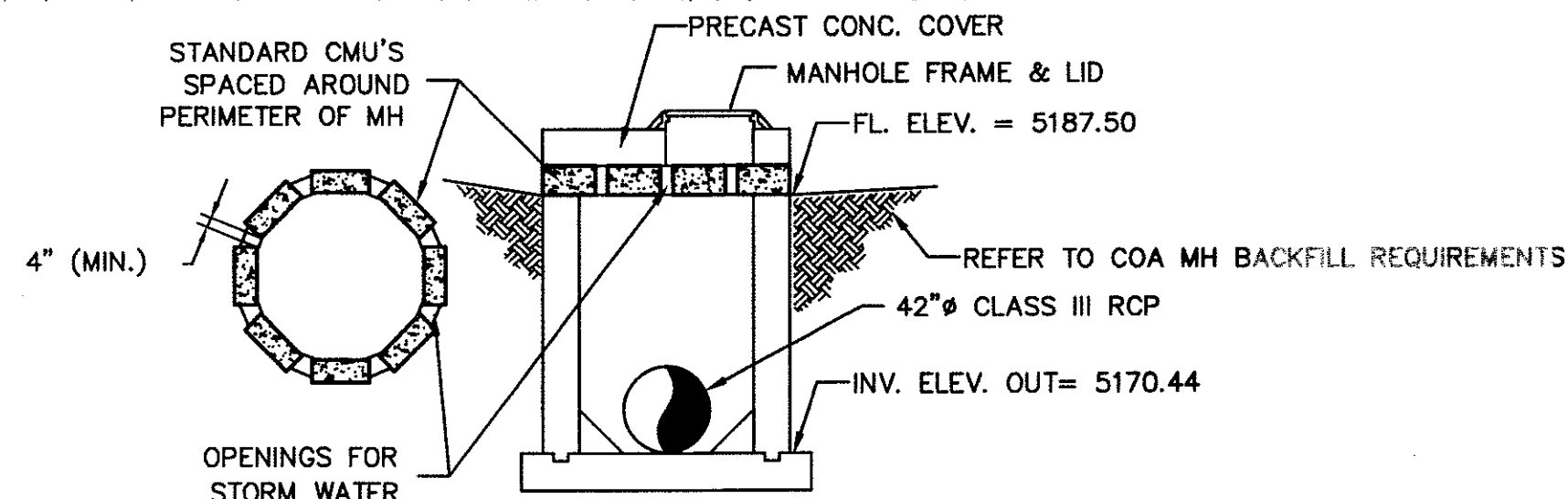
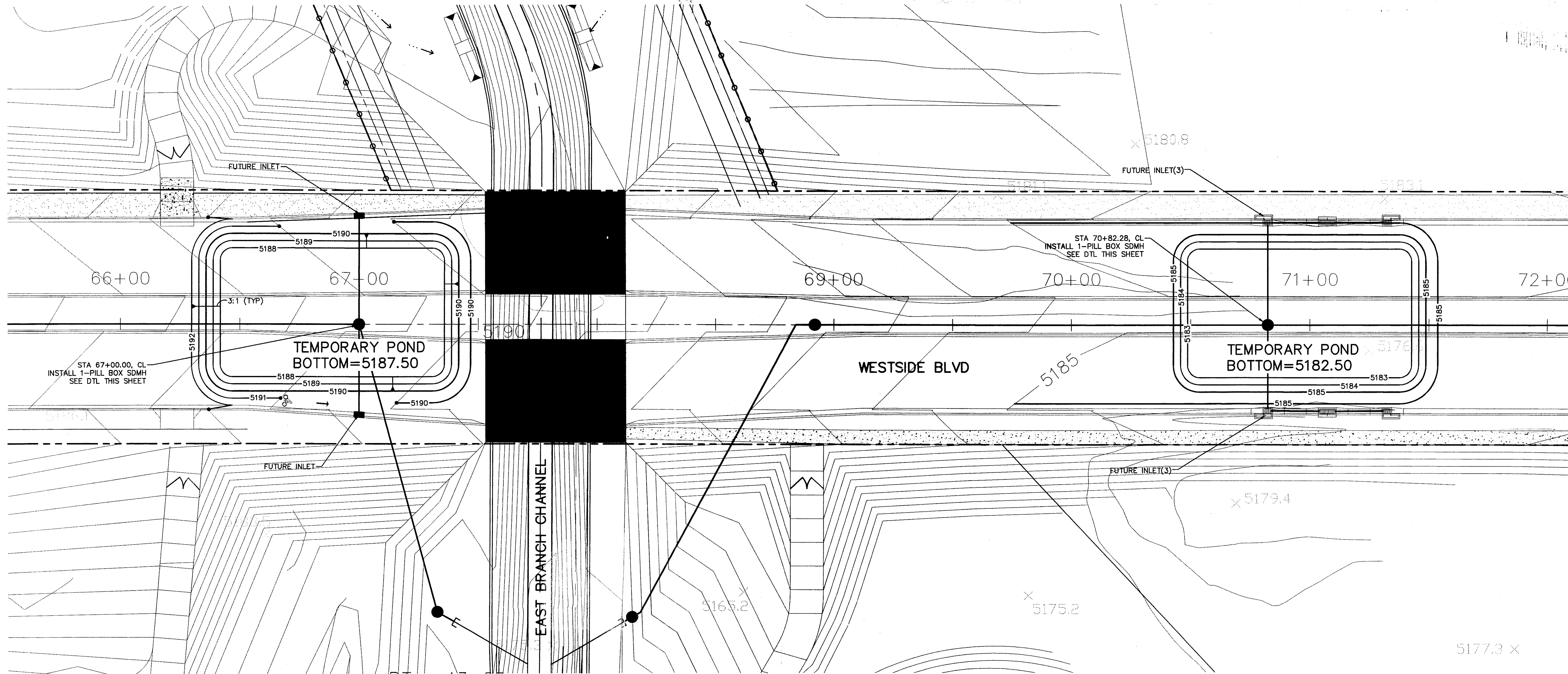


- |   |                                                                                          |    |                                                                                     |
|---|------------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------|
| 1 | APPROXIMATE DEMOLITION LIMITS                                                            | 8  | EXISTING STREET SIGN TO BE REMOVED & SALVAGED                                       |
| 2 | EXISTING VALVE CAN TO BE ADJUSTED TO FINISHED GRADE                                      | 9  | SAW CUT MEDIAN CURB & GUTTER AND MEDIAN CONCRETE TO NEAREST JOINT, REMOVE & DISPOSE |
| 3 | EXISTING SAS MANHOLE TO BE ADJUSTED TO FINISHED GRADE                                    | 10 | EXISTING STREET SIGNS TO BE REMOVED AND SALVAGED                                    |
| 4 | EXISTING VALVE CAN TO BE ADJUSTED TO FINISHED GRADE                                      | 11 | EXISTING VALVE CANS TO BE ADJUSTED TO GRADE                                         |
| 5 | EXISTING FIRE HYDRANT TO REMAIN. ADJUST FLANGE ELEVATION PER COA STD DWG 2340            | 12 | EXISTING STREET SIGN TO BE REMOVED AND SALVAGED                                     |
| 6 | EXISTING VALVE CAN TO BE ADJUSTED TO GRADE                                               | 13 | EXISTING CULVERT TO BE REMOVED & DISPOSED                                           |
| 7 | COORDINATE POWER POLE & GUY WIRE RELOCATION WITH PNM. COST IS INCIDENTAL TO CONSTRUCTION | 14 | EXISTING STREET SIGNS TO BE REMOVED AND SALVAGED                                    |
|   |                                                                                          | 15 | EXISTING POWER POLES TO BE RELOCATED BY OTHERS (PNM)                                |
|   |                                                                                          | 16 | EXISTING CUT OFF WALL REMOVE & DISPOSE                                              |

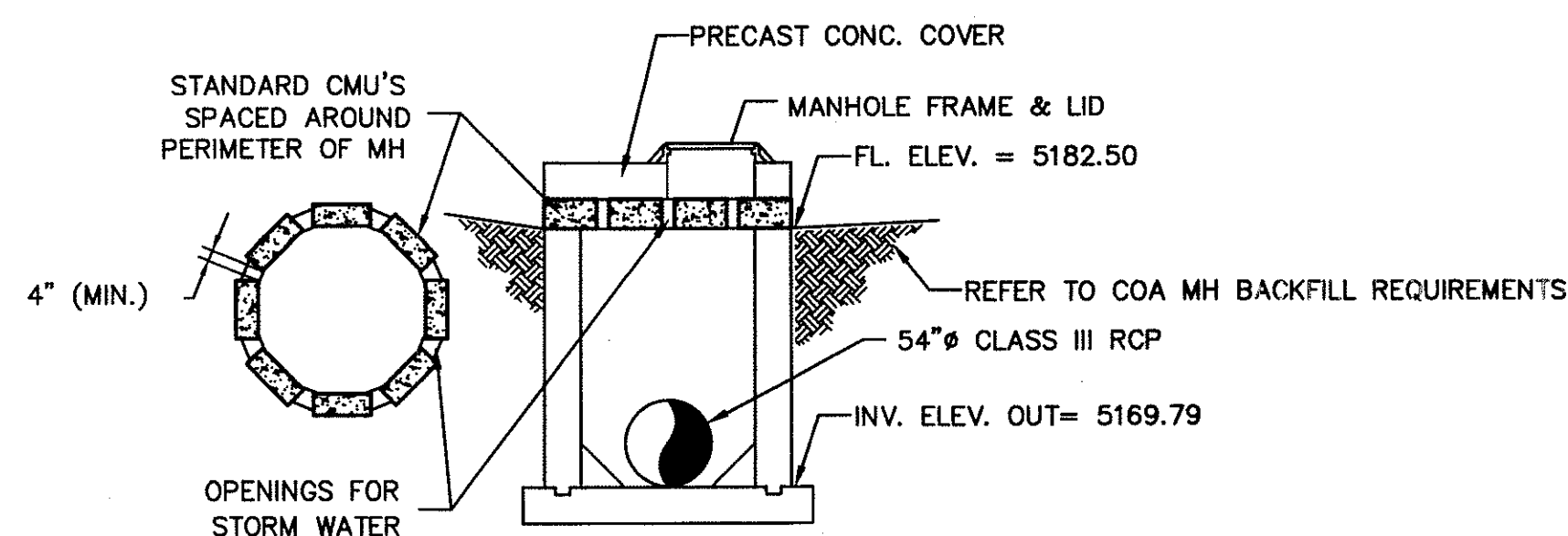
WESTSIDE BOULEVARD



|                                                                                                                                             |                                                        |                                                                     |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------|----------------------|
| <b>WILSON &amp; COMPANY</b><br>2600 THE AMERICAN ROAD SE<br>SUITE 100<br>RIO RANCHO, NEW MEXICO 87124<br>(505) 898-8021<br>www.wilsonco.com |                                                        | CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP |                      |
| <b>WESTSIDE BOULEVARD S.E.<br/>           DEMOLITION PLAN</b>                                                                               |                                                        | <b>STA 59+74.25 TO STA 86+75.99</b>                                 |                      |
| Design Review Committee<br>MAR 12 2007<br>REVIEW COMMITTEE                                                                                  | City Engineer Approval<br>MAR 12 2007<br>CITY ENGINEER | Mo./Day/Yr.<br>_____                                                | Mo./Day/Yr.<br>_____ |
| City Project No.<br><b>7718.81</b>                                                                                                          | Zone Map No.<br><b>A-12 &amp; A-13</b>                 | Sheet<br><b>12</b>                                                  | Of<br><b>79</b>      |



**PILL BOX MANHOLE(WEST)**  
NTS



**PILL BOX MANHOLE(EAST)**  
NTS

**LEGAL DESCRIPTION**

TOWN OF ALAMEDA GRANT IN  
PROJECTED SECTION 36, TOWNSHIP 12  
NORTH, RANGE 2 EAST, NEW MEXICO  
PRINCIPAL MERIDIAN, CITY OF RIO  
RANCHO, SANDOVAL COUNTY, NEW  
MEXICO, FILED IN THE OFFICE OF THE  
COUNTY CLERK OF SANDOVAL  
COUNTY, NEW MEXICO, ON MAY 26,  
1964 IN RIO RANCHO ESTATES PLAT  
BOOK NUMBER 1, PAGE 13A.

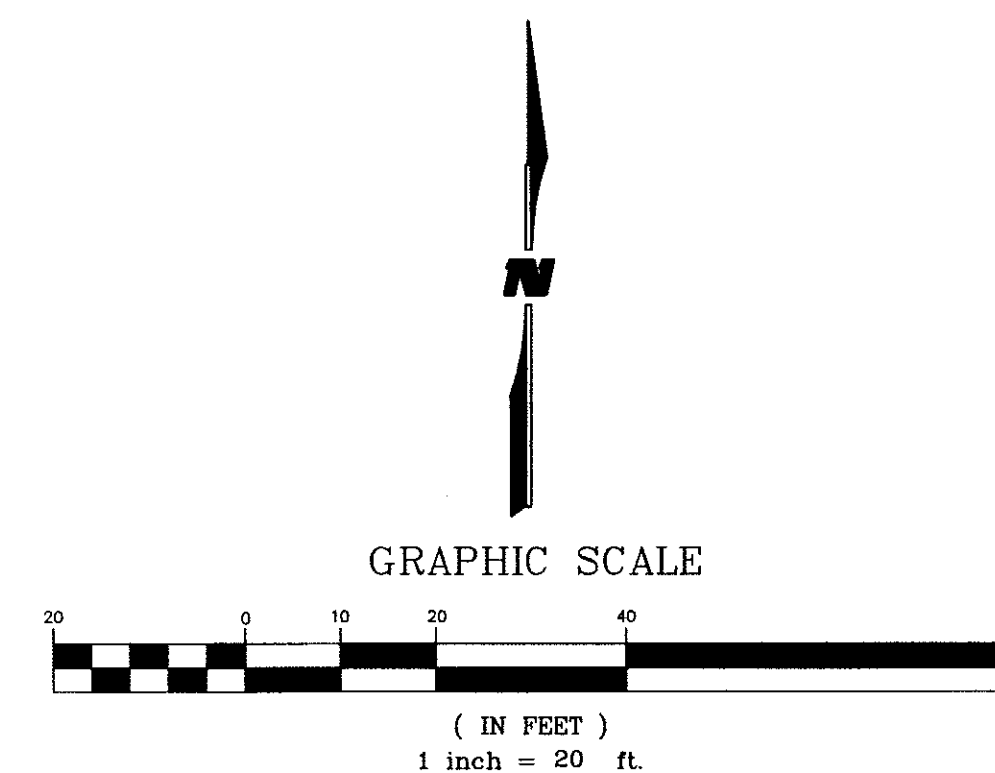
**BENCH MARK**

ALBUQUERQUE CONTROL SURVEY MONUMENT "BLACK2"  
NEW MEXICO STATE PLANE COORDINATES, CENTRAL  
ZONE (NAD 27) PUBLISHED:  
Y = 1,530,241.52  
X = 372,920.43  
ELEVATION = 5213.926 (SLD 1929)  
GROUND TO GRID FACTOR = 0.9996692  
DELTA ALPHA = -0014'43"

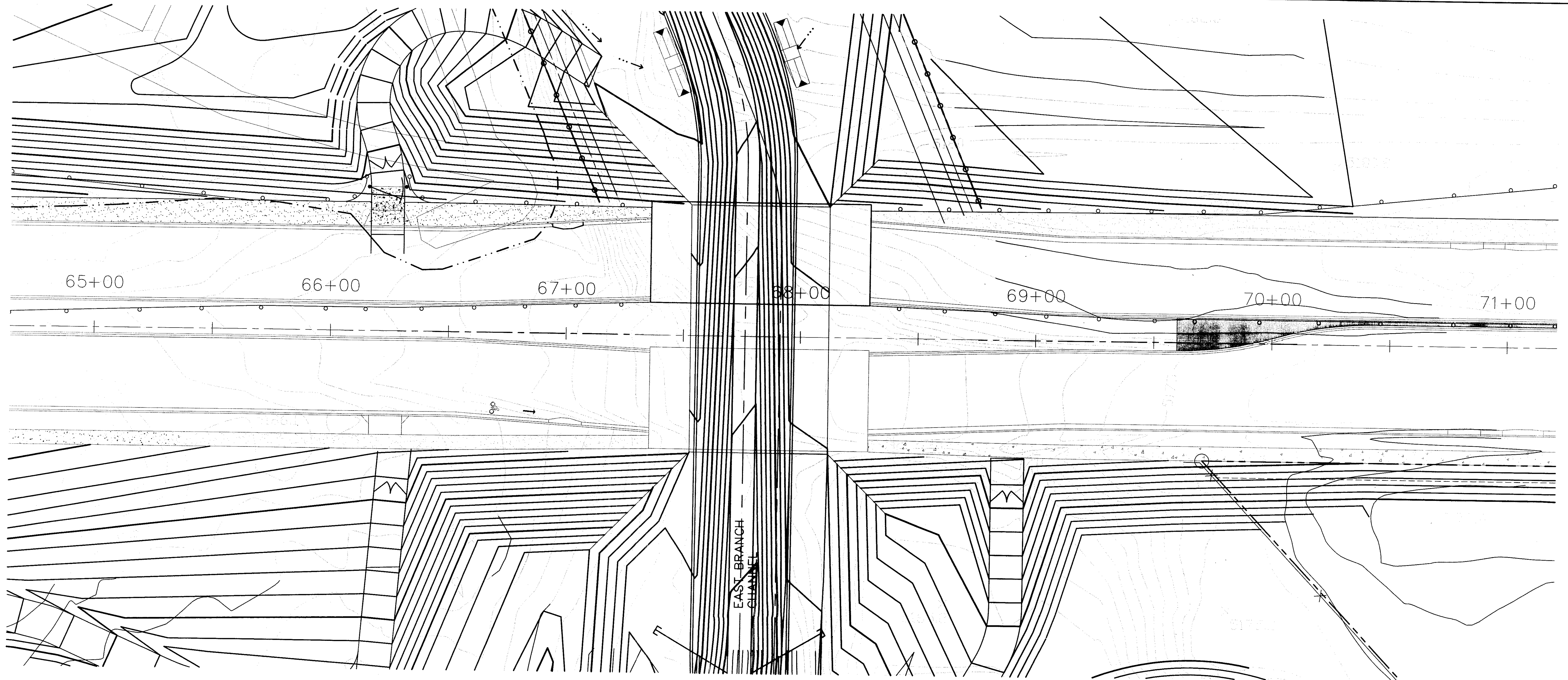
**LEGEND**

- 5070 — EXISTING INDEX CONTOUR
- — — — — EXISTING INTERMEDIATE CONTOUR
- + 5359.15 EXISTING SPOT ELEVATION
- FG FINISHED GRADE ELEVATION
- 5070 — PROPOSED INTERMEDIATE CONTOUR
- 5070 — PROPOSED INDEX CONTOUR
- - - - - LIMITS OF CONSTRUCTION
- → → → → EARTH GRADED SWALE
- 90° ROTATED CMU BLOCK

WCEA #X421801201  
SEPT 2006



|                                                                                                                                                |                            |                                                                                                                                                                                                   |                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>WILSON &amp; COMPANY</b><br>2600 THE AMERICAN ROAD SE<br>SUITE 100<br>RIO RANCHO, NEW MEXICO<br>87124<br>(505) 898-8021<br>www.wilsonco.com |                            | CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP<br><b>WESTSIDE BOULEVARD S.E.</b><br><b>TEMPORARY GRADING &amp; DRAINAGE PLAN</b><br><b>EAST BRANCH CHANNEL/WESTSIDE BLVD</b> |                                    |
| Design Review Committee<br>                                                                                                                    | City Engineer Approval<br> | Last Design Update<br>                                                                                                                                                                            | City Project No.<br><b>7718.81</b> |
| Zone Map No.<br><b>A-12 &amp; A-13</b>                                                                                                         |                            | Sheet<br><b>13</b>                                                                                                                                                                                | Of<br><b>71</b>                    |



NOTE:  
FINAL GRADING & DRAINAGE PLAN SHALL  
BE COMPLETED WITH FINAL ROADWAY CONSTRUCTION.

#### LEGAL DESCRIPTION

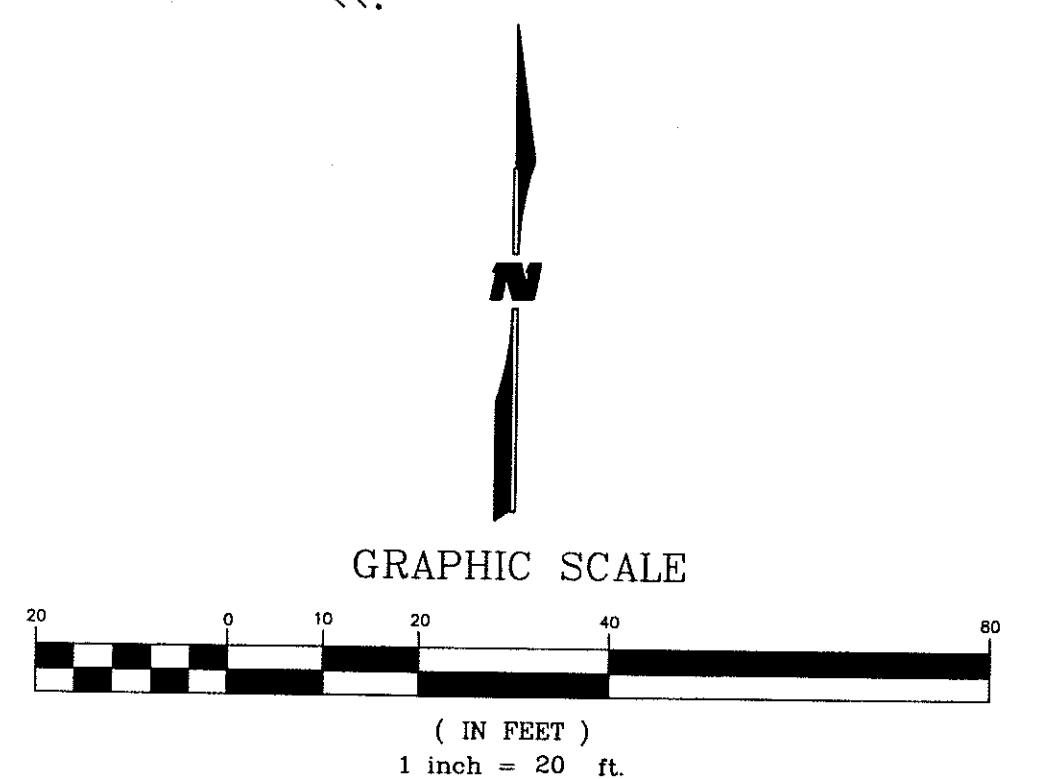
TOWN OF ALAMEDA GRANT IN  
PROJECTED SECTION 36, TOWNSHIP 12  
NORTH, RANGE 2 EAST, NEW MEXICO  
PRINCIPAL MERIDIAN, CITY OF RIO  
RANCHO, SANDOVAL COUNTY, NEW  
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BOOK NUMBER 1, PAGE 13A.

#### BENCH MARK

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X = 372,920.43  
ELEVATION = 5213.926 (SLD 1929)  
GROUND TO GRID FACTOR = 0.9996692  
DELTA ALPHA = -00°14'43"

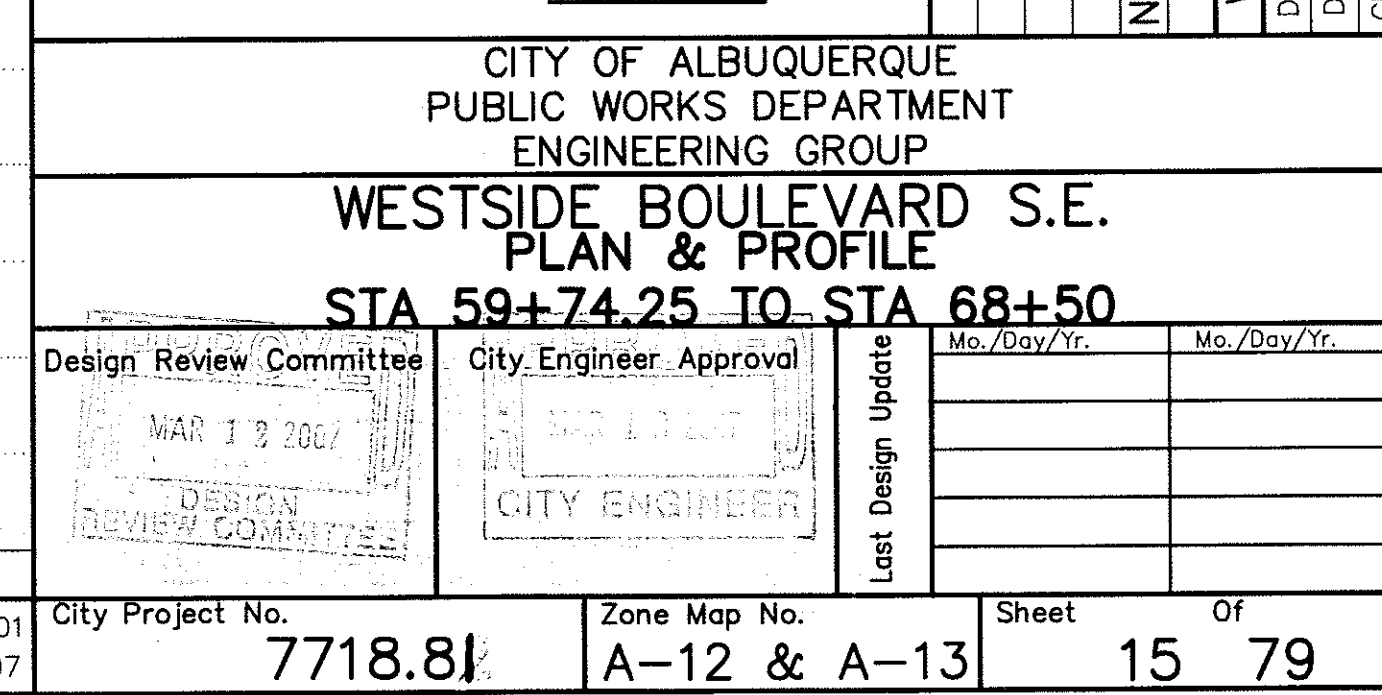
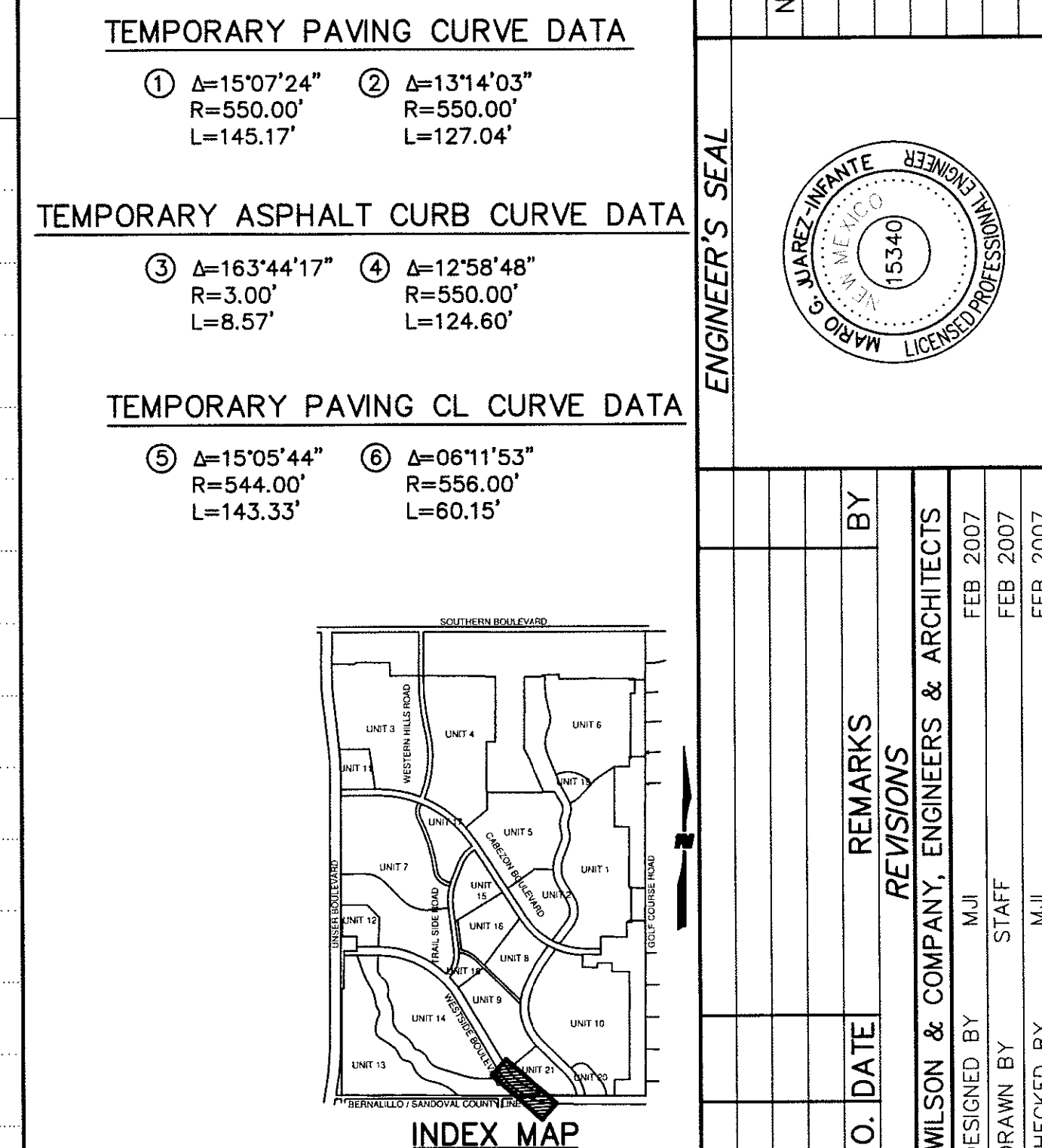
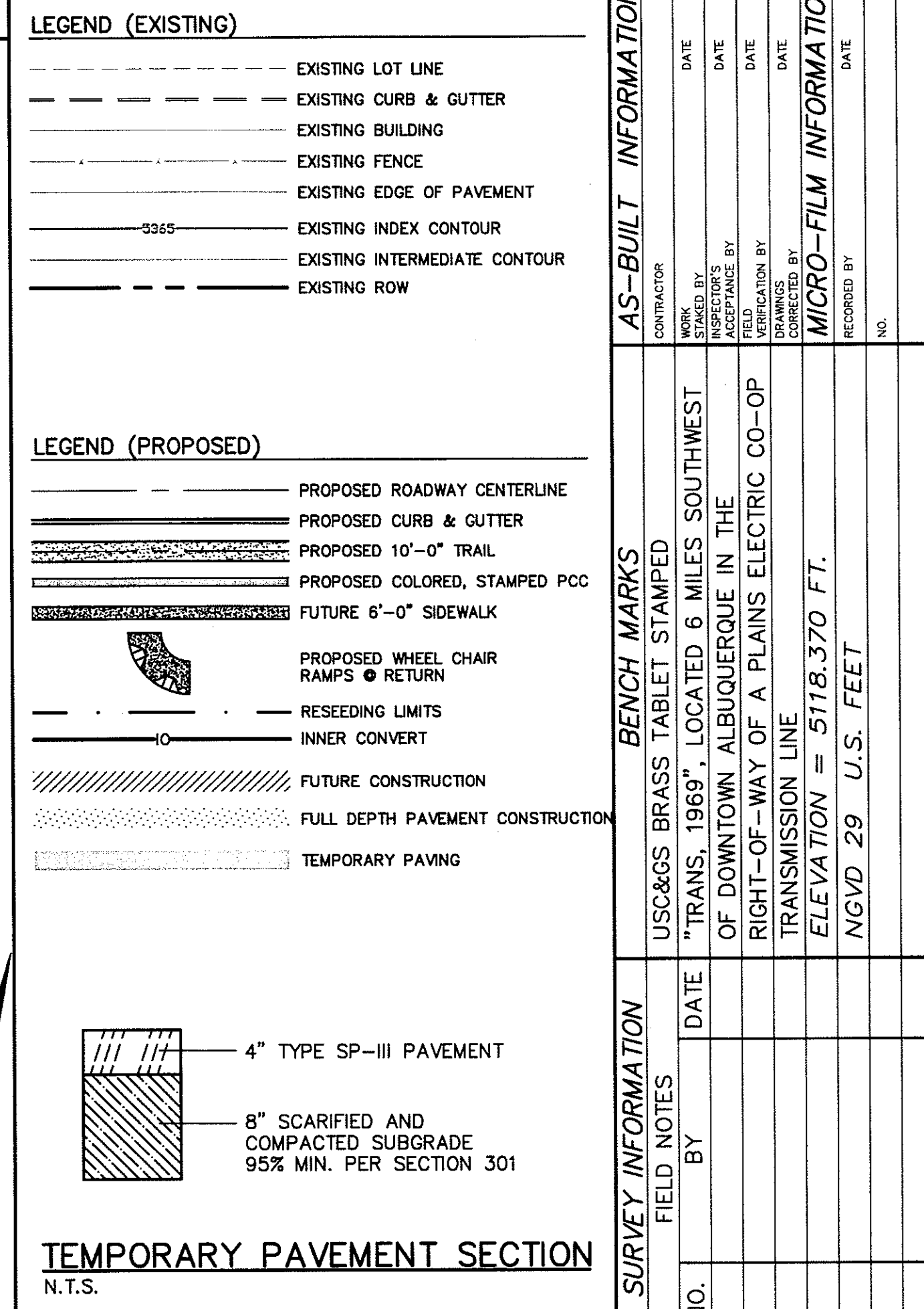
#### LEGEND

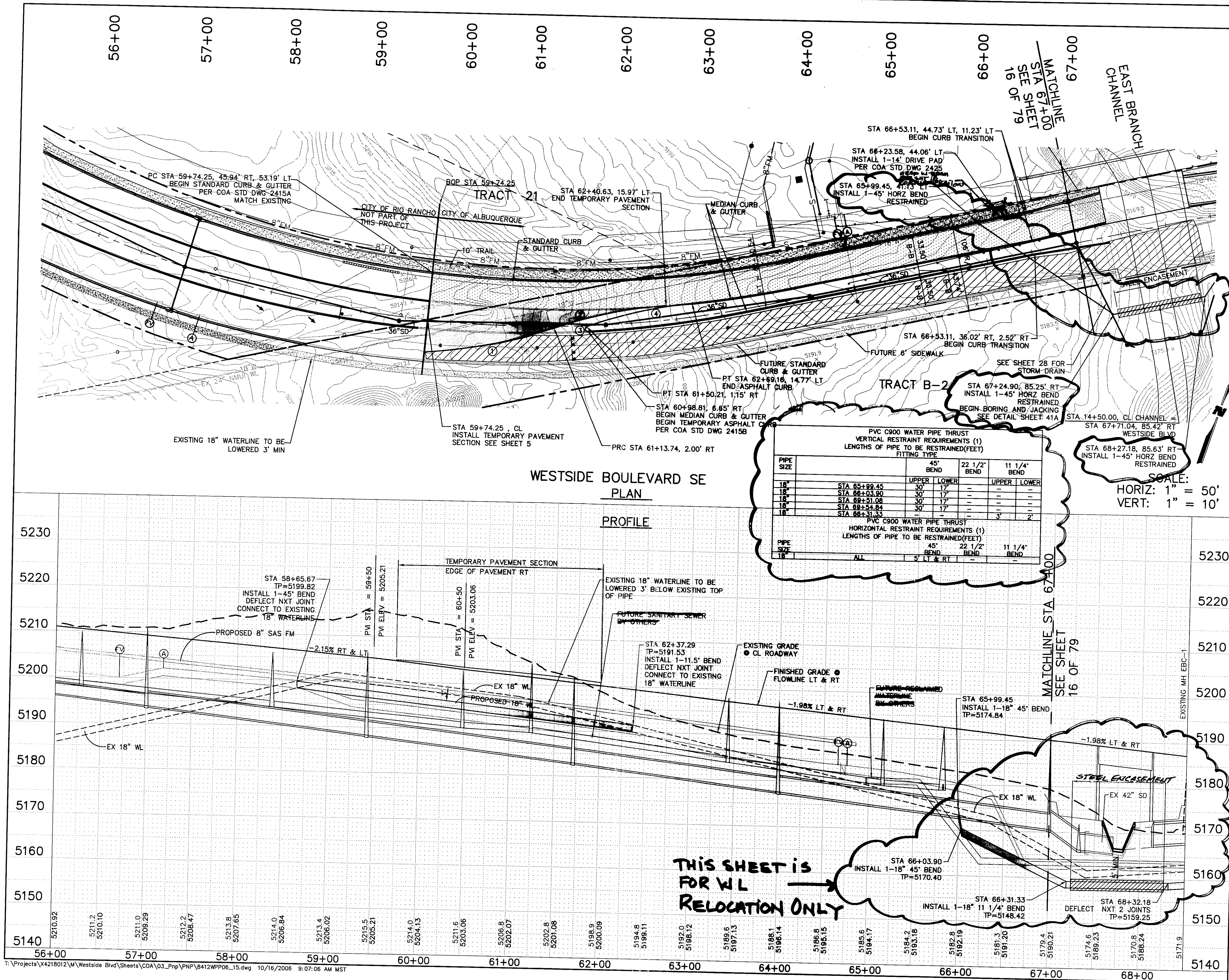
- 5070 — EXISTING INDEX CONTOUR
- — — — — EXISTING INTERMEDIATE CONTOUR
- + 5359.15 EXISTING SPOT ELEVATION
- FG FINISHED GRADE ELEVATION
- 5070 — PROPOSED INTERMEDIATE CONTOUR
- 5070 — PROPOSED INDEX CONTOUR
- - - - - LIMITS OF CONSTRUCTION
- → → → → EARTH GRADED SWALE
- 90° ROTATED CMU BLOCK



|                                                                                                                                             |                                                        |                                                                                                                                                                             |                              |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>WILSON &amp; COMPANY</b><br>2600 THE AMERICAN ROAD SE<br>SUITE 100<br>RIO RANCHO, NEW MEXICO 87124<br>(505) 898-8021<br>www.wilsonco.com |                                                        | CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP<br><b>WESTSIDE BOULEVARD S.E.</b><br>FINAL GRADING & DRAINAGE PLAN<br>EAST BRANCH CHANNEL/WESTSIDE BLVD |                              |
| Design Review Committee<br>MAR 12 2007<br>DESIGN REVIEW COMMITTEE                                                                           | City Engineer Approval<br>MAR 12 2007<br>CITY ENGINEER | Last Design Update<br>Mo./Day/Yr.<br>_____                                                                                                                                  | Mo./Day/Yr.<br>_____         |
| City Project No. <b>7718.81</b>                                                                                                             |                                                        | Zone Map No. <b>A-12 &amp; A-13</b>                                                                                                                                         | Sheet <b>14</b> Of <b>79</b> |

WCEA #X421801201  
MAR 2007





- LEGEND (EXISTING)**
- EXISTING LOT LINE
  - EXISTING CURB & GUTTER
  - EXISTING BUILDING
  - EXISTING FENCE
  - EXISTING EDGE OF PAVEMENT
  - EXISTING INDEX CONTOUR
  - EXISTING INTERMEDIATE CONTOUR
  - EXISTING TRAFFIC SIGNAL MASTARM

- LEGEND (PROPOSED)**
- PROPOSED ROADWAY CENTERLINE
  - PROPOSED CURB & GUTTER
  - PROPOSED ROW
  - PROPOSED CABEZON BOUNDARY
  - PROPOSED 10'-0" TRAIL
  - PROPOSED 6'-0" SIDEWALK
  - PROPOSED WHEEL CHAIR RAMP
  - RESEEDING LIMITS
  - INNER CONVERT
  - FUTURE CONSTRUCTION
  - FULL DEPTH PAVEMENT CONSTRUCTION

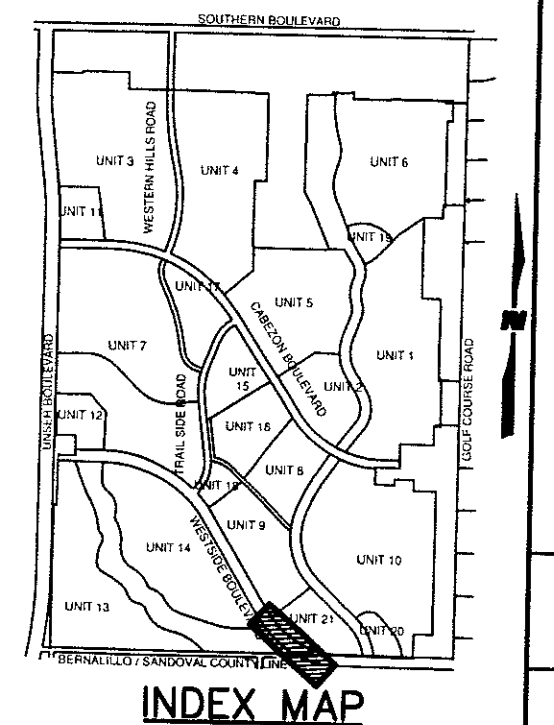
- 4" TYPE SP-III PAVEMENT
- 12" SCARIFIED AND COMPACTED SUBGRADE 95% MIN. PER SECTION 301

**TEMPORARY PAVEMENT SECTION**  
N.T.S.

- TEMPORARY PAVING CURVE DATA**
- ①  $\Delta=15'11.39"$   
 $R=550.00'$   
 $L=145.85'$
  - ②  $\Delta=13'14.03"$   
 $R=550.00'$   
 $L=127.04'$

**TEMPORARY ASPHALT CURB CURVE DATA**

- ③  $\Delta=164'17.46"$   
 $R=2.50'$   
 $L=7.17'$
- ④  $\Delta=12'41.53"$   
 $R=539.50'$   
 $L=119.57'$



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

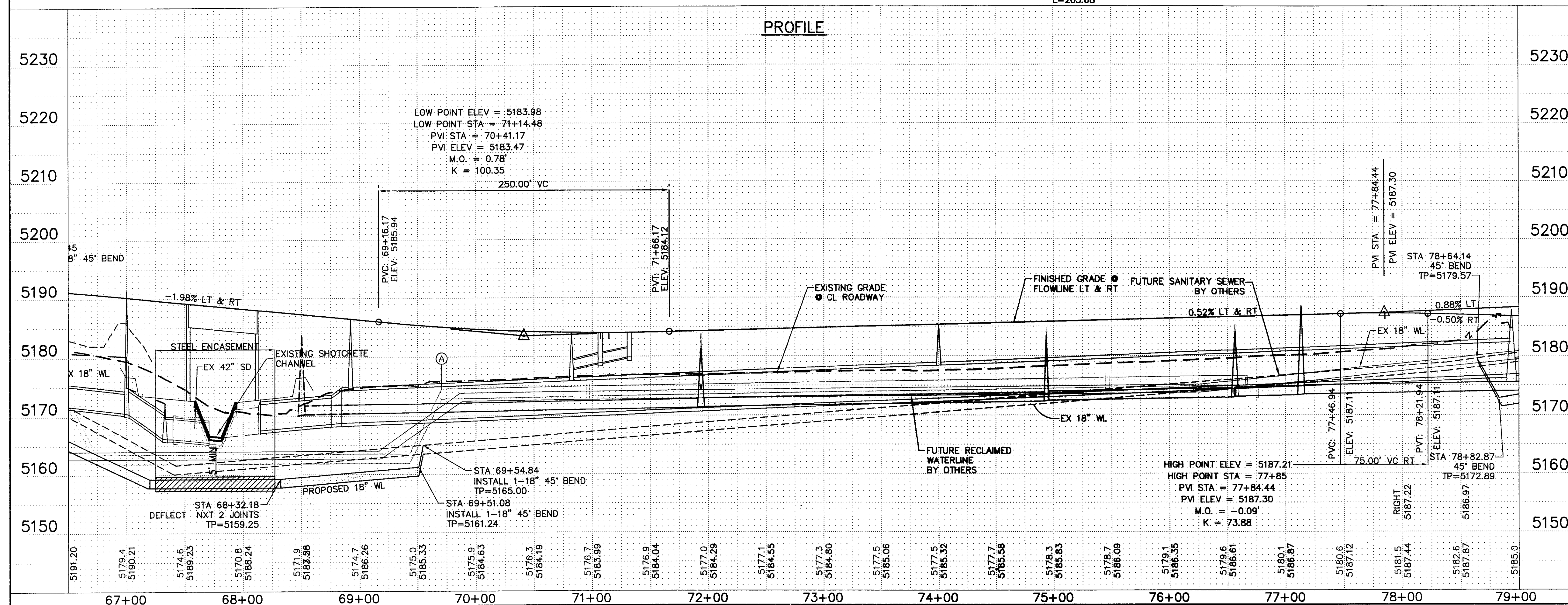
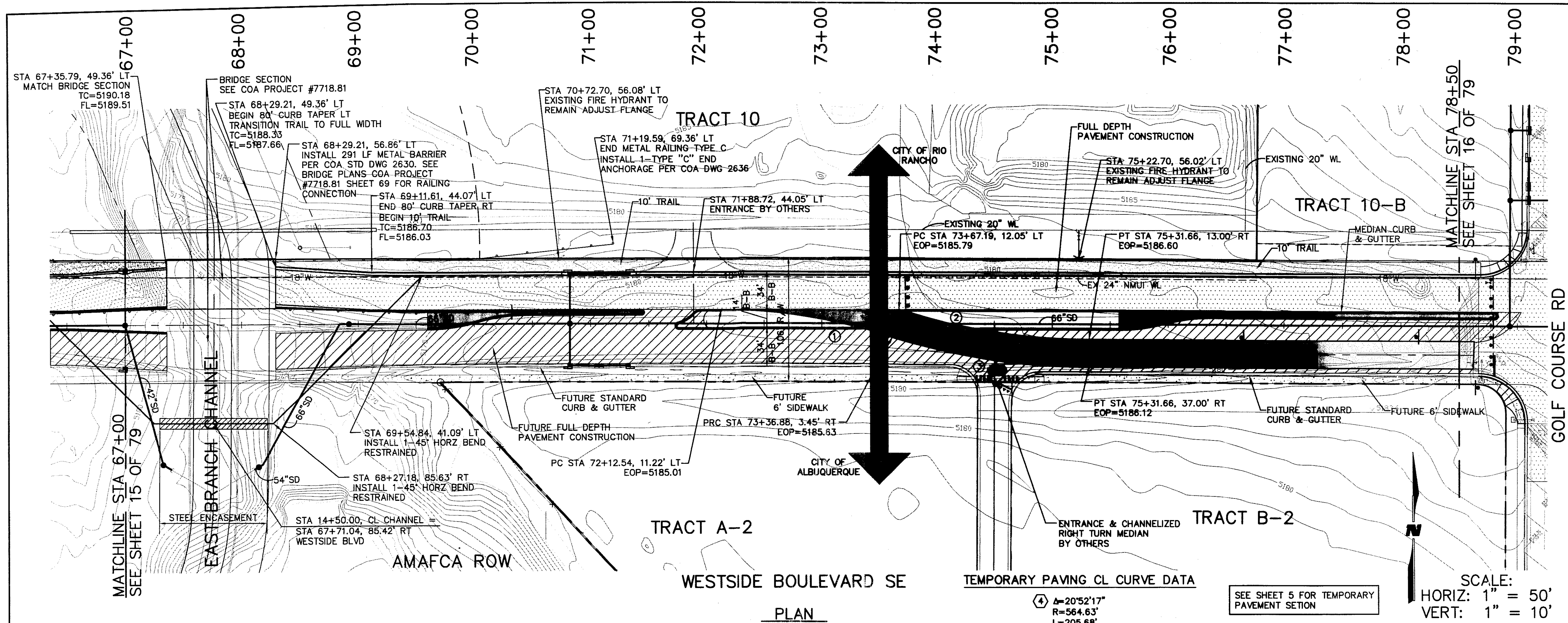
**WESTSIDE BOULEVARD S.E.**  
**PLAN & PROFILE W/L RELOCATION**  
**STA 59+74.25 TO STA 68+15.00**

Design Review Committee: [Signature] City Engineer Approval: [Signature]  
MAR 1 9 2007

City Project No. 7718.81 Zone Map No. A-12 & A-13 Sheet 15A of 79

WILSON & COMPANY

| AS-BUILT INFORMATION   |      | BENCH MARKS                                                                                                                      |      | SURVEY INFORMATION |    | ENGINEER'S SEAL |         |
|------------------------|------|----------------------------------------------------------------------------------------------------------------------------------|------|--------------------|----|-----------------|---------|
| CONTRACTOR             | DATE | USC&GS BRASS TABLET STAMPED                                                                                                      | DATE | FIELD NOTES        | BY | NO.             | REMARKS |
|                        |      | TRANS. 1969", LOCATED 6 MILES SOUTHWEST OF DOWNTOWN ALBUQUERQUE IN THE RIGHT-OF-WAY OF A PLAINS ELECTRIC CO-OP TRANSMISSION LINE |      |                    |    |                 |         |
|                        |      | ELEVATION = 5118.370 FT.                                                                                                         |      |                    |    |                 |         |
|                        |      | NGVD 29 U.S. FEET                                                                                                                |      |                    |    |                 |         |
| MICRO-FILM INFORMATION |      | REVISIONS                                                                                                                        |      | DESIGNED BY        |    | DRAWN BY        |         |
|                        |      | WILSON & COMPANY, ENGINEERS & ARCHITECTS                                                                                         |      | MJJ                |    | MJJ             |         |
|                        |      | CHECKED BY                                                                                                                       |      | FEB 2007           |    | FEB 2007        |         |



**LEGEND (EXISTING)**

- EXISTING LOT LINE
- EXISTING CURB & GUTTER
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING EDGE OF PAVEMENT
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING ROW

**LEGEND (PROPOSED)**

- PROPOSED ROADWAY CENTERLINE
- PROPOSED CURB & GUTTER
- PROPOSED 10'-0" TRAIL
- PROPOSED COLORED, STAMPED PCC
- FUTURE 6'-0" SIDEWALK
- PROPOSED WHEEL CHAIR RAMPS • RETURN
- RESEEDING LIMITS
- INNER CONVEY
- FUTURE CONSTRUCTION
- FULL DEPTH PAVEMENT CONSTRUCTION
- TEMPORARY PAVING

**TEMPORARY PAVING CURVE DATA**

①  $\Delta=16^{\circ}29'04''$   
 $R=526.01'$   
 $L=151.34'$

②  $\Delta=17^{\circ}12'59''$   
 $R=552.66'$   
 $L=166.06'$

③  $\Delta=17^{\circ}09'38''$   
 $R=576.63'$   
 $L=172.70'$

**TEMPORARY PAVING CL CURVE DATA**

④  $\Delta=20^{\circ}52'17''$   
 $R=564.63'$   
 $L=205.68'$

**SCALE:**

HORIZ: 1" = 50'

VERT: 1" = 10'

**INDEX MAP**

**CITY OF ALBUQUERQUE**  
**PUBLIC WORKS DEPARTMENT**  
**ENGINEERING GROUP**

**WESTSIDE BOULEVARD S.E.**  
**PLAN & PROFILE**  
**STA 68+50 TO STA 78+50**

**DESIGN REVIEW COMMITTEE**

**CITY ENGINEER APPROVAL**

**LAST DESIGN UPDATE**

**CITY PROJECT NO.**

**ZONE MAP NO.**

**SHEET**

**OF**

**AS-BUILT INFORMATION**

**BENCH MARKS**

**SURVEY INFORMATION**

**ENGINEER'S SEAL**

**REVISIONS**

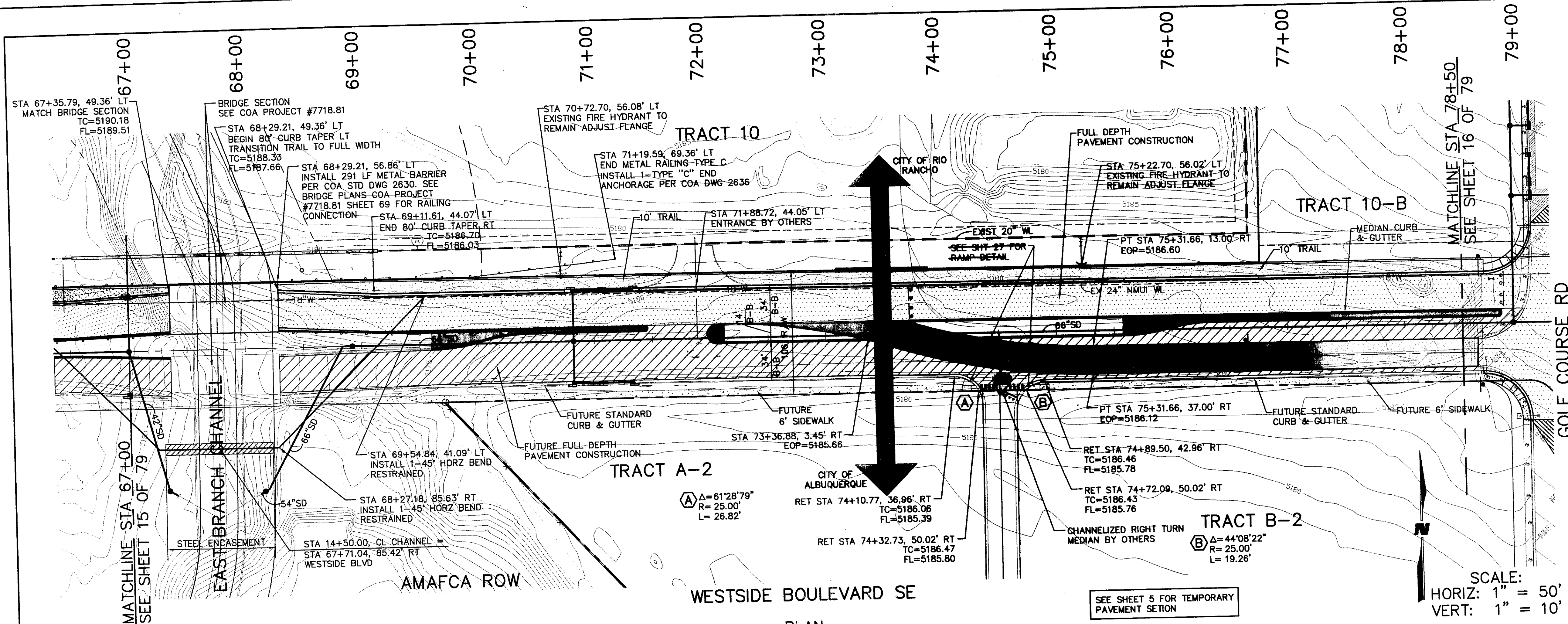
**NO. DATE**

**REMARKS**

**DESIGNED BY**

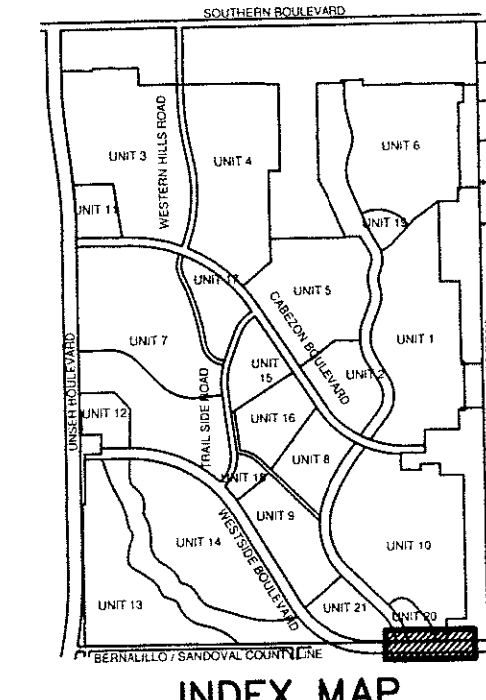
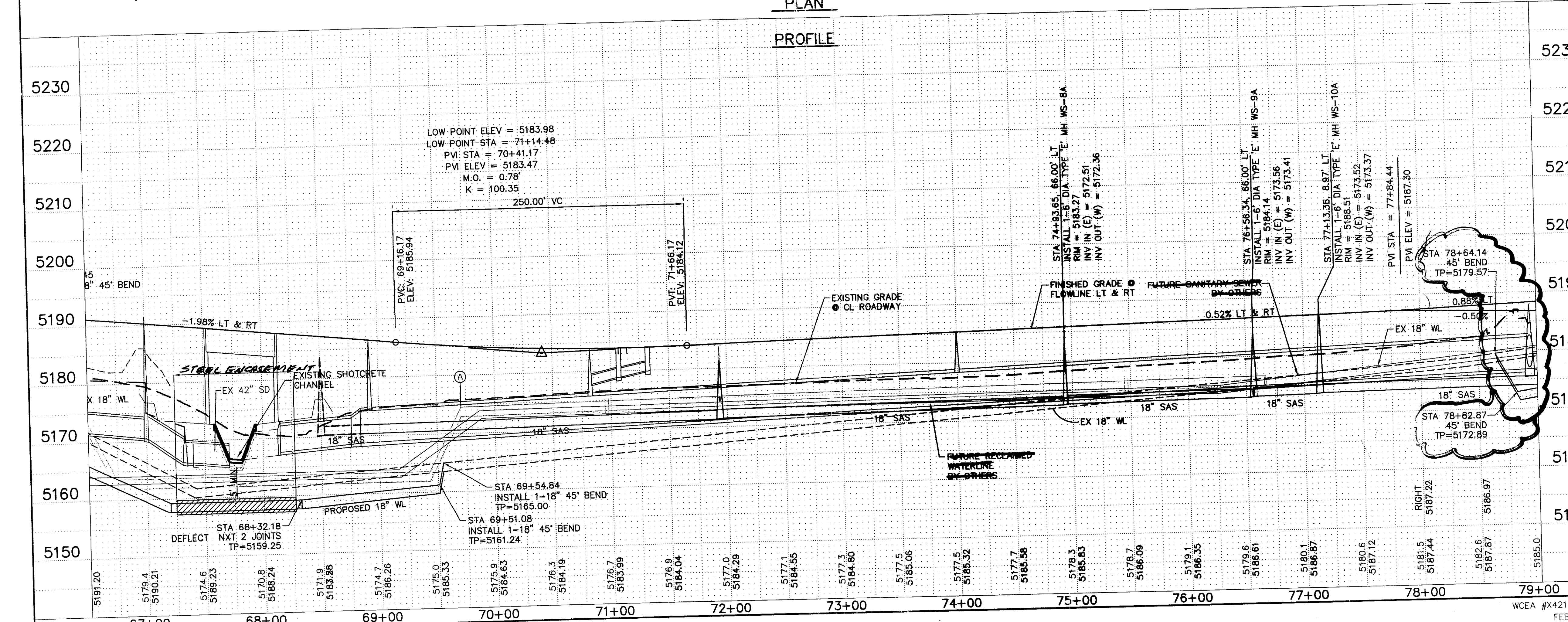
**DRAWN BY**

**CHECKED BY**



- LEGEND (EXISTING)**
- EXISTING LOT LINE
  - EXISTING CURB & GUTTER
  - EXISTING BUILDING
  - EXISTING FENCE
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| AS-BUILT INFORMATION |      | BENCH MARKS                                                                              |      | SURVEY INFORMATION |      | ENGINEER'S SEAL                          |      |
|----------------------|------|------------------------------------------------------------------------------------------|------|--------------------|------|------------------------------------------|------|
| CONTRACTOR           | DATE | USC&GS BRASS TABLET STAMPED                                                              | DATE | FIELD NOTES        | DATE | BY                                       | DATE |
| NO.                  | DATE | OF DOWNTOWN ALBUQUERQUE IN THE RIGHT-OF-WAY OF A PLAINS ELECTRIC CO-OP TRANSMISSION LINE | DATE | NO.                | DATE | REMARKS                                  | DATE |
| NO.                  | DATE | ELEVATION = 5118.370 FT.                                                                 | DATE | NO.                | DATE | REVISIONS                                | DATE |
| NO.                  | DATE | NGVD 29 U.S. FEET                                                                        | DATE | NO.                | DATE | WILSON & COMPANY, ENGINEERS & ARCHITECTS | DATE |
| NO.                  | DATE |                                                                                          | DATE | NO.                | DATE | DESIGNED BY                              | DATE |
| NO.                  | DATE |                                                                                          | DATE | NO.                | DATE | DRAWN BY                                 | DATE |
| NO.                  | DATE |                                                                                          | DATE | NO.                | DATE | CHECKED BY                               | DATE |



**CITY OF ALBUQUERQUE**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

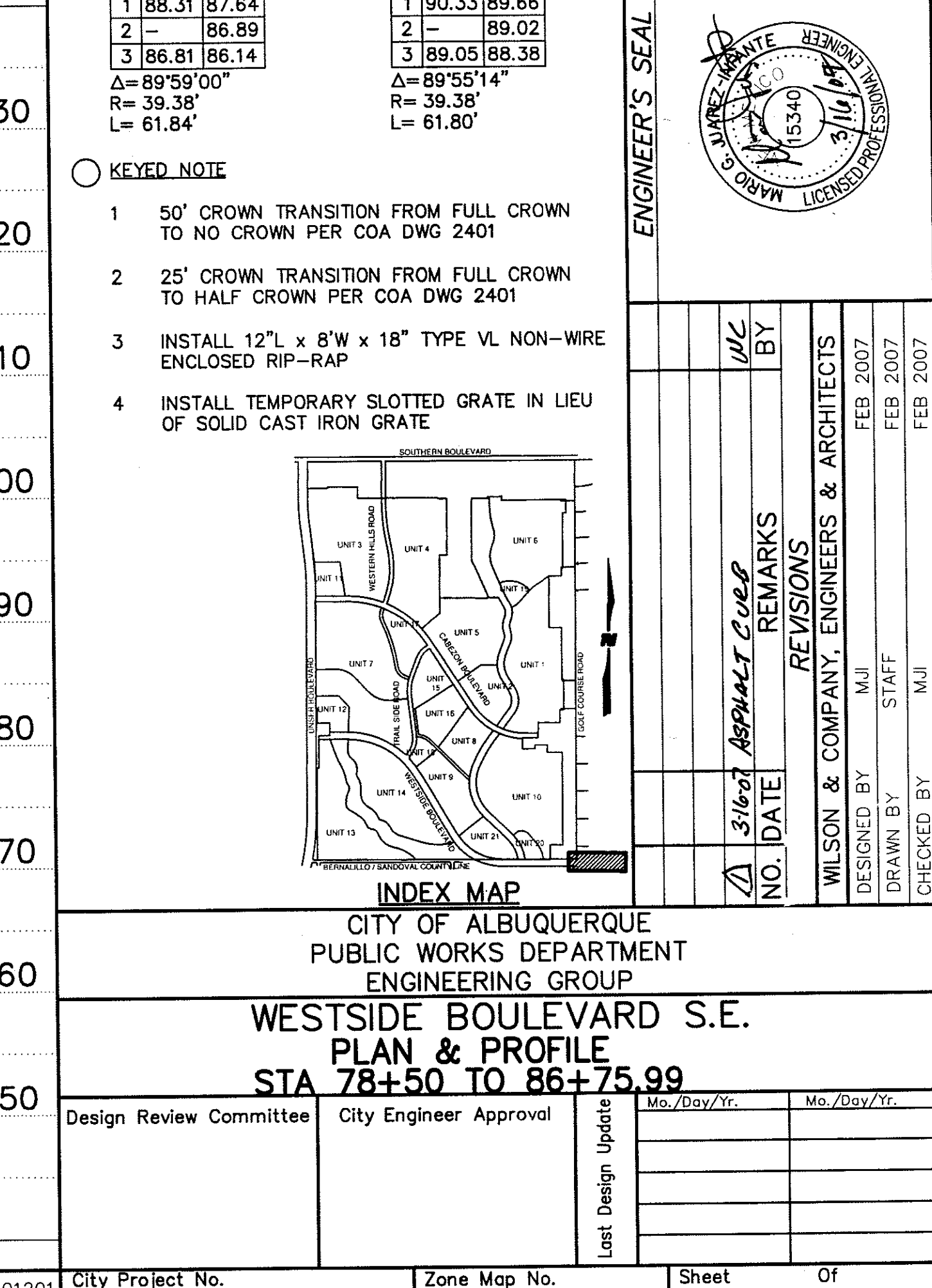
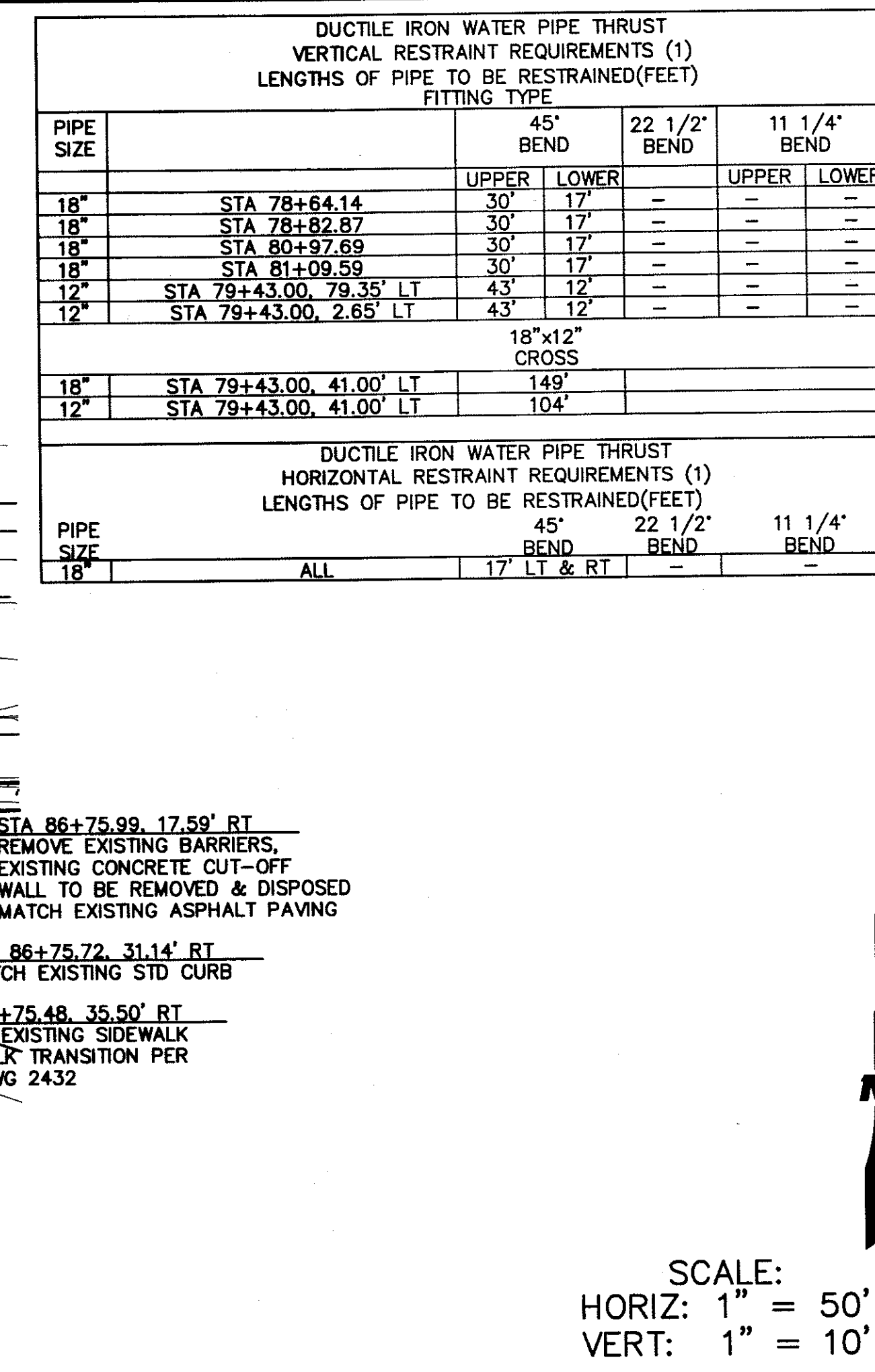
**WESTSIDE BOULEVARD SE**  
**PLAN & PROFILE**  
**STA 67+00 TO STA 78+50**

Design: Review Committee City Engineer Approval

City Project No. **7718.81** Zone Map No. **A-12 & A-13** Sheet **16** of **79**

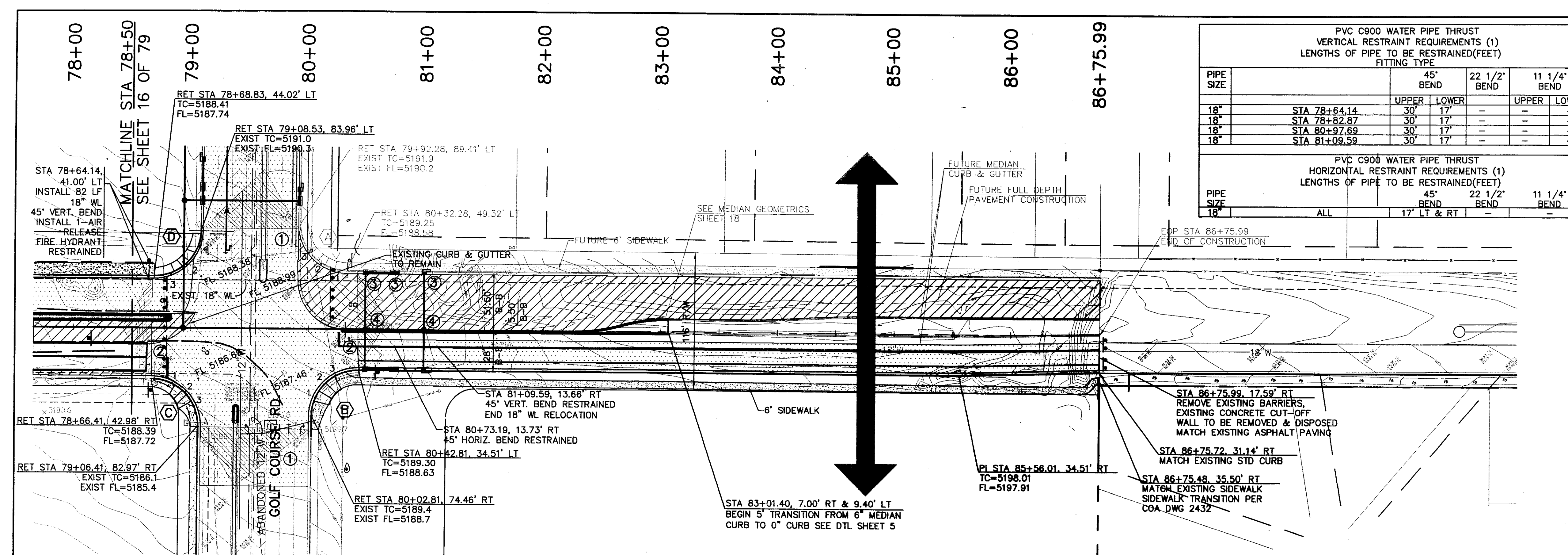
WCEA #X421801201 FEB 2007

WILSON & COMPANY



|                 |         |             |    |    |
|-----------------|---------|-------------|----|----|
| Arizona<br>2007 | 7718.82 | A-12 & A-13 | 17 | 79 |
|-----------------|---------|-------------|----|----|

**WILSON**  
& COMPANY



| PVC C900 WATER PIPE THRUST             |              |          |       |              |       |
|----------------------------------------|--------------|----------|-------|--------------|-------|
| VERTICAL RESTRAINT REQUIREMENTS (1)    |              |          |       |              |       |
| LENGTHS OF PIPE TO BE RESTRAINED(Feet) |              |          |       |              |       |
| FITTING TYPE                           |              | 45° BEND |       | 22 1/2° BEND |       |
| PIPE SIZE                              |              | UPPER    | LOWER | UPPER        | LOWER |
|                                        |              | 30'      | 17'   | 11'          | 1/4'  |
| 18"                                    | STA 78+64.14 | 30'      | 17'   | 11'          | 1/4'  |
| 18"                                    | STA 78+82.87 | 30'      | 17'   | 11'          | 1/4'  |
| 18"                                    | STA 80+97.69 | 30'      | 17'   | 11'          | 1/4'  |
| 18"                                    | STA 81+09.59 | 30'      | 17'   | 11'          | 1/4'  |

| PVC C900 WATER PIPE THRUST             |     |          |       |              |       |
|----------------------------------------|-----|----------|-------|--------------|-------|
| HORIZONTAL RESTRAINT REQUIREMENTS (1)  |     |          |       |              |       |
| LENGTHS OF PIPE TO BE RESTRAINED(Feet) |     |          |       |              |       |
| FITTING TYPE                           |     | 45° BEND |       | 22 1/2° BEND |       |
| PIPE SIZE                              |     | UPPER    | LOWER | UPPER        | LOWER |
|                                        |     | 30'      | 17'   | 11'          | 1/4'  |
| 18"                                    | ALL | 17'      | 17'   | 11'          | 1/4'  |

**LEGEND (EXISTING)**

- EXISTING LOT LINE
- EXISTING CURB & GUTTER
- EXISTING BUILDING
- EXISTING EDGE OF PAVEMENT
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- PROPOSED 6'-0" SIDEWALK
- PROPOSED WHEEL CHAIR RAMPS @ RETURN
- FUTURE CONSTRUCTION
- FULL DEPTH PAVEMENT CONSTRUCTION

**RETURN DATA**

**(A) FUTURE**

|   | TC    | FL    |
|---|-------|-------|
| 1 | 89.90 | 89.23 |
| 2 | -     | 89.88 |
| 3 | 91.20 | 90.58 |

Δ=90°08'03"  
R= 39.38'  
L= 61.85'

**(B)**

|   | TC    | FL    |
|---|-------|-------|
| 1 | 89.35 | 88.68 |
| 2 | -     | 88.66 |
| 3 | 89.31 | 88.64 |

Δ=89°55'26"  
R= 39.38'  
L= 61.80'

**(C)**

|   | TC    | FL    |
|---|-------|-------|
| 1 | 88.31 | 87.64 |
| 2 | -     | 86.89 |
| 3 | 86.81 | 86.14 |

Δ=89°59'00"  
R= 39.38'  
L= 61.84'

**(D)**

|   | TC    | FL    |
|---|-------|-------|
| 1 | 90.33 | 89.66 |
| 2 | -     | 89.02 |
| 3 | 89.05 | 88.38 |

Δ=89°55'14"  
R= 39.38'  
L= 61.80'

**KEYED NOTE**

- 50' CROWN TRANSITION FROM FULL CROWN TO NO CROWN PER COA DWG 2401
- 25' CROWN TRANSITION FROM FULL CROWN TO HALF CROWN PER COA DWG 2401
- INSTALL 12"L x 8"W x 18" TYPE VL NON-WIRE ENCLOSED RIP-RAP
- INSTALL TEMPORARY SLOTTED GRATE IN LIEU OF SOLID CAST IRON GRATE

**INDEX MAP**

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

**WESTSIDE BOULEVARD S.E.  
PLAN & PROFILE  
STA 78+50 TO 86+75.99**

Design Review Committee City Engineer Approval

City Project No. 7718.81 Zone Map No. A-12 & A-13

Sheet 17 of 79

**WILSON & COMPANY**

**AS-BUILT INFORMATION**

CONTRACTOR: \_\_\_\_\_ DATE: \_\_\_\_\_

WORKS BY: \_\_\_\_\_ DATE: \_\_\_\_\_

INSPECTOR'S ACCEPTANCE BY: \_\_\_\_\_ DATE: \_\_\_\_\_

VERIFICATION BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**BENCH MARKS**

USC&GS BRASS TABLET STAMPED "TRANS. 1969", LOCATED 6 MILES SOUTHWEST OF DOWNTOWN ALBUQUERQUE IN THE RIGHT-OF-WAY OF A PLAINS ELECTRIC CO-OP TRANSMISSION LINE

ELEVATION = 5118.370 FT.

NGVD 29 U.S. FEET

**SURVEY INFORMATION**

FIELD NOTES BY: \_\_\_\_\_ DATE: \_\_\_\_\_

NO. \_\_\_\_\_

**ENGINEER'S SEAL**

NO. DATE BY

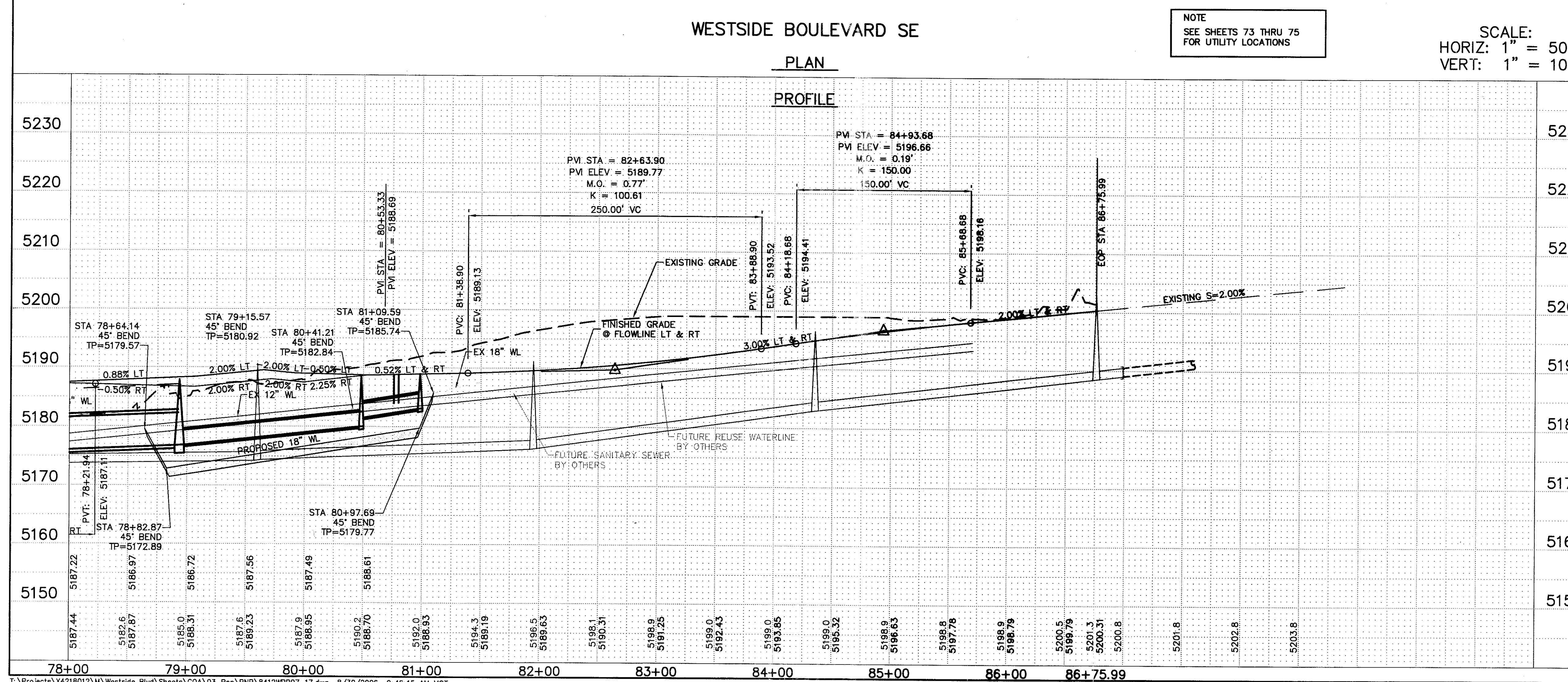
REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY: MJI FEB 2007

DRAWN BY: STAFF FEB 2007

CHECKED BY: MJI FEB 2007

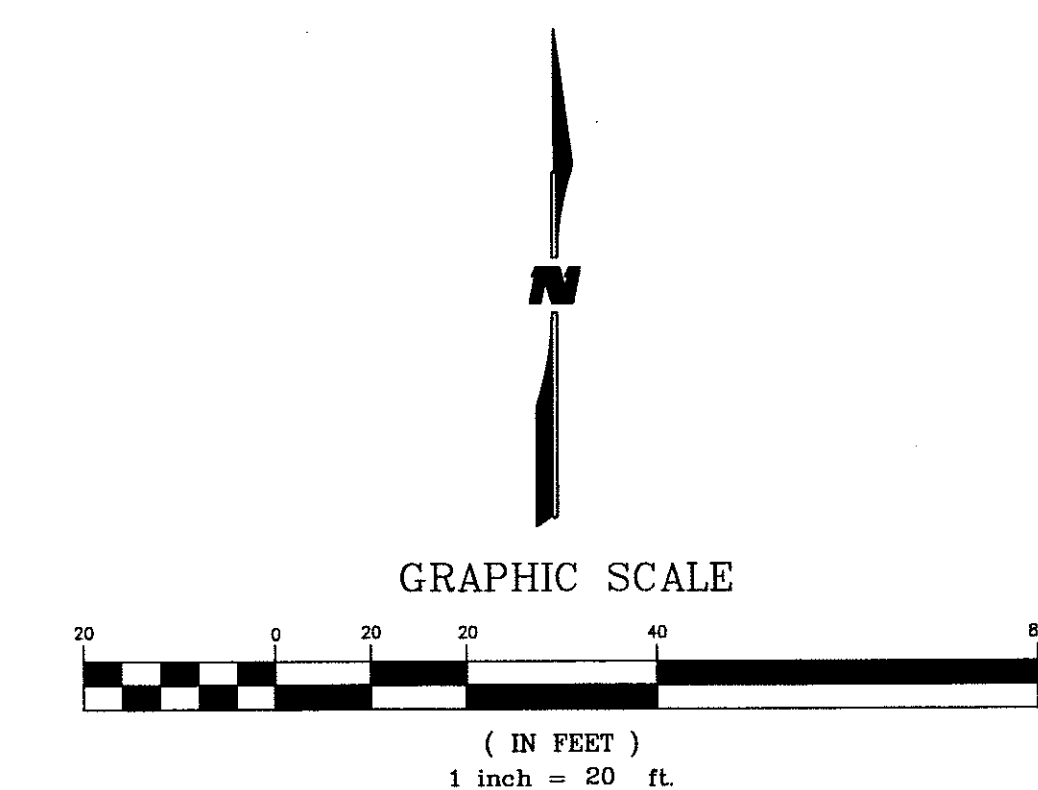
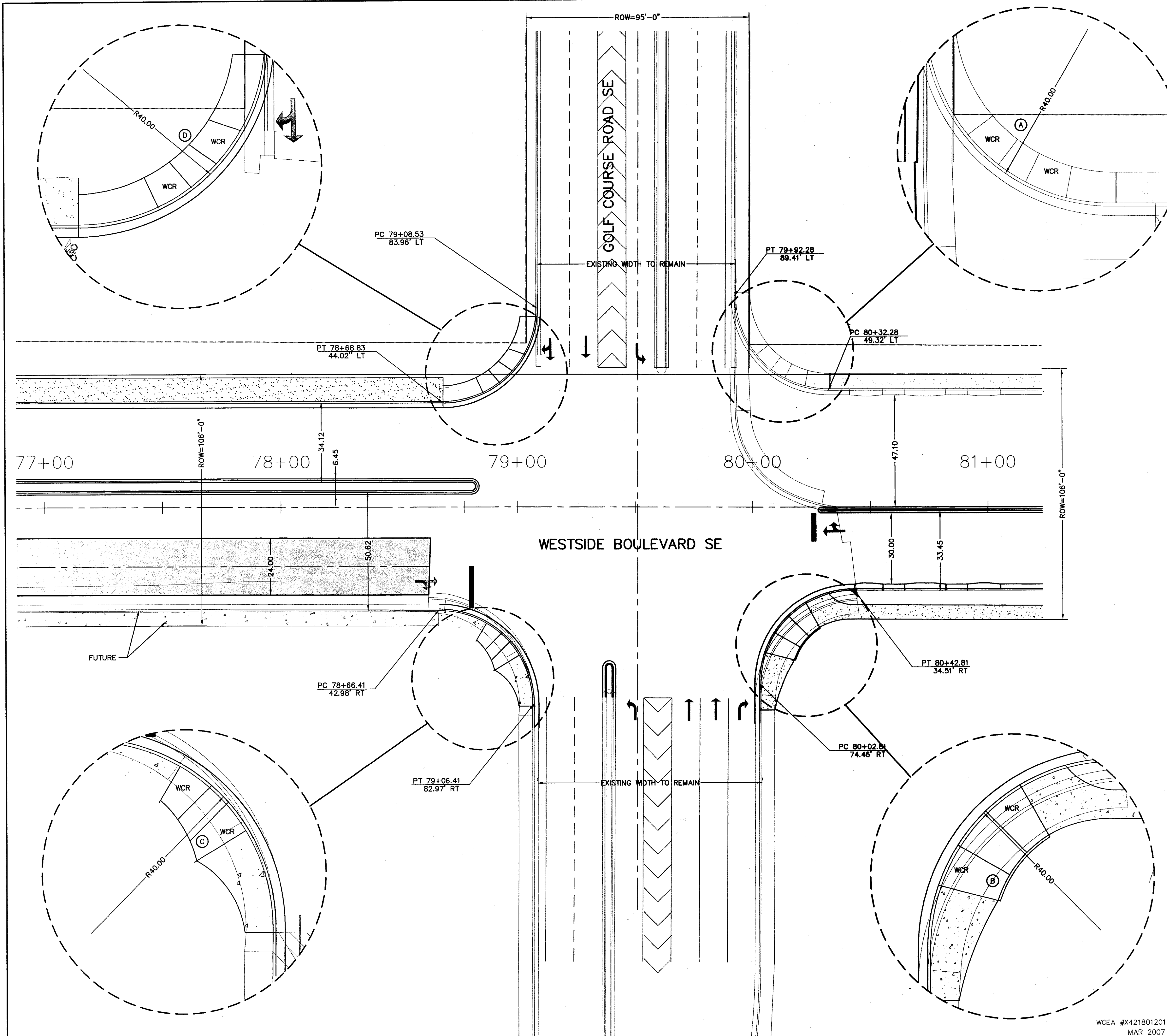


NOTE:  
ALL DIMENSIONS, STATIONS & OFFSETS, AND CURVE DATA REFERENCE BACK OF CURB

|                                                                                                                                          |                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A CURVE DATA</b><br>$\Delta=90^{\circ}08'03''$<br>$R=39.38'$<br>$L=61.95'$<br>$T=39.47'$<br>RADIUS POINT<br>STA 80+32.29<br>89.37' LT | <b>B CURVE DATA</b><br>$\Delta=89^{\circ}55'26''$<br>$R=39.38'$<br>$L=61.80'$<br>$T=39.32'$<br>RADIUS POINT<br>STA 80+42.81<br>74.51' RT |
| <b>C CURVE DATA</b><br>$\Delta=89^{\circ}59'00''$<br>$R=39.38'$<br>$L=61.84'$<br>$T=39.36'$<br>RADIUS POINT<br>STA 78+66.91<br>82.98' RT | <b>D CURVE DATA</b><br>$\Delta=89^{\circ}55'14''$<br>$R=39.38'$<br>$L=61.80'$<br>$T=39.32'$<br>RADIUS POINT<br>STA 78+68.53<br>84.02' LT |

LEGEND

|     |                                    |
|-----|------------------------------------|
| --- | CABEZON BOUNDARY                   |
| --- | PROPOSED ROW                       |
| --- | PROPOSED TRACT LINES               |
| --- | PROPOSED ROAD CENTERLINE           |
| --- | WCR                                |
| --- | EXISTING ROW                       |
| --- | EXISTING UNDERGROUND ELECTRIC LINE |
| --- | EXISTING GAS LINE                  |
| --- | EXISTING OVERHEAD ELECTRIC         |
| --- | EXISTING CURB & GUTTER             |
| --- | EXISTING FENCE                     |
| --- | EXISTING BUILDING                  |
| --- | EXISTING CULVERT                   |
| --- | EXISTING VALVE                     |
| --- | EXISTING TRAFFIC SIGNAL MASTARM    |
| --- | EXISTING MANHOLE                   |
| --- | EXISTING ELECTRIC BOX              |
| --- | EXISTING FIRE HYDRANT              |
| --- | EXISTING COMMUNICATIONS PEDESTAL   |
| --- | EXISTING POST                      |
| --- | EXISTING VEGETATION                |



|                                                                                                                                                |                                                                     |                                                           |              |             |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------|--------------|-------------|
| <b>WILSON &amp; COMPANY</b><br>2600 THE AMERICAN ROAD SE<br>SUITE 100<br>RIO RANCHO, NEW MEXICO<br>87124<br>(505) 898-8021<br>www.wilsonco.com | CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP |                                                           |              |             |
|                                                                                                                                                | WESTSIDE BOULEVARD S.E.<br>WESTSIDE BLVD./GOLF COURSE               |                                                           |              |             |
|                                                                                                                                                | Design Review Committee<br>MAR 12 2007                              | City Engineer Approval<br>MARIO G. JAREZ<br>CITY ENGINEER | Mo./Day/Yr.  | Mo./Day/Yr. |
|                                                                                                                                                | City Project No.<br>7718.81                                         | Zone Map No.<br>A-12 & A-13                               | Sheet<br>17A | Of<br>79    |

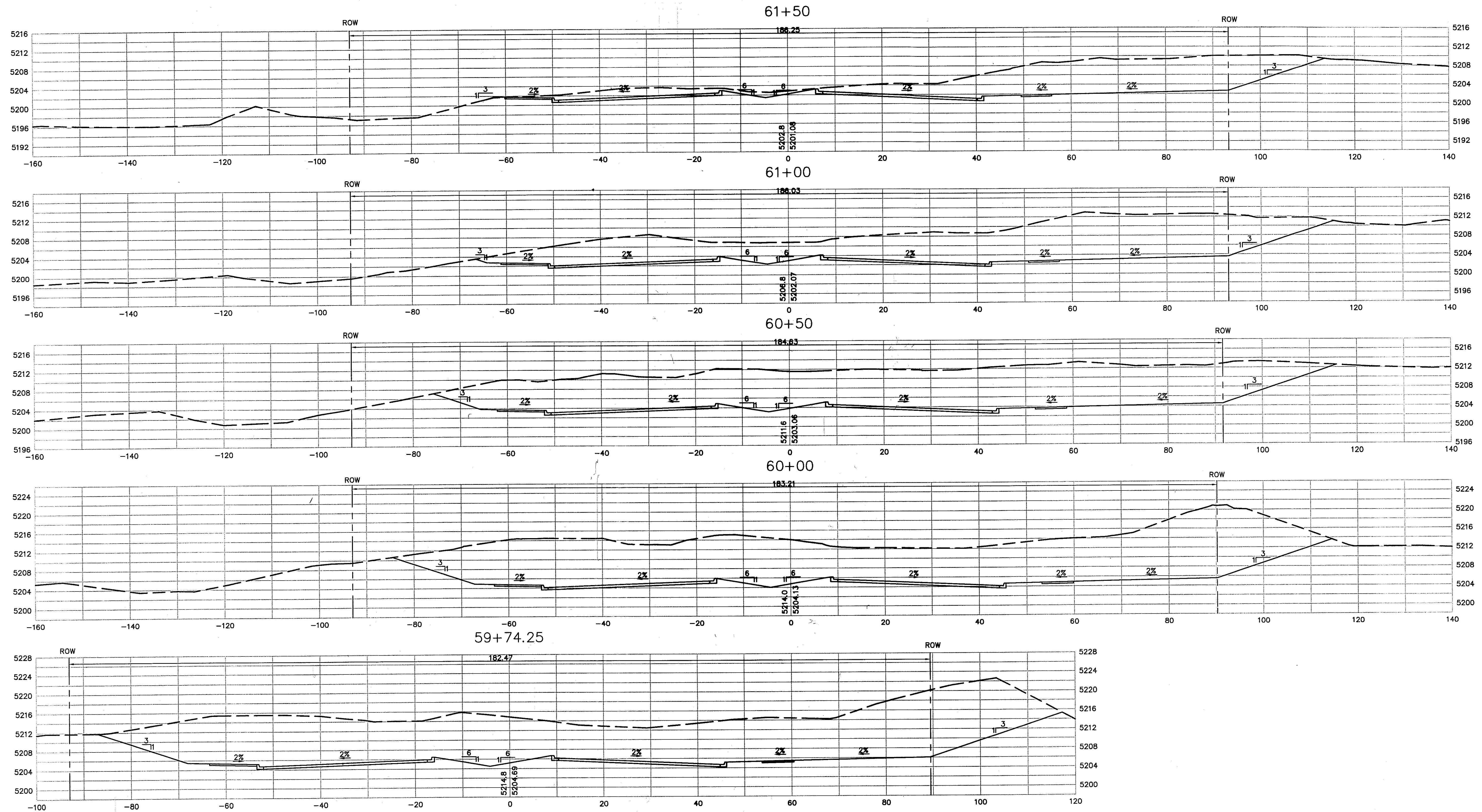
### LEGEND

== PROPOSED CURB & GUTTER  
PROPOSED COLORED, STAMPED PCC

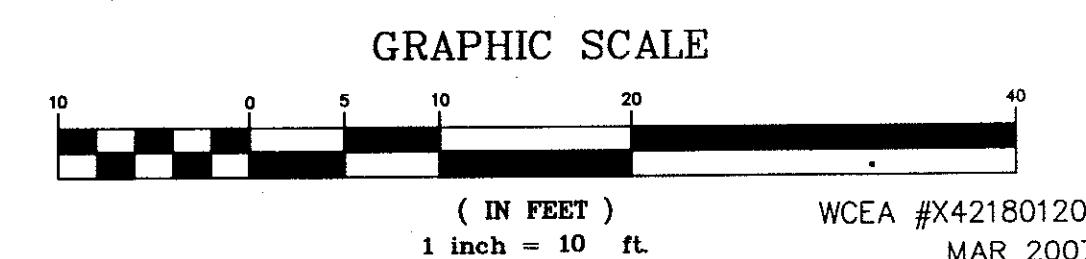


MARIO G. JAREZ, P.E.  
STATE OF NEW MEXICO  
15340  
3/2/07  
LICENSED PROFESSIONAL ENGINEER

|                                                                                                                  |  |                                                                                                                 |  |                    |             |             |
|------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|--------------------|-------------|-------------|
| Design Review Committee<br> |  | City Engineer Approval<br> |  | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr. |
|                                                                                                                  |  |                                                                                                                 |  |                    |             |             |
|                                                                                                                  |  |                                                                                                                 |  |                    |             |             |
|                                                                                                                  |  |                                                                                                                 |  |                    |             |             |
|                                                                                                                  |  |                                                                                                                 |  |                    |             |             |
| City Project No. 7718.81                                                                                         |  | Zone Map No. A-12 & A-13                                                                                        |  | Sheet 18 Of 79     |             |             |



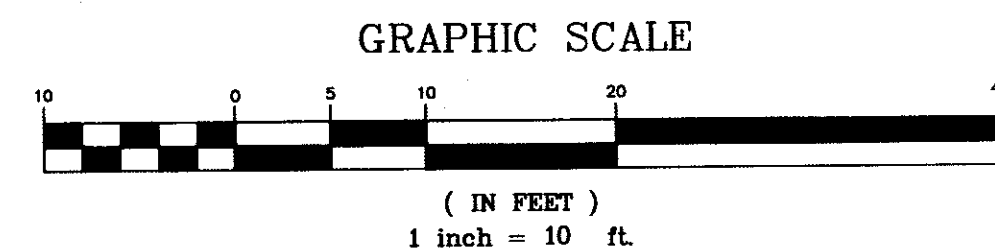
NOTE: WESTSIDE BOULEVARD HAS BEEN ROUGH GRADED TO APPROXIMATE SUBGRADE ELEVATION UNDER A ROUGH GRADING PERMIT. 3:1 TIE SLOPES ARE FOR "FINAL DESIGN INFORMATION ONLY." NO SLOPE EASEMENTS ARE REQUIRED IN THIS PROJECT.



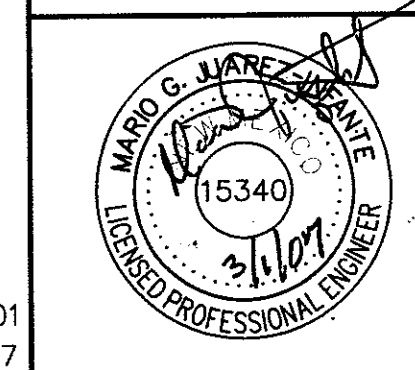
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|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>WILSON &amp; COMPANY</b><br>2600 THE AMERICAN ROAD SE<br>SUITE 100<br>RIO RANCHO, NEW MEXICO 87124<br>(505) 898-8021<br>www.wilsonco.com |                                                         | CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP<br><b>WESTSIDE BOULEVARD S.E.<br/>         ROADWAY CROSS SECTIONS<br/>         STA 59+74.25 TO STA 61+50</b> |                 |
| Design Review Committee<br>MAR 1 2 2007<br>DESIGN REVIEW COMMITTEE                                                                          | City Engineer Approval<br>MAR 1 2 2007<br>CITY ENGINEER | Last Design Update<br>Mo./Day/Yr.                                                                                                                                                | Mo./Day/Yr.     |
| City Project No.<br><b>7718.81</b>                                                                                                          | Zone Map No.<br><b>A-12 &amp; A-13</b>                  | Sheet<br><b>19</b>                                                                                                                                                               | Of<br><b>79</b> |



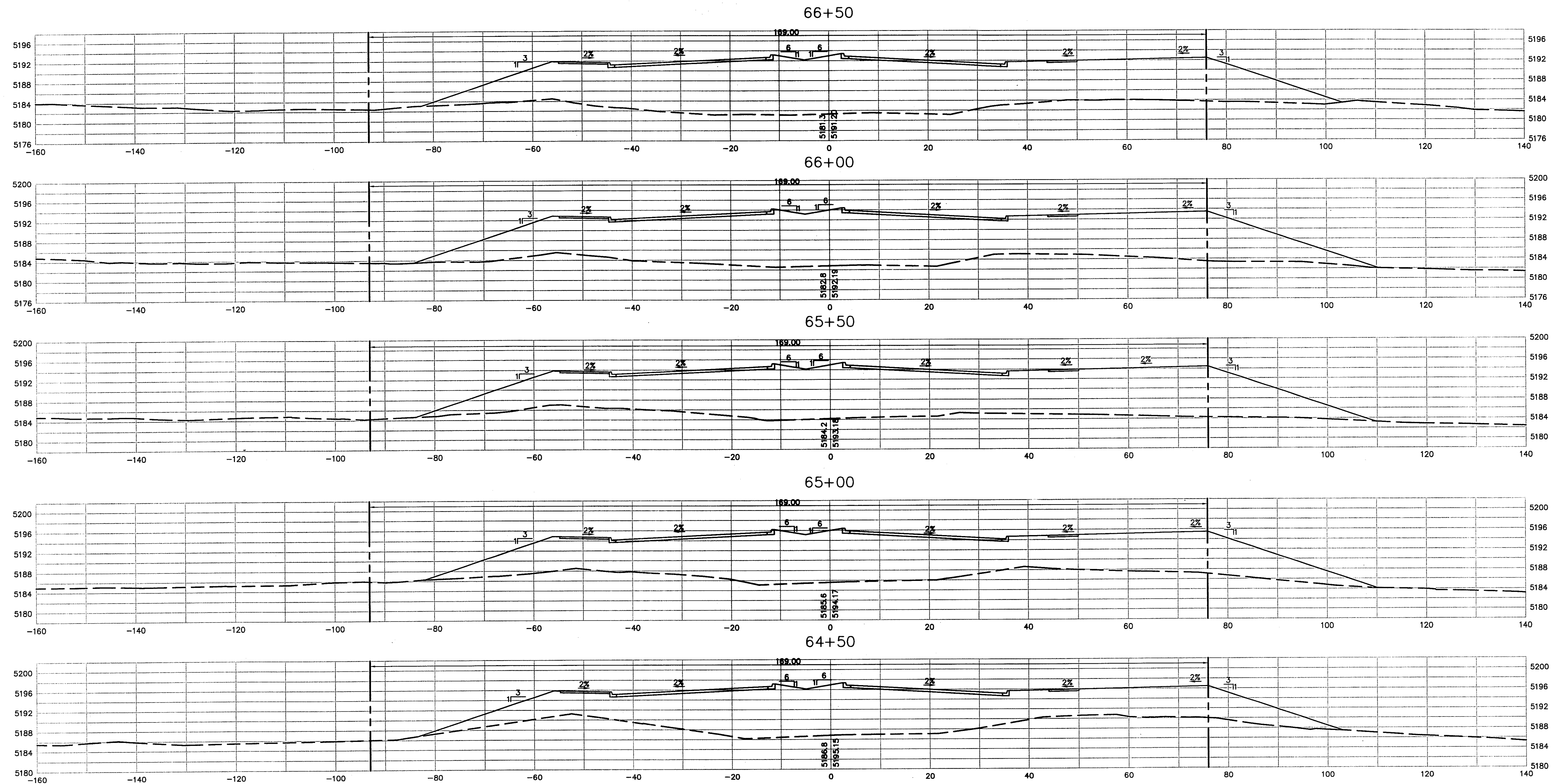
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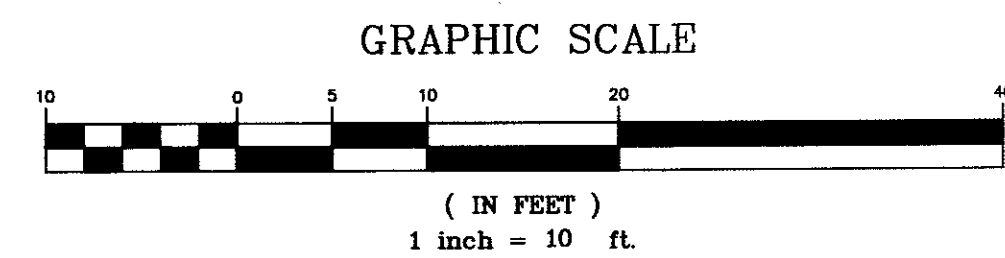
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RIO RANCHO, NEW MEXICO  
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www.wilsonco.com



|                                                                             |                                                             |
|-----------------------------------------------------------------------------|-------------------------------------------------------------|
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP         |                                                             |
| WESTSIDE BOULEVARD S.E.<br>ROADWAY CROSS SECTIONS<br>STA 62+00 TO STA 64+00 |                                                             |
| Design Review Committee<br>MAR 12 2007<br>REVIEW COMMITTEE                  | City Engineer Approval<br>MARIO G. LLANEZA<br>CITY ENGINEER |
| City Project No. 7718.81                                                    | Zone Map No. A-12 & A-13                                    |
| Sheet 20                                                                    | Of 79                                                       |

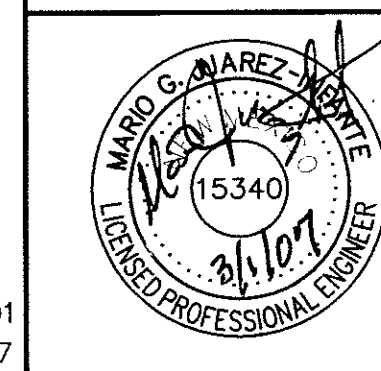


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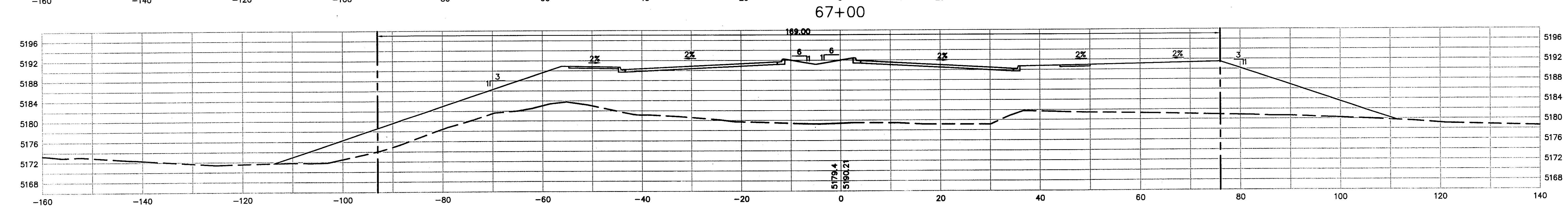
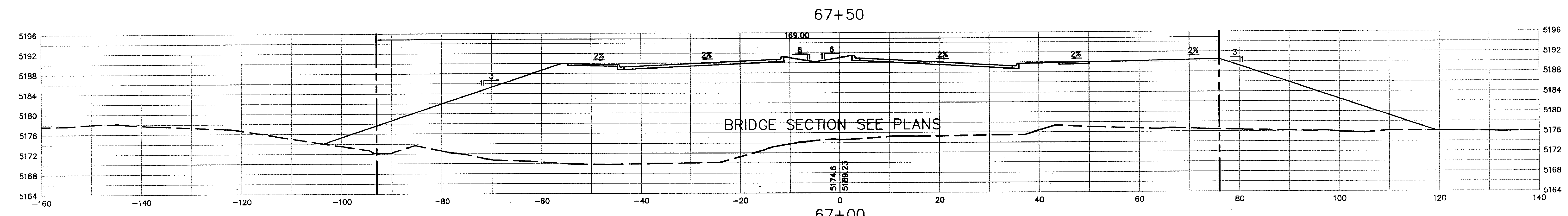
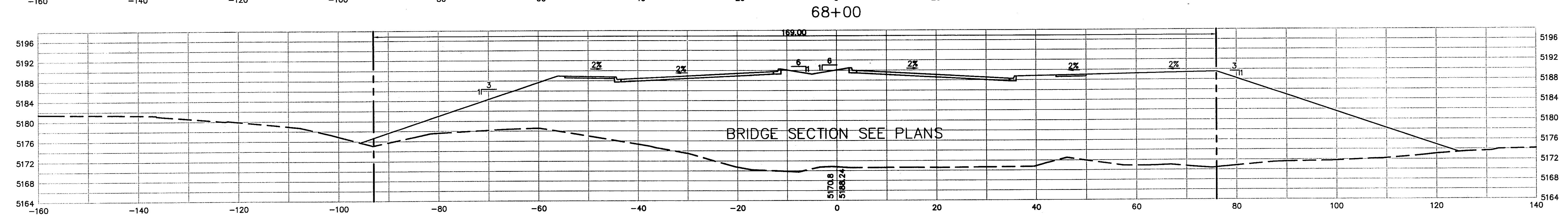
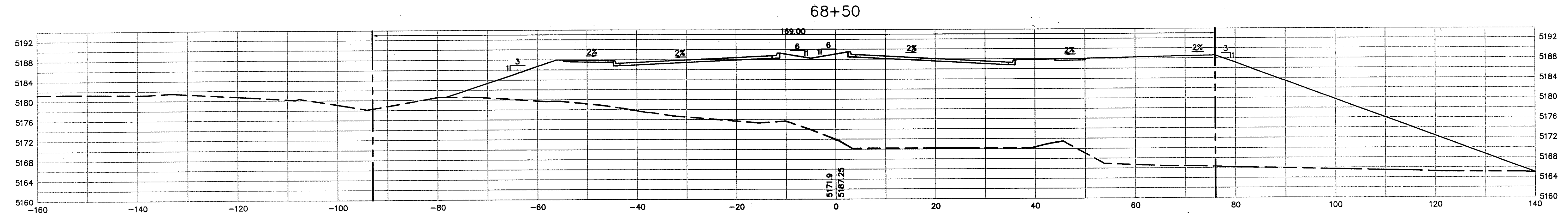


WCEA #X421801201  
MAR 2007

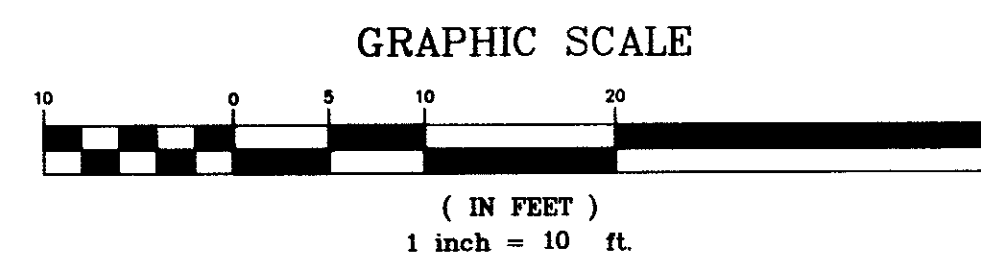
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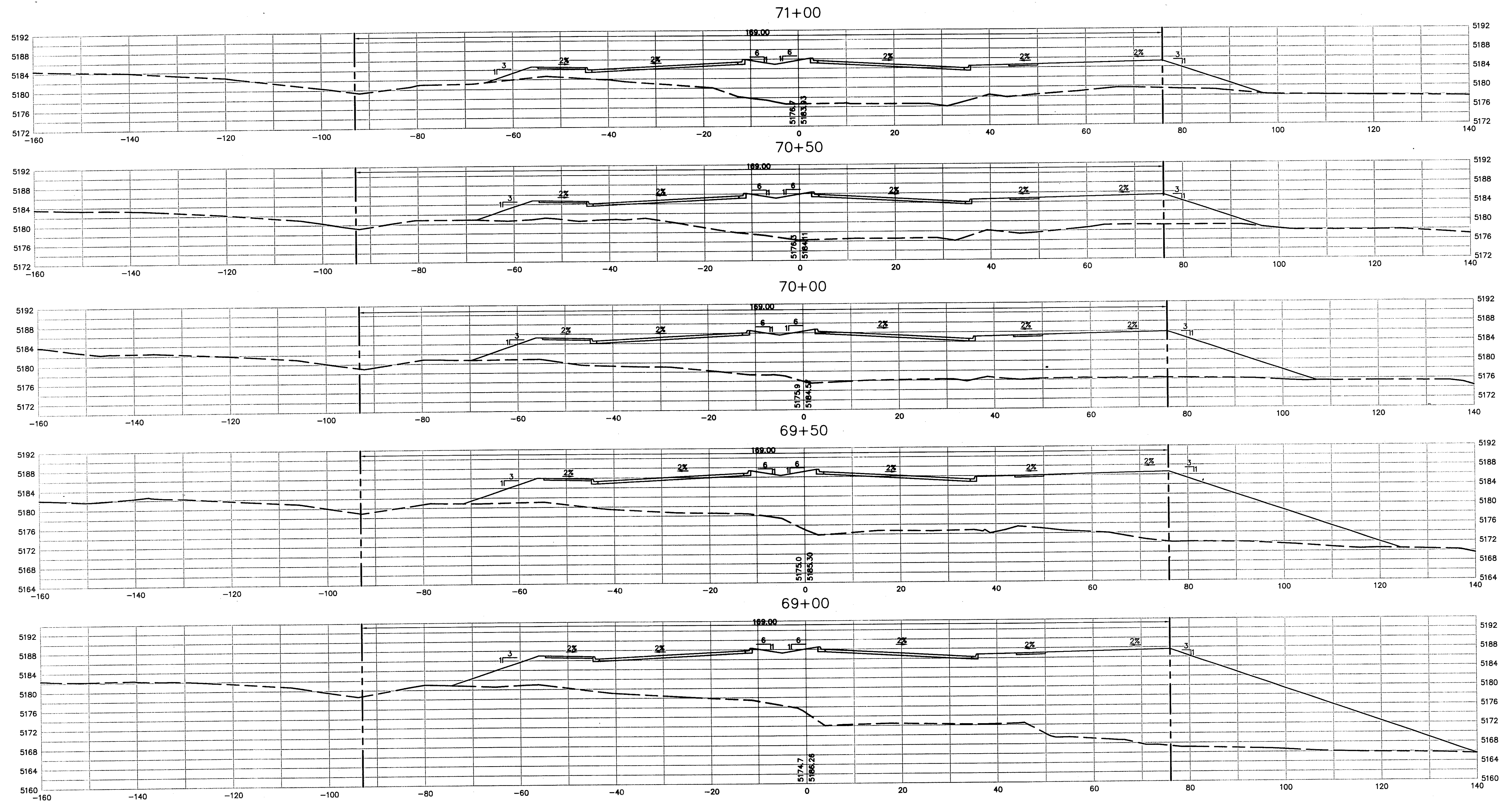
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|-----------------------------------------------------------------------------|-----------------------------------------------|-------------|-------------|
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP         |                                               |             |             |
| WESTSIDE BOULEVARD S.E.<br>ROADWAY CROSS SECTIONS<br>STA 64+50 TO STA 66+50 |                                               |             |             |
| Design Review Committee                                                     | City Engineer Approval                        | Mo./Day/Yr. | Mo./Day/Yr. |
| APPROVE<br>MAR 12 2007                                                      | APPROVE<br>MARIO G. MARTINEZ<br>CITY ENGINEER |             |             |
| City Project No.                                                            | Zone Map No.                                  | Sheet       | Of          |
| 7718.81                                                                     | A-12 & A-13                                   | 21          | 79          |



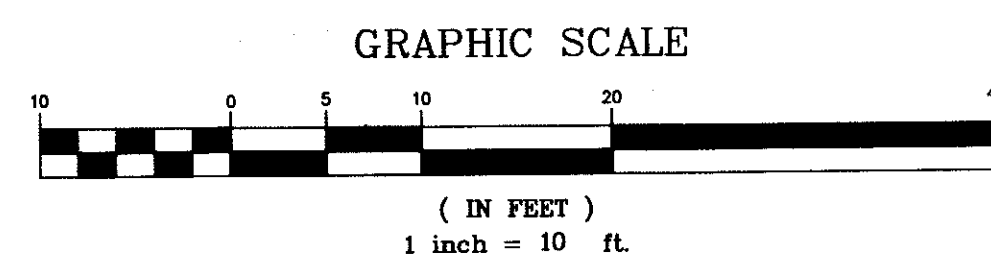
NOTE: WESTSIDE BOULEVARD HAS BEEN ROUGH GRADED TO APPROXIMATE SUBGRADE ELEVATION UNDER A ROUGH GRADING PERMIT. 3:1 TIE SLOPES ARE FOR "FINAL DESIGN INFORMATION ONLY." NO SLOPE EASEMENTS ARE REQUIRED IN THIS PROJECT.



|                                                                                                                                             |                                                        |                                                                                                                                                                                |                      |
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| Design Review Committee<br>MAR 12 2007<br>REVIEW COMMITTEE                                                                                  | City Engineer Approval<br>MAR 13 2007<br>CITY ENGINEER | Last Design Update<br>Mo./Day/Yr.<br>_____                                                                                                                                     | Mo./Day/Yr.<br>_____ |
| City Project No. <b>7718.81</b>                                                                                                             |                                                        | Zone Map No. <b>A-12 &amp; A-13</b>                                                                                                                                            |                      |
| WCEA #X421801201<br>MAR 2007                                                                                                                |                                                        | Sheet <b>22</b> Of <b>79</b>                                                                                                                                                   |                      |

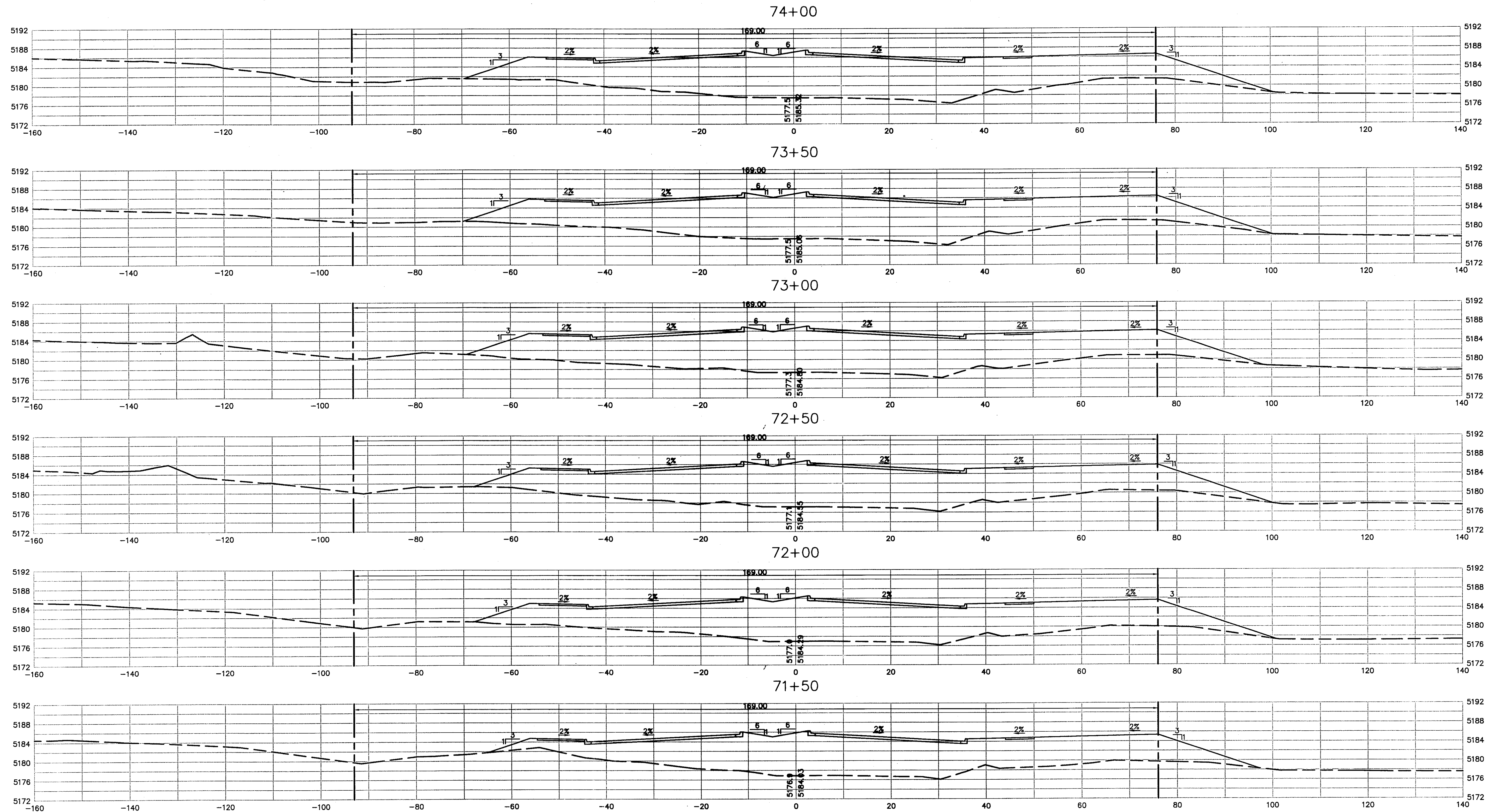


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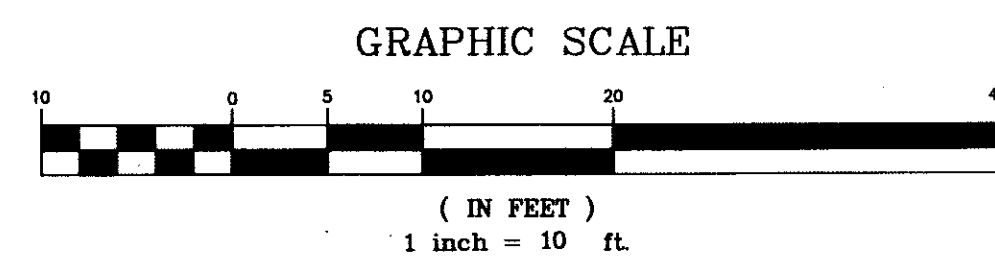


WCEA #X421801201  
MAR 2007

|                                                                                                                                                |                                                        |                                                                                      |                        |
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| <b>WILSON &amp; COMPANY</b><br>2800 THE AMERICAN ROAD SE<br>SUITE 100<br>RIO RANCHO, NEW MEXICO<br>87124<br>(505) 898-8021<br>www.wilsonco.com |                                                        | CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP                  |                        |
|                                                                                                                                                |                                                        | <b>WESTSIDE BOULEVARD S.E.<br/>ROADWAY CROSS SECTIONS<br/>STA 69+00 TO STA 71+00</b> |                        |
| Design Review Committee<br>MAR 12 2007<br>DESIGN REVIEW COMMITTEE                                                                              | City Engineer Approval<br>[Signature]<br>CITY ENGINEER | Mo./Day/Yr.<br>[Blank]                                                               | Mo./Day/Yr.<br>[Blank] |
| City Project No.<br><b>7718.81</b>                                                                                                             | Zone Map No.<br><b>A-12 &amp; A-13</b>                 | Sheet<br><b>23</b>                                                                   | Of<br><b>79</b>        |

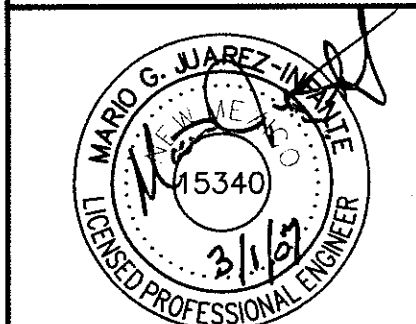


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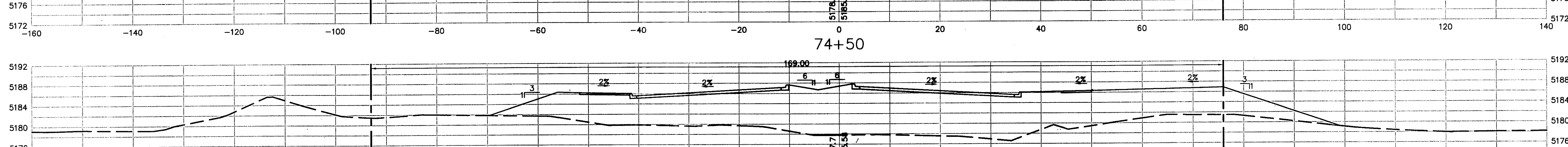
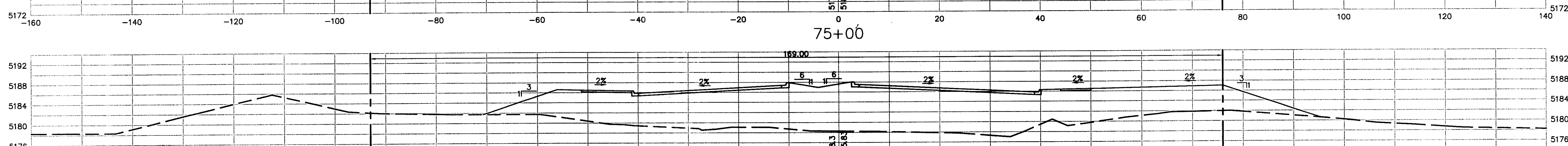
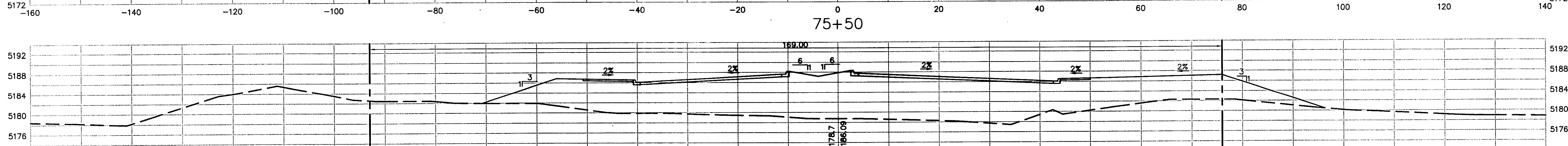
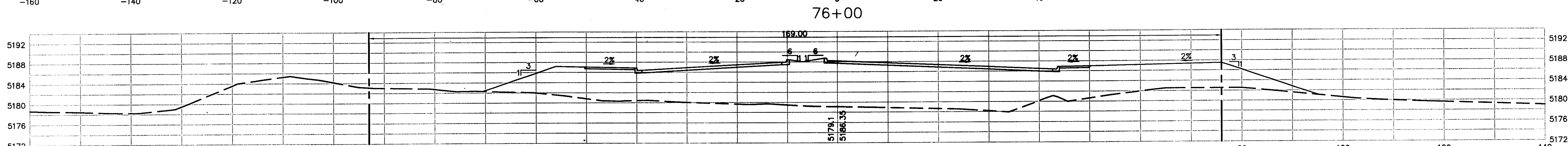
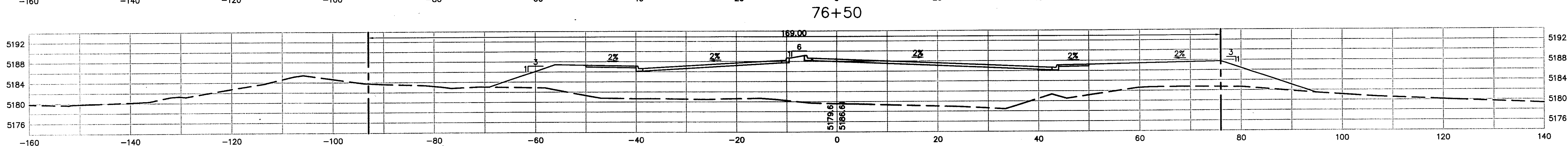
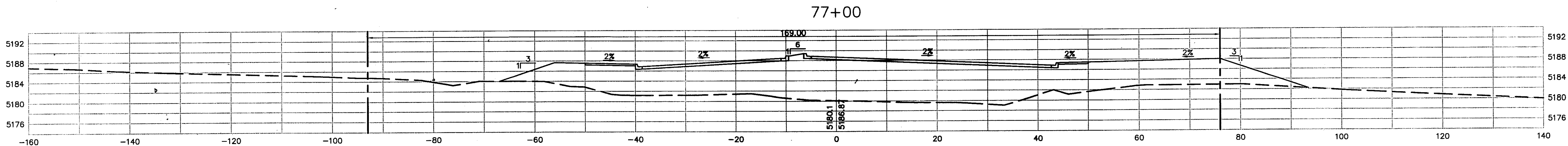


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MAR 2007

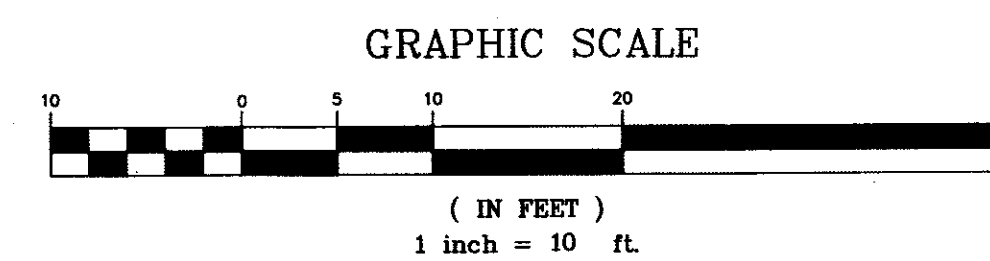
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| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP         |                        |             |             |
| WESTSIDE BOULEVARD S.E.<br>ROADWAY CROSS SECTIONS<br>STA 71+50 TO STA 74+00 |                        |             |             |
| Design-Review Committee                                                     | City Engineer Approval | Mo./Day/Yr. | Mo./Day/Yr. |
|                                                                             |                        |             |             |
| City Project No.                                                            | Zone Map No.           | Sheet Of    |             |
| 7718.81                                                                     | A-12 & A-13            | 24 79       |             |

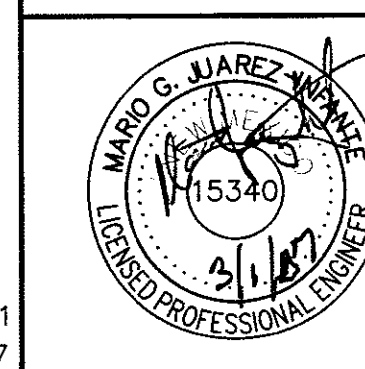


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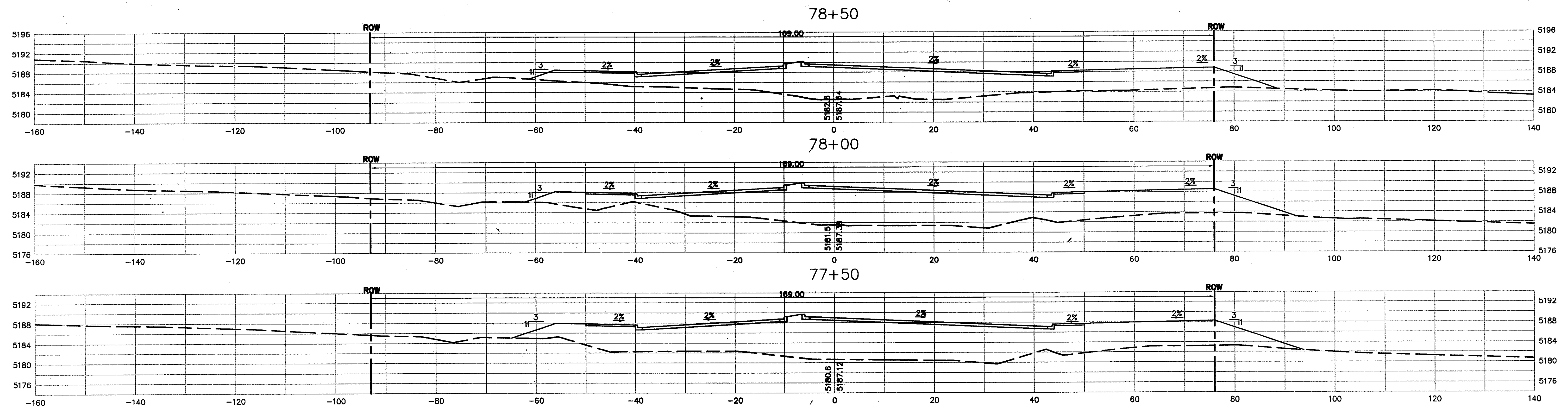


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MAR 2007

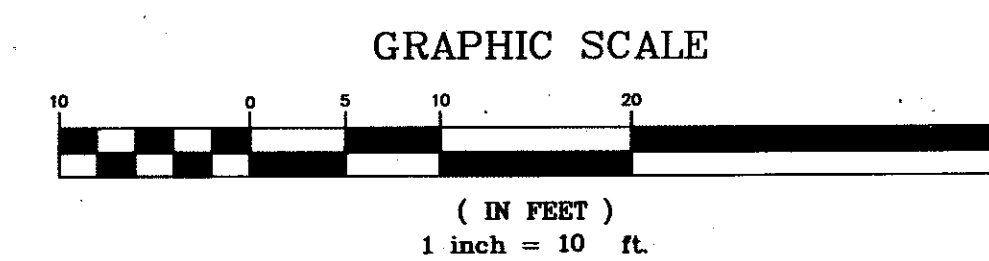
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| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP         |                              |             |             |
| WESTSIDE BOULEVARD S.E.<br>ROADWAY CROSS SECTIONS<br>STA 74+50 TO STA 77+00 |                              |             |             |
| Design Review Committee                                                     | City Engineer Approval       | Mo./Day/Yr. | Mo./Day/Yr. |
| MAR 12 2007<br>DESIGN REVIEW COMMITTEE                                      | MAR 12 2007<br>CITY ENGINEER |             |             |
| City Project No.                                                            | Zone Map No.                 | Sheet       | Of          |
| 7718.81                                                                     | A-12 & A-13                  | 25          | 79          |

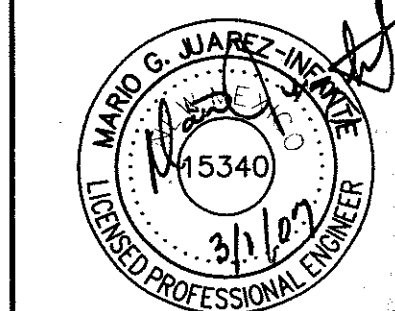


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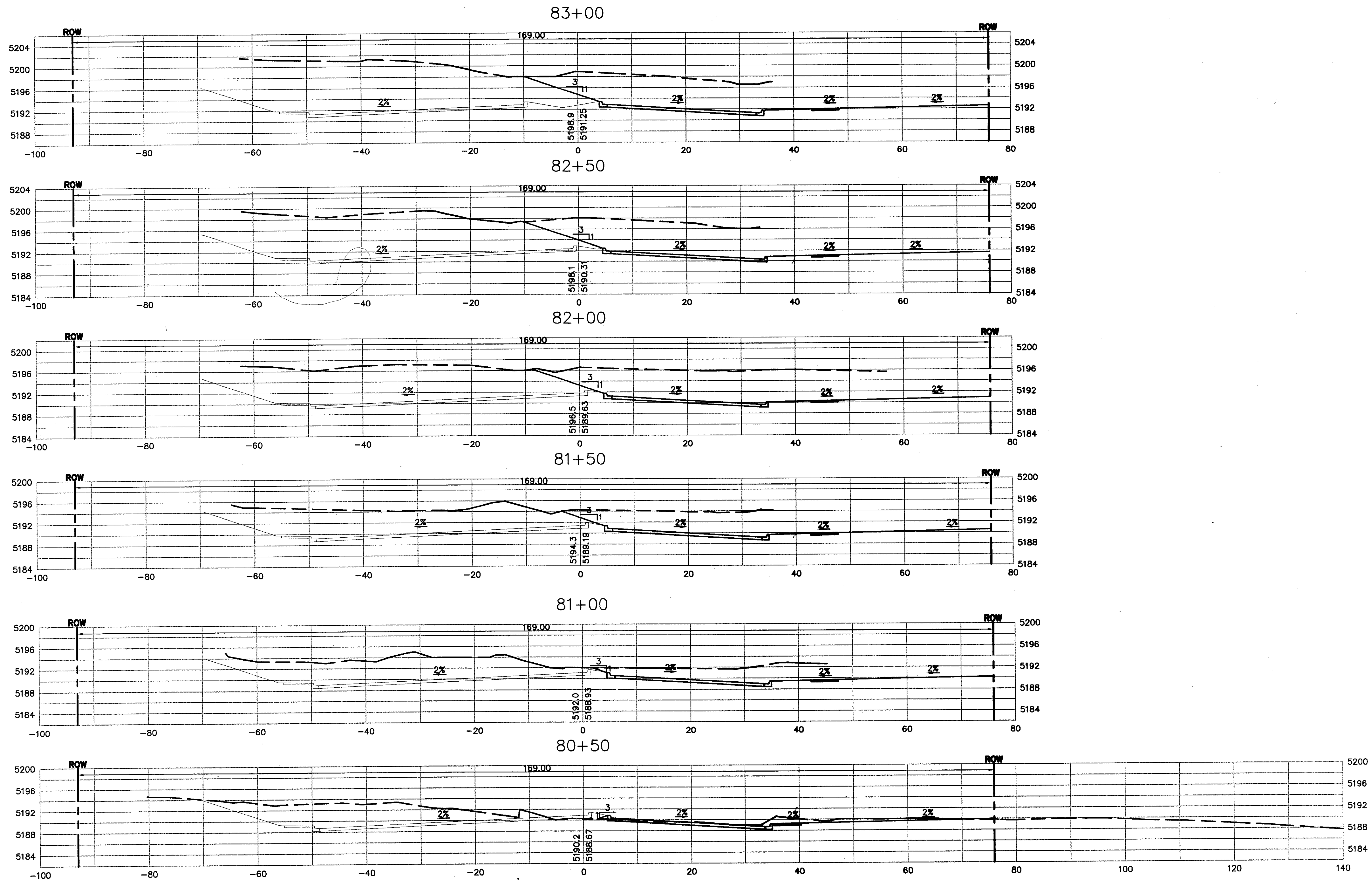


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MAR 2007

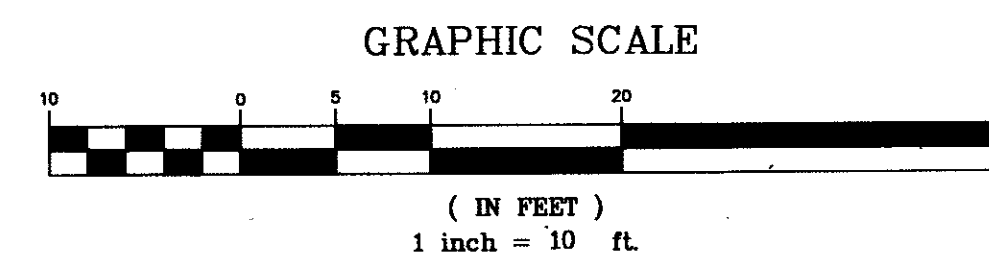
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| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP         |                                       |                    |  |
| WESTSIDE BOULEVARD S.E.<br>ROADWAY CROSS SECTIONS<br>STA 77+50 TO STA 78+50 |                                       |                    |  |
| Design Review Committee<br>MAR 12 2007                                      | City Engineer Approval<br>MAR 13 2007 | Last Design Update |  |
| City Project No. 7718.81                                                    | Zone Map No. A-12 & A-13              | Sheet 25A Of 79    |  |

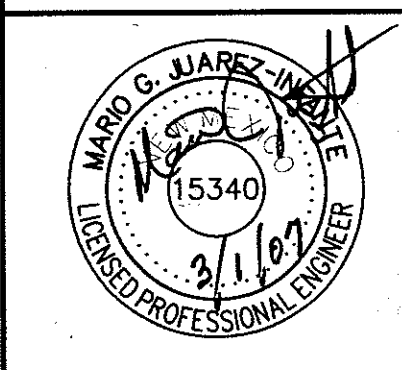


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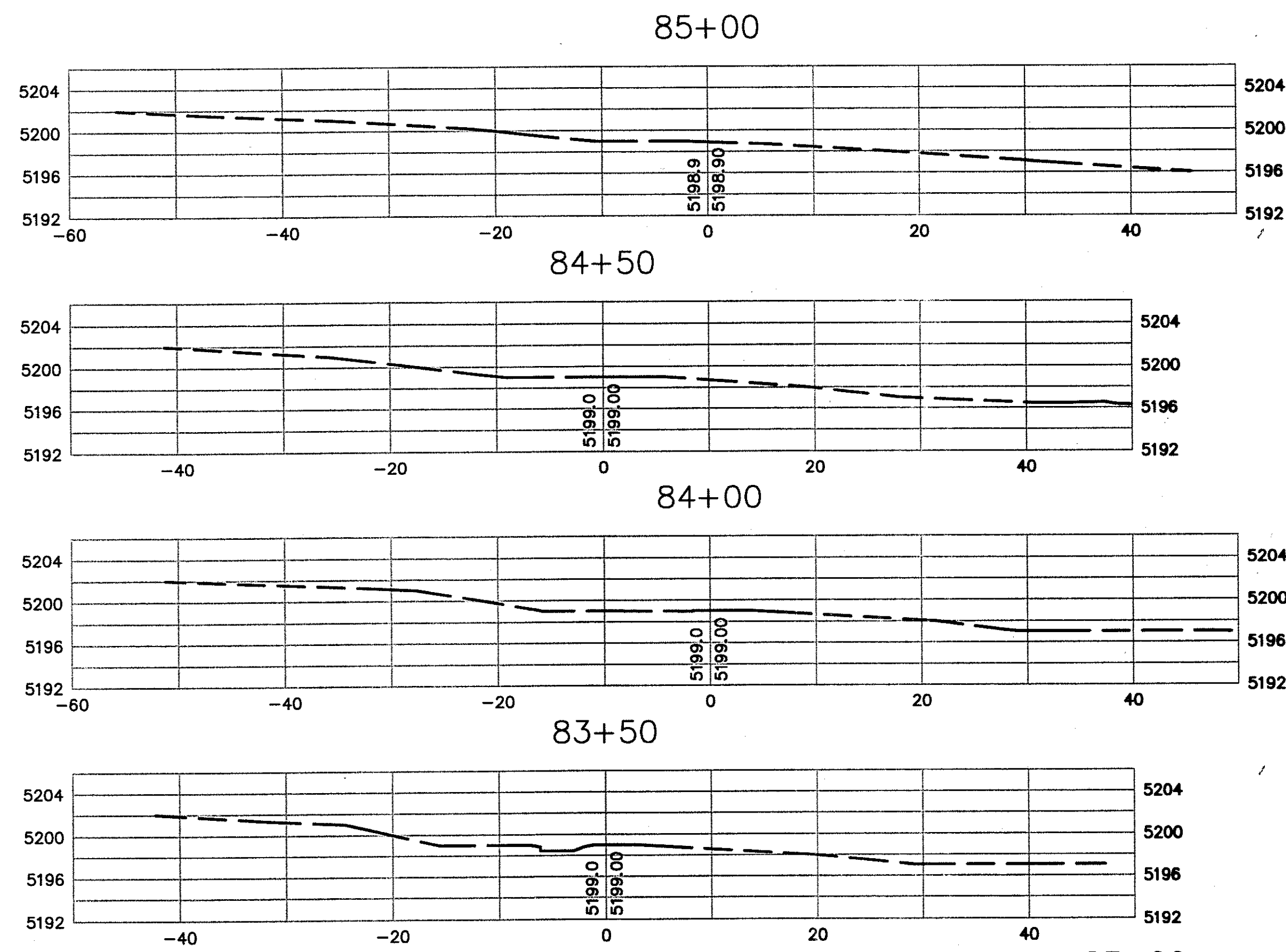
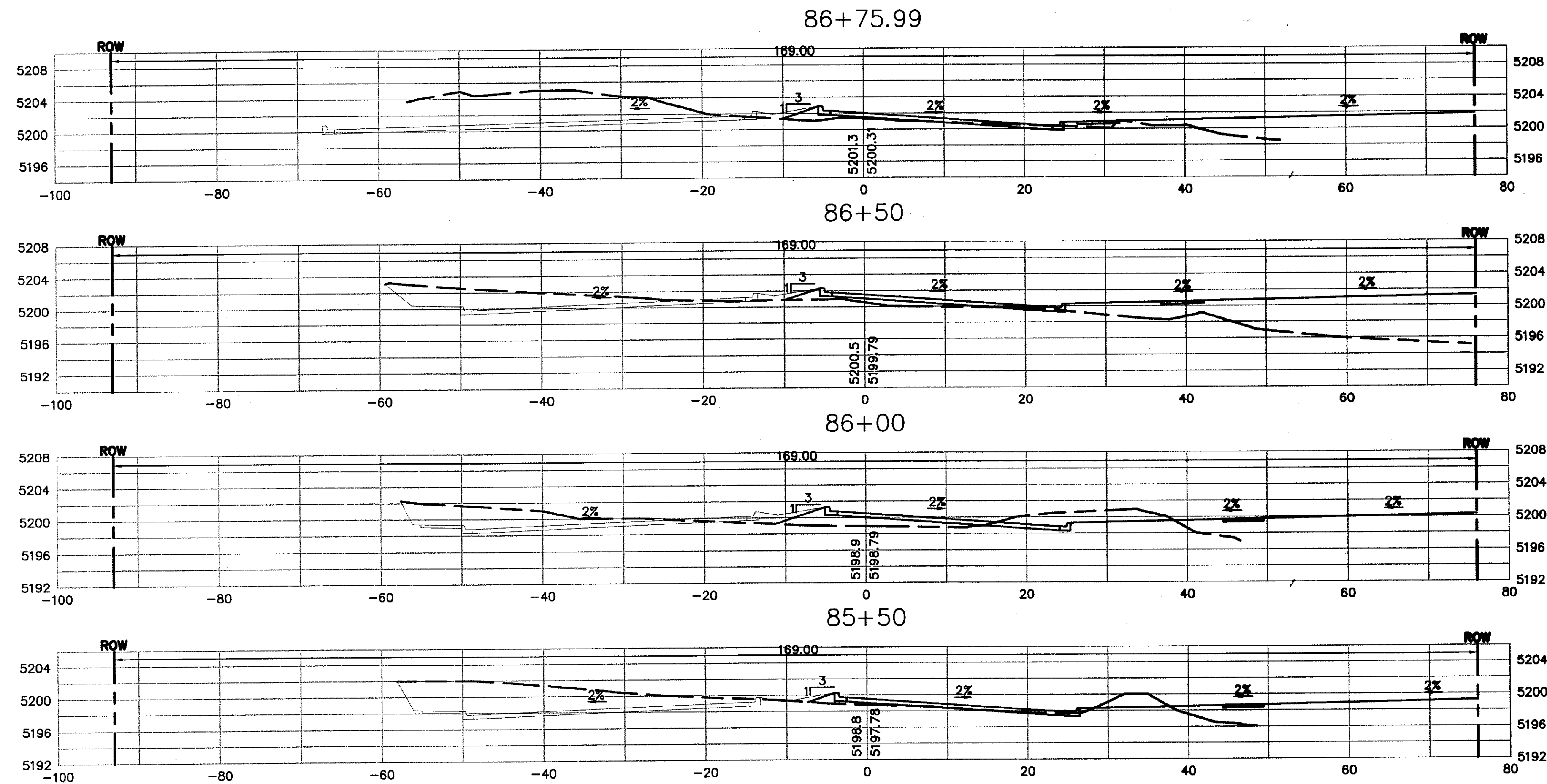


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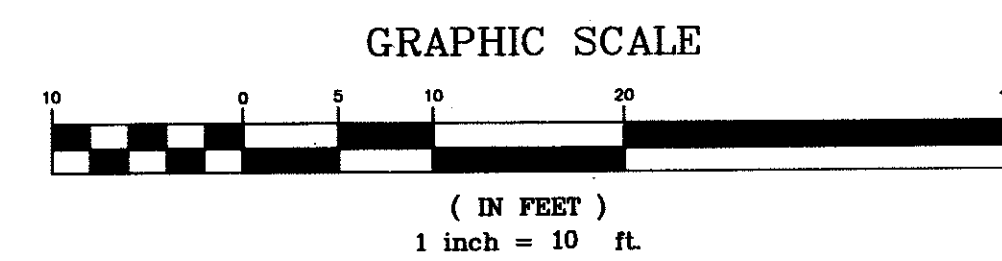
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| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP         |                                          |                    |             |
| WESTSIDE BOULEVARD S.E.<br>ROADWAY CROSS SECTIONS<br>STA 80+50 TO STA 83+00 |                                          |                    |             |
| Design Review Committee                                                     | City Engineer Approval                   | Last Design Update | Mo./Day/Yr. |
| APPROVED<br>MAR 12 2007<br>DESIGN REVIEW COMMITTEE                          | APPROVED<br>MAR 12 2007<br>CITY ENGINEER |                    |             |
| City Project No.                                                            | Zone Map No.                             | Sheet              | Of          |
| 7718.81                                                                     | A-12 & A-13                              | 25B                | 79          |

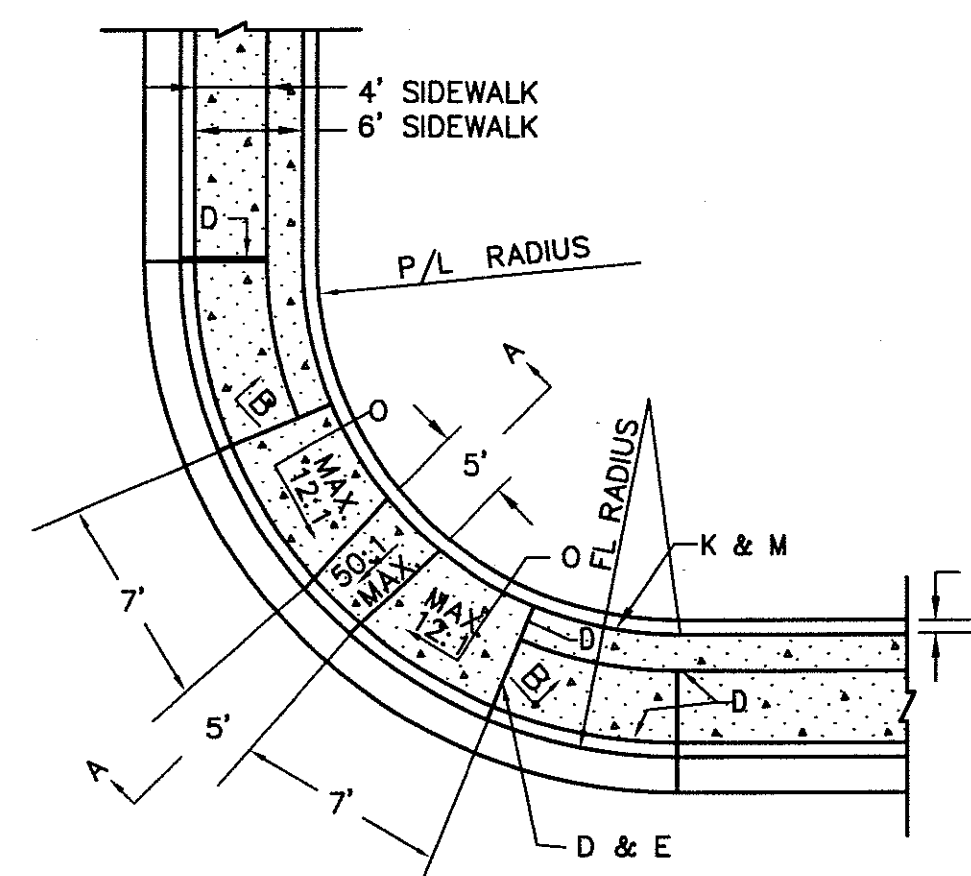


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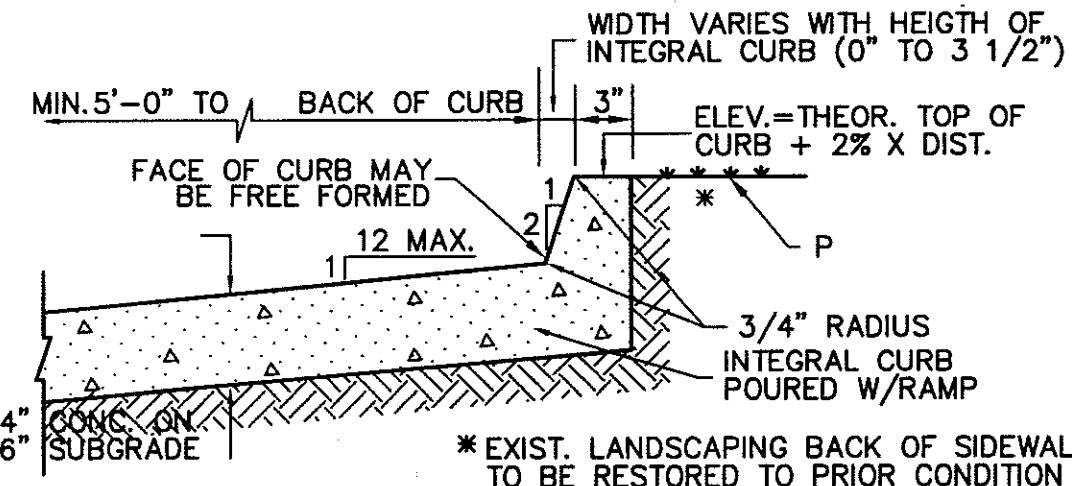
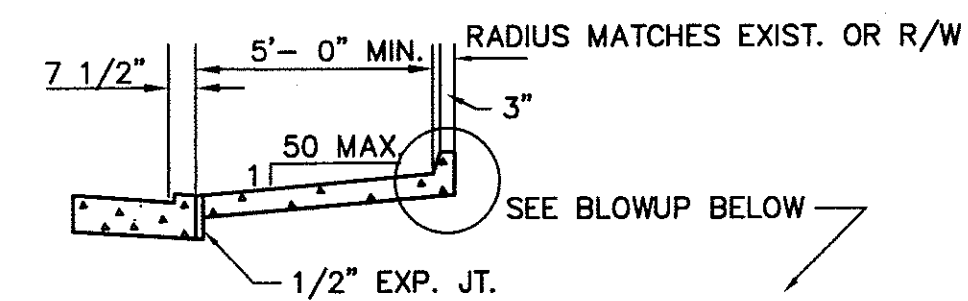


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MAR 2007

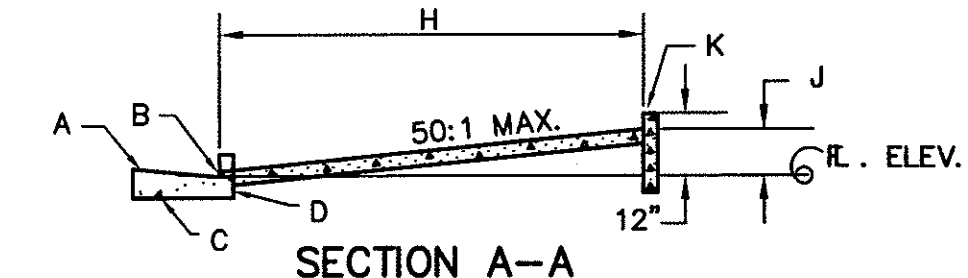
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| Design Review Committee<br>APPROVED<br>MAR 12 2007<br>DESIGN REVIEW COMMITTEE                                                                  |  | City Engineer Approval<br>APPROVED<br>MAR 13 2007<br>CITY ENGINEER  |  |
| City Project No. <b>7718.81</b>                                                                                                                |  | Zone Map No. <b>A-12 &amp; A-13</b>                                 |  |
| Last Design Update                                                                                                                             |  | Mo./Day/Yr.                                                         |  |
| Sheet <b>25C</b> Of <b>79</b>                                                                                                                  |  | Mo./Day/Yr.                                                         |  |



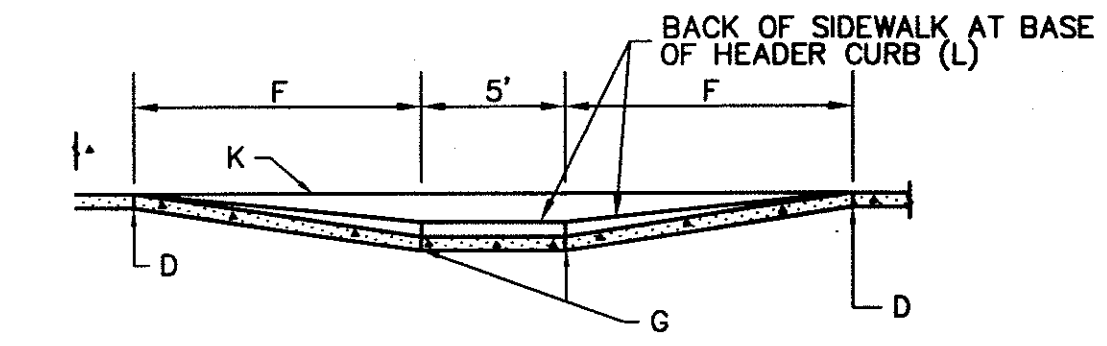
CASE I INSUFFICIENT R.O.W.  
FOR FULL LENGTH RAMP



ALTERNATE SECTION  
A-A



SECTION A-A



SECTION B-B

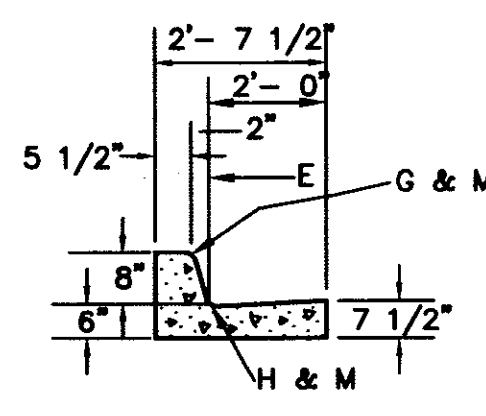
**GENERAL NOTES:**

1. CURB ACCESS RAMPS ARE NORMALLY TO BE LOCATED AT THE CENTER OF THE RETURN OR AS DIRECTED BY THE CITY TRAFFIC ENGINEER.
2. SURFACE TEXTURE OF CURB ACCESS RAMPS SHALL BE OBTAINED BY HEAVY BROOMING (TEXTURE DEPTH .035"), TRANSVERSE TO THE SLOPE OF THE RAMP.
3. GUTTER FLOWLINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP. DRAINAGE CATCH BASIN STRUCTURES SHALL NOT BE PLACED IN LINE WITH THE RAMPS.
4. WIDTH OF SIDEWALK AND RAMP MUST BE MAINTAINED AT A MINIMUM OF 5'-0" THROUGH ENTIRE RAMP LENGTH.

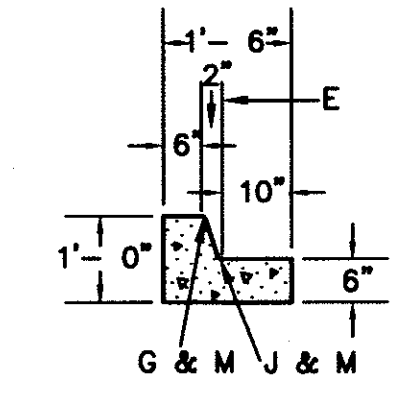
**CONSTRUCTION NOTES:**

- A. SLOPE OF GUTTER DEPENDENT ON REQUIREMENTS FOR VALLEY GUTTER.
- B. 1/4" LIP ABOVE FLOW LINE (VERTICAL), SEE STD DWG 2415.
- C. CURB & GUTTER (SEE STD DWG 2415 GUTTER AT CURB ACCESS RAMP).
- D. 1/2" EXPANSION JOINT.
- E. PARALLEL LINES TOP AND BOTTOM OF RAMP 7' AT FACE OF CURB (SEE STD DWG 2418).
- F. CONTRACTION (DUMMY) JOINT.
- G. VARIES WITH AVAILABLE R.O.W.
- H. VARIABLE.
- I. HEADER CURB, SEE DWG. 2415A.
- J. BACK OF SIDEWALK.
- K. BACK OF SIDEWALK RADIUS TO BE ESTABLISHED SO AS TO MAINTAIN A 5'-0" RAMP WIDTH (MINIMUM) OR NONE THROUGHOUT. SEE STD. DWG 2440 (NOTE 5) IF LESS THAN 5'-0" IS AVAILABLE DUE TO UNTIMELY UNESOL WHOLE CONSTRAINTS.
- L. 12:1 SLOPE MAXIMUM ON RAMP.
- M. ANY PRIVATE LANDSCAPING OR IRRIGATION SHALL BE RESTORED TO A 5'-0" RAMP WIDTH (MINIMUM) OR ORIGINAL CONDITION. SHOULD ANY PRIVATE IMPROVEMENT NEED TO BE REMOVED, OWNER MUST BE NOTIFIED.

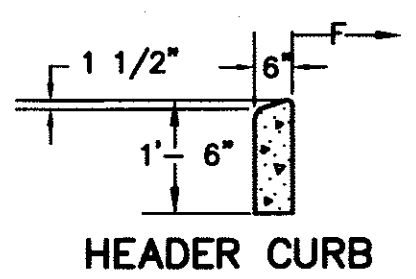
| Δ R | Δ CURB | Δ RADIUS | Δ CURB WIDTH | Δ BACKSLOPE | Δ RADIUS |
|-----|--------|----------|--------------|-------------|----------|
| 90° | 25'    | 25'      | 4'           | 25'         | 25'      |
| 90° | 22'    | 22'      | 4'           | 22'         | 22'      |
| 90° | 20'    | 20'      | 4'           | 20'         | 20'      |
| 90° | 18'    | 18'      | 4'           | 18'         | 18'      |



STANDARD C&G.



MEDIAN C&G.



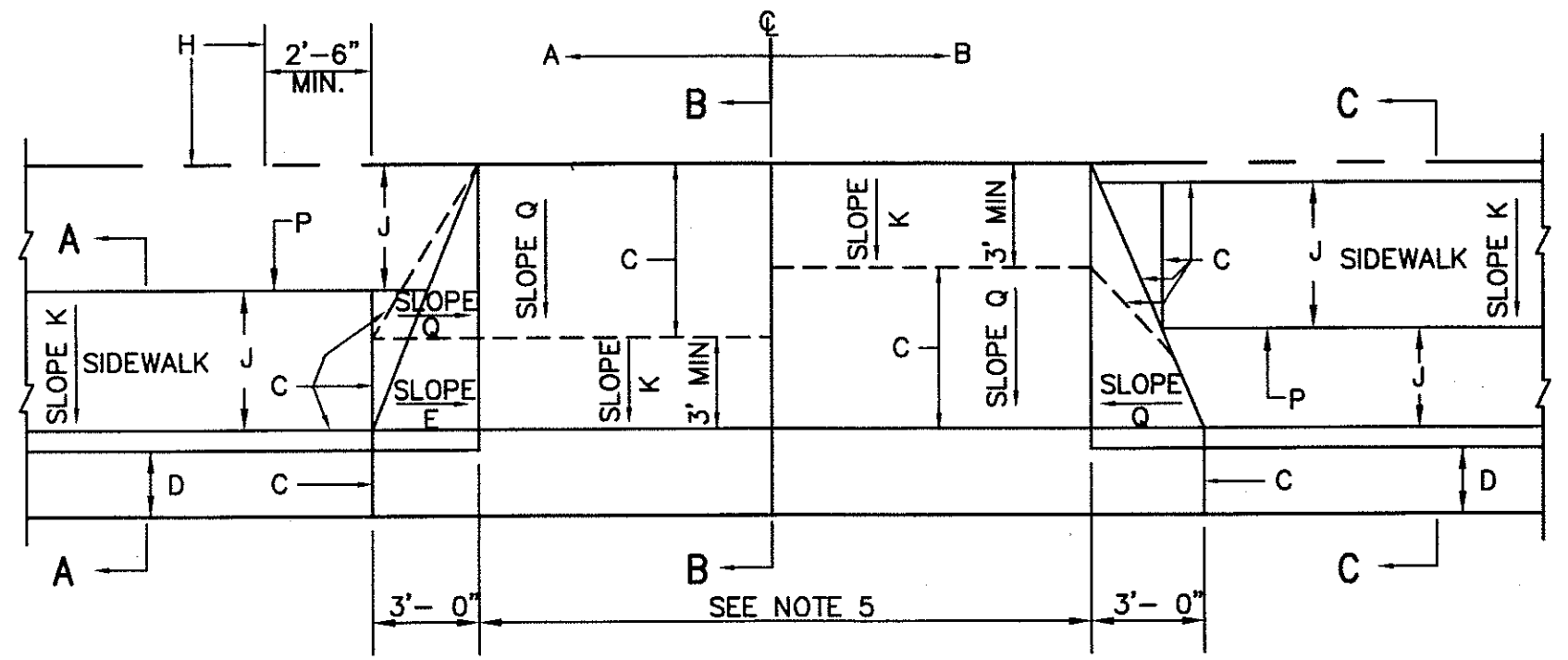
HEADER CURB

**GENERAL NOTES:**

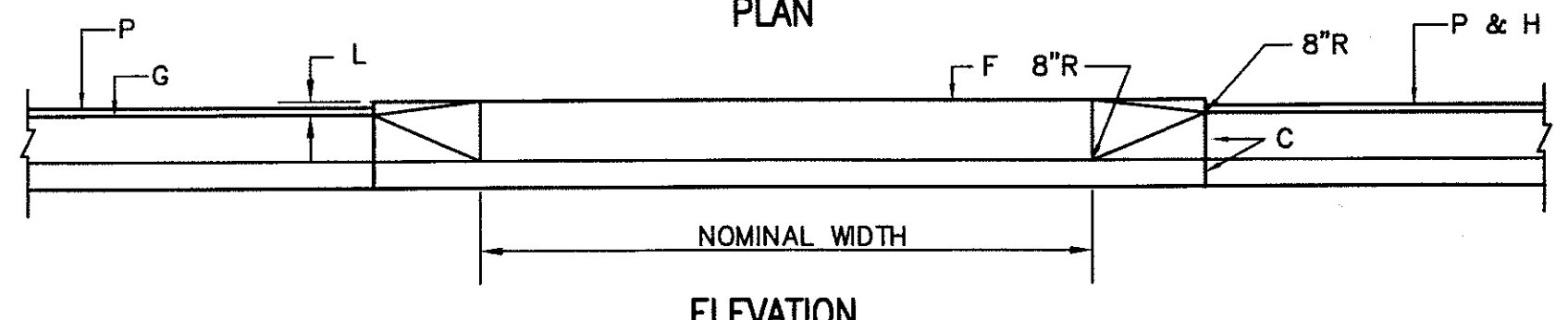
1. CURBS, GUTTERS & CUT-OFF WALL TO BE CONSTRUCTED OF P.C.C.
2. FOR STANDARD AND MEDIAN C&G ADJACENT TO ASPHALT CONCRETE PAVEMENT PROVIDE CONTRACTION JTS. 12" MAX., SPACING, 1/2" EXP. JTS. AT CURB RETURNS AND AT A MAXIMUM SPACING OF 120' BETWEEN CURB RETURNS & EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS. CONTRACTION JTS. SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT FINISHED FACES.
3. FOR C&G CUT-OFF WALL PROVIDE CONTRACTION JTS. AT 10' MAX. SPACING, 1/2" EXP. JTS. AT CURB RETURNS AND AT MAX. SPACING OF 100' BETWEEN CURB RETURNS & EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS. CONTRACTION JTS. SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT ALL FINISHED FACES. REINFORCEMENT SHALL NOT BE USED IN CUT-OFF WALLS.
4. FOR C&G CONSTRUCTED WITH PORTLAND CEMENT CONCRETE PAVEMENT, CONTRACTION JTS. SHALL BE THE SAME AS THE PAVEMENT JOINTS.
5. ALL EDGES SHALL BE EDGED WITH A 3/8" RADIUS EDGING TOOL.
6. STANDARD C&G SHALL BE USED FOR NEW CONSTRUCTION UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER.
7. REMOVE AND REPLACE PAVEMENT 1' WIDE ADJACENT TO LIP OF GUTTER WHEN CONSTRUCTING C & G ADJACENT TO EXISTING ASPHALT CONCRETE PAVEMENT.
8. 1/4" ISOLATION JOINT SHALL BE PLACED BETWEEN SIDEWALK AND C&G WHEN CAST ADJACENT TO EACH OTHER.
9. ADA=AMERICAN WITH DISABILITIES ACT

**CONSTRUCTION NOTES:**

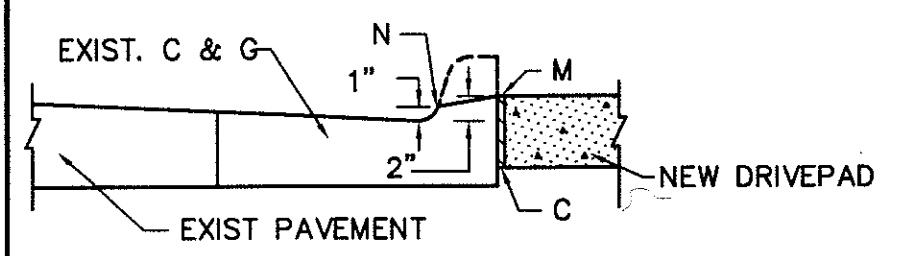
- A. REQ. CONC. CHANNEL LINING, OR CUT-OFF WALL PROVIDE 1/4" EXP. JT. BETWEEN BACK OF CURB & CONC. LINING AND/OR WALL.
- B. VARIABLE, DEPRESS AS NEEDED.
- C. DRIVE NO. 4 BARS 18" DEEP IN HOLES DRILLED 2" O.C. IN EXIST. PAVEMENT, SEAL WITH EPOXY.
- D. EXIST. A.C. OR P.C.C. PAVEMENT.
- E. THEORETICAL FACE OF CURB OR FLOWLINE.
- F. TRAFFIC SIDE.
- G. 3/4" RADIUS.
- H. 1 1/2" RADIUS.
- J. 2" RADIUS.
- K. 24" RADIUS.
- L. TACK COAT.
- M. DIMENSIONS AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.
- N. 4" A.C., 75BLOW/1800 LBS. STABILITY ON TEMPORARY PAVEMENT. 2" A.C., 50BLOW/1500 STABILITY ON BICYCLE PATHS.
- P. 8" SCARIFIED AND COMPACTED SUBGRADE. 95% MINIMUM COMPACTION AT OPTIMUM MOISTURE +/- 2%, ATSM D1557, OR OPTIMUM MOISTURE TO +4 ATSM D698, FOR SOILS WITH 35% OR GREATER MATERIAL PASSING THE NO. 200 SIEVE.
- Q. ASPHALT CONCRETE PAVEMENT.
- R. #4 X CONT. BETWEEN JOINTS.
- S. #3 PIN AT 3'-0" O.C. W/STD. HOOK.



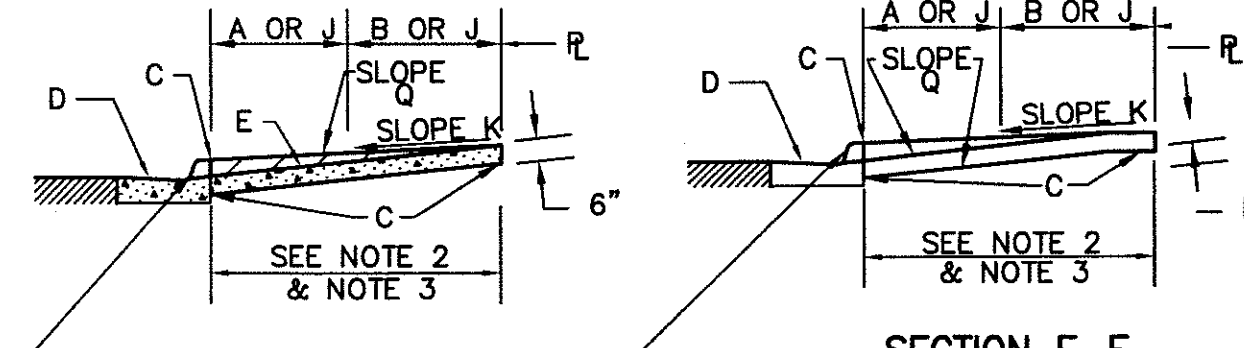
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ELEVATION

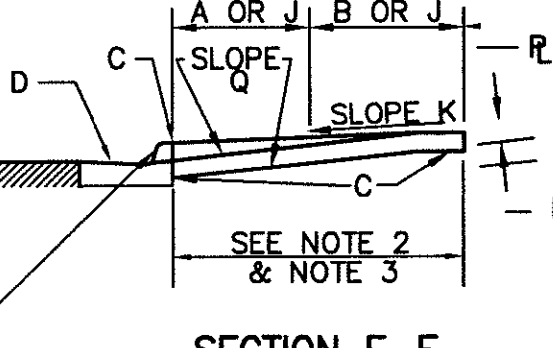


SECTION A-A



SECTION B-B

(ADA COMPLIANCE NOT REQUIRED OR POSSIBLE WO/ADDITIONAL ROW ACQUIS)



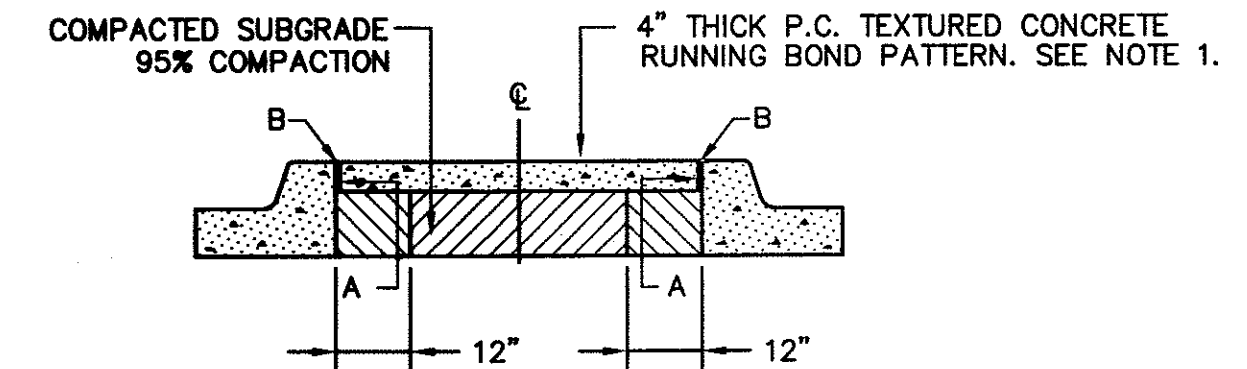
SECTION C-C

**GENERAL NOTES:**

1. DEVIATIONS FROM THESE STANDARDS SHALL BE SUBMITTED TO THE CITY ENGINEER AND/OR TRAFFIC ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
2. REQUEST FOR SIDEWALK VARIANCES SHALL BE SUBMITTED TO THE DEVELOPMENT REVIEW BOARD.
3. USE 1/2" EXP. JT. WHERE SIDEWALK OR DRIVEPAD ABUTS BLDGS., FENCES, WALLS OR OTHER IMMOVABLE OBJECTS.
4. ALL DRIVEPADS SHALL BE A MIN. THICKNESS OF 6" AND SHALL BE CONSTRUCTED FROM BACK OF CURB TO P/L.
5. DRIVEPADS WIDER THAN 18' (NOMINAL) SHALL HAVE A 1/2" EXP. JT. AT MIDPOINT. DRIVEPADS WIDER THAN 36' SHALL HAVE 2 OR MORE 1/2" EXP. JTS. EQUALLY SPACED, MAX., SPACING IS 18' APART.
6. SIDEWALK AT THE BACK OF CURB SHALL BE USED ONLY WHEN VARIANCE IS APPROVED.
7. FOR SIDEWALK WIDTH, SEE CHAPTER 23 THE DEVELOPMENT PROCESS MANUAL.
8. SUBGRADE UNDER SIDEWALK & DRIVEPAD SHALL BE COMPACTED AS PER SECTION 301.
9. ADA-AMERICANS WITH DISABILITIES ACT.

**CONSTRUCTION NOTES:**

- A. CURB TYPE SIDEWALK.
- B. OFFSET SIDEWALK.
- C. 1/2" EXPANSION JOINT ADJACENT TO FIELD CONDITIONS ON REPLACEMENT WORK.
- D. CURB AND CUTTER.
- E. SLOPE TO BE ADJUSTED TO PROVIDE A UNIFORM TRANSITION BETWEEN SIDEWALK AND DRIVEPAD. [NOT TO EXCEED 1 (VERTICAL) TO 12 (HORIZONTAL)].
- F. TOP OF DRIVEPAD.
- G. TOP OF CURB.
- H. PROPERTY LINE.
- I. VARIABLE WIDTH.
- J. SLOPE 1 (VERTICAL) TO 50 (HORIZONTAL) FROM TOP OF CURB TO TOP OF DRIVEPAD, AND ANY DEVIATION FROM THIS SLOPE MUST BE APPROVED BY THE CITY ENGINEER.
- K. THE FINISH GRADE ELEVATION DIFFERENCE BETWEEN TOP OF DRIVEPAD AT PROPERTY LINE AND TOP OF CURB AS DETERMINED BY A SLOPE OF 1 (VERTICAL) TO 50 (HORIZONTAL) FROM TOP OF CURB TO TOP OF DRIVEPAD, AND ANY DEVIATIONS FROM THIS SLOPE MUST BE APPROVED BY THE CITY ENGINEER.
- L. SAW CUT EXISTING CONCRETE FROM BACKSIDE OF CURB WITH SLOPE TOWARD FLOWLINE.
- M. EXPOSED CUT EDGES SHALL BE GROUND SMOOTH/ROUNDED TO REMOVE SHARP EDGE.
- N. OUTSIDE EDGE OF SIDEWALK.
- O. SLOPE REQUIRED TO MEET GIVEN OR SET BOUNDARY ELEVATIONS (PROPERTY LINE OR DOC. ECT.).



CONCRETE MEDIAN PAVING SECTION

**GENERAL NOTES:**

1. PORTLAND CEMENT CONCRETE (PCC) MEDIAN PAVEMENT SHALL BE TEXTURED CONCRETE RUNNING BOND PATTERN TRANSVERSE TO CENTERLINE. COLOR AS SPECIFIED.

**CONSTRUCTION NOTES:**

- A. 1/2" EXPANSION JOINT MATERIAL.
- B. RECESS EXPANSION JOINT MATERIAL 1" VERTICALLY AND SEAL JOINT WITH SIKAFLEX POLYMER SEALANT OR APPROVED EQUAL.

WILSON & COMPANY  
2600 THE AMERICAN ROAD SE  
SUITE 100  
RIO RANCHO, NEW MEXICO  
87124  
(505) 898-8021  
www.wilsonco.com

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

WESTSIDE BOULEVARD S.E.  
TRANSPORTATION DETAILS

Design Review Committee

MAR 12 2007

DESIGN REVIEW COMMITTEE

City Engineer Approval

CITY ENGINEER

Mo./Day/Yr.

Mo./Day/Yr.

City Project No.

7718.81

Zone Map No.

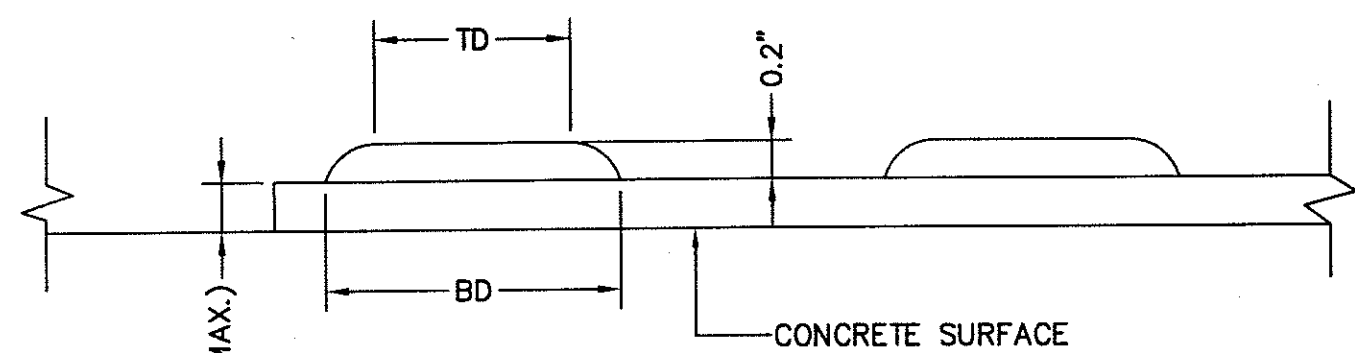
A-12 & A-13

Sheet

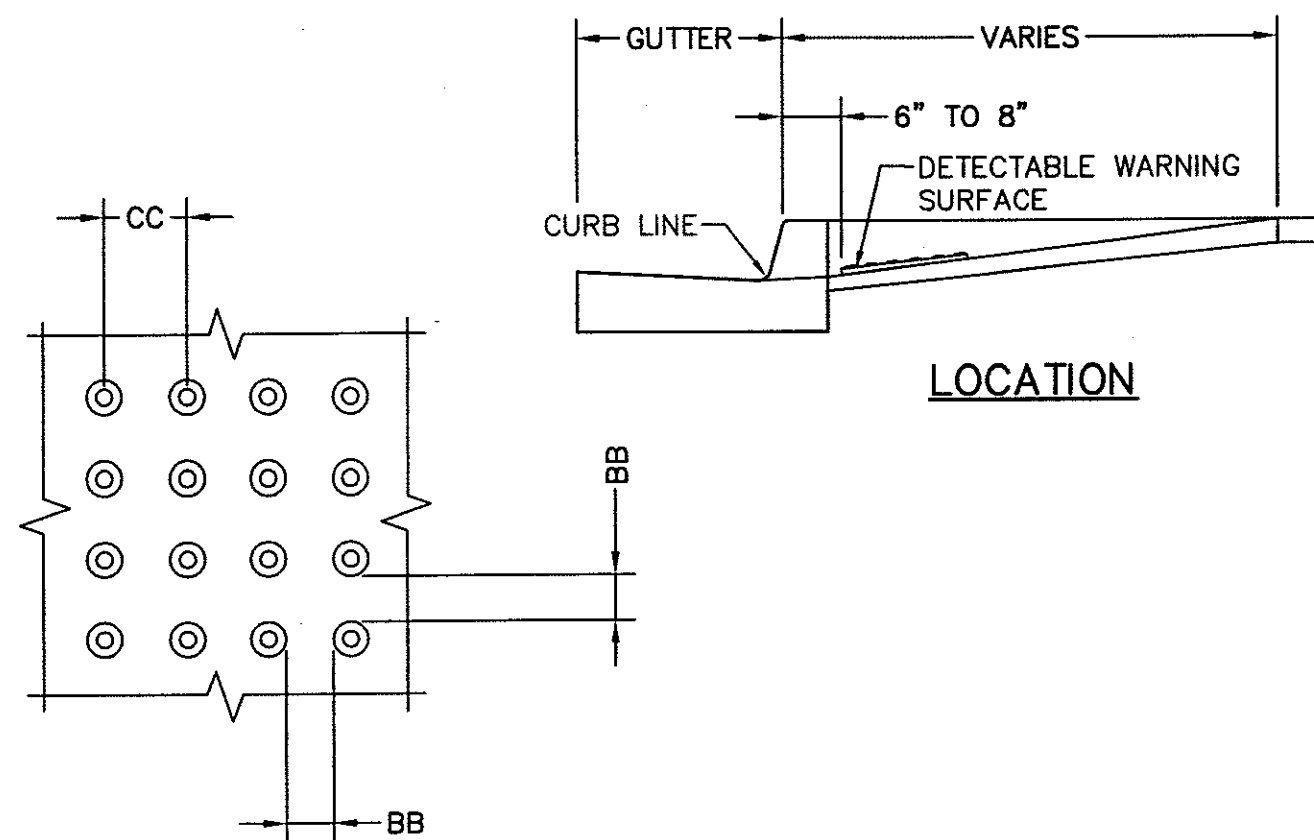
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Of

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**DOME SECTION**  
 BD - BASE DIAMETER  
 0.9" MIN. TO 1.4" MAX  
 TD - TOP DIAMETER  
 50% OF BD MIN TO 65% OF BD MAX



**DOME SPACING**  
 CC - CENTER TO CENTER SPACING  
 1.6" MIN. TO 2.4" MAX  
 BB - BASE TO BASE SPACING  
 0.55" MIN

**DOME SPACING**  
 DETECTABLE WARNING SURFACES SHALL EXTEND 24" MIN. IN THE DIRECTION OF TRAVEL AND FULL WIDTH OF THE CURB RAMP, LANDING, OR TRANSITION. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE CROSS WALK TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

# **DEFINITIONS:**

DETECTABLE WARNINGS - A SURFACE FEATURE BUILT IN OR APPLIED TO WALKING SURFACES OR OTHER ELEMENTS TO WARN OF HAZARDS ON A CIRCULATION PATH TO AID PERSONS WITH VISUAL IMPAIRMENTS

CURB LINE - A LINE AT THE FACE OF THE CURB THAT MARKS THE TRANSITION BETWEEN THE SIDEWALK AND THE GUTTER OR ROADWAY

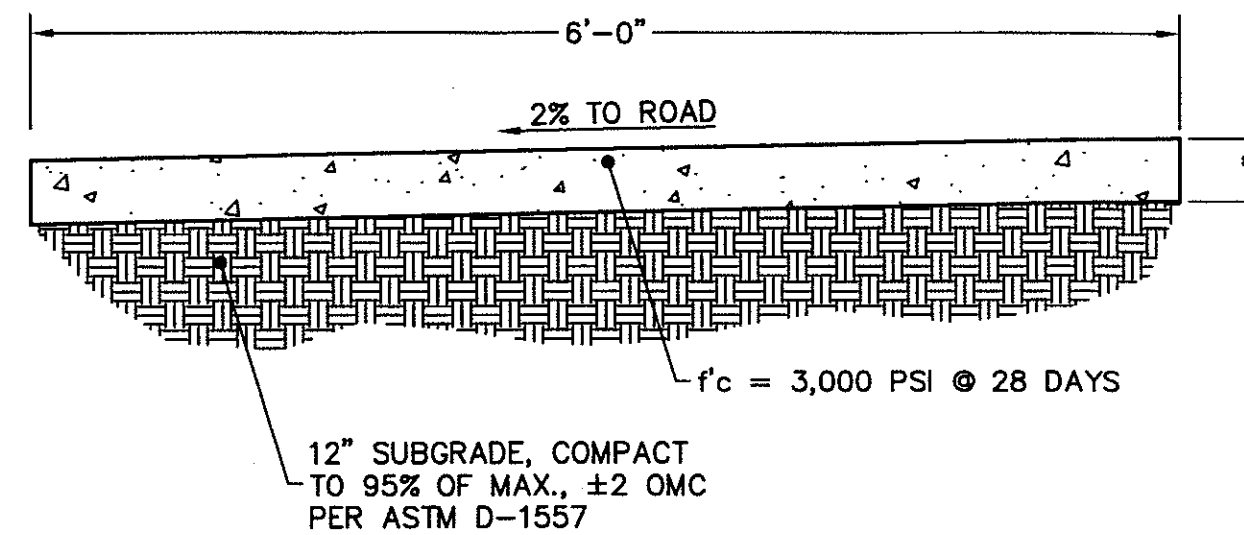
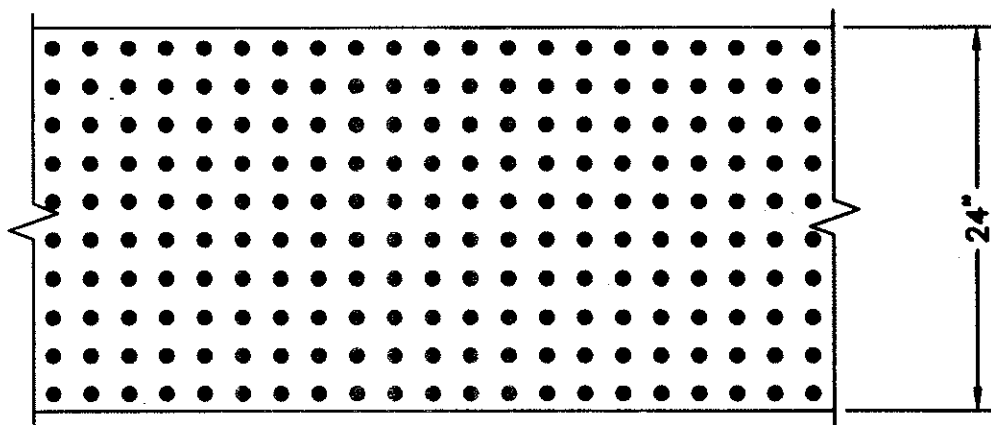
## **LOCATION:**

1. DETECTABLE WARNING SURFACES SHALL BE PROVIDED WHERE A CURB RAMP OR LANDING CONNECTS TO A CROSSWALK AND OR PEDESTRIAN ROUTE CROSSING A ROADWAY.
2. DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 6" (150 MM) MINIMUM AND 8" (205 MM) MAXIMUM FROM THE CURB LINE.
3. MEDIAN AND REFUGE ISLANDS SHALL HAVE DETECTABLE WARNINGS. DETECTABLE WARNINGS AT CUT THROUGH ISLAND SHALL BE SEPERATED BY A 24" (610 MM) MINIMUM LENGTH OF WALKWAY WITHOUT WARNINGS

EXCEPTION: DETECTABLE WARNINGS SHALL NOT BE REQUIRED ON CUT THROUGH ISLANDS WHERE THE CROSSINGS ARE CONTROLLED BY SIGNALS AND ARE TIMED FOR FULL CROSSING ON MEDIANS LESS THEN 7' WIDE

## **NOTES:**

1. DETAILS SPECIFIED ON THIS PLAN APPLY TO ALL CONSTRUCTION OR RECONSTRUCTION OF STREETS, CURBS, OR SIDEWALKS BY ALL PUBLIC AGENCIES AND BY ALL PRIVATE ORGANIZATIONS CONSTRUCTING FACILITIES FOR PUBLIC USE.
2. SIDEWALK RAMPS ARE TO BE LOCATED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. THE TOP OF THE JOINT FILLER FOR ALL RAMP TYPES SHALL BE FLUSH WITH THE ADJACENT CONCRETE.
4. ALL PRODUCTS USED FOR THE DETECTABLE WARNING SURFACES SHALL BE ON THE DEPARTMENT'S APPROVED PRODUCT LIST.
5. PRODUCTS SHALL BE CAST-IN-TACT AND RED IN COLOR.



**TYPICAL SIDEWALK DETAIL**  
 SCALE: 1"=1'-0"

## **CONSTRUCTION NOTES:**

1. INSTALL CONTRACTION JOINTS @ 5'-0" O.C.
2. INSTALL 1/2" BITUMINOUS EXPANSION JOINT @ 30'-0" O.C.
3. SURFACE TEXTURE OF SIDEWALK SURFACE SHALL BE OBTAINED BY LIGHT BROOMING.
4. INSTALL 1/2" BITUMINOUS EXPANSION JOINT BETWEEN 4" PCC SIDEWALK AND ALL ADJOINING HARD SURFACES.

## **NEW CONSTRUCTION - GENERAL NOTES:**

- 1.1 THESE DRAWINGS PROVIDE GUIDANCE FOR COMPLIANCE WITH THE CURRENT AMERICANS WITH DISABILITIES ACT (ADA) AND STATE CODE. THESE STANDARDS SHALL APPLY TO ALL NEW AND ALTERED SIDEWALKS.
- 2.1 ANY DESIGN DEVIATION FROM THESE STANDARDS SHALL BE APPROVED BY THE NMDOT ADA COMPLIANCE COMMITTEE.
- 3.1 SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT, SIDEWALK AND CURB RAMP SURFACES SHALL PROVIDE CONSISTENT SLOPES WITHIN EACH SECTION.
- 4.1 ALL BROOM FINISHES SHALL BE PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL.
- 5.1 A VERTICAL CHANGE OF 1/4 INCH (9mm) OR LESS IS ALLOWED. IF BETWEEN 1/4 INCH AND 1/2 INCH (6mm AND 13mm), THEN IT NEEDS TO BE BEVELED 2:1. CHANGES GREATER THAN 1/2 INCH SHALL BE RAMPED.
- 6.1 OPENING OR CRACKS IN SIDEWALK SURFACES SHALL NOT EXCEED 1/2 INCH (13)mm. ELONGATED OPENING SHOULD BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR OR DIAGONAL TO THE DOMINANT DIRECTION OF TRAVEL.

## **SIDEWALKS**

- 7.1 SIDEWALKS, CURB AND GUTTER CONSTRUCTION SHALL BE IN ACCORDANCE WITH SERIAL BSCG-001. (SWCG-001).
- 8.1 THE LEAST POSSIBLE SLOPES SHALL BE USED FOR SIDEWALKS, SIDEWALK RUNNING SLOPE SHALL NOT EXCEED 5% (20:1). AT LOCATIONS WHERE THE RIGHT-OF-WAY IS RESTRICTIVE, THE SIDEWALK RUNNING SLOPE MAY FOLLOW THE ROAD PROFILE.
- 9.1 SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% (50:1).

- 10.1 SIDEWALKS SHALL HAVE A MINIMUM WIDTH OF 60", EXCLUDING THE CURB. EXCEPTION: A 36" WIDE SIDEWALK MAY BE USED WHERE THE RIGHT-OF-WAY IS RESTRICTED, WHERE THE SIDEWALK IS LESS THAN 60" WIDE. A PASSING SPACE SHALL BE PROVIDED EVERY 20 LINEAR FEET, WHEREVER FEASIBLE. PASSING SPACES SHALL BE A MINIMUM OF 60"x60" WITH 45 DEGREE TRANSITION TAPERS, 5% (20:1) MAXIMUM RUNNING SLOPES, AND 2% (50:1) MAXIMUM CROSS SLOPES.

- 11.1 ANY SIGN POSTS, UTILITY POLES, FIRE HYDRANTS, TRAFFIC SIGNAL STANDARDS, LIGHT POLES, ETC. IN THE SIDEWALK SHALL NOT REDUCE THE CLEAR WIDTH TO LESS THAN 32" FOR MORE THAN 24" LENGTH.

## **CURB RAMPS**

- 12.1 THE LEAST POSSIBLE CURB RAMP SLOPE SHALL BE USED, FOR COMPLIANCE WITH NMDOT PEDESTRIAN ACCESS DETAILS, CURB RAMP RUNNING SLOPE SHALL NOT EXCEED 6.7% (15:1), WHERE EXISTING TERRAIN IS STEEP. CURB RAMPS NEED NOT EXCEED 15 FEET IN LENGTH.
- 13.1 PROVIDE A FLUSH TRANSITION BETWEEN RAMPS, SIDEWALKS, GUTTER, AND EDGE OF PAVEMENT, FREE OF DRAINAGE LIP. ABRUPT GRADE CHANGES, DROP-OFFS, OR ANY SURFACE IRREGULARITIES. A 5% (20:1) OR FLATTER TRANSITION TAPER SHALL BE PROVIDED FROM THE STREET TO THE GUTTER FOR CURB RAMP LOCATION (THIS MAY REQUIRE SPECIAL TREATMENT OF THE EDGE OF O.G.F.C.) WHEN DIAGONAL (NOT IN LINE WITH CROSSWALKS) RAMPS ARE NECESSARY. A 2% (50:1) TRANSITION OR "LOWER LANDING" SHALL BE PROVIDED. THE GUTTER RUNNING SLOPE (FLOW LINE) SHALL NOT EXCEED 2% MEASURED ALONG THE BOTTOM OF THE RAMP.

- 14.1 CURB RAMPS SHALL BE LOCATED TO PROVIDE THE MOST DIRECT ROUTE OF TRAVEL ACROSS THE TRAFFIC LANES.
- 15.1 TWO DIRECTIONAL (IN LINE WITH THE CROSSWALKS) RAMPS PER CORNER ARE USED IN ORDER TO PROVIDE SHORT AND DIRECT CROSSINGS FOR THE USER.
- 16.1 SIGN POSTS, UTILITY POLES, FIRE HYDRANTS, TRAFFIC SIGNAL STANDARDS, IN THE CURB RAMP INCLUDING SIDE FLARES AND LANDINGS.
- 17.1 IN ORDER TO BETTER ACCOMMODATE CONDITIONS IN THE FIELD, THE CONTRACTOR SHALL OBTAIN FINAL APPROVAL OF CURB RAMP LOCATION FROM THE PROJECT MANAGER AND THE DISTRICT TRAFFIC ENGINEER. WHEN NECESSITATED BY EXISTING PHYSICAL CONDITIONS, ALTERNATE CURB RAMPS MUST BE SUBMITTED TO THE PROJECT MANAGER FOR APPROVAL BY THE DISTRICT TRAFFIC ENGINEER.

## **LANDINGS**

- 18.1 LANDING SHALL BE A MINIMUM OF 60"x 60". SLOPES SHALL NOT EXCEED 2% (50:1) IN ALL DIRECTIONS.

## **CROSSWALKS**

- 19.1 ACCESSIBLE PEDESTRIAN CROSSING SHALL BE WITHIN THE MARKED CROSSWALK.

## **DETECTABLE WARNINGS**

- 20.1 DETECTABLE WARNINGS ARE REQUIRED AT ALL STREET INTERSECTIONS, SIGNALIZED DRIVEWAYS, COMMERCIAL DRIVEWAYS 30' WIDE OR GREATER, AND MARKED MID-BLOCK CROSSWALKS.

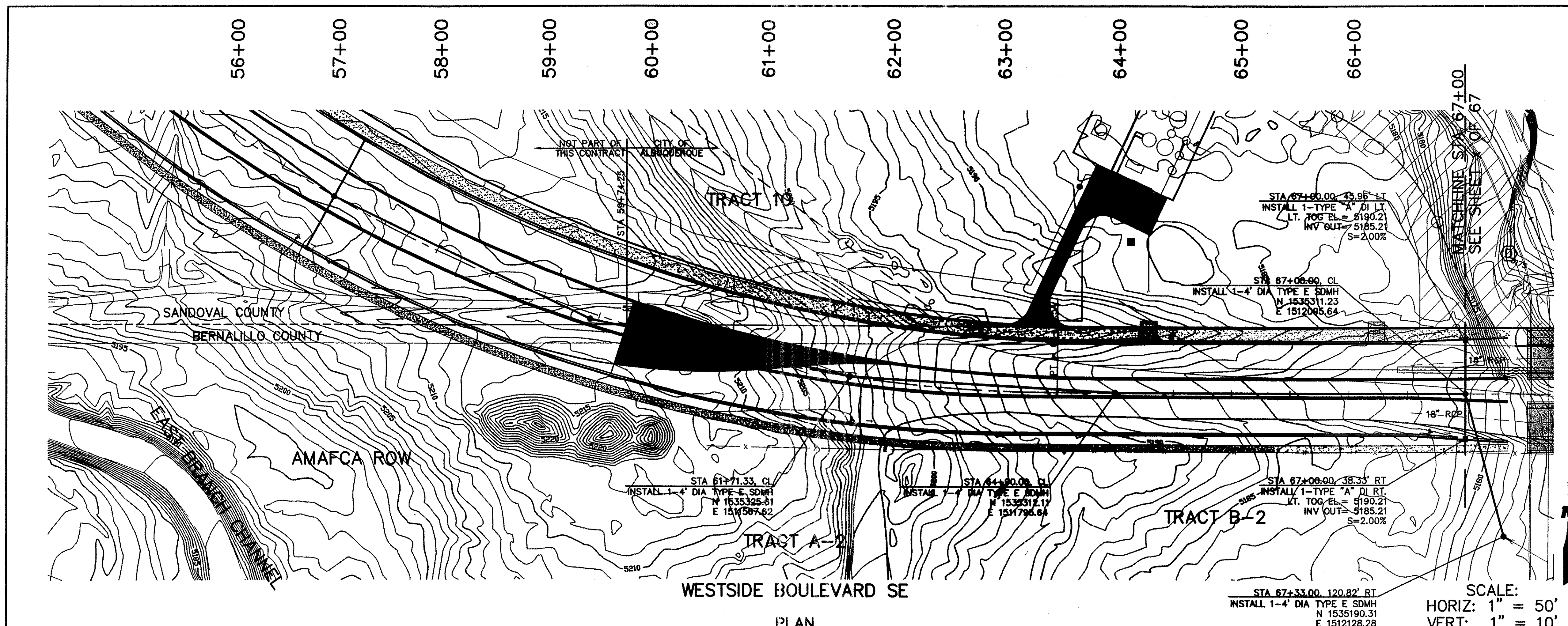
## **ALTERATIONS TO EXISTING FACILITIES - GENERAL NOTES:**

ADDITIONS OR ALTERATIONS TO ANY FACILITY SHALL CONFORM TO THE REQUIREMENTS FOR THE NEW CONSTRUCTION STANDARDS WITHIN THE NMDOT PEDESTRIAN ACCESS DETAILS. ADDITIONS OR ALTERATIONS SHALL NOT BE MADE TO AN EXISTING FACILITY WITH WILL CAUSE THE EXISTING FACILITY TO BE IN VIOLATION OF ANY PROVISION OF THE NMDOT PEDESTRIAN ACCESS DETAILS. WHERE IT IS TECHNICALLY INFEASIBLE TO COMPLY WITH NEW CONSTRUCTION STANDARDS FOR THE NMDOT PEDESTRIAN ACCESS DETAILS THE FOLLOWING OPTIONS MAY BE USED:

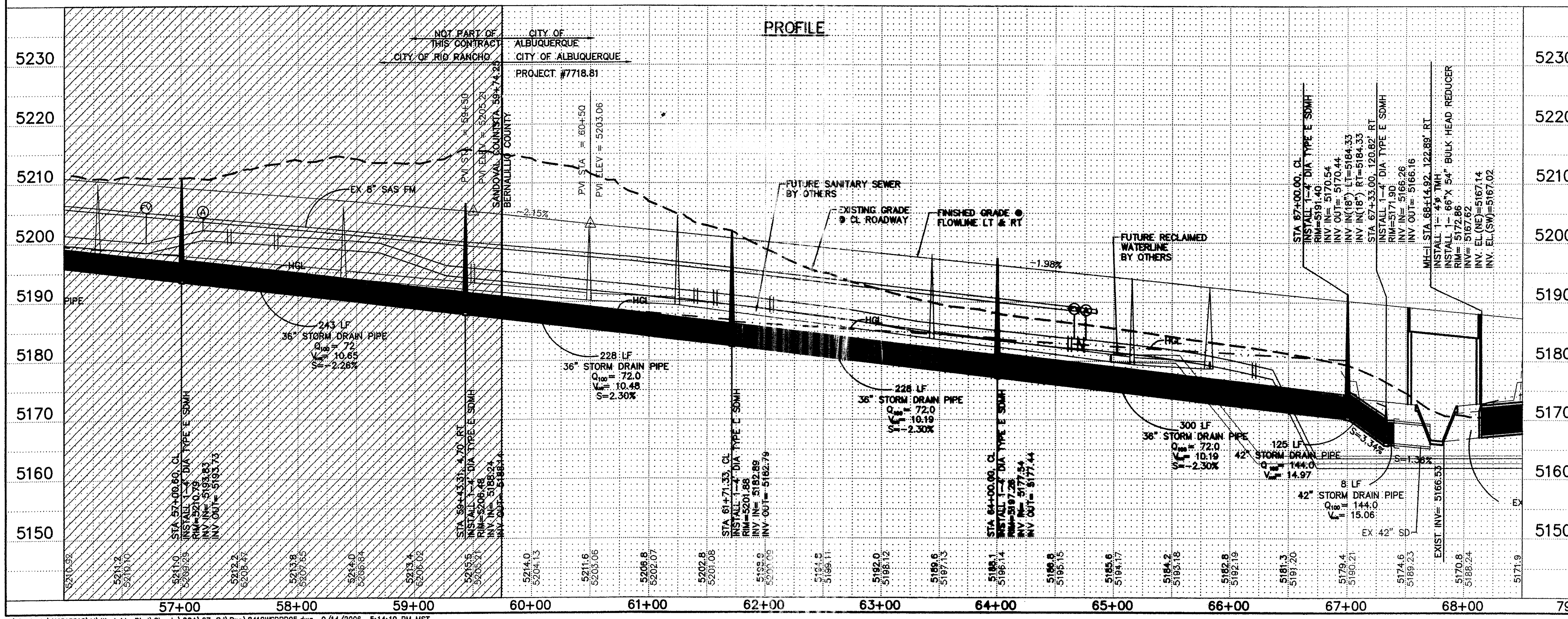
- 21.1 WHERE IT IS NOT FEASIBLE TO INSTALL TWO CURB RAMPS PER CORNER. A SINGLE DIAGONAL CURB RAMP MAY BE USED AFTER RECEIVING APPROVAL FROM THE NMDOT ADA COMPLIANCE COMMITTEE.
- 22.1 WHERE RIGHT-OF-WAY IS RESTRICTED. CURB RAMP LANDING MAY BE 4' X 4'.
- 23.1 DEFINITION OF TECHNICALLY INFEASIBLE: IN THE CONTEXT OF THESE DRAWINGS, WITHIN A ROADWAY OR IMMEDIATE ROADSIDE ENVIRONMENT. MEANS WITH RESPECT TO AN ALTERATION OF A FACILITY, THAT IT HAS LITTLE LIKELIHOOD OR BEING ACCOMPLISHED BECAUSE EXISTING SITE CONDITIONS WOULD REQUIRE SUBSTANTIALLY ALTERING EXISTING DRAINAGE PATTERNS: TRAFFIC FLOW OR SAFETY; OR BECAUSE OTHER EXISTING PHYSICAL INFRASTRUCTURE OR SITE CONSTRAINTS PROHIBIT MODIFICATION OR ADDITION OF ELEMENTS, SPACE OR FEATURES WITH ARE IN FULL AND STRICT COMPLIANCE THE MINIMUM REQUIREMENTS FOR NEW CONSTRUCTION AND WHICH ARE NECESSARY TO PROVIDE ACCESSIBILITY.
- 24.1 WHERE RIGHT-OF-WAY IS RESTRICTED. CURB RAMP SLOPES MAY BE 12:1.

|                                                                                                                                             |                                                                     |                                                        |                                            |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------|----------------------|
| <b>WILSON &amp; COMPANY</b><br>2600 THE AMERICAN ROAD SE<br>SUITE 100<br>RIO RANCHO, NEW MEXICO 87124<br>(505) 898-8021<br>www.wilsonco.com | CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP |                                                        |                                            |                      |
|                                                                                                                                             | <b>WESTSIDE BOULEVARD S.E.</b><br><b>TRANSPORTATION DETAILS</b>     |                                                        |                                            |                      |
|                                                                                                                                             | Design Review Committee<br>MAR 12 2007<br>DESIGN REVIEW COMMITTEE   | City Engineer Approval<br>MAR 12 2007<br>CITY ENGINEER | Last Design Update<br>Mo./Day/Yr.<br>_____ | Mo./Day/Yr.<br>_____ |
|                                                                                                                                             | City Project No.<br><b>7718.81</b>                                  | Zone Map No.<br><b>A-12 &amp; A-13</b>                 | Sheet<br><b>27</b>                         | Of<br><b>79</b>      |

WCEA #X421801201  
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- LEGEND (EXISTING)**
- EXISTING LOT LINE
  - EXISTING CURB & GUTTER
  - EXISTING BUILDING
  - EXISTING FENCE
  - EXISTING EDGE OF PAVEMENT
  - EXISTING PAVEMENT/CURB & GUTTER TO BE REMOVED
  - EXISTING INDEX CONTOUR
  - EXISTING INTERMEDIATE CONTOUR
  - EXISTING TRAFFIC SIGNAL MASTARM
- LEGEND (PROPOSED)**
- PROPOSED ROADWAY CENTERLINE
  - PROPOSED CURB & GUTTER
  - PROPOSED ROW
  - PROPOSED CABEZON BOUNDARY
  - PROPOSED 10'-0" TRAIL
  - PROPOSED COLORED, STAMPED PCC
  - PROPOSED 6'-0" SIDEWALK
  - PROPOSED WHEEL CHAIR RAMPS & RETURN



**LEGEND (EXISTING)**

|     |                                               |
|-----|-----------------------------------------------|
| --- | EXISTING LOT LINE                             |
| --- | EXISTING CURB & GUTTER                        |
| --- | EXISTING BUILDING                             |
| --- | EXISTING FENCE                                |
| --- | EXISTING EDGE OF PAVEMENT                     |
| --- | EXISTING PAVEMENT/CURB & GUTTER TO BE REMOVED |
| --- | EXISTING INDEX CONTOUR                        |
| --- | EXISTING INTERMEDIATE CONTOUR                 |
| --- | EXISTING TRAFFIC SIGNAL MASTARM               |

**LEGEND (PROPOSED)**

|     |                                     |
|-----|-------------------------------------|
| --- | PROPOSED ROADWAY CENTERLINE         |
| --- | PROPOSED CURB & GUTTER              |
| --- | PROPOSED ROW                        |
| --- | PROPOSED CABEZON BOUNDARY           |
| --- | PROPOSED 10'-0" TRAIL               |
| --- | PROPOSED COLORED, STAMPED PCC       |
| --- | PROPOSED 6'-0" SIDEWALK             |
| --- | PROPOSED WHEEL CHAIR RAMPS & RETURN |

**LEGEND (EXISTING)**

|     |                                               |
|-----|-----------------------------------------------|
| --- | EXISTING LOT LINE                             |
| --- | EXISTING CURB & GUTTER                        |
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| --- | EXISTING TRAFFIC SIGNAL MASTARM               |

**LEGEND (PROPOSED)**

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| --- | PROPOSED ROADWAY CENTERLINE         |
| --- | PROPOSED CURB & GUTTER              |
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| --- | PROPOSED WHEEL CHAIR RAMPS & RETURN |

**LEGEND (EXISTING)**

|     |                                               |
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| --- | EXISTING LOT LINE                             |
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**LEGEND (PROPOSED)**

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| --- | PROPOSED ROADWAY CENTERLINE         |
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| --- | PROPOSED 6'-0" SIDEWALK             |
| --- | PROPOSED WHEEL CHAIR RAMPS & RETURN |

**LEGEND (EXISTING)**

|     |                                               |
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| --- | EXISTING LOT LINE                             |
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**LEGEND (PROPOSED)**

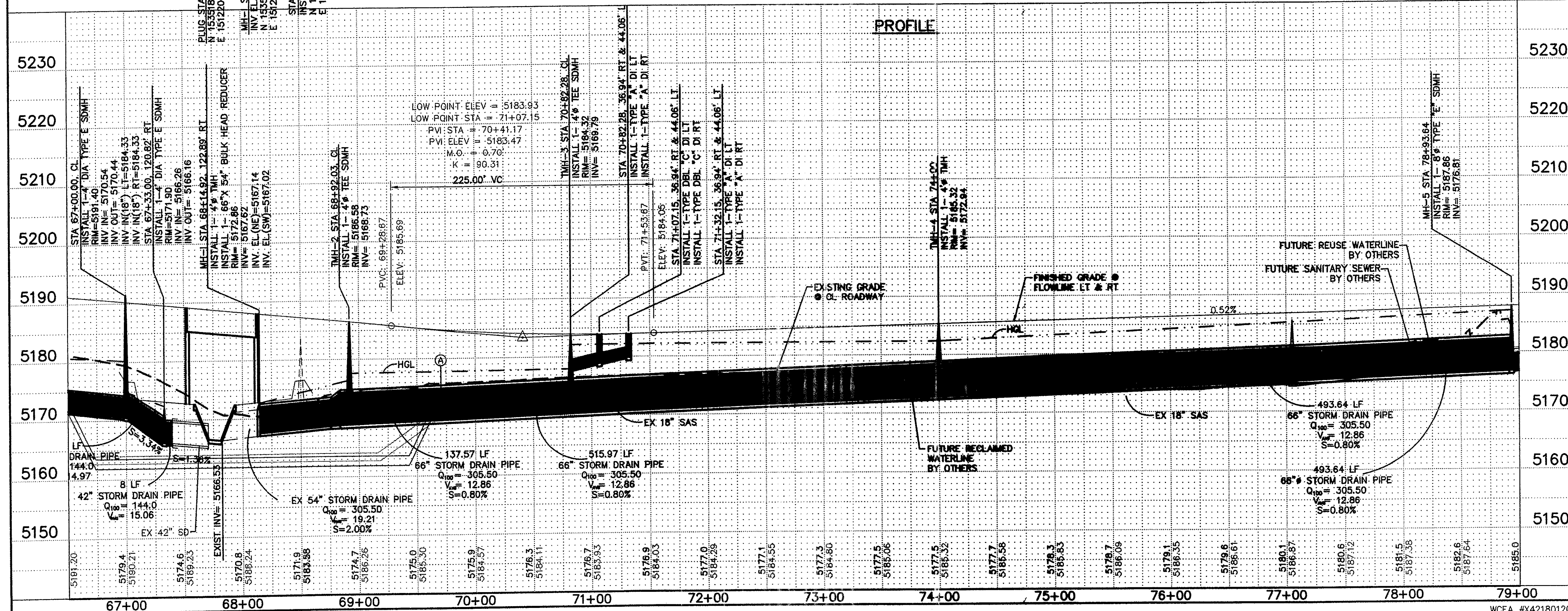
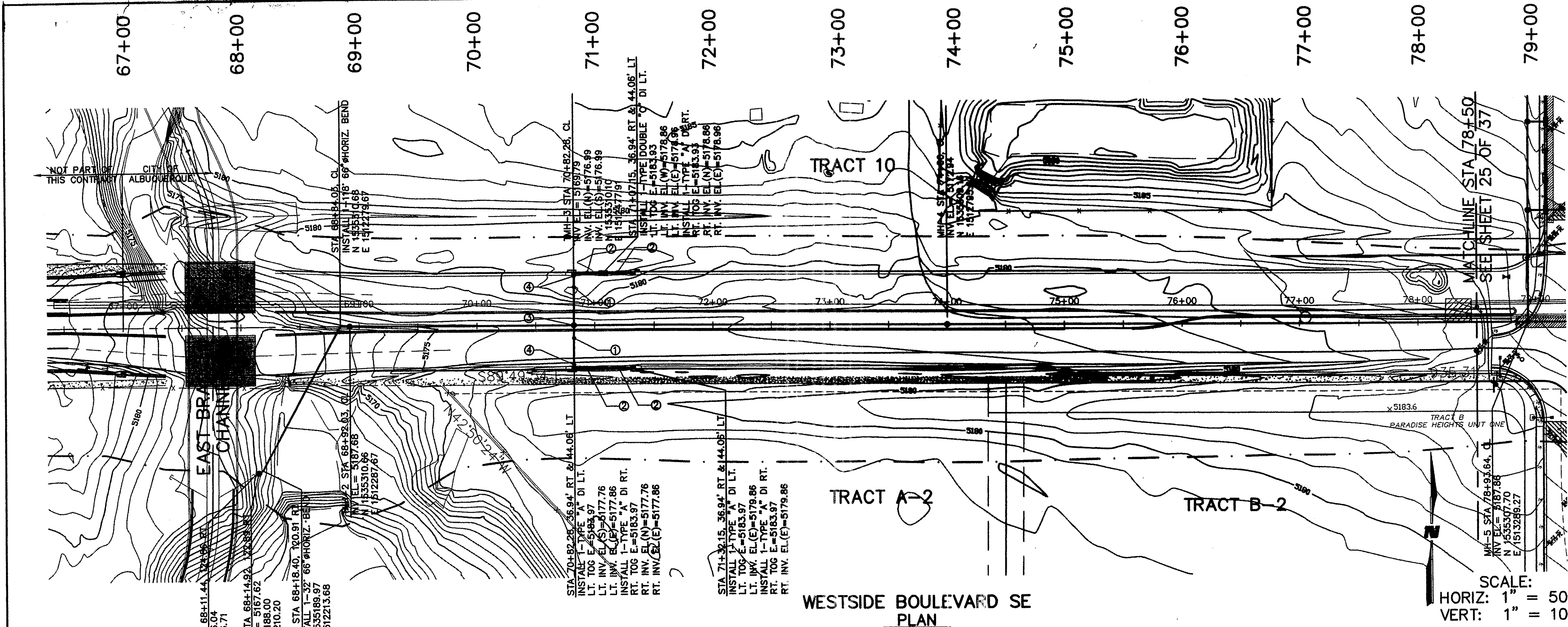
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WCEA #X421801201  
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City Project No. 7718.81  
Zone Map No. A-12 & A-13  
Sheet 28 of 71

**WILSON & COMPANY**



**LEGEND**

- PROPOSED STORM DRAIN
- PROPOSED CURB INLET
- PROPOSED MANHOLE

**GENERAL NOTES**

- ALL STORM DRAIN PIPE, FITTINGS AND BENDS SHALL BE CLASS III RCP PIPE OR APPROVED EQUAL.
- MINIMUM PIPE COVER SHALL COMPLY WITH MANUFACTURER'S HS20 LIVE LOAD REQUIREMENTS.
- INSTALLATION BACKFILL SHALL COMPLY WITH MANUFACTURER'S REQUIREMENTS.
- ALL DROP INLETS SHALL BE TYPE "A" OR TYPE "C" CURBOP INLETS UNLESS NOTED ON PLANS OTHERWISE SEE DETAIL SHEET 11 OF 37
- ALL STORM DRAIN LATERALS SHALL BE 18" UNLESS NOTED OTHERWISE

**KEY NOTES**

- 24" RCP CLASS III SD
- 18" RCP CLASS III SD
- INSTALL BEHIVE GRATE (TEMPORARY)
- INSTALL RCP PLUG INV LT & RT=5177.76

**ENGINEER'S SEAL**

REVISIONS

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DESIGNED BY: M.J. STAFF  
DRAWN BY: M.J. STAFF  
CHECKED BY: M.J. STAFF

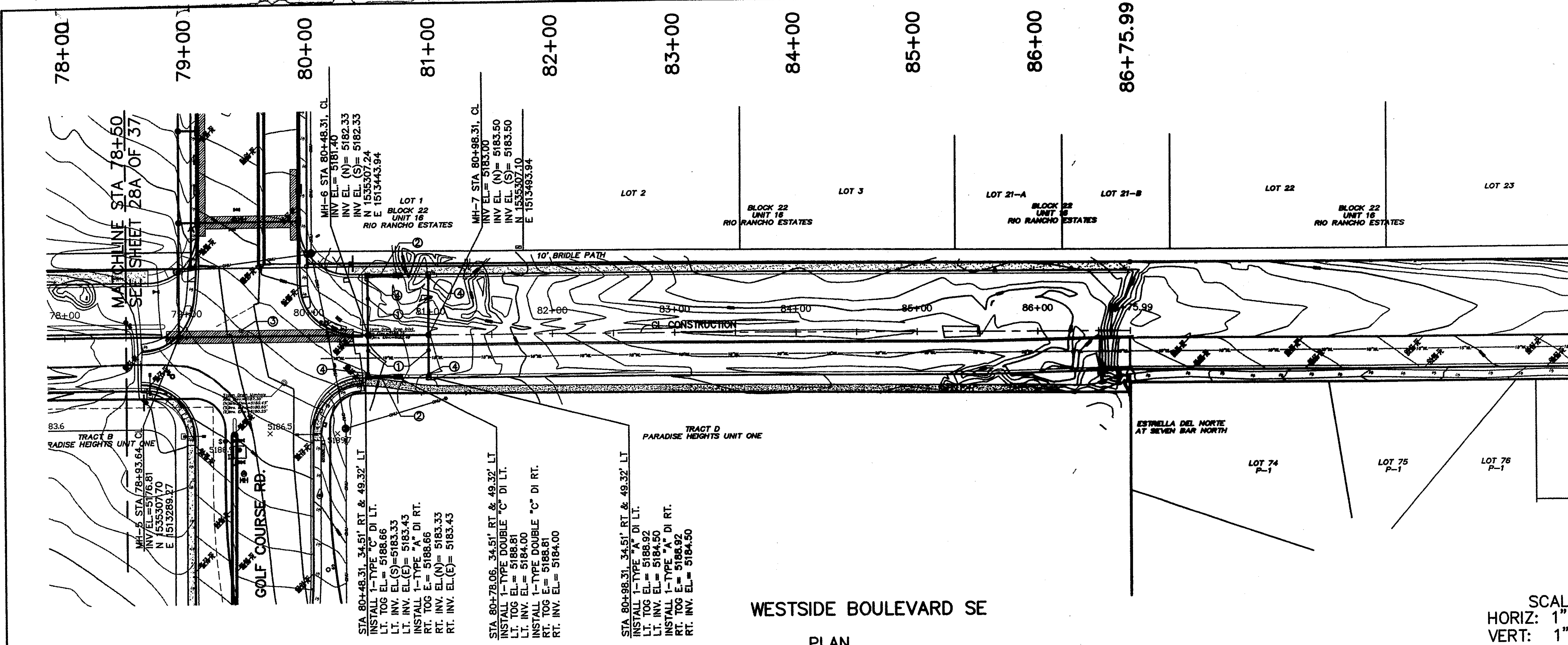
**INDEX MAP**

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

**WESTSIDE BOULEVARD S.E.  
STORM DRAIN PLAN & PROFILE  
STA 67+00 TO 78+50**

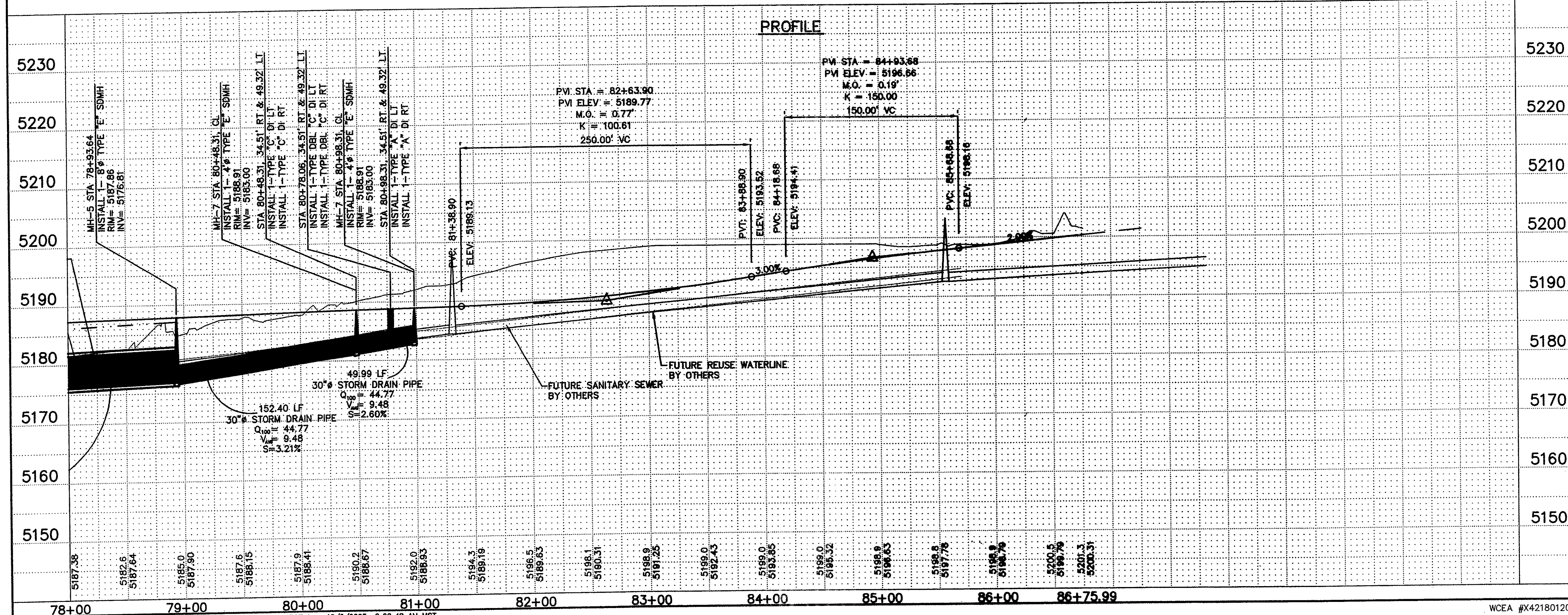
Design Review Committee City Engineer Approval

City Project No. 7718.81 Zone Map No. A-12 & A-13 Sheet 28A Of 71



WESTSIDE BOULEVARD SE

PLAN



PROFILE

LEGEND

- PROPOSED STORM DRAIN
- PROPOSED CURB INLET
- PROPOSED MANHOLE

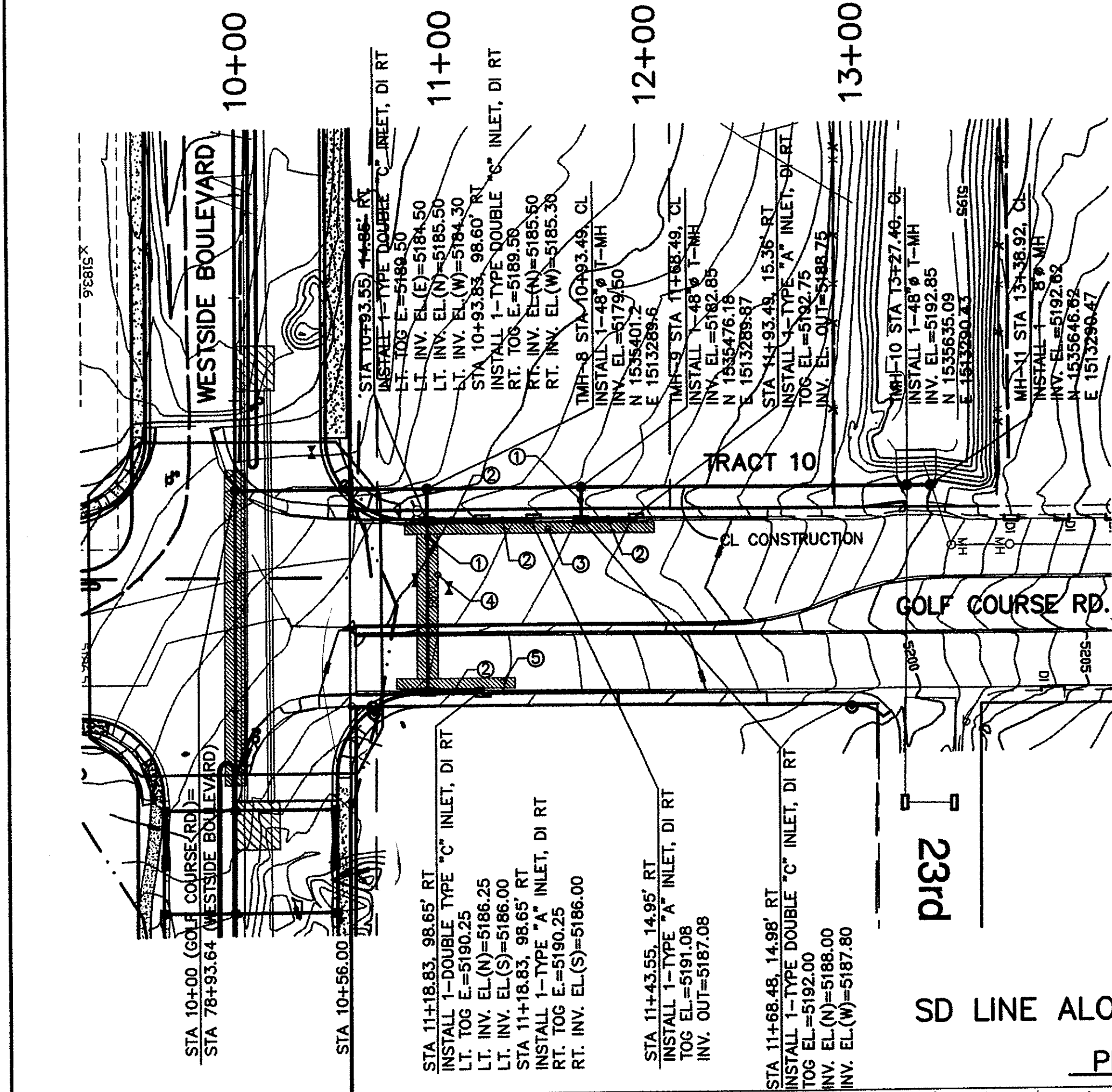
GENERAL NOTES

- ALL STORM DRAIN PIPE, FITTINGS AND BENDS SHALL BE CLASS III RCP PIPE OR APPROVED EQUAL
- MINIMUM PIPE COVER SHALL COMPLY WITH MANUFACTURER'S HS20 LIVE LOAD REQUIREMENTS.
- INSTALLATION BACKFILL SHALL COMPLY WITH MANUFACTURER'S REQUIREMENTS.
- ALL DROP INLETS SHALL BE TYPE "A" OR TYPE "C" CURB INLETS UNLESS NOTED ON PLANS OTHERWISE. SEE DETAIL SHEET 11 OF 37.
- ALL STORM DRAIN LATERALS SHALL BE 18" UNLESS NOTED OTHERWISE

KEY NOTES

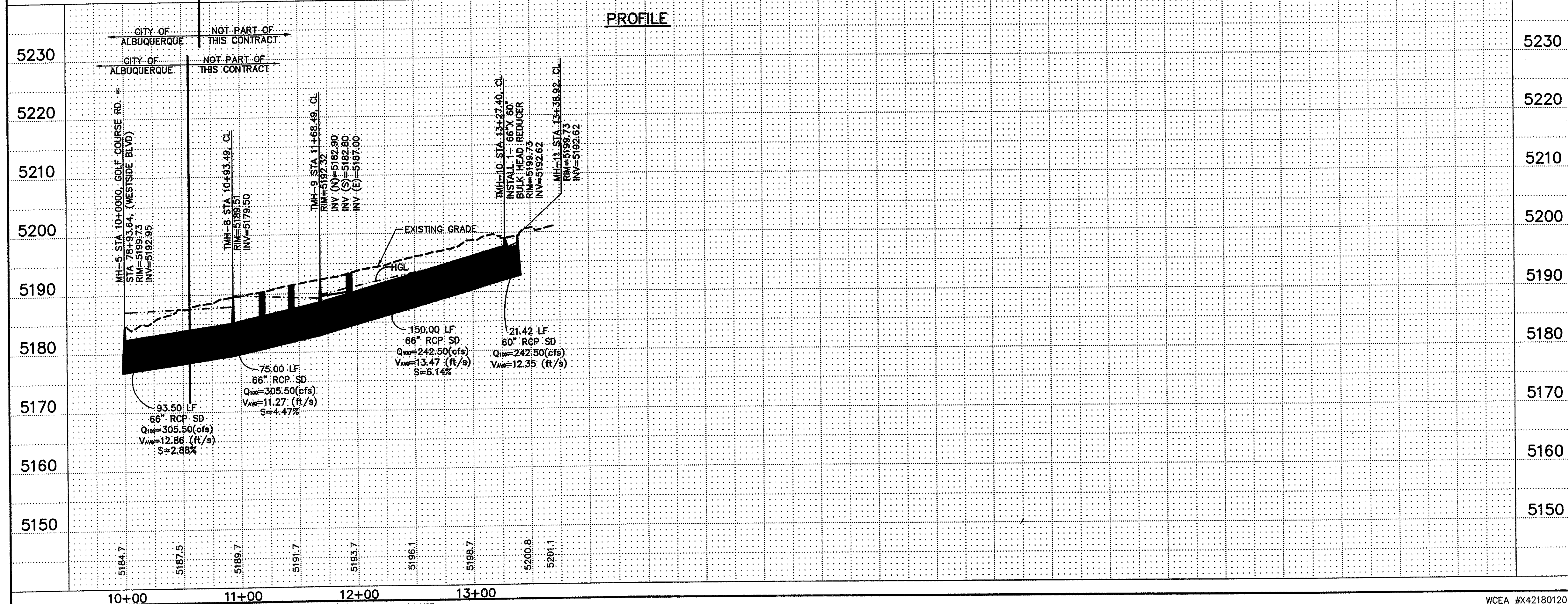
- 24" RCP CLASS III SD
- 18" RCP CLASS III SD
- REMOVE & DISPOSE 170 SY EXISTING ASPHALT
- INSTALL RCP PLUG  
INV LT & RT=5177.76

| AS-BUILT INFORMATION |      | BENCH MARKS                                                                                                                       |      | SURVEY INFORMATION |      | ENGINEER'S SEAL                          |           |
|----------------------|------|-----------------------------------------------------------------------------------------------------------------------------------|------|--------------------|------|------------------------------------------|-----------|
| CONTRACTOR           | DATE | USC&GS BRASS TABLET STAMPED                                                                                                       | DATE | FIELD NOTES        | NO.  |                                          | REVISIONS |
| STAKE BY             | DATE | "TRANS. 1969", LOCATED 6 MILES SOUTHWEST OF DOWNTOWN ALBUQUERQUE IN THE RIGHT-OF-WAY OF A PLAINS ELECTRIC CO-OP TRANSMISSION LINE | DATE | BY                 | NO.  |                                          |           |
| FIELD ACCEPTANCE BY  | DATE | ELEVATION = 5118.370 FT.                                                                                                          | DATE | DESIGNED BY        | DATE |                                          |           |
| RECORDED BY          | DATE | NGVD 29 U.S. FEET                                                                                                                 | DATE | DRAWN BY           | DATE |                                          |           |
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|                      |      |                                                                                                                                   |      |                    |      |                                          |           |



SD LINE ALONG GOLF COURSE RD.

PLAN



PROFILE

SCALE:  
HORIZ: 1" = 50'  
VERT: 1" = 10'

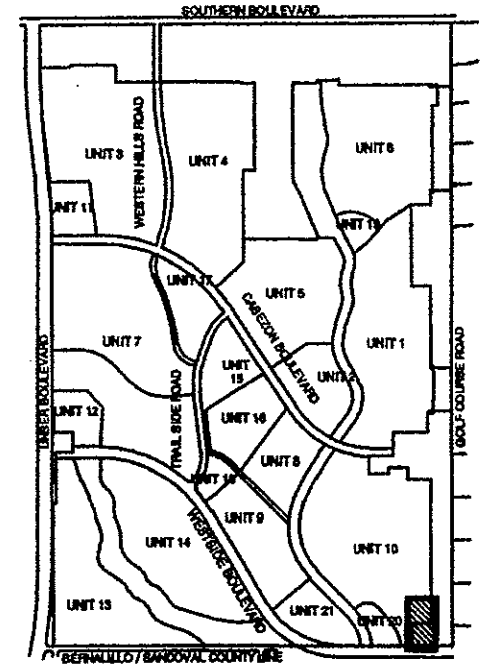
- LEGEND
- PROPOSED STORM DRAIN
  - PROPOSED CURB INLET
  - PROPOSED MANHOLE

GENERAL NOTES

- ALL STORM DRAIN PIPE, FITTINGS AND BENDS SHALL BE CLASS III RCP PIPE OR APPROVED EQUAL.
- MINIMUM PIPE COVER SHALL COMPLY WITH MANUFACTURER'S HS20 LIVE LOAD REQUIREMENTS.
- INSTALLATION BACKFILL SHALL COMPLY WITH MANUFACTURER'S REQUIREMENTS.
- ALL DROP INLETS SHALL BE TYPE "A" OR TYPE "C" CURBOP INLETS UNLESS NOTED ON PLANS OTHERWISE. SEE DETAIL SHEET 11 OF 37
- ALL STORM DRAIN LATERALS SHALL BE 18" UNLESS NOTED OTHERWISE

KEY NOTES

- 24" RCP CLASS III SD
- 18" RCP CLASS III SD
- REMOVE & DISPOSE 67 SY EXISTING ASPHALT
- REMOVE & DISPOSE 78 SY EXISTING ASPHALT
- REMOVE & DISPOSE 32 SY EXISTING ASPHALT



INDEX MAP

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

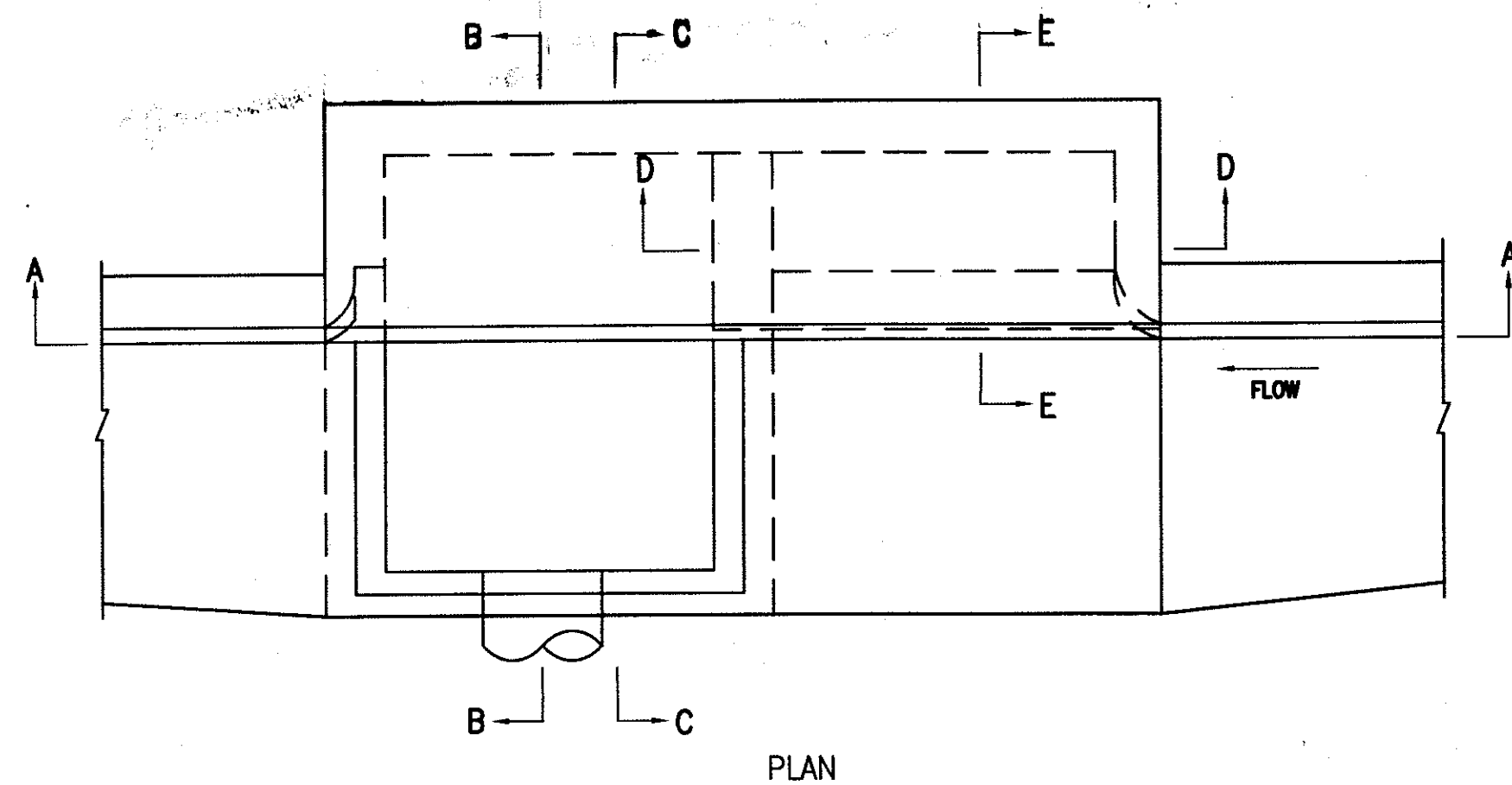
WESTSIDE BOULEVARD S.E.  
STORM DRAIN PLAN & PROFILE  
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|-------------------------|------------------------|
| Design Review Committee | City Engineer Approval |
| MAR 12 2007             | CITY ENGINEER          |

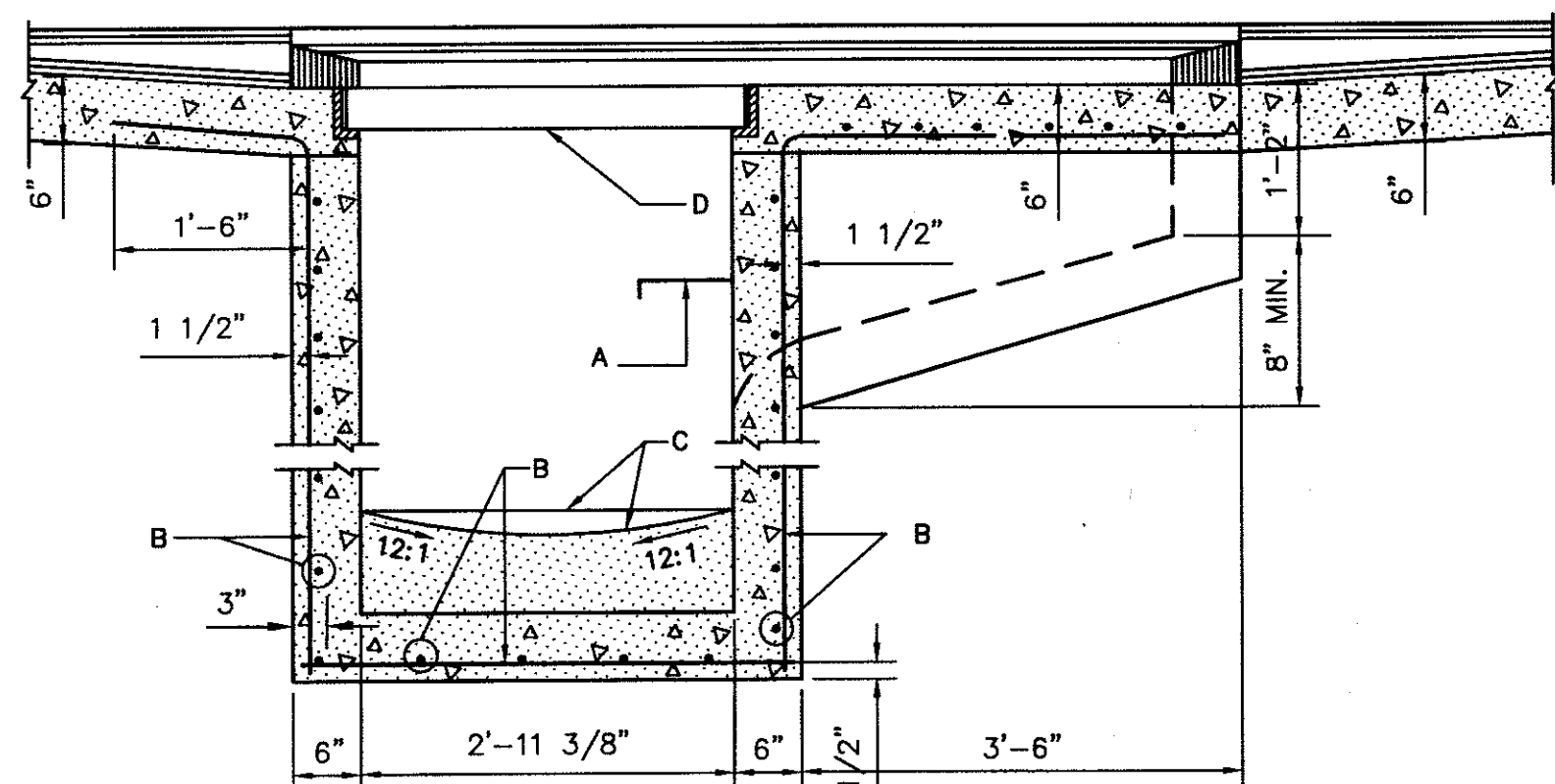
City Project No. 7718.81 Zone Map No. A-12 & A-13 Sheet 30 of 71

WILSON & COMPANY

| AS-BUILT INFORMATION   |      | BENCH MARKS                                                                                                                       |      | SURVEY INFORMATION |    | ENGINEER'S SEAL                          |           |
|------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------|------|--------------------|----|------------------------------------------|-----------|
| CONTRACTOR             | DATE | US&GS BRASS TABLET STAMPED                                                                                                        | DATE | NO.                | BY |                                          | REVISIONS |
| STAMPED BY             | DATE | "TRANS. 1969", LOCATED 6 MILES SOUTHWEST OF DOWNTOWN ALBUQUERQUE IN THE RIGHT-OF-WAY OF A PLAINS ELECTRIC CO-OP TRANSMISSION LINE | DATE |                    |    |                                          |           |
| ASSISTANCE BY          | DATE |                                                                                                                                   |      |                    |    |                                          |           |
| FIELD ASSISTANCE BY    | DATE |                                                                                                                                   |      |                    |    |                                          |           |
| MICRO-FILM INFORMATION |      |                                                                                                                                   |      |                    |    | NO. DATE                                 |           |
| RECORDED BY            | DATE |                                                                                                                                   |      |                    |    | REVISIONS                                |           |
| NO.                    |      |                                                                                                                                   |      |                    |    | WILSON & COMPANY, ENGINEERS & ARCHITECTS |           |
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PLAN



SECTION A-A

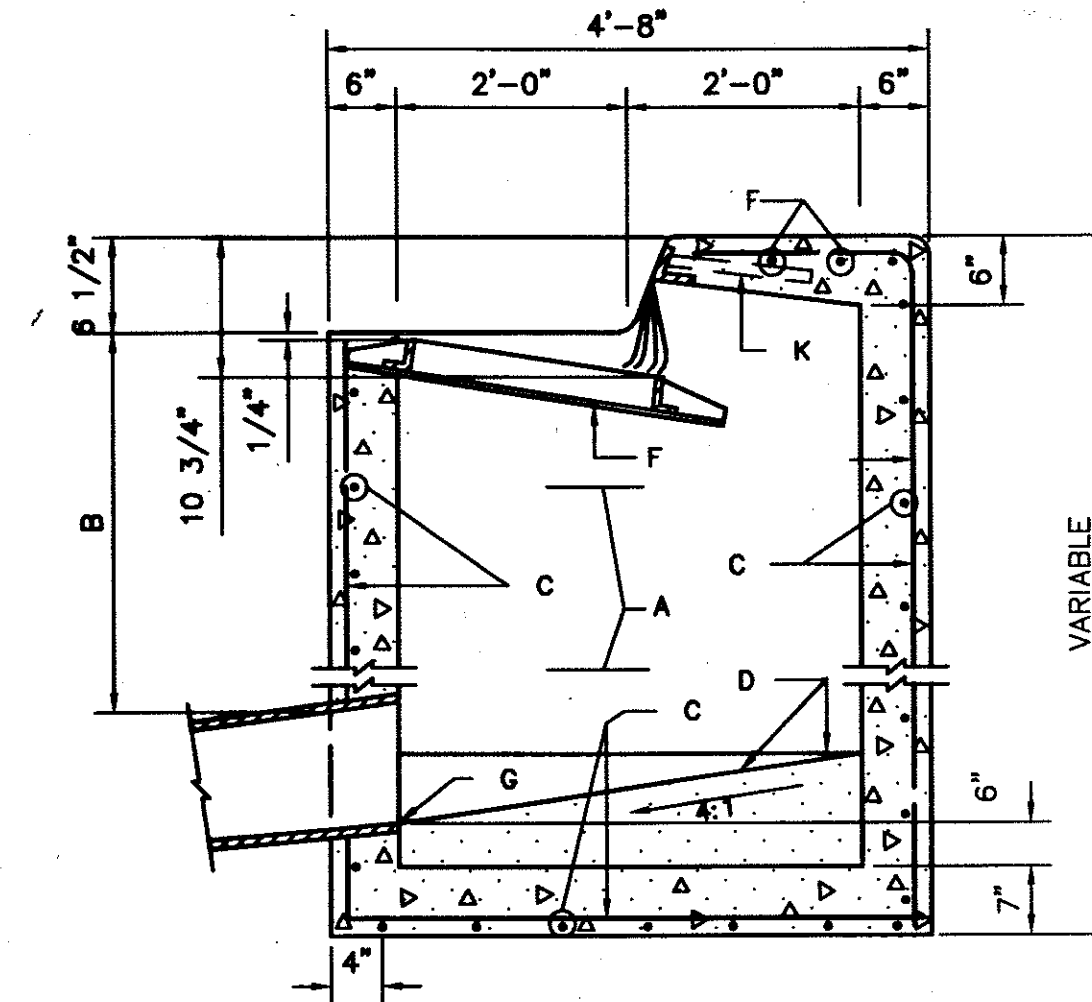
STORM INLET TYPE "A"  
PLAN AND SECTION A-A

**GENERAL NOTES:**

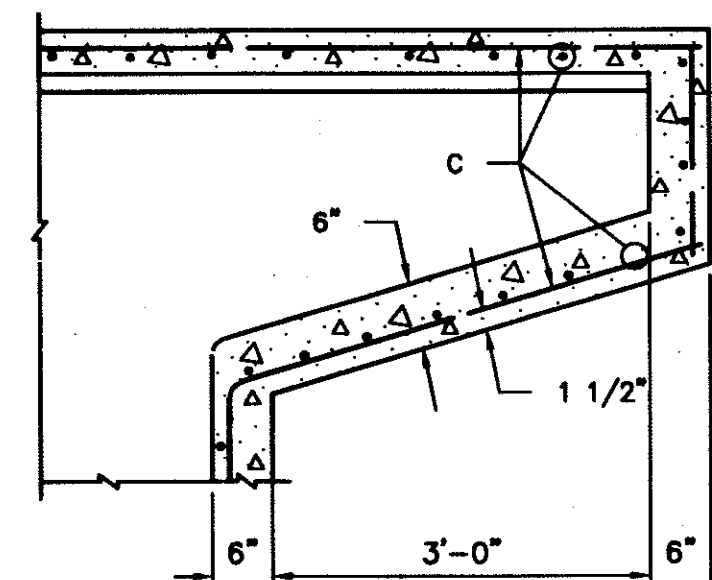
1. SEE DWG. 2202 FOR TYPE "A" INLET SECTIONS.
2. FOR STORM INLET GUTTER TRANSITION, SEE DWG. 2207.
3. OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
4. FOR FRAME & GRATING, SEE DWG. 2216 & 2220.

**CONSTRUCTION NOTES:**

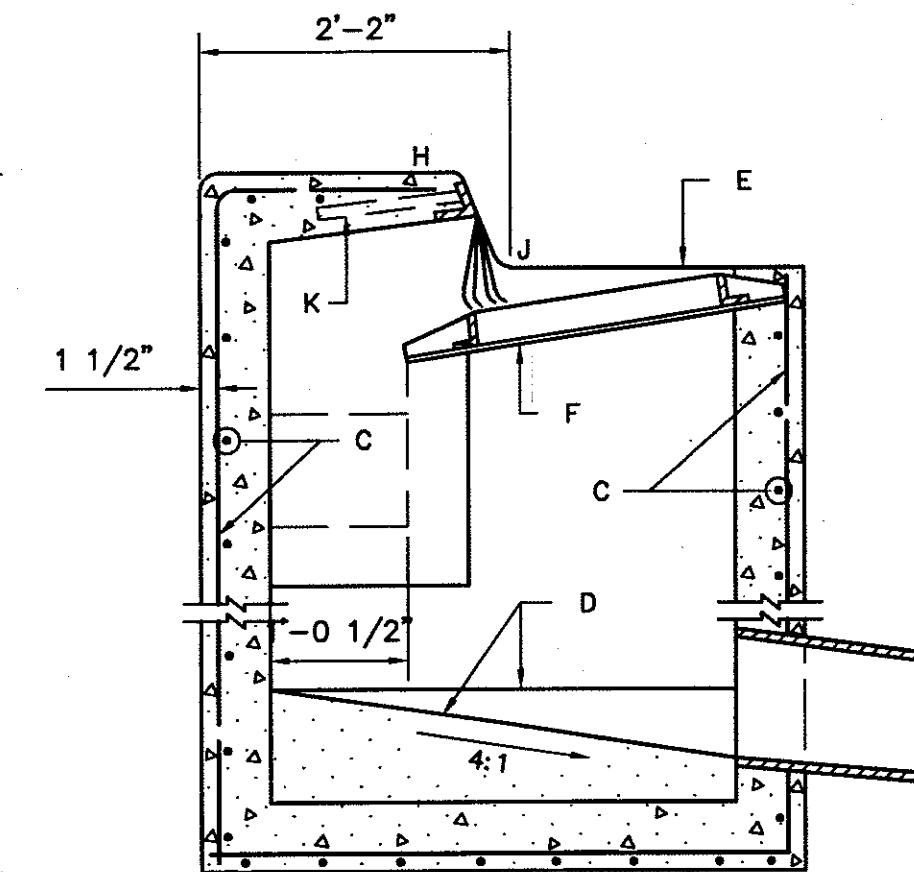
- A. FOR STORM INLET DEPTHS GREATER THAN 4', INSTALL STD. STEPS, SEE DWG. 2229. STEPS ARE TO BE INSTALLED ON DOWN-STREAM FACE OF INLET.
- B. NO. 4 BARS AT 6" O.C. EACH WAY.
- C. CONCRETE FILL, MINIMUM SLOPE SHOWN IN SECTION A-A.
- D. GRATE



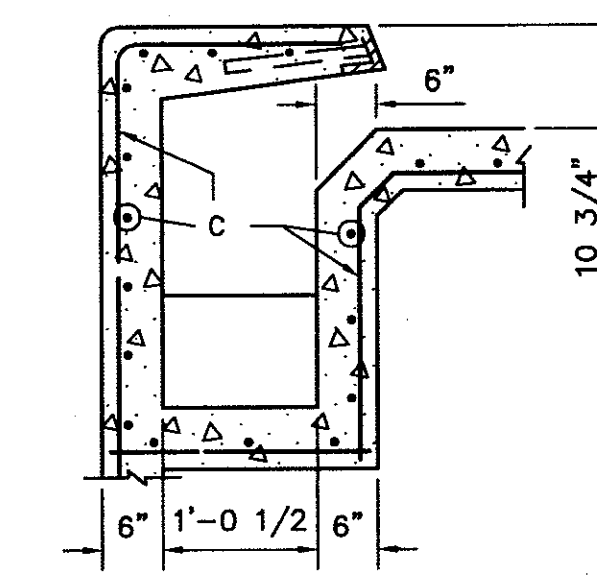
SECTION B-B



SECTION D-D



SECTION C-C



SECTION E-E

STORM INLET TYPE "A"  
SECTION B-B, C-C, D-D & E-E

**GENERAL NOTES:**

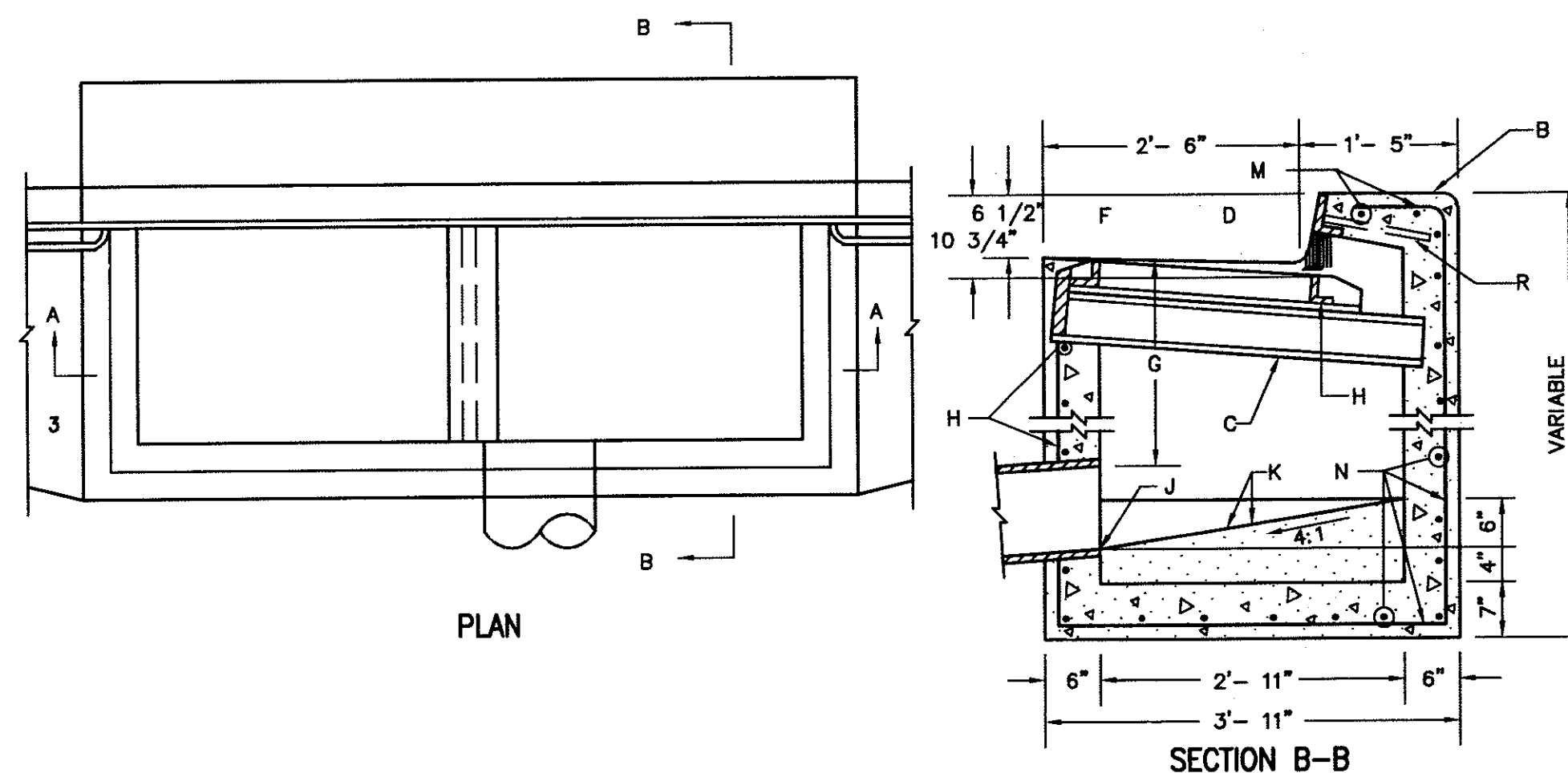
1. SEE DWG. 2201 FOR PLAN AND SECTION A-A.
2. GENERAL NOTES 2, 3 & 4 ON DWG. 2201 ALSO APPLY TO THIS DRAWING.
3. FOR ANCHOR DETAIL, SEE DWG. 2205.

**CONSTRUCTION NOTES:**

- A. STORM INLET STEPS, SEE DWG. 2229 FOR SPACING.
- B. 1'-10" MIN. UNLESS OTHERWISE DIRECTED.
- C. NO. 4 BARS AT 6" O.C. EACH WAY.
- D. CONCRETE FILL, MINIMUM SLOPES SHOWN IN SECTIONS.
- E. NORMAL GUTTER.
- F. GRATE FRAME.
- G. INVERT ELEVATION PER DESIGN.
- H. TOP OF CURB.
- J. FLOWLINE.
- K. ANGLE ANCHOR.

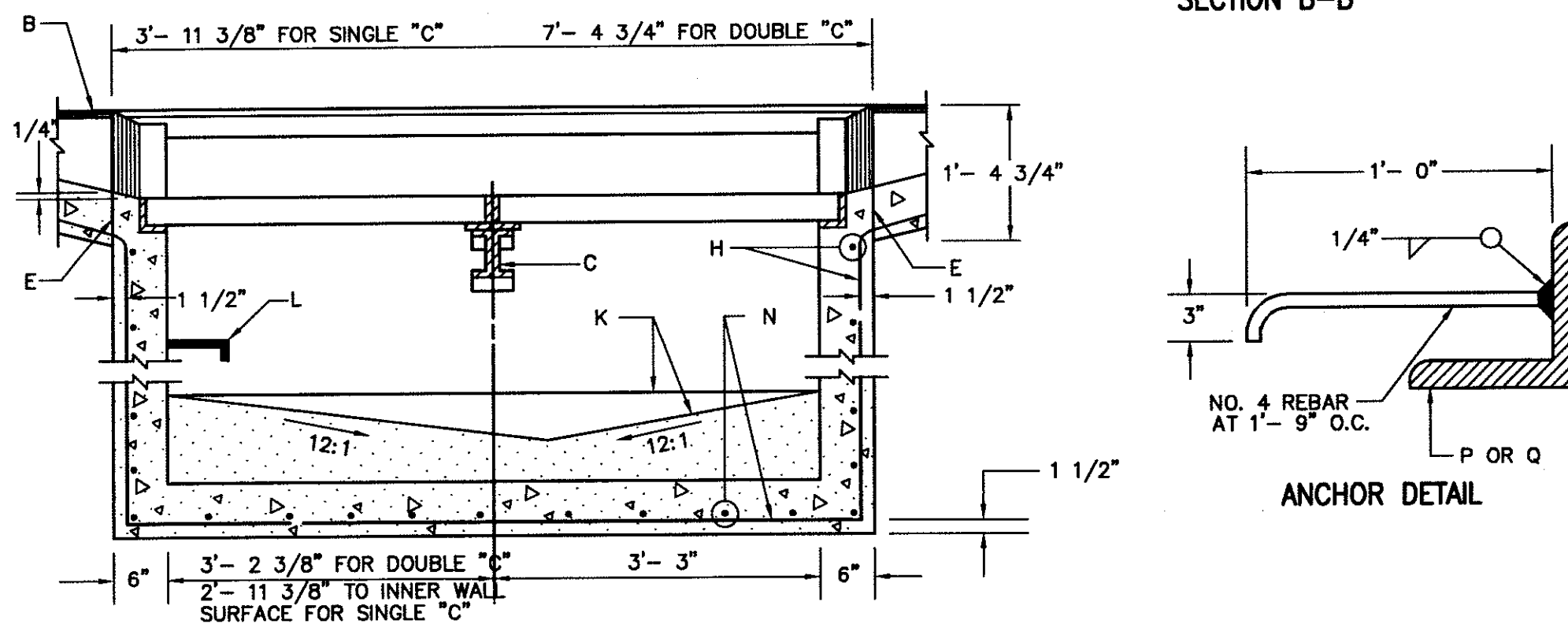
2201

2202



PLAN

SECTION B-B



SECTION A-A

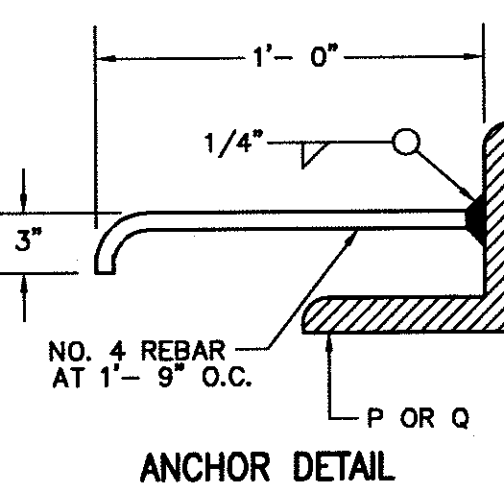
STORM INLET DOUBLE "C"

**GENERAL NOTES :**

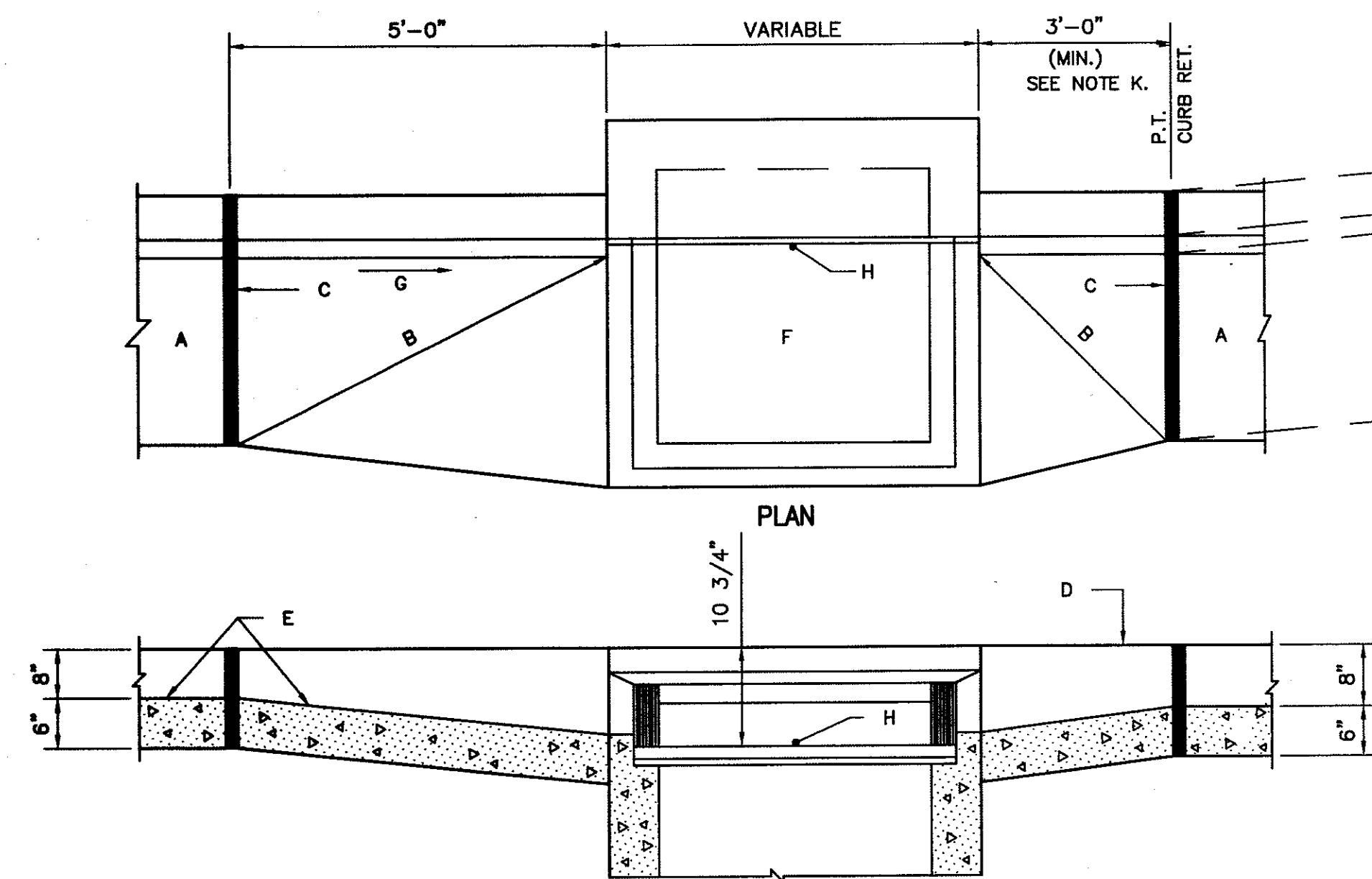
1. FOR SINGLE GRATE TYPE STORM INLET DELETE CENTER SUPPORT AND MOVE ONE END WALL TO FORM NEW SINGLE GRATE INLET.
2. FOR STORM INLET GUTTER TRANSITION, SEE DWG. 2207.
3. OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
4. FOR FRAME & GRATING, SEE DWG. 2216 & 2220.
5. FOR ANCHOR SEE DETAIL.
6. FOR CENTER SUPPORT ASSEMBLY, SEE DWG. 2215.

**CONSTRUCTION NOTES :**

- A. GUTTER TRANSITION.
- B. TOP OF CURB.
- C. CENTER SUPPORT ASSEMBLY.
- D. FLOWLINE.
- E. CONSTRUCTION JOINT.
- F. NORMAL GUTTER LINE.
- G. 1'-10" MIN. UNLESS OTHERWISE DIRECTED.
- H. FRAME AND GRATE.
- J. INVERT OF OUTLET PIPE.
- K. CONCRETE FILL, MINIMUM SLOPES AS SHOWN.
- L. FOR STORM INLET DEPTHS GREATER THAN 4' INSTALL STD. STEPS, SEE DWG. 2229, UPSTREAM SIDE.
- M. EXTEND NO. 4 REBARS 18" INTO CURB ON EACH SIDE OF STORM INLET.
- N. NO. 4 BARS AT 6" O.C.
- P. 3 1/2" X 3 1/2" X 1/2" X 4' - 0" FOR SINGLE GRATE TYPE "C" STORM INLET.
- Q. 3 1/2" X 3 1/2" X 1/2" X 7' - 6" FOR DOUBLE GRATE TYPE "C" STORM INLET.
- R. ANCHOR.



ANCHOR DETAIL



PLAN

LONGITUDINAL SECTION ALONG FLOW LINE

STORM INLET  
GUTTER TRANSITION

**GENERAL NOTES:**

1. DETAILS FOR PLACING CATCH BASINS. STANDARD CURB AND GUTTER.

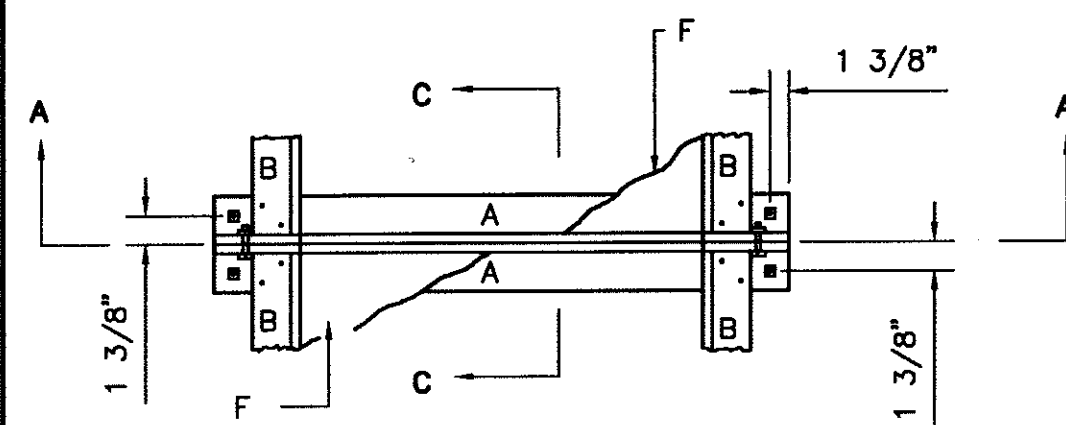
**CONSTRUCTION NOTES:**

- A. STANDARD CURB AND GUTTER.
- B. STRAIGHT GRADE.
- C. EXPANSION JOINT.
- D. TOP OF CURB.
- E. FLOWLINE.
- F. FOR FRAME & GRATE SEE DWG. 2216 AND 2220.
- G. DIRECTION OF FLOW.
- H. POINT OF MEASUREMENT FOR TOP OF GRATE ELEVATION.
- J. PROVIDE 5 FEET TRANSITION EACH SIDE OF CATCH BASIN, WHEN INSTALLING AT SAG POINT IN INSTALLATIONS OTHER THAN AT CURB RETURN.
- K. REFER TO STORM DRAIN PLAN & PROFILE SHEETS FOR ACTUAL HORIZONTAL LENGTH.

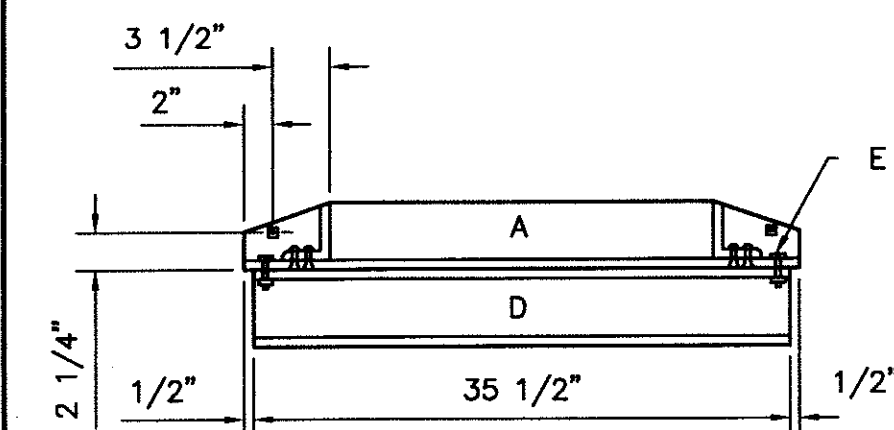
2207

|                                                                                                                                                |                                                                                |                                                                                                                                     |                |
|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>WILSON &amp; COMPANY</b><br>2600 THE AMERICAN ROAD SE<br>SUITE 100<br>RIO RANCHO, NEW MEXICO<br>87124<br>(505) 898-8021<br>www.wilsoncp.com |                                                                                | CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP<br><b>WESTSIDE BOULEVARD S.E.</b><br><b>STORM DRAIN DETAILS</b> |                |
| Design Review Committee<br>APPROVE<br>DESIGN REVIEW COMMITTEE<br>City Project No. 7718.81                                                      | City Engineer Approval<br>APPROVE<br>CITY ENGINEER<br>Zone Map No. A-12 & A-13 | Last Design Update<br>Mo./Day/Yr.<br>Mo./Day/Yr.                                                                                    | Sheet 31 Of 71 |

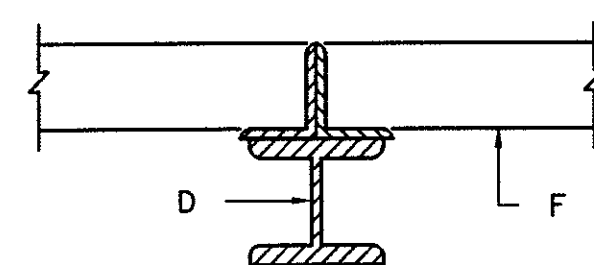
WCEA #X421801201  
SEPT 2006



PLAN  
ASSEMBLY FOR DOUBLE "D" CATCH BASIN

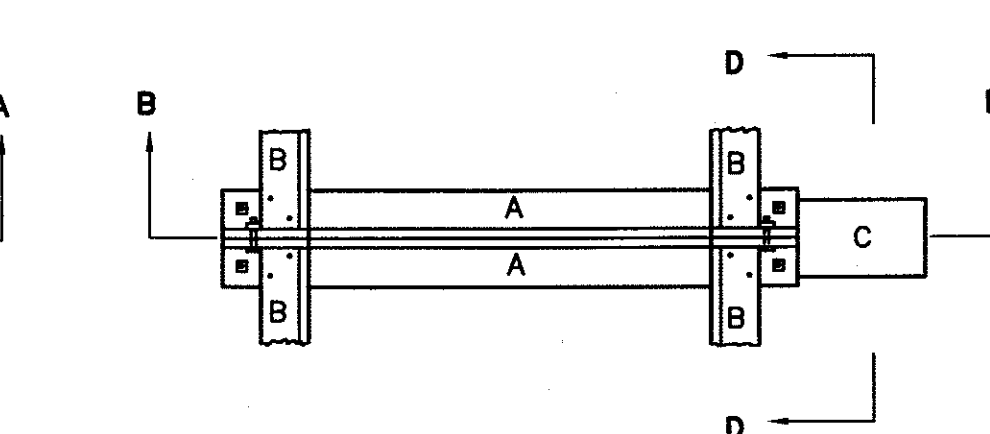


SECTION A-A

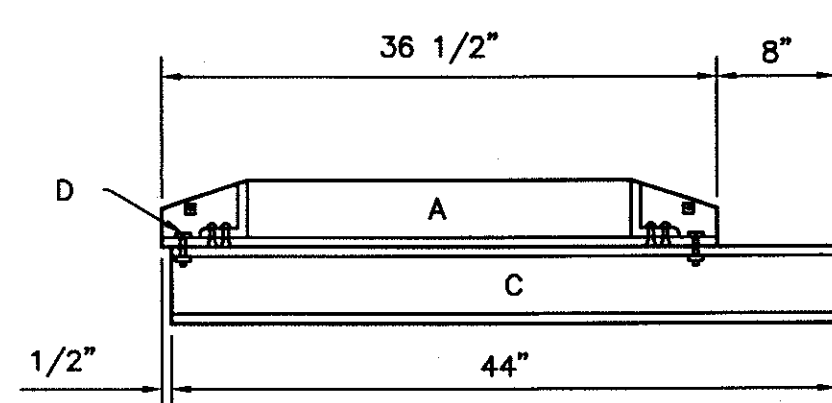


SECTION C-C

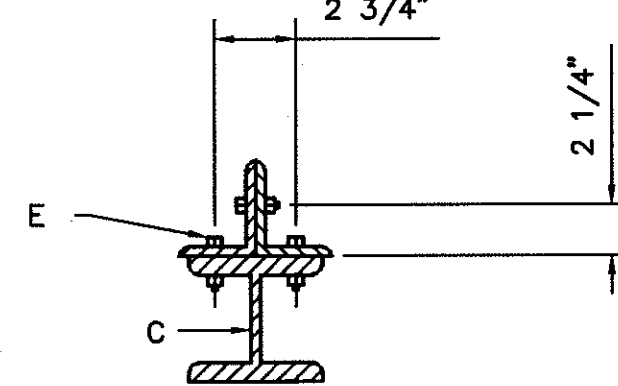
STORM INLET  
CENTER SUPPORT ASSEMBLY



PLAN  
ASSEMBLY FOR DOUBLE "C" CATCH BASIN



SECTION B-B



SECTION D-D

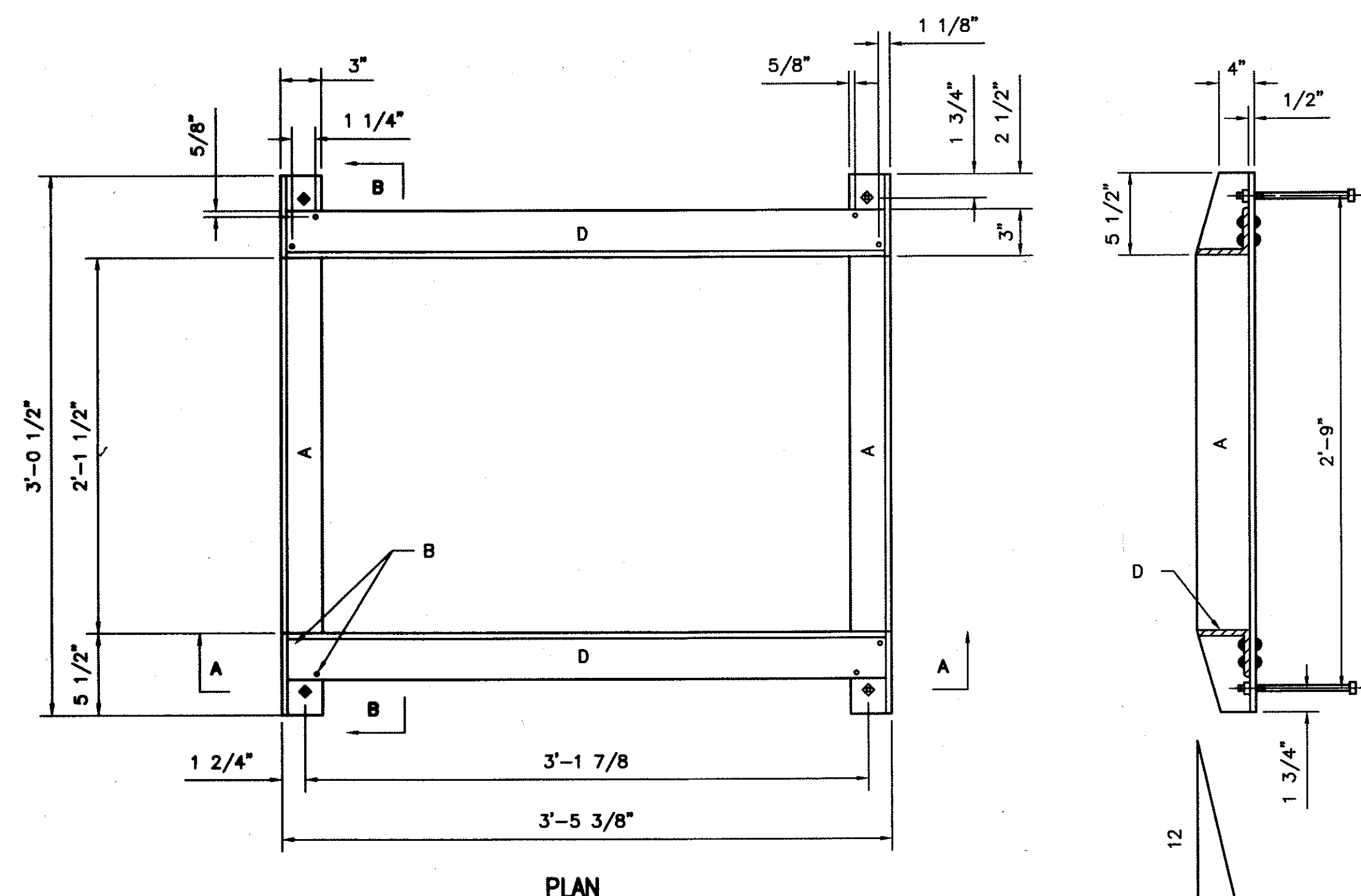
#### GENERAL NOTES:

1. ALL BOLTS USED IN CENTER SUPPORT ASSEMBLY SHALL BE 1/2".
2. FRAME MAY BE RIVETED OR WELDED.
3. BOLTS (NOT RIVETS OR WELDS) SHALL BE USED TO JOIN TWO OR MORE FRAMES TOGETHER AND TO THE W BEAM.
4. AFTER CLEANING SURFACE OF SCALE, RUST, ETC., GRATING, FRAME AND CENTER SUPPORT SHALL BE PAINTED WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
5. FOR SINGLE TYPE CATCH BASIN, MOVE ONE END WALL TO FORM NEW SINGLE GRATE CATCH BASIN.

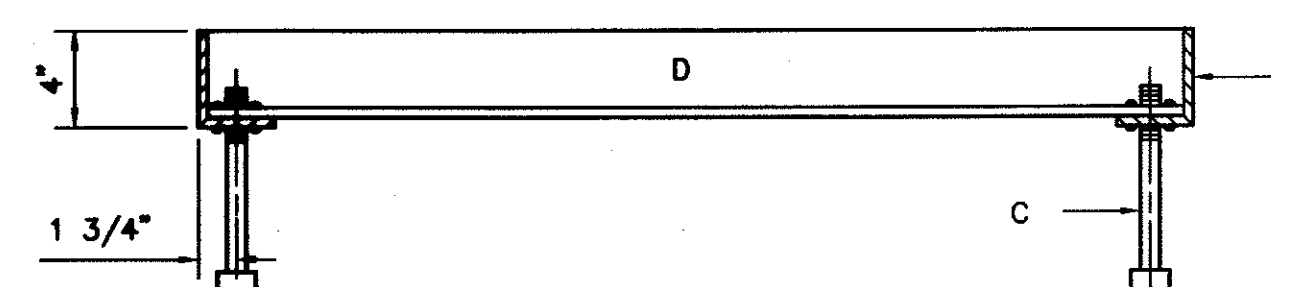
#### CONSTRUCTION NOTES:

- A. 4" X 3" X 1/2" X 36 1/2" ∠
- B. 3 1/2" X 3" X 3/8" X 40 3/8" ∠
- C. 5 X 5 WF 18.5 FLANGE BEAM, FOR CATCH BASIN TYPE DOUBLE "C".
- D. 5 X 5 WF 18.5 FLANGE BEAM, FOR CATCH BASIN TYPE DOUBLE "D".
- E. 1/2" BOLTS, WITH NUTS TO SECURE ANGLE TO BEAM.
- F. FOR FRAME & GRATE SEE DWGS. 2216, 2220, 2221.

2215



PLAN



SECTION A-A

STORM INLET FRAME

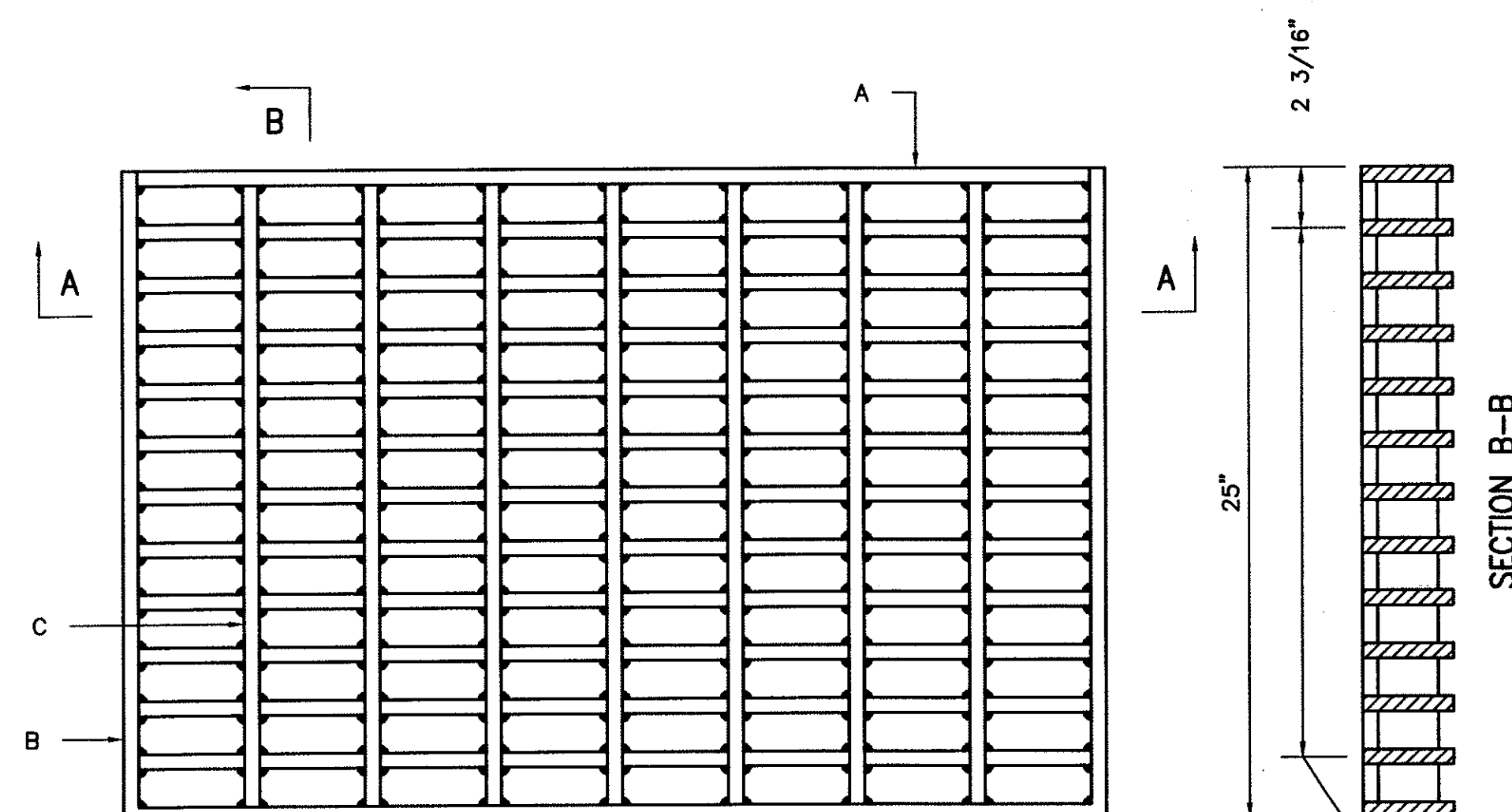
#### GENERAL NOTES:

1. ALL EXPOSED METAL PARTS SHALL BE PAINTED PRIOR TO ASSEMBLY. WELDING, MACHINING AND DRILLING SHALL BE DONE PRIOR TO PAINTING. ALL DIMENSIONS ARE FINISH DIMENSIONS.
2. ALL PARTS SHALL BE OF STRUCTURAL STEEL, GRADE 36.
3. FOR CLEANING AND PAINTING OF FRAME SEE DWG. 2215, GENERAL NOTE NO. 4.
4. FRAME MAY BE WELDED OR RIVETED.

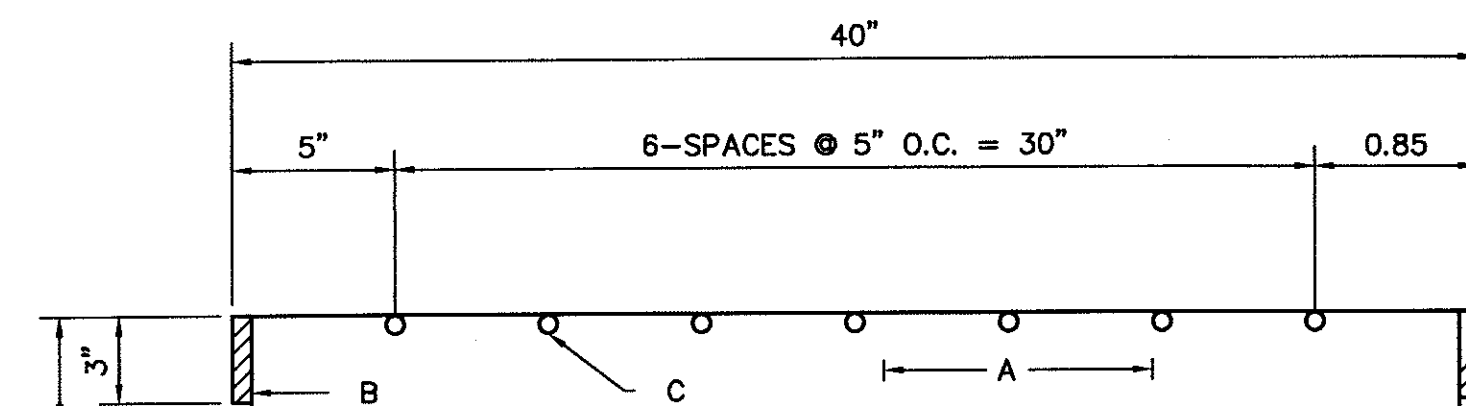
#### CONSTRUCTION NOTES:

- A. 4" X 3" X 1/2" X 3" 1/2" ∠
- B. 2 - 3/8" RIVETS AT EACH CORNER, SEE GENERAL NOTE NO. 5.
- C. 4 - 1/2" X 8" BOLTS WITH SQUARE HEAD & NUT AT EACH CORNER, FOR ANCHORING FRAME INTO CONCRETE WALL.
- D. 3 - 1/2" X 3" X 3/8" X 3'-4 3/8" ∠

2216



PLAN



SECTION A-A

STORM INLET  
STANDARD GRATE

#### GENERAL NOTES:

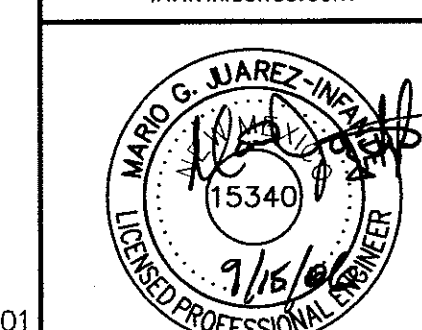
1. ALL BARS SHALL BE STRUCTURAL GRADE STEEL, GRADE A36.
2. THE GRATE SHALL BE WELDED WITH 1/8" FILLET WELD AROUND BOTH SIDES OF CROSS BARS, 1/4" FILLET WELD BOTH SIDES OF BEARING BARS TO END BARS.
3. AFTER CLEANING SURFACE OF SCALE, RUST, OILS, ETC., PAINT GRATE WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
4. TOP OF CROSS BARS SHALL BE FLUSH WITH TOP OF GRATE.
5. GRIND WELDS FLUSH WITH BEARING BARS.
6. WHEN INSTALLED IN FRAME, PUSH TIGHT TO ONE SIDE, OTHER SIDE SHALL HAVE 1/2" MAX. OPENING. SPACERS WELDED TO FRAME MAY BE USED IF REQUIRED TO KEEP 1/2" SPACE OR LESS.

#### CONSTRUCTION NOTES:

- A. BEARING BARS, (13) 1/2" X 3 1/2" X 39".
- B. END BARS, (2) 1/2" X 3" X 25".
- C. CROSS BARS, (7) 1/2" DIA. X 24".

2220

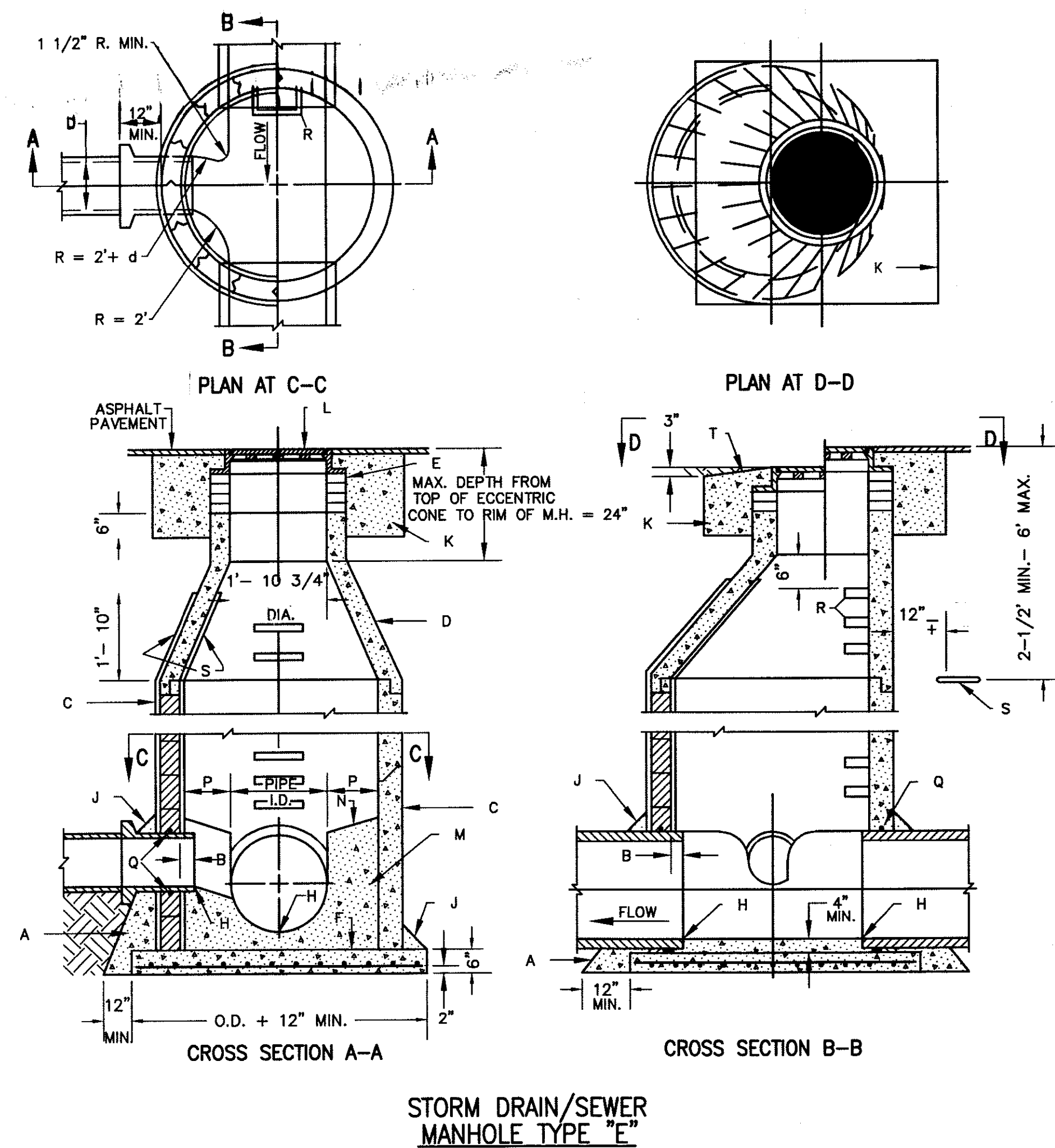
**WILSON & COMPANY**  
2600 THE AMERICAN ROAD SE  
SUITE 100  
RIO RANCHO, NEW MEXICO  
87124  
(505) 898-8021  
www.wilsonco.com



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP  
**WESTSIDE BOULEVARD S.E.  
STORM DRAIN DETAILS**

| Design Review Committee                           | City Engineer Approval                  | Mo./Day/Yr. | Mo./Day/Yr. |
|---------------------------------------------------|-----------------------------------------|-------------|-------------|
| APPROVE<br>SEP 12 2006<br>DESIGN REVIEW COMMITTEE | APPROVE<br>SEP 12 2006<br>CITY ENGINEER |             |             |
| City Project No.                                  | Zone Map No.                            | Sheet       | Of          |
| 7718.81                                           | A-12 & A-13                             | 32          | 71          |

WCEA #X421801201  
SEPT 2006



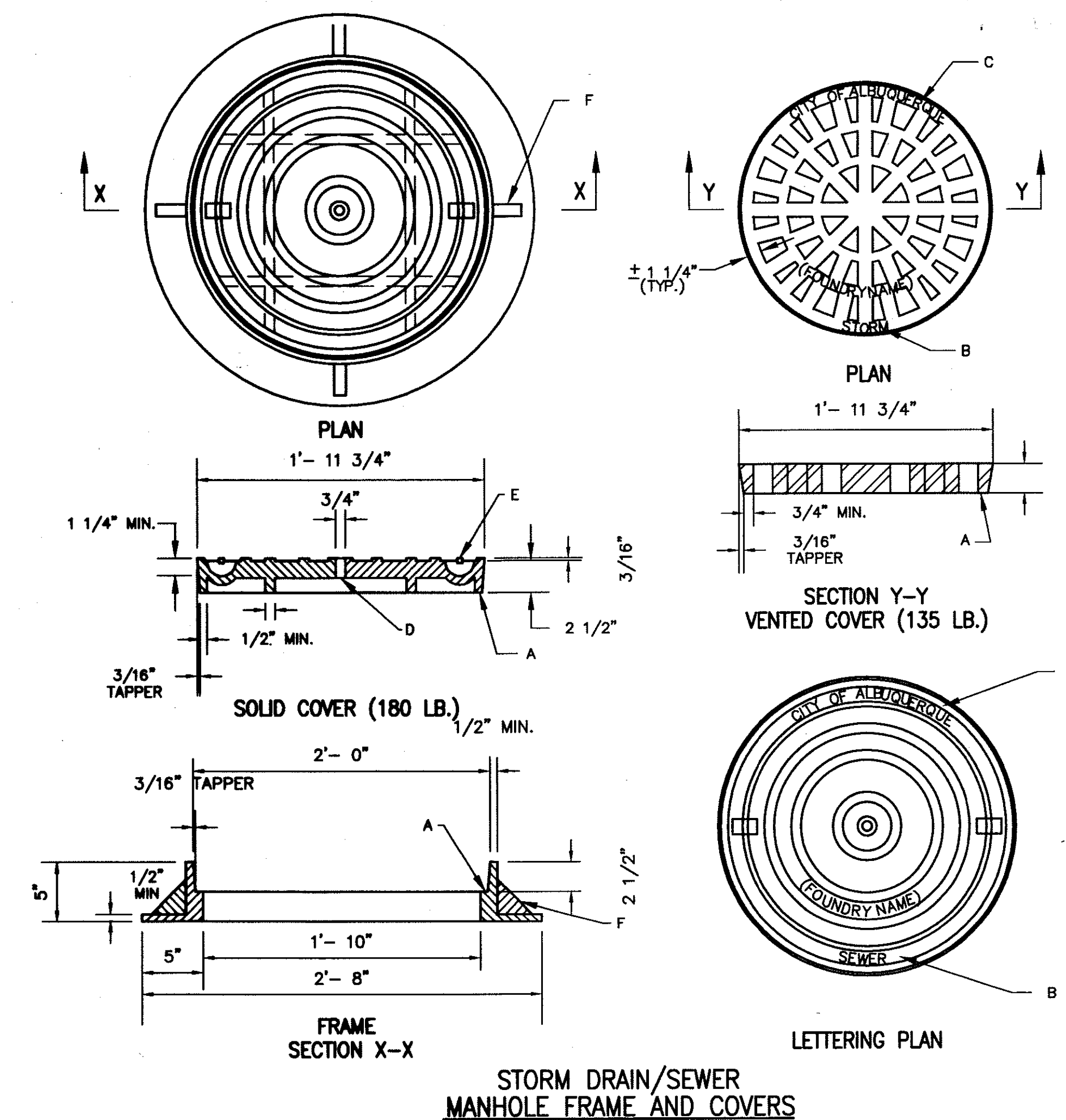
#### GENERAL NOTES:

1. TYPE E M.H. NOT TO BE USED FOR DEPTHS LESS THAN 6' MEASURED FROM INV. TO RIM.
2. M.H. GREATER THAN 18' IN DEPTH SHALL BE OF PRECAST CONC. SECTIONS ONLY.
3. DESIGN APPLIES TO 4' AND 6' I.D. MANHOLES.
4. USE NON-SHRINK GROUT FOR JOINTS, FILLETS & PIPE PENETRATIONS.
5. COMPACT ALL BACKFILL AROUND M.H. TO 95%.
6. POSITION M.H. OPENING OVER THE UPSTREAM SIDE OF MAIN LINE.

#### CONSTRUCTION NOTES:

- A. CONCRETE PIPE SUPPORTS SHALL EXTEND OUTSIDE OF M.H. TO BELL OF FIRST JOINT AND SHALL CRADLE PIPE TO SPRING LINE.
- B. PIPE PENETRATION INTO MANHOLE SHALL BE FLUSH TO 2" MAX., MEASURED AT SPRINGLINE OF PIPE.
- E. USE MAX. 4 COURSES OR MS BRICK ON UNPAVED STREET FOR FUTURE ADJ. OF FRAME TO PAVEMENT GRADE. PLASTER INSIDE WITH 1/2" MORTAR.
- F. BASE TO BE POURED IN PLACE USING NO. 4 BARS AT 6" O.C. EA. WAY FOR M.H. DEPTH OF 16' OR GREATER. NO. 4 BARS AT 12" O.C. EA. WAY FOR M.H. LESS THAN 16' DEEP.
- G. INV. ELEV. OF STUB OR LATERAL AS SHOWN ON PLANS.
- H. 6" GROUT FILLET ON UPPER HALF OF PIPE AND AROUND BASE.
- I. USE A 5' X 5' CONCRETE PAD IN ALL AREAS.
- J. M.H. FRAME AND COVER, SEE DWG. 2110.
- K. CONCRETE FILL, 3000 PSI.
- L. SLOPE 1" PER FT. FROM PIPE CROWN.
- M. SHELVE TO BE 9" WIDE MIN.
- N. APPROVED WATERSTOP TO BE WITH TYPE OF PIPE.
- O. STEPS TO BE INSTALLED AS PER SPEC. SECTION 920.4.7.
- P. EMD (IN UNPAVED AREAS).
- Q. IN UNPAVED AREAS SET FRAME TO GRADE AND SLOPE TOP OF PAD.

2102



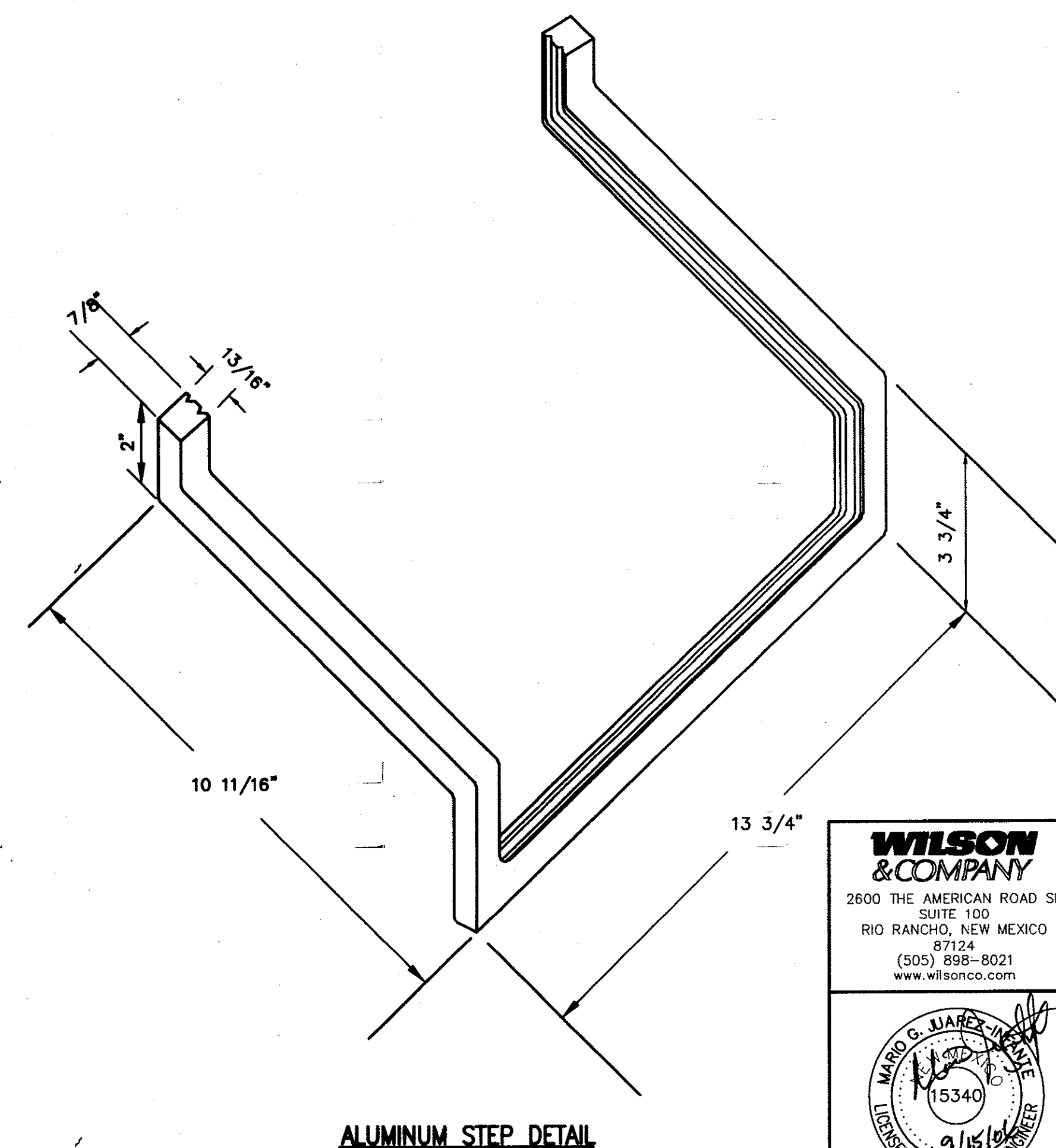
#### GENERAL NOTES:

1. STANDARD CAST IRON M.H. FRAME AND COVER. WEIGHTS: COVER = 180 LBS., FRAME = 145 LBS. TOTAL = 325 LBS. (TOLERANCE  $\pm$  5%)
2. REFERENCE SPEC. SECTION 130.

#### CONSTRUCTION NOTES:

- A. MACHINED OR GROUND BEARING SURFACES.
- B. "SEWER", "WATER", OR "STORM" CAST ON COVER TO IDENTIFY SANITARY SEWER, WATER OR STORM DRAINAGE SYSTEMS RESPECTIVELY.
- C. LETTER SIZE TO BE 1" MIN. IN HEIGHT, TYPICAL.
- D. VENT HOLE REQUIRED.
- E. MONOLITHIC CAST IRON OR STEEL ROD INSERTS AT MANUFACTURER'S OPTION. IF INSERT IS PROVIDED IT MUST HAVE 3/16" MIN. COVER AND 3/4" END EMBEDMENT IN CASTING.
- F. GUSSETS OPTIONAL IF REQUIRED BY MANUFACTURER.

2110



#### GENERAL NOTES:

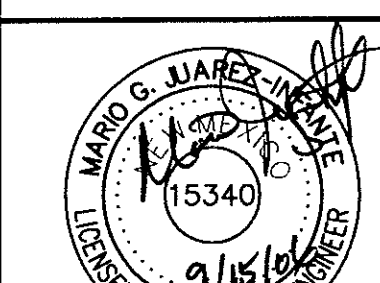
1. ALUMINUM STEP, ALCOA NO. 12653A OR APPROVED EQUAL.
2. ALTERNATE STEP SHALL BE POLYPROPYLENE MOLDED OVER 1/2" STEEL REINFORCEMENT MODEL NO. PS-2-PFS, M.A. INDUSTRIES INC., OR APPROVED EQUAL.
3. STORM INLETS: INLETS GREATER THAN 4' DEEP SHALL HAVE ALUMINUM. STEPS INSTALLED IN UPSTREAM FACE OF INLET WALLS. STEPS SHALL PROTRUDE 7" FROM THE WALL AND BE CENTERED 12" FROM FACE OF CURB. STEPS SHALL BE 12" APART, WITH THE TOP STEP  $\pm$ 18" FROM TOP OF GRATE AND THE BOTTOM STEP NO MORE THAN 16" ABOVE THE CONCRETE FILL IN THE BOTTOM OF THE INLET.

#### CONSTRUCTION NOTES:

1. 1/2" GRADE 60 STEEL REINFORCEMENT.

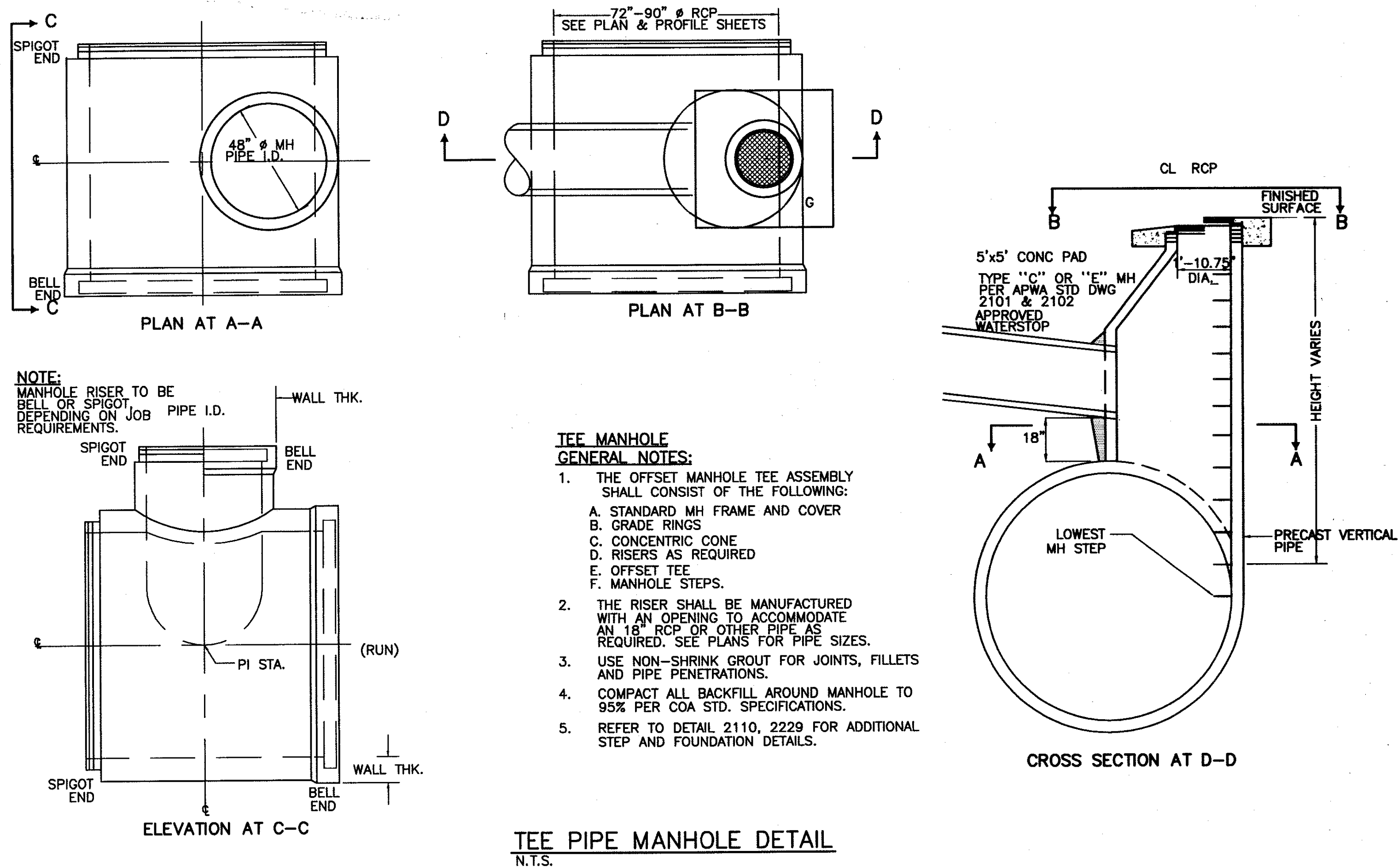
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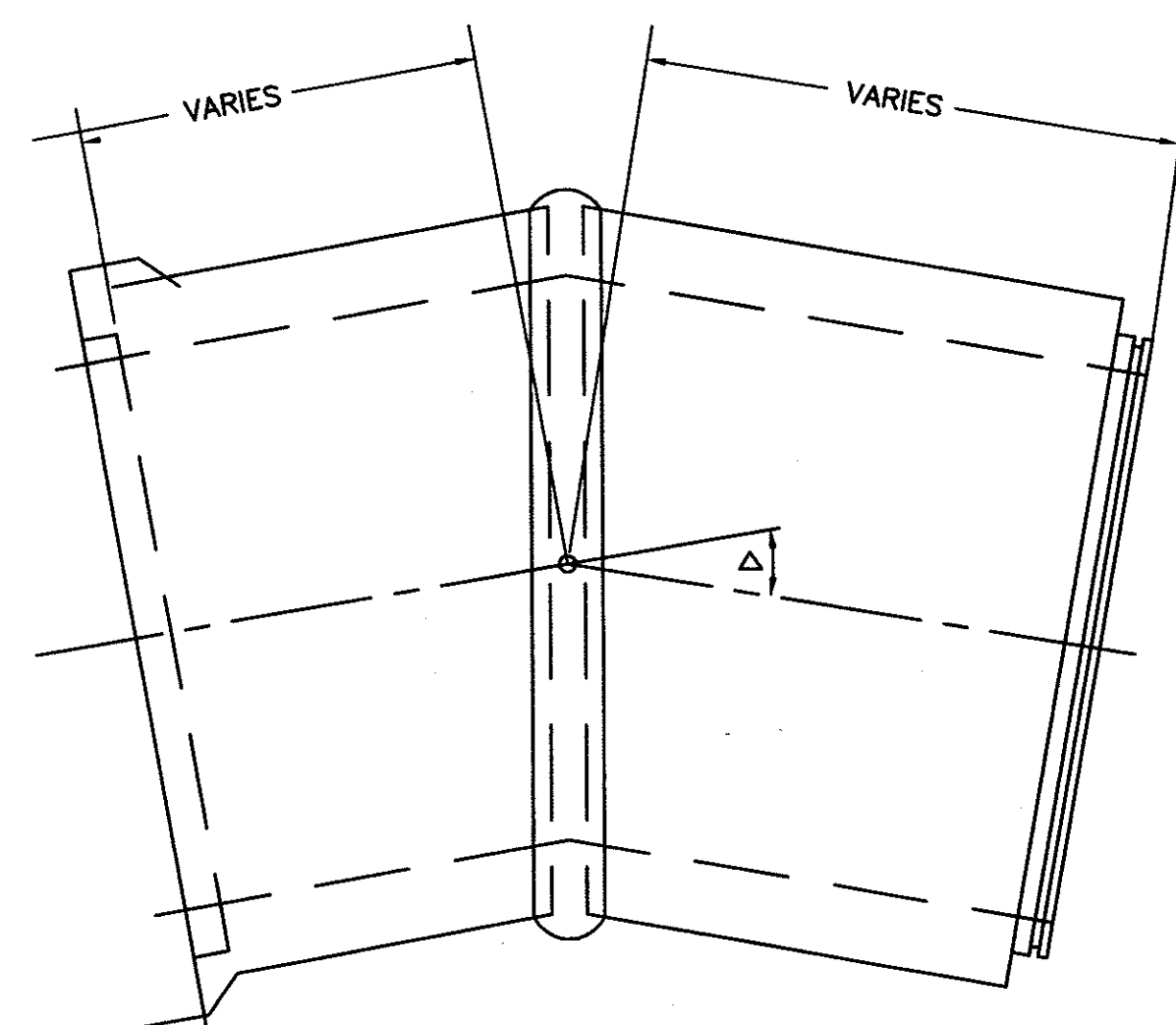


| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP |                        |             |             |
|---------------------------------------------------------------------|------------------------|-------------|-------------|
| WESTSIDE BOULEVARD S.E.<br>STORM DRAIN DETAILS                      |                        |             |             |
| Design Review Committee                                             | City Engineer Approval | Mo./Day/Yr. | Mo./Day/Yr. |
| DESIGN REVIEW COMMITTEE                                             | CITY ENGINEER          |             |             |
| City Project No.                                                    | Zone Map No.           | Sheet       | Of          |
| 7718.81                                                             | A-12 & A-13            | 33          | 71          |

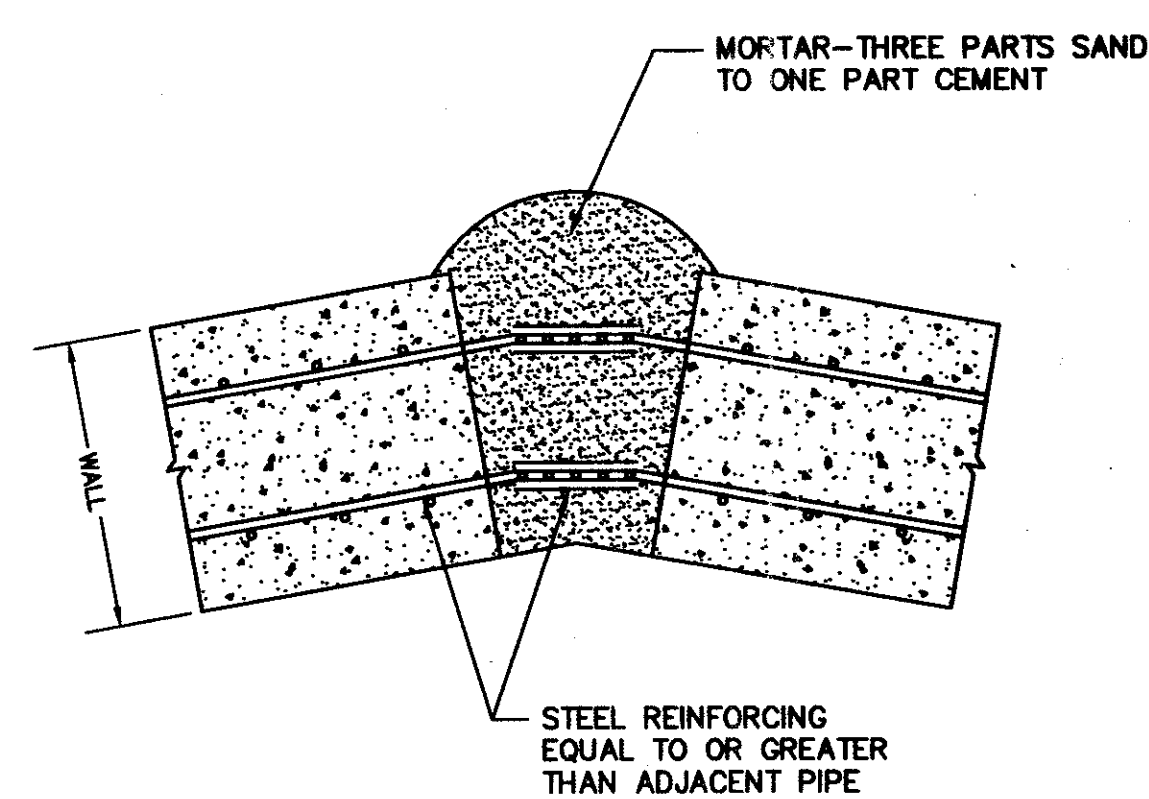
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**TWO PIECE ELBOW DETAIL**  
N.T.S.

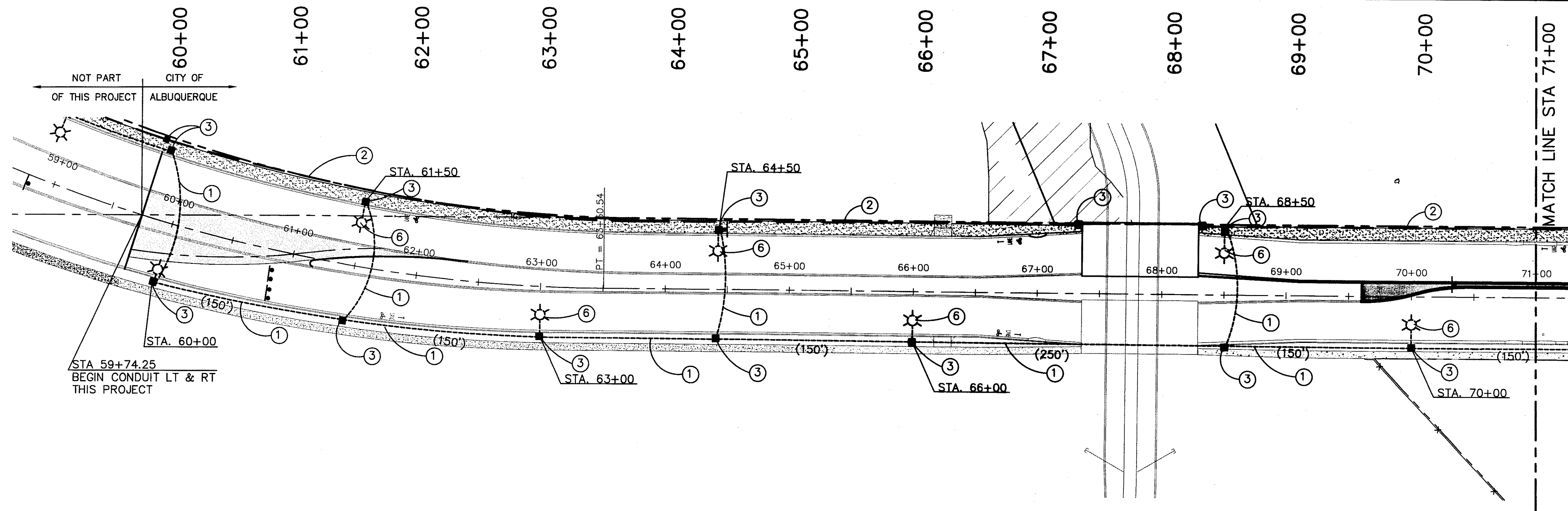


- GENERAL NOTES:**
1. GENERAL SPECIFICATIONS. ASTM C 76, C 361.
  2. STEEL AREA IN ELBOW CONNECTION EXCEEDS THAT REQUIRED IN ADJACENT PIPE BARREL.
  3. THIS DRAWING IS NOT INTENDED TO SHOW REINFORCEMENT DESIGN EITHER AS TO PLACEMENT OR STEEL AREA. ACTUAL PROJECT SPECIFICATION WILL GOVERN.
  4. CONTACT CSR HYDRO CONDUIT FOR FURTHER DETAILS NOT LISTED.

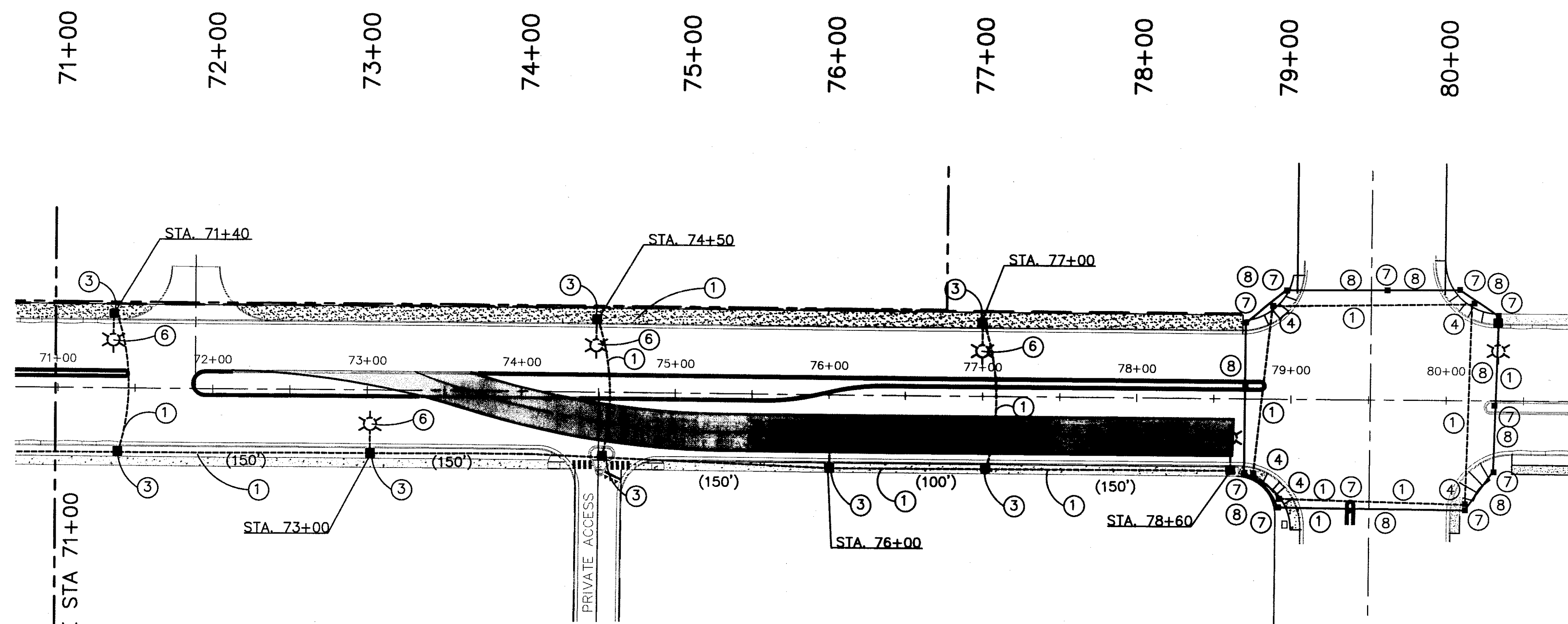
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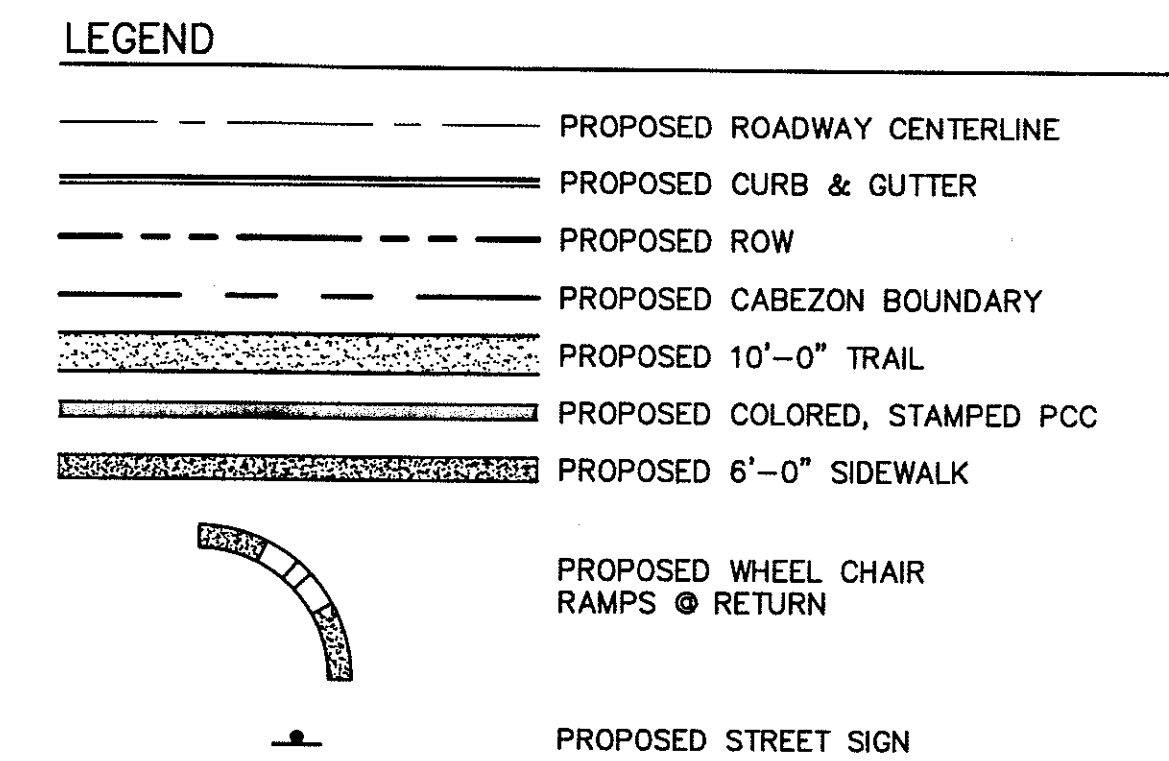
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|                                                                                                                                                |                             | <b>WESTSIDE BOULEVARD S.E.<br/>         STORM DRAIN DETAILS</b>     |                        |             |  |
|                                                                                                                                                | Design Review Committee<br> | City Engineer Approval<br>                                          | Mo./Day/Yr.<br>4/18/05 | Mo./Day/Yr. |  |
|                                                                                                                                                | City Project No.<br>7718.81 | Zone Map No.<br>A-12 & A-13                                         | Sheet<br>34            | Of<br>71    |  |



### WESTSIDE BOULEVARD SE

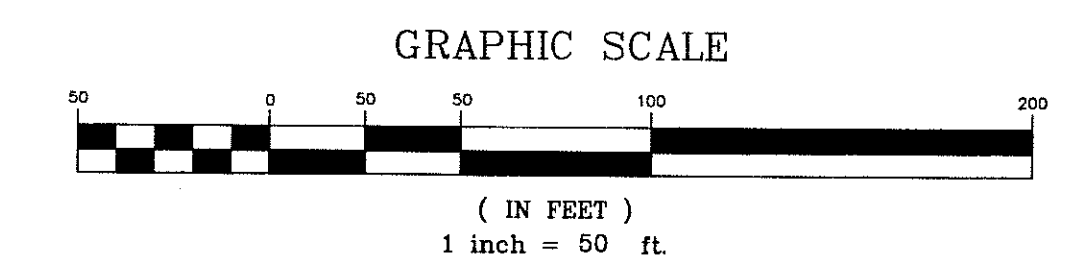


### WESTSIDE BOULEVARD SE



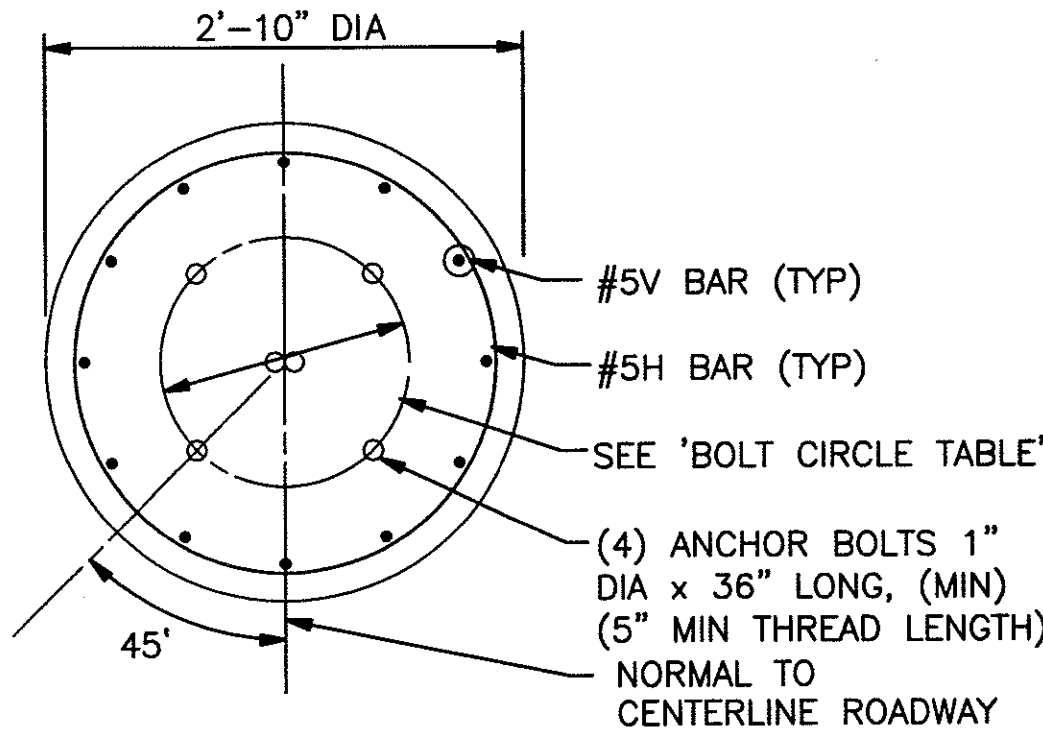
### KEY NOTES

- ① 2" RIGID ELECTRIC CONDUIT W/2-SINGLE COND. #2
- ② 4" RIGID ELECTRIC CONDUIT W/4-WAY INTERDUCT (F.O. CABLE BY COR.R.)
- ③ INSTALL STANDARD PULL BOX
- ④ INSTALL LARGE PULL BOX W/2-12" EXTENSION
- ⑤ INSTALL TRAFFIC SIGNAL MAN HOLE (F.O. SPLICE BOX) - 30"x48"x36" DEEP
- ⑥ FUTURE 40' TYPE V STANDARD (10' ARM) W/250W HPS-MC LUMINAIRE, BUILD NEW FOUNDATION
- ⑦ INSTALL LARGE BOX (FOR FUTURE SIGNAL)
- ⑧ INSTALL ONE 2" AND ONE 3" RIGID ELECTRIC CONDUIT (FOR FUTURE SIGNAL)

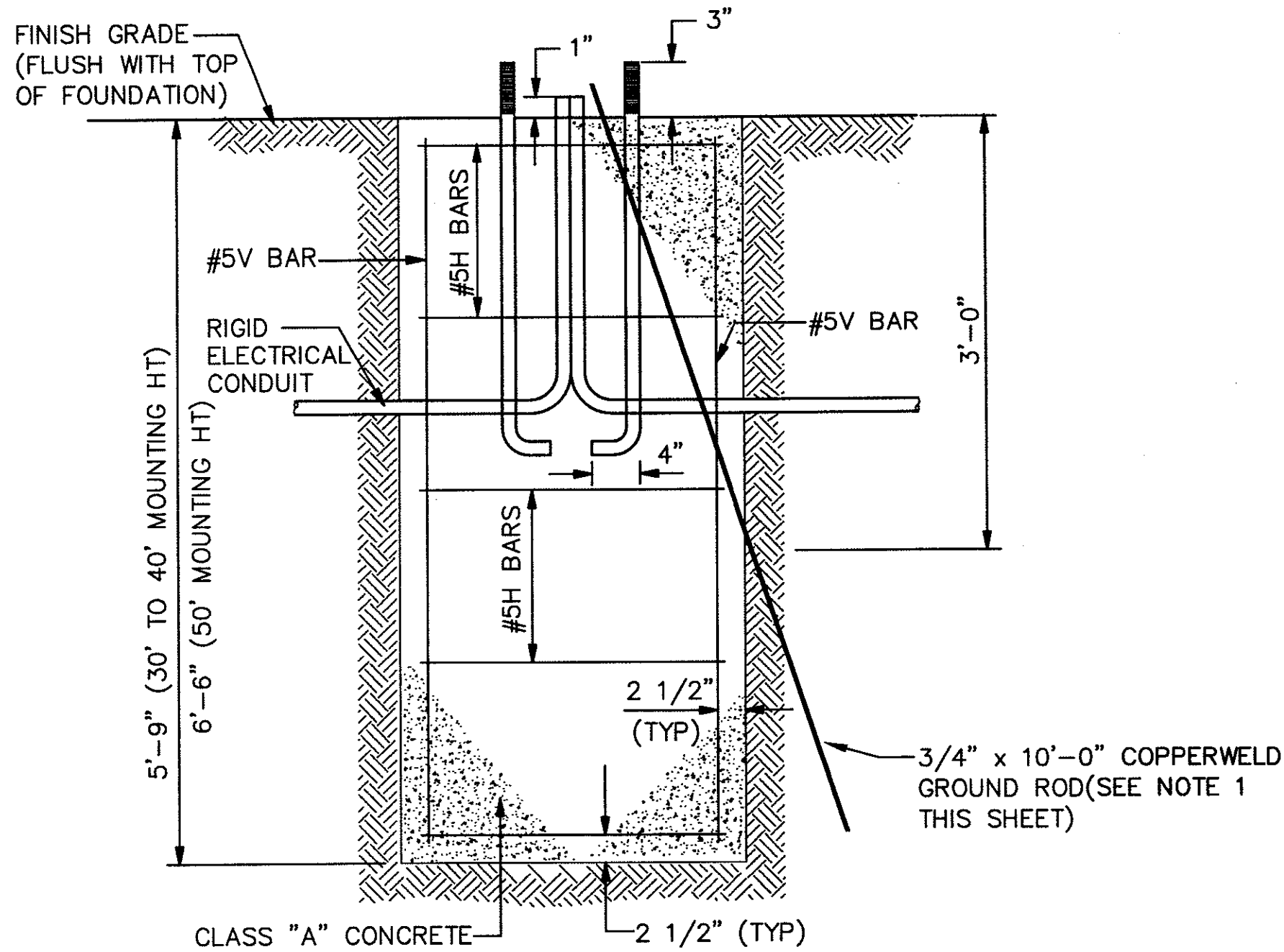


|                                                                                                                                                |                                         |                                                                                                                                                            |                      |
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| Design Review Committee<br>MAR 12 2007<br>DESIGN REVIEW COMMITTEE                                                                              | City Engineer Approval<br>CITY ENGINEER | Mo./Day/Yr.<br>_____                                                                                                                                       | Mo./Day/Yr.<br>_____ |
| City Project No.<br><b>7718.81</b>                                                                                                             | Zone Map No.<br><b>A-12 &amp; A-13</b>  | Sheet<br><b>35</b>                                                                                                                                         | Of<br><b>79</b>      |

| BOLT CIRCLE TABLE |                |             |
|-------------------|----------------|-------------|
| MOUNTING HEIGHT   | NUMBER OF ARMS | BOLT CIRCLE |
| 30'-35'           | 1 OR 2         | 11" TO 12"  |
| 40'               | 1              | 11" TO 12"  |
| 40'               | 2              | 14" TO 15"  |
| 50'               | 1              | 14" TO 15"  |
| 50'               | 2              | 14" TO 16"  |



PLAN

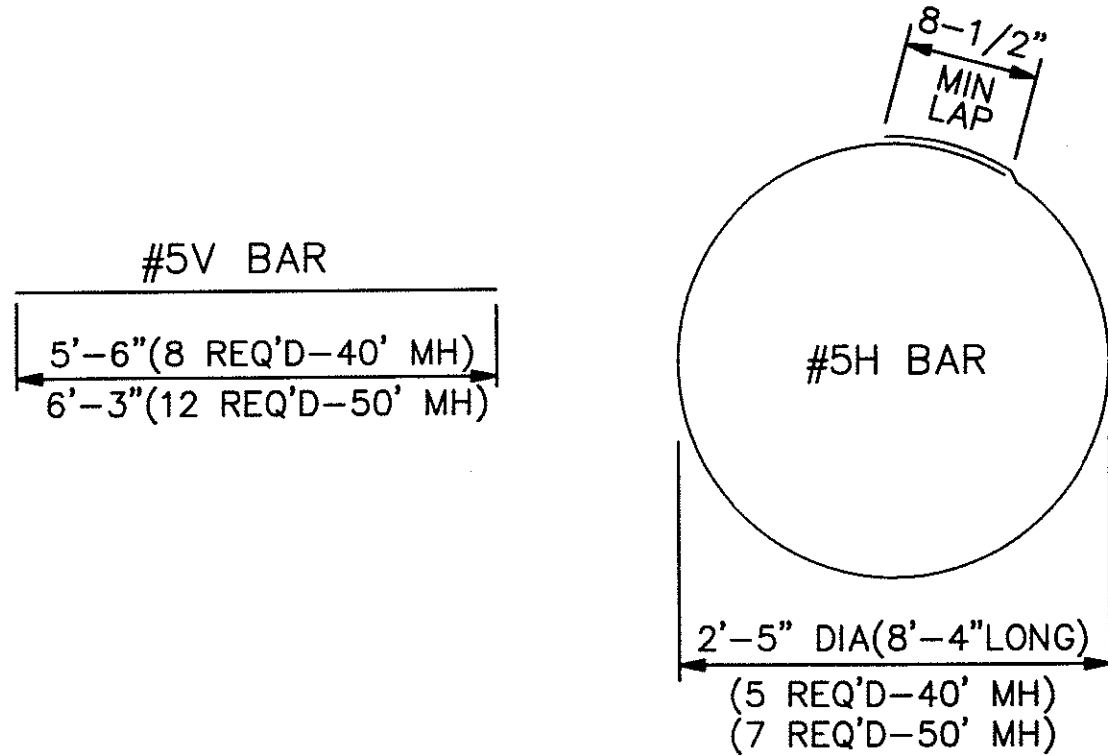


ELEVATION

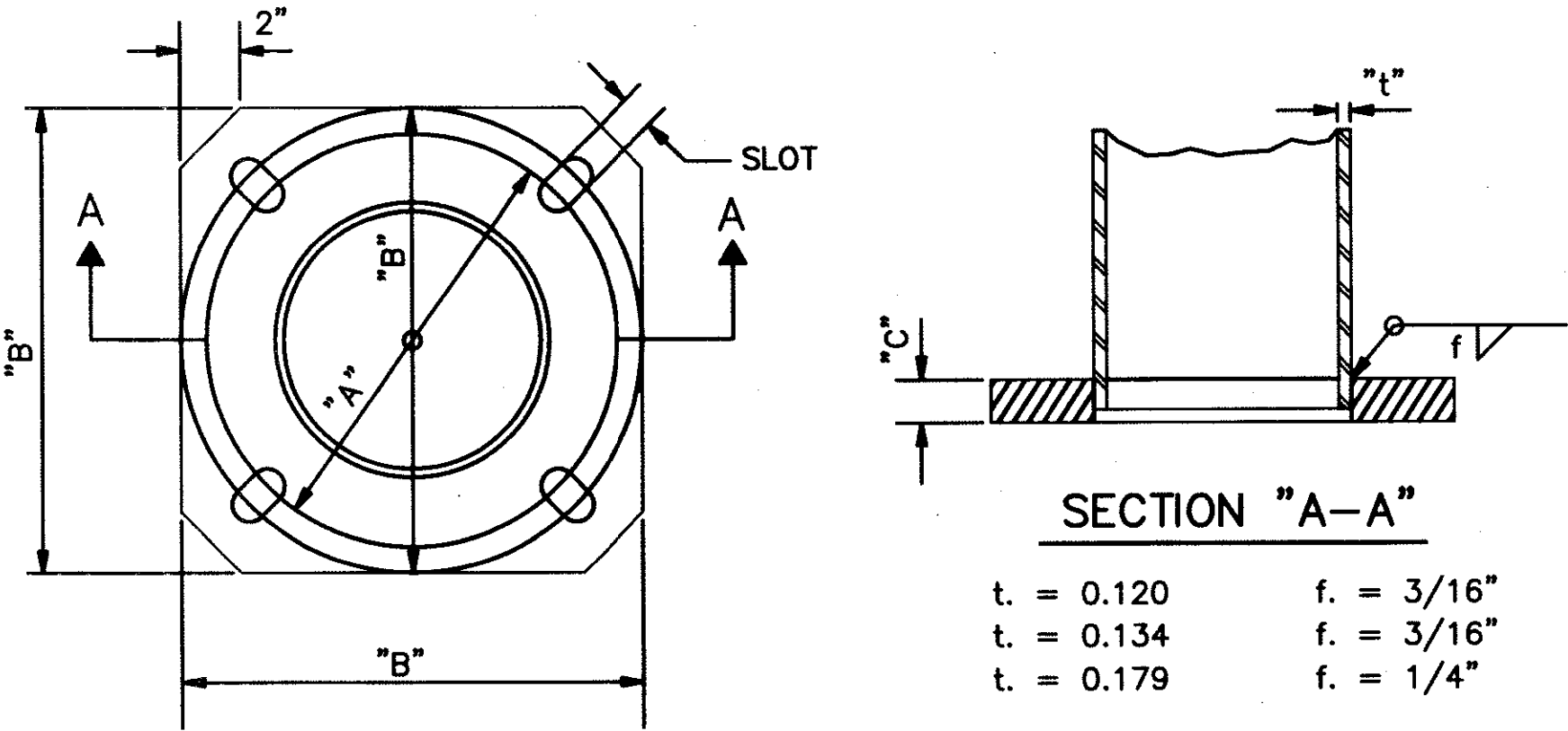
### FOUNDATION DETAILS

#### ESTIMATED FOUNDATION QUANTITIES

| ITEM                               | 30' TO 40' MOUNTING HT | 50' MOUNTING HT |
|------------------------------------|------------------------|-----------------|
| REINFORCING BARS, GRADE 60         | 92 POUNDS              | 139 POUNDS      |
| PORTLAND CEMENT CONCRETE CLASS "A" | 1.33 CU YDS            | 1.5 CU YDS      |



REINFORCING BARS

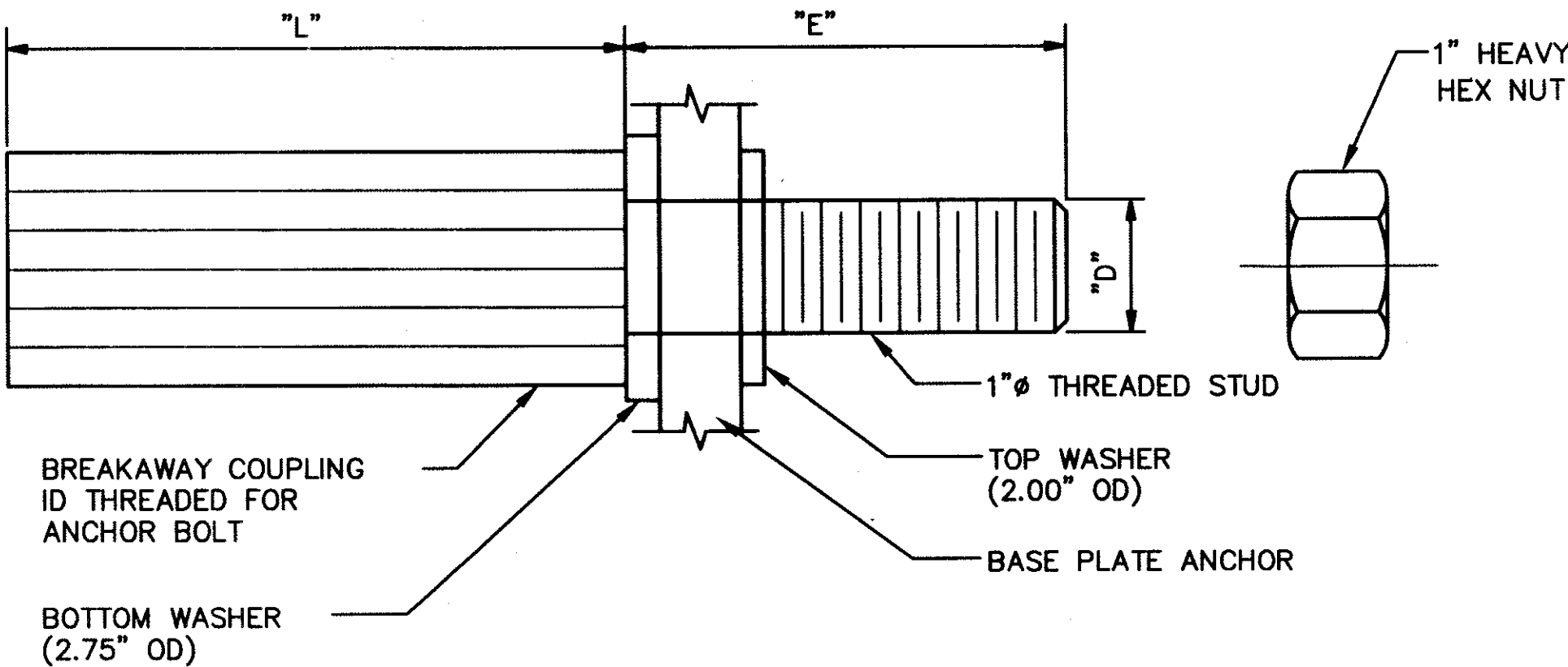


SECTION "A-A"

| DIMENSION TABLE |                |                     |         |    |               |
|-----------------|----------------|---------------------|---------|----|---------------|
| MOUNTING HEIGHT | NUMBER OF ARMS | DIMENSIONS (INCHES) |         |    |               |
|                 |                | A (MIN)             | B (MAX) | C  | SLOT          |
| 30'-35'         | 1 OR 2         | 11                  | 16      | 1" | 1.13" x 3.69" |
| 40'             | 1 OR 2         | 11                  | 16      | 1" | 1.13" x 3.69" |
| 50'             | 1 OR 2         | 14                  | 16      | 1" | 1.13" x 2.19" |

ANCHOR BASE SHALL BE FABRICATED FROM PLATE STEEL CONFORMING TO ASTM A-36 AND SHALL BE WELDED TO POLE SHAFT PRIOR TO GALVANIZING SHAFT.

### ANCHOR BASE DETAIL



| DIMENSION TABLE |        |                          |                  |          |                        |                |
|-----------------|--------|--------------------------|------------------|----------|------------------------|----------------|
| D               | THREAD | MINIMUM TENSILE STRENGTH | RESTRAINED SHEAR |          | NUT TORQUE ± 25 FT LBS | E              |
|                 |        |                          | MIN              | MAX      |                        |                |
| 1"              | 8 UNC  | 25 KIPS                  | 30 KIPS          | 7.5 KIPS | 175                    | 4-3/4" 3-5/16" |

BREAKAWAY SUPPORT COUPLING SHALL CONFORM TO THE REQUIREMENTS OF AASHTO STANDARDS FOR BREAKAWAY SUPPORTS.

BREAKAWAY COUPLINGS SHOULD NOT BE USED ON 50' DOUBLE ARM POLES.

COUPLING SHALL BE FABRICATED FROM EITHER DIE CAST ALUMINUM ALLOY 380 ACCORDING TO ASTM B-85, OR EXTRUDED FROM ALLOY 2024-T8511 ACCORDING TO ASTM A-153.

WASHERS SHALL BE FABRICATED FROM ASTM A-36 STEEL PLATE AND SHALL BE GALVANIZED ACCORDING TO ASTM A-153.

HEX NUTS SHALL MEET THE REQUIREMENTS OF ASTM A-563 GRADE A, AND ANSI 18.2.2 HEX TYPE AND SHALL BE GALVANIZED ACCORDING TO ASTM A-153.

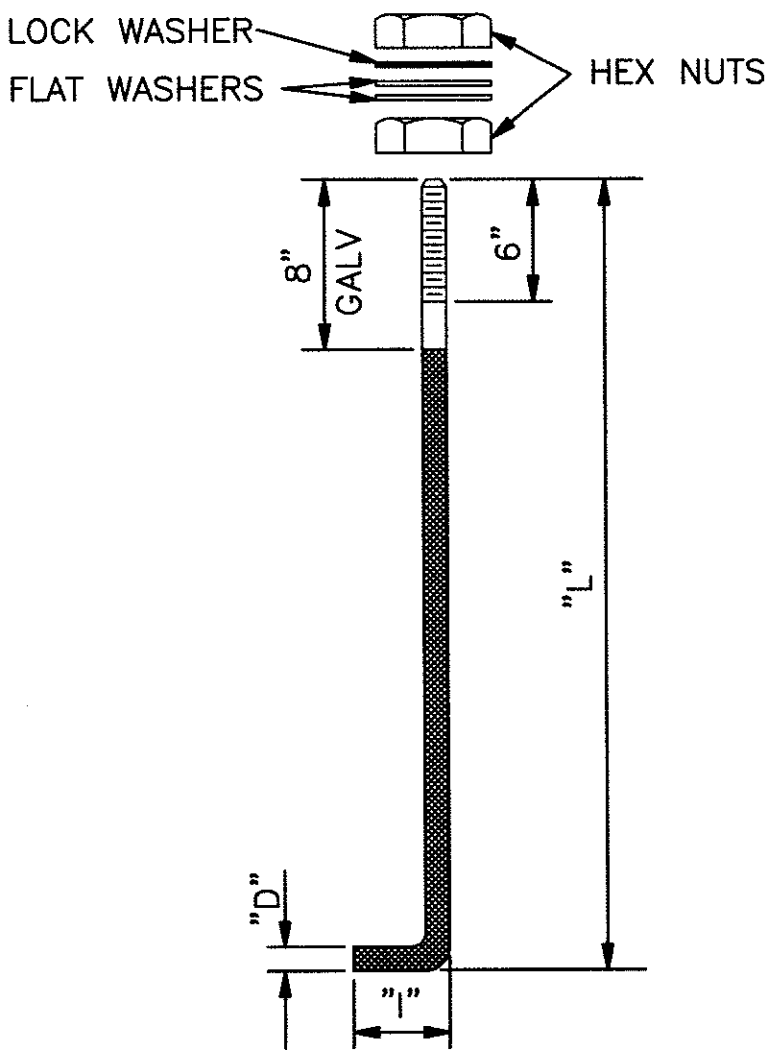
THREADED STUD SHALL MEET THE REQUIREMENT OF ASTM A-675 GRADE 90 AND IS GALVANIZED WITH ASTM A-153, OR IS FABRICATED FROM AISI STAINLESS STEEL.

WHEN COUPLINGS ARE FURNISHED, EACH LIGHT POLE SHALL BE FURNISHED WITH FOUR (4) COUPLINGS AND THREADED STUDS, EIGHT (8) FLAT WASHERS, AND FOUR (4) HEX NUTS.

### BREAKAWAY SUPPORT COUPLING

### GENERAL NOTES:

- ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS AS SHOWN WHICH SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE FOUNDATION. NO PRICE OR PAYMENTS SHALL BE MADE THEREFOR.
- WELDING SHALL BE IN ACCORDANCE WITH SECTION 1.4.2 OF AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS.
- ALUMINUM STANDARDS MAY UTILIZE EITHER AN APPROVED ALUMINUM BASE OR BREAKAWAY COUPLINGS.



| DIMENSION TABLE |                |    |    |   |     |
|-----------------|----------------|----|----|---|-----|
| MOUNTING HEIGHT | NUMBER OF ARMS | D  | L  | I | UNC |
| 30'-50'         | 1 OR 2         | 1" | 36 | 4 | 8   |

ANCHOR BOLTS SHALL BE HOT BENT AND SHALL MEET THE REQUIREMENTS OF ASTM A-675 GRADE 90, NUTS MEET THE REQUIREMENTS OF ASTM A-563 GRADE A, AND ANSI B18.2.

FLAT WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B27.2 HEAVY WASHERS.

LOCK WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B18.21.1 HEAVY WASHERS.

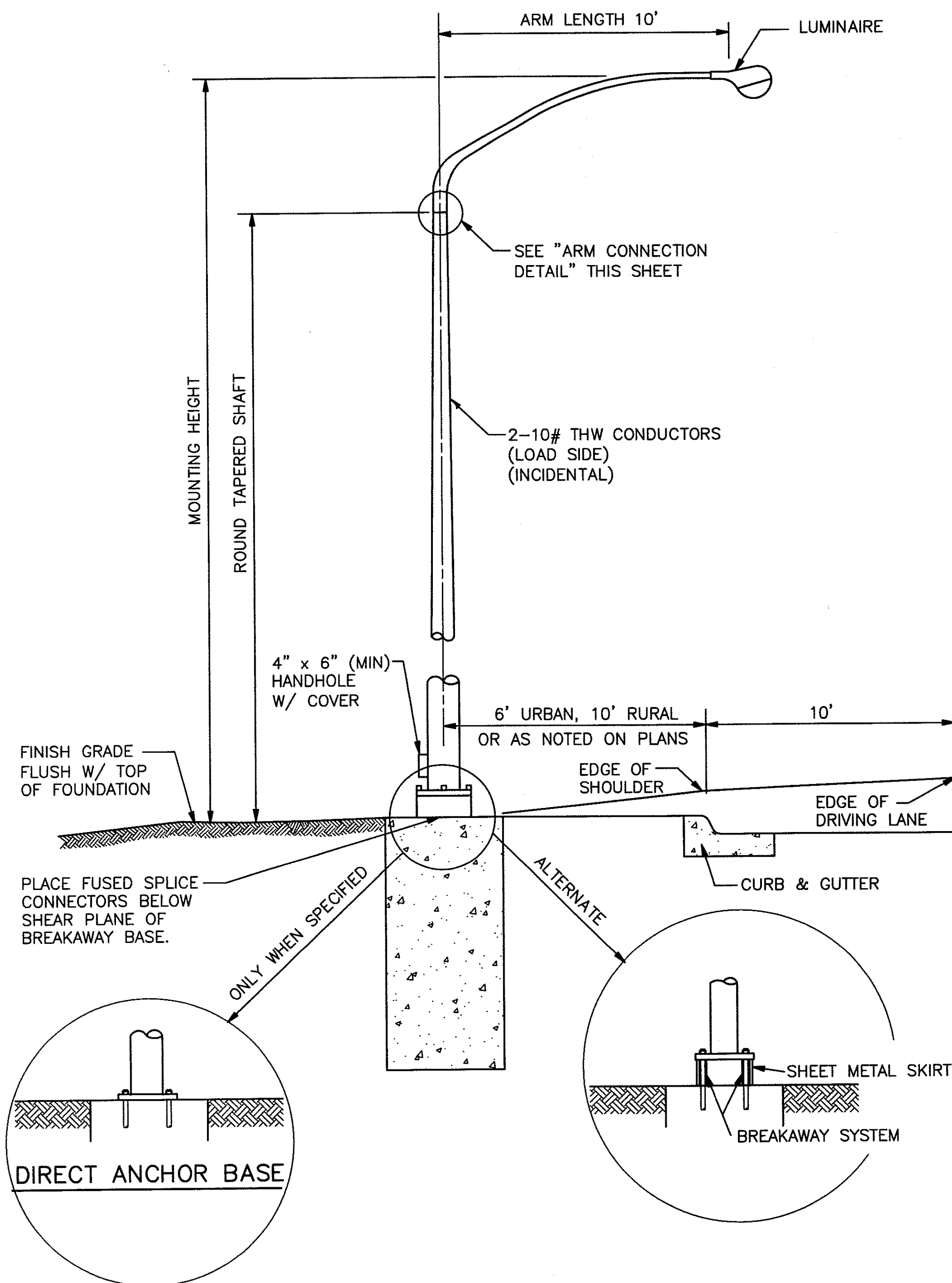
BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153.

FOUR (4) ANCHOR BOLTS, EIGHT(8) HEX NUTS, EIGHT (8) FLAT WASHERS, AND FOUR (4) LOCK WASHERS SHALL BE FURNISHED WITH EACH POLE.

NUTS, FLAT WASHERS, AND LOCK WASHERS FURNISHED FOR BREAKAWAY SUPPORTS SHALL BE SPECIFIED ON DETAILS.

### ANCHOR BOLTS

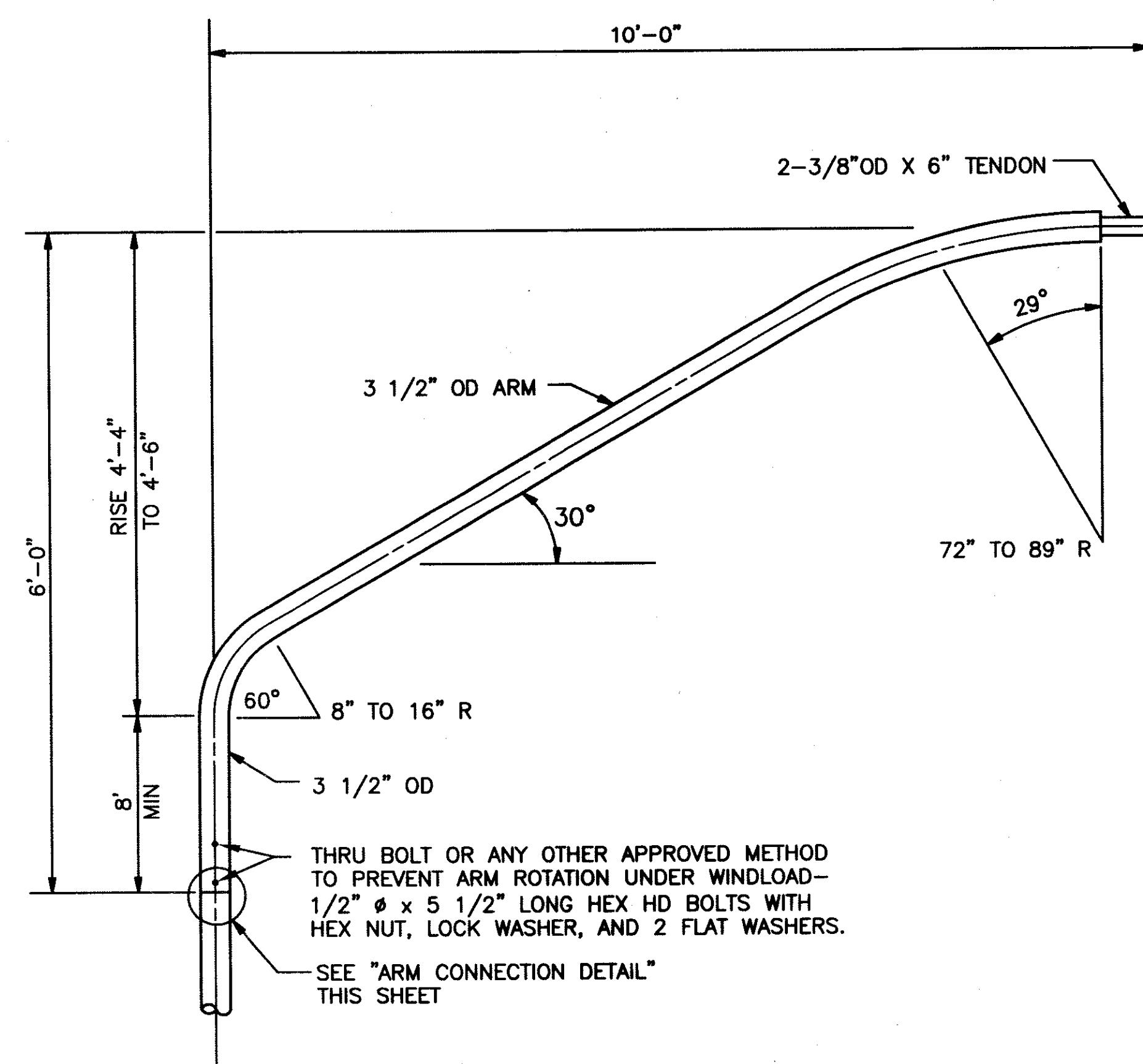
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|                                                                                                                                             | WESTSIDE BOULEVARD S.E.<br>LIGHTING PLAN<br>FOUNDATION DETAILS               |                                                                   |
|                                                                                                                                             | Design-Review Committee<br>APPROVE<br>MAR 12 2007<br>DESIGN REVIEW COMMITTEE | City Engineer Approval<br>APPROVE<br>MAR 12 2007<br>CITY ENGINEER |
|                                                                                                                                             | City Project No. 7718.81                                                     | Zone Map No. A-12 & A-13                                          |
| Last Design Update                                                                                                                          |                                                                              | Mo./Day/Yr.                                                       |
| Sheet 36                                                                                                                                    |                                                                              | Of 79                                                             |



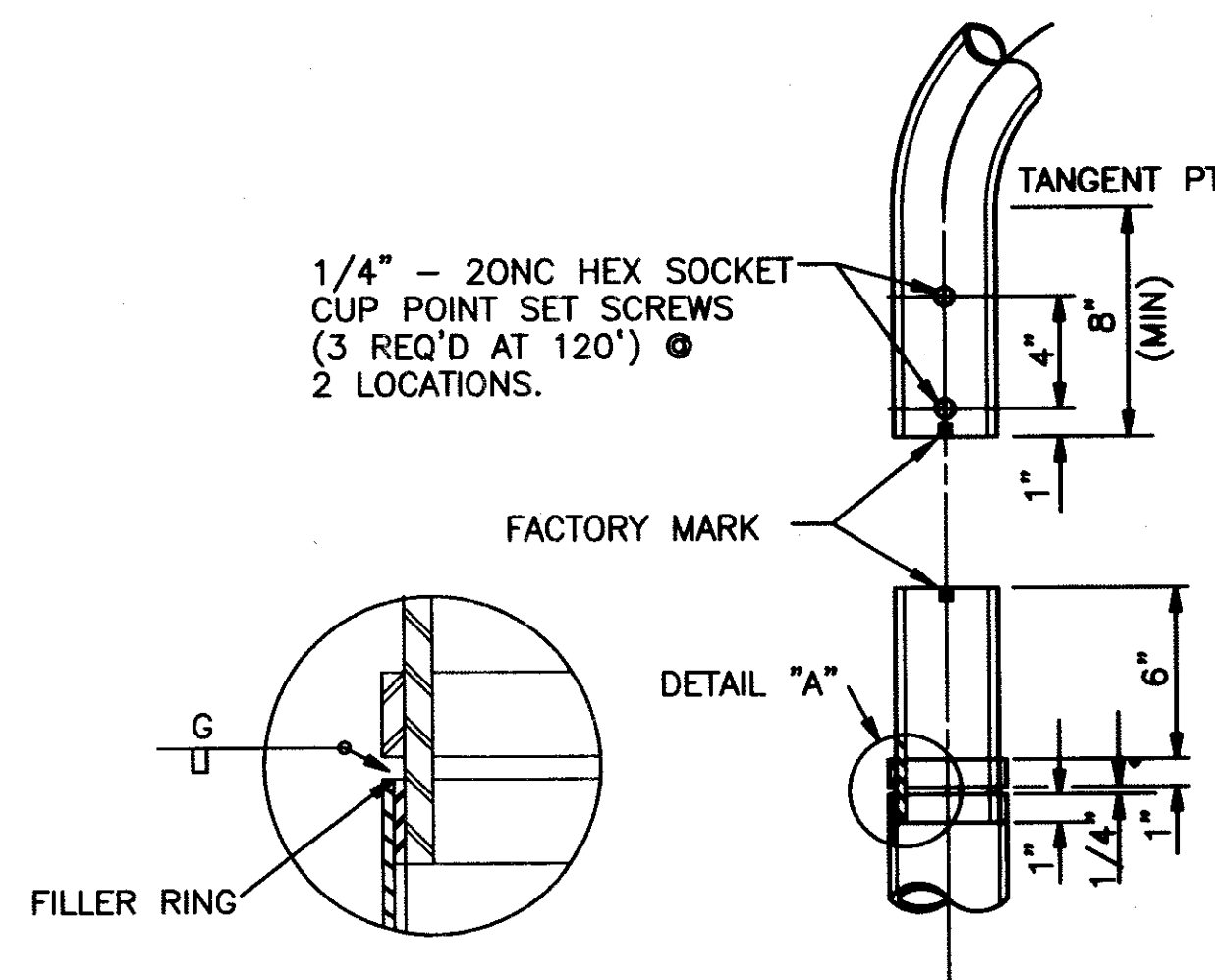
## TYPE "V" STANDARD INSTALLATION

### NOTES

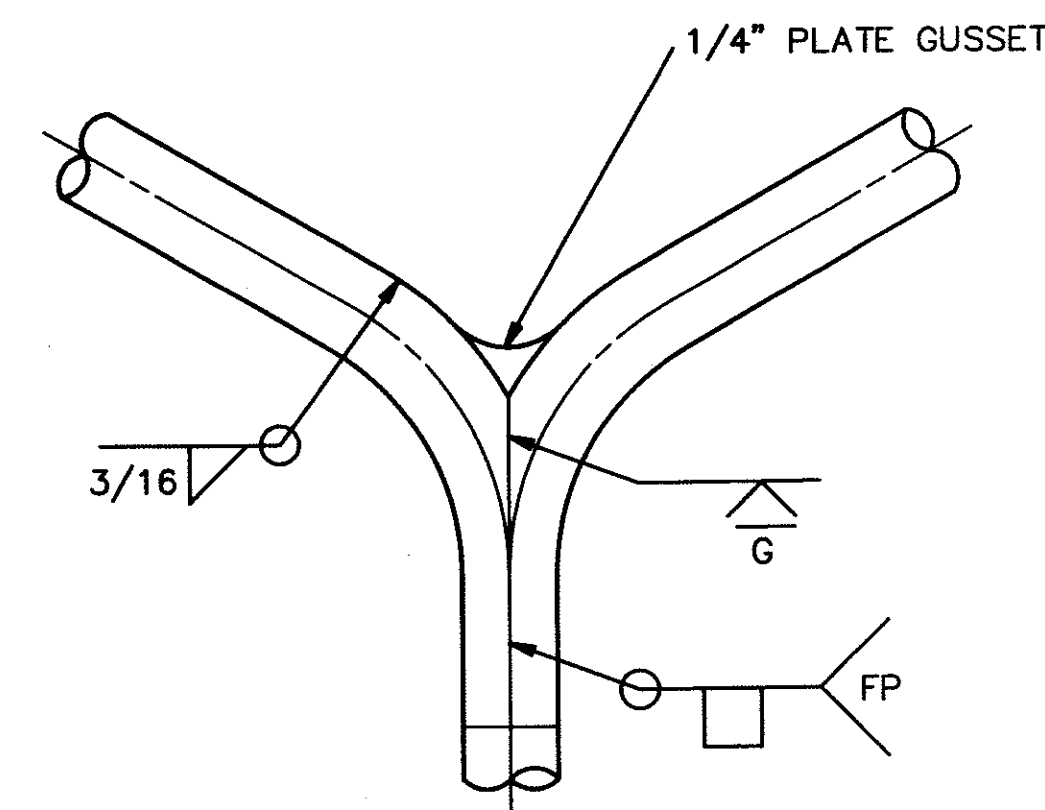
- MASTARM SHALL BE DAVIT STYLE. DIMENSIONS SHALL BE AS NOTED. ARM SHALL BE ATTACHED ON A SHAFT TENON AS DETAILED. SHAFT SHALL BE A ROUND TAPERED TUBE.
- NUTS, BOLTS OR FASTENERS SHALL COMPLY WITH ASTM A-307 OR AASHTO M-314 GRADE 55 AND BE ZINC PLATED, ASTM A-153 OR CADMIUM PLATED, ASTM A-165.
- BOLT GASKET SHALL BE 22 GAUGE STAINLESS STEEL SHEET OF 18-8 SERIES (301, 302, 303, 304).
- GROUTING SHALL BE IN ACCORDANCE TO SECTION 617 OF THE STANDARD SPECIFICATIONS.
- ACCEPTABLE TYPE V LIGHTING STANDARDS ARE VALMONT, HAPCO ALUMINUM, AND UNION METAL.
- DETAILS SHOWN ARE FOR STEEL POLES. PRE-APPROVED ALUMINUM POLES MAY BE USED.



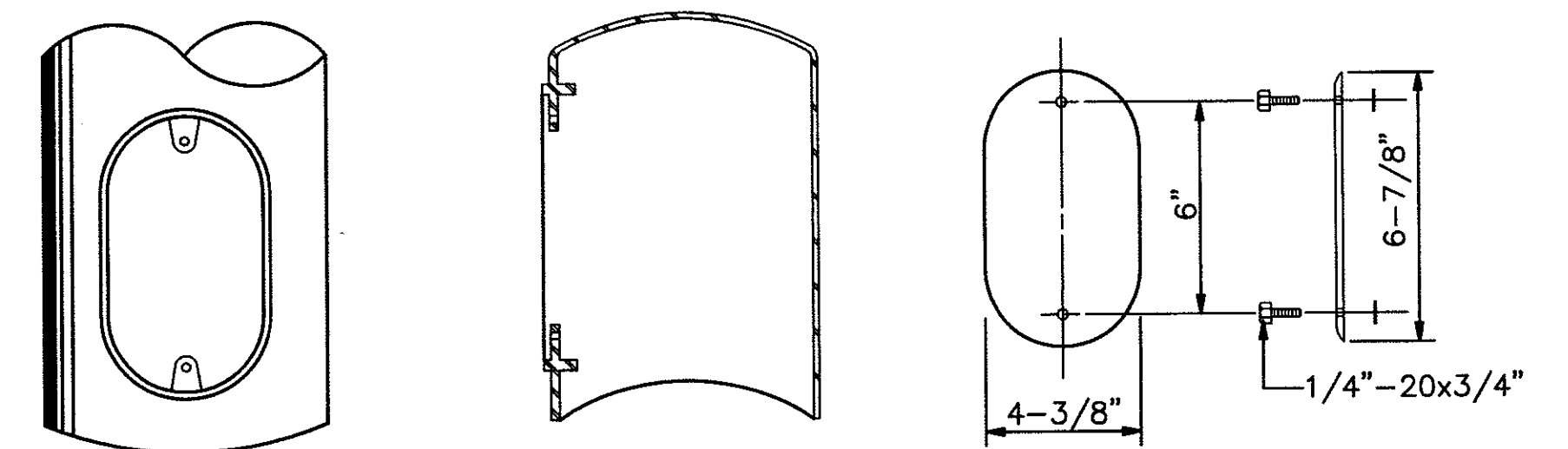
### ARM DETAIL



### DETAIL "A" ARM CONNECTION DETAIL



### DOUBLE ARM CONNECTION DETAIL



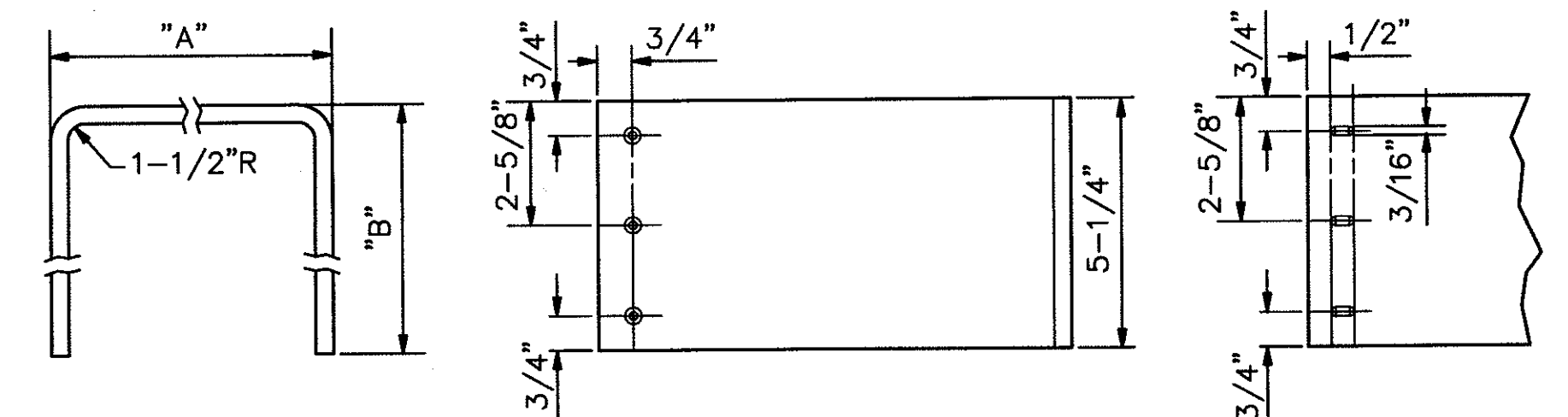
HANDHOLE REINFORCEMENT SHALL BE EITHER FORGED FROM STEEL CONFORMING TO ASTM A-576, GRADE 1021, OR FABRICATED FROM 3/16" WALL TUBING CONFORMING ASTM A-39; OR CAST FROM STEEL CONFORMING TO ASTM A-27, GRADE 65-35, OR FABRICATED WITH 6" STANDARD BLACK PIPE (0-0.280" WALL) ASTM A-53 GRADE B.

REINFORCEMENT SHALL BE WELDED TO THE POLE SHAFT IN THE 90 DEGREE LOCATION, PRIOR TO GALVANIZING POLE SHAFT. COVER SHALL BE FABRICATED FROM 3/16" SHEET STEEL OR ALUMINUM. STEEL COVER IS GALVANIZED ACCORDING TO ASTM A-153. COVER SHALL BE EQUIPPED WITH TWO (2) AISI 304 STAINLESS STEEL 1/4" - 20 x 3/4" HEX CAP SCREW AND TWO (2) CAPTIVE WASHERS.

PROVISION FOR INTERNAL GROUNDING SHALL BE PROVIDED BY A TAPPED HOLE.

HANDHOLE REINFORCEMENT SHALL STRENGTHEN POLE SHAFT SECTION TO THAT OF A SHAFT FABRICATED WITHOUT A HANDHOLE.

### HANDHOLE DETAILS



### SPECIFICATION:

SKIRT COVER SHALL BE FABRICATED FROM 1/16" SHEET ALUMINUM ALLOY 3003H14. SCREWS ARE SELF TAPPING #10 x 5/8" STAINLESS STEEL. WHEN COUPLINGS ARE SPECIFIED, EACH LIGHT POLE WILL BE FURNISHED WITH TWO (2) SKIRT COVER SECTIONS AND SIX (6) SCREWS.

### INTENDED USE:

THE SKIRT COVER IS USED TO ENCLOSE VOID UNDER POLES WITH BREAKAWAY SUPPORT COUPLINGS.

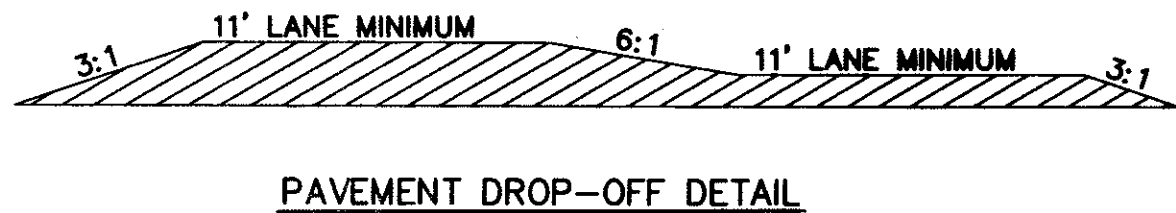
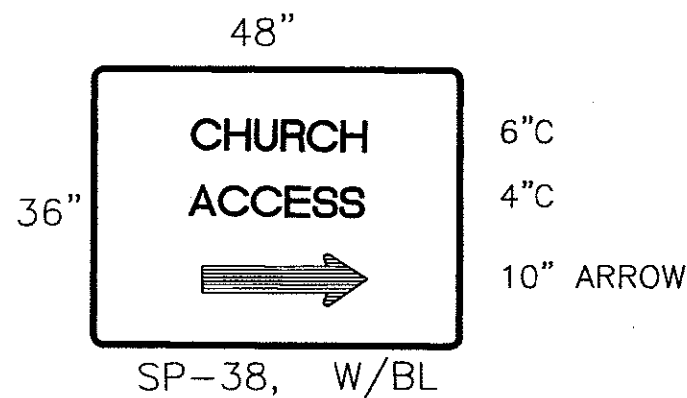
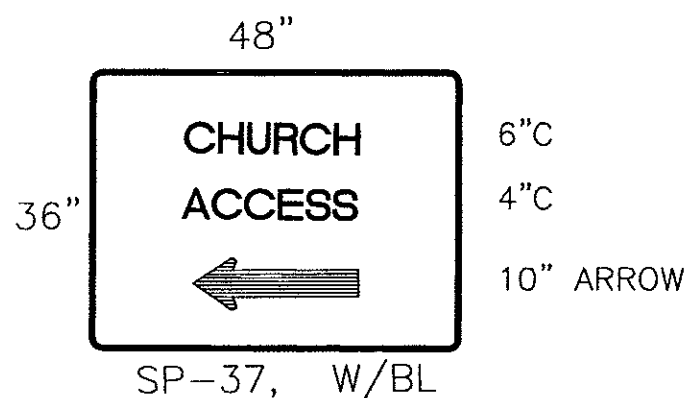
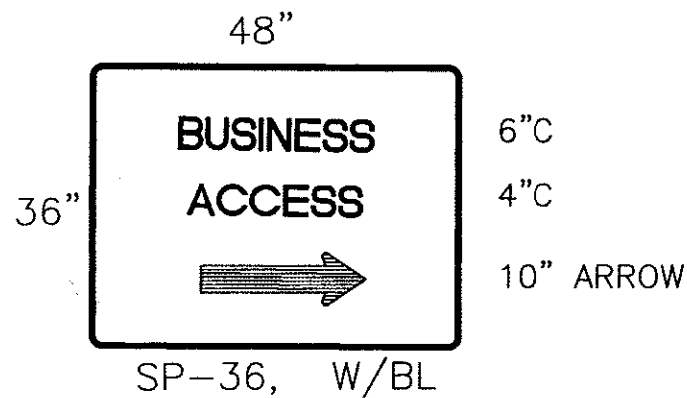
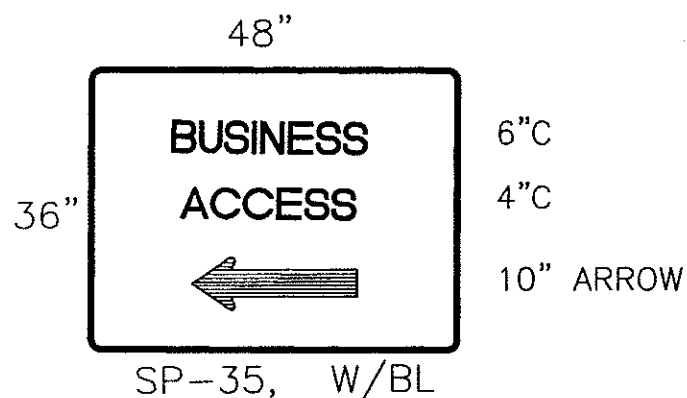
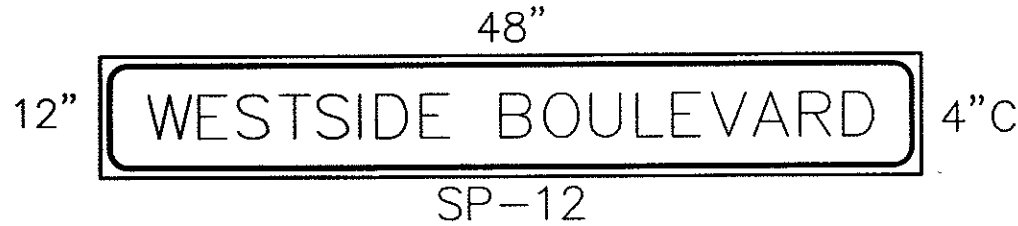
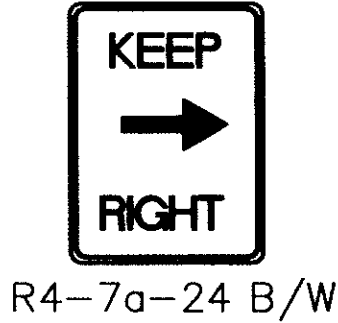
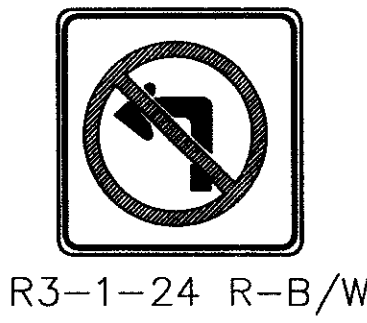
### SKIRT COVER DETAILS

|                                                                                                                                                |                                                                                    |                                    |
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|                                                                                                                                                | <b>WESTSIDE BOULEVARD S.E.</b><br><b>LIGHTING PLAN</b><br><b>TYPE "V" STANDARD</b> |                                    |
| Design Review Committee<br>APPROVED<br>MAR 12 2007<br>DESIGN REVIEW COMMITTEE                                                                  | City Engineer Approval<br>APPROVED<br>MAR 12 2007<br>CITY ENGINEER                 | Mo./Day/Yr.<br>Mo./Day/Yr.         |
| City Project No.<br><b>7718.81</b>                                                                                                             | Zone Map No.<br><b>A-12 &amp; A-13</b>                                             | Sheet<br><b>37</b> Of<br><b>79</b> |

WCEA #X421801201  
MAR 2007

TRAFFIC NOTES:

- 1 WORK ZONE INTERIM MARKINGS  
THE CONTRACTOR SHALL PLACE REFLECTORIZED PAINTED MARKINGS (ITEM NO. 704.000) ON EACH INTERMEDIATE LIFT OF SURFACING OR MILLED SURFACE AT THE END OF EACH DAY'S SURFACING OPERATION. THESE MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE DETAILS SHOWN IN FIGURE 1 OR FIGURE 1A ON SHEET \_\_\_\_\_. IN THE EVENT THE PAINTED MARKINGS CANNOT BE PLACED AS DESCRIBED ABOVE, THE CONTRACTOR SHALL, WITH THE APPROVAL OF THE PROJECT MANAGER, PLACE MARKING TAPE OR TEMPORARY REFLECTIVE RAISED PAVEMENT MARKERS IN ACCORDANCE WITH THE DETAILS SHOWN IN FIGURE 1 OR FIGURE 1A ON SHEET \_\_\_\_\_ OR AS DIRECTED BY THE PROJECT MANAGER. PAYMENT FOR MARKING TAPE SHALL BE MADE USING THE UNIT PRICE OF REFLECTORIZED PAINTED MARKINGS (ITEM NO. 704.000).
- THE CONTRACTOR SHALL PLACE REMOVABLE MARKING TAPE (ITEM NO. 704.100) AFTER PLACEMENT OF THE FINAL LIFT OF SURFACING IF PERMANENT MARKINGS ARE NOT PLACED DURING THE SAME WORKING DAY. THESE MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE DETAILS SHOWN IN FIGURE 1 OR FIGURE 1A ON THIS SHEET OR AS DIRECTED BY THE PROJECT MANAGER.
- ON ROADWAYS WITH SEVERE CURVATURE, BROKEN-LINE INTERIM MARKINGS WITH HALF-CYCLE LENGTHS AND A MINIMUM OF 2' (0.6m) STRIPES OR A GROUP OF TWO TEMPORARY REFLECTIVE PAVEMENT MARKERS SPACED 2' (0.6m) APART MAY BE USED WHERE PASSING IS ALLOWED. INTERIM EDGE LINES OR CHANNELIZATION FOR DELINEATION MAY BE USED AS NEEDED OR AS DIRECTED BY THE PROJECT MANAGER. PASSING/NO PASSING ZONE SIGNING TO SUPPLEMENT INTERIM MARKINGS SHOULD BE USED AS NEEDED OR AS DIRECTED BY THE PROJECT MANAGER. ALL INTERIM MARKINGS SHALL BE IN ACCORDANCE WITH THE MUTCD AND CURRENT REVISIONS.
- 2 PAVEMENT DROP-OFF GUIDELINE  
IN THE AREAS OF PAVEMENT OPERATIONS OR OTHER ACTIVITIES WITHIN THE TRAVELED WAY AND ADJACENT TO THE EXISTING TRAVELED LANE, THE CONTRACTOR SHALL ASSURE THAT NO PAVEMENT DROP-OFFS ARE LEFT EXPOSED DURING NON-WORKING HOURS. THE CONTRACTOR SHALL INITIATE CORRECTIVE MEANS AS PER THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT PAVEMENT DROP-OFF GUIDELINE TO ACHIEVE A MINIMUM 6:1 SLOPE BETWEEN TRAVELED LANES AND A MINIMUM 3:1 SLOPE ADJACENT TO THE EXISTING TRAVELED LANE WITH TWO 11 FOOT DRIVING LANES AS SHOWN IN THE DETAIL BELOW. THIS WORK SHALL BE INCIDENTAL TO CONSTRUCTION AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
- 3 FLAGGING OPERATIONS  
THE FLAGGER, APPLICABLE SIGNS AND OTHER RELATED ITEMS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
- FLAGGERS AND CORRESPONDING SIGNING SHALL BE USED FOR CONSTRUCTION AT ALL INTERSECTIONS AND SIDE STREETS AS PER THESE PLANS OR PROJECT MANAGER'S DIRECTIONS AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
- FLOODLIGHTS SHALL BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT AS NEEDED. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
- 4 SHOULDER WORK OPERATIONS  
SHOULDER WORK CONSTRUCTION SHALL BE RESTRICTED TO ONE SIDE AT A TIME. THE CONTRACTOR SHALL SET TRAFFIC CONTROL SIGNING AND DEVICES TO DEFINE WORK ZONE AT THE BEGINNING OF EACH WORK DAY. THE CONTRACTOR SHALL COMPLETE ALL SHOULDER WORK STARTED WITHIN THE WORK ZONE AT THE BEGINNING OF THE WORK DAY SUCH THAT THE PROJECT (FULL LENGTH) CAN BE OPEN TO TWO-WAY TRAFFIC AT THE END OF THE WORK DAY.
- 5 DRIVEWAY ACCESS  
THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL DRIVEWAYS, TURNOUTS AND CITY STREETS FOR THE DURATION OF THE PROJECT. SEE SHEET \_\_\_\_ FOR DRUM PLACEMENT AT TURNOUTS DURING CONSTRUCTION.
- 6 STRUCTURE EXTENSION WORK  
STRUCTURE EXTENSION WORK SHALL BE LIMITED TO ONE SIDE AT A TIME.
- 7 SEQUENTIAL ARROW  
PLACEMENT OF THE SEQUENTIAL ARROW SHALL BE AT OR NEAR THE BEGINNING OF THE LANE CLOSURE TAPER. IN AREAS OF INSUFFICIENT PAVEMENT WIDTH, THE SEQUENTIAL ARROW MAY BE PLACED WITHIN THE TAPER, BUT NOT TO EXCEED 1/2 THE TAPER LENGTH. IN ALL CASES, THE SEQUENTIAL ARROW SHALL BE PLACED BEHIND THE CHANNELIZATION DEVICES. CONTRACTOR SHALL MAINTAIN ALL SEQUENTIAL ARROW BOARDS FOR THE LIFE OF THE PROJECT.
- 8 INTERSECTION CAPACITY  
WHEN THE CAPACITY OF AN INTERSECTION IS REDUCED THEN THE CONTRACTOR SHALL WORK CONTINUOUSLY, 24 HOURS A DAY UNTIL IT IS FULLY OPERATIONAL AND OPEN TO TRAFFIC.
- 9 STEEL POST AND BASE POSTS  
THE CONTRACTOR SHALL HAVE THE OPTION OF SUPPLYING EITHER SQUARE TUBING POSTS OR FLANGED CHANNEL U-POSTS (ITEM NO. 702.100 - STEEL POSTS AND BASE POSTS FOR CONSTRUCTION SIGNING) AS PER NMSHTD STANDARD SERIAL SN 75-1 OR DRAWING 33.
- 10 TRAFFIC CONTROL PLAN CHANGES  
NO PAYMENT WILL BE MADE FOR ANY ADDITIONAL COST RESULTING FROM APPROVED TRAFFIC CONTROL PLAN CHANGES REQUESTED BY THE CONTRACTOR.
- 11 REMOVE AND RESET SAND BARREL VEHICULAR IMPACT ATTENUATORS  
PAYMENT FOR REMOVING AND RESETING SAND BARREL VEHICULAR IMPACT ATTENUATORS SHALL BE INCIDENTAL TO (ITEM NO. 720.100 - SAND BARREL VEHICULAR IMPACT ATTENUATORS) AND NO DIRECT PAYMENT SHALL BE MADE.
- 12 BUSINESS ACCESS SHALL BE MARKED BY THE SIGN SHOWN BELOW. THE BUSINESS ACCESS SIGNS SHALL BE PLACED AS DIRECTED BY THE PROJECT MANAGER. ADDITIONAL BUSINESS ACCESS SIGNS MAY BE NECESSARY AS DIRECTED BY THE PROJECT MANAGER.



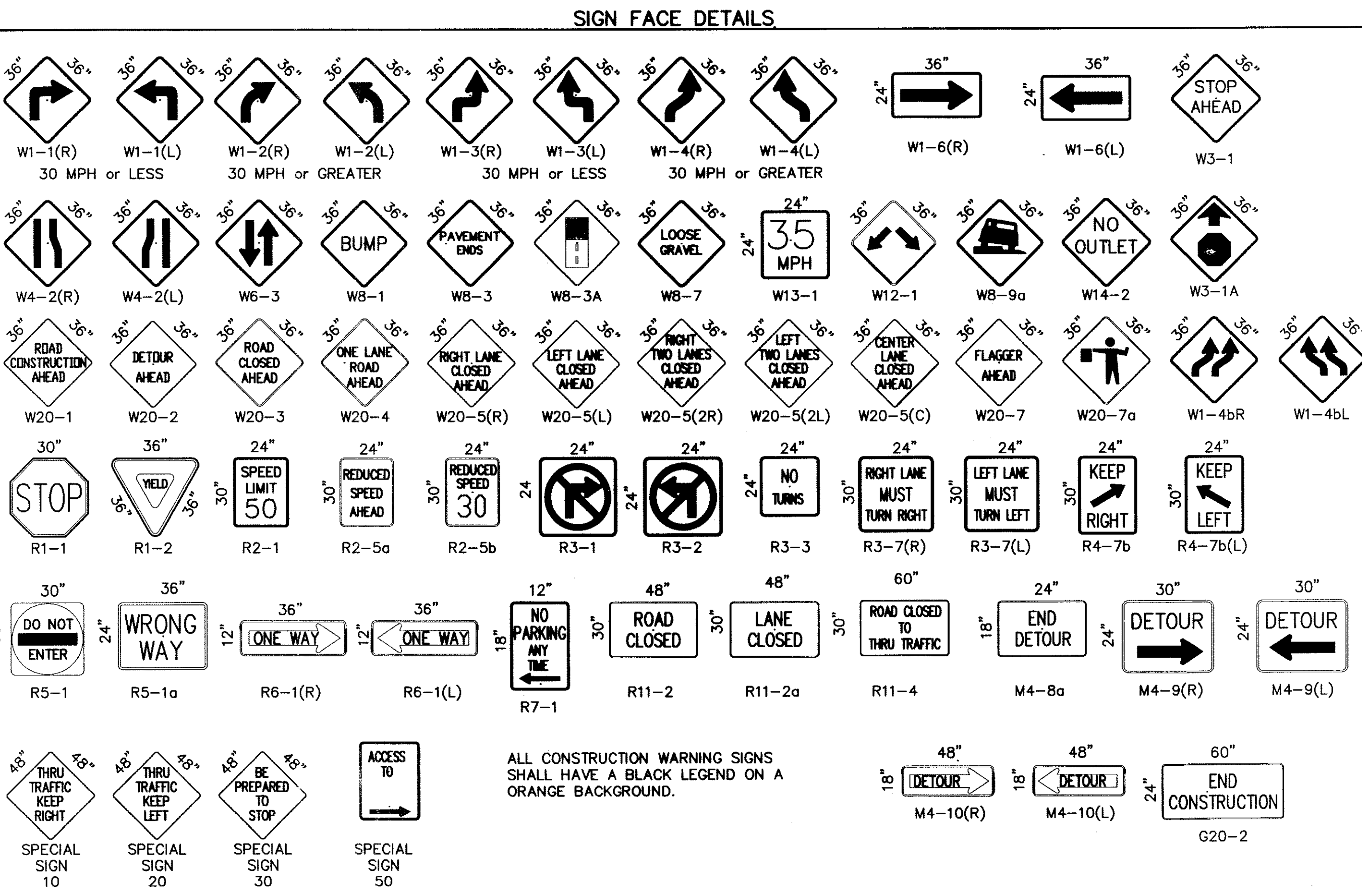
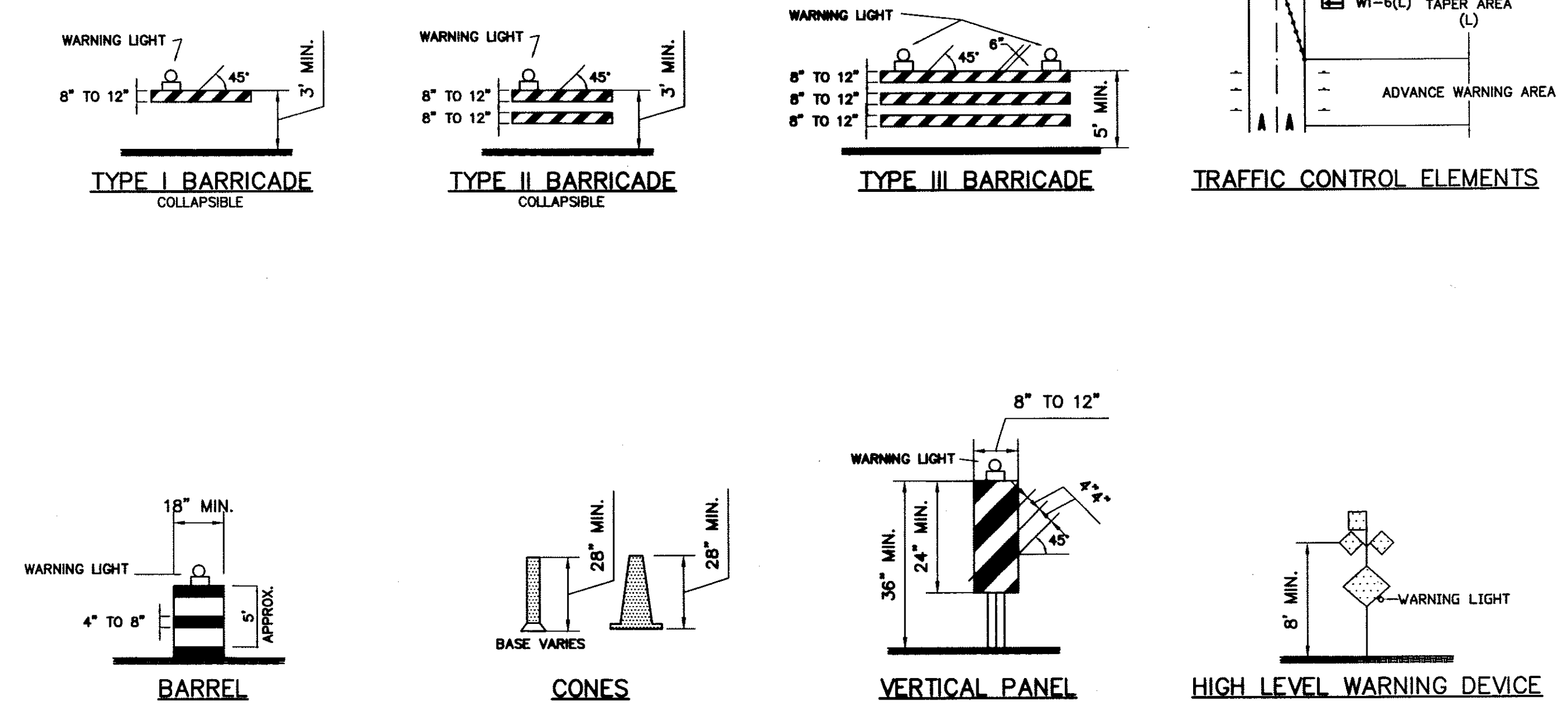
- 13 WORK TO BE PERFORMED FROM 7AM TO 7PM ONLY UNLESS OTHERWISE APPROVED BY THE CITY OF RIO RANCHO ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS.
- 14 CONCRETE WALL BARRIER AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL REVERT TO THE CITY OF RIO RANCHO AND SHALL BE STOCKPILED AT A LOCATION DESIGNATED BY THE PROJECT MANAGER.

WCEA #X421801201  
MAR 2007

|                                                                                                                                                |                                                                     |                              |                    |             |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------|--------------------|-------------|
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|                                                                                                                                                | WESTSIDE BOULEVARD S.E.<br>TRAFFIC GENERAL NOTES                    |                              |                    |             |
|                                                                                                                                                | Design/Review/Committee                                             | City Engineer Approval       | Last Design Update | Mo./Day/Yr. |
|                                                                                                                                                | MAR 12 2007<br>DESIGN REVIEW COMMITTEE                              | MAR 12 2007<br>CITY ENGINEER |                    |             |
| City Project No. 7718.81                                                                                                                       |                                                                     | Zone Map No. A-12 & A-13     | Sheet 38           | Of 79       |

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- 1 CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF RIO RANCHO'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
- 2 CONTRACTOR SHALL, AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.
- 3 THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
- 4 CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- 5 CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
- 6 ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- 7 THE CONSTRUCTION TRAFFIC CONTROL INITIAL SETUP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
- 8 CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
- 9 ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
- 10 ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.
- 11 CONTRACTOR SHALL NOT BEGIN WORK BEFORE 7:00 A.M. OR END WORK AFTER 7:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- 12 CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
- 13 EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- 14 CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- 15 CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- 16 CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- 17 CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
- 18 ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF RIO RANCHO. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- 19 24 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
- 20 ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.
- 21 EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
- 22 CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:  
A) STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.  
B) THE CITY OF RIO RANCHO TRAFFIC CODE, LATEST EDITION.  
C) ALL SECTIONS OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- 23 FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
- 24 ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
- 25 TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.
- 26 ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.



LEGEND

|   |                                                                                                                  |
|---|------------------------------------------------------------------------------------------------------------------|
|   | WORK AREA                                                                                                        |
| • | BARRICADE - TYPE I, TYPE II, OR BARREL                                                                           |
| ⊥ | BARRICADE - TYPE III                                                                                             |
| X | VERTICAL PANEL                                                                                                   |
| ⊥ | WARNING SIGN                                                                                                     |
| ⊥ | FLAGMAN POSITION                                                                                                 |
| D | DISTANCE BETWEEN SIGNS (A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET) |
| S | SPACING BETWEEN BARRICADES (A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET)                  |
| L | TAPER LENGTH (SEE CHART BELOW)<br>*THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET            |

TAPER REQUIREMENTS

| SPEED LIMIT (MPH) | TAPER LENGTH IN FEET (L) |          |          | MINIMUM NUMBER OF DEVICES FOR TAPER | MAXIMUM DEVICE SPACING IN FEET |             |
|-------------------|--------------------------|----------|----------|-------------------------------------|--------------------------------|-------------|
|                   | 10' LANE                 | 11' LANE | 12' LANE |                                     | ALONG TAPER                    | AFTER TAPER |
| 20                | 70                       | 75       | 80       | 5                                   | 20                             | 20          |
| 25                | 105                      | 115      | 125      | 6                                   | 25                             | 25          |
| 30                | 150                      | 165      | 180      | 7                                   | 30                             | 30          |
| 35                | 205                      | 225      | 245      | 8                                   | 35                             | 35          |
| 40                | 270                      | 295      | 320      | 9                                   | 40                             | 40          |
| 45                | 450                      | 495      | 540      | 13                                  | 45                             | 45          |
| 50                | 500                      | 550      | 600      | 13                                  | 50                             | 50          |
| 55                | 550                      | 605      | 660      | 13                                  | 55                             | 55          |

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

| SPEED MILES PER HOUR | MINIMUM DISTANCE IN FEET BETWEEN SIGNS | MINIMUM DISTANCE IN FEET FROM LAST SIGN TO TAPER |
|----------------------|----------------------------------------|--------------------------------------------------|
| 0-20                 | 10 X SPEED LIMIT                       | 10 X SPEED LIMIT                                 |
| 25-30                | 10 X SPEED LIMIT                       | 10 X SPEED LIMIT                                 |
| 30-35                | 10 X SPEED LIMIT                       | 10 X SPEED LIMIT                                 |
| 40-45                | 10 X SPEED LIMIT                       | 10 X SPEED LIMIT                                 |
| 50-60                | 10 X SPEED LIMIT                       | 10 X SPEED LIMIT                                 |

TAPER CRITERIA

| TYPE OF TAPER         | TAPER LENGTH            |
|-----------------------|-------------------------|
| UPSTREAM TAPER:       |                         |
| MERGING TAPER         | ..... L MINIMUM         |
| SHIFTING TAPER        | ..... 1/2 L MINIMUM     |
| SHOULDER TAPER        | ..... 1/2 L MINIMUM     |
| TWO-WAY TRAFFIC TAPER | ..... 100 FEET MAXIMUM  |
| DOWNSTREAM TAPER:     | ..... 100 FEET PER LANE |

TAPER LENGTH COMPUTATION

| SPEED LIMIT                                                                                                 | L                     |
|-------------------------------------------------------------------------------------------------------------|-----------------------|
| 40 MPH OR LESS                                                                                              | $L = \frac{WS^2}{60}$ |
| 45 MPH OR GREATER                                                                                           | $L = W \times S$      |
| L = TAPER LENGTH<br>W = WIDTH OF OFFSET IN FEET<br>S = POSTED SPEED OR OFF-PEAK 85 PERCENTILE SPEED, IN MPH |                       |

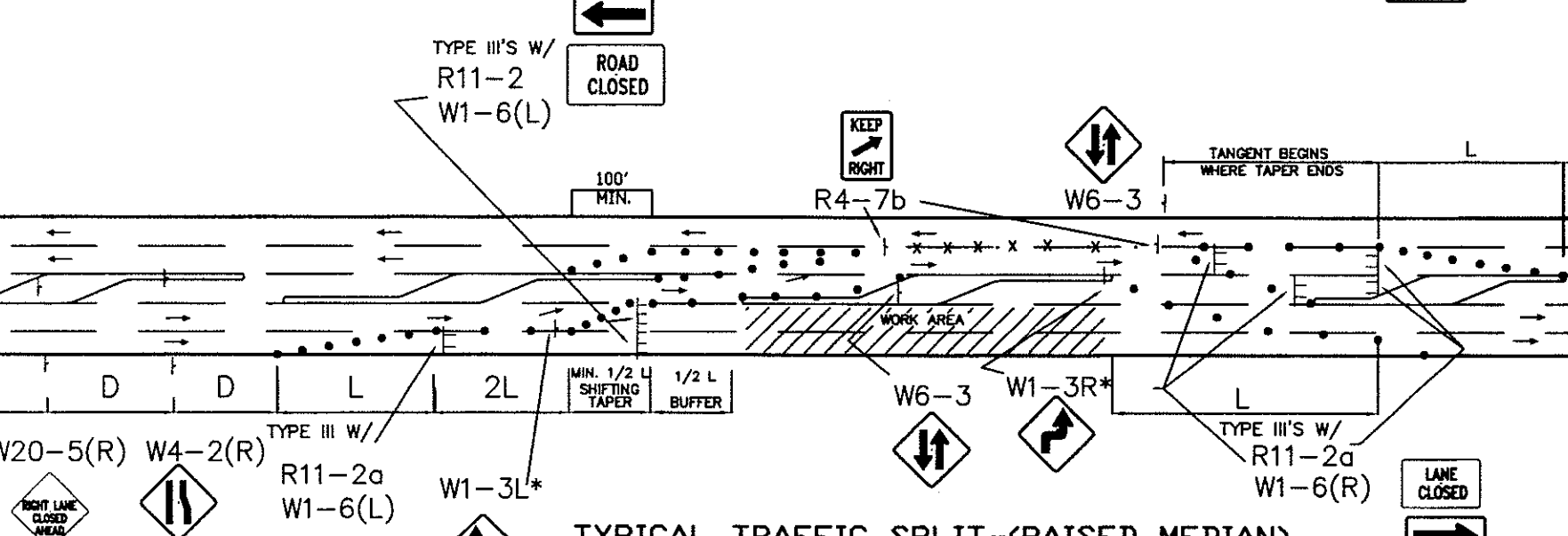
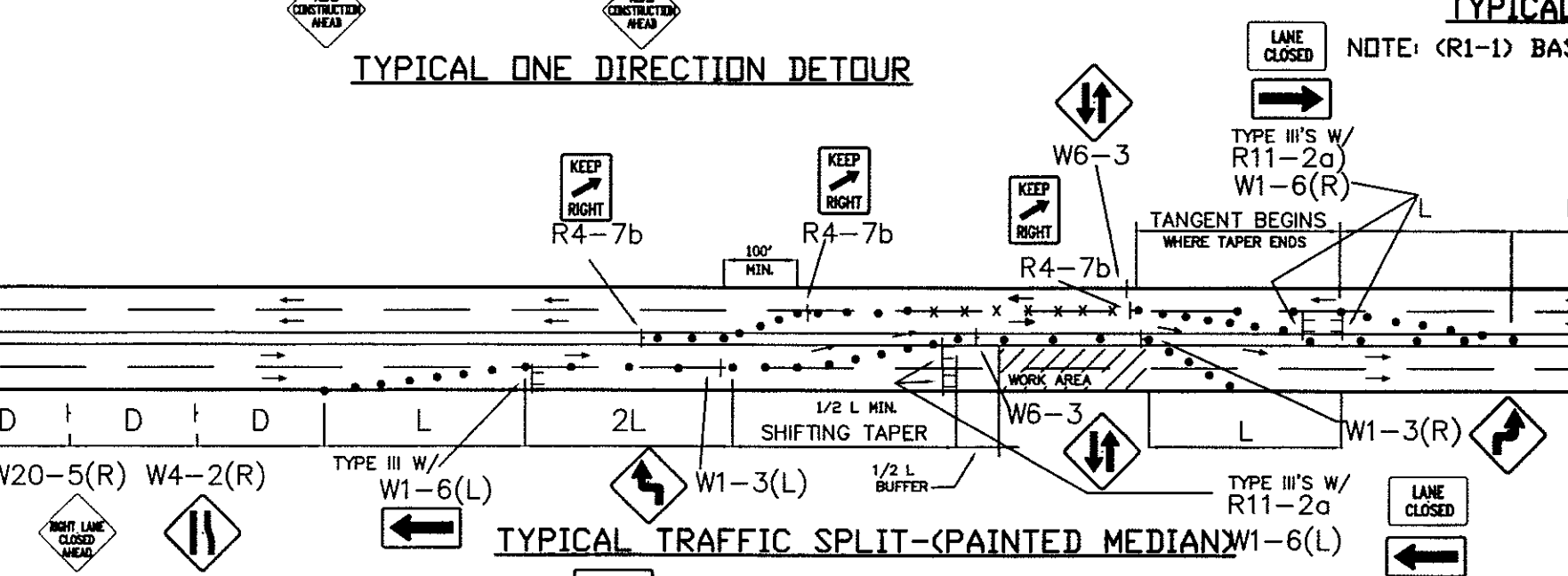
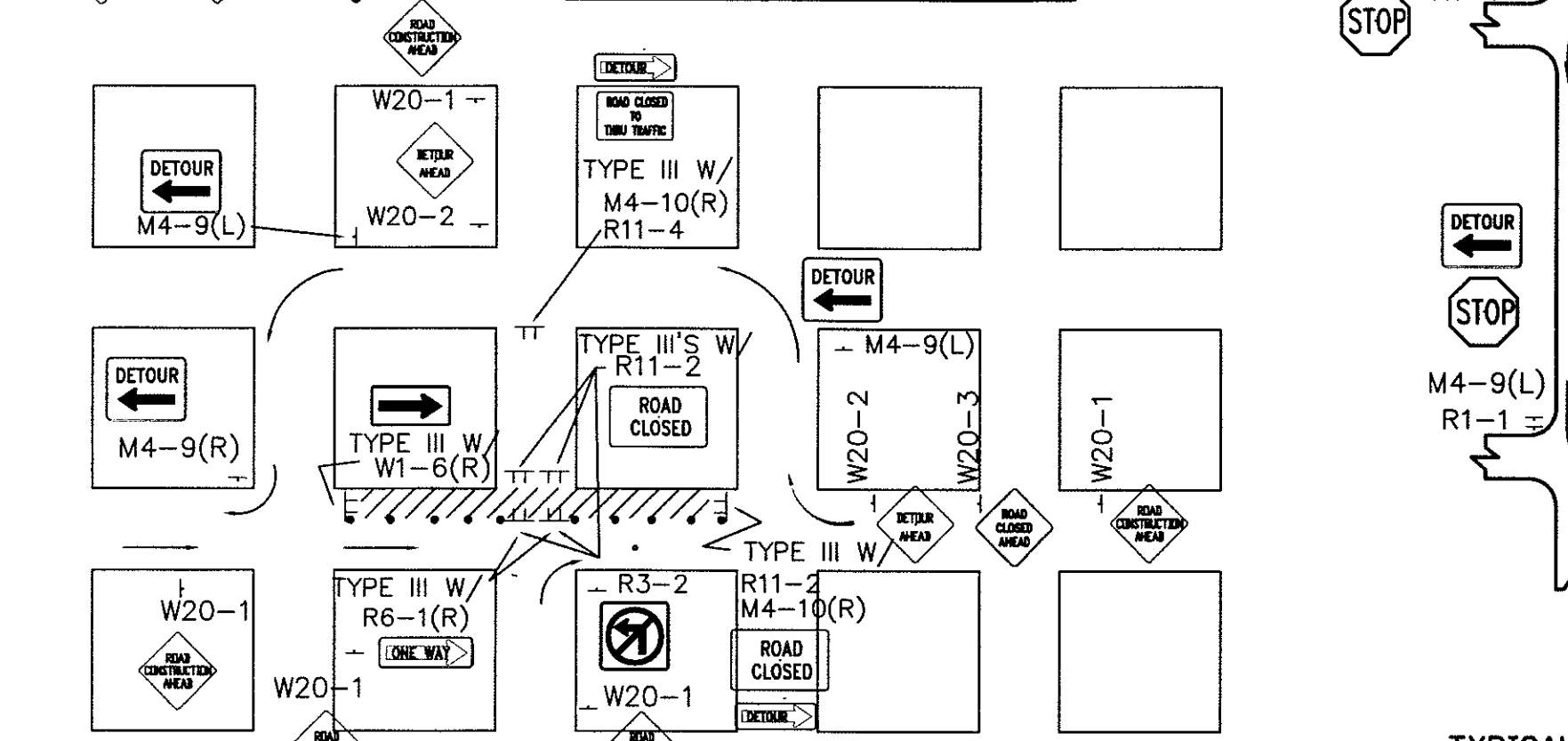
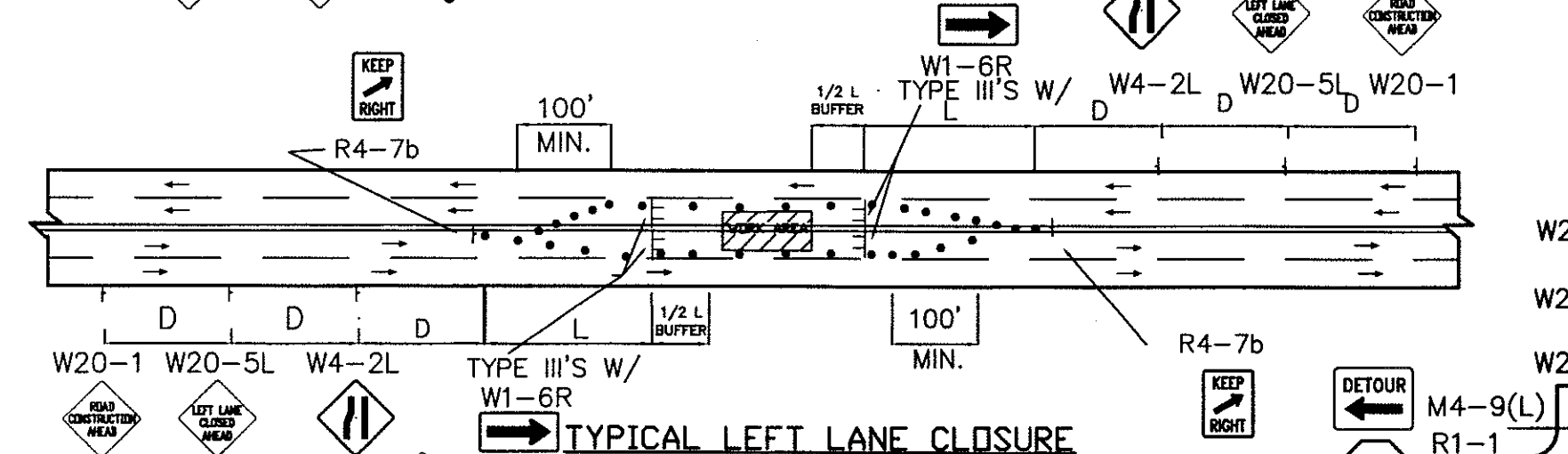
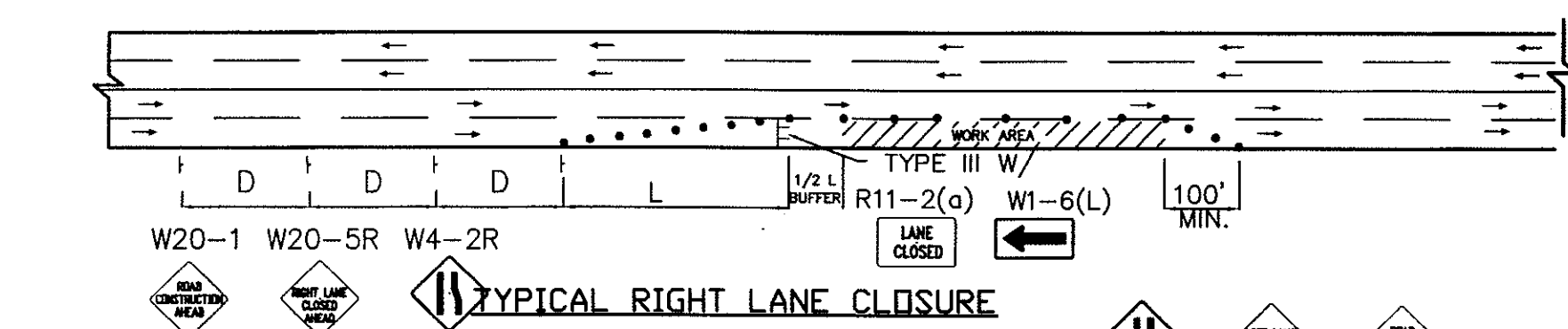
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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP  
**WESTSIDE BOULEVARD S.E.**  
**SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS**

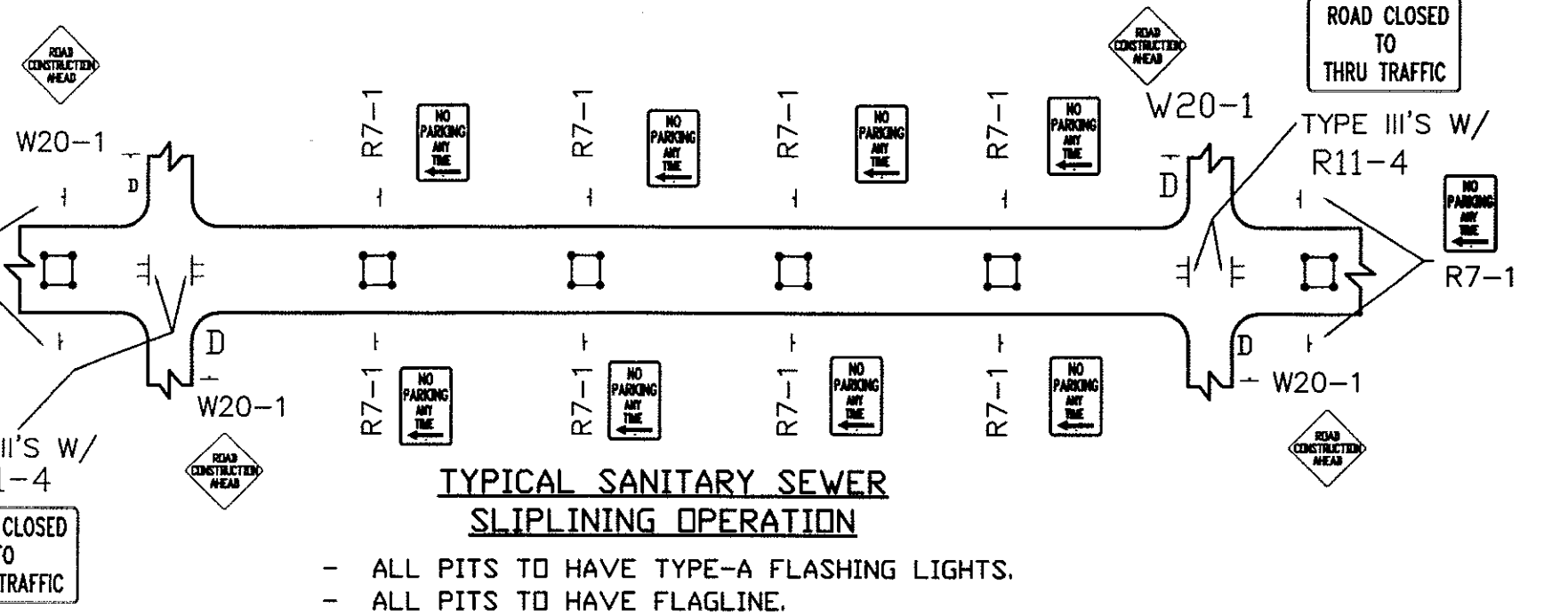
Design Review Committee  
MAR 12 2007  
DESIGN REVIEW COMMITTEE

City Engineer Approval  
CITY ENGINEER

City Project No. **7718.81**  
Zone Map No. **A-12 & A-13**  
Sheet **39** Of **79**



- TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)**
- TRAFFIC SPLIT NOTES:
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
  2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
  3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
  4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
  5. REDUCED SPEED MAY BE CONSIDERED.
  6. \* USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



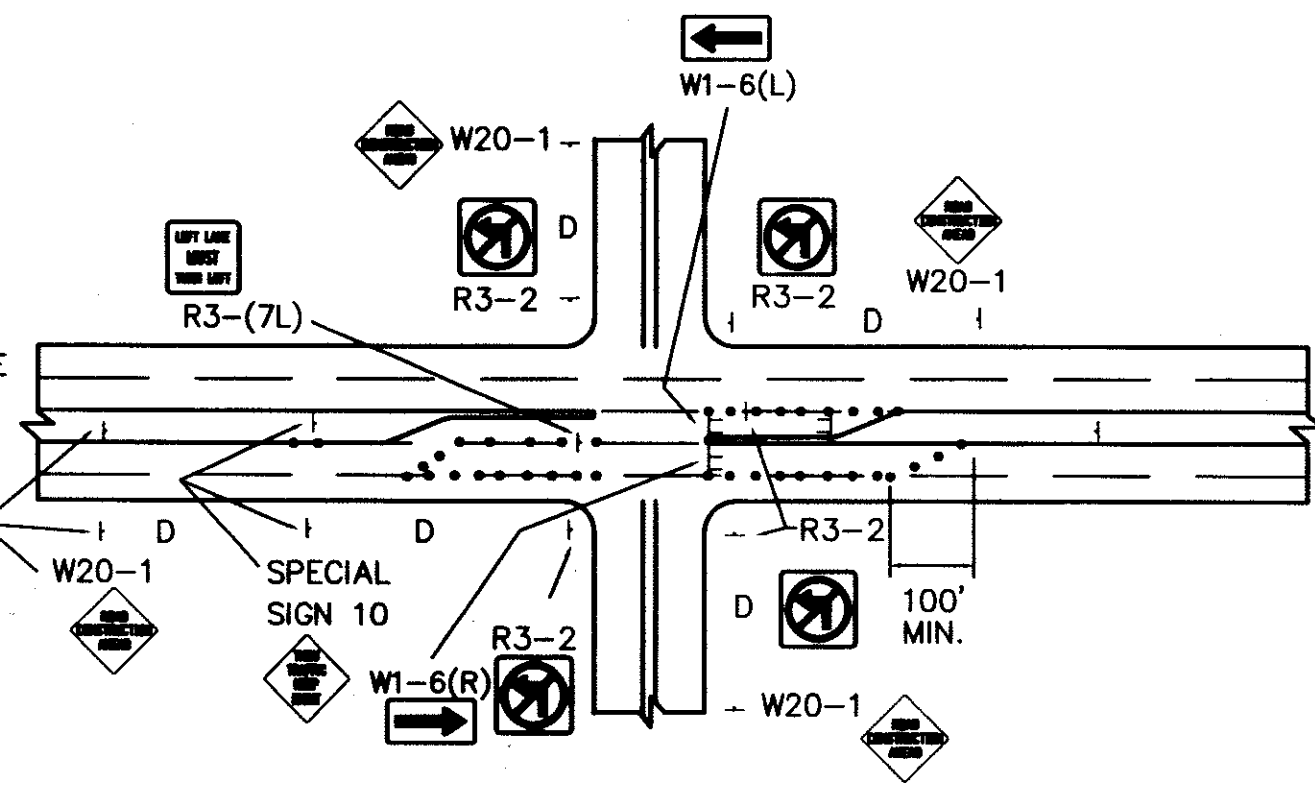
- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.  
- ALL PITS TO HAVE FLAGLINE.

**GENERAL NOTE:**

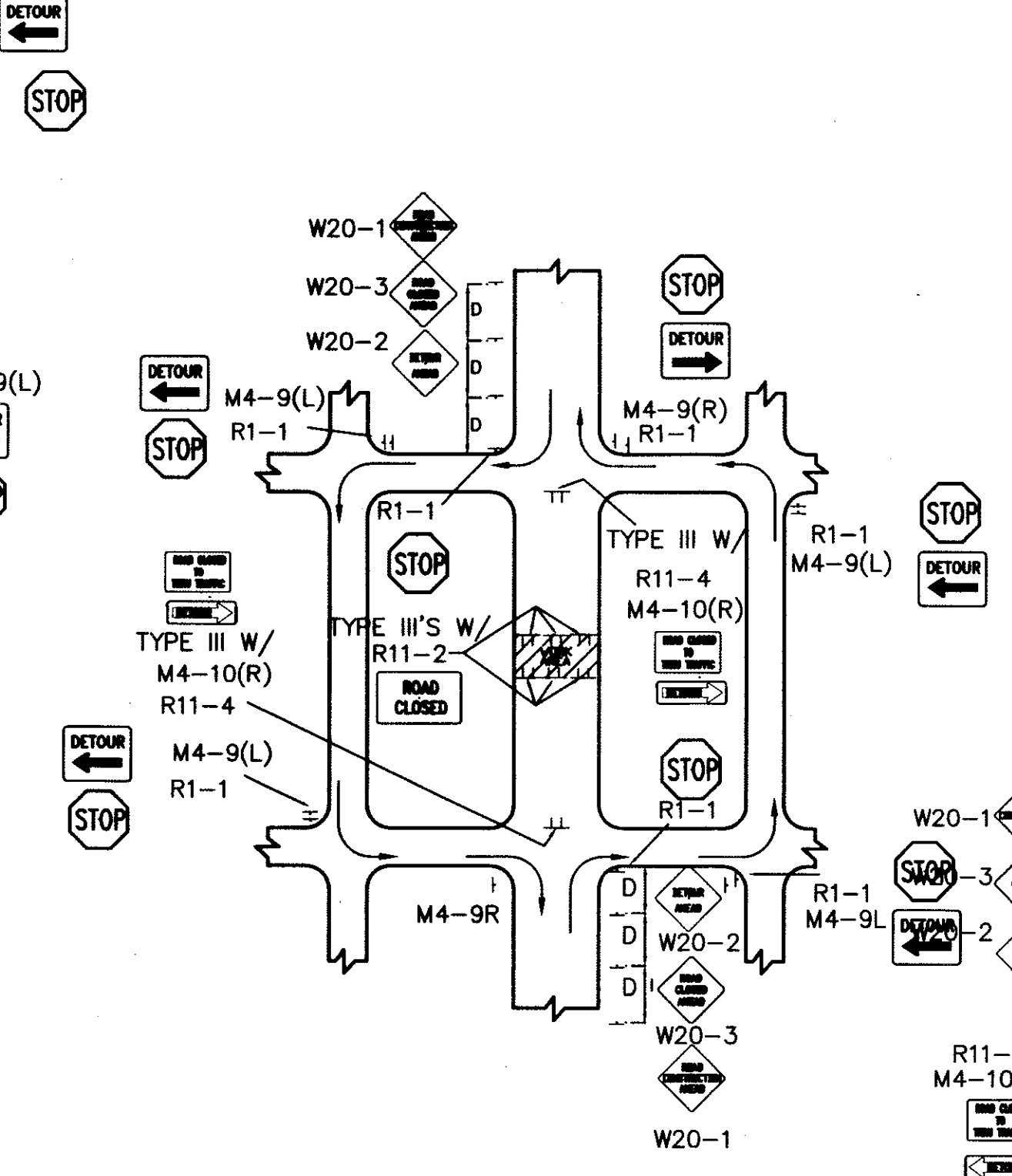
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

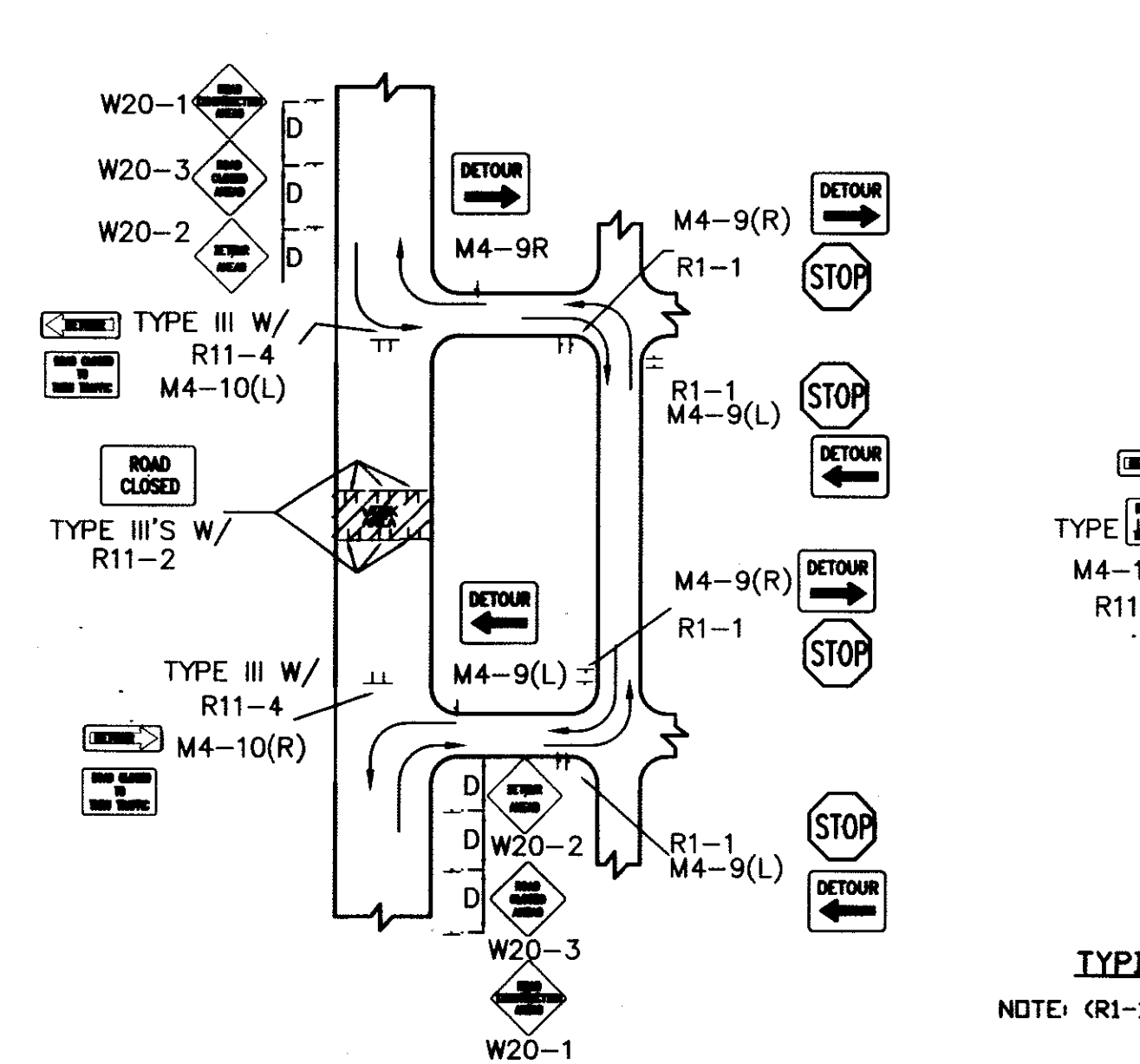
NOTE: MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.



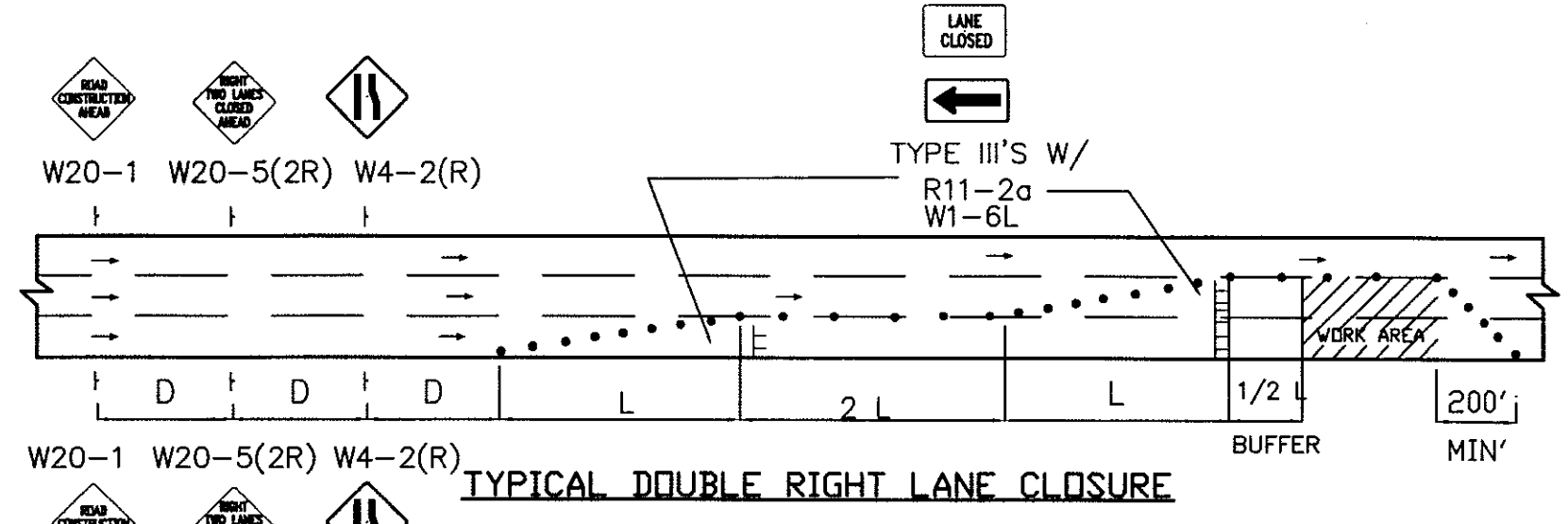
**TYPICAL LANE CLOSURE AT INTERSECTION**  
NOTE: DEPENDING ON WORK ZONE LOCATION



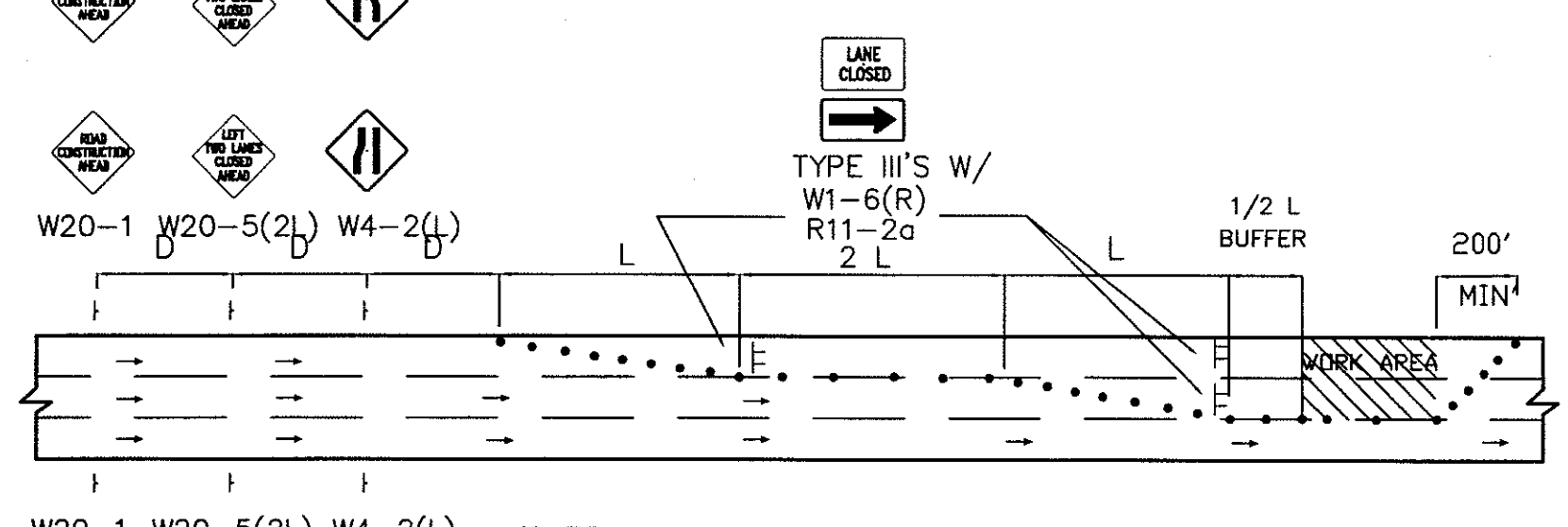
**TYPICAL MID-BLOCK CLOSURE**  
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



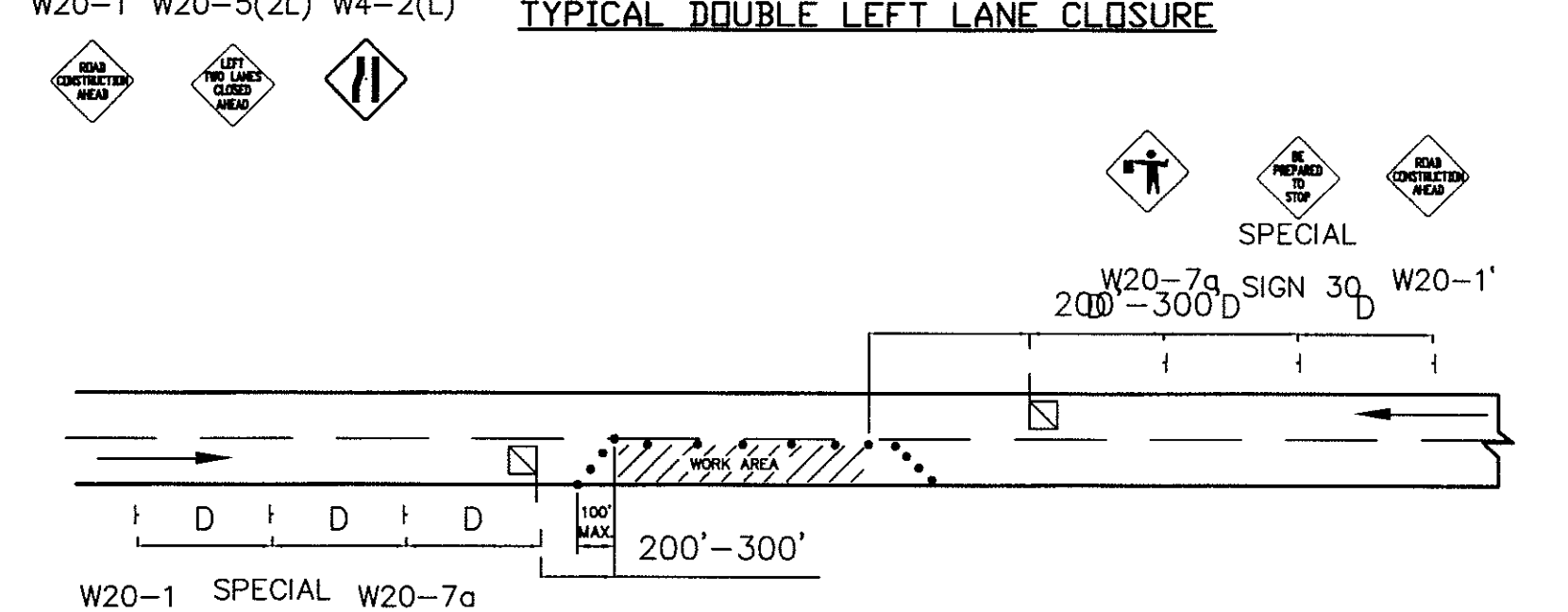
**TYPICAL STREET CLOSURE**  
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



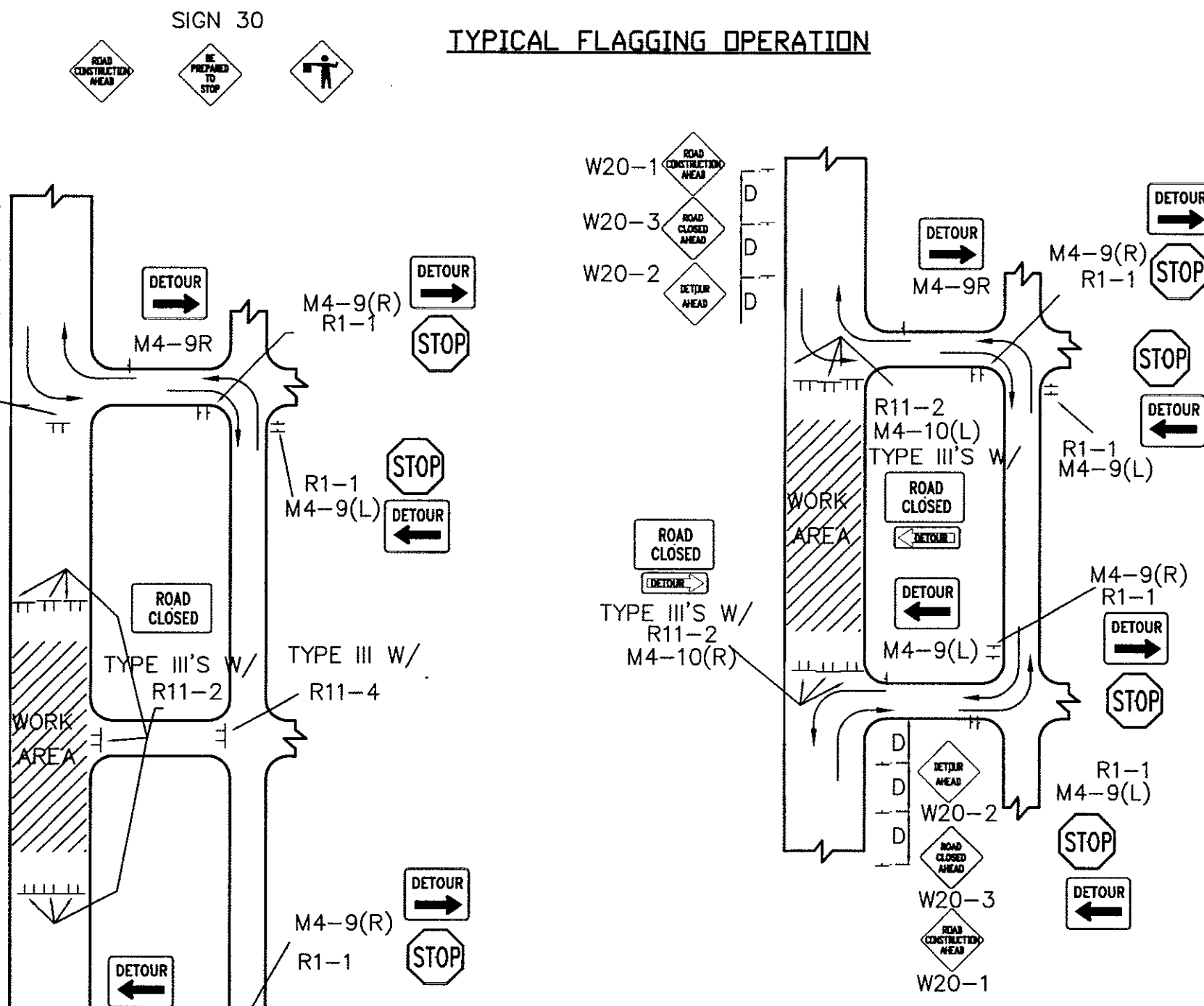
**TYPICAL DOUBLE RIGHT LANE CLOSURE**



**TYPICAL DOUBLE LEFT LANE CLOSURE**

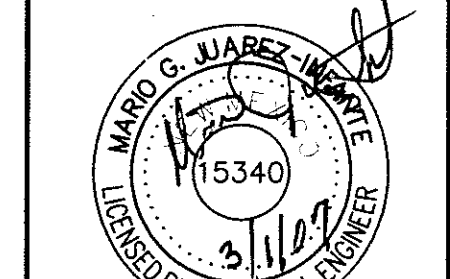


**TYPICAL FLAGGING OPERATION**



**TYPICAL STREET CLOSURE**  
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

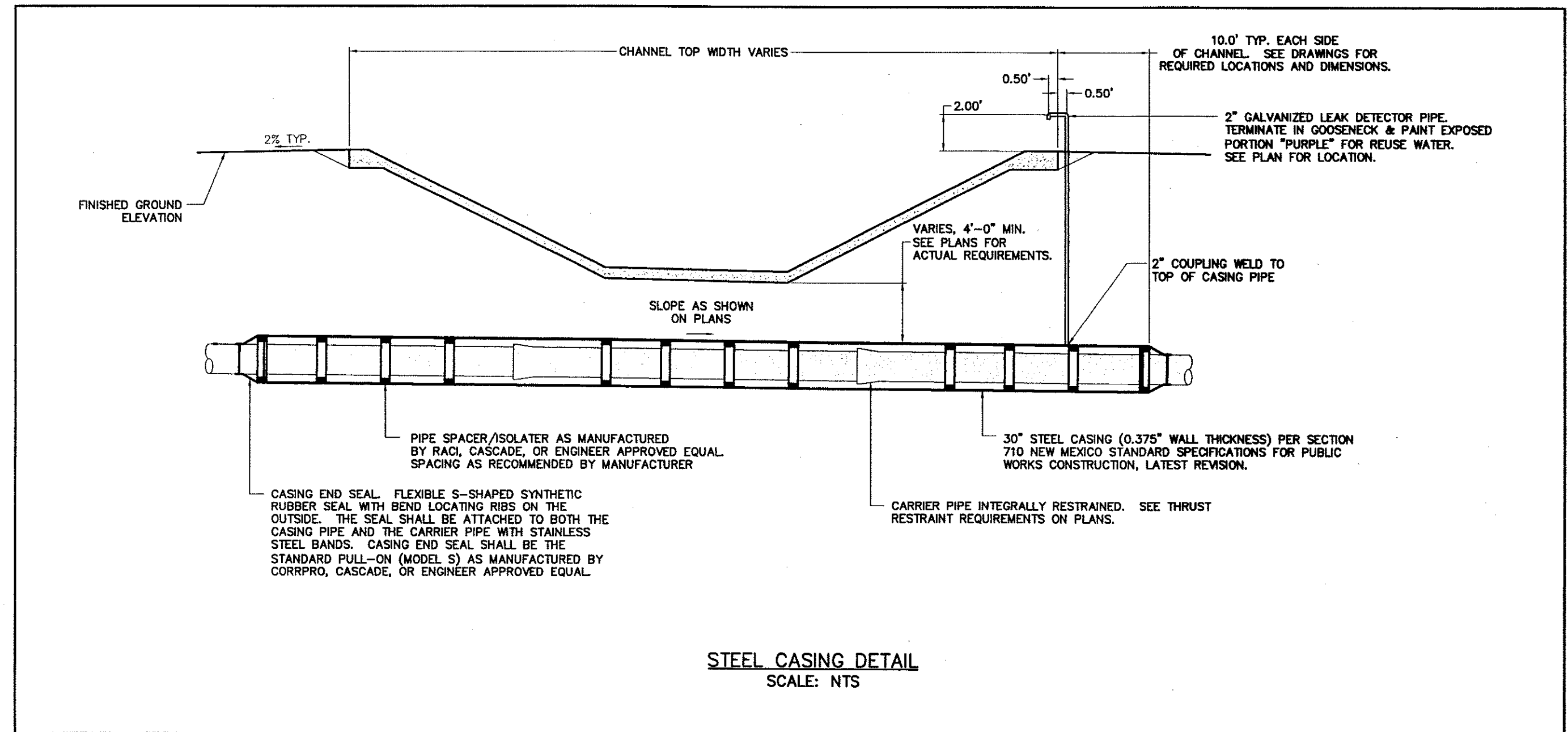
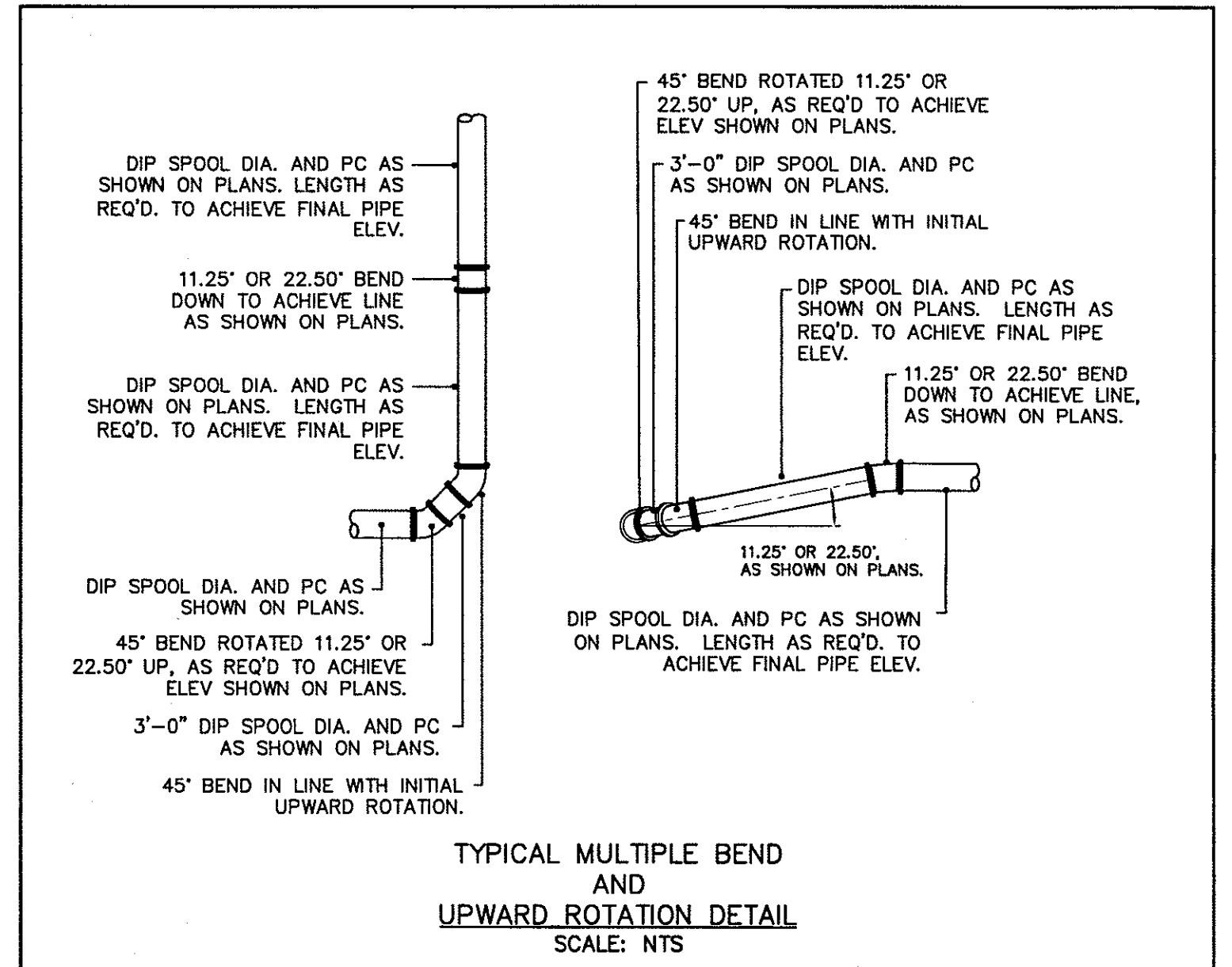
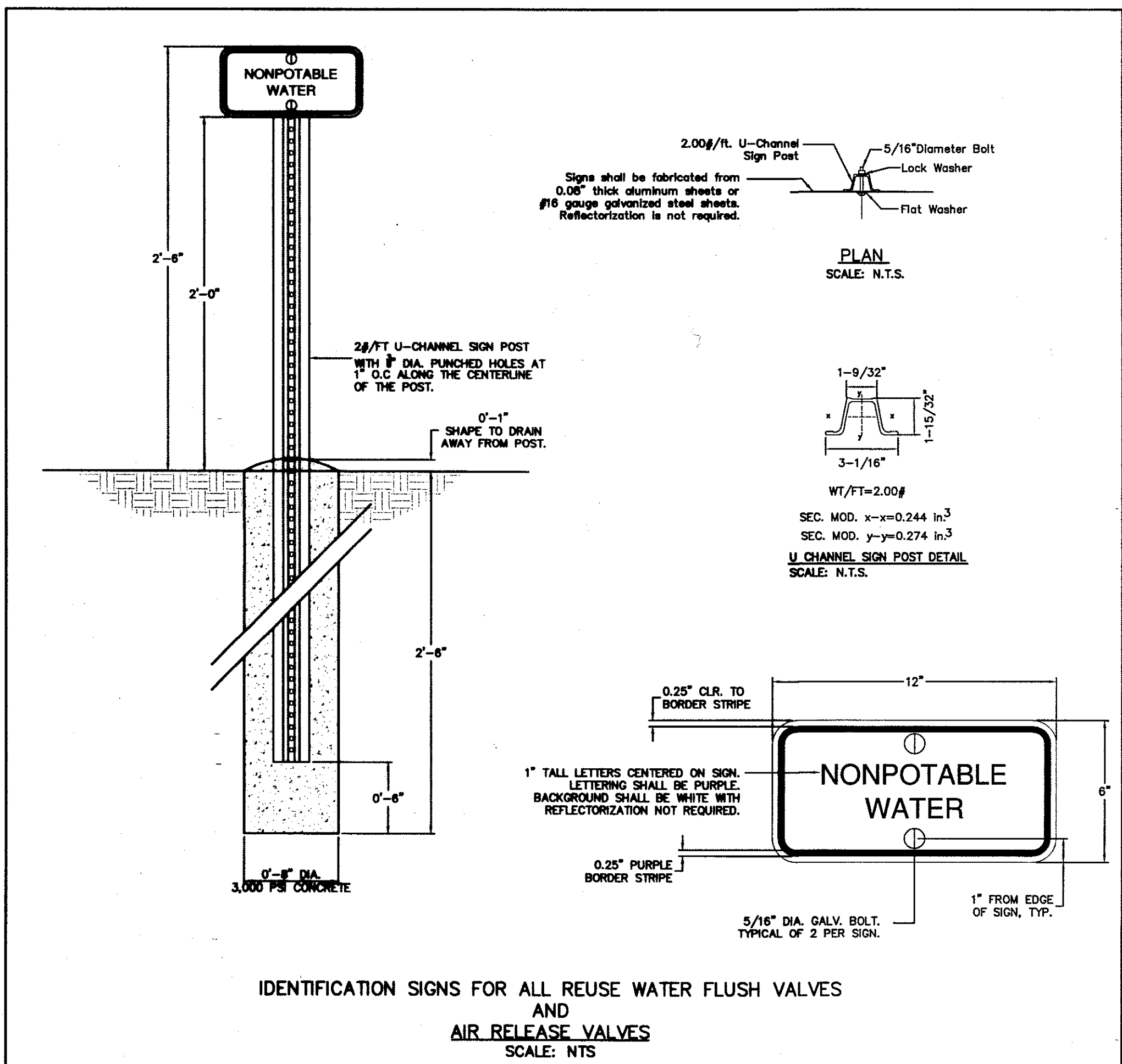
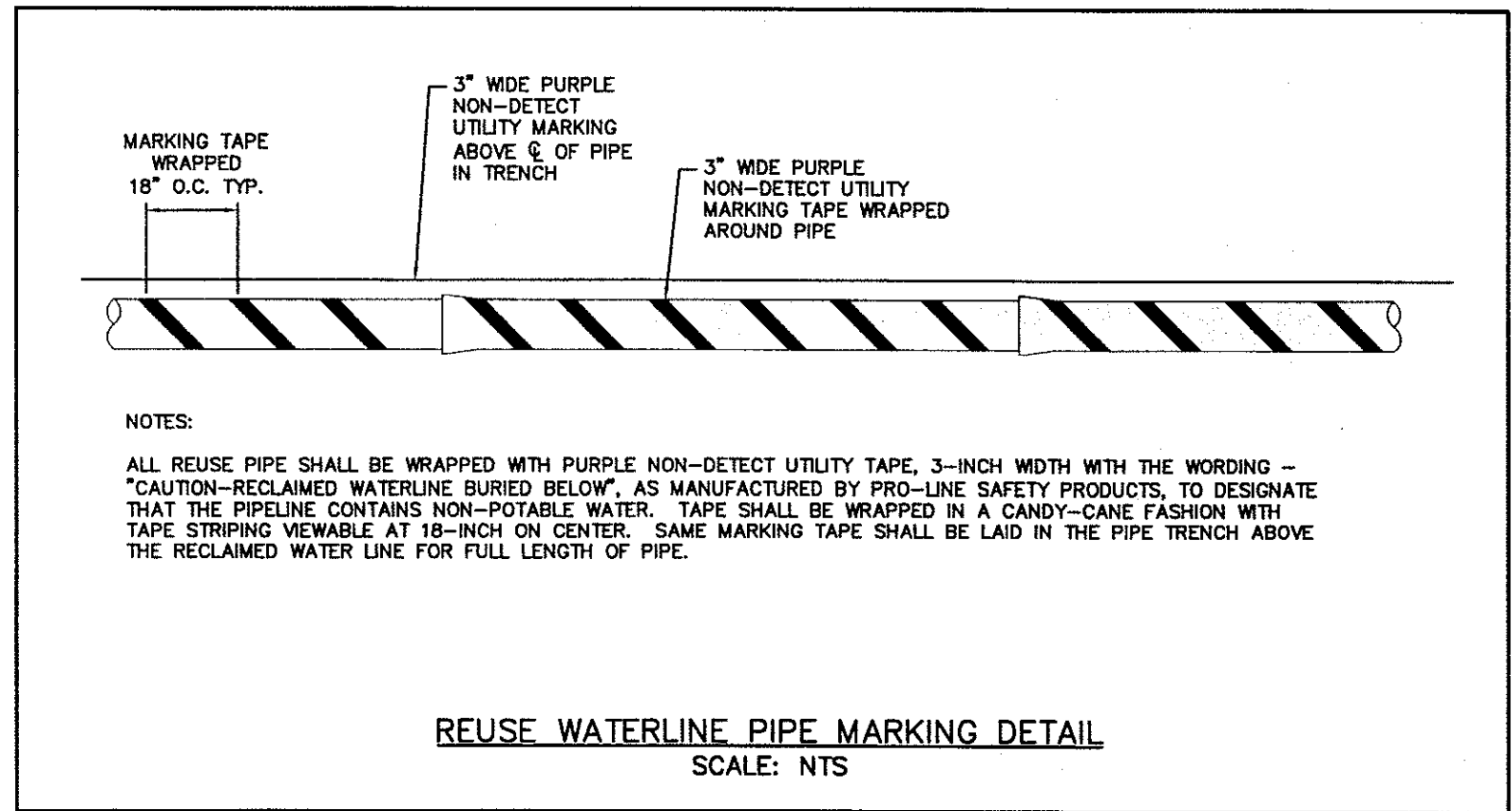
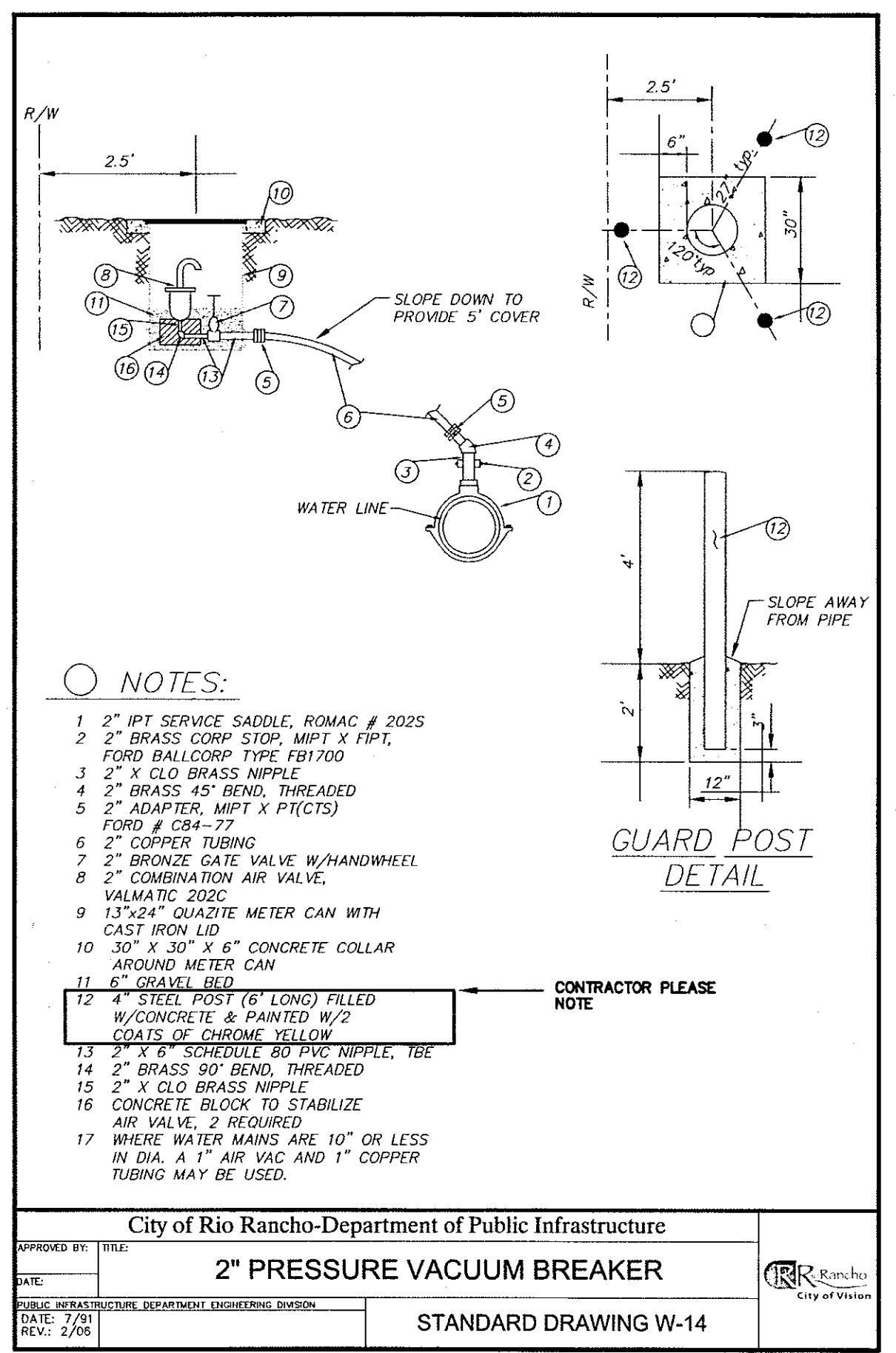
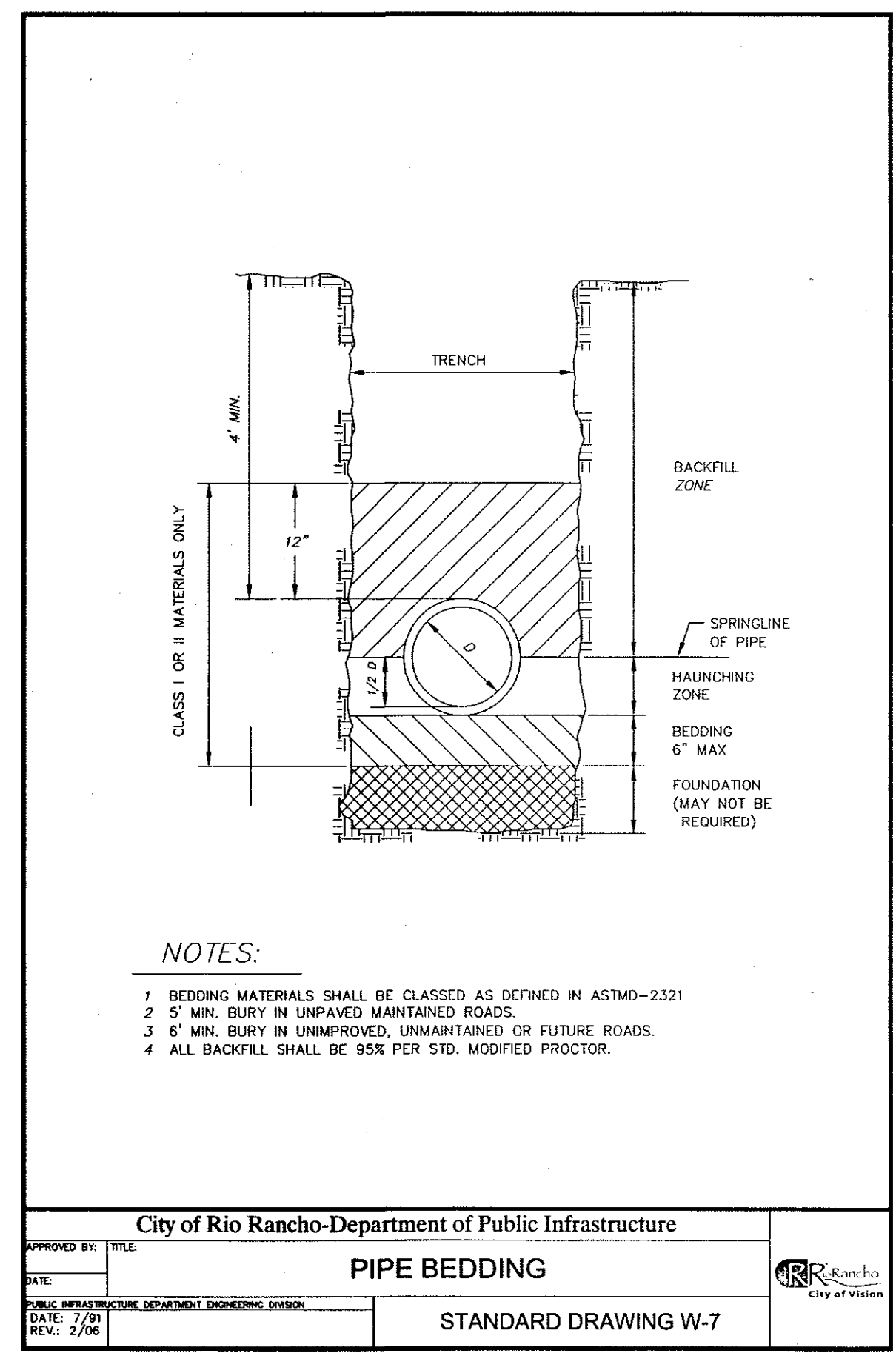
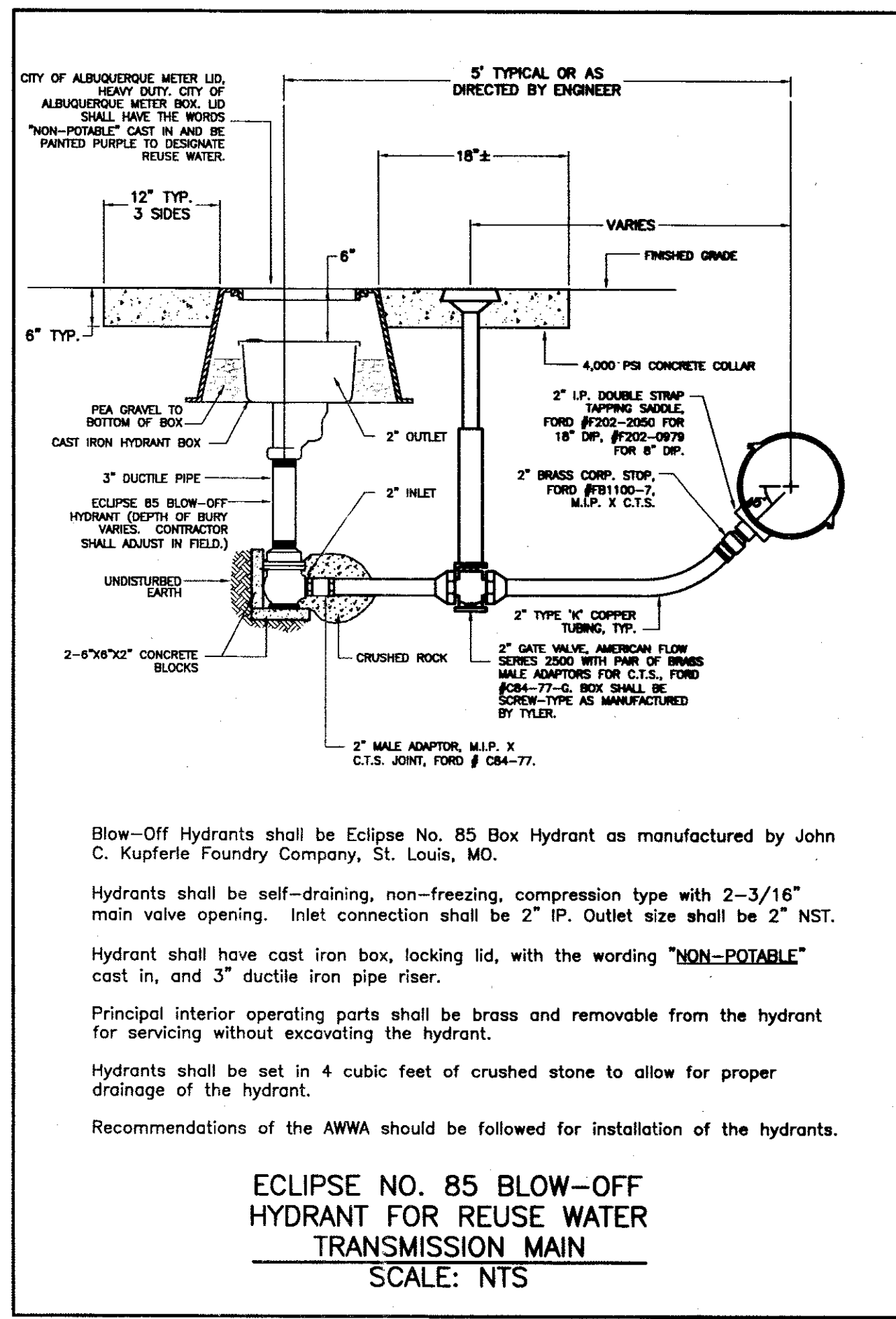
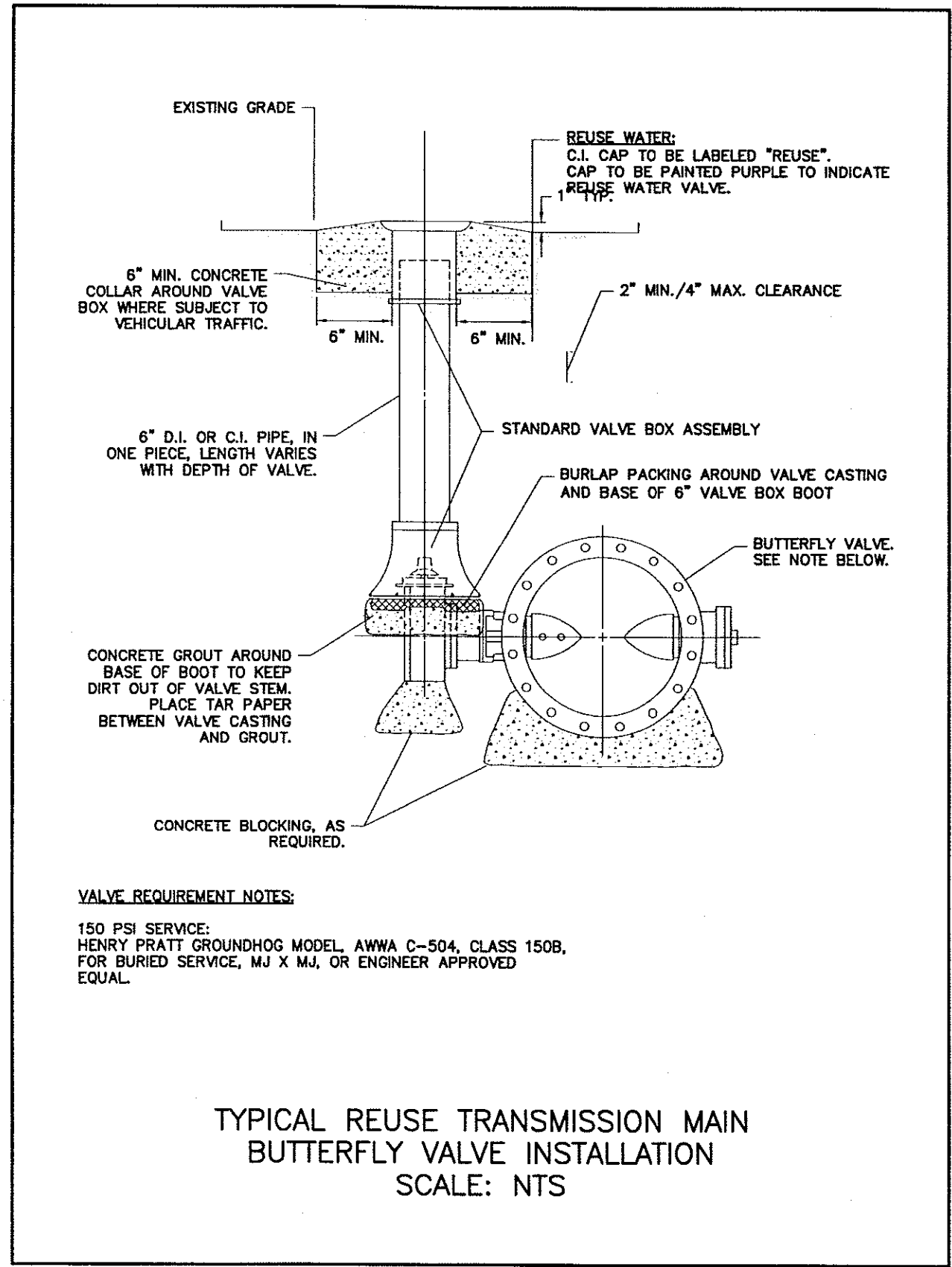
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| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP                        |                        |             |             |
|--------------------------------------------------------------------------------------------|------------------------|-------------|-------------|
| WESTSIDE BOULEVARD S.E.<br>TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES<br>(REFERENCE MUTCD) |                        |             |             |
| Design Review Committee                                                                    | City Engineer Approval | Mo./Day/Yr. | Mo./Day/Yr. |
| DESIGN REVIEW COMMITTEE                                                                    | CITY ENGINEER          |             |             |
| City Project No.                                                                           | Zone Map No.           | Sheet       | Of          |
| 7718.81                                                                                    | A-12 & A-13            | 40          | 79          |







**NOT A PART OF THIS CONTRACT**

**CITY OF RIO RANCHO PUBLIC INFRASTRUCTURE SERVICES ENGINEERING DIVISION**

**WESTSIDE PHASE II WASTEWATER REUSE TRANSMISSION MAIN STANDARD DETAILS**

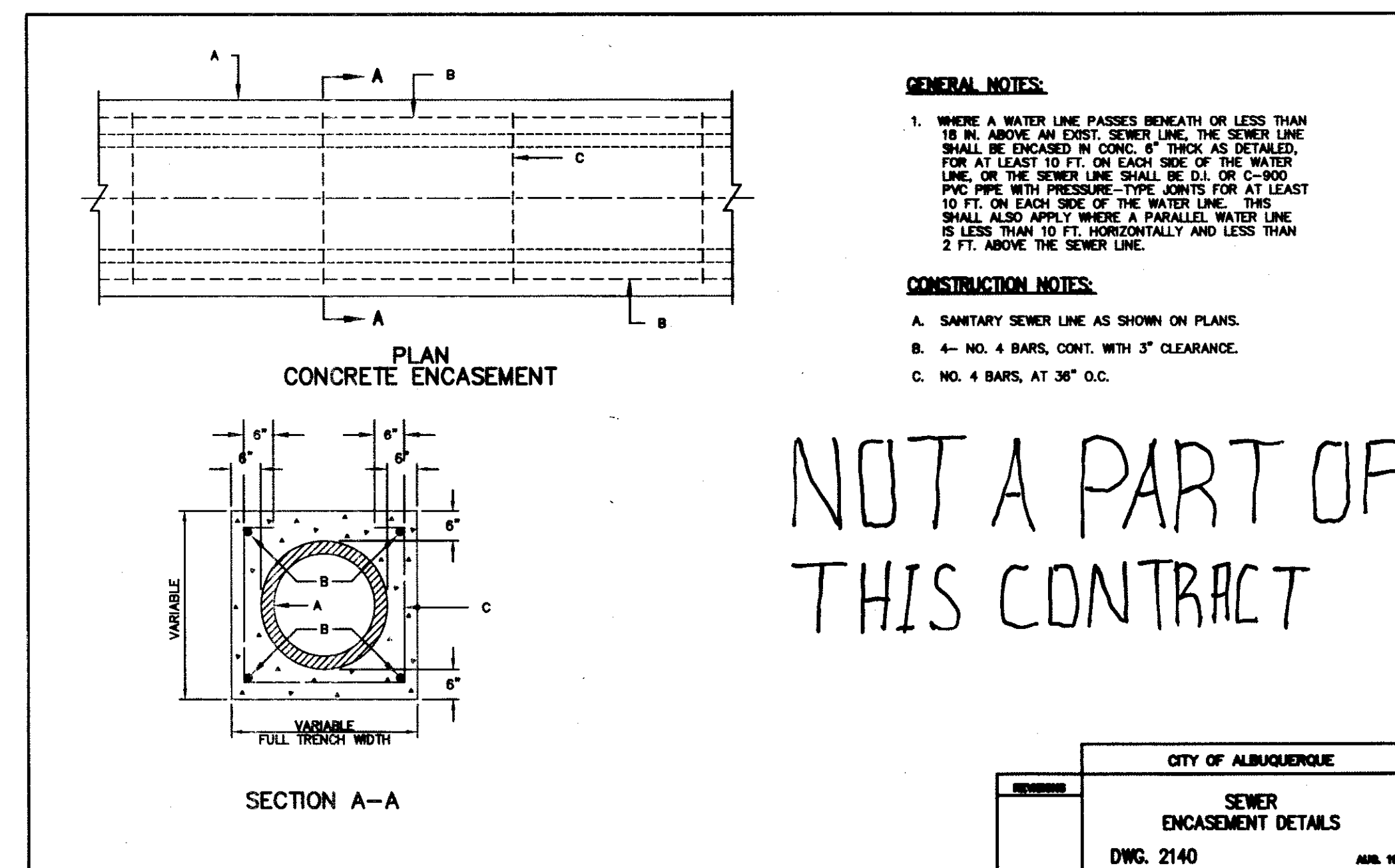
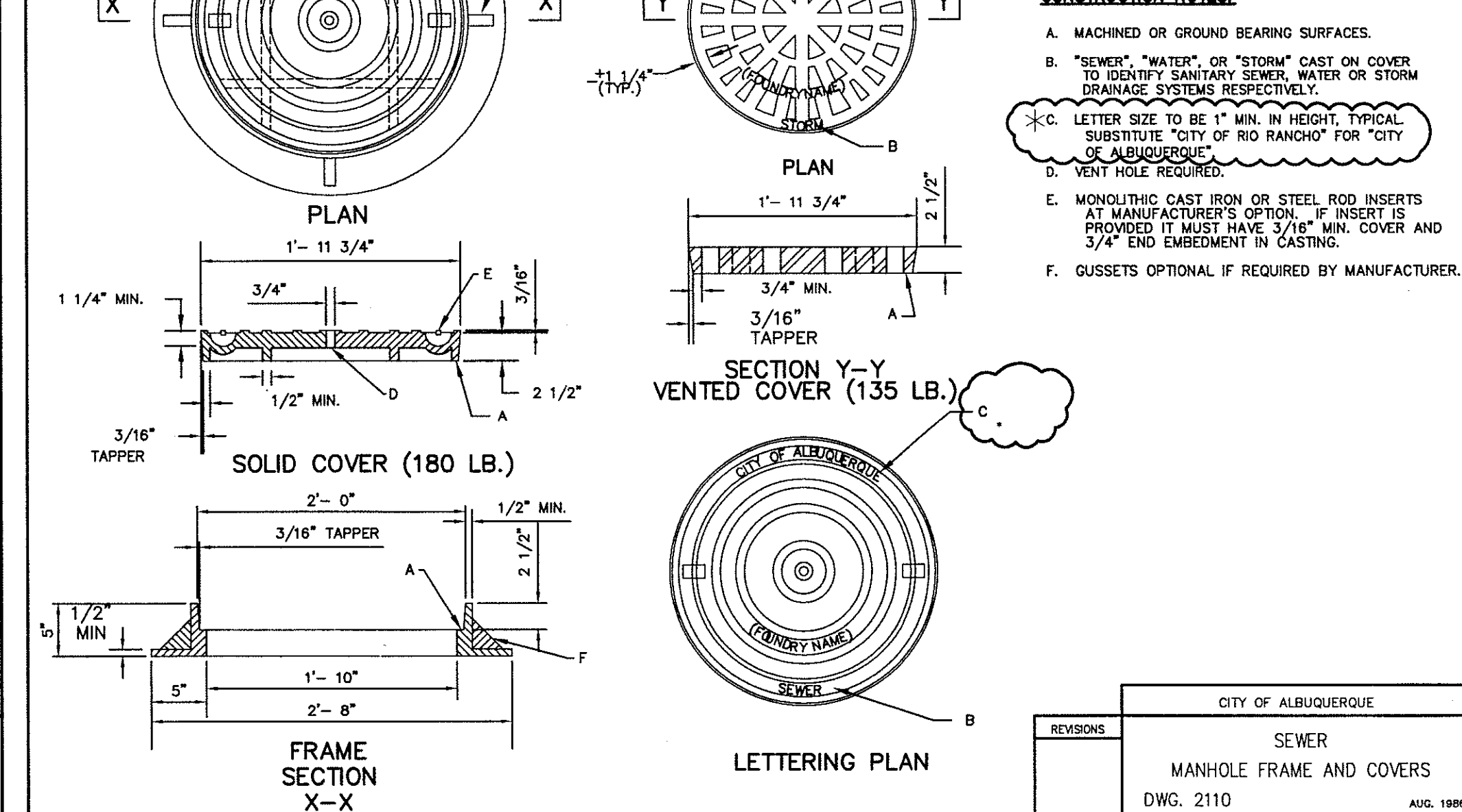
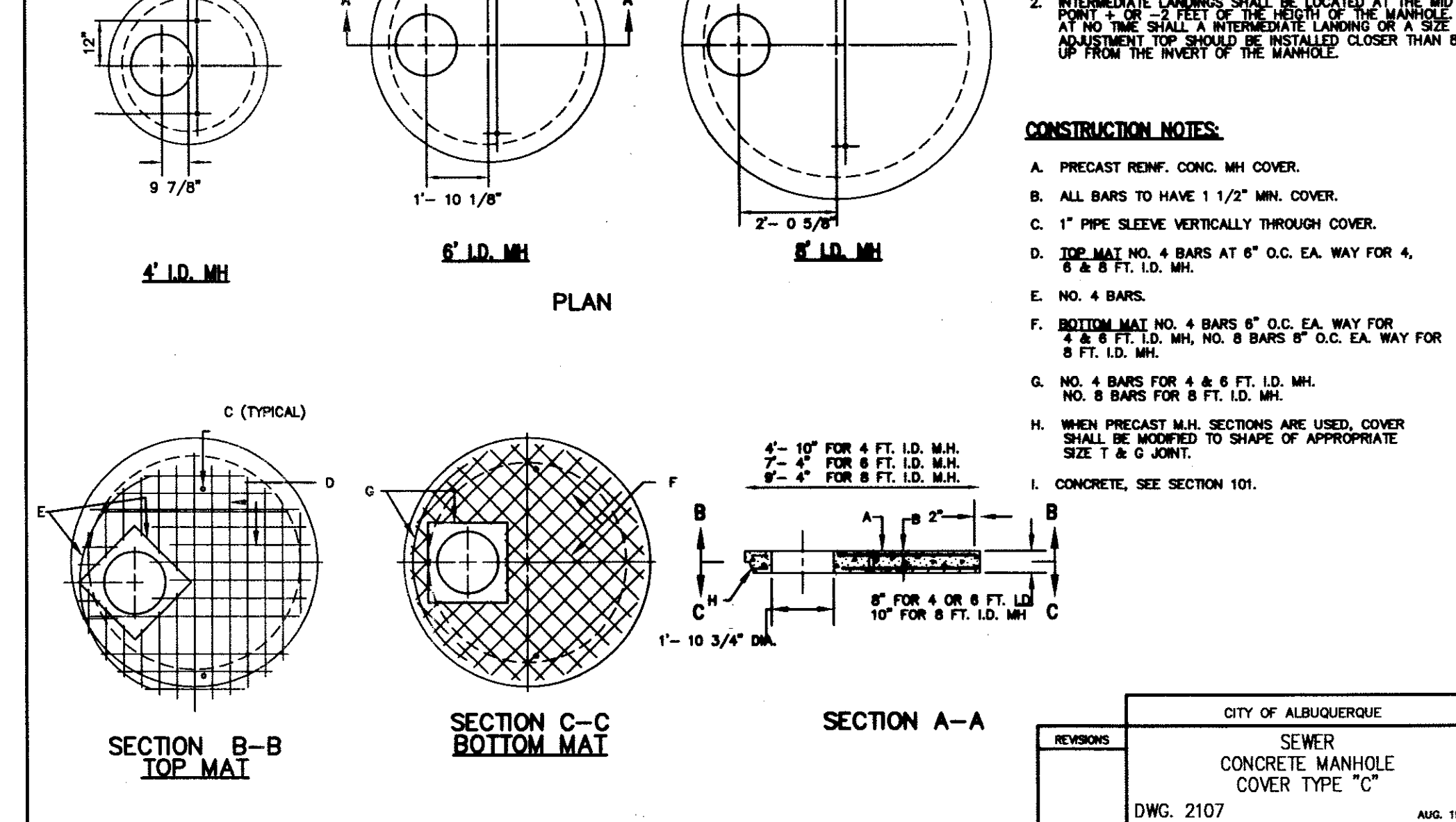
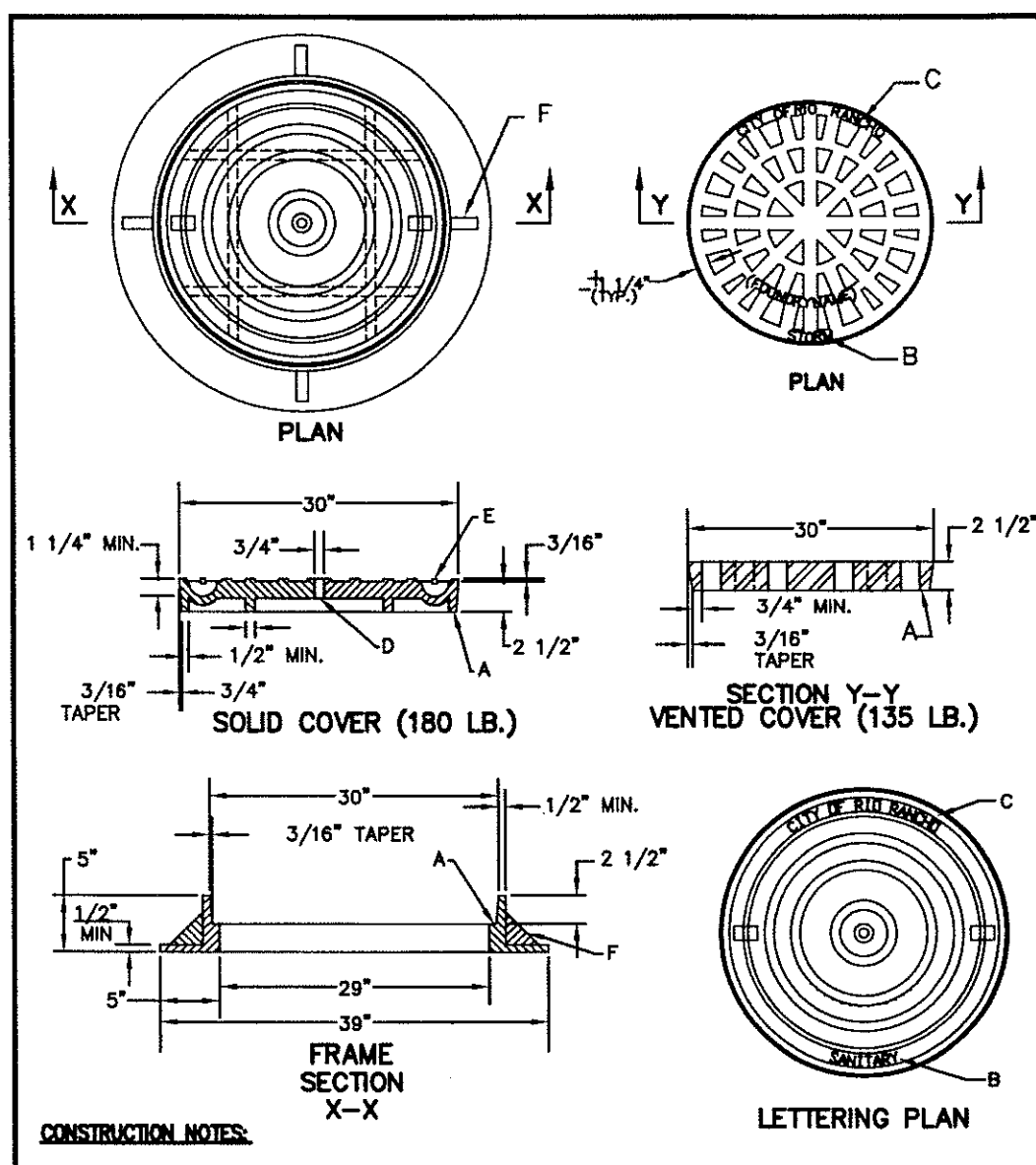
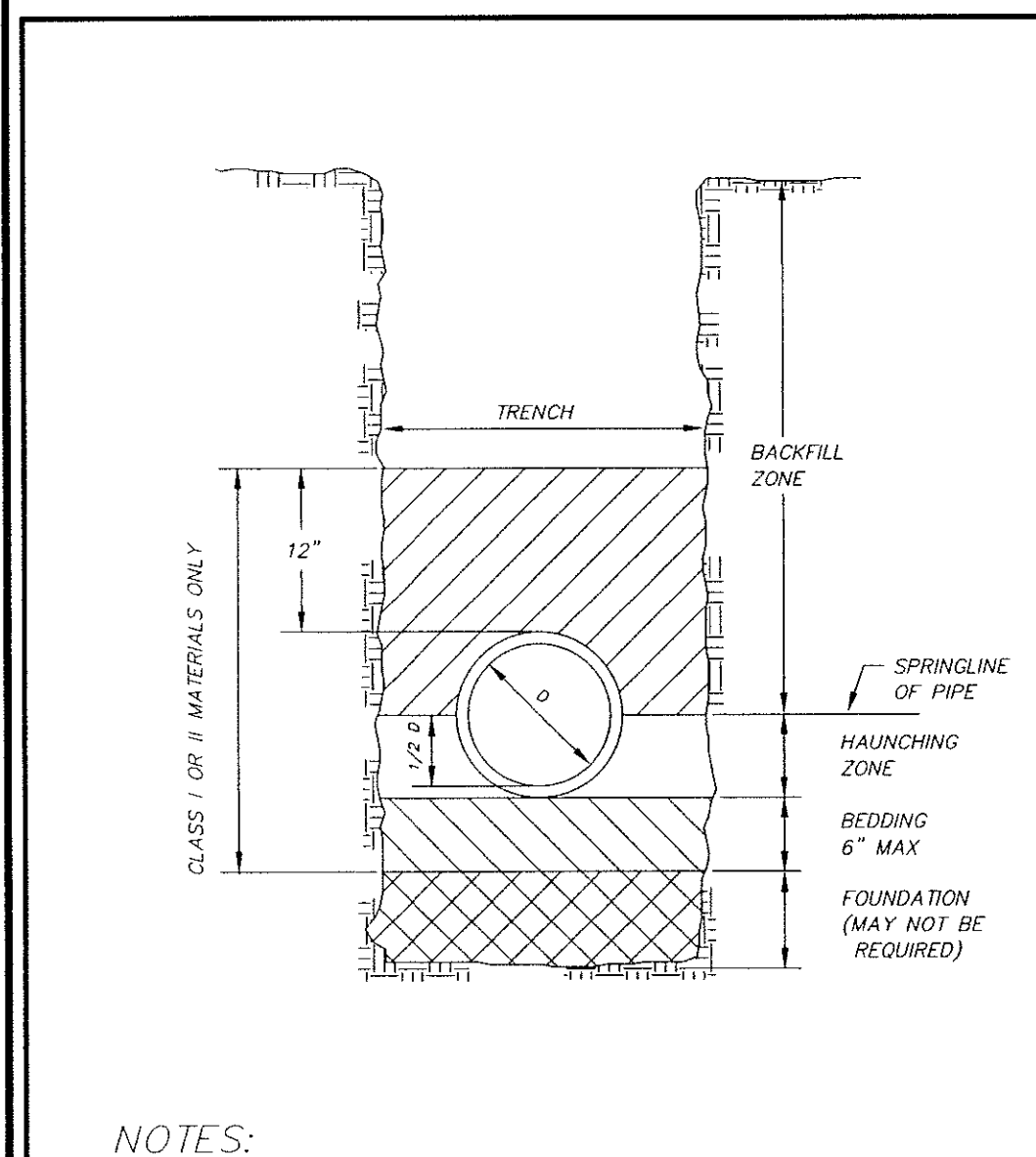
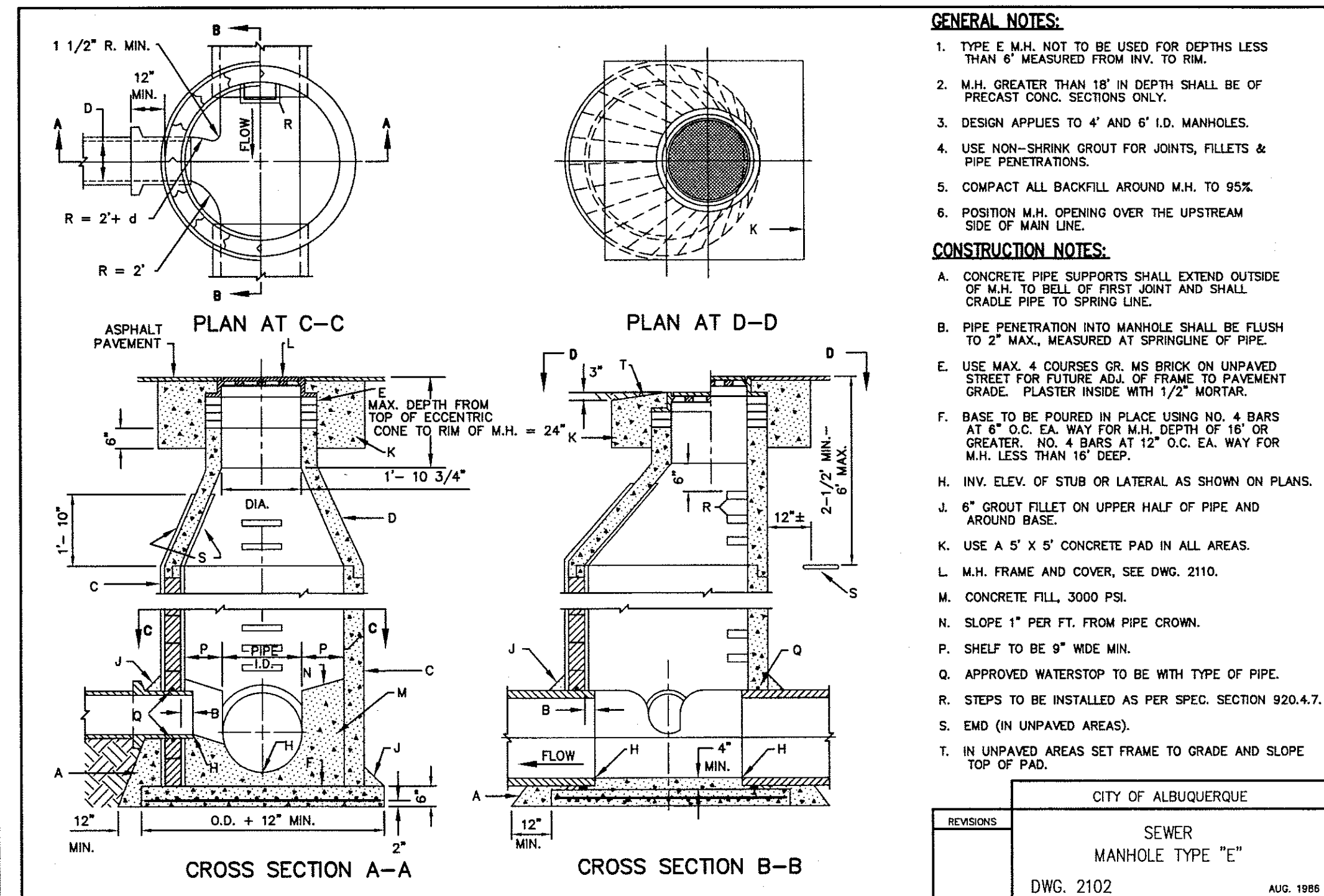
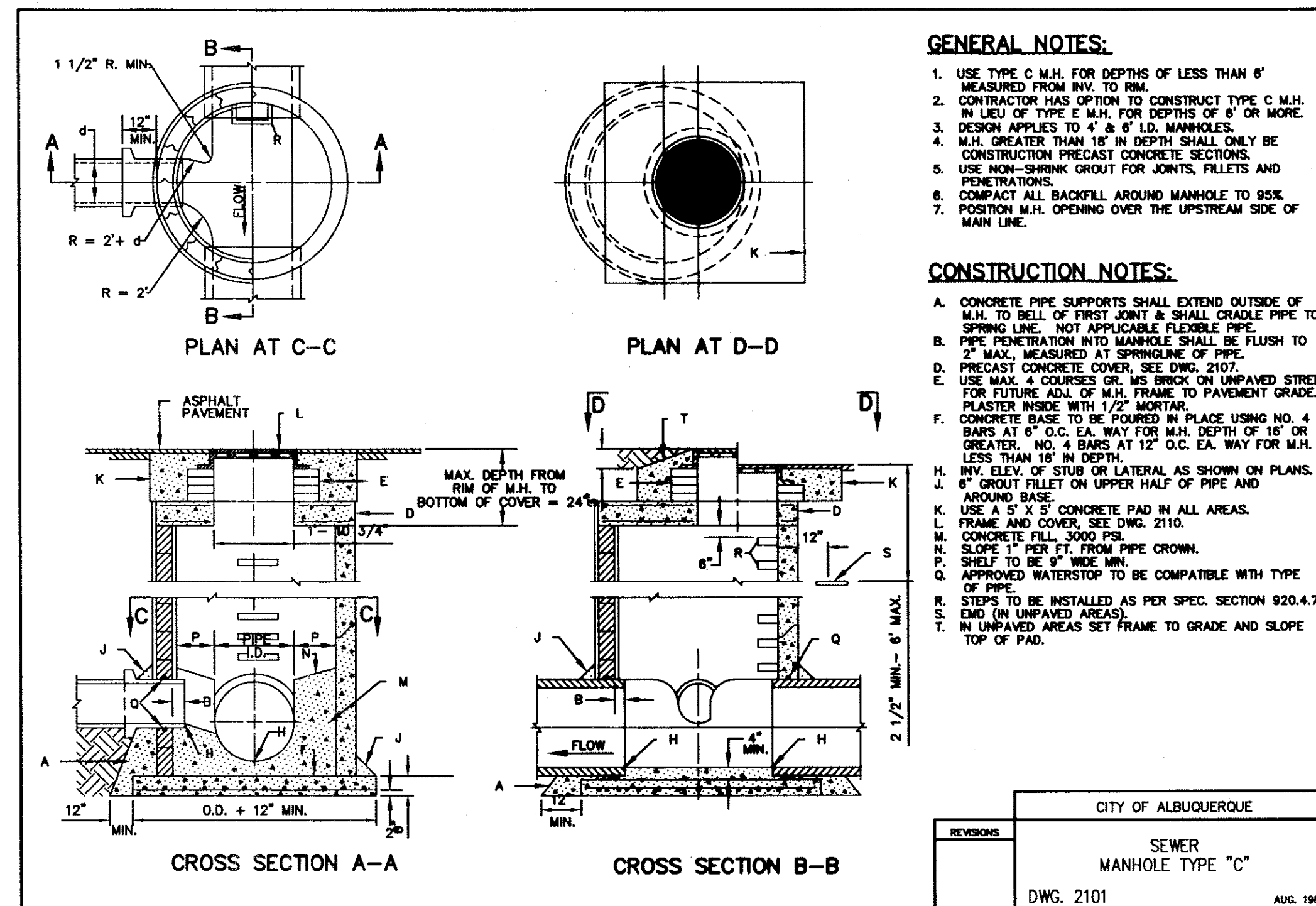
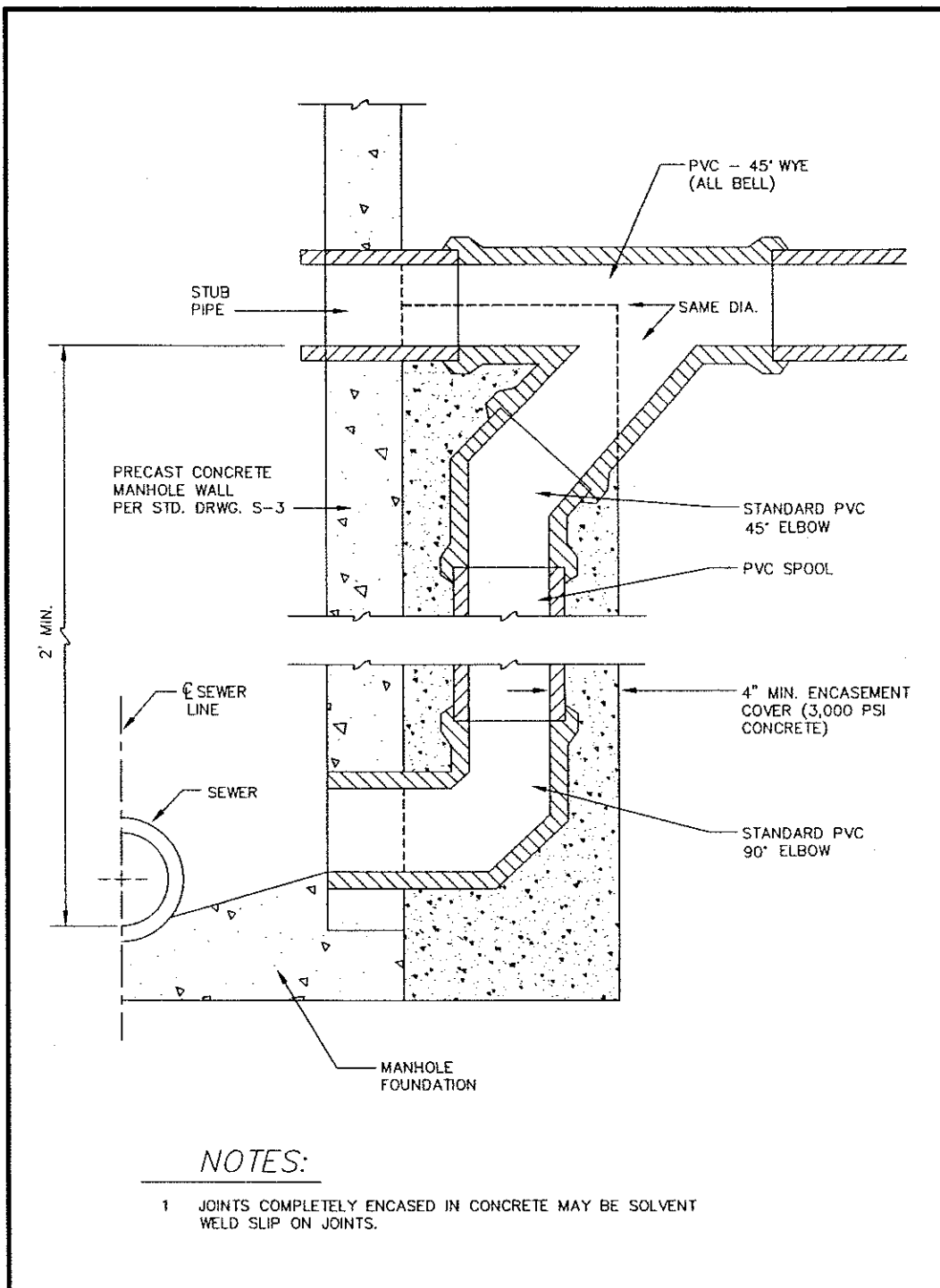
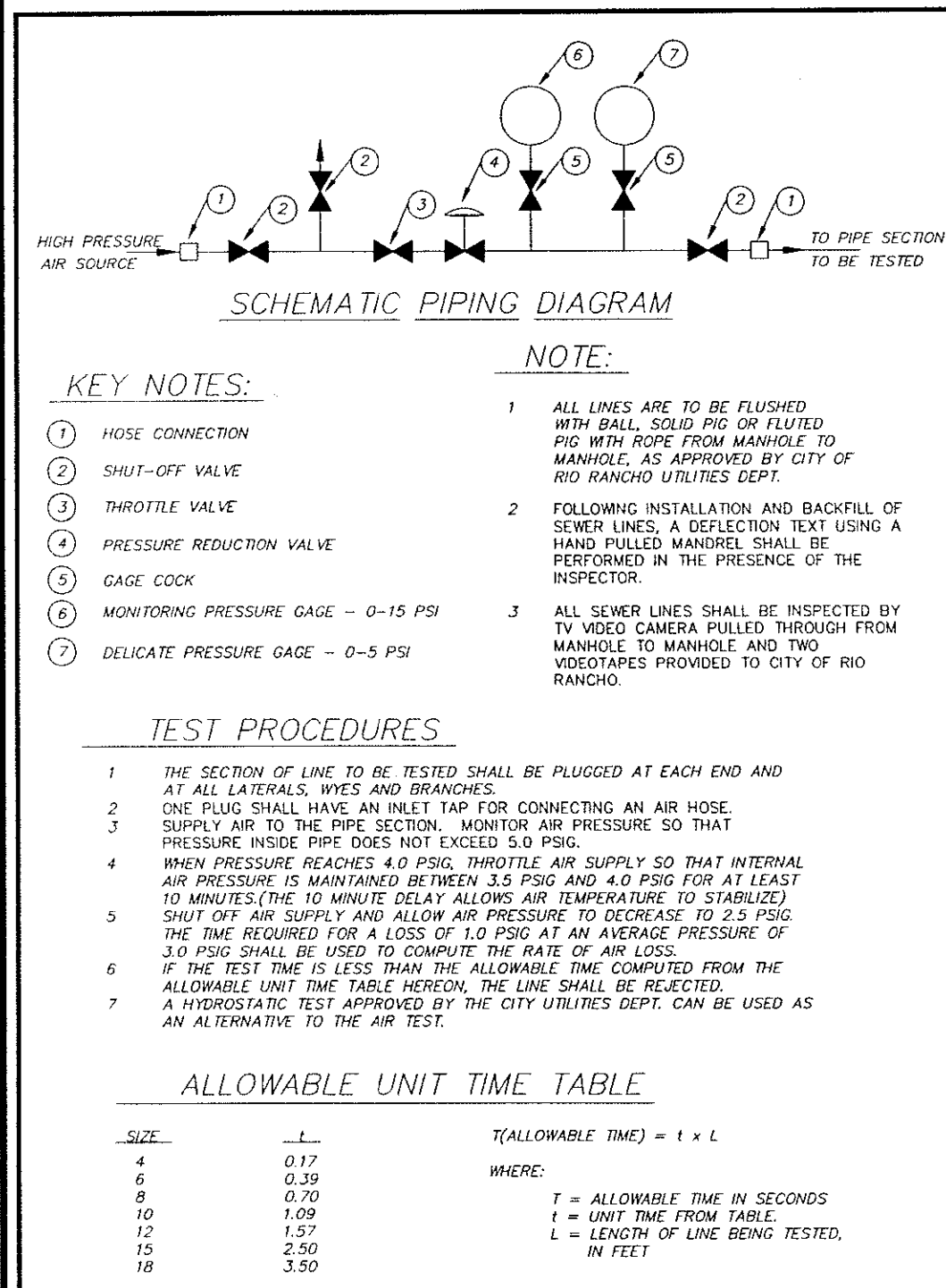
**WILSON & COMPANY**  
2600 THE AMERICAN ROAD SE SUITE 100 RIO RANCHO, NEW MEXICO 87124 (505) 898-8021

**REVISIONS**

| NO.    | DATE | REMARKS           | BY                 |
|--------|------|-------------------|--------------------|
| DESIGN | JDB  | WCEA NO. X4218012 | DATE FEB 2007      |
| DRAWN  | JDB  | PROJECT NO. N/A   | SHEET NO. 71 OF 79 |
| CHECK  | JDB  |                   |                    |

**JAMES D. BRAUER**  
NEW MEXICO  
15639  
PROFESSIONAL ENGINEER

**2-21-07**



CITY OF RIO RANCHO  
PUBLIC INFRASTRUCTURE SERVICES  
ENGINEERING DIVISION

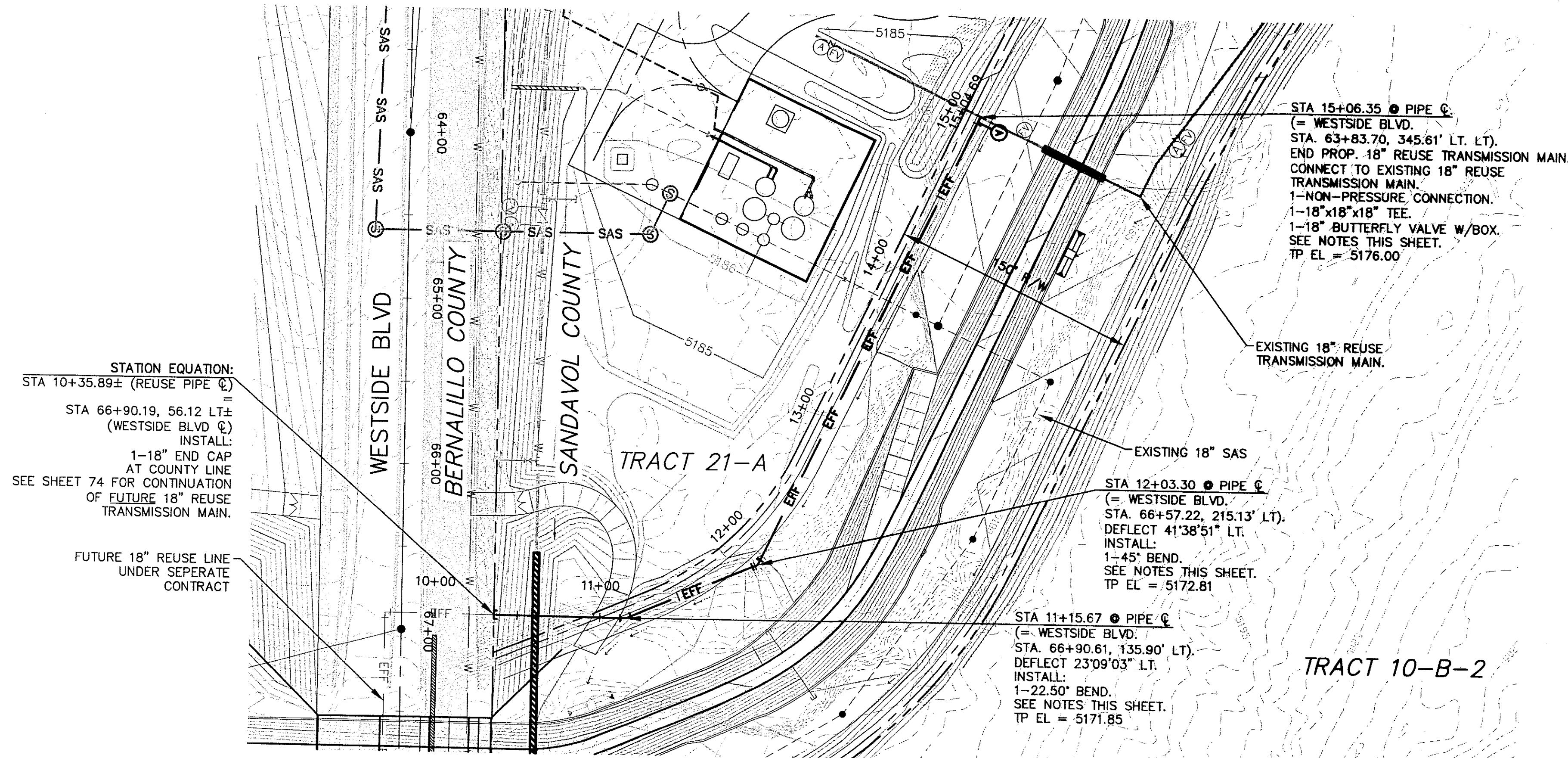
**WILSON & COMPANY**  
2600 THE AMERICAN ROAD SE  
SUITE 100  
RIO RANCHO, NEW MEXICO  
87124  
(505) 898-8021

**JAMES D. BRAUER**  
15639  
PROFESSIONAL ENGINEER

**WESTSIDE PHASE II**

**SANITARY SEWER DETAILS**

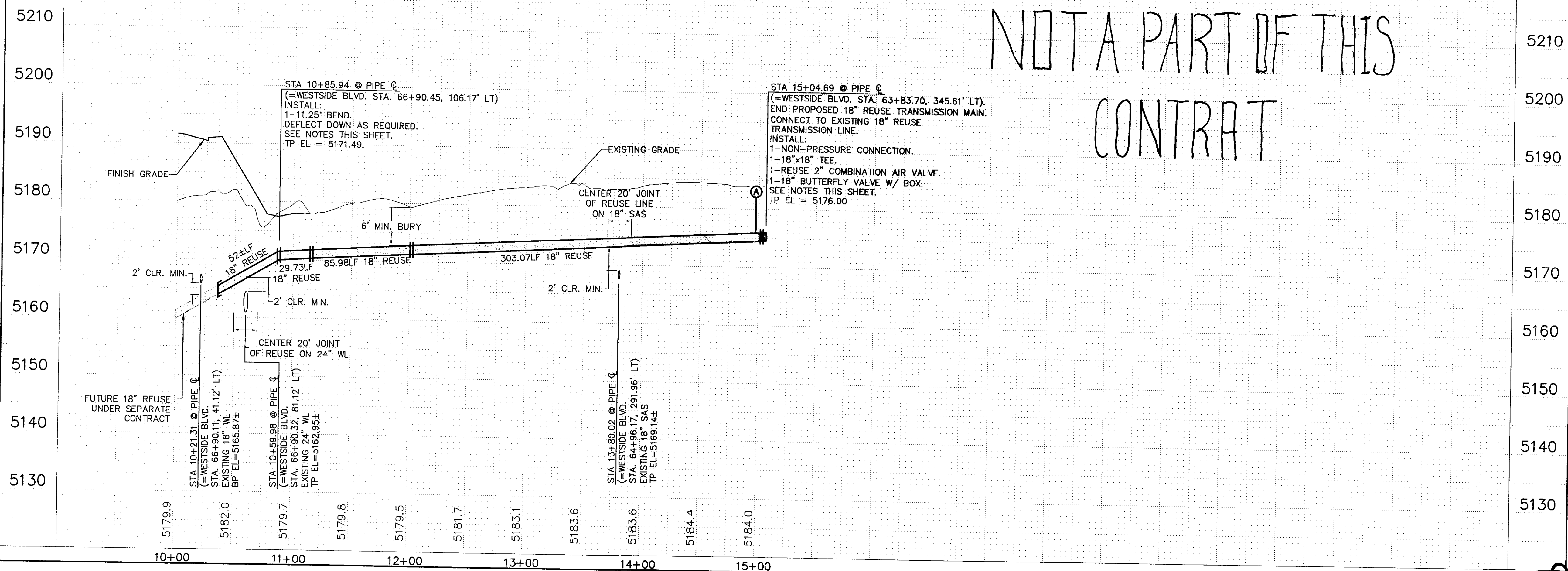
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|-----------|-----|-------------------|-----------|----------|
| DESIGN    | JDB | WCEA NO. X4218012 | DATE      | FEB 2007 |
| DRAWN     | JDB | PROJECT NO.       | SHEET NO. | 72 OF 79 |
| CHECK     | JDB | N/A               |           |          |



EAST BRANCH CHANNEL

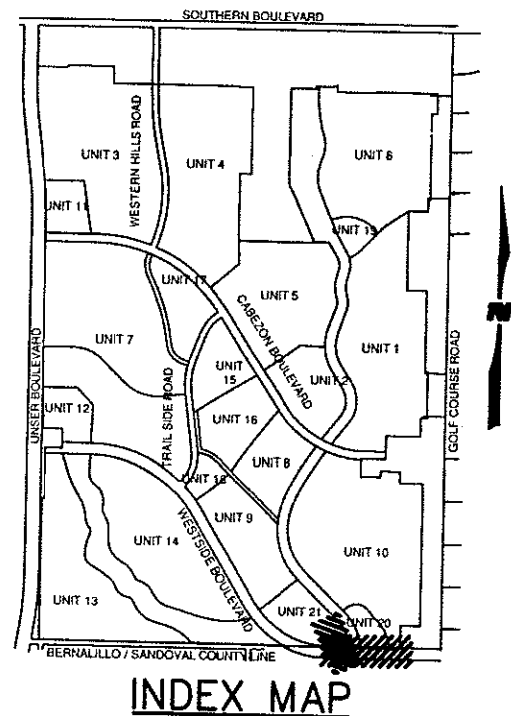
SCALE:  
HORIZ: 1" = 50'  
VERT: 1" = 10'

NOT A PART OF THIS  
CONTRACT



### GENERAL NOTES:

- CENTER 20' JOINT OF PIPE ON ALL POTABLE WATER CROSSINGS TYP.
- ALL PIPE AND FITTINGS SHALL BE INTEGRALLY RESTRAINED DUCTILE IRON AS MANUFACTURED BY AMERICAN CAST IRON PIPE COMPANY (FLEX-RING), US PIPE (TR FLEX), OR GRIFFIN PIPE (SNAP-LOK). DUCTILE IRON PIPE SHALL BE PC-250.
- DEFLECTIONS AT PIPE JOINTS AND FITTINGS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH PIPE MANUFACTURER'S RECOMMENDED PRACTICES.
- WHERE ANY SINGLE JOINT DEFLECTION IS SHOWN EXCEEDING THE MANUFACTURER'S MAXIMUM RECOMMENDED DEFLECTION, CONTRACTOR SHALL EVENLY DISTRIBUTE TOTAL DEFLECTION BETWEEN UPSTREAM AND DOWNSTREAM JOINTS OF PIPE TO ACCOMMODATE TOTAL DEFLECTION REQUIREMENTS WITHOUT EXCEEDING MANUFACTURER'S RECOMMENDATION.
- LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO BEGINNING WORK. THE LOCATION OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE BASED ON AVAILABLE RECORD INFORMATION, ABOVE GROUND FEATURES VISIBLE IN THE FIELD, AND VERBAL DESCRIPTIONS BY THE CITY OF RIO RANCHO. IN THE EVENT CONDITIONS IN THE FIELD ARE NOT AS SHOWN ON THE DRAWINGS, CONTRACTOR SHALL NOTIFY THE PUBLIC INFRASTRUCTURE PROJECT MANAGER IMMEDIATELY SO THAT NECESSARY CHANGES TO THE DESIGN MAY BE MADE WITH THE MINIMUM OF INTERRUPTION TO THE PROJECT SCHEDULE.

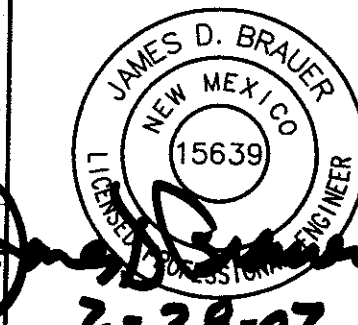


CITY OF RIO RANCHO  
PUBLIC INFRASTRUCTURE SERVICES  
ENGINEERING DIVISION

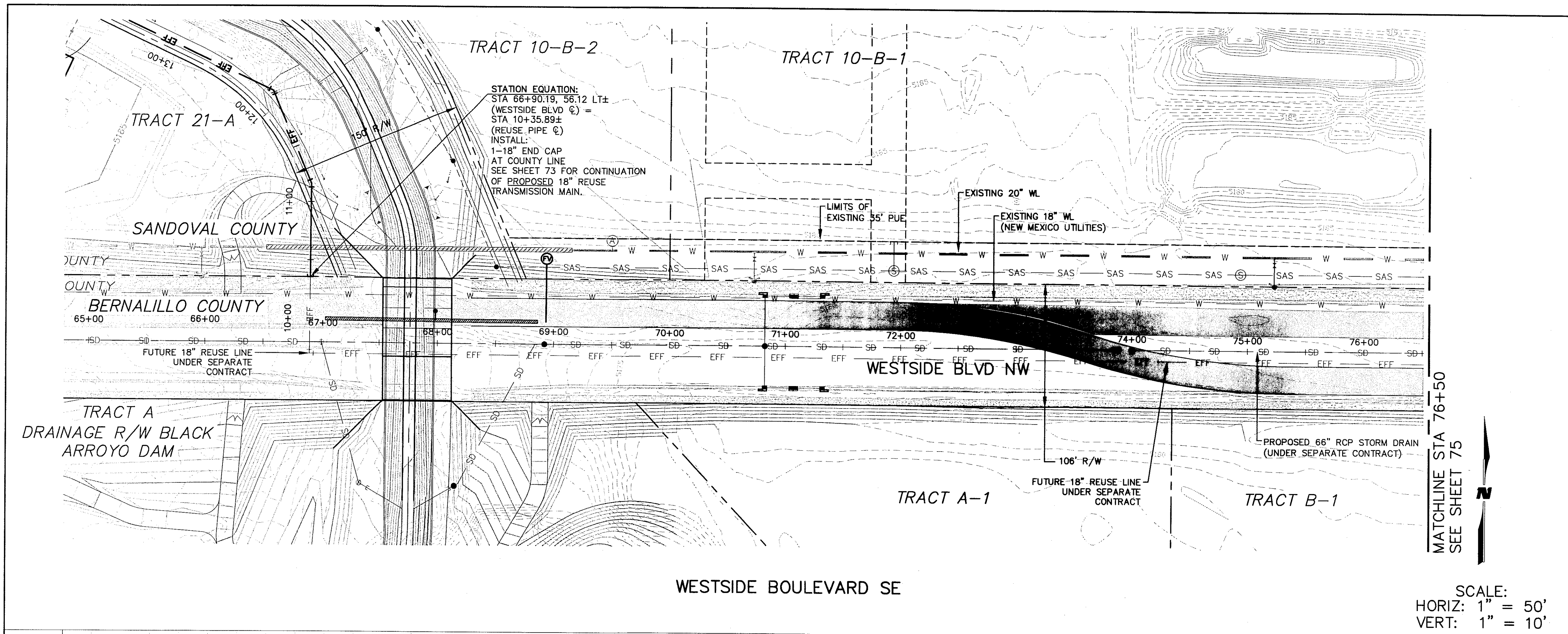
**WILSON & COMPANY**  
2600 THE AMERICAN ROAD SE  
SUITE 100  
RIO RANCHO, NEW MEXICO  
87124  
(505) 898-8021

WESTSIDE PHASE II

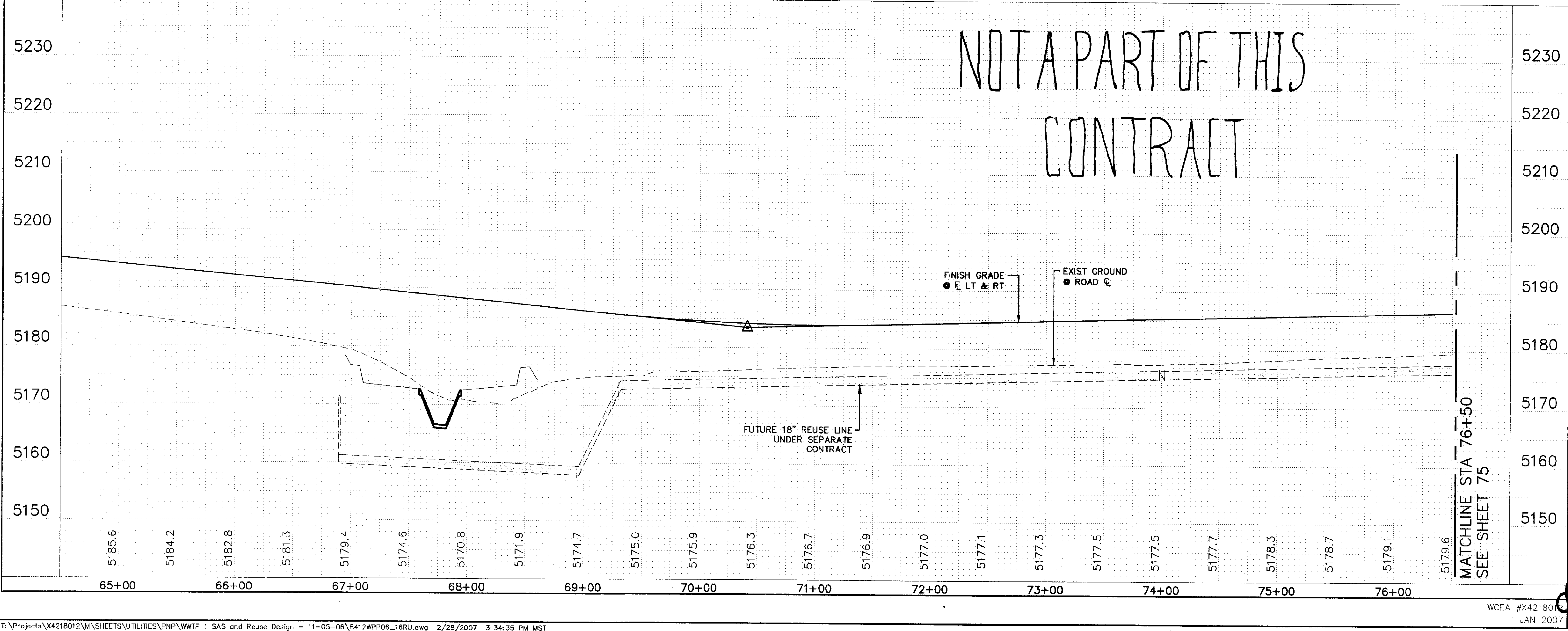
REUSE TRANSMISSION LINE  
EAST BRANCH/WESTSIDE BLVD  
STA 10+00 TO STA 15+04.65



| REVISIONS | NO. | DATE              | REMARKS   | BY       |
|-----------|-----|-------------------|-----------|----------|
| DESIGN    | JSD | WCEA NO. X4218012 | DATE      | FEB 2007 |
| DRAWN     | JSD | DRAWING NO.       | SHEET NO. |          |
| CHECK     | JDB | N/A               | 73 OF 79  |          |



- GENERAL NOTES:**
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  - ALL PIPE AND FITTINGS SHALL BE INTEGRALLY RESTRAINED DUCTILE IRON AS MANUFACTURED BY AMERICAN CAST IRON PIPE COMPANY (FLEX-RING), US PIPE (TR FLEX), OR GRIFFIN PIPE (SNAP-LOK). DUCTILE IRON PIPE SHALL BE PC-250.
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**NOT A PART OF THIS CONTRACT**

**INDEX MAP**

**CITY OF RIO RANCHO PUBLIC INFRASTRUCTURE SERVICES ENGINEERING DIVISION**

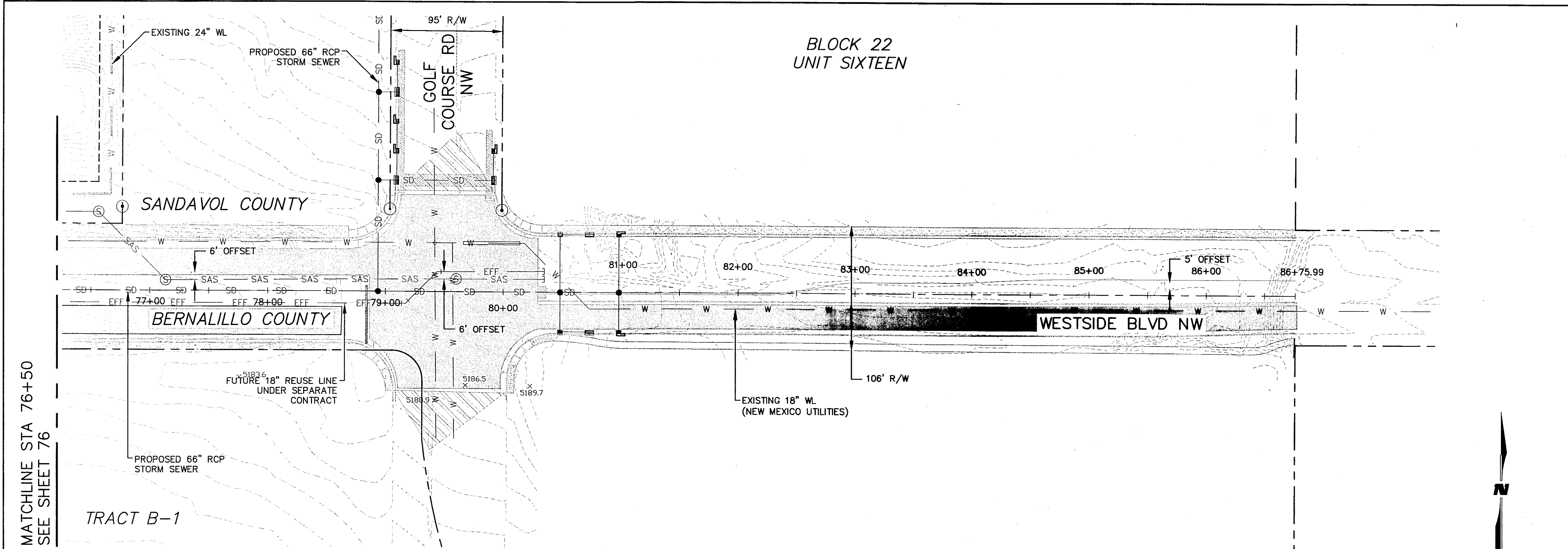
**WESTSIDE PHASE II REUSE TRANSMISSION MAIN WEST SIDE ROAD SE STA 68+93.65 TO STA 76+50.00**

**WILSON & COMPANY**  
2600 THE AMERICAN ROAD SE  
SUITE 100  
RIO RANCHO, NEW MEXICO 87124  
(505) 898-8021

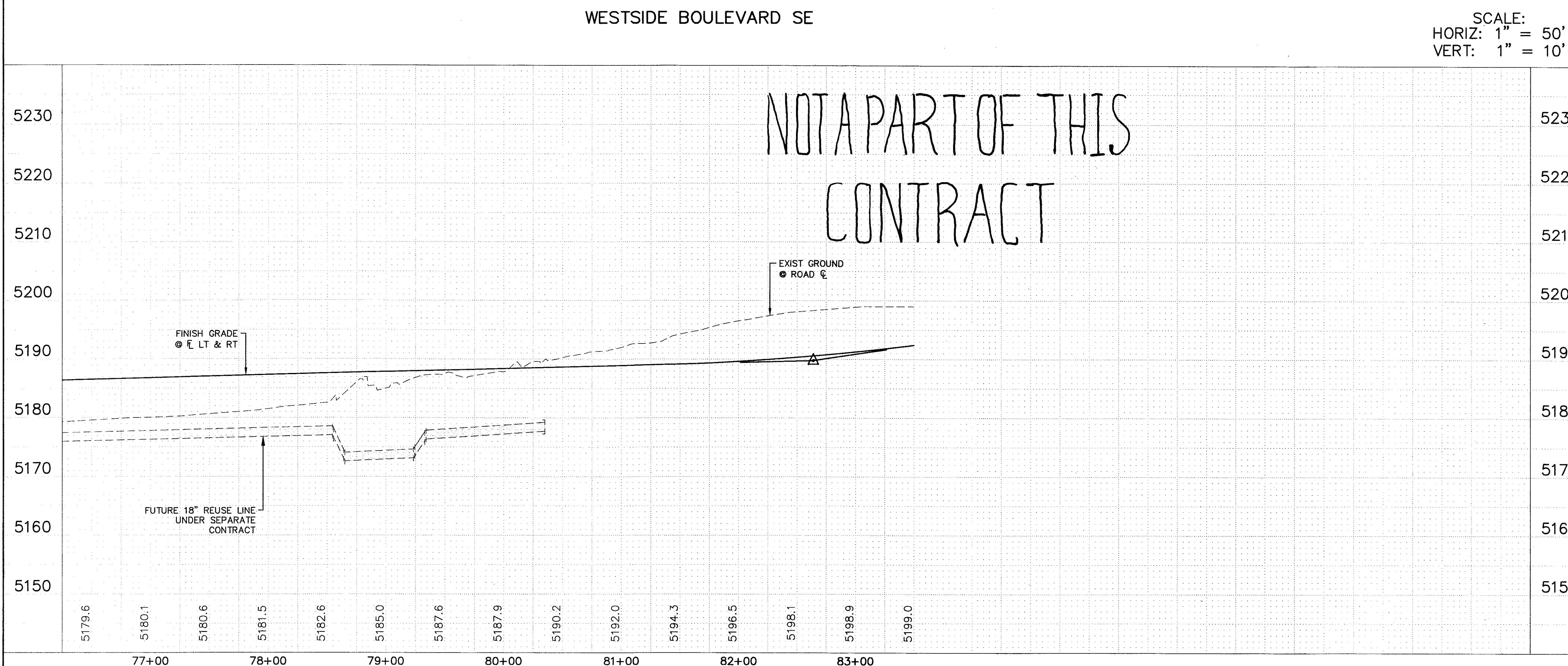
**REVISIONS**

| NO. | DATE | REMARKS | BY |
|-----|------|---------|----|
|     |      |         |    |
|     |      |         |    |
|     |      |         |    |

**DESIGN** JSD **WCEA NO.** X4218012 **DATE** FEB 2007  
**DRAWN** JSD **DRAWING NO.** **SHEET NO.**  
**CHECK** JDB **N/A** **74 OF 79**



- GENERAL NOTES:
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SCALE:  
HORIZ: 1" = 50'  
VERT: 1" = 10'

BENCH MARKS  
US&GS BRASS TABLET STAMPED  
ELEVATION = 5118.370 FT. NOV 29 U.S. FEET

INDEX MAP

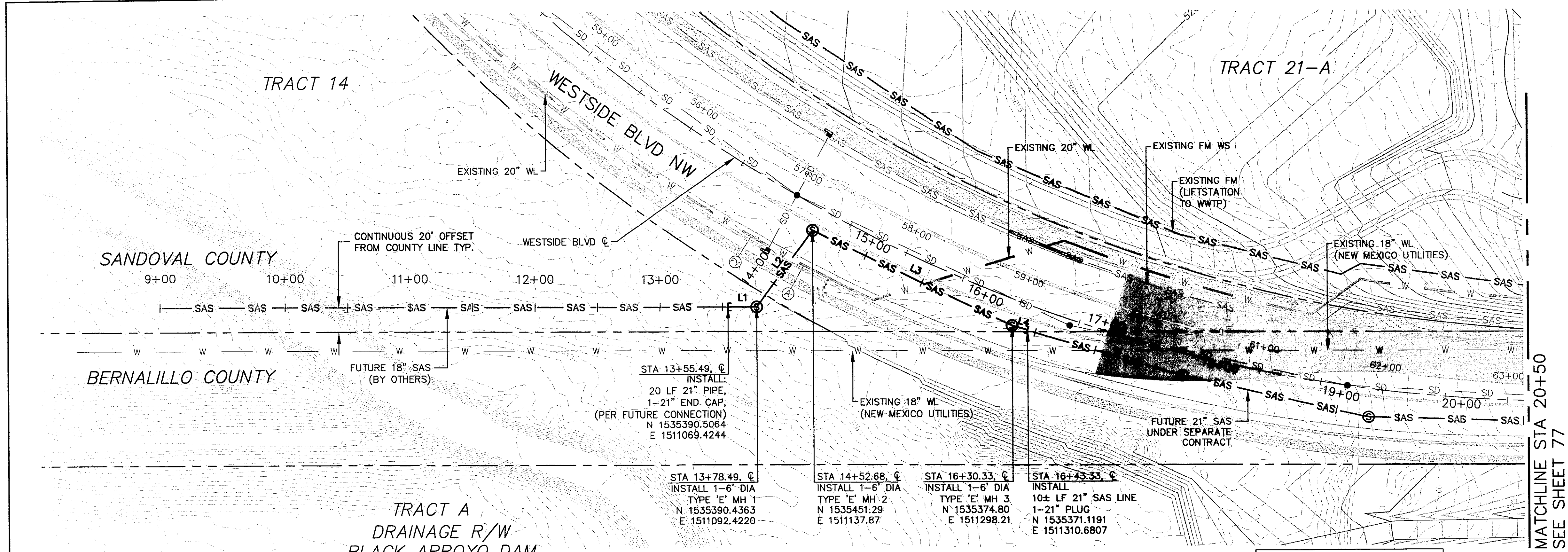
CITY OF RIO RANCHO  
PUBLIC INFRASTRUCTURE SERVICES  
ENGINEERING DIVISION

WESTSIDE PHASE II  
REUSE TRANSMISSION LINE  
EAST BRANCH/WESTSIDE BLVD  
STA 76+50.00 TO STA 80+35.00

WILSON & COMPANY  
2600 THE AMERICAN ROAD SE  
SUITE 100  
RIO RANCHO, NEW MEXICO  
87124  
(505) 898-8021

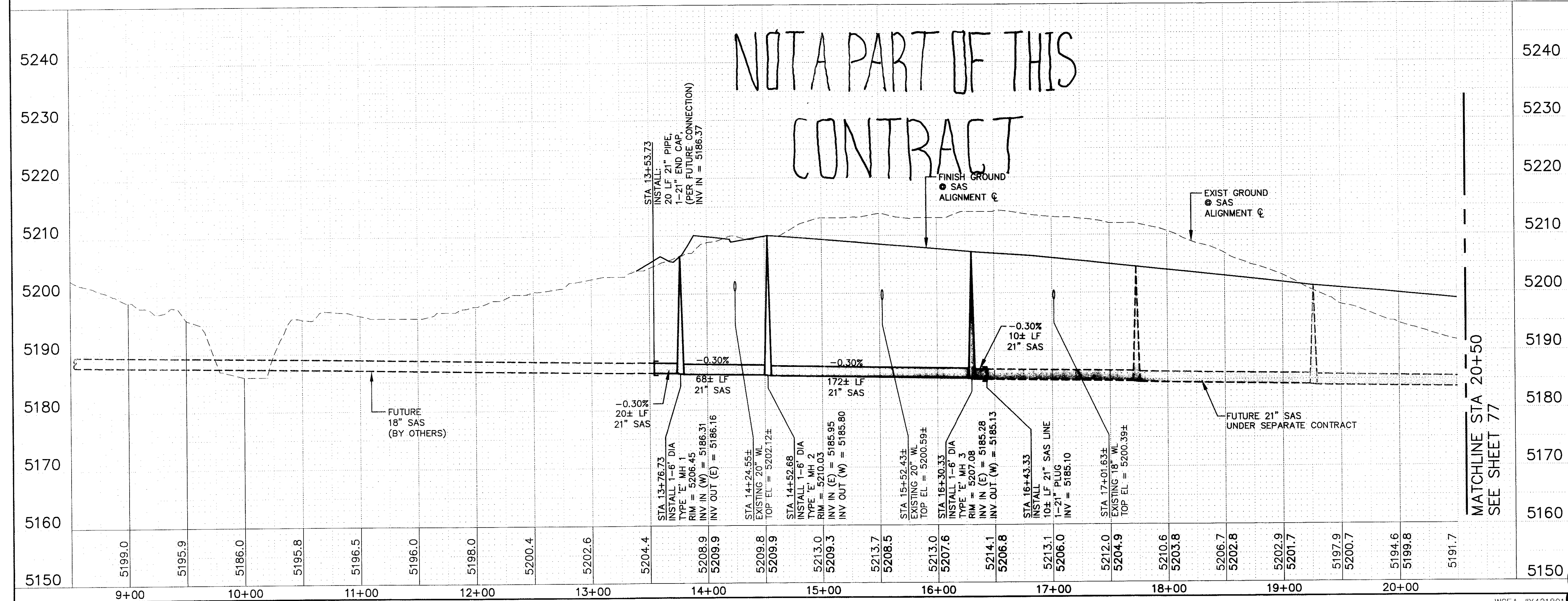
JAMES D. BRAUER  
NEW MEXICO  
15639  
11 YEARS

| REVISIONS | NO. | DATE              | REMARKS   | BY       |
|-----------|-----|-------------------|-----------|----------|
| DESIGN    | JSD | WCEA NO. X4218012 | DATE      | FEB 2007 |
| DRAWN     | JSD | DRAWING NO.       | SHEET NO. |          |
| CHECK     | JDB | N/A               | 75 OF 79  |          |

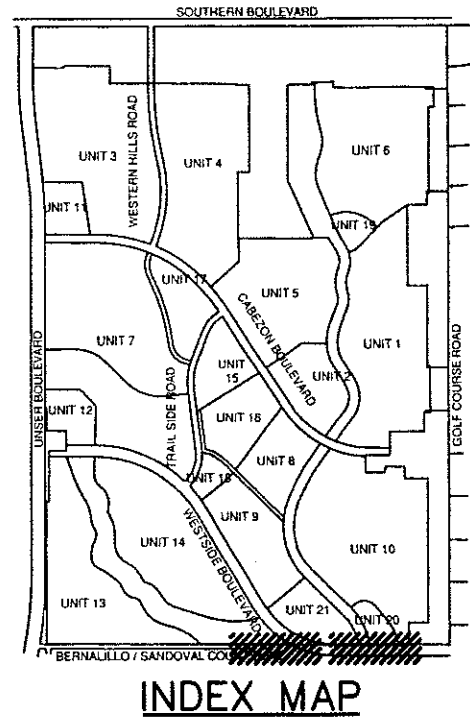


| LINE TABLE |         |             |
|------------|---------|-------------|
| LINE       | LENGTH  | BEARING     |
| L1         | 23.00'  | S89°49'31"E |
| L2         | 75.95'  | N36°45'06"E |
| L3         | 177.66' | S64°29'54"E |
| L4         | 10'     | S73°31'56"E |

SCALE:  
HORIZ: 1" = 50'  
VERT: 1" = 10'



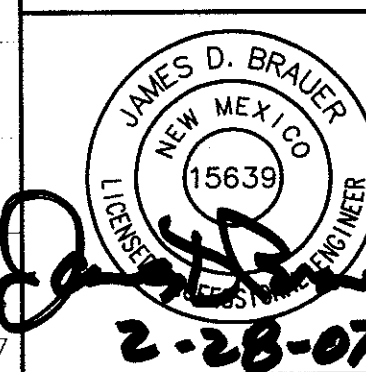
- GENERAL NOTES:
- ALL 18" AND GREATER SHALL BE ASTM F679 (T-2) PVC (PS-46). ALL GRAVITY & SANITARY SEWER PIPE 15" AND SMALLER SHALL BE ASTM D3034 PVC SDR-35 (PS-46).
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CITY OF RIO RANCHO  
PUBLIC INFRASTRUCTURE SERVICES  
ENGINEERING DIVISION

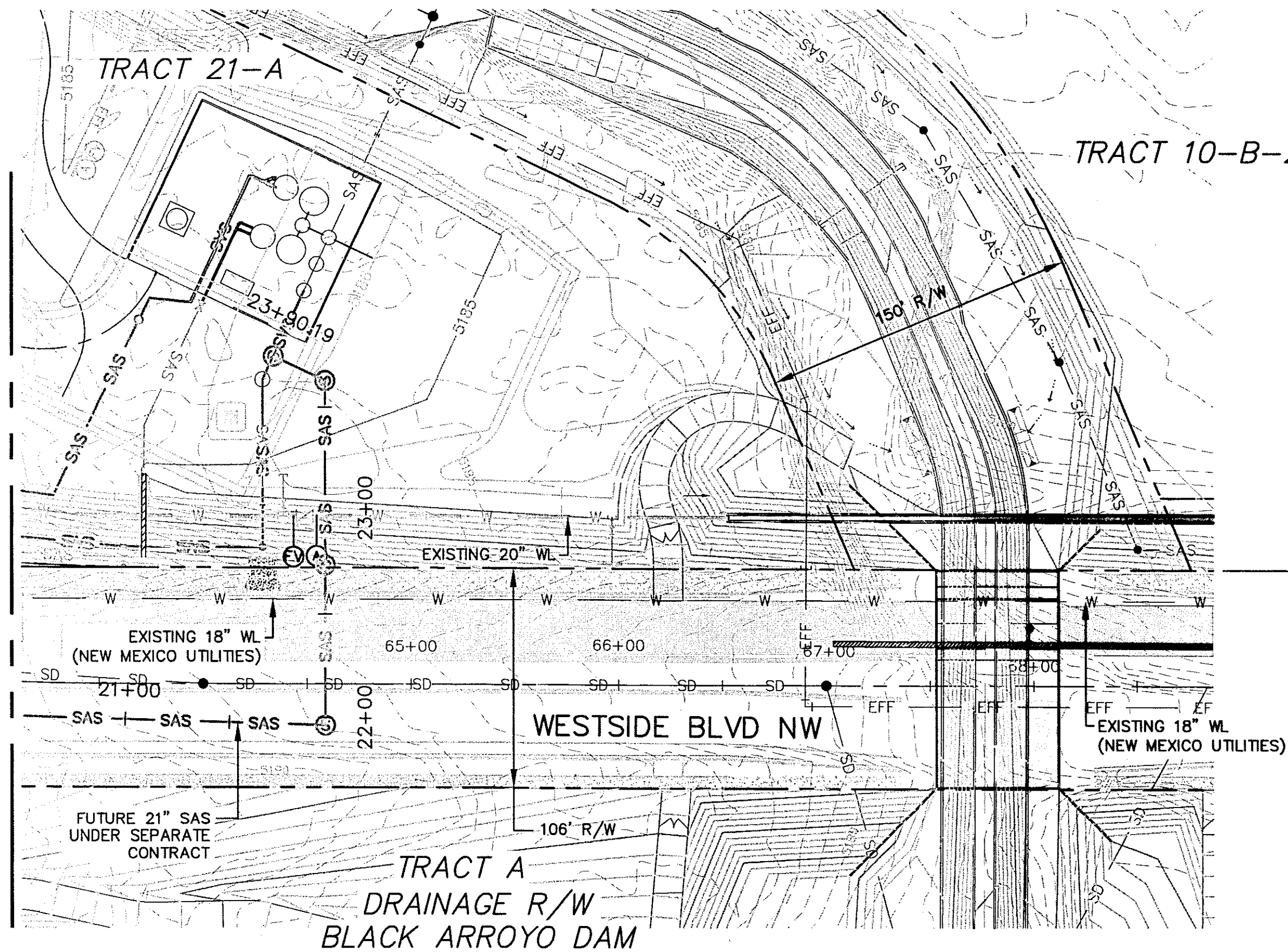
**WILSON & COMPANY**  
2600 THE AMERICAN ROAD SE  
SUITE 100  
RIO RANCHO, NEW MEXICO  
87124  
(505) 898-8021

WESTSIDE PHASE II  
SANITARY SEWER  
WEST SIDE ROAD SE  
STA 10+00 TO STA 20+50



| REVISIONS         |     | NO.       | DATE | REMARKS  | BY |
|-------------------|-----|-----------|------|----------|----|
| DESIGN            | JDB |           |      |          |    |
| DRAWN             | ZAS |           |      |          |    |
| CHECK             | JDB |           |      |          |    |
| WCEA NO. X4218012 |     | DATE      |      | FEB 2007 |    |
| DRAWING NO.       |     | SHEET NO. |      | 76 OF 79 |    |
| N/A               |     |           |      |          |    |

MATCHLINE STA 20+50  
SEE SHEET 76

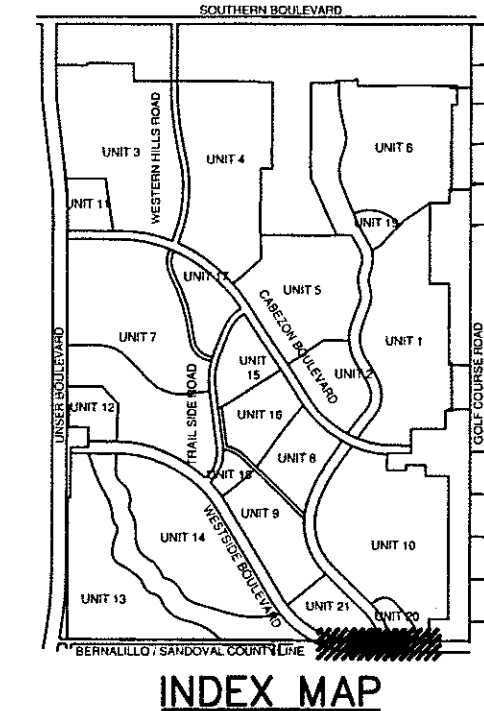
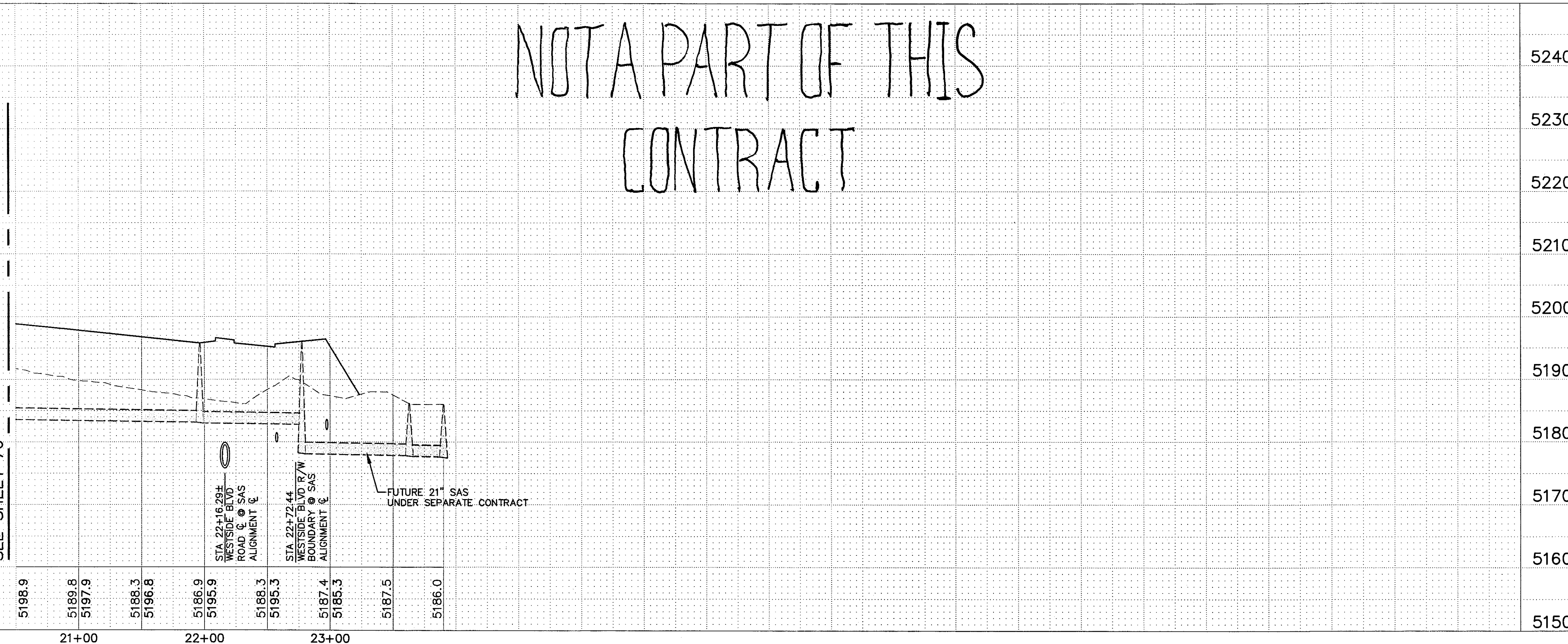


WESTSIDE BOULEVARD NW

SCALE:  
HORIZ: 1" = 50'  
VERT: 1" = 10'

NOT A PART OF THIS  
CONTRACT

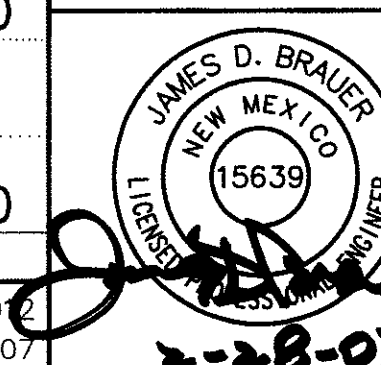
MATCHLINE STA 20+50  
SEE SHEET 76



CITY OF RIO RANCHO  
PUBLIC INFRASTRUCTURE SERVICES  
ENGINEERING DIVISION

**WILSON & COMPANY**  
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RIO RANCHO, NEW MEXICO  
87124  
(505) 898-8021

WESTSIDE PHASE II  
SANITARY SEWER  
WEST SIDE ROAD SE  
STA 20+50 TO STA 23+90.19



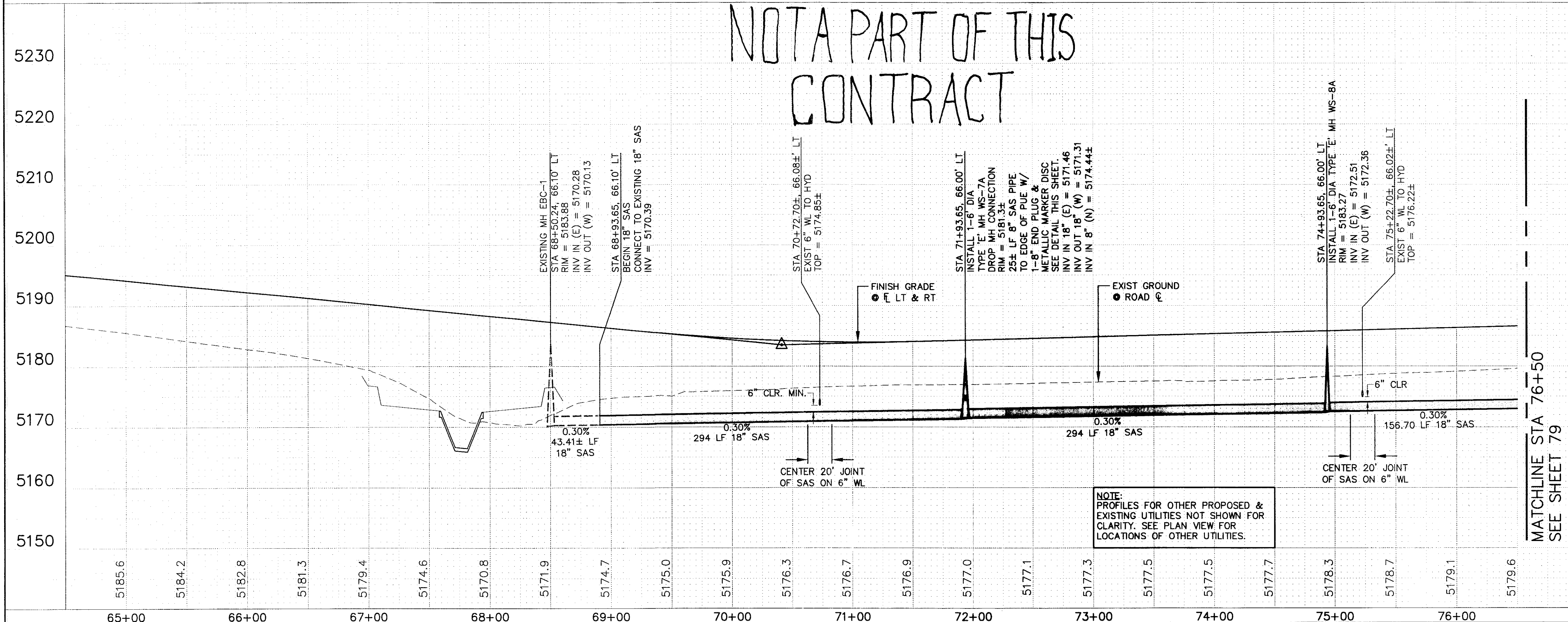
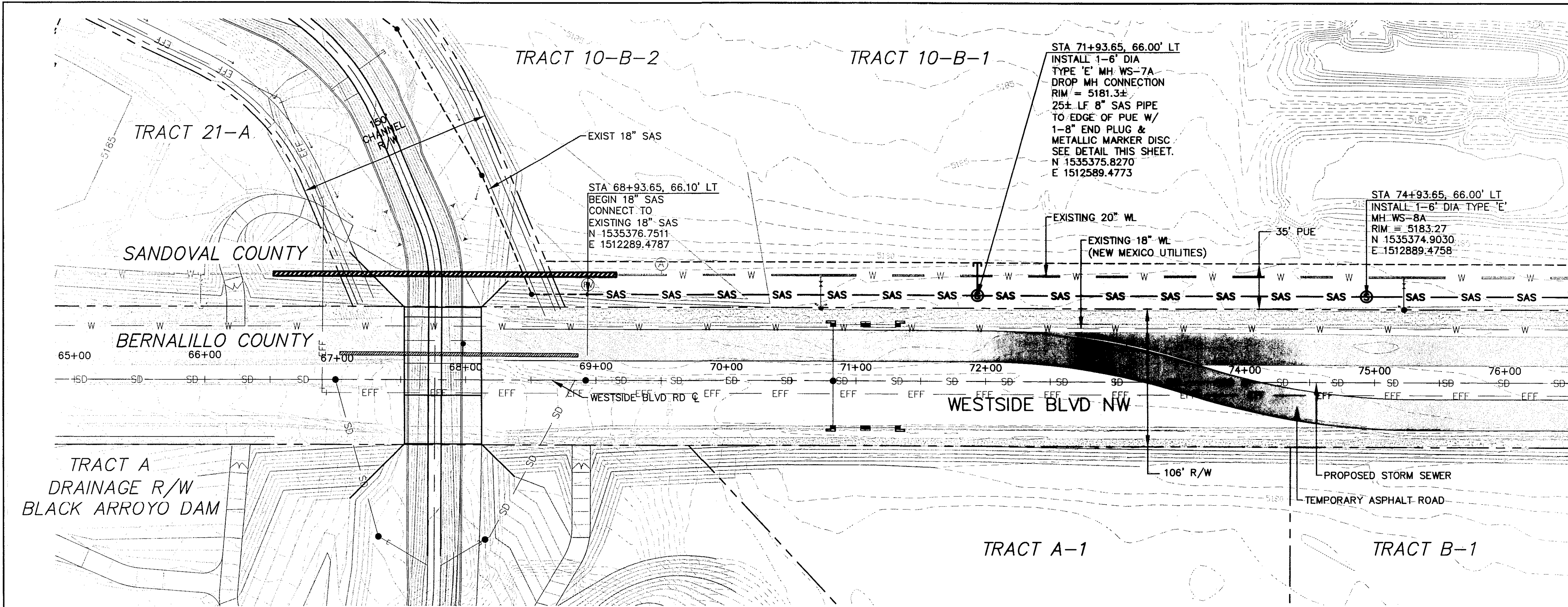
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| DESIGN    | JDB | WCEA NO. X4218012 | DATE FEB 2007      |    |
| DRAWN     | ZAS | DRAWING NO. N/A   | SHEET NO. 77 OF 79 |    |
| CHECK     | JDB |                   |                    |    |

WCEA #X4218012  
JAN 2007

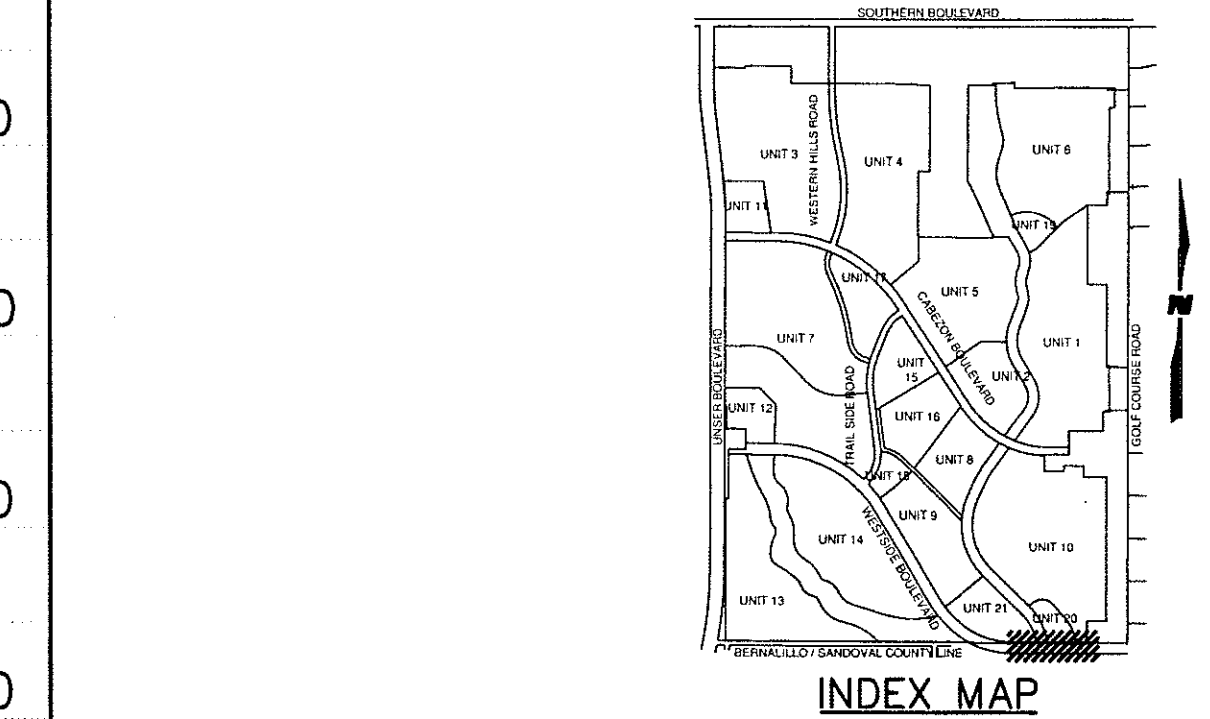
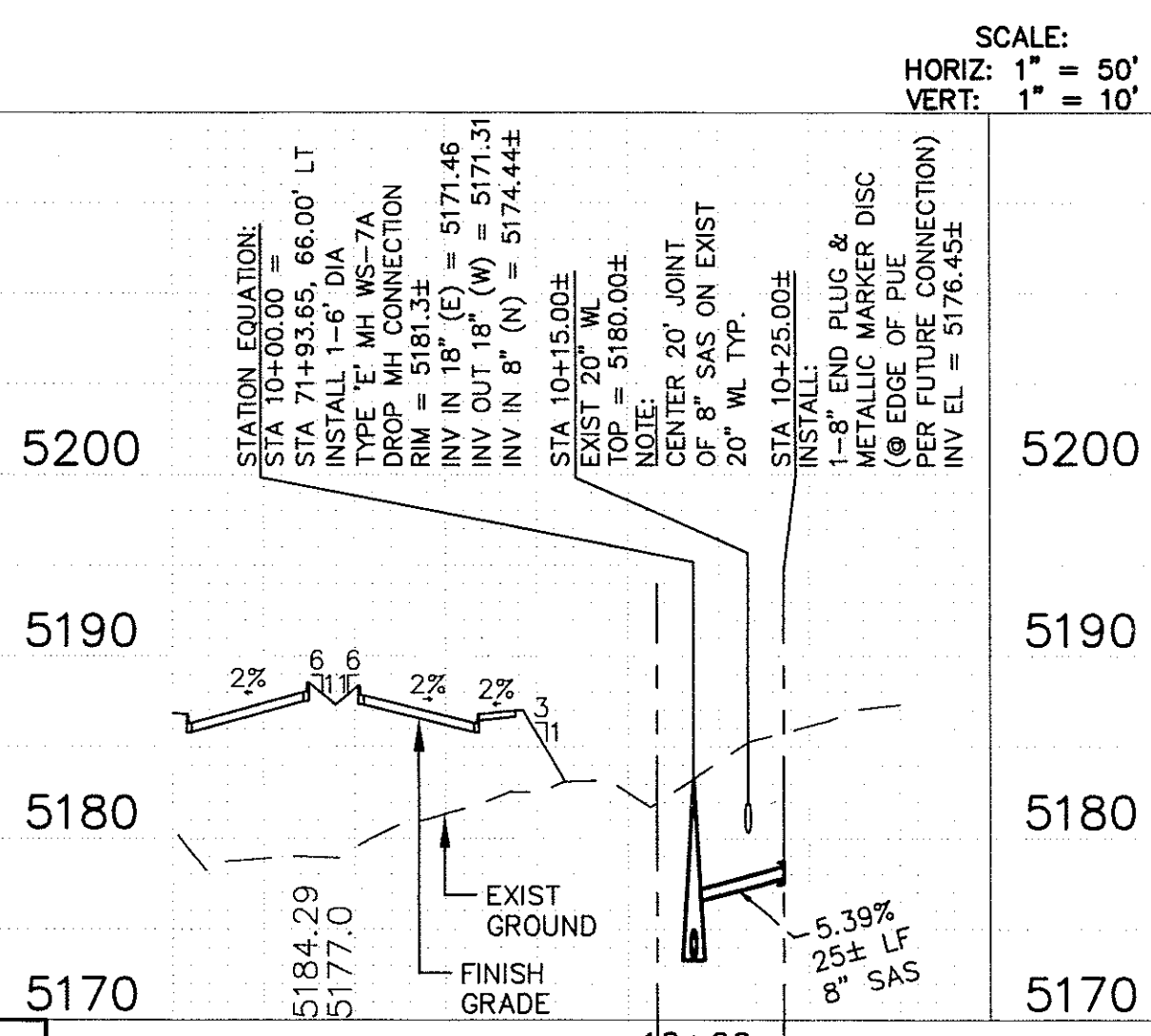
2-28-07

- GENERAL NOTES:
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| AS-BUILT INFORMATION |      |      |      | MICROFILM INFORMATION |      |      |      |
|----------------------|------|------|------|-----------------------|------|------|------|
| CONTRACTOR           | DATE | NO.  | DATE | RECORDED BY           | DATE | NO.  | DATE |
| DATE                 | DATE | DATE | DATE | DATE                  | DATE | DATE | DATE |
| DATE                 | DATE | DATE | DATE | DATE                  | DATE | DATE | DATE |



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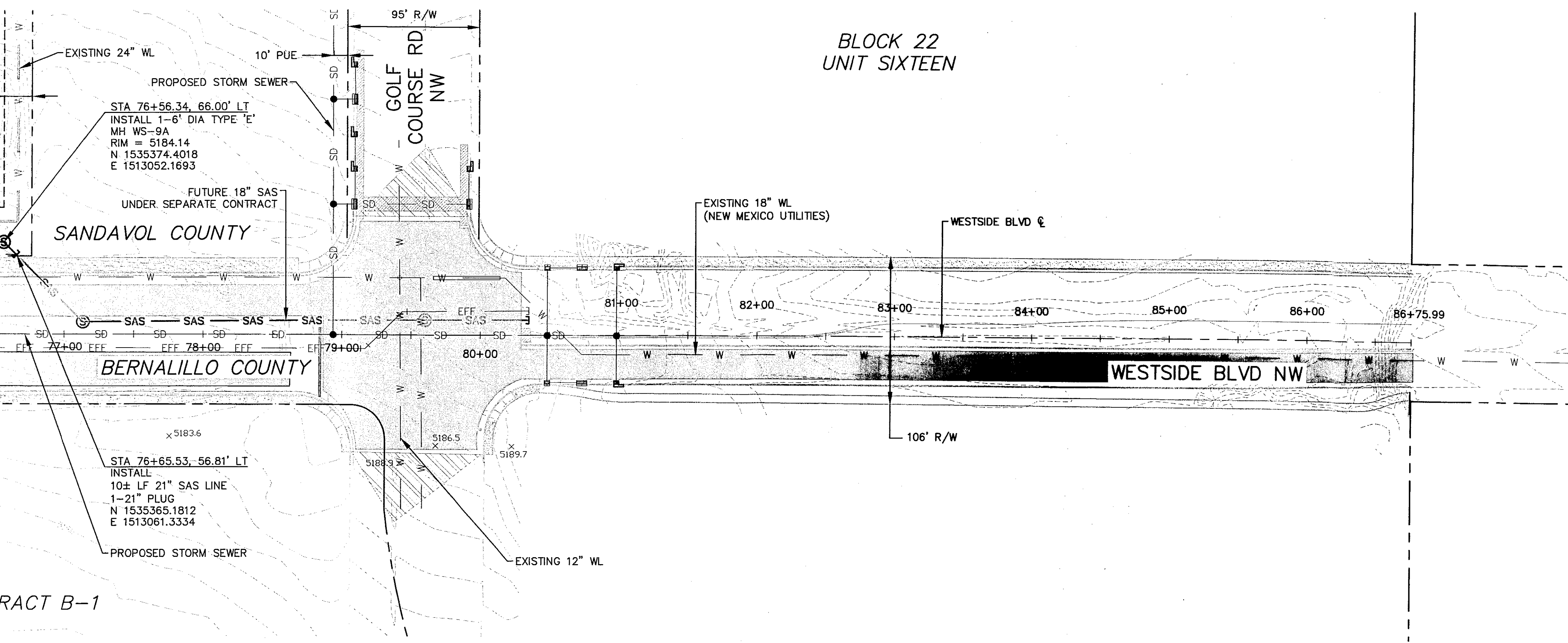


CITY OF RIO RANCHO  
PUBLIC INFRASTRUCTURE SERVICES  
ENGINEERING DIVISION

**WILSON & COMPANY**  
2600 THE AMERICAN ROAD SE  
SUITE 100  
RIO RANCHO, NEW MEXICO  
87124  
(505) 898-8021

| REVISIONS | WESTSIDE PHASE II<br>SANITARY SEWER<br>WEST SIDE ROAD SE<br>STA 68+93.65 TO STA 76+50.00 |                   |                    |    |
|-----------|------------------------------------------------------------------------------------------|-------------------|--------------------|----|
|           | NO.                                                                                      | DATE              | REMARKS            | BY |
| DESIGN    | ZAS                                                                                      | WCEA NO. X4218012 | DATE FEB 2007      |    |
| DRAWN     | ZAS                                                                                      | DRAWING NO. N/A   | SHEET NO. 78 OF 79 |    |
| CHECK     | JDB                                                                                      |                   |                    |    |

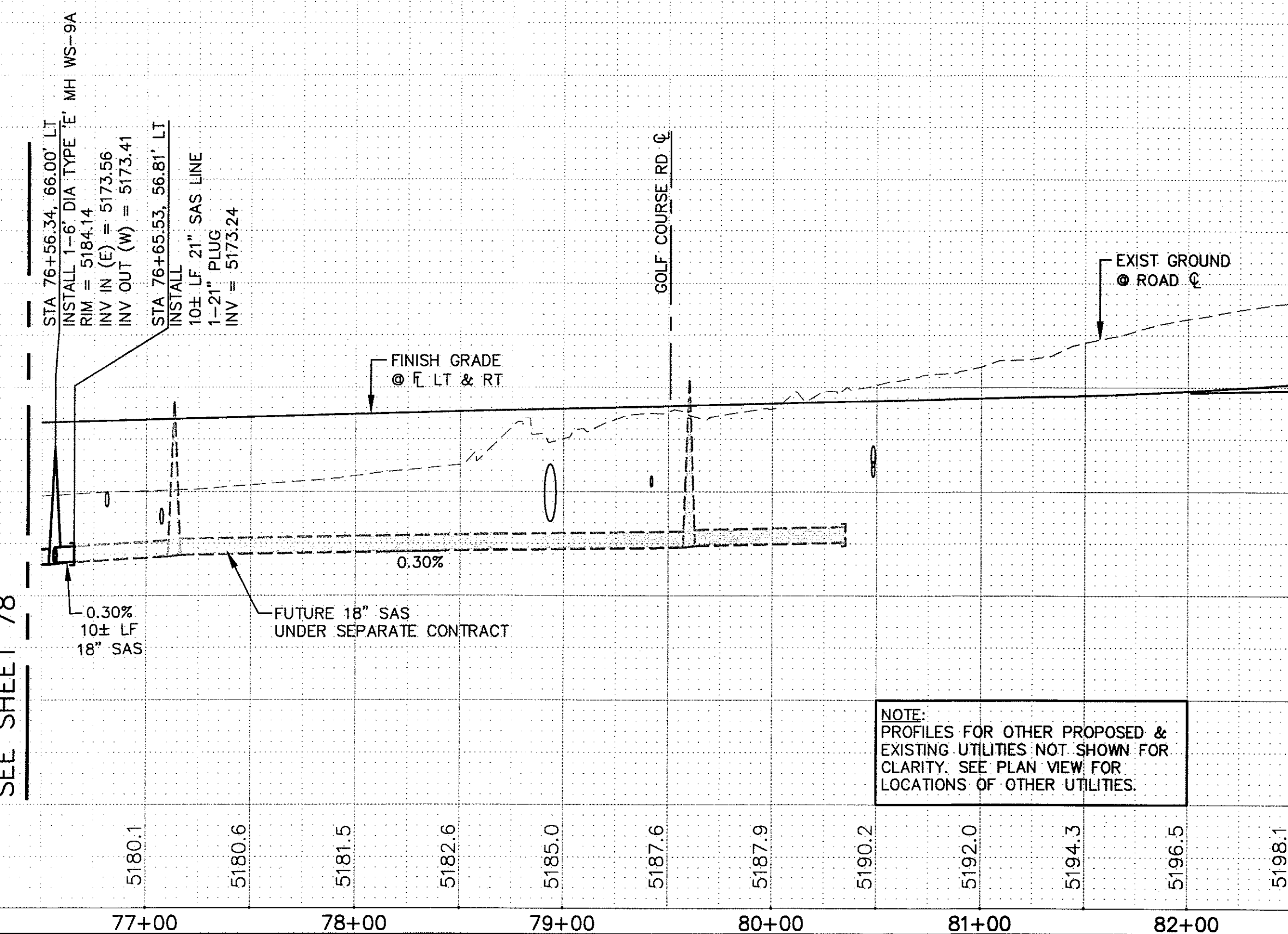
| SURVEY INFORMATION |    | BENCH MARKS |                                                                                                                                                                                      | AS-BUILT INFORMATION |      | MICROFILM INFORMATION |      |
|--------------------|----|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------|-----------------------|------|
| NO.                | BY | DATE        | USC&GS BRASS TABLET STAMPED "TRANS. 1969" LOCATED 6 MILES SOUTHWEST OF DOWNTOWN ALBUQUERQUE IN THE RIGHT-OF-WAY OF A PLAINS ELECTRIC CO-OP ELEVATION = 5118.370 FT. NOV 29 U.S. FEET | CONTRACTOR           | DATE | RECORDED BY           | DATE |
|                    |    |             |                                                                                                                                                                                      |                      |      |                       |      |



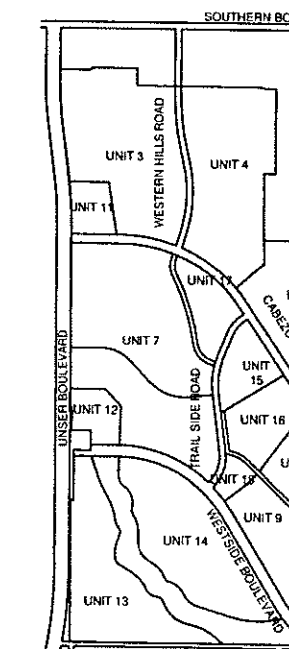
WESTSIDE BOULEVARD NW

SCALE:  
HORIZ: 1" = 50'  
VERT: 1" = 10'

NOT A PART OF THIS  
CONTRACT



NOTE:  
PROFILES FOR OTHER PROPOSED &  
EXISTING UTILITIES NOT SHOWN FOR  
CLARITY. SEE PLAN VIEW FOR  
LOCATIONS OF OTHER UTILITIES.



# GENERAL NOTES:

1. ALL 18" AND GREATER SHALL BE ASTM F679 (T-2) ALL GRAVITY & SANITARY SEWER PIPE 15" AND SM ASTM D3034 PVC SDR-35 (PS-46).
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CITY OF RIO RANCHO  
PUBLIC INFRASTRUCTURE SERVICE  
ENGINEERING DIVISION

**WILSON & COMPANY**  
2600 THE AMERICAN ROAD SE  
SUITE 100  
RIO RANCHO, NEW MEXICO  
87124  
(505) 898-8021

WESTSIDE  
SANITARY  
WEST SIDE  
STA 76+50.00 TO

JAMES D. BRAUER  
NEW MEXICO  
15639  
PROFESSIONAL ENGINEER

| REVISIONS | NO. |      | DATE   |     |
|-----------|-----|------|--------|-----|
|           | NO. | DATE | DESIGN | ZAS |
|           |     |      | DRAWN  | ZAS |
|           |     |      | CHECK  | JDB |

WCEA NO.  
DRAWING NO.  
N/

WCEA #X426012  
JAN 2007