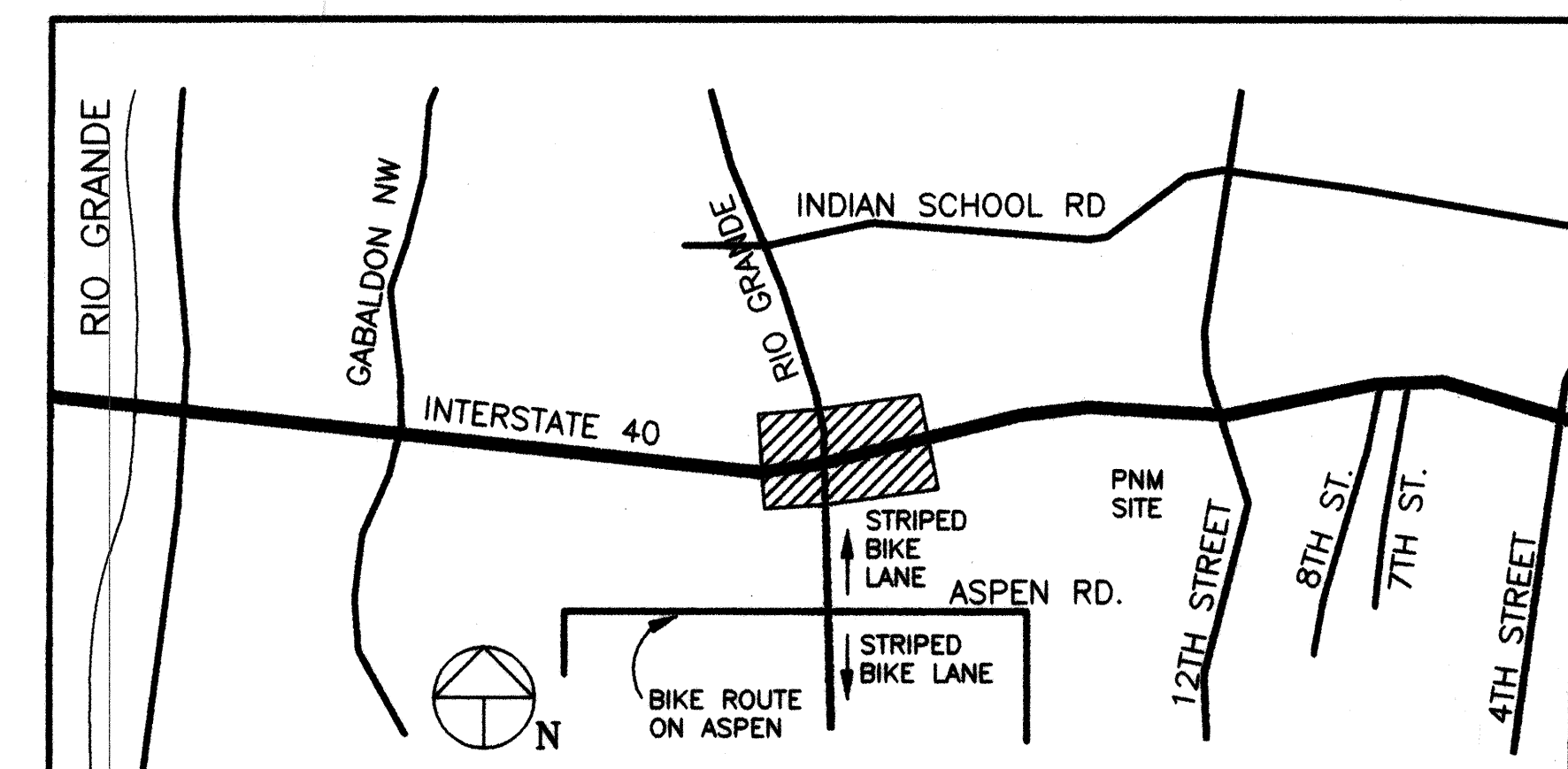
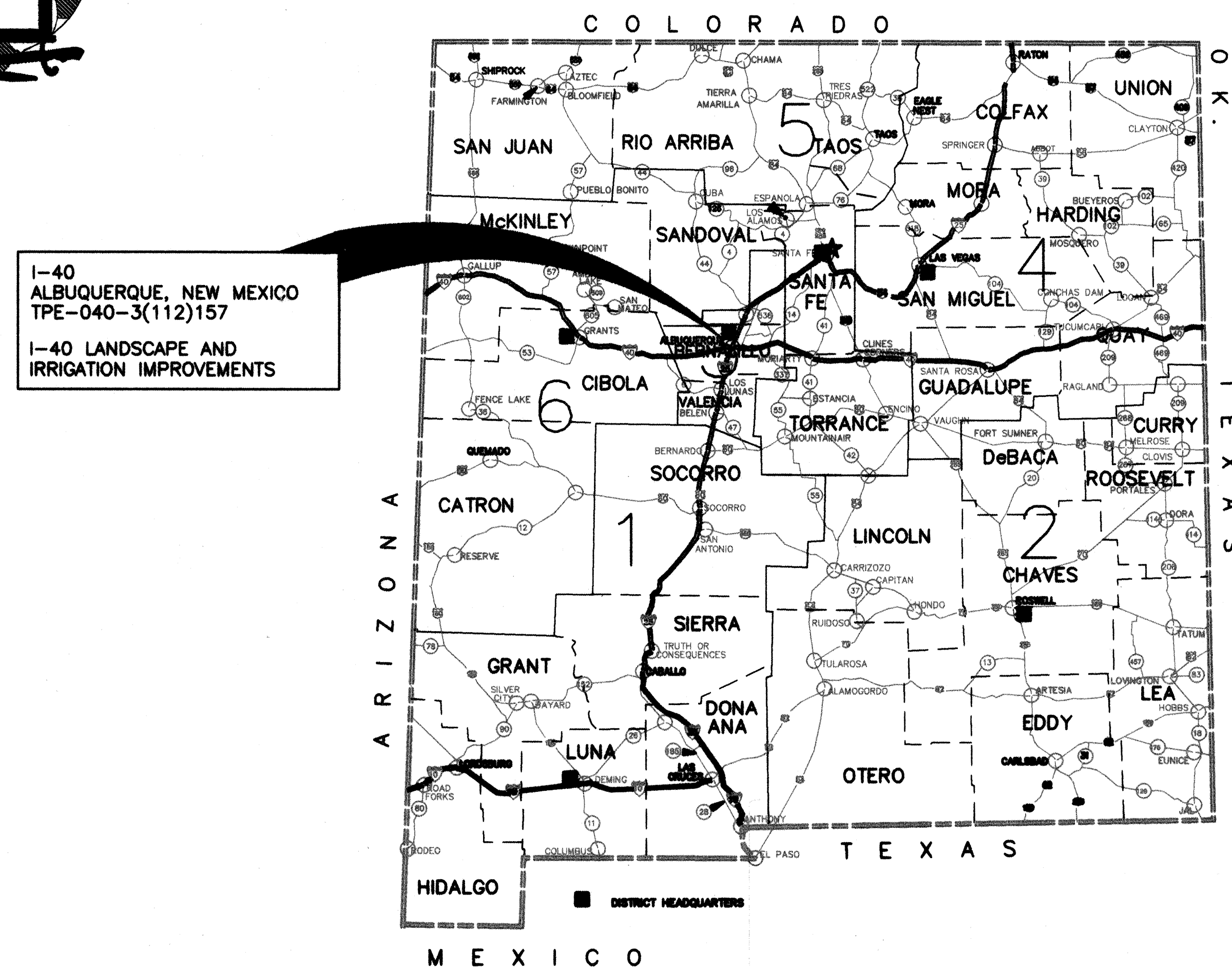


The seal of the City of Albuquerque, New Mexico, is a circular emblem. At the center is a shield containing the year '1706'. Above the shield is a banner with the words 'NEW MEXICO'. Above the banner is a smaller shield with a sunburst and the word 'SEAL'. The entire emblem is enclosed within a larger shield-shaped border. The top of the border features a sunburst and the word 'ALBUQUERQUE'. The sides of the border are decorated with stylized flames or rays. The bottom of the border is a simple horizontal line.

NMSHTD  
CONTROL NUMBER 2951



| SHEET | DESCRIPTION  |
|-------|--|
| 1     | COVER  |
| 2     | GENERAL NOTES AND QUANTITIES   |
| 3     | 140-RIO GRANDE PLANTING PLAN   |
| 4     | 140-RIO GRANDE IRRIGATION PLAN   |
| 5     | LANDSCAPE AND IRRIGATION DETAILS   |
| 6     | TRAFFIC CONTROL SIGNING AND<br>CONSTRUCTION TRAFFIC CONTROL<br>STANDARDS |
| 7     | TYPICAL TRAFFIC CONTROL AND SIGNING<br>EXAMPLES (REF MUTCD)              |



ZONE ATLAS MAP NO: H-12, 13, 14

TYPE OF PROJECT: CONSTRUCTION OF A LANDSCAPE  
INCLUDING DEMOLITION, GRADING, PLANTER, PLANTING AND  
IRRIGATION

FOR INFORMATION ONLY



**5150 A SAN FRANCISCO NE**  
**ALBUQUERQUE, NM 87109**  
**PHONE: 505-822-8200**  
**FAX: 505-822-8282**  
**E-MAIL: mail@sites-ew.com**  
**WEB: www.sites-ew.com**

# PLANNING LANDSCAPE ARCHITECTURE MARKET ANALYSIS

[illegible]



NOTES

GENERAL

CONTRACTOR SHALL BE FAMILIAR WITH PLANS, DETAILS AND SPECIFICATIONS AS THEY PERTAIN TO THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT MANAGER IF ANY ITEMS CONTAINED WITHIN THE SCOPE OF WORK DEFINED HEREIN ARE IN CONFLICT WITH THE PROPOSED WORK OF OTHER CONTRACTORS.

LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH PROJECT MANAGER AND OTHER CONTRACTORS.

EXISTING UTILITY LINES ARE TO BE BLUE STAKED PRIOR TO EXCAVATION FOR PLANT MATERIALS. CHECK AND FIELD VERIFY ALL SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO EXCAVATION. CALL N.M. ONE-CALL AT 260-1990 FOR BLUE STAKING. IF PROBLEMS ARE DISCOVERED, CONTACT PROJECT MANAGER TO DETERMINE A COURSE OF ACTION.

CONTRACTOR SHALL PROTECT NEWLY GRADED AREAS FROM TRAFFIC AND EROSION. KEEP AREAS FREE OF TRASH AND DEBRIS. REPAIR AND RE-ESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS AT THE CONCLUSION OF EACH PLANTING SEQUENCE OR AS DIRECTED BY THE PROJECT MANAGER.

PROTECTION

PROTECTION OF PERSON AND PROPERTY: CONTRACTOR IS TO BARRICADE OPEN EXCAVATIONS OCCURRING AS PART OF THIS WORK AND POST WITH WARNING LIGHTS OR OTHER WARNING MEASURES AS NECESSARY. PROTECTION OF EXISTING SHRUBS, TREES AND OTHER PLANT MATERIALS IS ALSO TO BE INCLUDED.

PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY EARTHWORK OPERATIONS. ALL DAMAGES THAT MAY OCCUR DURING THIS PHASE OF WORK SHALL BE THE CONTRACTOR'S FINANCIAL RESPONSIBILITY.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING PLANT MATERIALS ALONG AND OUTSIDE OF RIGHT-OF-WAY. CONTRACTOR SHALL REPLACE IN KIND ANY PLANT MATERIALS DAMAGED DURING THE COURSE OF WORK.

GRADING

FINE GRADING SURFACE SHALL BE RAKED FREE OF EXTRANEOUS MATERIALS AND DEBRIS TO A SMOOTH AND EVEN TEXTURE. ALL EXTRANEOUS MATTER SHALL BE DISPOSED OF BY CONTRACTOR.

TRAFFIC CONTROL/BARRICADING

ANY TRAFFIC CONTROL OR BARRICADING IMPACTING FREEWAY RAMPS SHALL BE APPROVED BY AND COORDINATED WITH NMHS & TD DISTRICT THREE TRAFFIC ENGINEER.

NOTICE TO CONTRACTORS

- 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 No.6
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL 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 CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR 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 PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THE PROJECT LIMITS NOT SHOWN ON THE PLANS THAT IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT DESIGNER'S EXPENSE.

SUMMARY OF QUANTITIES

| ITEM NO. | DESCRIPTION   | UNT | ROADWAY/TRAIL |       | LANDSCAPING |       | CONSTRUCTION SIGNING |       | PERMANENT SIGNING |       | CONSTRUCTION ENGINEERING |       |
|----------|---|-----|---------------|-------|-------------|-------|----------------------|-------|-------------------|-------|--------------------------|-------|
|          |   |     | ESTIMATE      | FINAL | ESTIMATE    | FINAL | ESTIMATE             | FINAL | ESTIMATE          | FINAL | ESTIMATE                 | FINAL |
| 0004.01  | CONSTRUCTION STAKING  | JOB |               |       |             |       |                      |       |                   |       | 1                        |       |
| 0006.01  | PROJECT CONSTRUCTION SIGN(S)  | EA  |               |       |             |       | 2                    |       |                   |       |                          |       |
| 0006.05  | CONSTRUCTION MOBILIZATION   | LS  | 1             |       |             |       |                      |       |                   |       |                          |       |
| 0019.01  | CONSTRUCTION TRAFFIC CONTROL  | LS  |               |       |             |       |                      |       |                   |       | 1                        |       |
| 0110.XX  | COBBLE SWALES WITH WILDFLOWER SEEDING W/ STEEL EDGING                                 | SF  |               |       | 3912        |       |                      |       |                   |       |                          |       |
| 0110.XX  | STACKED ROCK PLANTER WALL-COMplete  | SF  |               |       | 800         |       |                      |       |                   |       |                          |       |
| 0110.XX  | 4" DEPTH CRUSHER FINES OVER FILTER FABRIC   | SF  |               |       | 84,460      |       |                      |       |                   |       |                          |       |
| 0122.XX  | MEDIAN PLANTER WATERPROOF MEMBRANE, CIP, SD2930                                       | SF  |               |       | 3,245       |       |                      |       |                   |       |                          |       |
| 0201.01  | SITE CLEAR & GRUB   | AC  | 2             |       |             |       |                      |       |                   |       |                          |       |
| 0343.075 | CURB & GUTTER, PC CONC., SAWCUT, REMOVE AND DISPOSE, AND REPLACE COMPL.               | LF  | 9             |       |             |       |                      |       |                   |       |                          |       |
| 0343.132 | ARTERIAL PAVEMENT, EXISTING, REMOVE & REPLACE INC. 2" EXTRA, MACH. LAY                | SY  | 23            |       |             |       |                      |       |                   |       |                          |       |
| 0424.XX  | SUPPLY POWER TO IRRIGATION CONTROLLER AND RP. COMPL.                                  | LS  |               |       | 1           |       |                      |       |                   |       |                          |       |
| 1005.XX  | GOLDENRAIN TREE 2 1/2" Caliper  | EA  |               |       | 8           |       |                      |       |                   |       |                          |       |
| 1005.XX  | FORESTIERA NEOMEXICANA (8-10' HT.)  | EA  |               |       | 6           |       |                      |       |                   |       |                          |       |
| 1005.XX  | NATIVE COTTONWOOD (3" CAL.)   | EA  |               |       | 3           |       |                      |       |                   |       |                          |       |
| 1005.XX  | 5 GALLON SHRUB  | EA  |               |       | 1185        |       |                      |       |                   |       |                          |       |
| 1005.XX  | 15 GALLON SHRUB (DECIDUOUS)   | EA  |               |       | 30          |       |                      |       |                   |       |                          |       |
| 1005.XX  | 15 GALLON SHRUB (EVERGREEN)   | EA  |               |       | 28          |       |                      |       |                   |       |                          |       |
| 1005.XX  | 1 GALLON SHRUB/PERENNIAL  | EA  |               |       | 1340        |       |                      |       |                   |       |                          |       |
| 1005.XX  | 20 GALLON SHRUB   | EA  |               |       | 11          |       |                      |       |                   |       |                          |       |
| 1005.XX  | 3'-4" SHREDDED BARK MULCH   | SF  |               |       | 1139        |       |                      |       |                   |       |                          |       |
| 1010.XX  | IRRIGATION SYSTEM (COMPL. inc. service, meter boxes, meters, UEC, and backflow prev.) | LS  |               |       | 1           |       |                      |       |                   |       |                          |       |
| 1016.XX  | BOLLARDS-REMOVEABLE   | EA  | 6             |       |             |       |                      |       |                   |       |                          |       |

SUMMARY OF QUANTITIES

MIDDLE RIO GRANDE CONSERVANCY DISTRICT

ANY WORK TO BE PERFORMED WITHIN THE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) RIGHT-OF-WAY SHALL BE CLOSELY COORDINATED WITH THE M.R.G.C.D. ENGINEERING DEPARTMENT AND APPROPRIATE FIELD OFFICE. PHONE: (505) 247-0234.

NO WORK IS TO BE DONE ON FACILITIES AND STRUCTURES BELONGING TO, OR OPERATED BY, THE M.R.G.C.D. BETWEEN MARCH 1 AND OCTOBER 31, INCLUSIVE. HOWEVER, WORK MAY BE PERMITTED BY THE M.R.G.C.D. IF IT CAN BE SHOWN THAT THE WORK WILL NOT INTERFERE WITH OPERATIONS OF THE M.R.G.C.D. FACILITY. ALL WORK TO BE DONE WITHIN THE M.R.G.C.D. FACILITIES MUST BE APPROVED BY THE M.R.G.C.D. ENGINEER PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL NOT STORE EQUIPMENT, NEW MATERIALS OR DEBRIS WITHIN THE DISTRICT RIGHT-OF-WAY WHICH MAY INTERFERE WITH OPERATIONS AND MAINTENANCE OF THE M.R.G.C.D. FACILITY.

THE CONTRACTOR SHALL NOT SERVICE VEHICLES OR EQUIPMENT WITHIN THE M.R.G.C.D. RIGHT-OF-WAY.

SEEDING OF DISTURBED AREAS WITHIN M.R.G.C.D. RIGHT-OF-WAYS IS REQUIRED PER THE M.R.G.C.D. SEEDING SPECIFICATION.

THE CONTRACTOR MUST MAINTAIN A MINIMUM COVER OF 3' OVER ALL CULVERT CROSSINGS USED FOR ACCESS TO THE PROJECT SITE.

THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND OR REPLACEMENT OF ANY STRUCTURES REMOVED AND OR DAMAGED DUE TO THE CONTRACTOR'S ACTIVITIES WITHIN THE DISTRICT'S RIGHT-OF-WAY. SHOULD ANY TURNOUTS, CULVERT PIPES AND OR STRUCTURES REQUIRE REPLACEMENT DUE TO LEAKAGE AND OR DAMAGE BY THE CONTRACTOR, NEW TURNOUTS AND NEW CULVERT PIPES AND OR NEW STRUCTURES SHALL REPLACE THE DAMAGED ITEM. REPAIRS OR REPLACEMENTS WITHIN THE DISTRICT'S RIGHT-OF-WAY MUST COMPLY WITH THE DISTRICT'S SPECIFICATIONS.

ALL DAMAGED CULVERT CROSSINGS AND CULVERT CROSSINGS REMOVED AND OR DISTURBED MUST BE RESTORED AND OR REPLACED TO THE SATISFACTION OF THE M.R.G.C.D. AND COMPLY WITH M.R.G.C.D. SPECIFICATIONS.

ALL SALVAGEABLE CULVERTS, IRRIGATION GATES, ETC. MUST BE RETURNED TO THE M.R.G.C.D.

THE CONTRACTOR IS RESPONSIBLE FOR EXECUTING A "SPECIAL USE LICENSE AGREEMENT" WITH THE M.R.G.C.D. PRIOR TO CONSTRUCTION.

FOR INFORMATION ONLY

**sites**  
SOUTHWEST  
5150 A SAN FRANCISCO NE  
ALBUQUERQUE, NM 87109  
PHONE: 505-822-8200  
FAX: 505-822-8282  
E-MAIL: mail@sites-sw.com  
www.sites-sw.com  
PLANNING  
LANDSCAPE ARCHITECTURE  
MARKET ANALYSIS

|  |  |
|--|--|
| <b>CITY OF ALBUQUERQUE</b><br>PARKS AND RECREATION DEPARTMENT                                    |  |
| <b>I-40 &amp; RIO GRANDE BOULEVARD</b><br>LANDSCAPE IMPROVEMENTS<br>GENERAL NOTES AND QUANTITIES |  |
| Design Review Committee<br>APPROVED<br>JAN 14 2003<br>DESIGN REVIEW COMMITTEE                    | APPROVED<br>JAN 14 2003<br>CITY ENGINEER |
| City Project No.<br>6370.91  | Zone Map No.<br>H-12,13,14               |
| Sheet<br>2   | Of<br>7                                  |

DESIGNED BY  
DRAWN BY  
CHECKED BY

|                        |           |
|------------------------|-----------|
| F.H.W.A. REGION NO. 8  | SHEET NO. |
| NEW MEXICO PROJECT NO. |           |
| TPE-040-3(112)157      | 2         |

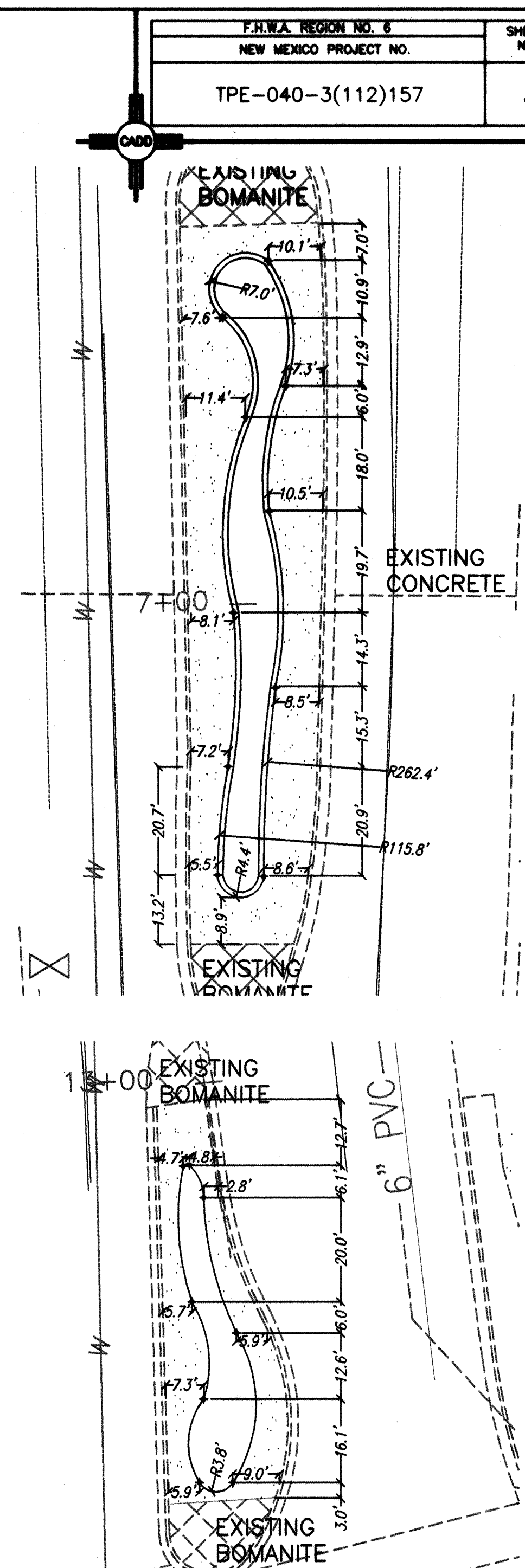
|                            |            |           |        |               |               |               |      |      |      |
|----------------------------|------------|-----------|--------|---------------|---------------|---------------|------|------|------|
| AS-BUILT INFORMATION       | CONTRACTOR | DATE      | DATE   | DATE          | DATE          | DATE          | DATE | DATE | DATE |
| BENCH MARKS                | CONTRACTOR | DATE      | DATE   | DATE          | DATE          | DATE          | DATE | DATE | DATE |
| SURVEY INFORMATION         | NO.        | BY        | DATE   |               |               |               |      |      |      |
| LANDSCAPE ARCHITECT'S SEAL | REMARKS    | REVISIONS | DESIGN | DATE: 1/13/03 | DATE: 1/13/03 | DATE: 1/13/03 |      |      |      |



EXISTING WALL STRUCTURES CONTAIN WIRE MESH STRUCTURAL ELEMENTS BURIED APPROX. 18"-24" BELOW GRADE. ALL EXCAVATION TO BE PERFORMED BY HAND. MESH STRUCTURE NOT TO BE DISTURBED IN ANY FASHION.

ALL WORK TO BE PERFORMED WITHIN THE RIGHT OF WAY, OR LIMITS OF  
WORK AS SHOWN ON THE PLANS.

CONTRACTOR SHALL CLEAR AND GRUB ALL PLANTING AREAS, REMOVE ALL WEEDS AND DEBRIS.



TREES TO BE PLANTED MIN. 10' FROM SAS IN MEDIAN

3"-4" SHREDDED BARK MULCH  
3" DEPTH IN PLANTER

EXISTING CONCRETE

RY 3

DWG #31



INSTALL MEDIAN ROADWAY WATERPROOFING MEMBRANE AS PER C.O.A STD DWG #2930



EXTEND CRUSHER FINES TO DRIVE PAD EDGE, APPROX. THIS LOCATION

VDW 107

16

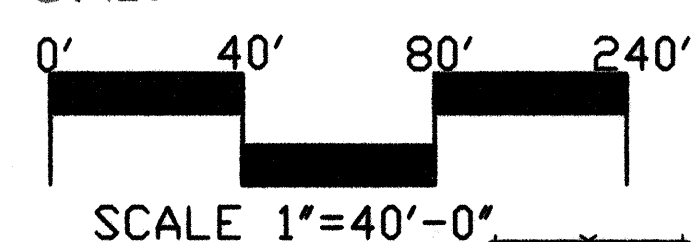
|     | Botanical Name                              | Common Name            | Qty             | Size/Notes       | Mature Size |
|-----|---|------------------------|-----------------|------------------|-------------|
|     | Shrubs/Ornamental Grasses--                 | Install as per C.O.A.  | Std. Dwg # 2718 |                  |             |
| DB  | Cytisus purgens                             | DWARF GOLD HARDY BROOM | 43              | 5 gal. 3' o.c.   | 3' x 3'     |
| RY  | Hesperaloe parviflora                       | RED YUCCA              | 13              | 5 gal. 5' o.c.   | 5' x 5'     |
| TB  | Ericameria laricifolia                      | TURPENTINE BUSH        | 422             | 5 gal. 2.5' o.c. | 3' x 3'     |
| RS  | Perovskia atriplicifolia                    | RUSSIAN SAGE           | 138             | 5 gal. 4' o.c.   | 3' x 4'     |
| FB  | Chamaebatiara millefolium                   | FERNBUSH               | 44              | 5 gal. 5' o.c.   | 5' x 5'     |
| BMS | Caryopteris x clandonensis<br>"Dark Knight" | BLUE MIST SPIREA       | 17              | 5 gal. 4' o.c.   | 3' x 4'     |
| WR  | Rosa woodsi                                 | WOOD'S ROSE            | 50              | 5 gal. 5' o.c.   | 5' x 5'     |
| AB  | Cytisus x praecox                           | "ALLGOLD" BROOM        | 85              | 5 gal. 4' o.c.   | 3' x 3'     |

|   |  |   |  |
|---|--|---|--|
|  | <p>Seeded Cobble Swale See Detail 1/5</p> <p>4" Depth, 2"-4" Santa Ana Tan Cobble</p> <p>Penstemon palmeri, Palmer Penstemon and</p> <p>Petalostemum purpureum, Purple Prairie Clover</p> <p>Mix @ 1 #/1000 SF</p> |  | <p>Seeded Cobble Swale See Detail 1/5</p> <p>4" Depth, 2"-4" Santa Ana Tan Cobble</p> <p>Penstemon ambigua, Bush Penstemon and</p> <p>Boileya multiradiata, Desert Marigold</p> <p>Mix @ 1 #/1000 SF</p> |
|---|--|---|--|

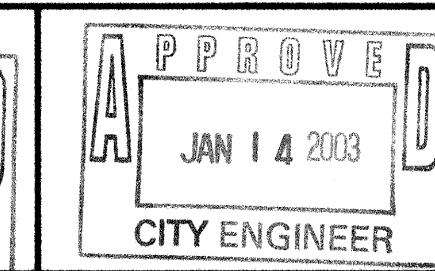
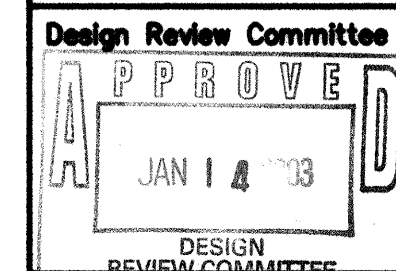
|   | Botanical Name  | Common Name                | Qty   | Size/Notes      | Mature Size |
|---|---|----------------------------|-------|-----------------|-------------|
|  | Ornamental Grasses and Perennials--                             | Install as per C.O.A. Std. | Dwg # | 2718            |             |
| HB  | Zauschneria californica   | HUMMINGBIRD BUSH           | 219   | 1 gal. 24" o.c. | 2.5' x 2.5' |
| CS  | Salvia greggii "Furman's Red"                                   | CHERRY SAGE                | 237   | 1 gal. 24" o.c. | 2.5' x 2.5' |
| PP  | Penstemon pinifolius  | PINELEAF PENSTEMON         | 248   | 1 gal. 18" o.c. | 18"x18"     |
| MY  | Achillea filipendulina "Moonshine"                              | MOONSHINE YARROW           | 239   | 1 gal. 18" o.c. | 18"x18"     |
| AGM   | Muhlenberia linheimeri  | AUTUMN GLOW MUHLY          | 44    | 5 gal. 5' o.c.  | 4' x 5'     |
| MA  | Miscanthus sinensis "Morning Lights"                            | MAIDENGRASS                | 56    | 5 gal. 4' o.c.  | 4' x 5'     |
| IG  | Sorghastrum nutans  | INDIAN GRASS               | 82    | 1 gal. 3' o.c.  | 3' x 3'     |
| YDM   | Anemopsis californica   | YERBA DE MANZA             | 192   | 1 gal. 18" o.c. | 18"x18"     |
| VE  | Veronica oltensis   | THYME-LEAF SPEEDWELL       | 131   | 1 gal. 18" o.c. | 18"x18"     |
| GC  | Nepeta x faassenii  | GIANT CATMINT              | 63    | 5 gal. 3' o.c.  | 3' x 3'     |
|  | 3" Depth Navajo Rose Crusher Fines-- Install over Filter Fabric |                            |       |                 |             |

 3" Depth Navajo Rose Crusher Fines— Install over Filter Fabric

FOR INFORMATION ONLY SCALE 1"=20'-0"



**I-40 & RIO GRANDE BOULEVARD INTERCHANGE**  
**LANDSCAPE IMPROVEMENTS**  
**PLANTING PLAN**



City Project No. 6370.91

|              |       |    |
|--------------|-------|----|
| Zone Map No. | Sheet | Of |
| H-12,13,14   | 3     | 7  |

[illegible]





STRUCTURAL WIRE MESH IS PLACED APPROXIMATELY 18" TO 24" DEPTH BELOW GRADE IN ALL TERRACED PLANTING AREAS. MACHINE TRENCHING ON ALL TERRACES IS PROHIBITED. CONTRACTOR SHALL NOT DAMAGE EXISTING WIRE MESH. PVC LINES SHALL BE LAID IMMEDIATELY ABOVE THE WIRE MESH.

CONTRACTOR SHALL FIELD LOCATE AND VERIFY EXISTING SLEEVE LOCATIONS.  
CONTRACTOR SHALL REPLACE, IN KIND, ALL EXISTING STREET PAVEMENT, CURB AND  
GUTTER AND SIDEWALK, DISTURBED DUE TO INSTALLATION OF WATER METER AND  
SERVICE. REFERENCE C.O.A STD DWGS # 2301, WATERLINE CONNECTION, #2430,  
SIDEWALK, #2415, CURB AND GUTTER AND #2465, ARTERIAL/COLLECTOR STREET  
SECTION.

CONTRACTOR SHALL PROVIDE 120V POWER SUPPLY FOR HEAT TAPE AT RP BACKFLOW PREVENTERS AND IRRIGATION CONTROLLERS. PEDESTAL METER REQUIRED FOR EACH. COORDINATE ALL WORK WITH PNM.

### ALL WORK TO BE PERFORMED WITHIN THE RIGHT OF WAY

### *Irrigation Legend*

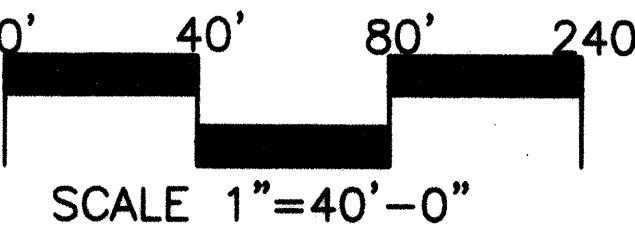
- IRRNET 16 STATION CONTROLLER, MIR 5000S MODEL IS-11A-TBW-RW-SS. INSTALL IN INTERSPEC PEDESTAL MOUNT ENCLOSURE.
- IRRNET 8 STATION CONTROLLER, SCORPIO MODEL IS-S2A-RW-SSJ WITH GAIN ANTENNA AND MOTOROLA HT 750 RADIO. INSTALL IN INTERSPEC PEDESTAL MOUNT ENCLOSURE.
- 1 1/2" WATER METER-COORDINATE INSTALLATION WITH C.O.A. CUSTOMER SERVICES (768-2840). ALL SERVICE, INSTALLATION AND UEC CHARGES ARE THE RESPONSIBILITY OF CONTRACTOR
- FEBCO 1" 825Y RP BACKFLOW ASSEMBLY. INSTALL IN HOT ROK HR4FE INSULATED ENCLOSURE WITH HEAT TAPE-DETAIL E/5
- SPEARS TRUE UNION SCH. 80 BALL VALVE-COA STD. DETAIL DWG #2703
- ARAD 1 1/2" FLOW METER/ MASTER VALVE-DETAIL E/5
- RAINBIRD 1" PEB CONTROL VALVE WITH FILTER-DETAIL D/5 SIZE PER PLAN
- RAINBIRD 1" PEB CONTROL VALVE-COA STD. DETAIL DWG #2703-SIZE PER PLAN
  - RAINBIRD 1401 BUBBLER .25 GPM. INSTALL (1) PER PLANT, TYPICAL. INSTALL (1) PER EVERY (2) PLANTS, THYME-LEAF SPEEDWELL ONLY-COA STD DETAIL DWG #2711
  - RAINBIRD 1404 BUBBLER 1.0 GPM  
INSTALL (1) PER TREE-COA STD DETAIL DWG #2710
  - RAINBIRD 1402 BUBBLER .50 GPM-COA STD DETAIL DWG 27
- RAINBIRD XBD-80 XERIBIRD 8 UNIT MULTI OUTLET EMITTER DEVICE. INSTALL WITH (2) XBT-10-6 XERIBUG EMITTERS PER PLANT, 1.0 GPH EACH. (1) DEVICE PER (4) SHRUBS OR PERENNIALS-DETAIL G/5
- RAINBIRD 8 SERIES MPR SPRAY HEADS-COA STD DETAIL DWG #2711-A (EXTEND SPRAY HEAD 3" ABOVE FINISH GRADE)
  - 8F 8'R 1.05 GPM @ 30 PSI
  - 8H 8'R .52 GPM @ 30 PSI
- RAINBIRD 16 SERIES MPR STREAM SPRAY-COA STD DETAIL DWG # 2711A (EXTEND SPRAY HEAD 3" ABOVE FINISH GRADE)  
16 H-SLA W/PCS-040  
4'R .40 GPM @ 50 PSI
- SCHEDULE 40 MAINLINE SIZE AS PER PLANS
- SCHEDULE 40 LATERALS SIZE AS PER PLANS
- EXISTING IRRIGATION SLEEVES


### VALVE LEGEND

|         |              |
|---------|--------------|
| V-5     | VALVE NUMBER |
| 2"      | VALVE SIZE   |
| 53.6    | GPM          |
| .5 DRIP | HEAD TYPE    |



FOR INFORMATION ONLY





# CITY OF ALBUQUERQUE

## PARKS AND RECREATION DEPARTMENT

### I-40 & RIO GRANDE BOULEVARD INTERCHANGE

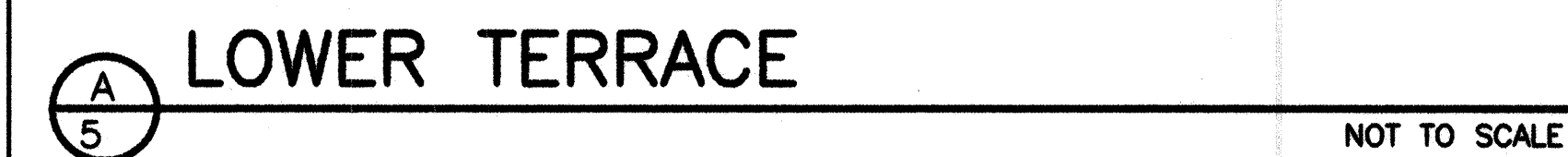
#### LANDSCAPE IMPROVEMENTS

#### IRRIGATION PLAN

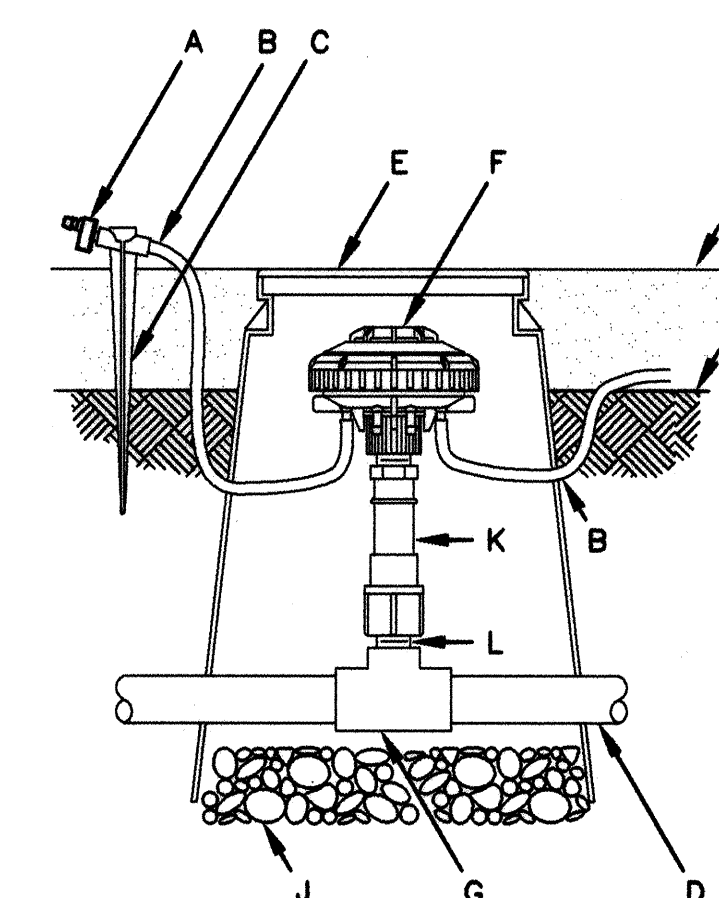
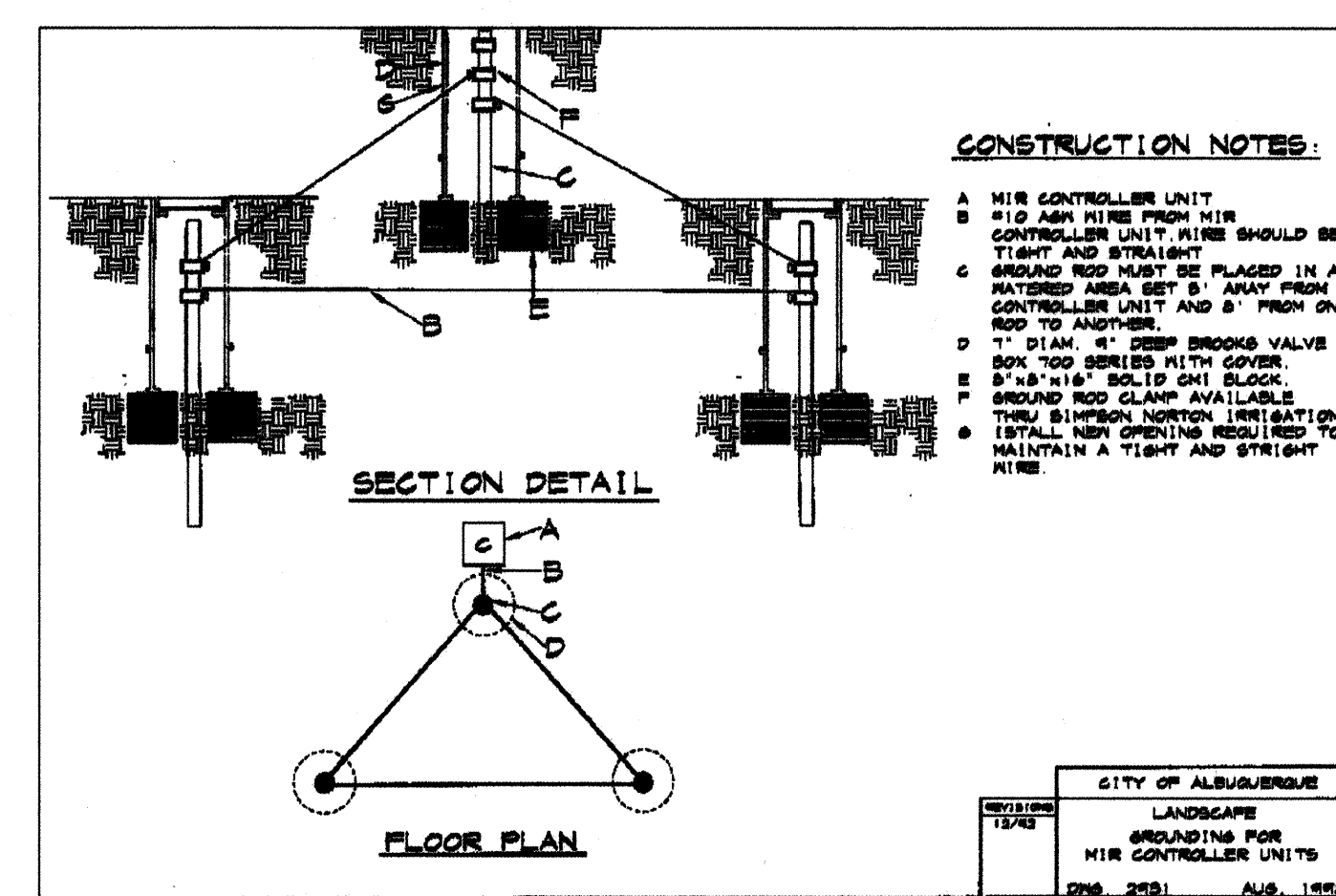
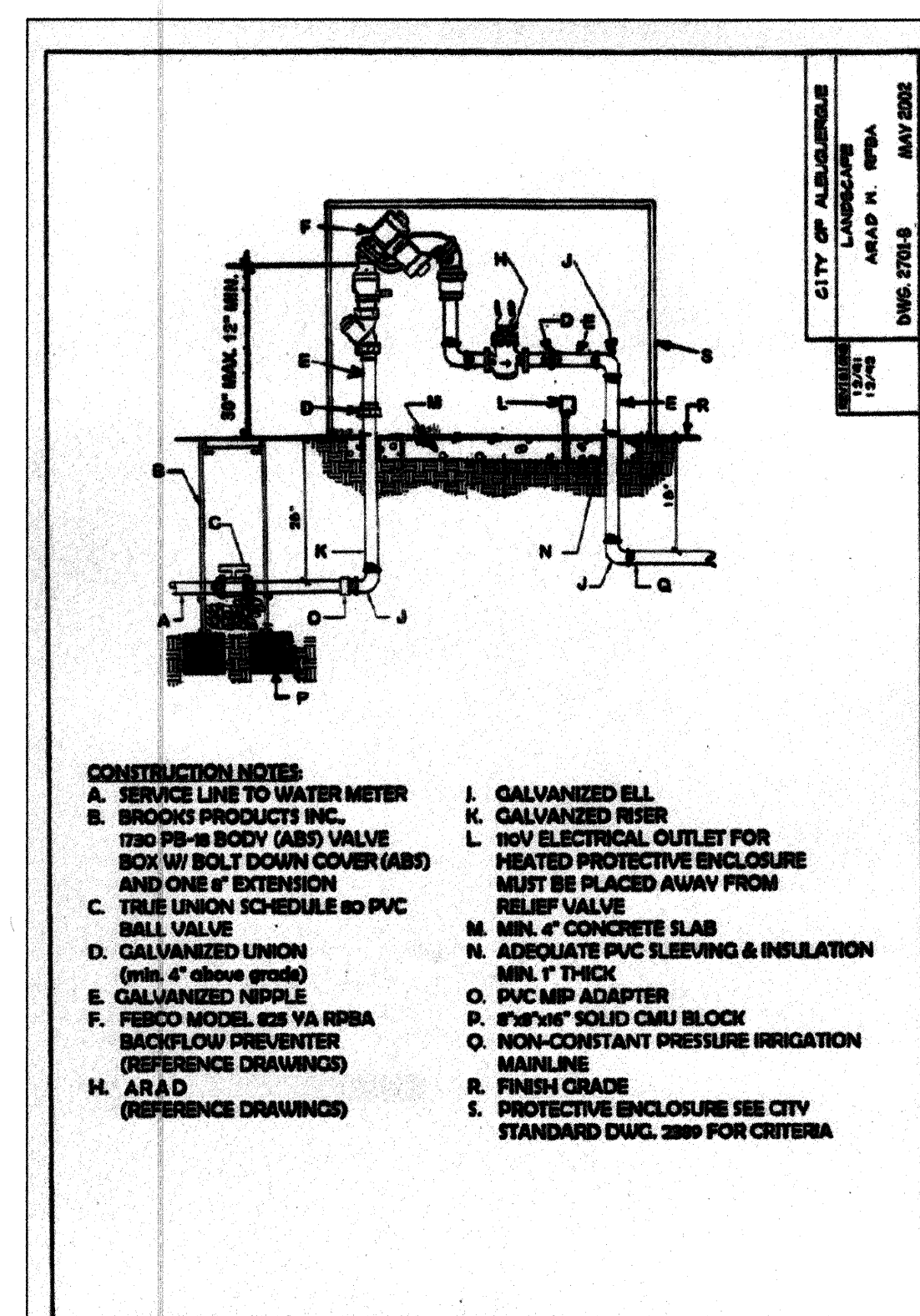
| Design Review Committee<br><div style="border: 1px solid black; padding: 5px; text-align: center;">                     APPROVED<br/>                     JAN 14 '13<br/>                     DESIGN REVIEW COMMITTEE                 </div> | <div style="border: 1px solid black; padding: 5px; text-align: center;">                     APPROVED<br/>                     JAN 14 2003<br/>                     CITY ENGINEER                 </div> | Date<br>Update | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Mo./Day/Yr.</th> <th>Mo./Day/Yr.</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table> | Mo./Day/Yr. | Mo./Day/Yr. |  |  |  |  |  |  |  |  |  |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Zone Map No.</th> <th>Sheet</th> <th>Of</th> </tr> <tr> <td style="text-align: center;">H-12,13,14</td> <td style="text-align: center;">4</td> <td style="text-align: center;">7</td> </tr> </table> | Zone Map No. | Sheet | Of | H-12,13,14 | 4 | 7 |
|--|--|----------------|--|-------------|-------------|--|--|--|--|--|--|--|--|--|--|--|--------------|-------|----|------------|---|---|
| Mo./Day/Yr.  | Mo./Day/Yr.  |                |  |             |             |  |  |  |  |  |  |  |  |  |  |  |              |       |    |            |   |   |
|  |  |                |  |             |             |  |  |  |  |  |  |  |  |  |  |  |              |       |    |            |   |   |
|  |  |                |  |             |             |  |  |  |  |  |  |  |  |  |  |  |              |       |    |            |   |   |
|  |  |                |  |             |             |  |  |  |  |  |  |  |  |  |  |  |              |       |    |            |   |   |
|  |  |                |  |             |             |  |  |  |  |  |  |  |  |  |  |  |              |       |    |            |   |   |
|  |  |                |  |             |             |  |  |  |  |  |  |  |  |  |  |  |              |       |    |            |   |   |
| Zone Map No.   | Sheet  | Of             |  |             |             |  |  |  |  |  |  |  |  |  |  |  |              |       |    |            |   |   |
| H-12,13,14   | 4  | 7              |  |             |             |  |  |  |  |  |  |  |  |  |  |  |              |       |    |            |   |   |

[illegible]

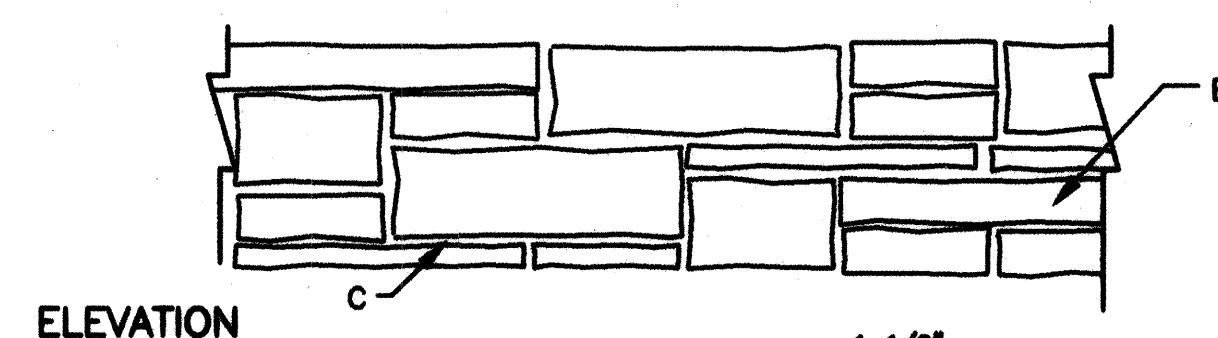




- 



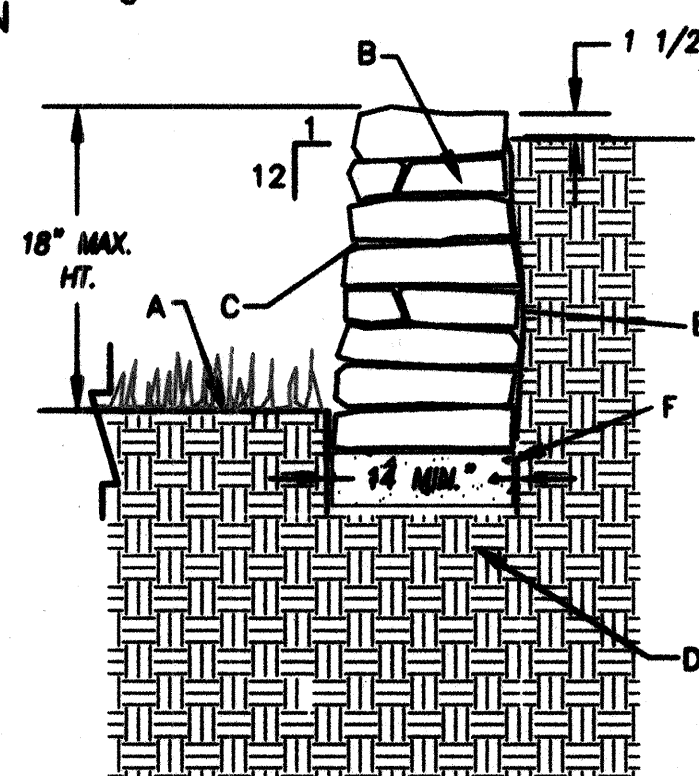
- A SINGLE-OUTLET EMITTER: RAIN BIRD XERI-BUG EMITTERS
- B 1/2-INCH VINYL DISTRIBUTION TUBING: RAIN BIRD DT-025
- C 1/4-INCH TUBING STAKE: RAIN BIRD TS-025
- D PVC LATERAL PIPE
- E SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB-6X
- F MULTI-OUTLET EMISSION DEVICE: RAIN BIRD XERI-BIRD-8 XBD-80
- G PVC SCH 40 TEE OR ELL
- H TOP OF MULCH
- I FINISH GRADE
- J 3-INCH MIN. DEPTH OF 3/4-INCH WASHED GRAVEL
- K RETROFIT PRESSURE REGULATOR: RAIN BIRD PRS-050
- L PVC SCH 80 CLOSE NIPPLE



- A FINISH GRADE
- B 4" X (2", 4", 7" MIX) X 18" ARIZONA CUT STONE, FRACTURED FACE TO STREETSIDE
- C 1/4" MAX. WIDTH PC MORTARED JOINT
- D COMPACTED SUBGRADE (95% MAX DENSITY)
- E FILTER FABRIC
- F FOOTING-- INSTALL 3/4" ANGULAR GRAVEL COMPACT TO 95% MAX. DENSITY.

NOTE:

1. WALL BATTER SHALL BE 1" PER FOOT.
2. MORTAR JOINTS SHALL BE RAKED 1/2" DEEP FROM FACE
3. CONTRACTOR SHALL SUBMIT SAMPLES OF STONE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. STONES USED FOR WALL CONSTRUCTION MAY VARY FROM SAMPLE SIZE NO MORE THAN + 20%

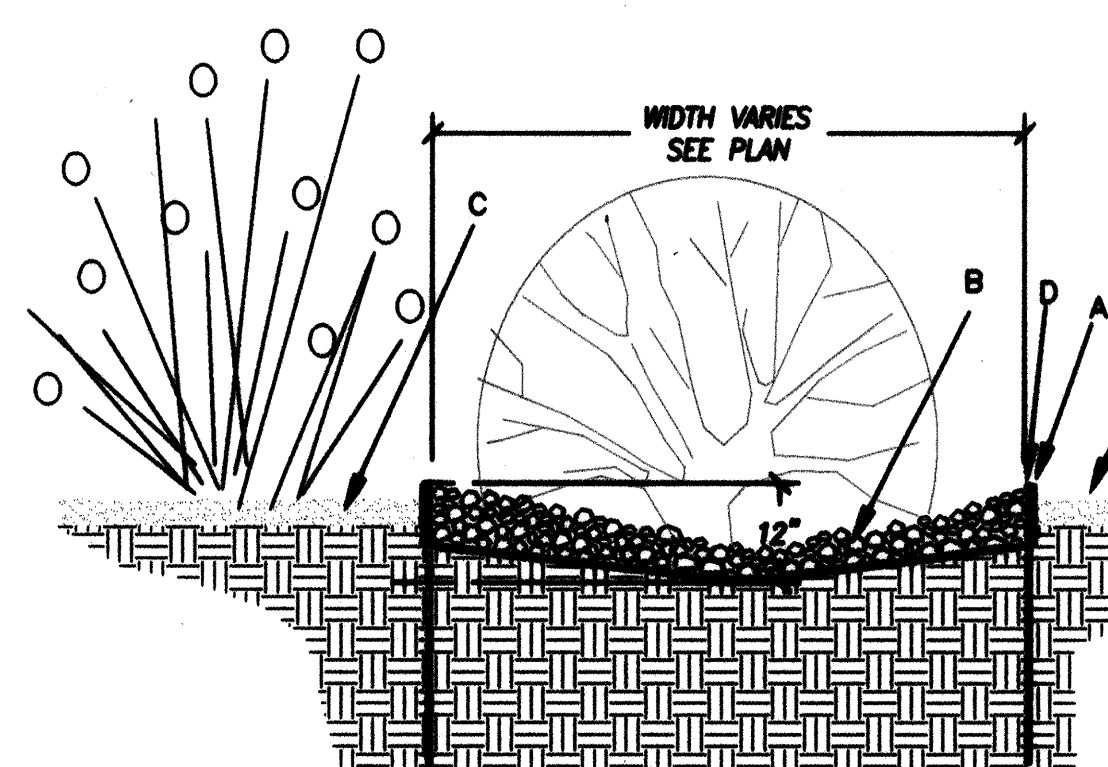


SECTION

STACKED ROCK PLANTER WALL

NOT TO SCALE

STONES USED FOR WALL CONSTRUCTION MAY VARY FROM SAMPLE SIZE NO MORE THAN  $\pm 20\%$



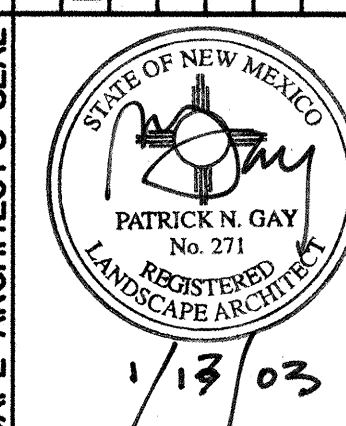
- A 3/16" x 6" STEEL EDGING RYERSON OR  
EQUAL--MUST EXTEND 1' ABOVE TOP OF  
CRUSHER FINES
- B SEEDED COBBLE 4"-6" DEPTH IN SWALE--  
SEE PLANS
- C PLANTING AREA
- D 18" STAKES AT 30' OC
- E 3" DEPTH CRUSHER FINES--SEE PLANS

5 COBBLED SWALE WITH STEEL EDGE DETAIL  
NOT TO SCALE

|                        |      |
|------------------------|------|
| AS-BUILT INFORMATION   |      |
| CONTRACTOR             | DATE |
| DESIGNED BY            | DATE |
| SUPERVISOR'S           | DATE |
| NO. OF PAGES BY        | DATE |
| FIELD                  | DATE |
| PERSON BY              | DATE |
| NO. OF PAGES BY        | DATE |
| MICRO-FILM INFORMATION |      |
| RECORDED BY            | DATE |
| NO.                    |      |

[illegible]

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

[illegible]

LANDSCAPE ARCHITECT'S SEAL

STATE OF NEW MEXICO  
PATRICK N. GAY  
No. 271  
REGISTERED  
LANDSCAPE ARCHITECT  
1/13/03

[illegible]

|     |  |       |  |    |  |
|-----|--|-------|--|----|--|
| No. |  | Sheet |  | Of |  |
| 314 |  | 5     |  | 7  |  |

FOR INFORMATION ONLY



5150 A SAN FRANCISCO NE  
ALBUQUERQUE, NM 87106  
PH 505-822-8200  
FAX 505-822-8282  
E-MAIL [info@sites-sw.com](mailto:info@sites-sw.com)  
WWW [www.sites-sw.com](http://www.sites-sw.com)

NOT TO SCALE

**P** LANNING  
**L** ANDSCAPE ARCHITECTURE  
**M** ARKET ANALYSIS



**CITY OF ALBUQUERQUE**  
**PARKS AND RECREATION DEPARTMENT**

# I-40 & RIO GRANDE BOULEVARD INTERCHANGE

|  |  |   |  |  |   |   |
|--|--|---|--|--|---|---|
| Design Review Committee<br>APPROVE<br>JAN 14 2003<br>DESIGN REVIEW COMMITTEE |  | City Engineer Approval<br>APPROVE<br>JAN 14 2003<br>CITY ENGINEER |  | Last Design Update<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____ | Mo./Day/Yr.<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____ | Mo./Day/Yr.<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____ |
| City Project No. 6370.91   |  | Zone Map No. H-1213.14  |  | Sheet 5  | Of _____  |   |

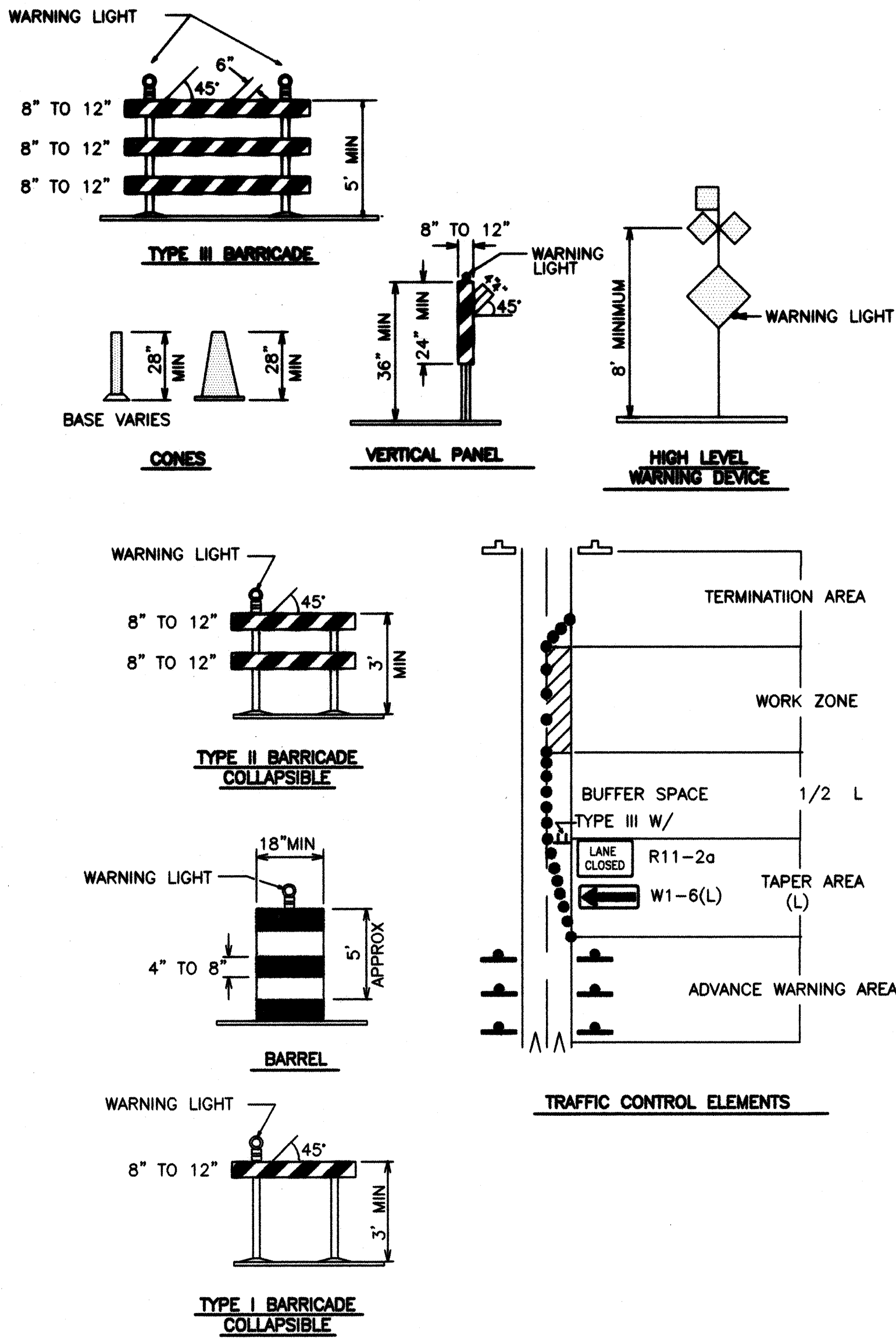




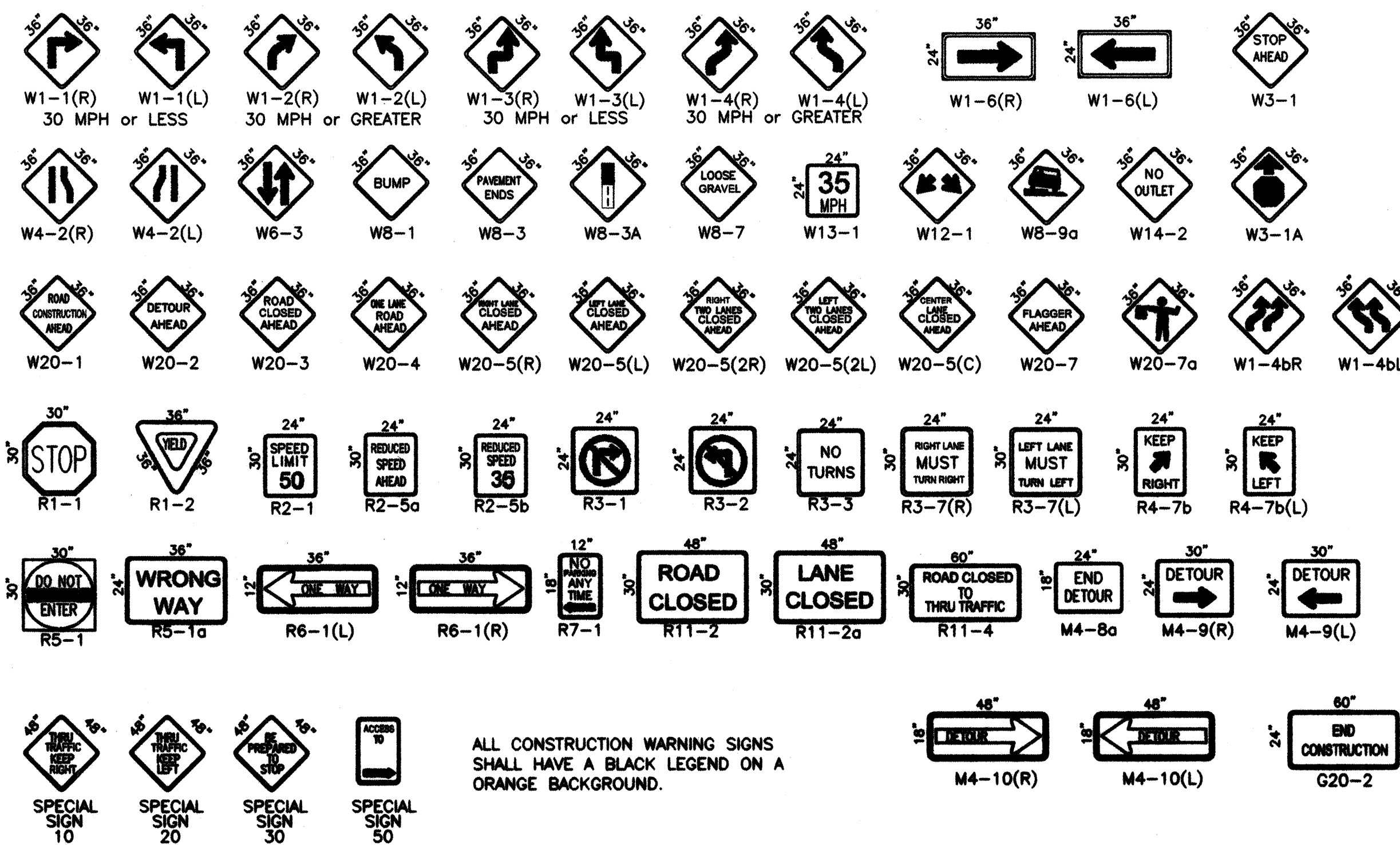


CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

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 ALBUQUERQUE'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 SET-UP 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. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
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 ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
19. 48 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:
  1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
  2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
  3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
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 ITS 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" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



SIGN FACE DETAILS



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

PROJECT NO. TPE-040-3(112)157  
SHEET NO. 7

LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE STREET LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENT

| SPEED LIMIT (MPH) | TAPER LENGTH(L) (FEET) |          |          | 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 | 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 TAPERS     | 100 FEET PER LANE |

TAPER LENGTH COMPUTATION

| SPEED LIMIT       |                       |
|-------------------|-----------------------|
| 40 MPH OR LESS    | $L = \frac{WS^2}{60}$ |
| 40 MPH OR GREATER | $L = W \times S$      |

L = TAPER LENGTH  
W = WIDTH OF OFFSET IN FEET  
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

FOR INFORMATION ONLY

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: TRAFFIC CONTROL  
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

DESIGN REVIEW COMMITTEE: COA STD  
CITY ENGINEER APPROVAL: COA STD

MO./DAY/YR. 6/26/91  
SHEET 7 OF 7