

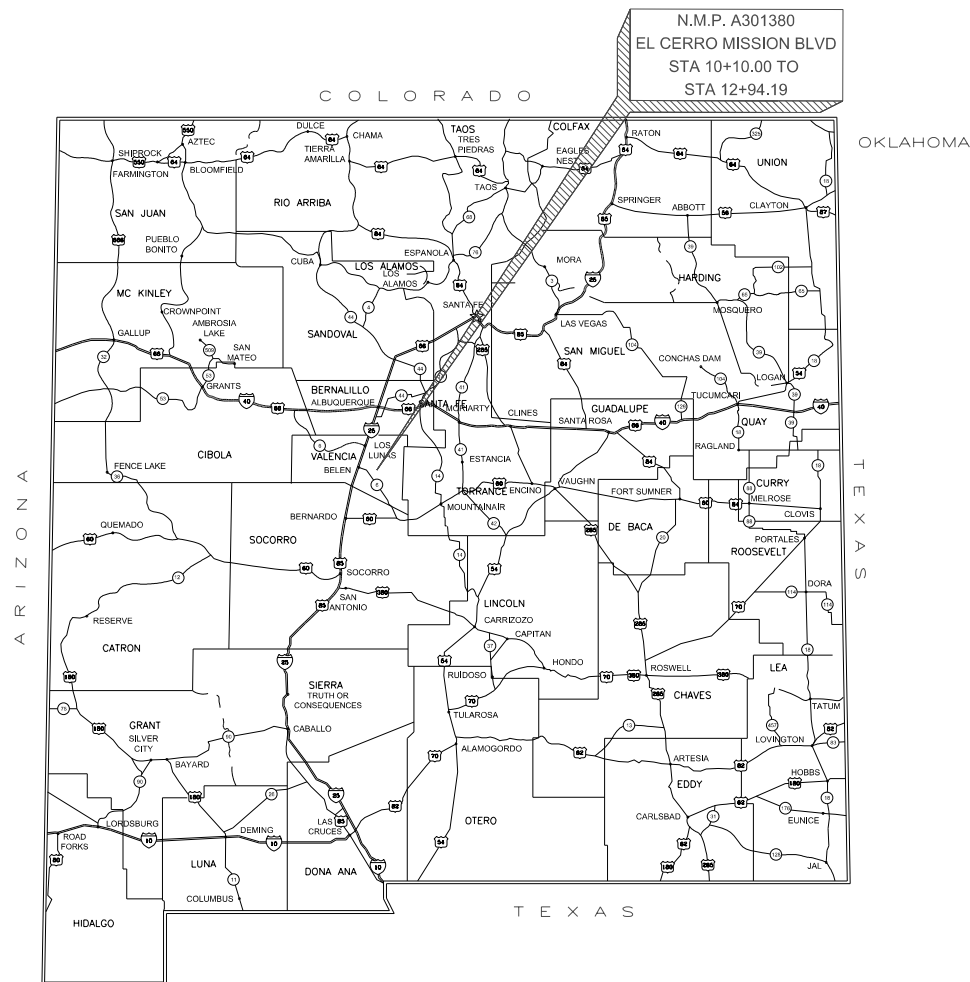
VALENCIA COUNTY  
444 LUNA AVENUE  
VALENCIA COUNTY, NEW MEXICO

FEBRUARY, 2018

Construction Plans for the

EL CERRO MISSION BLVD/NM 263  
INTERSECTION IMPROVEMENTS

NMDOT CN: A301380



VICINITY MAP

CIVIL ENGINEERS

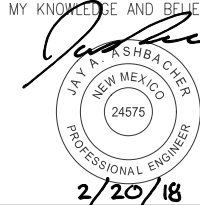
Molzen Corbin  
Kevin W. Eades, P.E.  
Jay Ashbacher, P.E.

COUNTY CONTACT

Public Works  
Lina Benavidez

CERTIFICATION:

I, JAY A. ASHBACHER, REGISTERED PROFESSIONAL ENGINEER NO. 24575 HEREBY CERTIFY THAT THE FOLLOWING PLANS AND DESIGNS WERE MADE UNDER MY SUPERVISION AND DIRECTION AND THAT SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



JAY A. ASHBACHER, N.M.P.E. NO. 24575

**MOLZENCORBIN**  
ENGINEERS | ARCHITECTS | PLANNERS

2701 Miles Road SE, Albuquerque, New Mexico 87106 505 242 5700 office 505 242 0673 fax

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR THE CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION, DISCUSSIONS WITH MUNICIPAL OFFICIALS, AND PREVIOUS CONSTRUCTION DOCUMENTS. IT IS POSSIBLE THAT THE EXACT LOCATION OF LINES AND UTILITY CONNECTION POINTS IN THE VICINITY OF REQUIRED WORK MAY BE DIFFERENT FROM THE LOCATION SHOWN ON THESE DRAWINGS. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHALL A CONFLICT EXIST THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS INSTRUMENT ARE OWNED BY AND THE PROPERTY OF MOLZEN-CORBIN & ASSOCIATES, AND WERE CREATED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. THESE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL NOT BE USED BY ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF MOLZEN-CORBIN & ASSOCIATES.

| DESCRIPTION | REV DATE | REV NO | NUMERIC SCALE CONFIRMATION   |
|-------------|----------|--------|--|
|             |          | △      | DRAWINGS ARE DEPICTED AT INTENDED NUMERIC SCALES IF THIS BAR EQUALS ONE INCH |
|             |          |        |  |
|             |          |        |  |
|             |          |        |  |

**PROJECT INTENT**

THIS PROJECT INCLUDES RECONSTRUCTION OF EL CERRO MISSION BLVD. FROM THE INTERSECTION WITH NM 263 (N ELCERRO LOOP) EAST FOR A DISTANCE OF APPROXIMATELY 0.054 MILES FOR THE PURPOSE OF IMPROVING THE SAFETY AND FUNCTIONALITY OF THE INTERSECTION. THIS PROJECT IS WITHIN VALENCIA COUNTY, NEW MEXICO.

**ROADWAY IMPROVEMENTS**

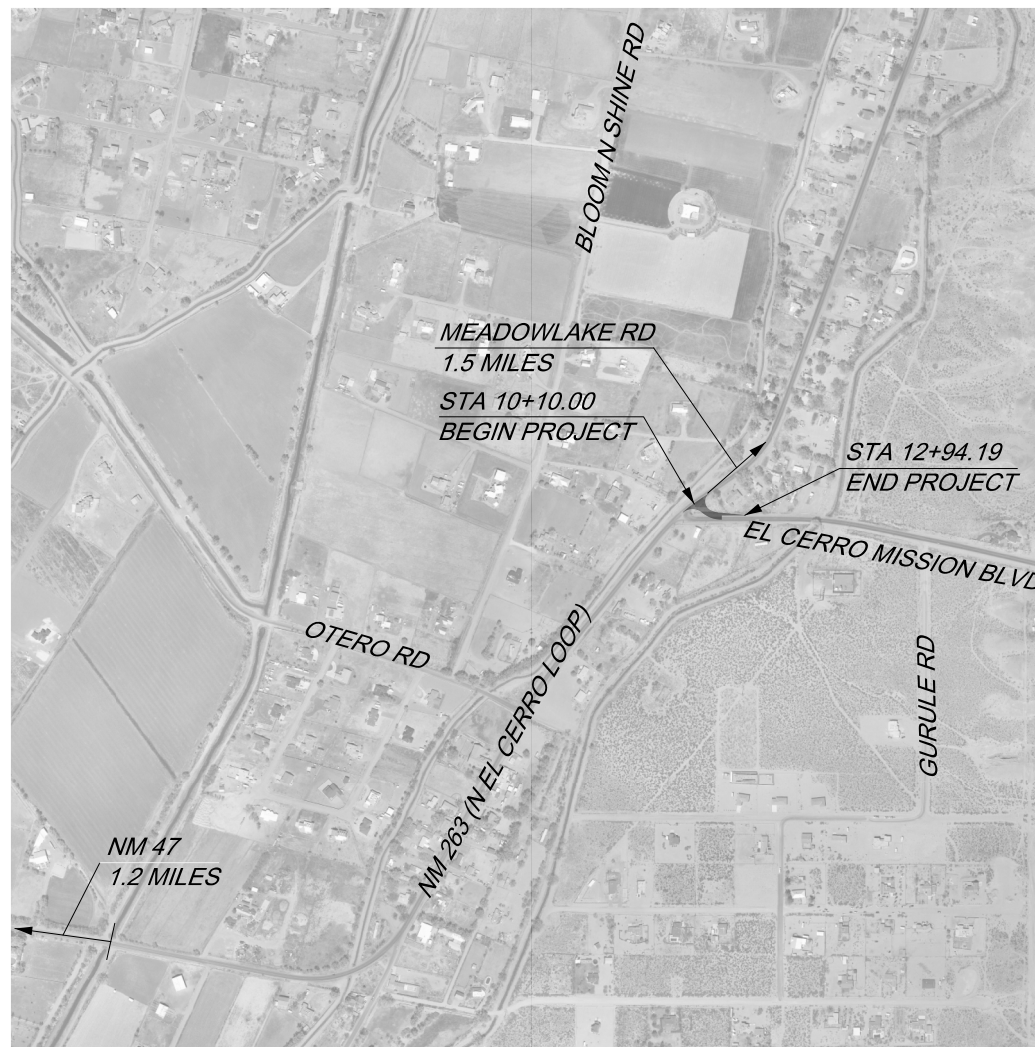
THIS PROJECT INCLUDES, BUT IS NOT LIMITED TOO:-

- 284.19-FEET (0.054 MILES) OF NEW FULL DEPTH ROADWAY PAVEMENT CONSTRUCTION, WHICH INCLUDES 4" DEPTH OF HMA SP-IV OVER 6" DEPTH OF BASE COURSE.
- REALIGN EL CERRO MISSION BLVD. TO INTERSECT NM 263 AT A MORE NORMAL SKEW, WHICH IMPROVES SAFETY AND ENHANCES SIGHT DISTANCE FOR THE INTERSECTION.
- ADDITIONALLY, PERMANENT SIGNING AND STRIPING OF THE NEW INTERSECTION ARE INCLUDED WITH THE PROJECT.

**UTILITY IMPROVEMENTS**

IT IS NOT ENVISIONED THAT THIS PROJECT WILL HAVE IMPACTS FOR EITHER PUBLIC OR PRIVATE UTILITIES, HOWEVER, PROVISIONS FOR THE PROTECTION OF UTILITIES ARE INCLUDED WITH THE DESIGN.

THIS PROJECT BEGINS AND ENDS IN TOWNSHIP 6 NORTH, RANGE 2 EAST, SECTION 1.

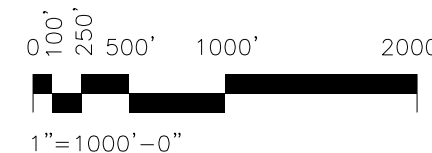


VICINITY MAP

THE 2014 EDITION OF NEW MEXICO STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT.

MUTCD 2009 EDITION

SHIPPING POINTS:  
LOS LUNAS, NEW MEXICO

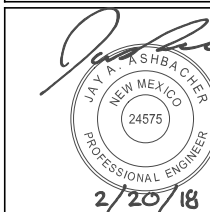


**MOLZENCORBIN**

2701 Miles Road SE  
Albuquerque, New Mexico 87106  
505 242 5700 office  
505 242 0673 fax  
MolzenCorbln.com

NOTICE OF EXTENDED PAYMENT PROVISION:  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION  
DRAWINGS ARE DEPICTED AT INTENDED NUMERIC SCALES  
IF THIS BAR EQUALS ONE INCH



| REV NO | REV DATE | DESCRIPTION                 |
|--------|----------|-----------------------------|
|        |          | PROJECT NUMBER: VAL171-11   |
|        |          | DESIGNED BY: B. BAILEY      |
|        |          | DRAWN BY: B. BAILEY         |
|        |          | CHECKED BY: K. EADES        |
|        |          | PROJ. ENG: J. ASHBACHER     |
|        |          | PROJECT DATE: FEBRUARY 2018 |

VICINITY MAP AND PROJECT INTENT

EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS  
VALENCIA COUNTY, NEW MEXICO

1-2

SHEET

| INDEX OF SHEETS       |   |
|-----------------------|---|
| PLAN SHEET NO.        | DESCRIPTION   |
| <b>1 SHEETS</b>       |   |
| 1-1                   | COVER SHEET   |
| 1-2                   | VICINITY MAP AND PROJECT INTENT   |
| 1-3                   | INDEX OF SHEETS   |
| 1-4                   | GENERAL NOTES, LEGEND AND UTILITY CONTACT INFORMATION                       |
| 1-5                   | SUMMARY OF QUANTITIES   |
| 1-6                   | ENVIRONMENTAL COMMITMENTS   |
| SUB-TOTAL = 6         |   |
| <b>2 SHEETS</b>       |   |
| 2-1                   | TYPICAL SECTIONS & MISCELLANEOUS DETAILS                                    |
| 2-2                   | SURFACING SCHEDULE  |
| 2-3                   | MISCELLANEOUS QUANTITY SCHEDULES  |
| SUB-TOTAL = 3         |   |
| <b>3 SHEETS</b>       |   |
| 3-0                   | HORIZONTAL ALIGNMENTS AND SURVEY CONTROL                                    |
| 3-1                   | PLAN & PROFILE SHEET  |
| SUB-TOTAL = 2         |   |
| <b>4 SHEETS</b>       |   |
| NOT USED              |   |
| <b>5 SHEETS</b>       |   |
| NOT USED              |   |
| <b>6 SHEETS</b>       |   |
| 6-1 TO 6-2            | TRAFFIC CONTROL GENERAL NOTES (NMDOT STD DWG 702-01-1/5 & 2/5)              |
| 6-3                   | TWO LANE ROADWAY WITH ONE-LANE CLOSURE, FLAGMAN, PILOT CAR (45 MPH)         |
| 6-4                   | SUGGESTED CONSTRUCTION SEQUENCING   |
| 6-5                   | CONSTRUCTION PHASING PLAN PHASES 1 & 2                                      |
| 6-6                   | CONSTRUCTION PHASING PLAN PHASE 3   |
| 6-7                   | SUGGESTED ADVANCE CONSTRUCTION SIGNING NM 263 SB & EL CERRO MISSION BLVD WB |
| 6-8                   | SUGGESTED ADVANCE CONSTRUCTION SIGNING NM 263 NB & EL CERRO MISSION BLVD EB |
| SUB-TOTAL = 8         |   |
| <b>7 SHEETS</b>       |   |
| 7-1                   | PERMANENT SIGNING AND STRIPING GENERAL NOTES                                |
| 7-2                   | PERMANENT SIGNING AND STRIPING SCHEDULES                                    |
| 7-3                   | PERMANENT SIGNING AND STRIPING SHEETS                                       |
| SUB-TOTAL = 3         |   |
| <b>8 SHEETS</b>       |   |
| NOT USED              |   |
| <b>9 SHEETS</b>       |   |
| NOT USED              |   |
| <b>10 SHEETS</b>      |   |
| NOT USED              |   |
| <b>11 SHEETS</b>      |   |
| NOT USED              |   |
| <b>12 SHEETS</b>      |   |
| SEE INDEX, THIS SHEET |   |
| SUB-TOTAL = 15        |   |
| <b>13 SHEETS</b>      |   |
| NOT USED              |   |

PROJECT TOTAL = 37

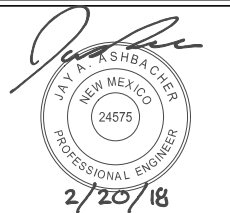
| INDEX OF STANDARD DRAWINGS |  |            |            | COMMENTS      |
|----------------------------|--|------------|------------|---------------|
| SHEET NO.                  | DESCRIPTION  | REV DATE   | SERIAL     |               |
| 12 SHEETS                  |  |            |            |               |
| 12-1                       | EXCAVATION, BORROW, AND EMBANKMENT   | 11/29/2004 | 203-01-1/1 |               |
| 12-2                       | TEMPORARY EROSION & SEDIMENT CONTROL MEASURES  | 11/29/2004 | 603-01-1/7 |               |
|                            | TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES CHECK DAMS   | 11/29/2004 | 603-01-2/7 | NOT USED      |
| 12-3                       | TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SILT FENCE   | 11/29/2004 | 603-01-3/7 |               |
|                            | TEMPORARY EROSION & SEDIMENT CONTROL MEASURES CULVERT & DROP INLET PROTECTION  | 11/29/2004 | 603-01-4/7 | NOT USED      |
|                            | T.E.S.C.M. SEDIMENT BASIN, SEDIMENT TRAP, & EARTH DIKE   | 11/29/2004 | 603-01-5/7 | NOT USED      |
|                            | TEMPORARY EROSION & SEDIMENT CONTROL MEASURES PIPE SLOPE DRAIN & SURFACE ROUGHENING  | 11/29/2004 | 603-01-6/7 | NOT USED      |
| 12-4                       | T.E.S.C.M. OFFSITE TRACKING PREVENTION AND DIVERSION DIKE  | 11/29/2004 | 603-01-7/7 |               |
| 12-5                       | SMALL SIGN SUPPORT INSTALLATION DETAILS  | 01/11/05   | 701-02-1/3 |               |
| 12-6                       | SMALL SIGN SUPPORT INSTALLATION DETAILS  | 02/03/05   | 701-02-2/3 |               |
|                            | MULTI-DIRECTIONAL SLIP BASE POST DETAILS   | 01/11/05   | 701-02-3/3 | NOT USED      |
| 12-7                       | ALUMINUM SIGN PANEL DETAILS  | 01/11/05   | 701-03-1/2 |               |
| 12-8                       | ALUMINUM PANEL SIGN DETAILS  | 01/11/05   | 701-03-2/2 |               |
| 12-9                       | MISCELLANEOUS SIGN FACE DETAILS  | 02/03/05   | 701-15-1/2 |               |
| 12-10                      | MISCELLANEOUS SIGN FACE DETAILS  | 02/21/05   | 701-15-2/2 |               |
|                            | TEMPORARY TRAFFIC CONTROL GENERAL NOTES  | 03/02/17   | 702-01-1/5 | SEE SHEET 6-1 |
|                            | TEMPORARY TRAFFIC CONTROL GENERAL NOTES  | 12/10/15   | 702-01-2/5 | SEE SHEET 6-2 |
| 12-11                      | CONSTRUCTION & MAINTENANCE SIGN FACE DETAILS   | 12/10/15   | 702-01-3/5 |               |
| 12-12                      | CHANNELIZATION DEVICES AND PORTABLE SIGN SUPPORTS FOR CONSTRUCTION, MAINTENANCE, UTILITY, AND INCIDENT MANAGEMENT OPERATIONS | 11/03/15   | 702-01-4/5 |               |
| 12-13                      | TEMPORARY TRAFFIC MARKINGS FOR CONSTRUCTION  | 11/03/15   | 702-01-5/5 |               |
|                            | TWO LANE ROADWAY WITH ONE-LANE CLOSURE, FLAGMAN, PILOT CAR (55 MPH)  | 11/06/15   | 702-11-1/2 | NOT USED      |
|                            | TWO LANE ROADWAY WITH ONE-LANE CLOSURE, FLAGMAN, PILOT CAR (45 MPH)  | 11/06/15   | 702-11-2/2 | SEE SHEET 6-3 |
| 12-14                      | PAVEMENT MARKINGS AND MESSAGES   | 04/17/08   | 704-03-1/2 |               |
| 12-15                      | PAVEMENT MARKINGS AND MESSAGES   | 04/17/08   | 704-03-2/2 |               |
| SUBTOTAL =                 |  | 15         |            |               |

**MOLZENCORBIN**

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 Albuquerque, New Mexico 87106  
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 MolzenCorbin.com

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|                 |               |             |
|-----------------|---------------|-------------|
| REV NO.         | REV DATE      | DESCRIPTION |
| PROJECT NUMBER: | VAL 171-11    |             |
| DESIGNED BY:    | B. BAILEY     |             |
| DRAWN BY:       | B. BAILEY     |             |
| CHECKED BY:     | K. EADES      |             |
| PROJ. ENG:      | J. ASHBACHER  |             |
| PROJECT DATE:   | FEBRUARY 2018 |             |

INDEX OF SHEETS

EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS  
 VALENCIA COUNTY, NEW MEXICO

**GENERAL NOTES**

- THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO ALL LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THIS PROJECT. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE, AT LEAST FORTY EIGHT (48) HOURS IN ADVANCE, WITH THE AFFECTED PROPERTY OWNERS AND WITH THE ENGINEER, FOR THE CONSTRUCTION OF DRIVEWAY AND SIDE ROAD IMPROVEMENTS.
- UTILITY COORDINATION:  
PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS.  
  
IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY HIS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.  
  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IN ADVANCE OF CONSTRUCTION OPERATIONS, IF OVERHEAD UTILITY LINES SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTIONS TO CONSTRUCTION OPERATIONS IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO SEPERATE PAYMENT WILL BE MADE.  
  
CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES, AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED EVERY 15' (MINIMUM). CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
- THE CONTRACTOR SHALL COORDINATE ANY WATER SHUT-OFF OPERATION WITH THE UTILITY MANAGER AND PROPERTY OWNER NOT LESS THAN THREE (3) WORKING DAYS PRIOR TO INITIATING ANY WORK AFFECTING EXISTING WATER UTILITIES. WATER SERVICE SHUT-OFF SHALL BE LIMITED TO FOUR (4) HOURS.
- THESE DRAWINGS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF "RECORD DRAWINGS" FOR THIS PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO (2) WEEKS, AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE ENGINEER THROUGHOUT THIS PROJECT AND WILL BE REVIEWED BY THE ENGINEER FOR ACCURACY AND COMPLETENESS AT A MINIMUM OF ONCE EVERY THIRTY (30) DAYS. THE FINAL "RECORD DRAWINGS" SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FINAL PAYMENT.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.

- THE CONTRACTOR SHALL PROPERLY HANDLE AND DISPOSE OF ALL ASPHALT PAVEMENT REMOVED ON THIS PROJECT AND NOT OTHERWISE USED IN RESURFACING, AS DIRECTED BY THE OWNER, BY HAULING TO AN APPROVED LANDFILL IN ACCORDANCE WITH THE REGULATIONS OF THE NEW MEXICO SOLID WASTE ACT. CONTRACTOR SHALL IDENTIFY DISPOSAL SITE AND REQUEST APPROVAL FROM THE COUNTY/ENGINEER PRIOR TO HAULING ACTIVITIES.
- LINEAR GRADING SHALL INCLUDE ALL GRADING ADJACENT TO THE ROADWAY AND AS REQUIRED TO TRANSITION AND TIE-IN EXISTING DRIVEWAYS OR TURNOUTS WITH PRE-CONSTRUCTION LIKE MATERIALS UNLESS OTHERWISE SHOWN IN PLANS.
- WARPIING OF SLOPES:  
THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT-OF-WAY OR CONSTRUCTION EASEMENT LIMITS. WARP SLOPES FROM TYPICAL TO DRAINAGE STRUCTURE SECTION AS SHOWN. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 208000 - LINEAR GRADING, AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
- PAVEMENT DROP-OFF GUIDELINES:  
THE CONTRACTOR SHALL TREAT ALL VERTICAL DROP-OFFS IN ACCORDANCE WITH THE DEPARTMENT'S PAVEMENT DROP-OFF POLICY FOR MAINTENANCE AND CONSTRUCTION WORK ZONES PER ADMIN. DIRECTIVE 241 DATED AUGUST 1, 2010. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 618000 - TRAFFIC CONTROL MANAGEMENT, AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
- CONSTRUCTION EQUIPMENT & MATERIAL STORAGE:  
THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS WITHIN 10 FT. FROM THE EDGE OF THE DRIVING LANE UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE PROJECT MANAGER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION, AND REMOVAL OF THE SHIELDING SHALL BE CONSIDERED INCIDENTAL TO ITEM 618000 - TRAFFIC CONTROL MANAGEMENT, AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
- CONTRACTOR SHALL USE NON VIBRATORY COMPACTION ROLLERS TO ELIMINATE ANY ISSUES WITH EXISTING UTILITIES.
- SAWCUTTING OF ASPHALT AND CONCRETE SHALL BE INCIDENTAL TO ITEM 418000 - MINOR PAVEMENT, AND NO SEPERATE MEASUREMENT OR PAYMENT WILL BE MADE.
- CONTRACTOR TO REMOVE AND REPLACE DAMAGED OR DETERIORATED EXISTING SIGN FACES AS NECESSARY TO MEET MUTCD COMPLIANCE, FROM BOP TO EOP. COORDINATE WITH PROJECT MANAGER/OWNER PRIOR TO INSTALLATION.

**LEGEND**

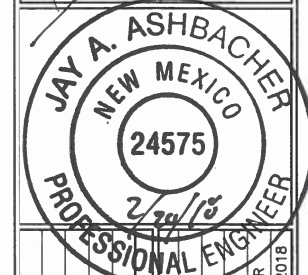
- ⊗ GAS POST
- ⊗<sub>CM</sub> GAS METER
- ⊗ GAS LINE MARK
- ⊗ WATER VALVE
- ⊗ FIRE HYDRANT
- ⊗ POWER POLE
- ⊗ ELECTRIC BOX
- ⊗ COMMUNICATION POST
- c COMMUNICATION LINE MARK
- ⊗ TELEPHONE PEDESTAL
- ⊗ FIBER OPTIC POST
- ⊗ COMMUNICATION MANHOLE
- ⊗ MAIL BOX
- ⊗ DECIDUOUS TREE
- ⊗ SIGN
- ⊗ GATE POST
- ⊗ TREE STUMP
- ⊗ POST
- ⊗ FENCE (MISCELLANEOUS TYPES)
- ⊗ OVERHEAD ELECTRIC
- ⊗ WALL
- ⊗ EXISTING EDGE OF PAVEMENT

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| REV NO | REV DATE | DESCRIPTION   |
|--------|----------|---------------|
| 1      |          | VAL 171-1     |
| 2      |          | B. BAILEY     |
| 3      |          | B. BAILEY     |
| 4      |          | K. EADES      |
| 5      |          | J. ASHBACHER  |
| 6      |          | FEBRUARY 2018 |

GENERAL NOTES, LEGEND AND  
UTILITY CONTACT INFORMATION

EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS

VALENCIA COUNTY, NEW MEXICO

**UTILITY CONTACT INFORMATION**

| UTILITY COMPANY | NAME                     | POSITION              | ADDRESS                                  | OFFICE PHONE | CELL PHONE   | EMAIL                            |
|-----------------|--------------------------|-----------------------|--|--------------|--------------|----------------------------------|
| PNM             | ARTHUR CHAVEZ            | SENIOR ENGINEER       | 19377 NORTH HIGHWAY 314, BELEN, NM 87002 | 505-241-3398 | 505-401-7891 | achavez1@pnm.com                 |
| NM GAS CO       | ANGELA SERRANO de RIVERA | ENGINEER              | 4625 EDITH BLVD., ALBUQUERQUE, NM 87101  | 505-664-2726 | 505-264-3602 | Angela.SerranoDeRivera@nmgco.com |
| CENTURY LINK    | ROBERT MATSON            | ENGINEER I            | 4301 BOGAN AVE NE, ALBUQUERQUE, NM 87109 | 505-767-7448 | 505-629-5445 | robert.matson1@centurylink.com   |
| COMCAST         | MIKE MORTUS              | PROJECT ENGINEER      | 4611 MONTBEL PL., ALBUQUERQUE, NM 87107  | 505-761-6252 | 505-269-4006 | mike_mortus@cable.comcast.com    |
| VALENCIA COUNTY | LINA BENAVIDEZ           | PUBLIC WORKS DIRECTOR | 1209 HIGHWAY 314, LOS LUNAS, NM 87002    | 505-866-2475 | 505-620-8662 | Lina.Benavidez@co.valencia.nm.us |

**SUMMARY OF QUANTITIES**

| Item Specifications |  |       | Roadway  |       | Construction Engineering |       | Permanent Signing |       | Construction Signing |       | Project Total |       |
|---------------------|--|-------|----------|-------|--------------------------|-------|-------------------|-------|----------------------|-------|---------------|-------|
|                     |  |       | Estimate | Final | Estimate                 | Final | Estimate          | Final | Estimate             | Final | Estimate      | Final |
| Item No             | Description                                    | Units | Estimate | Final | Estimate                 | Final | Estimate          | Final | Estimate             | Final | Estimate      | Final |
| 201000              | Clearing and Grubbing                          | LS    | LS       |       |                          |       |                   |       |                      |       | LS            |       |
| 203000              | Unclassified Excavation                        | CY    | 400      |       |                          |       |                   |       |                      |       | 400           |       |
| 207000              | Subgrade Preparation                           | SY    | 1,800    |       |                          |       |                   |       |                      |       | 1,800         |       |
| 208000              | Linear Grading                                 | Mile  | 0.06     |       |                          |       |                   |       |                      |       | 0.06          |       |
| 213000              | Obiliterating Old Road                         | Mile  | 0.20     |       |                          |       |                   |       |                      |       | 0.20          |       |
| 303000              | Base Course                                    | Ton   | 340      |       |                          |       |                   |       |                      |       | 340           |       |
| 407000              | Asphalt Material for Tack CoaT                 | Ton   | 0.4      |       |                          |       |                   |       |                      |       | 0.4           |       |
| 408100              | Prime Coat Material                            | Ton   | 2        |       |                          |       |                   |       |                      |       | 2             |       |
| 416000              | Minor Pavement                                 | SY    | 1,000    |       |                          |       |                   |       |                      |       | 1,000         |       |
| 601000              | Removal of Structures and Obstructions         | LS    | LS       |       |                          |       |                   |       |                      |       | LS            |       |
| 601110              | Removal of Surfacing                           | SY    | 250      |       |                          |       |                   |       |                      |       | 250           |       |
| 618000              | Traffic Control Management                     | LS    |          |       |                          |       |                   |       | LS                   |       | LS            |       |
| 621000              | Mobilization                                   | LS    | LS       |       |                          |       |                   |       |                      |       | LS            |       |
| 701000              | Panel Signs                                    | SF    |          |       |                          |       | 20                |       |                      |       | 20            |       |
| 701030              | Remove ad Reset Panel Sign                     | EA    |          |       |                          |       | 3                 |       |                      |       | 3             |       |
| 701100              | Steel/Base Post for Aluminum Panel Signs Signs | LF    |          |       |                          |       | 90                |       |                      |       | 90            |       |
| 702610              | Portable Changeable Message Signs              | EA    |          |       |                          |       |                   |       | 3                    |       | 3             |       |
| 702810              | Traffic Control Devices for Construction       | EA    |          |       |                          |       |                   |       | LS                   |       | LS            |       |
| 704000              | Retroreflectorized Painted Markings 4"         | LF    |          |       |                          |       | 2,700             |       |                      |       | 2,700         |       |
| 704224              | Retroreflectorized Plastic Pavement Stripe 24" | LF    |          |       |                          |       | 50                |       |                      |       | 50            |       |
| 704320              | Retroreflectorized Plastic Right Arrow         | EA    |          |       |                          |       | 3                 |       |                      |       | 3             |       |
| 704330              | Retroreflectorized Plastic Left Arrow          | EA    |          |       |                          |       | 3                 |       |                      |       | 3             |       |
| 704400              | Retroreflectorized Plastic Word (Only)         | EA    |          |       |                          |       | 4                 |       |                      |       | 4             |       |
| 801000              | Construction Staking by the Contractor         | LS    |          |       |                          | LS    |                   |       |                      |       | LS            |       |

**MOLZENCORBIN**

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Albuquerque, New Mexico 87106  
505 242 5700 office  
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MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION:  
THIS CONTRACT ALLOWS THE OWNER TO MAKE  
PAYMENT WITHIN 45 DAYS AFTER SUBMISSION  
OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION  
DRAWINGS ARE DEPICTED AT INTENDED  
NUMERIC SCALES  
IF THIS BAR EQUALS ONE INCH



| REV NO | REV DATE | DESCRIPTION                 |
|--------|----------|-----------------------------|
|        |          | PROJECT NUMBER: VAL171-11   |
|        |          | DESIGNED BY: B. BAILEY      |
|        |          | DRAWN BY: B. BAILEY         |
|        |          | CHECKED BY: K. EADES        |
|        |          | PROJ. ENG: J. ASHBACHER     |
|        |          | PROJECT DATE: FEBRUARY 2018 |

SUMMARY OF QUANTITIES

EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS  
VALENCIA COUNTY, NEW MEXICO

**MOLZENCORBIN**

2701 Mesas Road SE  
 Albuquerque, New Mexico 87106  
 505 242 5700 office  
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 MolzenCorbin.com

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**ENVIRONMENTAL COMMITMENTS**

THE CONTRACTOR SHALL REFER TO SECTION 107 OF THE STANDARD SPECIFICATIONS, MAKING SPECIAL NOTE OF SUB-SECTION 107.14: CONTRACTOR'S RESPONSIBILITY FOR ENVIRONMENTAL AND CULTURAL RESOURCE PROTECTION.

NO ADDITIONAL PROJECT SPECIFIC ENVIRONMENTAL REQUIREMENTS APPLY.

IN ADDITIONAL TO SECTION 107, THE FOLLOWING PROJECT-SPECIFIC ENVIRONMENTAL REQUIREMENTS APPLY.

  
 MANAGER, ENVIRONMENTAL DEVELOPMENT SECTION

| REV NO | REV DATE | DESCRIPTION |
|--------|----------|-------------|
|        |          |             |
|        |          |             |
|        |          |             |

|                 |               |
|-----------------|---------------|
| PROJECT NUMBER: | VAL171-11     |
| DESIGNED BY:    | B. BAILEY     |
| DRAWN BY:       | B. BAILEY     |
| CHECKED BY:     | K. KEADES     |
| PROJ ENG:       | J. ASHBACHER  |
| PROJECT DATE:   | FEBRUARY 2018 |

ENVIRONMENTAL COMMITMENTS

EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS

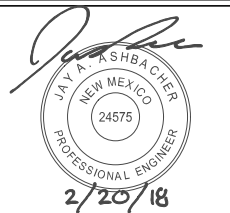
VALENCIA COUNTY, NEW MEXICO

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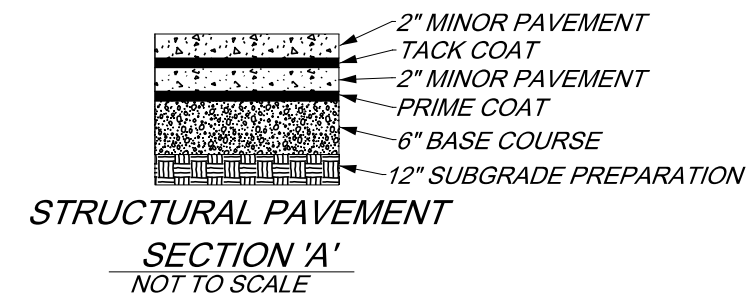
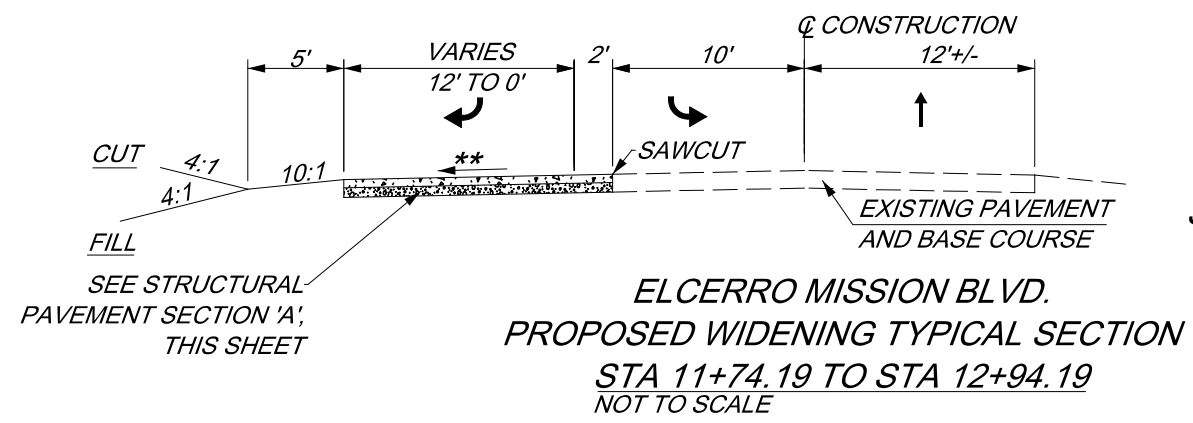
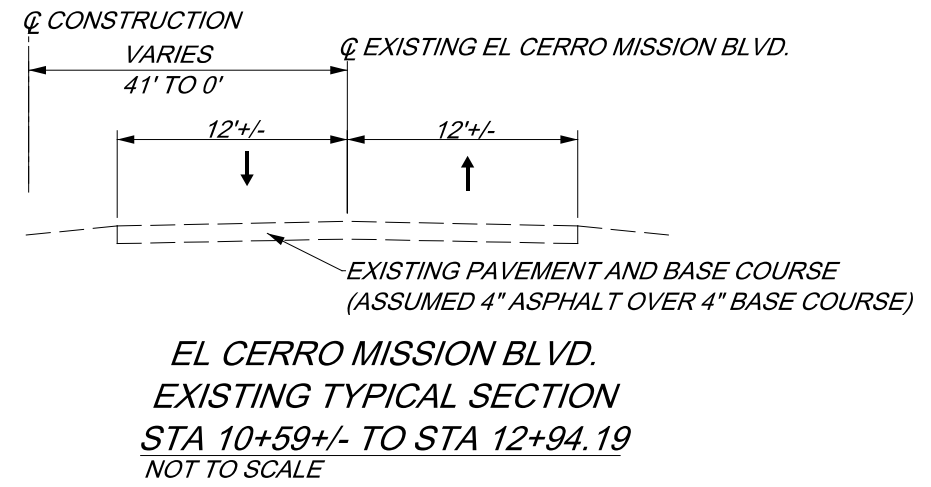
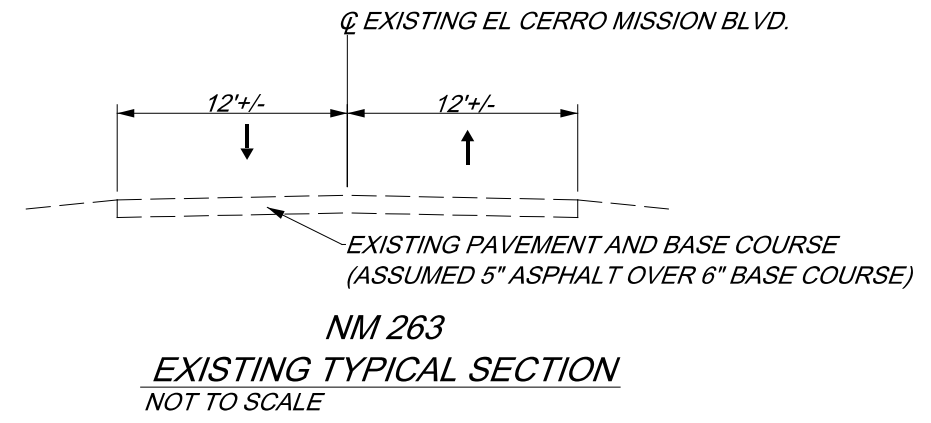
SHEET

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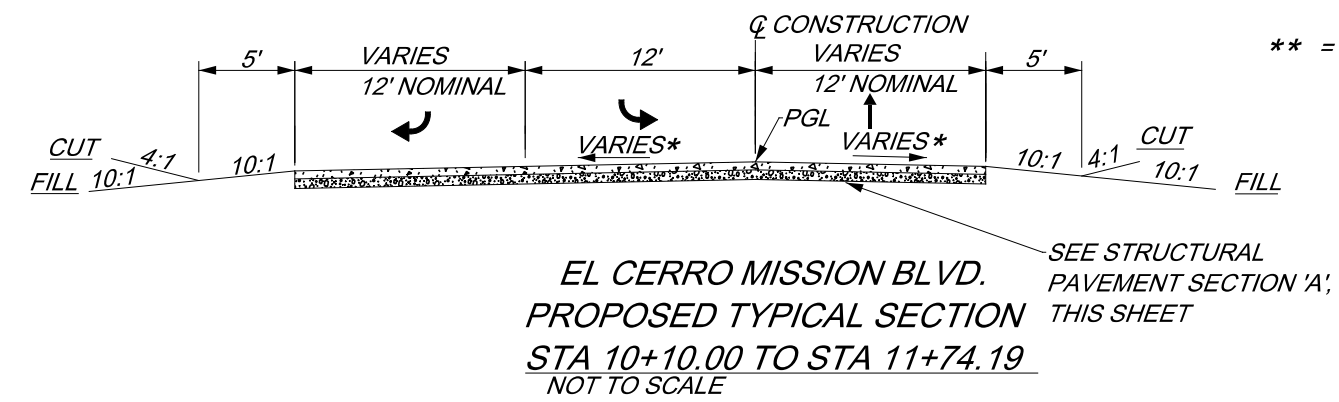
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|        |          | PROJ. ENG: J. ASHBACHER     |
|        |          | PROJECT DATE: FEBRUARY 2018 |



\* = VARIES - SEE SHEET 3-1 FOR PAVEMENT CROSS SLOPE INFORMATION.  
 \*\* = MATCH EXISTING CROSS SLOPE



TYPICAL SECTIONS AND  
 MISCELLANEOUS DETAILS

EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS  
 VALENCIA COUNTY, NEW MEXICO

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| ITEM 601110 - REMOVAL OF SURFACING                    |       |   |              |              |
|---|-------|---|--------------|--------------|
| TYPE  | LT/RT | EST. DEPTH<br>(INCHES)<br>(FOR INFO ONLY) | AREA<br>(SF) | AREA<br>S.Y. |
| BITUMINOUS  |       |   |              |              |
| EL CERRO MISSION BLVD                                 |       |   |              |              |
| FULL DEPTH RECONSTRUCTION                             |       |   |              |              |
|   |       | 5   |              |              |
| 10+77 TO 11+74.19                                     | LT/RT |   | 1,932        | 215          |
| 11+74.19 TO 12+94.19                                  | LT/RT |   | 230          | 26           |
| SUB-TOTAL   |       |   |              | 240          |
| PROJECT USE   |       |   |              | 250          |
| NOTE: OBLITERATING OLD ROAD INCIDENTAL TO ITEM 601110 |       |   |              |              |

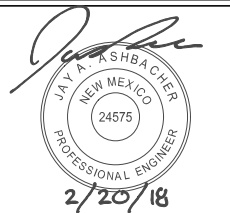
| ITEM 208000 - LINEAR GRADING (MILE) |    |          |        |       |
|-------------------------------------|----|----------|--------|-------|
| LOCATION                            |    |          |        |       |
| STA                                 | TO | STA      | LENGTH | MILE  |
| 10+12.00                            |    | 12+94.19 | 282.19 | 0.053 |
| SUB TOTAL                           |    |          |        | 0.053 |
| PROJECT USE                         |    |          |        | 0.06  |

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IF THIS BAR EQUALS ONE INCH



| CONSTRUCTION ENGINEERING AND LUMP SUM ITEMS |  |      |                   |
|---|--|------|-------------------|
| ITEM NUMBER                                 | DESCRIPTION                              | UNIT | TOTAL PROJECT USE |
| 201000                                      | CLEARING AND GRUBBING                    | L.S. | L.S.              |
| 601000                                      | REMOVAL OF STRUCTURES & OBSTRUCTIONS     | L.S. | L.S.              |
| 618000                                      | TRAFFIC CONTROL MANAGEMENT               | L.S. | L.S.              |
| 702810                                      | TRAFFIC CONTROL DEVICES FOR CONSTRUCTION | L.S. | L.S.              |
| 621000                                      | MOBILIZATION                             | L.S. | L.S.              |
| 801000                                      | CONSTRUCTION STAKING BY THE CONTRACTOR   | L.S. | L.S.              |

| SUMMARY<br>REMOVAL OF STRUCTURES AND OBSTRUCTIONS |                                   | 601000<br>REMOVAL OF STRUCTURES<br>AND OBSTRUCTIONS |       |
|---|-----------------------------------|---|-------|
| LOCATION  | DESCRIPTION                       | UNIT  | TOTAL |
| STA 10+40.2, RT TO STA 11+95.5, LT                | REMOVE AND DISPOSE EXISTING FENCE | LF  | 170   |
| STA 10+32, LT/RT                                  | REMOVE AND DISPOSE EXISTING POSTS | EA  | 3     |
| SEE SHEET 7-2 FOR LOCATIONS                       | EXISTING SIGNS                    | EA  | 3     |

| ITEM 213000 - OBLITERATING OLD ROAD |       |     |       |
|-------------------------------------|-------|-----|-------|
| LOCATION                            | LT/RT | LF  | MILES |
| BITUMINOUS                          |       |     |       |
| EL CERRO MISSION BLVD.              |       |     |       |
| STA 10+17 TO STA 11+19              | RT    | 102 | 0.02  |
| SUB-TOTAL                           |       |     | 0.02  |
| PROJECT USE                         |       |     | 0.02  |

| ITEM 702610 - PORTABLE CHANGEABLE MESSAGE SIGN |      |            |
|--|------|------------|
| LOCATION                                       | UNIT | UNIT TOTAL |
| AS DIRECTED BY THE PROJECT MANAGER             | EA   | 3          |
| PROJECT USE                                    |      | 3          |

| EARTHWORK SUMMARY - EL CERRO MISSION BLVD |                                   |                      |                   |
|---|-----------------------------------|----------------------|-------------------|
|   | UNCLASSIFIED EXCAVATION (CU. YD.) | EMBANKMENT (CU. YD.) |                   |
| FROM SECTIONS                             |                                   |                      |                   |
| EL CERRO MISSION BLVD                     | 365                               | 20                   |                   |
| PROJECT SUB-TOTALS                        | 365                               | 20                   |                   |
| EARTHWORK TOTALS                          |                                   |                      |                   |
|   |                                   |                      | ITEM 203000<br>CY |
| SUBTOTAL UNCLASSIFIED EXCAVATION          | 365 CU. YD.                       |                      |                   |
| SUBTOTAL FILL                             | 20 CU. YD.                        |                      |                   |
| TOTAL BORROW                              | -345 CU. YD.                      |                      |                   |
| PROJECT USE                               |                                   |                      | 400               |

| REV NO | REV DATE | DESCRIPTION                 |
|--------|----------|-----------------------------|
|        |          | PROJECT NUMBER: VAL171-11   |
|        |          | DESIGNED BY: B. BAILEY      |
|        |          | DRAWN BY: B. BAILEY         |
|        |          | CHECKED BY: K. EADES        |
|        |          | PROJ. ENG: J. ASHBACHER     |
|        |          | PROJECT DATE: FEBRUARY 2018 |

MISCELLANEOUS QUANTITY SCHEDULES

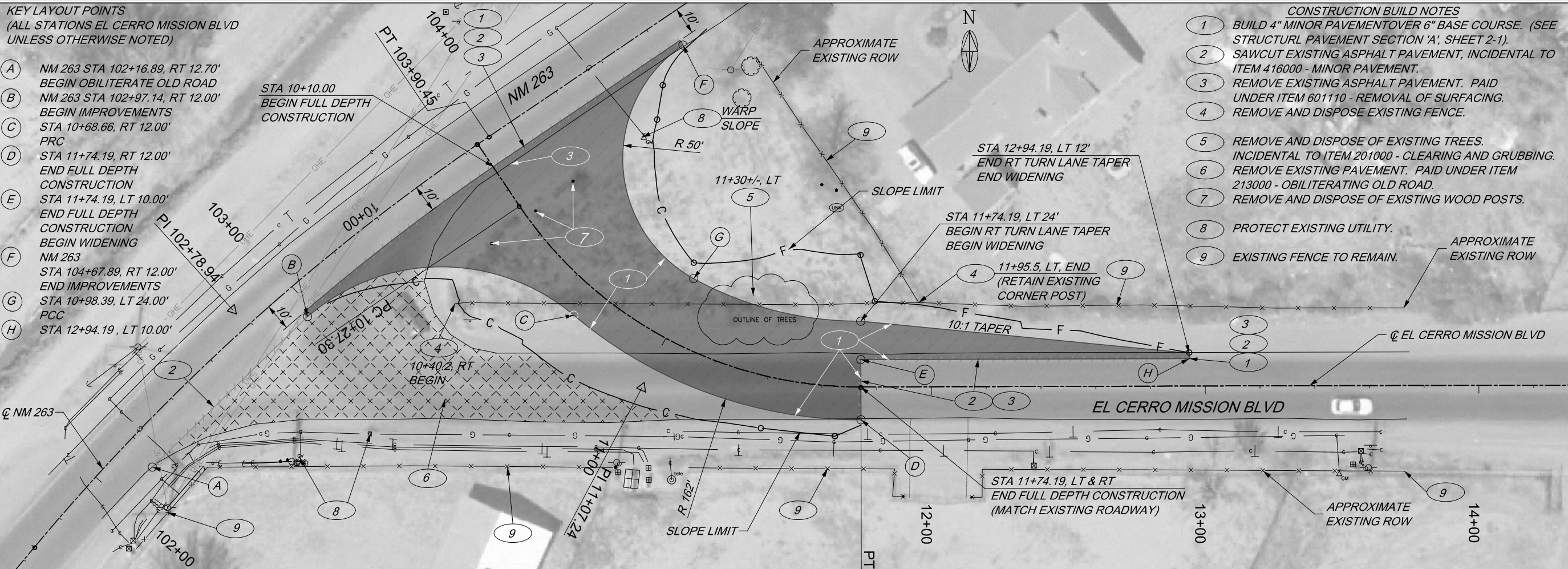
EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS  
VALENCIA COUNTY, NEW MEXICO

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**KEY LAYOUT POINTS**  
(ALL STATIONS EL CERRO MISSION BLVD  
UNLESS OTHERWISE NOTED)

- (A) NM 263 STA 102+16.89, RT 12.70'  
BEGIN OBLITERATE OLD ROAD
- (B) NM 263 STA 102+97.14, RT 12.00'  
BEGIN IMPROVEMENTS
- (C) STA 10+68.66, RT 12.00'  
PRC
- (D) STA 11+74.19, RT 12.00'  
END FULL DEPTH  
CONSTRUCTION
- (E) STA 11+74.19, LT 10.00'  
END FULL DEPTH  
CONSTRUCTION  
BEGIN WIDENING
- (F) NM 263  
STA 104+67.89, RT 12.00'  
END IMPROVEMENTS
- (G) STA 10+98.39, LT 24.00'  
PCC
- (H) STA 12+94.19, LT 10.00'



- CONSTRUCTION BUILD NOTES**
- (1) BUILD 4" MINOR PAVEMENT OVER 6" BASE COURSE. (SEE STRUCTURAL PAVEMENT SECTION 'A', SHEET 2-1).
  - (2) SAWCUT EXISTING ASPHALT PAVEMENT, INCIDENTAL TO ITEM 416000 - MINOR PAVEMENT.
  - (3) REMOVE EXISTING ASPHALT PAVEMENT. PAID UNDER ITEM 601110 - REMOVAL OF SURFACING.
  - (4) REMOVE AND DISPOSE EXISTING FENCE.
  - (5) REMOVE AND DISPOSE OF EXISTING TREES. INCIDENTAL TO ITEM 201000 - CLEARING AND GRUBBING.
  - (6) REMOVE EXISTING PAVEMENT. PAID UNDER ITEM 213000 - OBLITERATING OLD ROAD.
  - (7) REMOVE AND DISPOSE OF EXISTING WOOD POSTS.
  - (8) PROTECT EXISTING UTILITY.
  - (9) EXISTING FENCE TO REMAIN.

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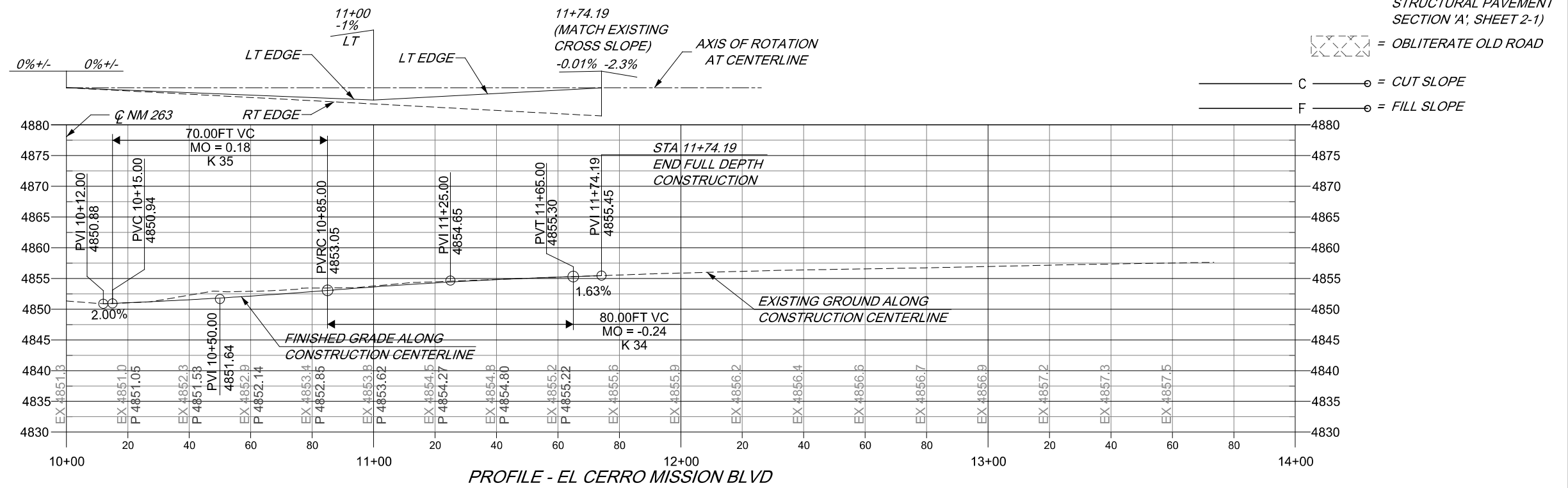
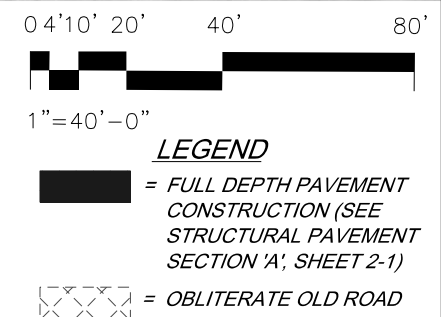
NUMERIC SCALE CONFIRMATION  
DRAWINGS ARE DEPICTED AT INTENDED NUMERIC SCALES  
IF THIS BAR EQUALS ONE INCH

JAY A. ASHBACHER  
NEW MEXICO  
24575  
PROFESSIONAL ENGINEER  
2/20/18

| REV NO | REV DATE | DESCRIPTION   |
|--------|----------|---------------|
| 1      |          | VAL 171-11    |
| 2      |          | B. BAILEY     |
| 3      |          | B. BAILEY     |
| 4      |          | K. EADES      |
| 5      |          | J. ASHBACHER  |
| 6      |          | FEBRUARY 2018 |

- GENERAL CONSTRUCTION NOTES**
- 1. SEE SHEET 3-0 FOR HORIZONTAL ALIGNMENT CURVE DATA AND SURVEY CONTROL INFORMATION.
  - 2. SEE 7 SHEETS FOR PERMANENT SIGNING & STRIPING.
  - 3. ALL ROADSIDE GRADING PAID UNDER ITEM 208000 - LINEAR GRADING.
  - 4. CONTRACTOR TO PREVENT ROADWAY & CONSTRUCTION RUNOFF FROM FLOWING ONTO PRIVATE PROPERTY.
  - 5. EXISTING ROW SHOWN IS APPROXIMATE, AND OBTAINED FROM VALENCIA COUNTY ASSESSOR GIS MAPPING AND EXISTING FENCE LINES.

**NOTE TO CONTRACTOR:**  
THESE PLANS DO NOT SHOW ALL EXISTING UTILITIES OR SERVICE CONNECTIONS, AND THOSE SHOWN ARE IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL UTILITY OWNERS AND CONDUCT NECESSARY FIELD INVESTIGATIONS TO DETERMINE THE LOCATION OF UTILITIES AND OTHER IMPROVEMENTS PRIOR TO ANY EXCAVATION.



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**PLAN & PROFILE**  
 EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS  
 VALENCIA COUNTY, NEW MEXICO  
 SHEET 3-1  
 COPYRIGHT



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**TRAFFIC CONTROL GENERAL NOTES (CONTINUED):**

17. **TEMPORARY CONCRETE WALL BARRIER (CWB):** When flaring the leading end of a Temporary Wall Barrier (CWB) within a construction work zone, the flare rate shall be done in accordance with the rates shown in the table below: (NMDOT Standard Drawing 606-20-5/5)

| Roadway Speed Limit       | Minimum Taper/ Flare Rate | Desirable Taper/ Flare Rate |
|---------------------------|---------------------------|-----------------------------|
| Less than 45 MPH          | 8:1                       | 18:1                        |
| Between 45 MPH and 55 MPH | 10:1                      | 24:1                        |
| Greater than 55 MPH       | 15:1                      | 30:1                        |

- a. When temporary wall barrier is placed in a construction work zone, a 5' clear area is required between the CWB and the work zone to accommodate barrier deflection. When a 5' clear area is not attainable, CWB shall be anchored to the pavement surface.
- b. Temporary CWB shall be provided with reflective barrier delineators as indicated in NMDOT standard drawing 606-21-1/1.

18. **CRASH ATTENUATORS:** The crash cushion attenuators shall be designed as per the District Traffic Engineer's recommendations. The District may elect to either utilize the pre-construction posted speed, or the 85% speed in the layout of the crash cushion attenuators within the work zone.

19. **DROP OFF POLICY:** 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 Department of Transportation 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 11foot driving lanes as shown in the detail below. (AD241)



- 20. **Lane Closures:** The Contractor/TCP firm shall not place a lane closure taper along a horizontal curve. The taper shall be placed in advance of the horizontal curve so that it is visible to all oncoming traffic. On crest vertical curves, the Contractor/TCP firm shall place lane closures in advance of, or at the beginning of the curve to enhance visibility of the lane closure to oncoming traffic.
- 21. **Sequential Arrow Display:** 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. The shoulder shall be closed in advance of the merging taper to direct vehicular traffic to remain within the traveled way. (MUTCD 6F.61)
- 22. **ADDITIONAL SIGNS:** "BUMP", "LOOSE GRAVEL", "LANE DROP-OFF SIGN" sign placement: The contractor shall place W8-1 sign ("BUMP" - B/FO), W8-7 sign ("LOOSE GRAVEL" - B/FO) and/or W8-17 signs ("SHOULDER DROP-OFF" - B/FO) in advance of bridge approaches or other locations during cold milling and overlay operations as needed or as directed by the project manager.
- 23. **CLEAR ZONE:** All stationary objects within clear zone shall be properly shielded and outlined with drums mounted with Type "A" warning lights. Use of vertically mounted retro-reflective material in lieu of a Type A warning light is strictly prohibited.
  - a. Equipment, materials, or vehicles stored within Right -of-way (ROW) shall be outside of clear zone (based on existing posted speed).
  - b. Equipment, material or vehicles stored within clear zone shall be properly shielded.
  - c. Materials, work activities, equipment, and vehicles shall not be stored within the established buffer space of the project work zone.
  - d. All construction equipment, vehicles and materials shall remain behind traffic control devices.
- 24. **TRAFFIC CONTROL MANAGEMENT:** The contractor or the traffic Control Subcontractor shall provide a Traffic Control Supervisor on site during working hours for response within 1 hour to traffic control issues/concerns.

25. **INCIDENT MANAGEMENT:** Contractor is required to comply with requirements of FHWA CFR 630 Subpart J for Work Zone Safety and Mobility which shall include an Incident Management Plan to be utilized for the entire duration of the project. The Incident Management Plan shall contain a method to address traffic flow through the work zone during incidents. The Incident Management Plan must be reviewed and approved by the District Traffic Engineer. The plan shall contain the following as a minimum:

- a. Contacts for the contractor, local enforcement, safety agencies, municipal agencies, public information officer and NMDOT
- b. Steps to be followed during incidents
- c. Method of recording and reporting incidents

26. **LIST OF INCIDENTALS - No Additional Payment Associated**  
LIST OF INCIDENTALS for Temporary Traffic Control  
A. MAINTENANCE OF TEMPORARY PAVEMENT MARKINGS FOR PROJECT DURATION

| REV NO | REV DATE | DESCRIPTION   |
|--------|----------|---|
| A.     |          | MAINTENANCE OF TEMPORARY PAVEMENT MARKINGS FOR PROJECT DURATION |

| NO.  | DATE          | REV BY      | DESCRIPTION    |
|--|---------------|-------------|----------------|
| REVISIONS ( OR CHANGE NOTICES )                                |               |             |                |
| NEW MEXICO<br>DEPARTMENT OF TRANSPORTATION<br>STANDARD DRAWING |               |             |                |
| TEMPORARY TRAFFIC CONTROL<br>GENERAL NOTES                     |               |             |                |
| APPROVED:  | <i>Afshin</i> |             | DATE: 12/10/15 |
| DESIGNED BY:   | DRAWN BY:     | CHECKED BY: |                |
| 702-01-2/5   |               |             |                |

TEMPORARY TRAFFIC CONTROL  
GENERAL NOTES  
(2 OF 2)

EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS  
VALENCIA COUNTY, NEW MEXICO

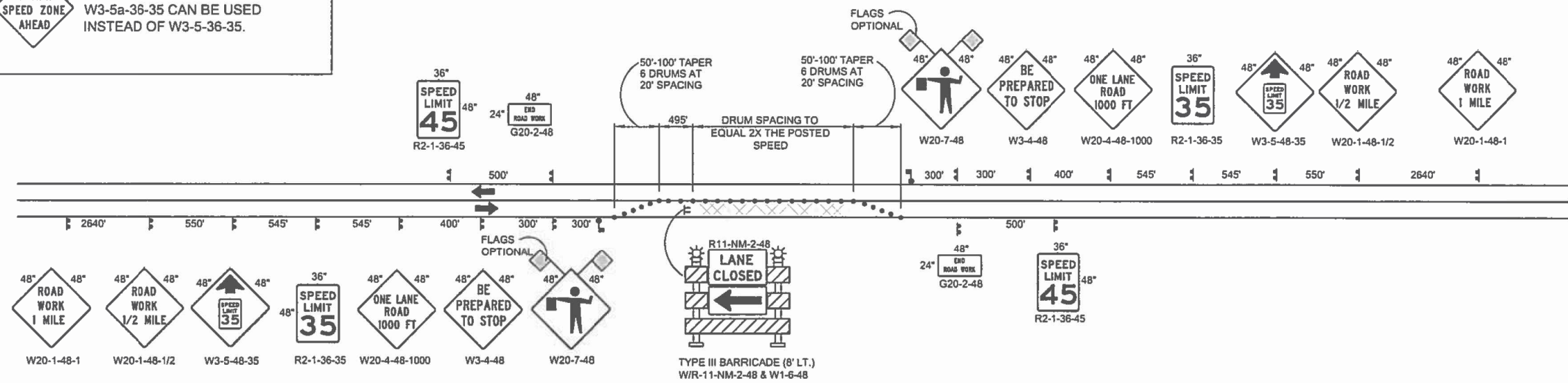
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SUMMARY  
FILENAME

36" 36"  
35 MPH  
SPEED ZONE  
AHEAD

NOTE:  
W3-5a-36-35 CAN BE USED  
INSTEAD OF W3-5-36-35.



**TYPICAL SIGNING AND DRUM PLACEMENT**  
WORKING HOURS - FOR DETOUR CONNECTIONS AND OBLITERATION

**LEGEND:**

- TYPE B WARNING LIGHT
- FLAGGER STATION
- FLUORESCENT ORANGE FLAG

**NOTES:**

- 1.) DURING CONSTRUCTION OPERATION (ONE LANE TRAFFIC), TRAFFIC SHALL BE MOVED THROUGH THE WORK ZONE USING PILOT CARS. ALL PILOT CARS SHALL BE EQUIPPED WITH THE FOLLOWING SIGNS AND RADIO FOR FLAGMAN & PILOT CARS.
 

THE PILOT CAR, APPLICABLE SIGN, AND OTHER ITEMS RELATED TO THE USE OF THE PILOT CAR SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION. NO PAYMENT OR MEASUREMENT WILL BE MADE THEREFORE.
- 2.) AT THE END OF THE WORKING DAY, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A DRIVING SURFACE FREE OF OBSTRUCTION (TWO WAY TRAFFIC).
- 3.) BUFFERS SHOULD BE ADJUSTED TO INCREASE VISIBILITY OF FLAGGER STATIONS.
- 4.) TO ENHANCE VISIBILITY OF WORK ZONE USE 48"x48" WARNING SIGNS.

**LONGITUDINAL BUFFER**

| SPEED (MPH) | LENGTH (FEET) | DRUMS (EACH) | SPACING (FEET) |
|-------------|---------------|--------------|----------------|
| 45          | 360 MIN.      | 8            | 45 (MAX)       |

\* DEVICE SPACING MAY BE REDUCED AND ADDITIONAL DEVICES USED AS NEEDED.

| NO   | DATE | REV. BY | DESCRIPTION   |
|--|------|---------|---------------|
| REVISIONS (OR CHANGE NOTICES)  |      |         |               |
| NEW MEXICO<br>DEPARTMENT OF TRANSPORTATION<br>STANDARD DRAWING         |      |         |               |
| TWO LANE ROADWAY WITH ONE-LANE<br>CLOSURE, FLAGMAN, PILOT CAR (45 MPH) |      |         |               |
| APPROVED   |      |         | DATE: 11.6.15 |
|  |      |         |               |
| 702-11-2/2   |      |         |               |

DRAWING SCALE: NOT TO SCALE

SEE SHEET 6-7 & 6-8 FOR ADVANCE SIGNING  
AND SPEED REDUCTION INFORMATION

TWO LANE ROADWAY WITH ONE-LANE  
CLOSURE, FLAGMAN, PILOT CAR (45 MPH)

EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS

VALENCIA COUNTY, NEW MEXICO

TEMPORARY TRAFFIC CONTROL NOTES

1. TWO WAY TRAFFIC ALONG BOTH NM 263 AND EL CERRO MISSION BLVD SHALL BE MAINTAINED AT ALL TIMES.
2. SEE SHEETS 6-5 & 6-6 AND SUGGESTED CONSTRUCTION SEQUENCING NOTES, THIS SHEET, FOR DESCRIPTION OF VARIOUS PHASES OF CONSTRUCTION. SEE SHEETS 6-7 & 6-8 FOR SUGGESTED PLACEMENT OF ADVANCE TRAFFIC CONTROL SIGNAGE.
3. THE SPEED LIMIT FOR BOTH NM 263 AND EL CERRO MISSION BLVD WITHIN THE PROJECT LIMITS SHALL BE NO GREATER THAN 20 MPH DURING CONSTRUCTION.
4. ACCESS TO PRIVATE RESIDENCES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.
5. WATER, BLADE AND COMPACT ALL TEMPORARY WIDENING, AS REQUIRED, TO MINIMIZE DUST AND MAINTAIN SMOOTH SURFACE FOR VEHICULAR TRAFFIC.
6. CONTACTING RESIDENTS AND LOCAL BUSINESSES:
  - A. For projects affecting access and travel on residential streets, local and major streets, Contractor will place a written notice of the construction activity at residences and businesses adjacent to the project (or portion of the project) at least (1) one week preceding the construction.
  - B. The Notice shall include the following:
    1. Project Information including identification, name and number.
    2. Contact Information for Contractor and Owner.
    3. Construction Schedule such as work hours, starting day and date, estimated.
    4. Completion day and date.
    5. And the "Information to Residents and Local Business Information" instructions shown below (This work shall be incidental to item 702680 - Traffic Control Devices for Construction):

*Information to Residents and Local Business Information:*

Please locate your vehicles away from construction areas adjacent to your property when directed by Contractor. Unattended vehicles may be towed by Contractor if the vehicle(s) impede construction.

1. For your safety please keep out of construction areas and request your children not to play in, around, and/or on construction equipment. When driving in a construction area please watch for and give right of way to construction equipment, workers and pedestrians.
2. Notify the Contractor prior to start of construction at your residence of special needs you may require for personal or vehicular access to your residence during construction.
3. Construction project information may be obtained by contacting an on-site Village Observer or Engineer.
4. Construction scheduling and information may be obtained by contacting the Contractor's office or his/her 24 hour project representative.

The Contractor shall update the Notice each month and place the updated written notice of construction monthly at residences and businesses adjacent to the project (or portion of the project).

A draft of the notice shall be submitted to the Engineer for review and authorization prior to use on this Project. Contractor shall provide a copy of the street construction notices to the Owner no later than 24 hours prior to distribution to residents and local businesses.

SUGGESTED SEQUENCING - PHASED CONSTRUCTION

- PHASE 1: 3 PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE POSITIONED, AS DIRECTED BY THE PROJECT MANAGER, 4 DAYS IN ADVANCE OF CONSTRUCTION ACTIVITIES IN ORDER TO ADVISE THE PUBLIC OF UPCOMING CONSTRUCTION AND SHIFTING TRAFFIC PATTERNS. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- PRIOR TO ANY CONSTRUCTION ACTIVITIES, INSTALL ADVANCE TRAFFIC CONTROL WARNING AND SPEED REDUCTION SIGNS. SEE SHEETS 6-7 & 6-8 FOR SUGGESTED PLACEMENT OF ADVANCE TRAFFIC CONTROL SIGNAGE.
- PHASE 1A: CONTRACTOR SHALL CONSTRUCT TEMPORARY WIDENING USING 12" SUBGRADE PREPARATION AND REGRADING TO MATCH EXISTING PAVEMENT AND CROSS SLOPE (THIS WORK PAID UNDER ITEM 207000 – SUBGRADE PREPARATION) ALONG THE WEST SIDE OF NM 263 AND BOTH NORTH AND SOUTH SIDES OF EL CERRO MISSION BLVD, AS SHOWN ON SHEET 6-5.
- PHASE 1B: SHIFT NM 263 AND EL CERRO MISSION BLVD TRAFFIC AS SHOWN ON SHEET 6-5.
- PHASE 1C: BUILD FULL DEPTH CONSTRUCTION AS SHOWN ON SHEET 6-5.
- PHASE 2:
- PHASE 2A: MAINTAIN NM 263 TRAFFIC AS ESTABLISHED DURING PHASE 1. SHIFT EL CERRO MISSION BLVD TRAFFIC AS SHOWN ON SHEET 6-5.
- PHASE 2B: BUILD ADDITIONAL FULL DEPTH CONSTRUCTION AS SHOWN ON SHEET 6-5.
- PHASE 3:
- PHASE 3A: RETURN NM 263 TRAFFIC TO EXISTING LANE USE. SHIFT EL CERRO MISSION BLVD TRAFFIC AS SHOWN ON SHEET 6-6.
- PHASE 3B: CONSTRUCT REMAINDER OF EL CERRO MISSION BLVD AS SHOWN ON SHEET 6-6.
- PHASE 3C: UNDER FLAGGER CONTROLLED TRAFFIC, APPLY PERMANENT SIGNING AND STRIPING.

TRAFFIC CONTROL MANAGEMENT

THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT AND OBTAIN APPROVAL OF A TRAFFIC CONTROL PERMIT PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES ON THE ROADWAY. ALONG WITH THE PERMIT, THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN THAT WILL REFLECT AND COORDINATE THE CONTRACTOR'S PROPOSED CONSTRUCTION PHASING. THESE PLANS SHALL BE PREPARED AND SEALED BY A NEW MEXICO REGISTERED PROFESSIONAL ENGINEER. THE PLANS SHALL BE REVIEWED AND APPROVED BY THE DISTRICT THREE TRAFFIC ENGINEER OR DESIGNEE. THE NMDOT DISTRICT TRAFFIC SECTION RESERVES THE RIGHT TO MAKE ANY CHANGES TO THE TRAFFIC CONTROL PLAN TO ADDRESS SITE SPECIFIC ITEMS THAT WERE NOT SHOWN ON THE PLANS. THE NMDOT ALSO RESERVES THE RIGHT TO ADD TRAFFIC CONTROL DEVICES TO THE APPROVED PLAN IF IT IS DETERMINED BY THE TRAFFIC ENGINEER OR DESIGNEE THAT THE ADDITIONAL DEVICES WOULD BE REQUIRED TO ADDRESS SAFETY CONCERNS WITHIN OR IN ADVANCE OF THE WORK ZONE. ANY ADDITIONAL SIGNS AND/OR DEVICES WILL BE CONSIDERED INCIDENTAL TO ITEM 618000 (TRAFFIC CONTROL MANAGEMENT) AND NO MEASUREMENT OR PAYMENT SHALL BE MADE. THE TRAFFIC CONTROL PERMIT ALONG WITH THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE NMDOT AT LEAST 10 WORKING DAYS PRIOR TO CONSTRUCTION. THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED ON 11X17 SHEETS. A COPY OF THE TRAFFIC CONTROL PERMIT (RIGHT-OF-WAY FORMS) MAY BE OBTAINED AT THE NMDOT WEBSITE:

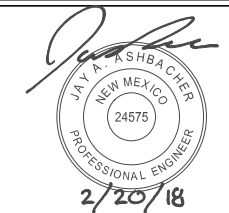
<http://dot.state.nm.us/content/nmdot/en/Infrastructure.html>

**MOLZENCORBIN**

2701 Miles Road SE  
Albuquerque, New Mexico 87106  
505 242 5700 office  
505 242 0673 fax  
MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION:  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION  
DRAWINGS ARE DEPICTED AT INTENDED NUMERIC SCALES  
IF THIS BAR EQUALS ONE INCH



| REV NO | REV DATE | DESCRIPTION |
|--------|----------|-------------|
|        |          |             |
|        |          |             |
|        |          |             |

|                 |               |
|-----------------|---------------|
| PROJECT NUMBER: | VAL171-11     |
| DESIGNED BY:    | B. BAILEY     |
| DRAWN BY:       | B. BAILEY     |
| CHECKED BY:     | K. EADES      |
| PROJ. ENG:      | J. ASHBACHER  |
| PROJECT DATE:   | FEBRUARY 2018 |

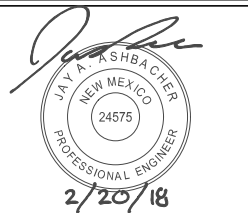
SUGGESTED CONSTRUCTION SEQUENCING

EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS

VALENCIA COUNTY, NEW MEXICO

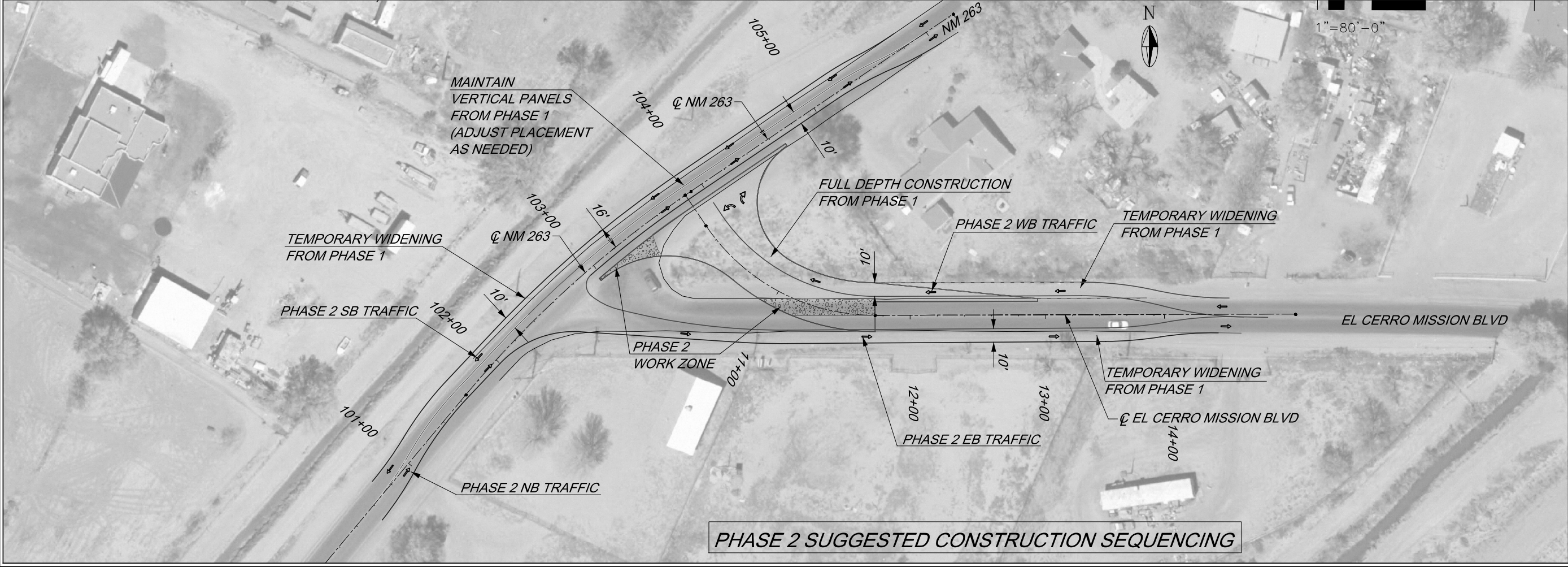
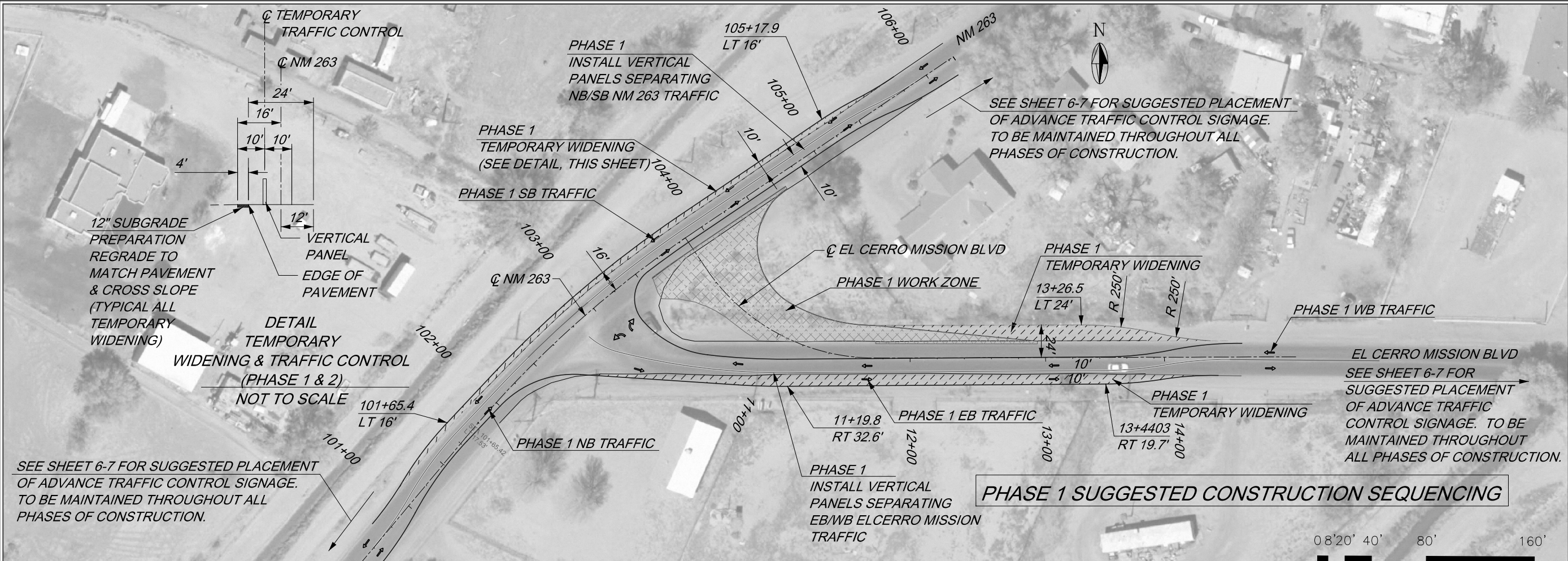
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| PROJ. ENG.:     | J. ASHBACHER  |
| PROJECT DATE:   | FEBRUARY 2018 |



CONSTRUCTION PHASING PLAN  
 PHASES 1 & 2

EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS

VALENCIA COUNTY, NEW MEXICO

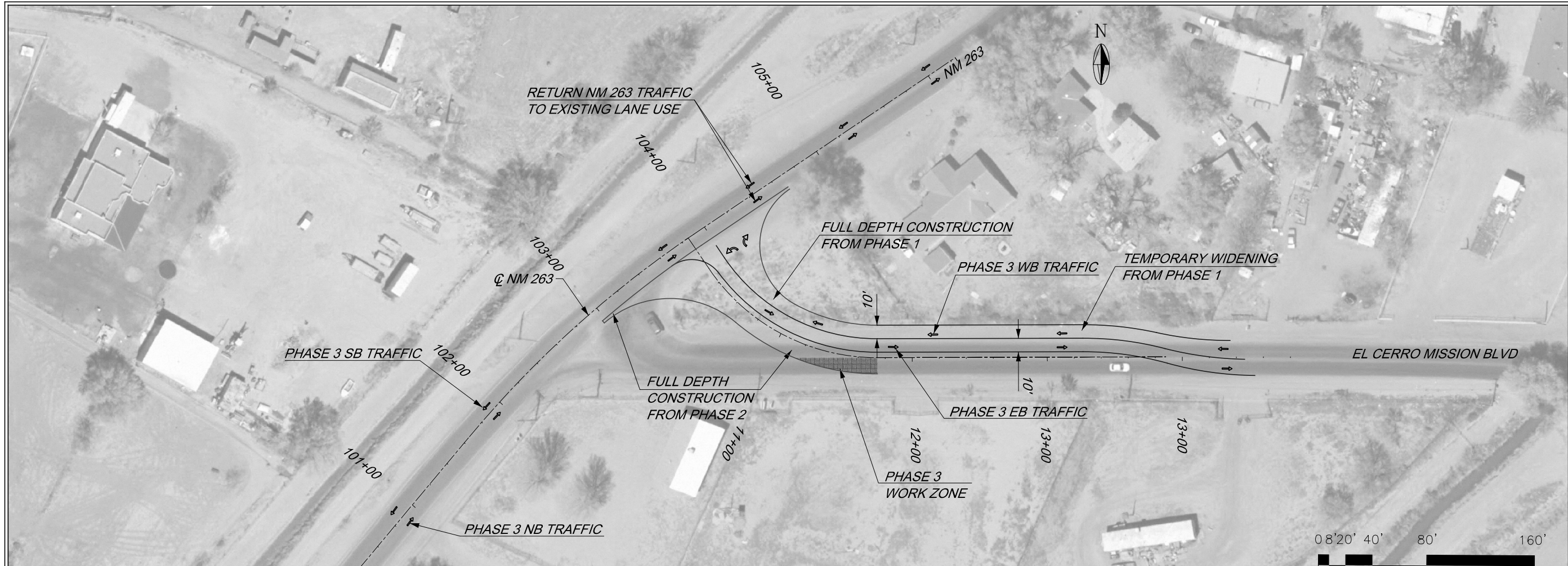
**6-5**

SHEET

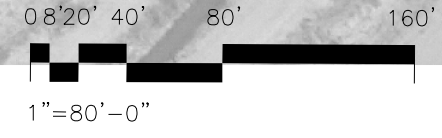
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**PHASE 3 SUGGESTED CONSTRUCTION SEQUENCING**



**MOLZENCORBIN**  
 2701 Miles Road SE  
 Albuquerque, New Mexico 87106  
 505 242 5700 office  
 505 242 0673 fax  
 MolzenCorbin.com

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NUMERIC SCALE CONFIRMATION  
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 NUMERIC SCALES  
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*J. Ashbacher*  
 JAY A. ASHBACHER  
 NEW MEXICO  
 24575  
 PROFESSIONAL ENGINEER  
 2/20/18

| REV NO | REV DATE | DESCRIPTION |
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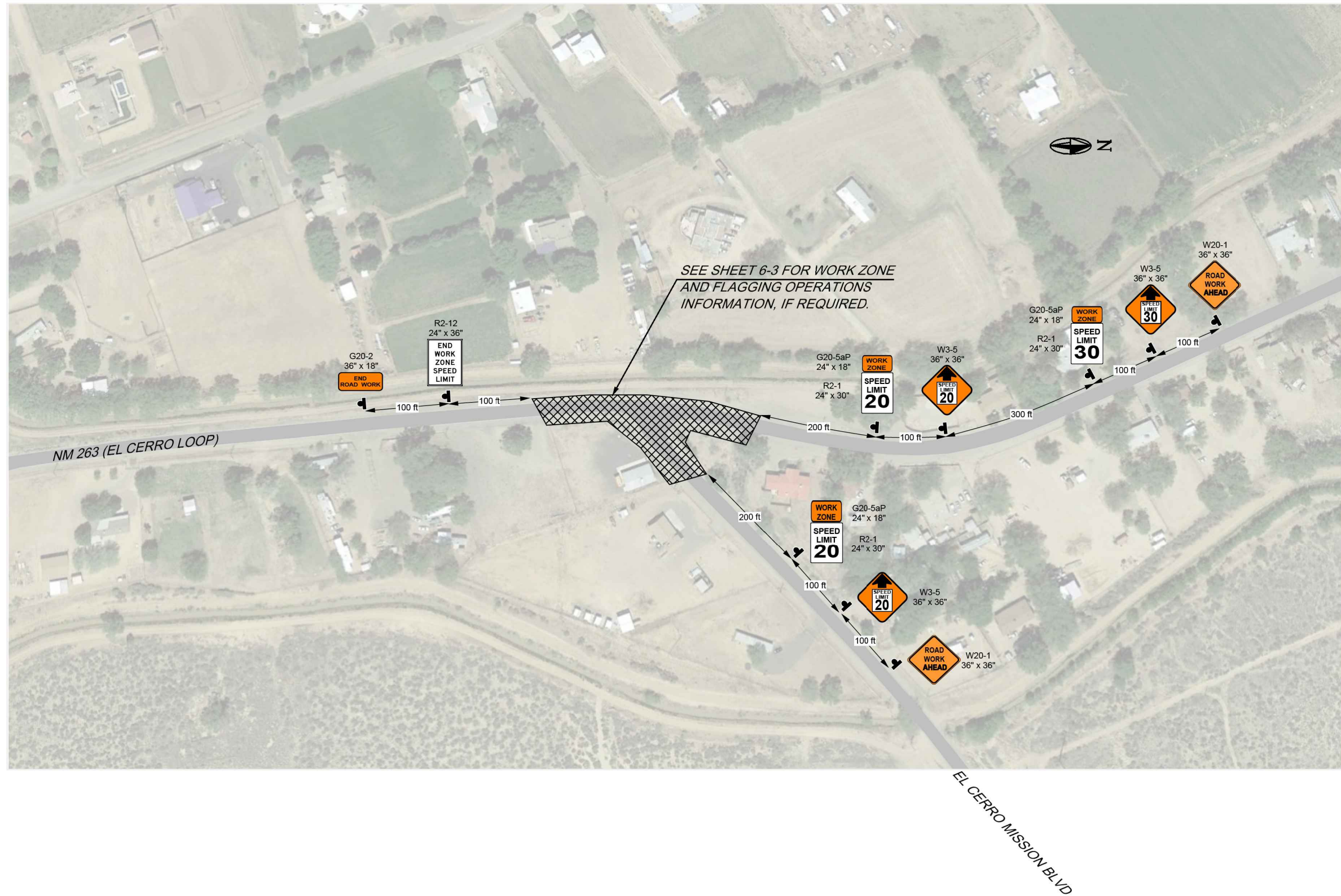
CONSTRUCTION PHASING PLAN  
 PHASE 3

EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS

VALENCIA COUNTY, NEW MEXICO

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**NUMERIC SCALE CONFIRMATION**  
 DRAWINGS ARE DEPICTED AT INTENDED  
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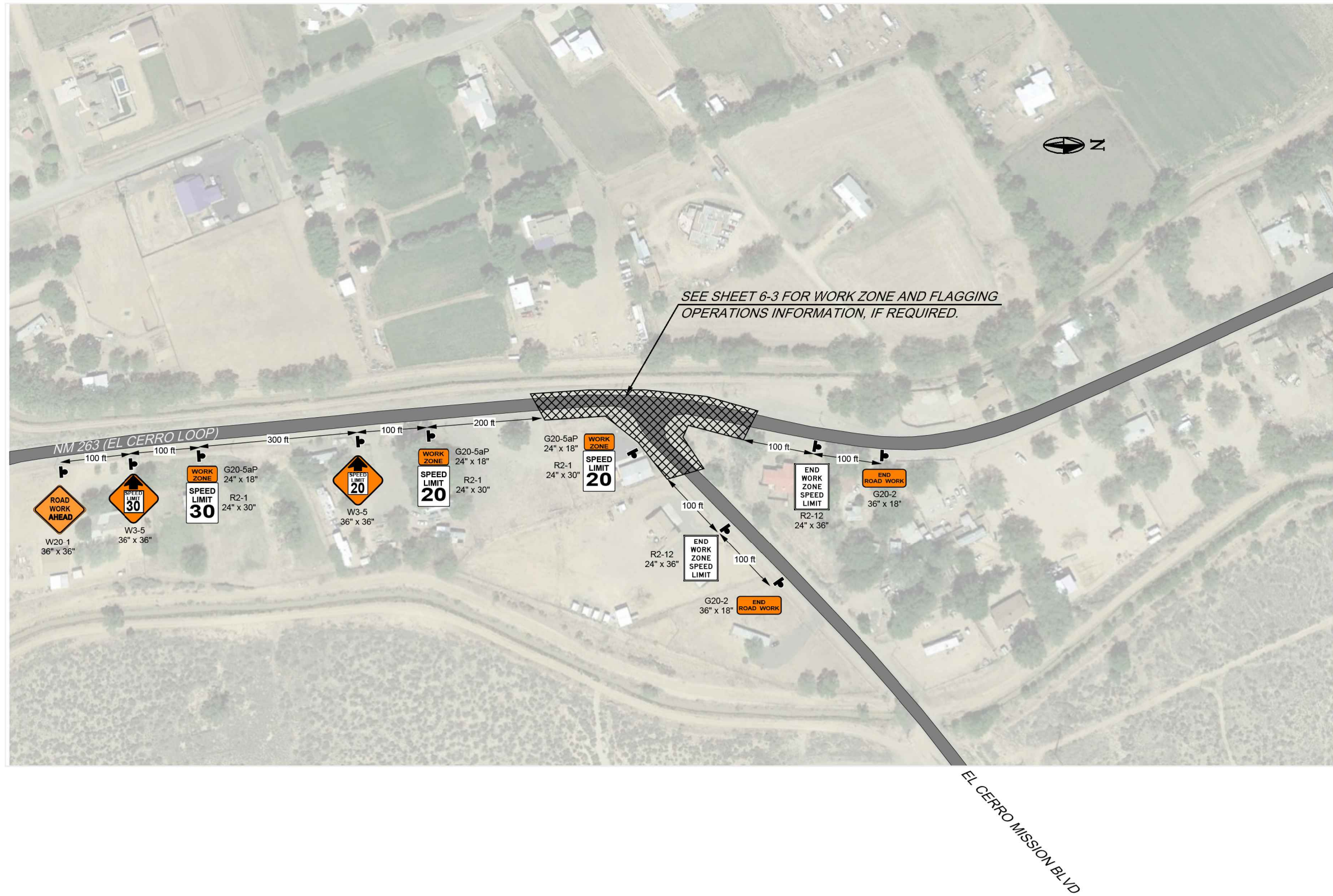
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| CHECKED BY:     | K. EADES      |
| PROJ. ENG.:     | J. ASHBACHER  |
| PROJECT DATE:   | FEBRUARY 2018 |

SUGGESTED ADVANCE CONSTRUCTION SIGNING  
 NM 263 SB & EL CERRO MISSION BLVD WB  
 EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS  
 VALENCIA COUNTY, NEW MEXICO

**NOTICE OF EXTENDED PAYMENT PROVISION:**  
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 OF AN UNDISPUTED REQUEST FOR PAYMENT

**NUMERIC SCALE CONFIRMATION**  
 DRAWINGS ARE DEPICTED AT INTENDED  
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| PROJECT NUMBER: | VAL171-11     |
| DESIGNED BY:    | B. BAILEY     |
| DRAWN BY:       | B. BAILEY     |
| CHECKED BY:     | K. BALES      |
| PROJ. ENG.:     | J. JASHBACHER |
| PROJECT DATE:   | FEBRUARY 2018 |

**SUGGESTED ADVANCE CONSTRUCTION SIGNING**  
 NM 263 NB & EL CERRO MISSION BLVD EB  
 EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS  
 VALENCIA COUNTY, NEW MEXICO

1. ALL REGULATORY, WARNING, SPECIAL, AND GUIDE SIGNS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS. LEGEND AND BACKGROUND TO BE SAME SHEETING TYPE.

| SIGN  | SIGN CODE          | COLOR   | LEGEND SHEETING | BACKGROUND SHEETING |
|---|--------------------|---|-----------------|---------------------|
| STOP  | R1-1               | WHITE/RED   | TYPE VIII OR IX | TYPE VIII OR IX     |
| YIELD   | R1-2               | WHITE/RED   | TYPE VIII OR IX | TYPE VIII OR IX     |
| DO NOT ENTER  | R5-1               | WHITE/RED   | TYPE VIII OR IX | TYPE VIII OR IX     |
| WRONG WAY   | R5-1a              | WHITE/RED   | TYPE VIII OR IX | TYPE VIII OR IX     |
| SCHOOL BUS STOP   | S3-1               | BLK/FLUORESCENT YELLOW GREEN  | TYPE VIII OR IX | TYPE VIII OR IX     |
| SCHOOL BUS CROSSING   | S1-1               | BLK/FLUORESCENT YELLOW GREEN  | TYPE VIII OR IX | TYPE VIII OR IX     |
| PEDESTRIAN CROSSING   | W11-2              | BLK/FLUORESCENT YELLOW GREEN  | TYPE VIII OR IX | TYPE VIII OR IX     |
| BIKE XING   | W11-1              | BLK/FLUORESCENT YELLOW GREEN  | TYPE VIII OR IX | TYPE VIII OR IX     |
| ALL SCHOOL/PED/BIKE SUPPLEMENTAL PLAQUES  |                    | BLK/FLUORESCENT YELLOW GREEN (WHEREVER BLK/YELLOW IS SPECIFIED AS COLOR IN MUTCD) | TYPE VIII OR IX | TYPE VIII OR IX     |
| ALL OTHER WARNING SIGNS & SUPPLEMENTAL PLAQUES  |                    | BLK/FLUORESCENT YELLOW (WHEREVER BLK/YELLOW IS SPECIFIED AS COLOR IN MUTCD)       | TYPE VIII OR IX | TYPE VIII OR IX     |
| GUIDE & DESTINATION SIGNS INCLUDE EXTRUDED & NON-EXTRUDED (OVERHEAD & GROUND MOUNTED) | ALL                | WHITE/GREEN (EXCEPT WHERE SPECIFIED IN THE MUTCD)                                 | TYPE IX/XI      | TYPE IX/XI          |
| E-CODE SIGNS  | E 11-1, 1a, 1b, 1c | BLK/FLUORESCENT YELLOW  | TYPE XI         | TYPE XI             |
| RECREATIONAL & CULTURAL INTERESTS   | ALL                | WHITE/BROWN   | TYPE VIII OR IX | TYPE VIII OR IX     |

|                           |     |   |                 |                 |
|---------------------------|-----|---|-----------------|-----------------|
| GENERAL SERVICE           | ALL | WHITE/BLUE  | TYPE VIII OR IX | TYPE VIII OR IX |
| SPECIFIC SERVICE          | ALL | WHITE/BLUE  | TYPE VIII OR IX | TYPE VIII OR IX |
| ALL OTHER PERMANENT SIGNS |     | BLACK/WHITE (EXCEPT WHERE SPECIFIED OTHERWISE IN THE MUTCD) | TYPE VIII OR IX | TYPE VIII OR IX |

**PERMANENT SIGNING AND STRIPING NOTES**

- ALL REGULATORY, WARNING, SPECIAL, AND GUIDE SIGNS SHALL COMPLY WITH IDD-2014-03 – SIGN SHEETING REQUIREMENTS. LEGEND AND BACKGROUND TO BE SAME SHEETING TYPE.
- ONLY 0.125 INCHES THICK ALUMINUM PANEL SIGNS ARE PERMITTED FOR WARNING AND REGULATORY SIGNS.
- ANTI GRAFFITI COATING, WITH UV INHIBITOR, SHALL BE APPLIED ON ALL REGULATORY, WARNING, GUIDE, AND SPECIAL SIGNS.
- QUANTITIES MAY VARY AS FIELD CONDITIONS DICTATE. THE CONTRACTOR WILL BE PAID FOR ACTUAL QUANTITIES USED.
- EACH SIGN FACE SHOWN ON PLANS SHALL MEET THE SPECIFICATIONS IN THE STANDARD HIGHWAY SIGNS MANUAL (CURRENT EDITION) FOR PROPER ARRANGEMENT, SPACING OF LETTERS, LETTER HEIGHT, SYMBOLS AND BORDERS FOR THE SPECIFIED SIZE AND MESSAGE AS SHOWN ON PLANS. ALL SPECIAL SIGN FACE DETAILS SHALL BE SUBMITTED TO THE NMDOT FOR REVIEW AND APPROVAL.
- POST LENGTHS ARE BASED ON A MINIMUM OF 5 FT FOR RURAL ROADWAY SECTIONS TO A MINIMUM OF 7 FT FOR URBAN AND INTERSTATE ROADWAY SECTIONS. THE LENGTHS ARE MEASURED FROM THE BOTTOM OF THE SIGN TO NEAR EDGE OF THE DRIVING LANE.
- ALL SIGNING HARDWARE, INCLUDING, BUT NOT LIMITED TO, BRACKETS, BANDING, BUCKLES, FASTENERS, SCREWS, AND WASHERS, ETC. ARE CONSIDERED INCIDENTAL TO SIGN INSTALLATION. THEREFORE, NO PAYMENT WILL BE MADE.
- THREE 4 LB/FT SIGN POST INSTALLATION APPROVED ONLY IF THE SPAN BETWEEN THE OUTER POSTS EXCEEDS 84" (SIGN WIDTH OF 96" OR GREATER).
- 3'- 6" BASE POSTS ARE REQUIRED FOR ALL SMALL SIGN POSTS. SEE STANDARD DRAWING 701-02-1/3 FOR DETAILS. BASE POSTS SHALL BE 2.5" X 2.5" SQUARE.
- SIGN POSTS SHALL BE 2.25"X2.25" SQUARE TUBING OR AS APPROVED BY THE PROJECT MANAGER, THE DISTRICT TRAFFIC ENGINEER OR HIS/HER DESIGNEE.
- THE LATERAL CLEARANCE OF SIGNS SHALL BE NO CLOSER THAN THE 6 FT FROM THE EDGE OF SHOULDER OR 12 FT FROM THE EDGE OF TRAVELED WAY FOR RURAL AREAS AND NO CLOSER THAN 2 FT FROM FACE OF CURB FOR URBAN AREAS.
- CONTRACTOR SHALL FIELD VERIFY ALL SIGNING, TEXT, AND LOCATIONS PRIOR TO FABRICATION AND INSTALLATION. NEW SIGN LOCATIONS SHALL BE APPROVED BY THE PROJECT MANAGER OR THE DISTRICT TRAFFIC ENGINEER.
- THE RETROREFLECTORIZED PAVEMENT MARKING SHALL BE APPLIED AT A THICKNESS OF 90 MIL. THE APPROVED THERMOPLASTIC MARKING APPLICATION METHOD SHALL BE EITHER GRAVITY EXTRUSION OR RIBBON APPLICATION.
- THE CONTRACTOR SHALL MARK ALL LOCATIONS IN THE FIELD IN WHICH PAVEMENT MARKINGS, SUCH AS LEGENDS, ARROWS, CROSSWALKS, STOP BARS, ETC. ARE TO BE PLACED. THIS PAVEMENT MARKING LAYOUT SHALL BE CONSIDERED INCIDENTAL. THE CONTRACTOR SHALL OBTAIN CONCURRENCE FROM THE DISTRICT TRAFFIC ENGINEER (OR HIS/HER DESIGNEE) BEFORE THE FINAL MARKINGS ARE APPLIED.
- WATER BLASTING IS THE ONLY APPROVED METHOD OF EXISTING STRIPE REMOVAL WITHIN DISTRICT THREE. THE USE OF BLACK PAINT AS A METHOD OF REMOVING OR COVERING EXISTING STRIPING IS STRICTLY PROHIBITED. WHEN WATER BLASTING ON OPEN GRADED FRICTION COURSE (OGFC) OR ON THE FINAL LIFT OF THE EXISTING PAVEMENT, THE CONTRACTOR SHALL APPLY A SEAL TO THE WATER BLASTED AREA AND SEAL SHALL BE INCIDENTAL TO REMOVAL OF PAVEMENT STRIPE.

LIST OF INCIDENTALS (NO ADDITIONAL PAYMENT ASSOCIATED)

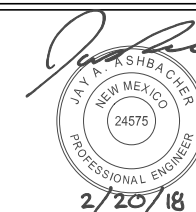
| LIST OF INCIDENTALS for permanent striping and signing |  |
|--|--|
| A.   | ALL SIGNING HARDWARE, INCLUDING, BUT NOT LIMITED TO, BRACJETS M BANDING, BUCKLES, FASTENERS, SCREWS, WASHERS, ETC. |
| B.   | PAVEMENT MARKING LAYOUT  |
| C.   | SEAL APPLIED TO PAVEMENT STRIPE AFTER STRIPE REMOVAL   |

**MOLZENCORBIN**

2701 Miles Road SE  
Albuquerque, New Mexico 87106  
505 242 5700 office  
505 242 0673 fax  
MolzenCorbin.com

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OF AN UNDISPUTED REQUEST FOR PAYMENT

NUMERIC SCALE CONFIRMATION  
DRAWINGS ARE DEPICTED AT INTENDED  
NUMERIC SCALES  
IF THIS BAR EQUALS ONE INCH



| REV NO | REV DATE | DESCRIPTION                 |
|--------|----------|-----------------------------|
|        |          | PROJECT NUMBER: VAL171-11   |
|        |          | DESIGNED BY: B. BAILEY      |
|        |          | DRAWN BY: B. BAILEY         |
|        |          | CHECKED BY: K.EADES         |
|        |          | PROJ. ENG: J.ASHBACHER      |
|        |          | PROJECT DATE: FEBRUARY 2018 |

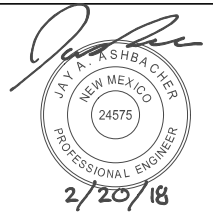
PERMANENT SIGNING AND STRIPING  
GENERAL NOTES

EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS  
VALENCIA COUNTY, NEW MEXICO

NOTE: INFORMATION CONTAINED WITHIN THIS SHEET PROVIDED BY NMDOT DISTRICT THREE.

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| PERMANENT STRIPING QUANTITIES |                              |                      |              |   |  |   |  |   |        |
|-------------------------------|------------------------------|----------------------|--------------|---|--|---|--|---|--------|
| ITEM                          | DESCRIPTION                  | LOCATION             | L/RT         | 704000                                    |  | 704224                                    | 704320                                   | 704330                                    | 704400 |
|                               |                              |                      |              | RETROREFLECTORIZED<br>PAINTED MARKINGS 4" | RETROREFLECTORIZED<br>PLASTIC PAVEMENT<br>STRIPE 24" | RETROREFLECTORIZED<br>PLASTIC RIGHT ARROW | RETROREFLECTORIZED<br>PLASTIC LEFT ARROW | RETROREFLECTORIZED<br>PLASTIC WORD (ONLY) |        |
|                               |                              |                      |              | STA                                       | TO STA   | L.F.                                      | L.F.                                     | EA  | EA     |
| <b>EL CERRO MISSION BLVD</b>  |                              |                      |              |   |  |   |  |   |        |
| 4" WHITE LINES                |                              |                      |              |   |  |   |  |   |        |
|                               | EASTBOUND SHOULDER STRIPE    | NM 263 102+97.14, RT | 12+94.19, RT | RT  | 340.0  |   |  |   |        |
|                               | WESTBOUND SHOULDER STRIPE    | 10+22.0              | 12+94.2      | LT  | 255.0  |   |  |   |        |
|                               | WESTBOUND LANE STRIPE        | 10+22.0              | 11+74.2      | LT  | 140.0  |   |  |   |        |
|                               | 4" DOUBLE SOLID YELLOW LINES | 10+22.0              | 12+94.2      | CL  | 544.4  |   |  |   |        |
| 24" WHITE LINES               |                              |                      |              |   |  |   |  |   |        |
|                               | STOP BAR                     | 10+22.0              |              | LT  |  | 48.0                                      |  |   |        |
|                               | WESTBOUND TURN LANE MARKINGS | 10+32.0              |              | LT  |  |   | 1  | 1   |        |
|                               |                              | 11+03.0              |              | LT  |  |   | 1  | 1   |        |
|                               |                              | 11+74.0              |              | LT  |  |   | 1  | 1   |        |
|                               |                              | 10+71.0              |              | LT  |  |   |  |   | 2      |
|                               |                              | 11+35.0              |              | LT  |  |   |  |   | 2      |
| <b>NM 263</b>                 |                              |                      |              |   |  |   |  |   |        |
| 4" WHITE LINES                |                              |                      |              |   |  |   |  |   |        |
|                               | NORTHBOUND SHOULDER STRIPE   | 100+60.0             | 102+97.1     | RT  | 237.1  |   |  |   |        |
|                               |                              | 104+68.0             | 106+00.0     | RT  | 132.0  |   |  |   |        |
|                               | SOUTHBOUND SHOULDER STRIPE   | 100+60.0             | 106+00.0     | LT  | 540.0  |   |  |   |        |
|                               | 4" DOUBLE SOLID YELLOW LINES | 100+60.0             | 103+50.0     | CL  | 290.0  |   |  |   |        |
|                               |                              | 104+00.0             | 106+00.0     | CL  | 200.0  |   |  |   |        |
|                               | <b>SUB-TOTAL</b>             |                      |              |   | 2678.5   | 48.0                                      | 3.0                                      | 3.0                                       | 4.0    |
|                               | <b>PROJECT USE</b>           |                      |              |   | 2,700  | 50  | 3  | 3   | 4      |

NOTE: 3 APPLICATIONS REQUIRED PER SECTION 704

| PERMANENT SIGNING |            |                          |               |      |                        |                         |             |      |                                   |   |  |  |
|-------------------|------------|--------------------------|---------------|------|------------------------|-------------------------|-------------|------|-----------------------------------|---|--|--|
| ITEM              | MUTCD I.D. | SIGN KEY #               | STATION       | L/RT | PANEL<br>WIDTH<br>(IN) | PANEL<br>HEIGHT<br>(IN) | 701000      |      | 701030                            |   | 701100   |  |
|                   |            |                          |               |      |                        |                         | PANEL SIGNS |      | REMOVE AND<br>RESET PANEL<br>SIGN | STEEL POST FOR<br>ALUMINUM PANEL<br>SIGNS | STEEL BASE POST<br>FOR ALUMINUM<br>PANEL SIGNS |  |
|                   |            |                          |               |      |                        |                         | S.F.        | EA.  | L.F.                              | L.F.                                      |  |  |
|                   |            | E-1                      | NM 263 102+33 | RT   |                        |                         |             | 1    |                                   |   |  |  |
|                   |            | E-2                      | NM 263 102+34 | LT   |                        |                         |             | 2    | 22                                |   | 7  |  |
|                   | R1-1       | N-2                      | 10+22.0       | LT   | 30                     | 30                      | 6.25        |      | 22                                |   | 7  |  |
|                   | R3-8LR     | N-3                      | 11+74.0       | LT   | 30                     | 30                      | 6.25        |      | 11                                |   | 3.5  |  |
|                   | W1-2R      | N-4                      | 13+60.0       | LT   | 30                     | 30                      | 6.25        |      | 11                                |   | 3.5  |  |
|                   |            | <b>SUBTOTAL</b>          |               |      |                        |                         | 18.75       | 3.00 | 66.00                             |   | 21.00  |  |
|                   |            | <b>ADJUSTED SUBTOTAL</b> |               |      |                        |                         | 18.75       |      |                                   | 87.00                                     |  |  |
|                   |            | <b>PROJECT USE</b>       |               |      |                        |                         | 20          | 3    |                                   | 90  |  |  |

| ITEM 601000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS<br>SIGN REMOVALS |               |      |              |
|---|---------------|------|--------------|
| SIGN KEY #  | LOCATION      | L/RT | QUANTITY     |
| E-1   | NM 263 102+33 | RT   | 1 POST ONLY  |
| E-2   | NM 263 102+34 | L/RT | 2 POSTS ONLY |
| E-3   | 10+47.0       | RT   | 1            |
| <b>SUB-TOTAL</b>  |               |      | 3            |
| <b>PROJECT USE</b>  |               |      | 3            |

| REV NO | REV DATE | DESCRIPTION   |
|--------|----------|---------------|
|        |          | VAL 171-11    |
|        |          | B. BAILEY     |
|        |          | B. BAILEY     |
|        |          | K. EADES      |
|        |          | J. ASHBACHER  |
|        |          | FEBRUARY 2018 |

PERMANENT SIGNING AND STRIPING  
SCHEDULES

EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS

VALENCIA COUNTY, NEW MEXICO

**PERMANENT STRIPING LEGEND**

- 4" SWL = 4" SOLID WHITE PAVEMENT MARKING STRIPE
- 4" DSYL = 4" DOUBLE SOLID YELLOW PAVEMENT MARKING STRIPE
- SB-24" = 24" SOLID WHITE PAVEMENT MARKING STRIPE (STOP BAR)
- CW = 24" SOLID WHITE CROSS WALK LINE (10' LONG)
- LA = LEFT ARROW PAVEMENT MARKING
- RA = RIGHT ARROW PAVEMENT MARKING
- ONLY = PAVEMENT MARKING "WORD" ONLY PLACED 1/2 DISTANCE BETWEEN ARROWS.

**MOLZENCORBIN**

2701 Miles Road SE  
Albuquerque, New Mexico 87106  
505 242 5700 office  
505 242 0673 fax  
MolzenCorbin.com

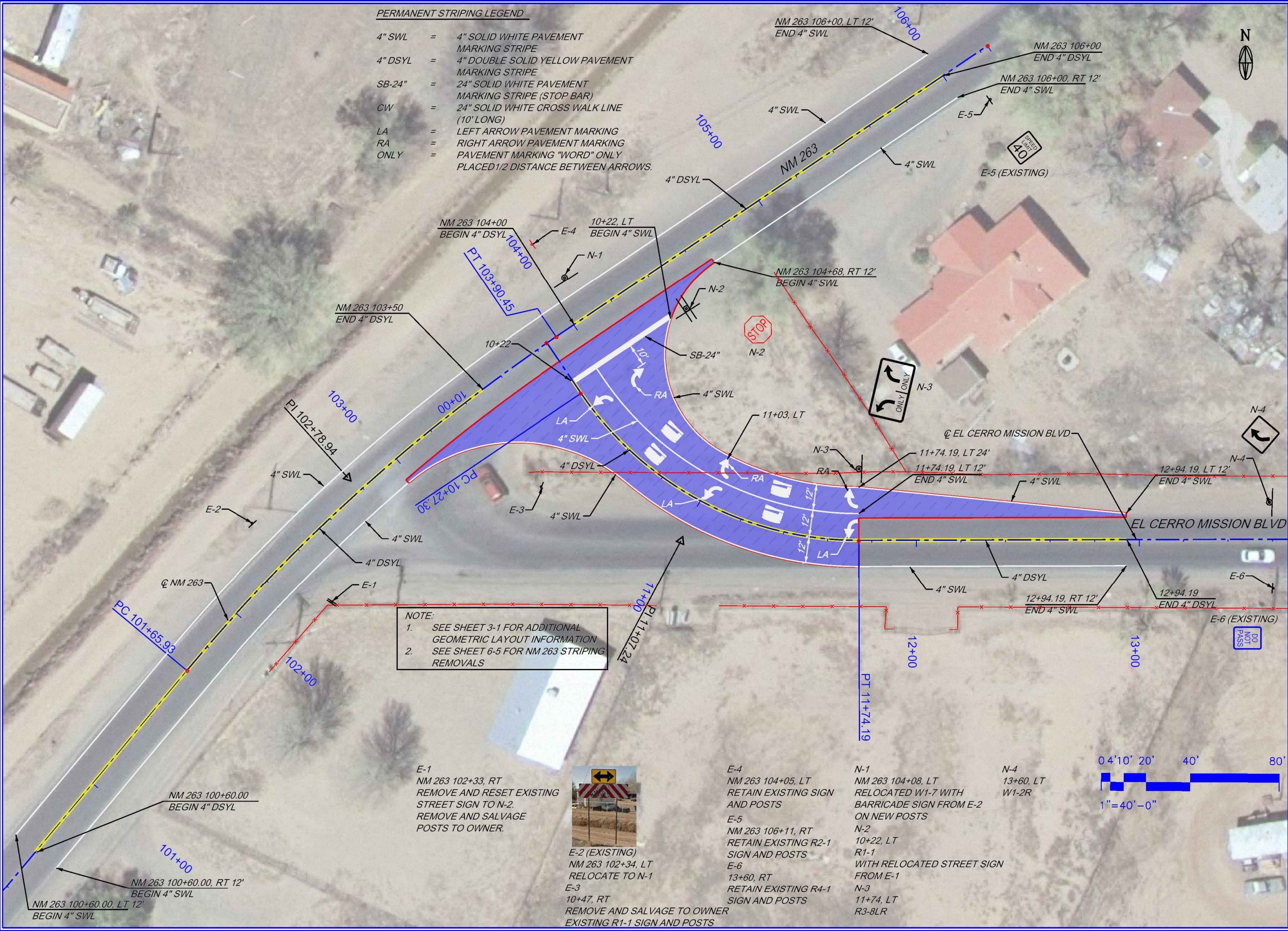
**NOTICE OF EXTENDED PAYMENT PROVISION:**  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

**NUMERIC SCALE CONFIRMATION**  
DRAWINGS ARE DEPICTED AT INTENDED NUMERIC SCALES  
IF THIS BAR EQUALS ONE INCH



| REV NO | REV DATE | DESCRIPTION |
|--------|----------|-------------|
| 1      |          |             |
| 2      |          |             |
| 3      |          |             |
| 4      |          |             |
| 5      |          |             |
| 6      |          |             |
| 7      |          |             |
| 8      |          |             |
| 9      |          |             |
| 10     |          |             |

|                 |               |
|-----------------|---------------|
| PROJECT NUMBER: | VAL 171-11    |
| DESIGNED BY:    | B. BAILEY     |
| DRAWN BY:       | B. BAILEY     |
| CHECKED BY:     | K. BALES      |
| PROJ. ENG.:     | J. ASHBACHER  |
| PROJECT DATE:   | FEBRUARY 2018 |



**NOTE:**  
1. SEE SHEET 3-1 FOR ADDITIONAL GEOMETRIC LAYOUT INFORMATION  
2. SEE SHEET 6-5 FOR NM 263 STRIPING REMOVALS

E-1  
NM 263 102+33, RT  
REMOVE AND RESET EXISTING STREET SIGN TO N-2.  
REMOVE AND SALVAGE POSTS TO OWNER.



E-2 (EXISTING)  
NM 263 102+34, LT  
RELOCATE TO N-1  
E-3  
10+47, RT  
REMOVE AND SALVAGE TO OWNER  
EXISTING R1-1 SIGN AND POSTS

E-4  
NM 263 104+05, LT  
RETAIN EXISTING SIGN AND POSTS  
E-5  
NM 263 106+11, RT  
RETAIN EXISTING R2-1 SIGN AND POSTS  
E-6  
13+60, RT  
RETAIN EXISTING R4-1 SIGN AND POSTS

N-1  
NM 263 104+08, LT  
RELOCATED W1-7 WITH BARRICADE SIGN FROM E-2 ON NEW POSTS  
N-2  
10+22, LT  
R1-1  
WITH RELOCATED STREET SIGN FROM E-1  
N-3  
11+74, LT  
R3-8LR

N-4  
13+60, LT  
W1-2R



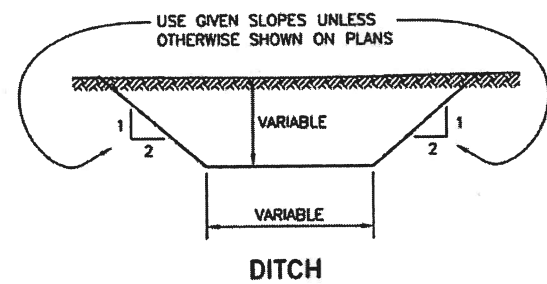
**PERMANENT SIGNING & STRIPING**  
  
**EL CERRO MISSION BLVD/NM 263 INTERSECTION IMPROVEMENTS**  
  
**VALENCIA COUNTY, NEW MEXICO**

**7-3**

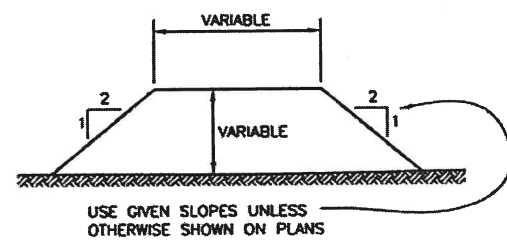
SHEET

© COPYRIGHT

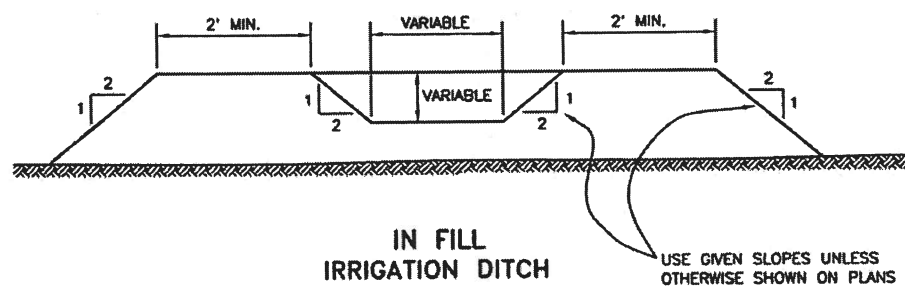
MCA\_PDFcolor 10:59:56 AM  
 J:\VALENCIA\



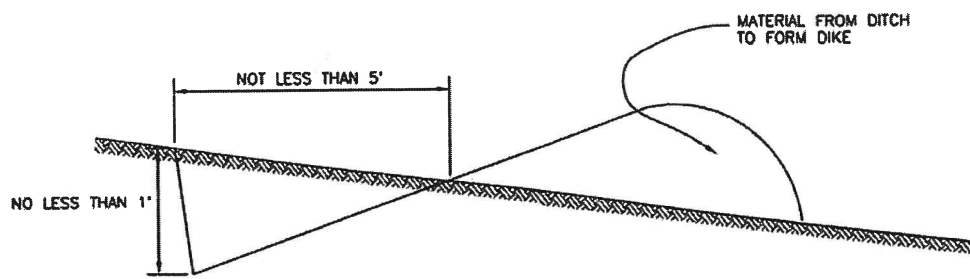
DITCH



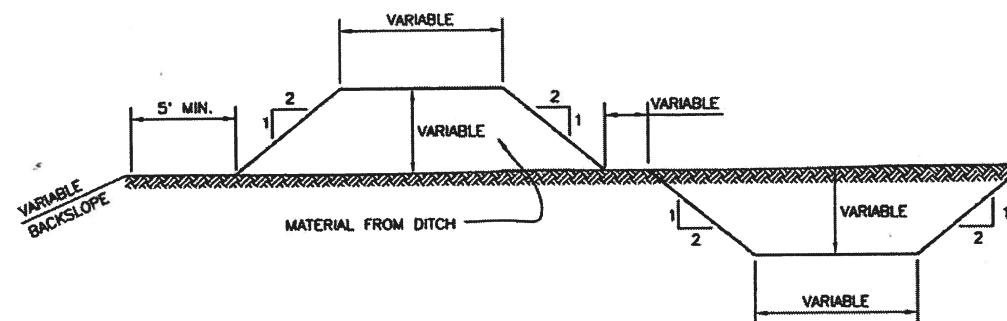
DIKE



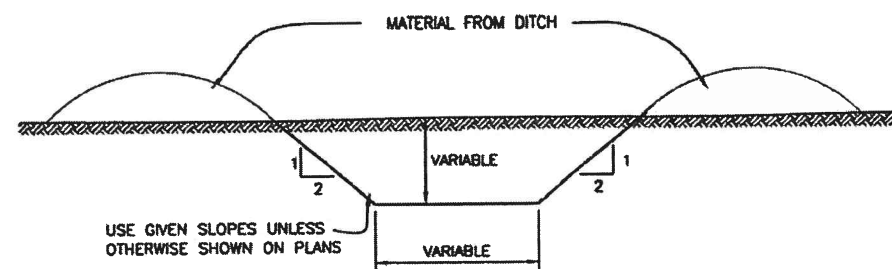
IN FILL IRRIGATION DITCH



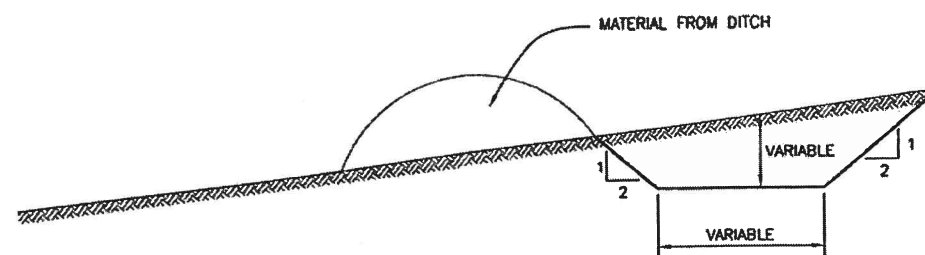
CONTOUR DITCH SECTION



DITCH & DIKE SECTION



IN CUT IRRIGATION DITCH



CONTOURED DITCH & DIKE SECTION

GENERAL NOTES

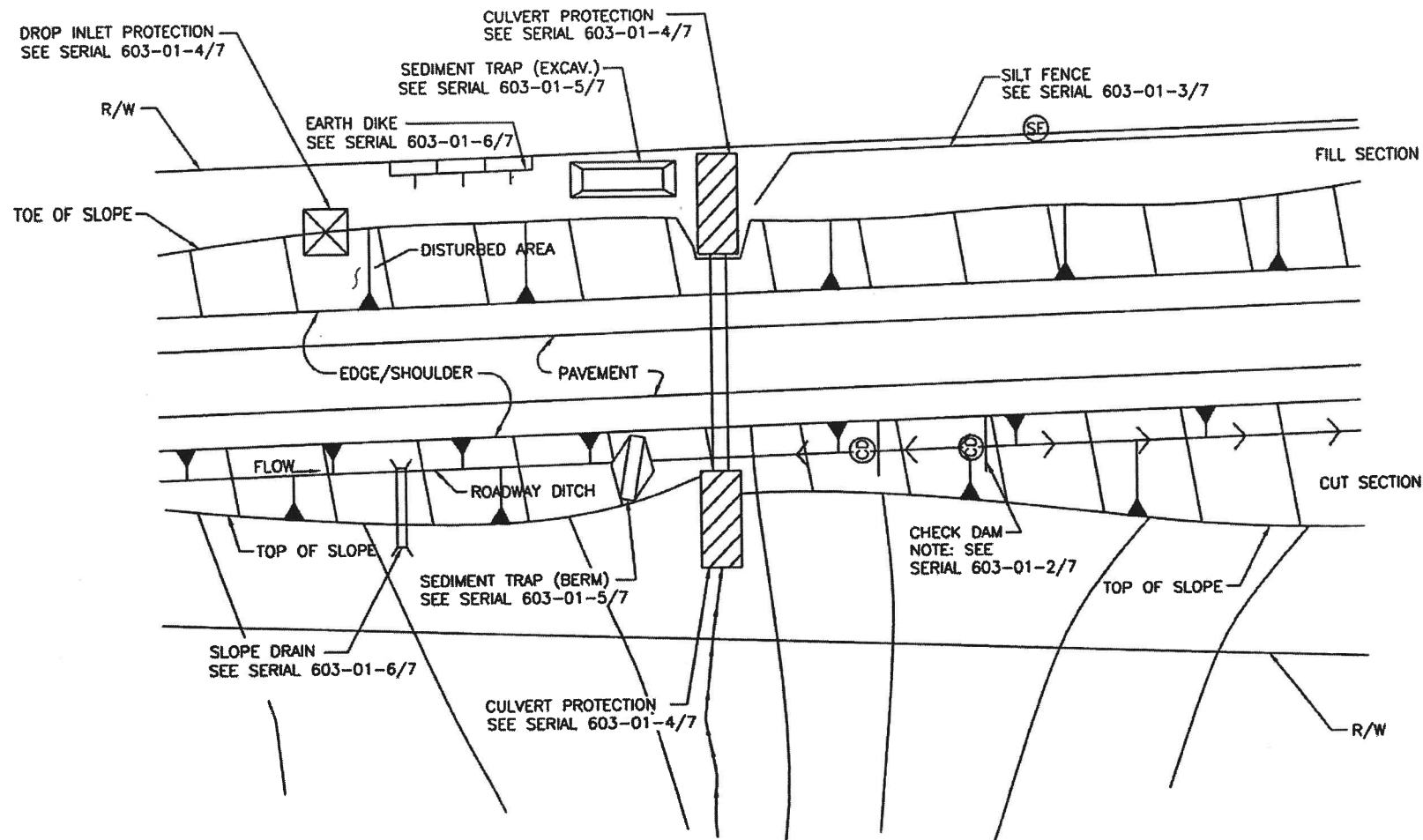
1. EXCAVATION FROM DITCHES TO BE USED AS SHOWN ON THE PLANS OR DESIGNATED BY THE PROJECT MANAGER.
2. MATERIAL FOR DIKES TO BE EXCAVATED FROM LOCATIONS DESIGNATED BY THE PROJECT MANAGER.
3. THE SECTIONS ARE NOT TO BE USED WITHIN THE CLEAR ROADSIDE RECOVERY AREA.

| NO.   | DATE | REV. BY | DESCRIPTION    |
|---|------|---------|----------------|
| REVISIONS ( OR CHANGE NOTICES )   |      |         |                |
| <b>NEW MEXICO</b><br><b>DEPARTMENT OF TRANSPORTATION</b><br><b>STANDARD DRAWING</b><br><b>MISCELLANEOUS DRAINAGE</b><br><b>STANDARD DITCH AND DIKE</b><br><b>CONTOUR DITCH AND</b><br><b>IRRIGATION DITCH</b> |      |         |                |
| APPROVED <i>Raymundo Van Hoven</i>  |      |         | DATE 11/29/04  |
| DESIGNED BY _____   |      |         | DRAWN BY _____ |
| CHECKED BY _____  |      |         |                |
| 203-01-1/1  |      |         |                |

# 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 PLATING USED IN THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THESE SHEETS SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES 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 WORK 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.
8. STRAW BALES ARE NOT INTENDED FOR USE ON NEW MEXICO DEPARTMENT OF TRANSPORTATION PROJECTS.



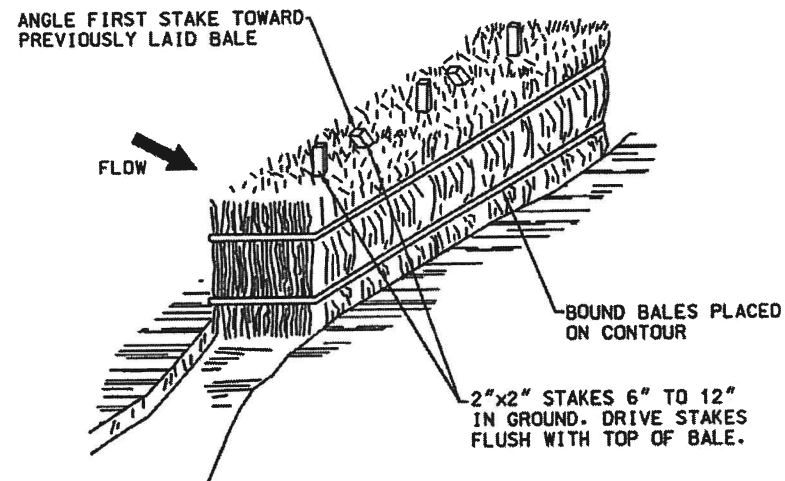
**TYPICAL USAGE OF SELECTED EROSION AND SEDIMENT CONTROL MEASURES**

### STANDARD SYMBOLS FOR EROSION AND SEDIMENT CONTROL MEASURES

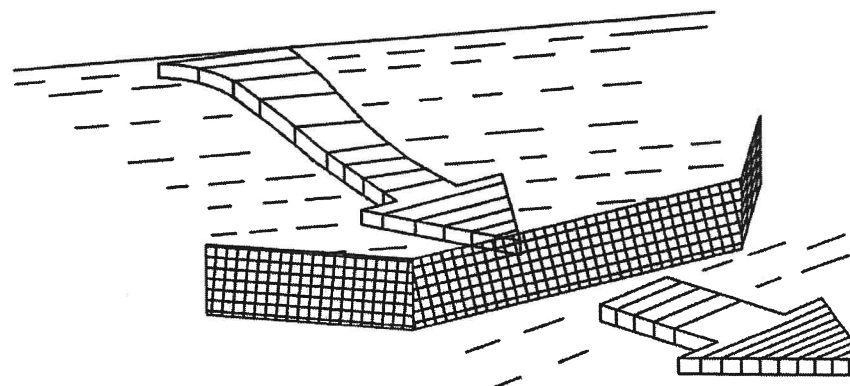
|                           |  |                       |  |                                 |  |
|---------------------------|--|-----------------------|--|---------------------------------|--|
| SILT FENCE                |  | PIPE SLOPE DRAIN      |  | SEDIMENT TRAP, BERM             |  |
| STRAW BALE                |  | DROP INLET PROTECTION |  | SEDIMENT TRAP, EXCAVATED        |  |
| EARTH DIKE                |  | CULVERT PROTECTION    |  | SEDIMENT BASIN                  |  |
| DIVERSION CHANNEL (SWALE) |  | CHECK DAM             |  | TRIANGULAR SEDIMENT FILTER DIKE |  |

| NO.   | DATE | REV. BY | DESCRIPTION          |
|---|------|---------|----------------------|
| REVISIONS ( OR CHANGE NOTICES )                                 |      |         |                      |
| <b>NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING</b> |      |         |                      |
| <b>TEMPORARY EROSION &amp; SEDIMENT CONTROL MEASURES</b>        |      |         |                      |
| APPROVED <i>Raymundo Van Tolven</i>                             |      |         | DATE <i>11/29/09</i> |
| DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____               |      |         |                      |
| 603-01-1/7  |      |         | SERIAL 1 OF 7        |

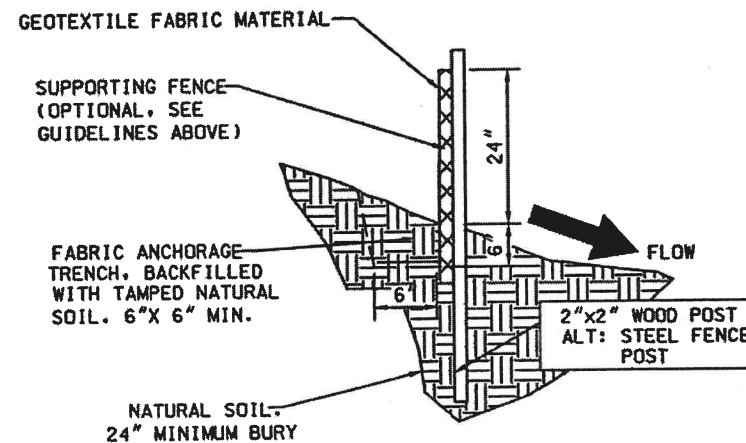
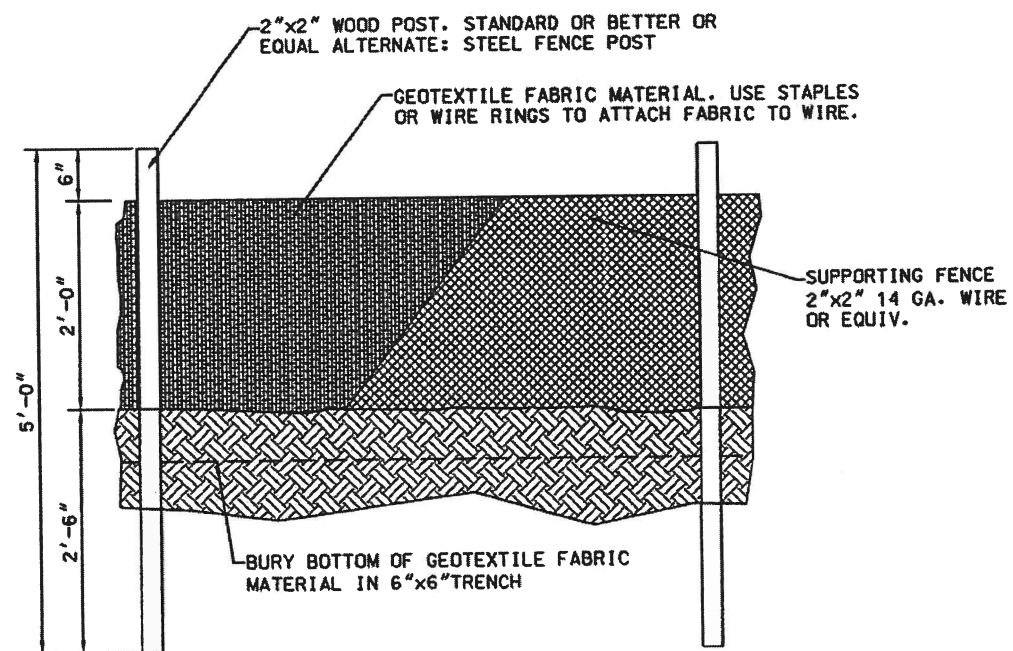




**TYPE II  
STRAW BALE OPTION**



**TYPE I  
SILT FENCE**



**NOTES: SILT FENCE AND CHECK DAM**

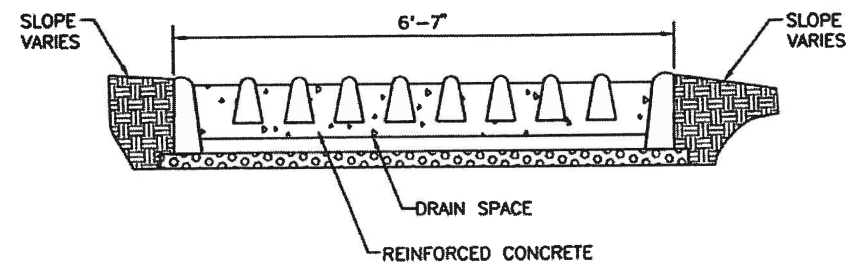
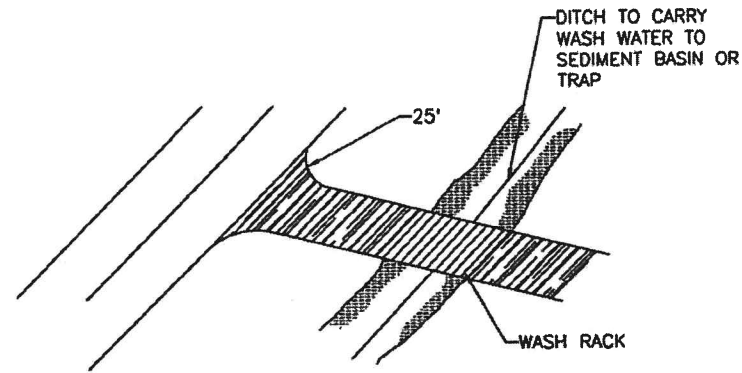
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE POST SPACING FOR SILT FENCES TO MINIMIZE MAINTENANCE.

1. POST SPACING SHALL BE 4 FT. MAXIMUM WITHOUT SUPPORTING FENCE, 10 FT. MAXIMUM WITH SUPPORTING FENCE.
2. POSTS FOR 4 FT. MAXIMUM POST SPACING SHALL BE 2 INCH SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS, OR STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 2 LBS. PER. LINEAR FOOT.

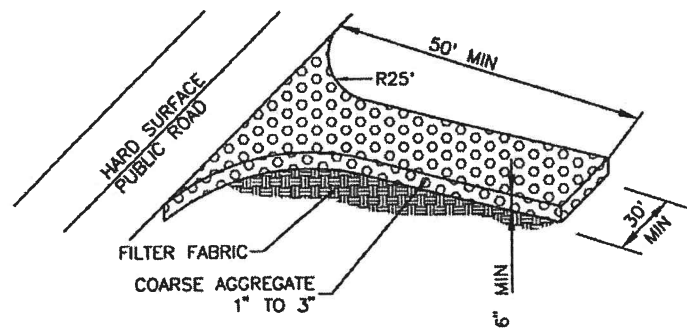
POSTS FOR 10 FT. MAXIMUM POST SPACING SHALL BE 4 INCH SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS, OR STEEL POSTS AS SPECIFIED ABOVE.

3. SUPPORTING FENCE SHALL BE WIRE MESH (14 GA. MIN., 1 INCH MAX. MESH OPENINGS), SNOW FENCE, PLASTIC FENCE OR APPROVED.
4. SUPPORTING FENCE SHALL BE FASTENED SECURELY TO POSTS WITH STAPLES OR WIRE TIES. GEOTEXTILE FABRIC SHALL BE FASTENED SECURELY TO SUPPORTING FENCE WITH WIRE TIES SPACED AT 2 FT. CENTERS ALONG THE TOP AND MID-SECTION. WHEN A SUPPORTING FENCE IS NOT USED, GEOTEXTILE FABRIC SHALL BE SECURELY FASTENED TO POSTS WITH STAPLES OR WIRE TIES.
5. WHEN SILT FENCE IS USED FOR CHECK DAMS INSTALLED IN DITCHES, A SUPPORTING FENCE SHALL BE PROVIDED, WITH MAXIMUM POST SPACING OF 10 FT.
6. STANDARD "T" OR "U" SECTION STEEL POSTS SHALL NOT BE USED WITHIN THE CONSTRUCTION CLEAR ZONE RECOVERY AREA.
7. STRAW BALES ARE NOT INTENDED FOR USE ON NEW MEXICO DEPARTMENT OF TRANSPORTATION PROJECTS.

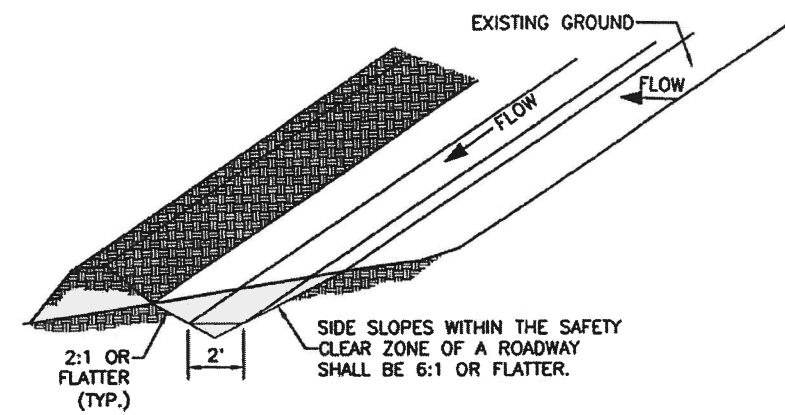
| NO.   | DATE                      | REV. BY    | DESCRIPTION |
|---|---------------------------|------------|-------------|
| REVISIONS ( OR CHANGE NOTICES )   |                           |            |             |
| <b>NEW MEXICO<br/>DEPARTMENT OF TRANSPORTATION<br/>STANDARD DRAWING</b>     |                           |            |             |
| <b>TEMPORARY EROSION &amp; SEDIMENT<br/>CONTROL MEASURES<br/>SILT FENCE</b> |                           |            |             |
| APPROVED  | <i>Raymundo Van Hoven</i> |            | 11/29/09    |
|   | DESIGN ENGINEER           |            | DATE        |
| DESIGNED BY   | DRAWN BY                  | CHECKED BY |             |
| 603-01-3/7  |                           |            |             |



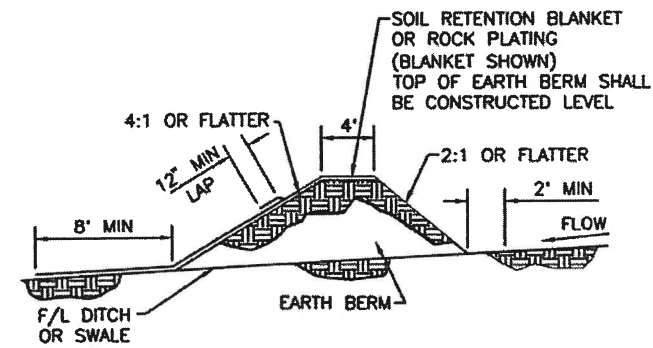
WASH RACK



OFFSITE TRACKING PREVENTION



TYPICAL SWALE CONFIGURATION



FILTER FABRIC DIVERSION DIKE

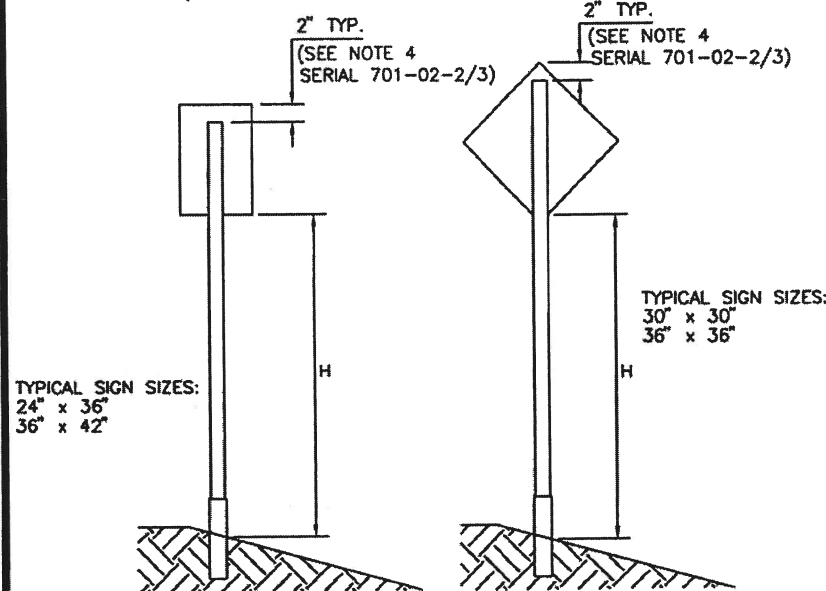
DIVERSION DIKE

| NO.  | DATE                      | REV. BY    | DESCRIPTION  |
|--|---------------------------|------------|--------------|
| REVISIONS ( OR CHANGE NOTICES )  |                           |            |              |
| <b>NEW MEXICO</b><br><b>DEPARTMENT OF TRANSPORTATION</b><br><b>STANDARD DRAWING</b>    |                           |            |              |
| <b>T.E.S.C.M.</b><br><b>OFFSITE TRACKING</b><br><b>PREVENTION &amp; DIVERSION DIKE</b> |                           |            |              |
| APPROVED   | <i>Raymundo Van Hoven</i> |            | 11/24/09     |
|  | DESIGN ENGINEER           |            | DATE         |
| DESIGNED BY  | DRAWN BY                  | CHECKED BY |              |
| 603-01-7/7   |                           |            | SHEET 7 OF 7 |

12-4

### SINGLE POST INSTALLATION

(TOTAL SIGN AREA NOT TO EXCEED 10.5 SQ. FT.)



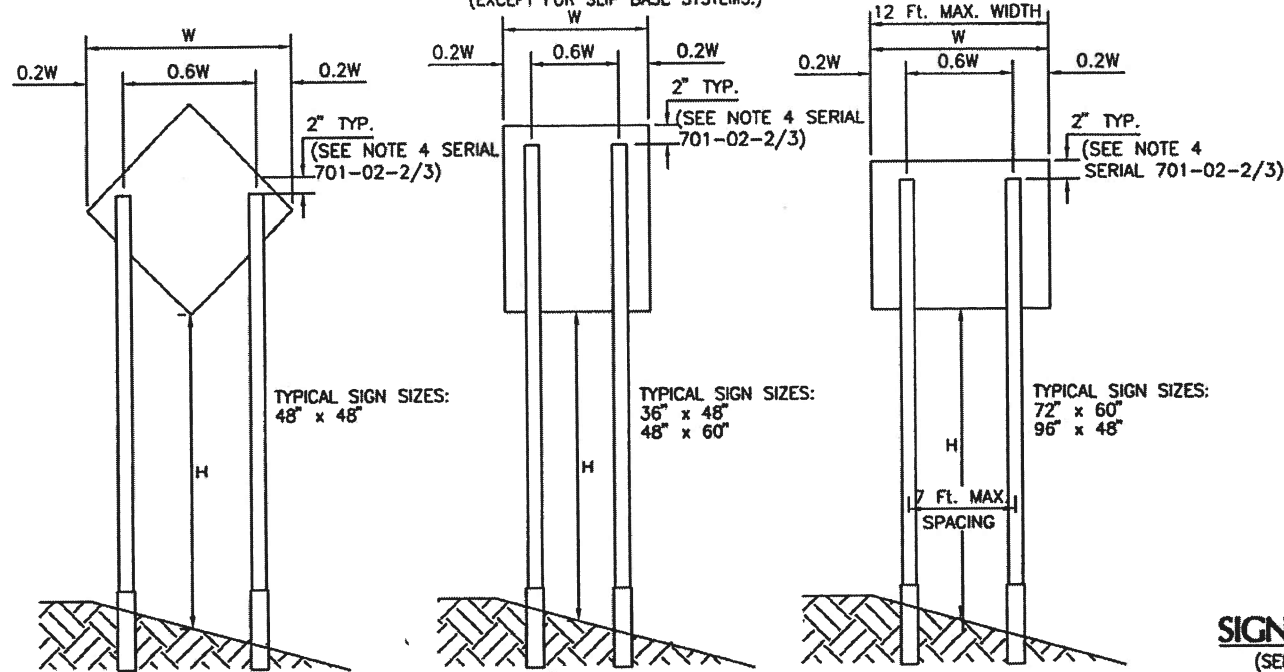
### SIGN POST REQUIREMENTS

(SEE NOTES 1 & 3, SHT. 701-02-2/3)

| POST TYPE     | POST SIZE              | MAX. CLEAR HEIGHT, H (FT.) | MAX. SIGN AREA (SQ. FT.) |
|---------------|------------------------|----------------------------|--------------------------|
| SQUARE TUBING | 1.75" X 1.75" (12 GA.) | 9                          | 5                        |
| SQUARE TUBING | 1.75" X 1.75" (12 GA.) | 8                          | 6                        |
| SQUARE TUBING | 1.75" X 1.75" (12 GA.) | 7                          | 7                        |
| SQUARE TUBING | 2.00" X 2.00" (12 GA.) | 9                          | 8                        |
| SQUARE TUBING | 2.00" X 2.00" (12 GA.) | 8                          | 9                        |
| SQUARE TUBING | 2.00" X 2.00" (12 GA.) | 7                          | 10                       |
| SQUARE TUBING | 2.25" X 2.25" (12 GA.) | 9                          | 10.5                     |
| SQUARE TUBING | 2.25" X 2.25" (12 GA.) | 10                         | 10.5                     |

### DOUBLE POST INSTALLATION

(TOTAL SIGN AREA NOT TO EXCEED 30 SQ. FT.)  
(EXCEPT FOR SLIP BASE SYSTEMS.)



### SIGN POST REQUIREMENTS

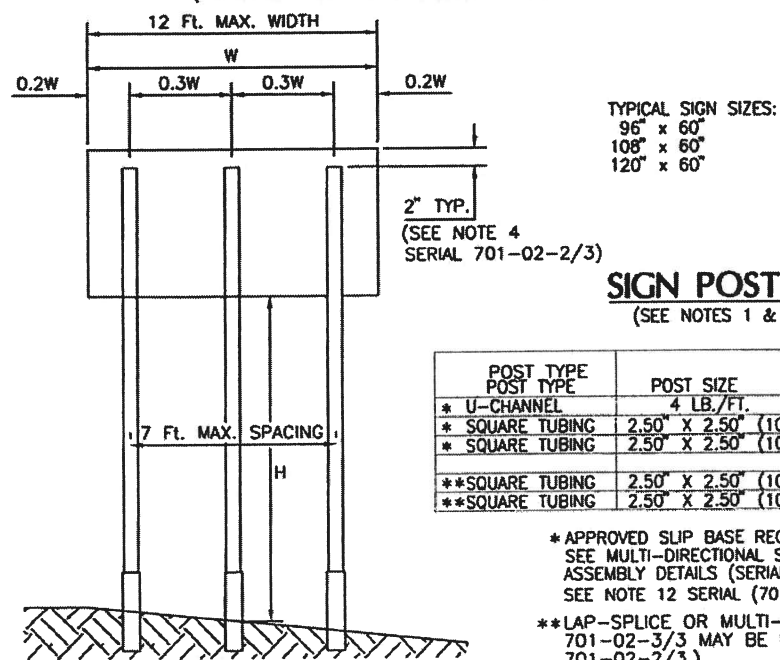
(SEE NOTES 1 & 2, SERIAL 701-02-2/3)

| POST TYPE       | POST SIZE              | MAX. CLEAR HEIGHT, H (FT.) | MAX. SIGN AREA (SQ. FT.) |
|-----------------|------------------------|----------------------------|--------------------------|
| SQUARE TUBING   | 2.00" X 2.00" (12 GA.) | 11                         | 13                       |
| SQUARE TUBING   | 2.00" X 2.00" (12 GA.) | 9                          | 15                       |
| SQUARE TUBING   | 2.00" X 2.00" (12 GA.) | 8                          | 16                       |
| SQUARE TUBING   | 2.25" X 2.25" (12 GA.) | 7                          | 20                       |
| * U-CHANNEL     | 4 LB./FT.              | 11                         | 25                       |
| * U-CHANNEL     | 4 LB./FT.              | 9                          | 30                       |
| * SQUARE TUBING | 2.50" X 2.50" (10 GA.) | 7                          | 36                       |

\* APPROVED SLIP BASE REQUIRED WITH THIS INSTALLATION  
SEE MULTI-DIRECTIONAL SLIP BASE ASSEMBLY DETAILS (SERIAL 701-02-3/3)  
SEE NOTE 12 SERIAL (701-02-2/3)

### TRIPLE POST INSTALLATION

(TOTAL SIGN AREA NOT TO EXCEED 50 SQ. FT.)



### SIGN POST REQUIREMENTS

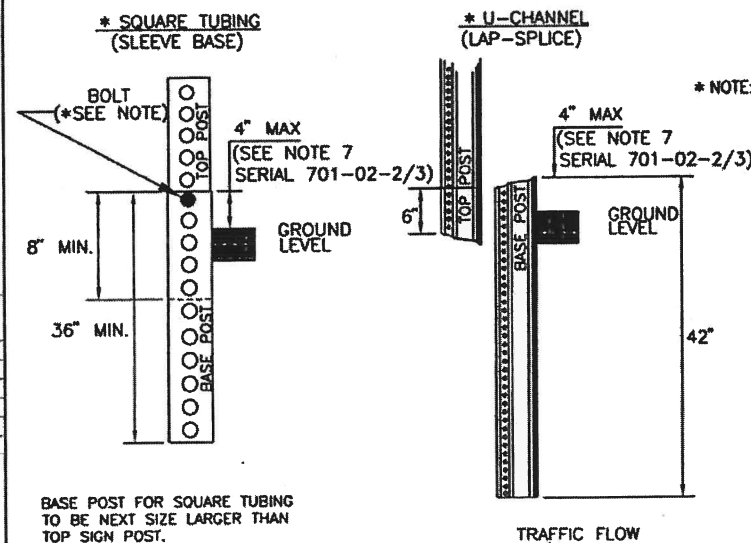
(SEE NOTES 1 & 2, SERIAL 701-02-2/3)

| POST TYPE       | POST SIZE              | MAX. CLEAR HEIGHT, H (FT.) | MAX. SIGN AREA (SQ. FT.) |
|-----------------|------------------------|----------------------------|--------------------------|
| * U-CHANNEL     | 4 LB./FT.              | 11                         | 36                       |
| * SQUARE TUBING | 2.50" X 2.50" (10 GA.) | 9                          | 45                       |
| * SQUARE TUBING | 2.50" X 2.50" (10 GA.) | 7                          | 50                       |
| **SQUARE TUBING | 2.50" X 2.50" (10 GA.) | 11                         | 36                       |
| **SQUARE TUBING | 2.50" X 2.50" (10 GA.) | 9                          | 45                       |

\* APPROVED SLIP BASE REQUIRED WITH THIS INSTALLATION  
SEE MULTI-DIRECTIONAL SLIP BASE ASSEMBLY DETAILS (SERIAL 701-02-3/3)  
SEE NOTE 12 SERIAL (701-02-2/3)  
\*\*LAP-SPLICE OR MULTI-DIRECTIONAL SLIP BASE (SERIAL 701-02-3/3) MAY BE USED. SEE NOTE 12 (SERIAL 701-02-2/3.)

### BASE POST INSTALLATION DETAILS FOR SQUARE TUBING AND U-CHANNEL SYSTEMS

(SEE SERIAL 701-02-3/3 FOR MULTI-DIRECTIONAL SLIP BASE SYSTEMS)



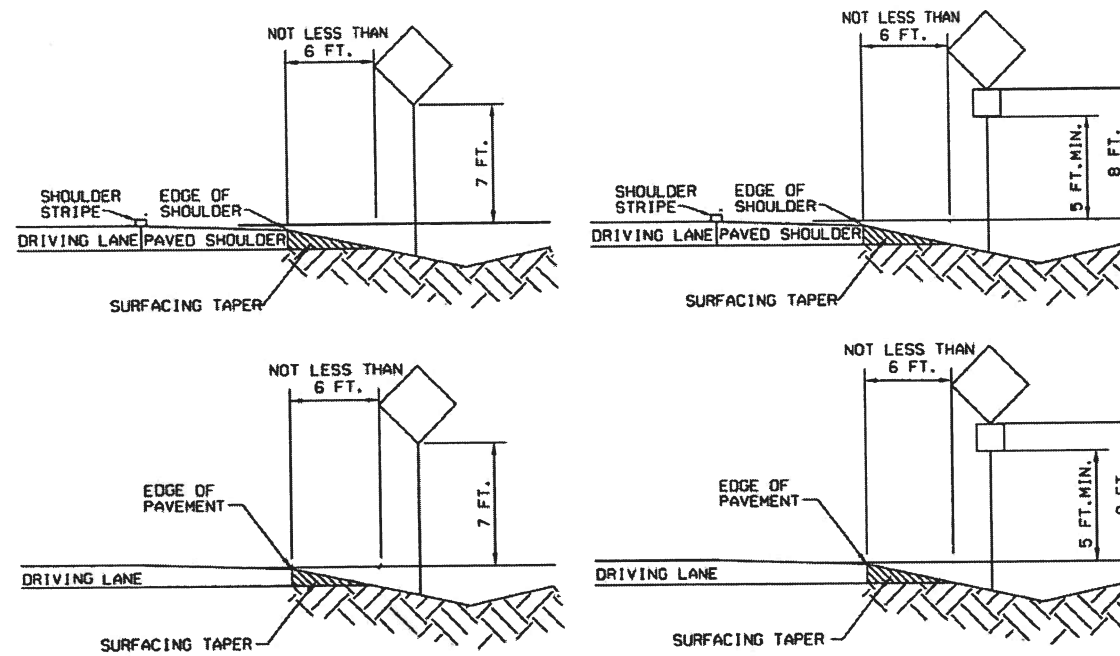
BASE POST FOR SQUARE TUBING TO BE NEXT SIZE LARGER THAN TOP SIGN POST.

| NO.   | DATE            | REV. BY    | DESCRIPTION     |
|---|-----------------|------------|-----------------|
| REVISIONS ( OR CHANGE NOTICES )                                 |                 |            |                 |
| <b>NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING</b> |                 |            |                 |
| <b>SMALL SIGN SUPPORT INSTALLATION DETAILS</b>                  |                 |            |                 |
| APPROVED  | DESIGN ENGINEER |            | 1-11-05<br>DATE |
| DESIGNED BY   | DRAWN BY        | CHECKED BY |                 |
| 701-02-1/3 SHEET 1 OF 3   |                 |            |                 |

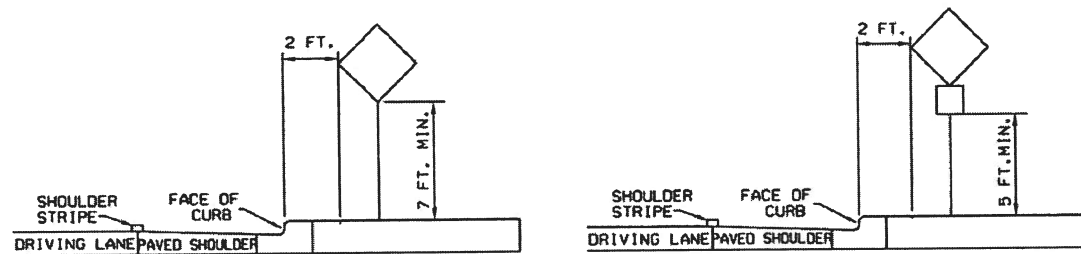
# HORIZONTAL AND VERTICAL CLEARANCES

(SEE NOTE 9)

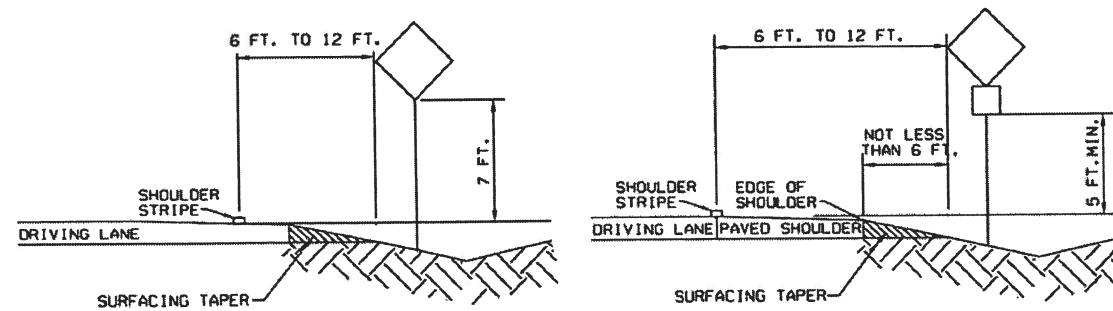
## FREEWAYS/EXPRESSWAYS & RURAL AREAS



## URBAN (BUSINESS, COMMERCIAL, & RESIDENTIAL AREAS) CONSTRUCTION ZONES IN URBAN AREAS



## CONSTRUCTION ZONES IN FREEWAYS/EXPRESSWAYS AND RURAL AREAS



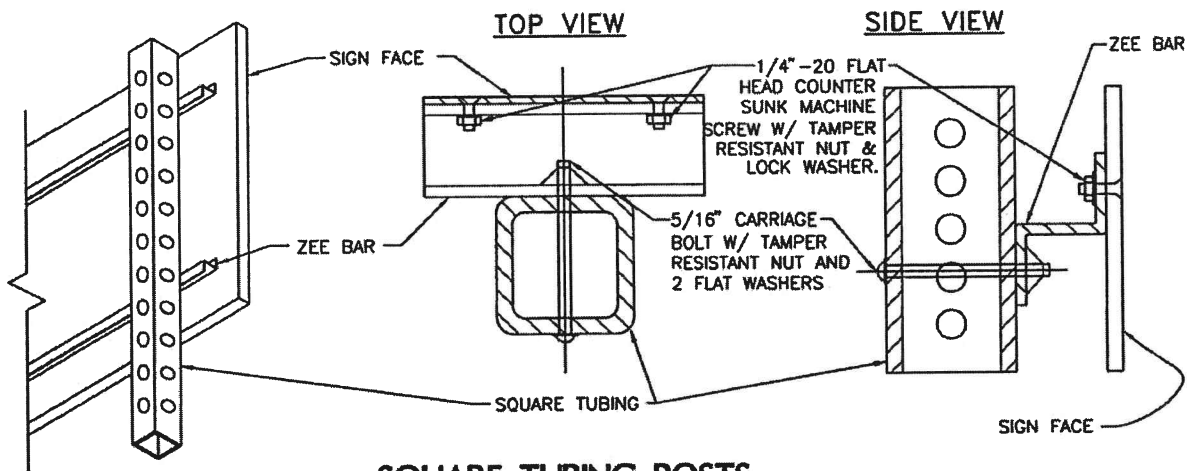
### GENERAL NOTES:

1. ALL SQUARE TUBING SIGN POST REQUIREMENTS ARE BASED ON A 10 OR 12 GAUGE THICKNESS, ASTM A570 GRADE 50 STEEL, A MINIMUM YIELD STRENGTH OF 60,000 PSI AND A 70 MPH WIND LOAD. ALL U-CHANNEL SIGN POSTS REQUIREMENTS ARE BASED ON A MINIMUM YIELD STRENGTH OF 80,000 PSI AND 85 MPH WIND LOAD. SEE THE MUTCD & STANDARD HIGHWAY SIGNS MANUAL (CURRENT EDITION) FOR FURTHER GUIDANCE.
2. FOR CONSTRUCTION SIGNING & PERMANENT SINGLE AND TRIPLE POST INSTALLATIONS, SMALLER POST CROSS SECTIONS MAY BE USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND THE RECOMMENDATIONS DETAILED IN NOTE 1.
3. TOP EDGE OF POSTS SHALL NOT EXTEND PAST TOP EDGE OF SIGN.
4. STEEL POSTS, BASE POSTS, AND SLIP BASES FOR ALUMINUM PANEL SIGNS SHALL BE SELECTED FROM THE DEPARTMENT'S APPROVED PRODUCT LIST. ALL SIGNS MOUNTED WITHIN THE CLEAR ZONE SHALL BE MOUNTED ON A NCHRP REPORT 350 APPROVED SIGN POST/BASE POST BREAKAWAY SYSTEM UNLESS INSTALLATION IS LOCATED BEHIND A NON-GATING LONGITUDINAL BARRIER. OTHER INSTALLATIONS, CONFIGURATIONS OR SYSTEMS NOT SHOWN MAY BE USED AS RECOMMENDED BY THE MANUFACTURER WITH APPROVAL OF THE DISTRICT TRAFFIC ENGINEER.
5. FOR INSTALLATIONS ON WEAK (SOFT) SOIL, SOIL PLATES SHALL BE USED AS RECOMMENDED BY THE MANUFACTURER. PAYMENT FOR SOIL PLATES SHALL BE INCIDENTAL TO THE SIGN INSTALLATION.
6. BASE POSTS SHALL NOT EXTEND MORE THAN 4" ABOVE GROUND LEVEL AND SHALL BE OF THE SAME WEIGHT/GAUGE AND TYPE AS THE SIGN POST.
7. INTERMIXING OF U-CHANNEL AND SQUARE TUBING POSTS, POSTS OF DIFFERENT WEIGHTS/GAUGES OR PRODUCT BRANDS IS NOT ALLOWED EXCEPT WHERE RECOMMENDED BY THE MANUFACTURER.
8. HORIZONTAL CLEARANCES APPLY TO INSTALLATIONS ON LEFT AND RIGHT SIDE OF ROADWAY.
9. SUPPLEMENTAL SIGNS SHALL NOT BE ATTACHED DIRECTLY TO PRIMARY PANELS ON EITHER PERMANENT OR CONSTRUCTION SIGNING INSTALLATIONS.
10. SPACING BETWEEN SUPPLEMENTAL PANELS AND PRIMARY PANELS SHALL NOT EXCEED 6'.
11. SIGN PANELS PLACED PARALLEL TO TRAFFIC SHALL BE MOUNTED ON A MULTI-DIRECTIONAL BREAKAWAY SYSTEM. (SEE SERIAL 701-02-3/3)

| NO.  | DATE            | REV. BY      | DESCRIPTION |
|--|-----------------|--------------|-------------|
| REVISIONS ( OR CHANGE NOTICES )                                |                 |              |             |
| NEW MEXICO<br>DEPARTMENT OF TRANSPORTATION<br>STANDARD DRAWING |                 |              |             |
| SMALL SIGN SUPPORT<br>INSTALLATION DETAILS                     |                 |              |             |
| APPROVED   | DESIGN ENGINEER |              | DATE        |
| DESIGNED BY  | DRAWN BY        | CHECKED BY   |             |
| 701-02-2/3   |                 | SHEET 2 OF 3 |             |

**TYPICAL**

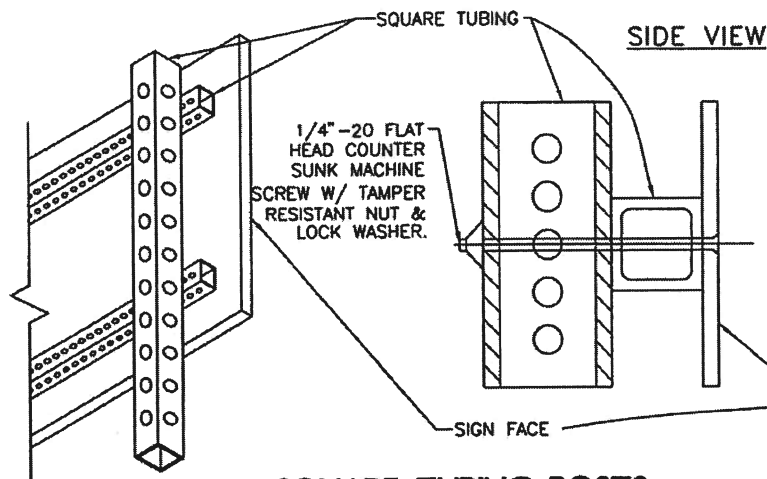
(SEE NOTES)



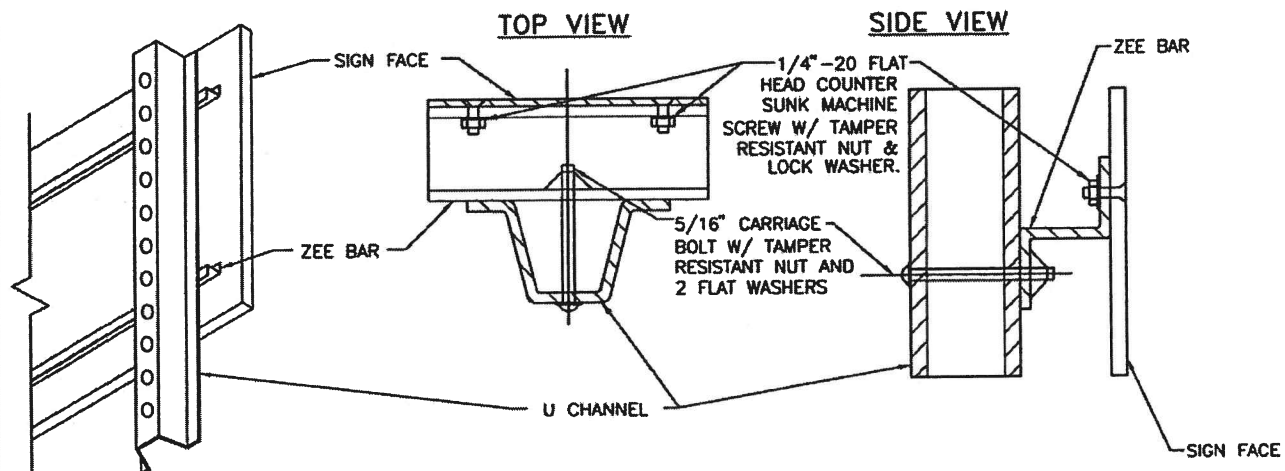
**SQUARE TUBING POSTS**

**ALTERNATE**

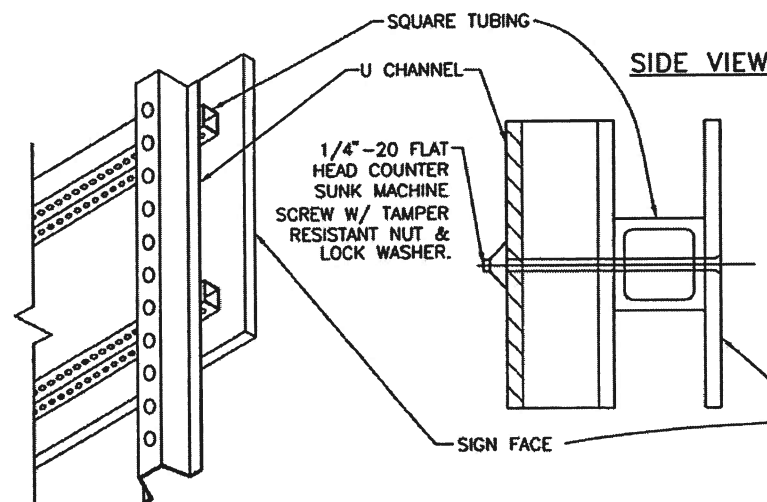
(SEE NOTES)



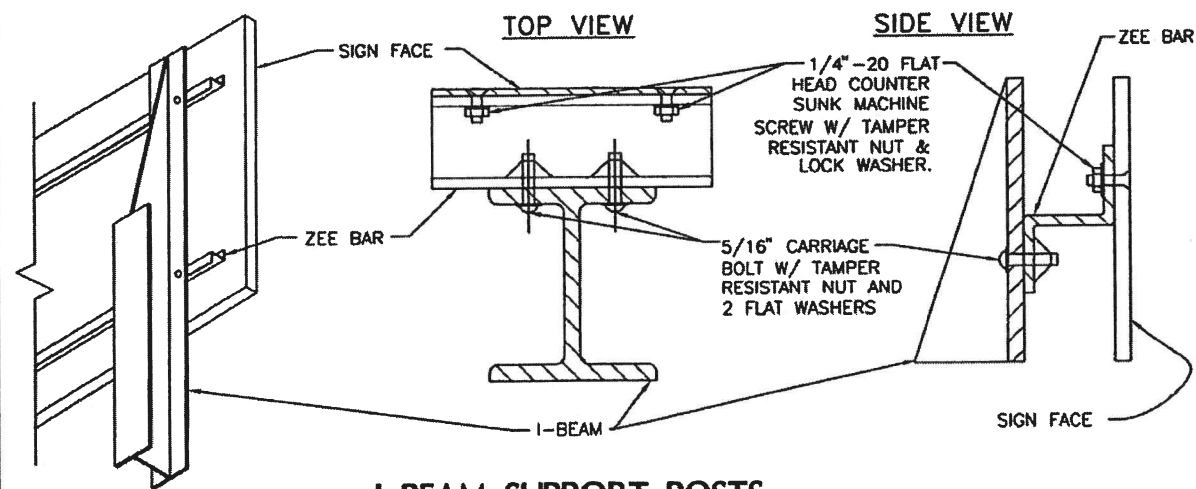
**SQUARE TUBING POSTS**



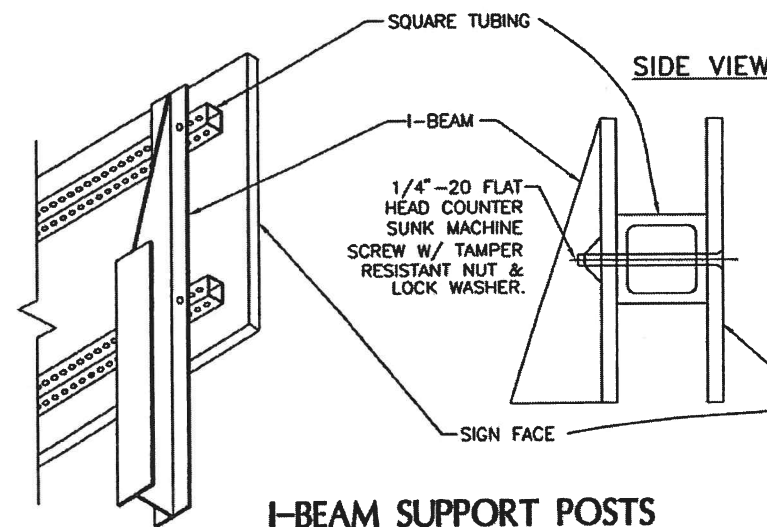
**U CHANNEL SUPPORT POSTS**



**U CHANNEL SUPPORT POSTS**



**I-BEAM SUPPORT POSTS**

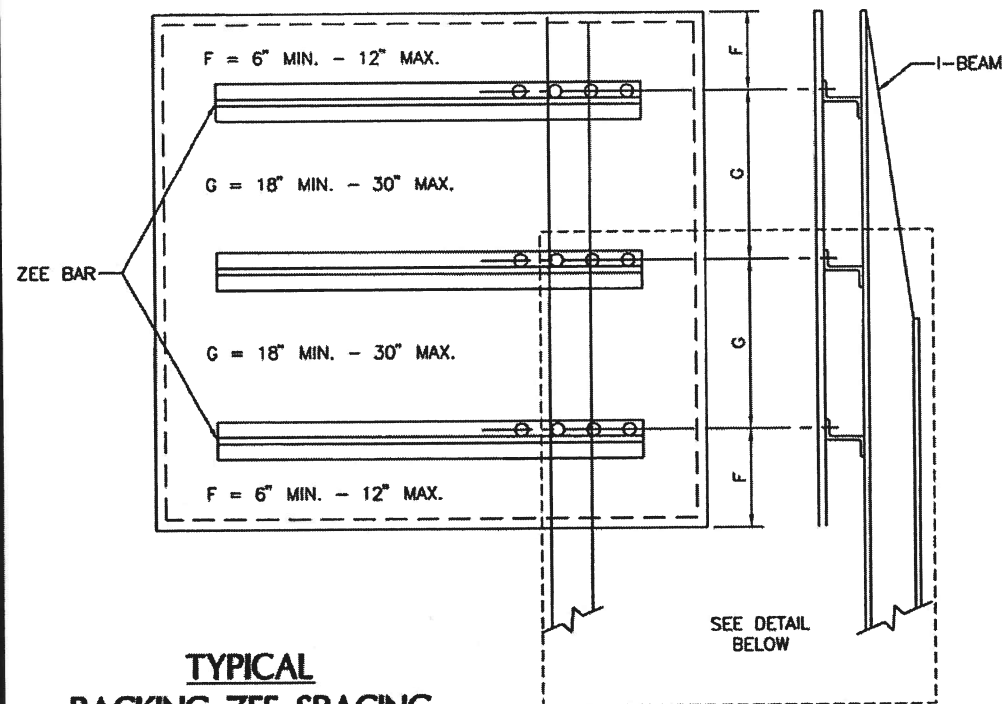


**I-BEAM SUPPORT POSTS**

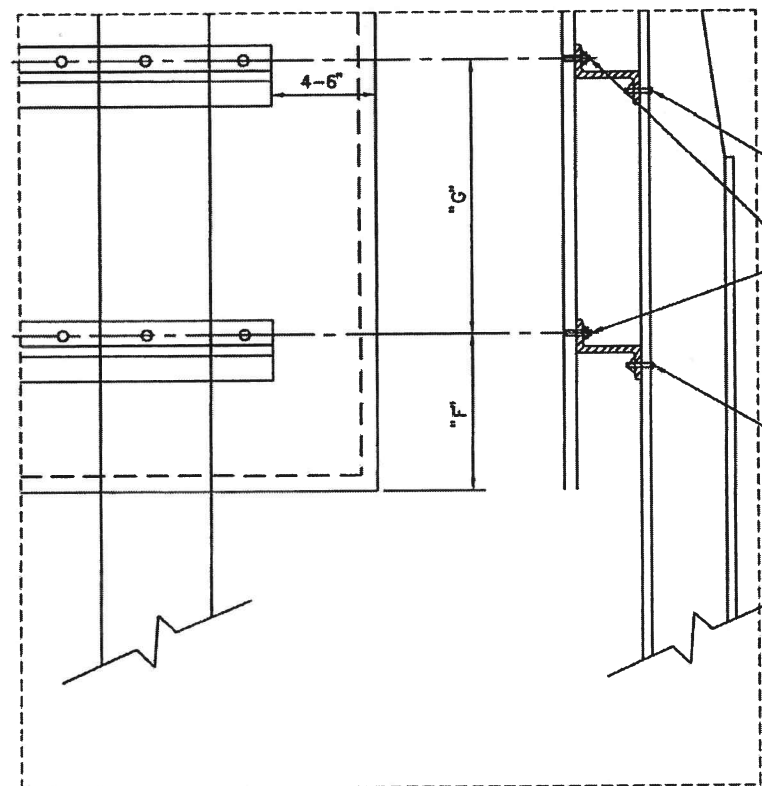
**GENERAL NOTES:**

1. BACKING ZEE SHALL BE ALUMINUM ALLOY 6061-T6. EACH ZEE SHALL BE PROVIDED WITH A 9/16" X 2" HORIZONTAL SLOT FOR EACH POST MOUNTING BOLT.
2. BACKING ZEE SHALL BE FASTENED TO THE SIGN BLANK WITH 1/4" - 20 X 3/4" FLAT HEAD COUNTER SUNK MACHINE SCREWS WITH NUT AND LOCK WASHER (CADMIUM OR GALVANIZED OR 2024-T4 ALUMINUM-ALLOY) FASTENERS AT 9" +/- 1/2" INTERVALS.
3. BACKING ZEE WITH SIGN FACES SHALL BE FASTENED TO THE SIGN SUPPORT POST WITH 5/16" CARRIAGE BOLT, TAMPER RESISTANT NUT & TWO WASHERS GALVANIZED OR CADMIUM PLATED TO ASTM B-766 SPECIFICATION.
4. BACKING ZEE IS NOT NEEDED WHERE SIGN IS TO BE MOUNTED ON ONE POST AND IS APPROXIMATELY TEN AND A HALF (10.5) SQUARE FEET OR LESS.
5. ALTERNATE BACKING MAY BE 1-1/2" PERFORATED SQUARE TUBING AND ASSOCIATED HARDWARE, DESCRIBED IN SERIAL 701-02-1/2 AND 701-02-2/2
6. ALUMINUM PANEL SIGNS UNDER 24" IN WIDTH SHALL BE 0.08" MINIMUM THICKNESS 6061-T6 OR 5052-H38 ALUMINUM ALLOY. ALUMINUM PANEL SIGNS 24" AND OVER IN WIDTH SHALL BE SINGLE SHEET 6061-T6 OR 5052-H38 ALUMINUM ALLOY 1/8" MINIMUM THICKNESS.
7. BACKING ZEES SHALL BE 3" X 2-3/4" X 1/4" AT 2.33 LBS. PER FT. FOR 6061-T6 ALUMINUM.
8. EXPOSED BOLT HEADS ON THE FACE OF THE SIGN SHALL BE COLORED AND REFLECTORIZED TO MATCH THE SURROUNDING COLOR.

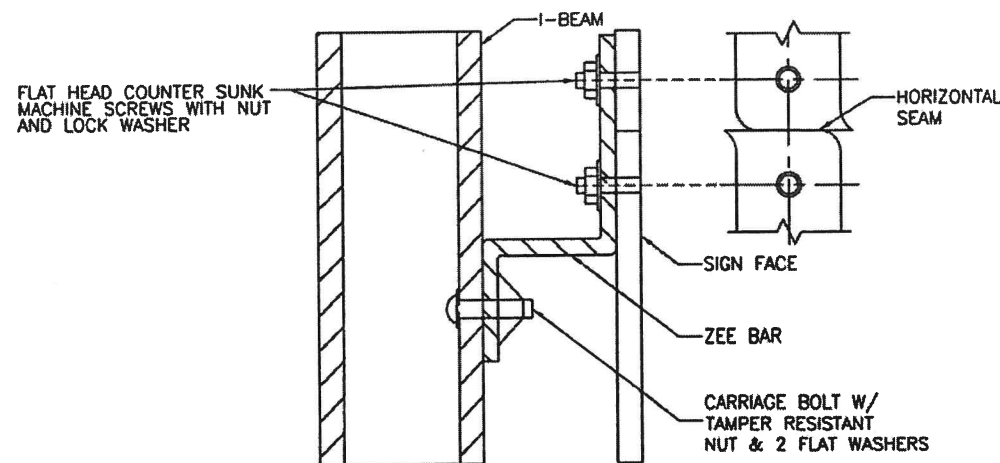
| NO.   | DATE | REV. BY      | DESCRIPTION |
|---|------|--------------|-------------|
| REVISIONS ( OR CHANGE NOTICES )   |      |              |             |
| <b>NEW MEXICO<br/>DEPARTMENT OF TRANSPORTATION<br/>STANDARD DRAWING</b> |      |              |             |
| <b>ALUMINUM SIGN PANEL DETAILS</b>                                      |      |              |             |
| APPROVED  |      |              | DATE        |
| DESIGNED BY   |      | DRAWN BY     | CHECKED BY  |
| 701-03-1/2  |      | SHEET 1 OF 2 |             |



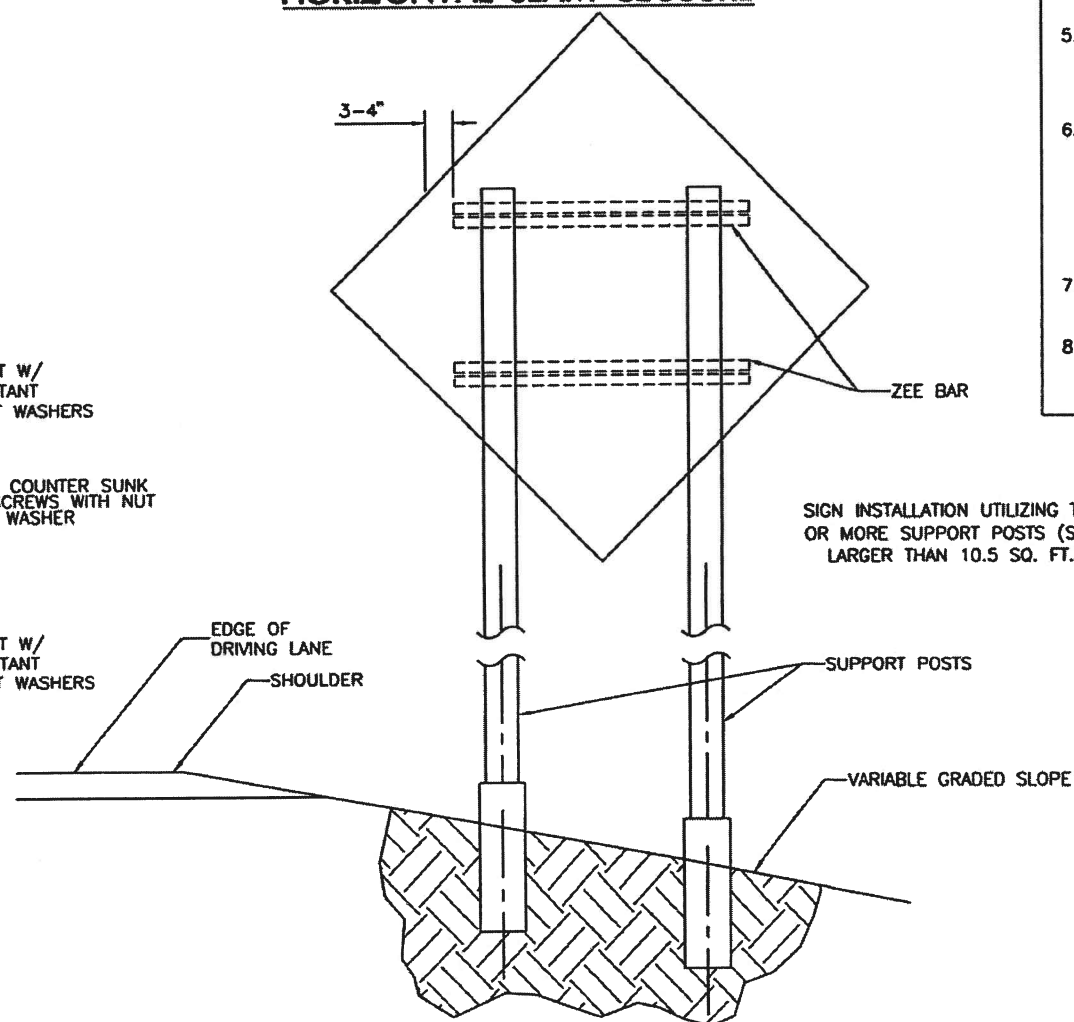
**TYPICAL  
BACKING ZEE SPACING**



**TYPICAL  
MOUNTING DETAIL**



**TYPICAL  
HORIZONTAL SEAM CLOSURE**

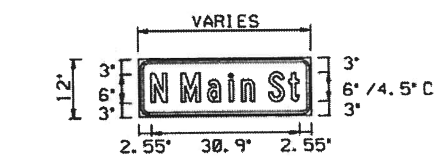


**TYPICAL  
ZEE BACKING FOR DIAMOND SHAPED SIGN**

**GENERAL NOTES:**

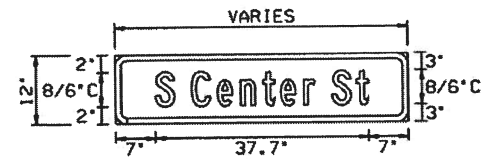
1. BACKING ZEE SHALL BE ALUMINUM ALLOY 6061-T6. EACH ZEE SHALL BE PROVIDED WITH A 9/16" X 2" HORIZONTAL SLOT FOR EACH POST MOUNTING BOLT.
2. BACKING ZEE SHALL BE FASTENED TO THE SIGN BLANK WITH 1/4" - 20 X 3/4" FLAT HEAD COUNTER SUNK MACHINE SCREWS WITH NUT AND LOCK WASHER (CADMIUM OR GALVANIZED OR 2024-T4 ALUMINUM-ALLOY) FASTENERS AT 9" ± 1/2" INTERVALS.
3. BACKING ZEE WITH SIGN FACES SHALL BE FASTENED TO THE SIGN SUPPORT POST WITH 5/16" CARRIAGE BOLT, TAMPER RESISTANT NUT & TWO WASHERS GALVANIZED OR CADMIUM PLATED TO ASTM B-766 SPECIFICATION.
4. BACKING ZEE IS NOT NEEDED WHERE SIGN IS TO BE MOUNTED ON ONE POST AND IS APPROXIMATELY TEN AND A HALF (10.5) SQUARE FEET OR LESS.
5. ALTERNATE BACKING MAY BE 1-1/2" PERFORATED SQUARE TUBING AND ASSOCIATED HARDWARE, DESCRIBED IN SERIAL 701-02-1/2 AND 701-02-2/2
6. ALUMINUM PANEL SIGNS UNDER 24" IN WIDTH SHALL BE 0.08" MINIMUM THICKNESS 6061-T6 OR 5052-H38 ALUMINUM ALLOY. ALUMINUM PANEL SIGNS 24" AND OVER IN WIDTH SHALL BE 1/8" MINIMUM THICKNESS 6061-T6 OR 5052-H38 ALUMINUM ALLOY.
7. BACKING ZEES SHALL BE 3" X 2-3/4" X 1/4" AT 2.33 LBS. PER FT. FOR 6061-T6 ALUMINUM.
8. EXPOSED BOLT HEADS ON THE FACE OF THE SIGN SHALL BE COLORED AND REFLECTORIZED TO MATCH THE SURROUNDING COLOR.

| NO.   | DATE            | REV. BY    | DESCRIPTION     |
|---|-----------------|------------|-----------------|
| REVISIONS ( OR CHANGE NOTICES )   |                 |            |                 |
| <b>NEW MEXICO<br/>DEPARTMENT OF TRANSPORTATION<br/>STANDARD DRAWING</b> |                 |            |                 |
| <b>ALUMINUM PANEL SIGN DETAILS</b>                                      |                 |            |                 |
| APPROVED  | DESIGN ENGINEER |            | 1-11-05<br>DATE |
| DESIGNED BY   | DRAWN BY        | CHECKED BY |                 |
| 701-03-2/2  |                 |            | SHEET 2 OF 2    |



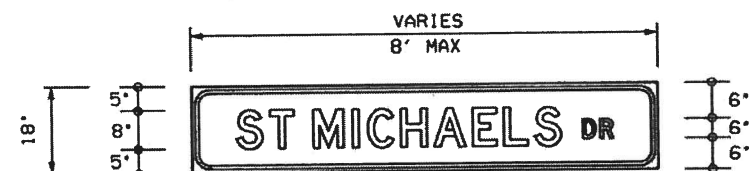
**D3-1-XX**  
STREET NAME SIGN  
W/G

LETTERING ON GROUND-MOUNTED STREET NAME SIGNS SHOULD BE AT LEAST 6" HIGH IN CAPITAL LETTERS OR 6" UPPER-CASE WITH 4.5 LOWER CASE LETTERS.



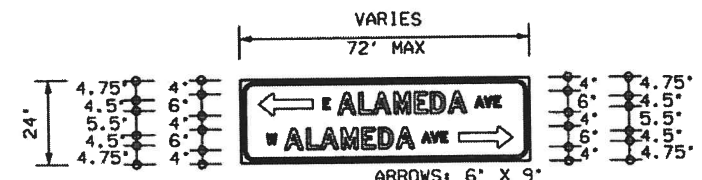
**D3-1-XX**  
STREET NAME SIGN  
W/G

FOR USE ON MULTI-LANE ROADWAYS WITH SPEEDS GREATER THAN 40 MPH  
LETTERING ON GROUND MOUNTED STREET NAME SIGNS SHOULD BE AT LEAST 8" HIGH IN CAPITAL LETTERS OR 8" UPPERCASE WITH 6" LOWER CASE LETTERS



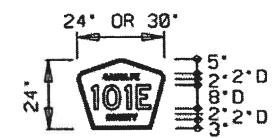
**D3-3-XX**  
MASTARM SIGN

MAX. TOTAL SIGN AREA - 12FT.  
(IF UPPER AND LOWER CASE LETTERS ARE USED, THEY SHALL BE 12" AND 9" RESPECTIVELY, HOWEVER OVERALL SIGN DIMENSIONS CAN NOT BE CHANGED)  
NOTE: LETTER TYPE AS APPROPRIATE (TYPE C OR D)  
W/G, RL - RB

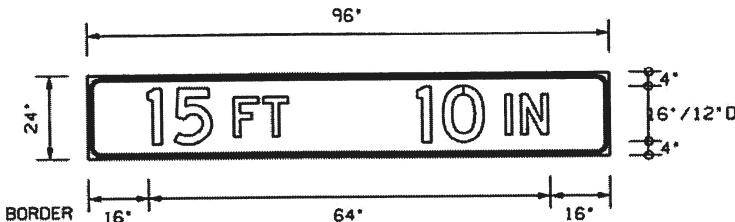


**D3-3A-XX**  
MASTARM SIGN

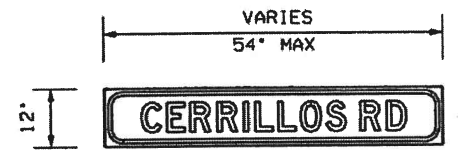
MAX. TOTAL SIGN AREA - 12FT.  
NOTE: LETTER TYPE AS APPROPRIATE (TYPE C OR D)  
W/G, RL - RB



**M1-6**  
COUNTY ROAD  
1 TO 2 DIGITS 24" X 24" SIZE  
3 TO 4 DIGITS 30" X 24" SIZE  
Y/BL, RL-RB



**W12-2A-96**  
BRIDGE CLEARANCE SIGN  
FOR STRUCTURES WITH CLEARANCES LESS THAN 16'-0" - B/FY, RB  
FOR STRUCTURES WITH CLEARANCES EQUAL TO OR GREATER THAN 16'-0" - W/G, RL-RB

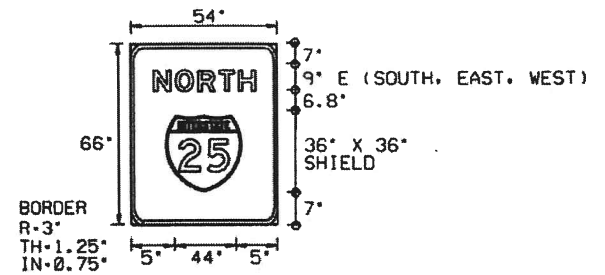


**\*W16-8-XX**  
MOUNTED BELOW 48" W2  
OR W3 WARNING SIGN  
NOTE: LETTER TYPE AS APPROPRIATE (TYPE C OR D)  
\*SEE SHS MANUAL FOR W16-8A SIGN  
B/FY, RB

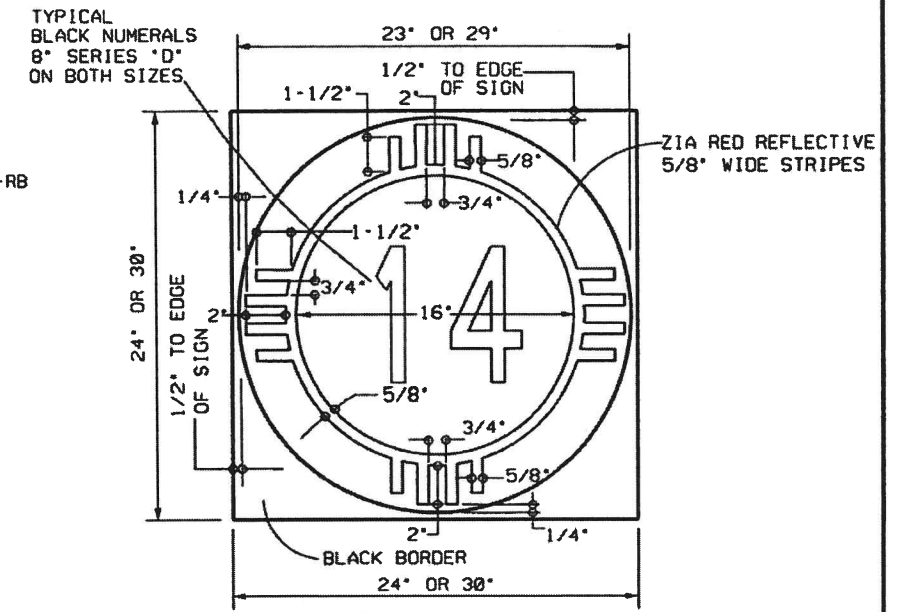


**W16-8B-XX**  
MOUNTED BELOW 36" W2  
OR W3 WARNING SIGN  
NOTE: LETTER TYPE AS APPROPRIATE (TYPE C OR D)  
B/FY, RB

- NOTES:
- SEE THE MUTCD & STANDARD HIGHWAY SIGNS MANUAL (CURRENT EDITIONS) FOR FURTHER GUIDANCE.
  - SIGNS TO BE SIZED IN 6" INCREMENTS.
  - PERIODS, COMMAS, ETC. SHOULD NOT BE USED.
  - CONVENTIONAL ABBREVIATIONS SHOULD BE USED EXCEPT FOR STREET & PLACE NAMES.
  - WHEN GIVEN THE OPTION FOR LETTER TYPE C OR D, D IS PREFERRED AS SPACE PERMITS.
  - THE DETAILS SHOWN ARE FOR INFORMATION ONLY. SEE PERMANENT SIGNING PLANS FOR PROJECT SPECIFIC SIGN FACE DETAILS.
  - SEE SHEET 701-15-2/2 FOR ABBREVIATION LEGEND.

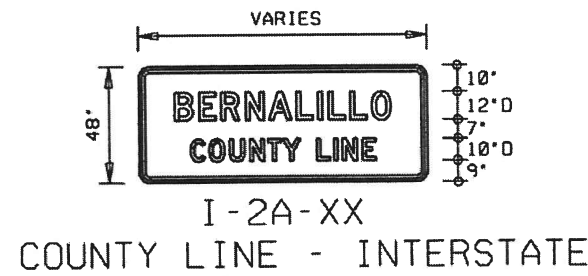


**M1-1A-54-XX**  
INTERSTATE ROUTE MARKER  
W/G, RL - RB  
SHIELD: W/BL - ROUTE NUMBER  
W/R - INTERSTATE

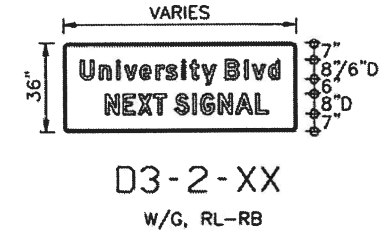
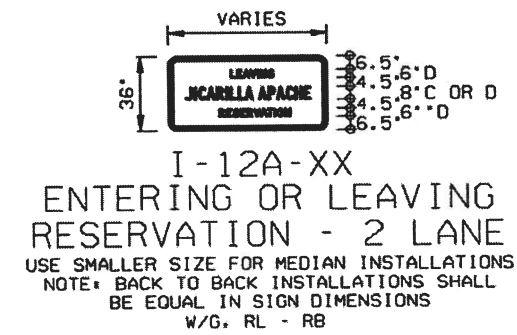
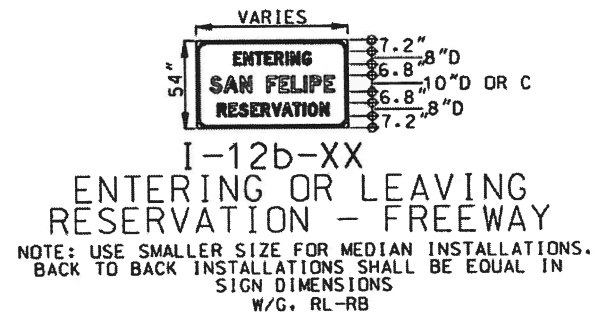
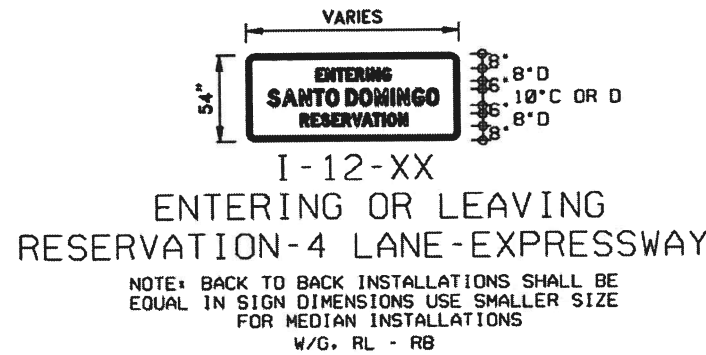
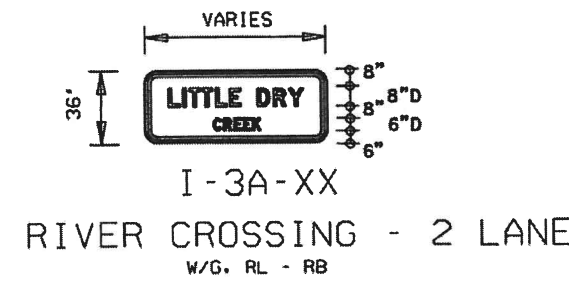
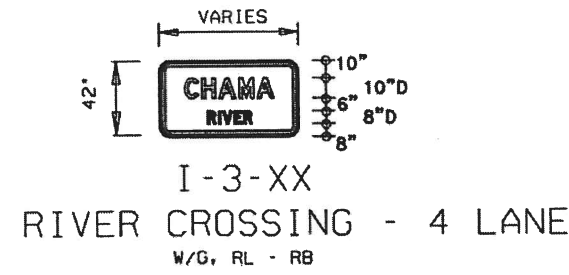
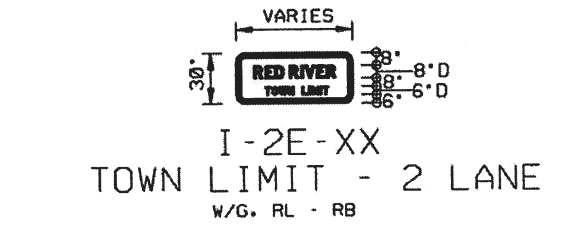
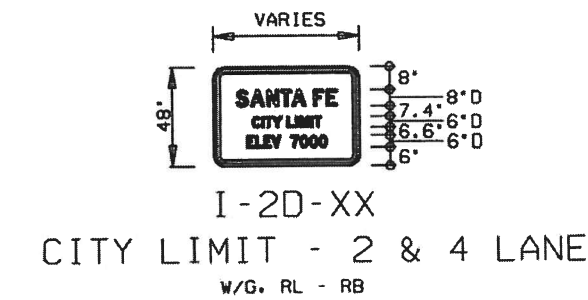
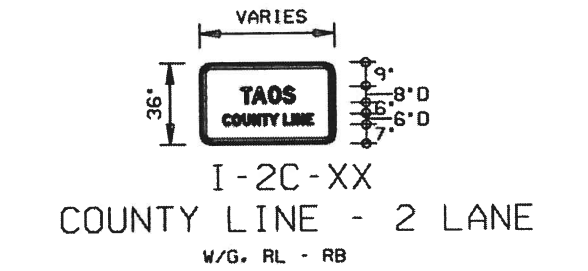
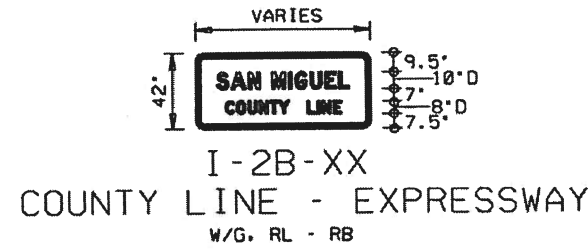


**M1-5-XX**  
STATE ROUTE MARKER  
1 TO 2 DIGITS 24" X 24" SIZE  
3 DIGITS 30" X 30" SIZE  
B/W

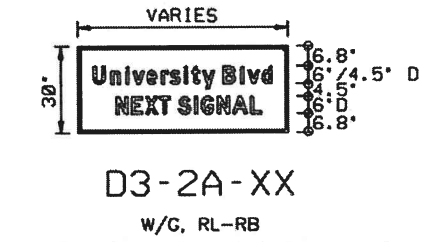
| NO.  | DATE | REV. BY         | DESCRIPTION |
|--|------|-----------------|-------------|
| REVISIONS ( OR CHANGE NOTICES )                                |      |                 |             |
| NEW MEXICO<br>DEPARTMENT OF TRANSPORTATION<br>STANDARD DRAWING |      |                 |             |
| MISCELLANEOUS SIGN<br>FACE DETAILS                             |      |                 |             |
| APPROVED   |      | DESIGN ENGINEER | DATE        |
| DESIGNED BY  |      | DRAWN BY        | CHECKED BY  |
| 701-15-1/2   |      | SHEET 1 OF 2    |             |



(USE SMALLER SIZE FOR MEDIAN INSTALLATIONS. BACK TO BACK INSTALLATIONS MUST BE EQUAL IN SIGN DIMENSIONS.)



(GROUND MOUNTED, FOR USE ON MULTI-LANE ROADWAYS WITH SPEEDS GREATER THAN 40 MPH, IF ALL UPPER CASE LETTERS ARE USED. THEY SHALL BE AT LEAST 8" HIGH OR 8" UPPERCASE WITH 6" LOWER CASE.)



(GROUND MOUNTED, LETTERING SHALL BE AT LEAST 6" HIGH CAPITAL LETTERS OR 6" UPPER CASE WITH 4.5 LOWER CASE LETTERS.)

| ABBREVIATION LEGEND |  |
|---------------------|--|
| W/G                 | WHITE LETTERING ON GREEN BACKGROUND                  |
| W/BL                | WHITE LETTERING ON BLUE BACKGROUND                   |
| W/R                 | WHITE LETTERING ON RED BACKGROUND                    |
| B/FY                | BLACK LETTERING ON FLOURESCENT YELLOW BACKGROUND     |
| B/Y                 | BLACK LETTERING ON YELLOW BACKGROUND                 |
| B/W                 | BLACK LETTERING ON WHITE BACKGROUND                  |
| Y/BL                | YELLOW LETTERING ON BLUE BACKGROUND                  |
| RL                  | REFLECTORIZED LETTERING                              |
| RB                  | REFLECTORIZED BACKGROUND                             |
| R                   | BORDER RADIUS  |
| TH                  | BORDER THICKNESS                                     |
| IN                  | WIDTH BETWEEN EDGE OF SIGN AND BORDER (BORDER INSET) |
| C                   | LETTER TYPE 'C'                                      |
| D                   | LETTER TYPE 'D'                                      |
| E                   | LETTER TYPE 'E'                                      |
| EM                  | LETTER TYPE 'E MODIFIED'                             |

| BORDER SPECIFICATIONS |        |        |
|-----------------------|--------|--------|
| SIGN HEIGHT           | BORDER | RADIUS |
| 0'-3'-6"              | 1 1/8" | 3"     |
| 4'-5'-6"              | 1 1/8" | 6"     |
| 6'-7'-6"              | 2"     | 9"     |
| 8' AND UP             | 3"     | 12"    |

NOTE: INSET = 0"

- NOTES:
- SEE THE MUTCD & STANDARD HIGHWAY SIGNS MANUAL (CURRENT EDITIONS) FOR FURTHER GUIDANCE.
  - SIGNS TO BE SIZED IN 6" INCREMENTS.
  - PERIODS, COMMAS, ETC, SHOULD NOT BE USED.
  - CONVENTIONAL ABBREVIATIONS SHOULD BE USED EXCEPT FOR STREET & PLACE NAMES.
  - WHEN GIVEN THE OPTION FOR LETTER TYPE C, OR D, D IS PREFERRED AS SPACE PERMITS.
  - THE DETAILS SHOWN ARE FOR INFORMATION ONLY. SEE PERMANENT SIGNING PLANS FOR PROJECT SPECIFIC SIGN FACE DETAILS.

| NO.  | DATE            | REV. BY      | DESCRIPTION |
|--|-----------------|--------------|-------------|
| REVISIONS ( OR CHANGE NOTICES )                                |                 |              |             |
| NEW MEXICO<br>DEPARTMENT OF TRANSPORTATION<br>STANDARD DRAWING |                 |              |             |
| MISCELLANEOUS SIGN<br>FACE DETAILS                             |                 |              |             |
| APPROVED   | DESIGN ENGINEER |              | DATE        |
| DESIGNED BY  | DRAWN BY        | CHECKED BY   |             |
| 701-15-2/2   |                 | SHEET 2 OF 2 |             |



**SIGN FACE DETAILS**

**FOR CONSTRUCTION / MAINTENANCE**

1. SIGNS SHALL MEET SPECIFICATIONS IN THE STANDARD HIGHWAY SIGNS MANUAL AND CURRENT EDITION OF THE MUTCD.
2. SEE CURRENT EDITION OF MUTCD FOR ADDITIONAL SIGNS.
3. ALL SIGNS SHALL COMPLY WITH SHEETING REQUIREMENTS AS SPECIFIED IN STANDARD DRAWING 702-01-3/3.
4. SIGN SIZES MAY BE ADJUSTED PER MUTCD RECOMMENDATIONS.

**WARNING SIGNS:**

ALL WARNING SIGNS ARE BLACK/FLUORESCENT ORANGE UNLESS OTHERWISE SPECIFIED.

\* THESE SIGNS REQUIRE APPROPRIATE DISTANCE INDICATION  
(1/2 MILE, 1 MILE, 1500 FT., 750 FT., 500 FT., 350 FT.)

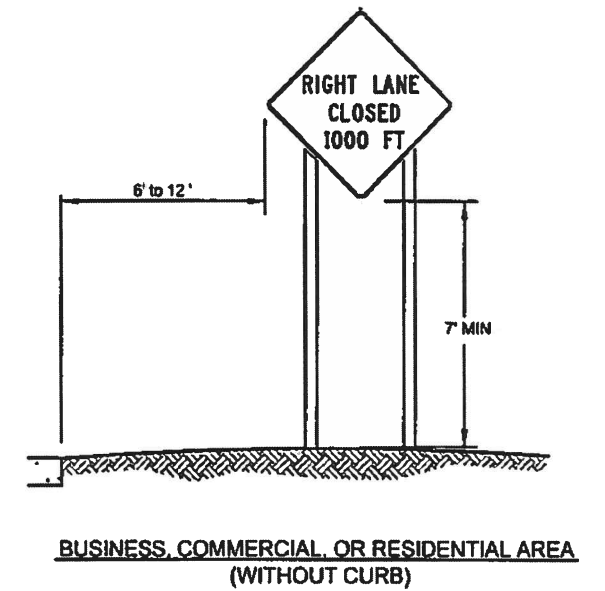
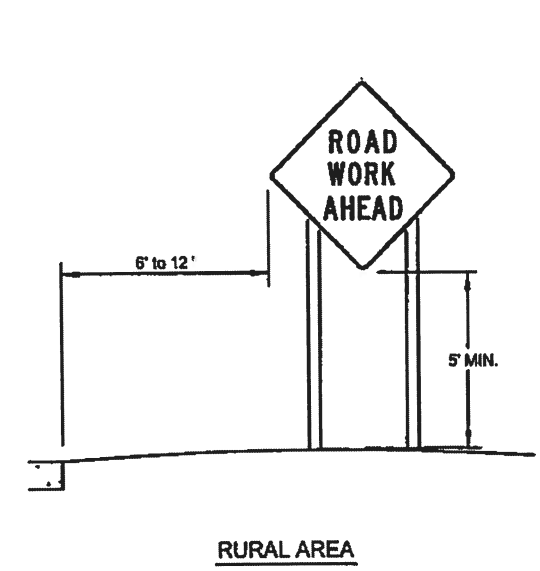
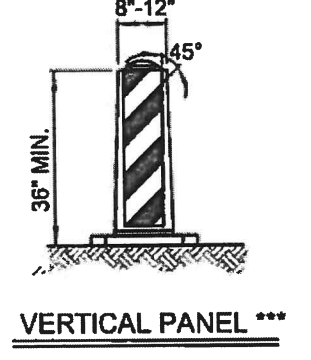
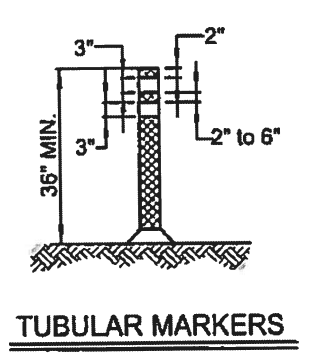
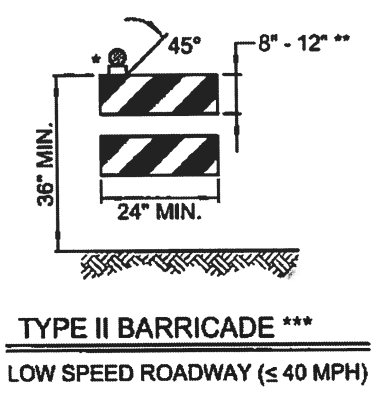
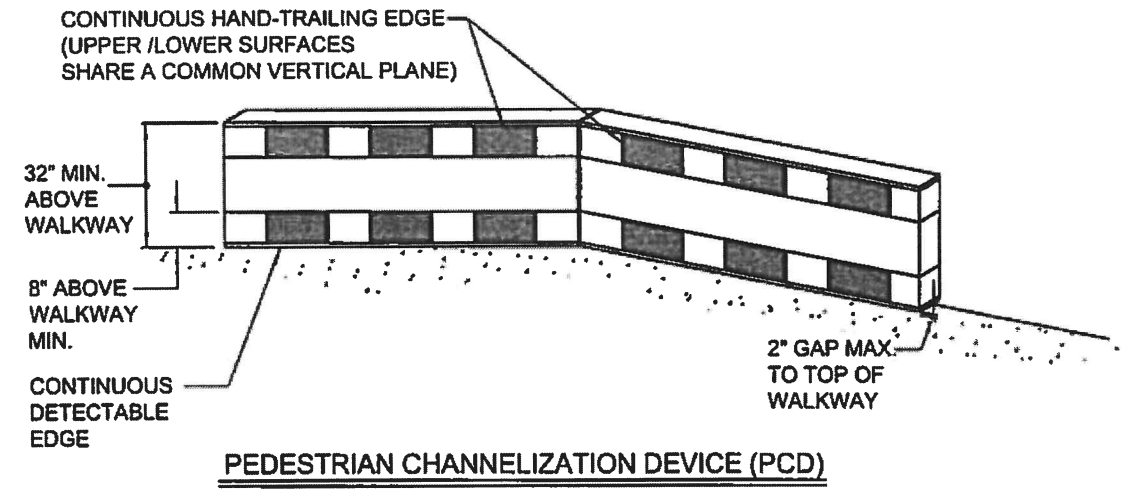
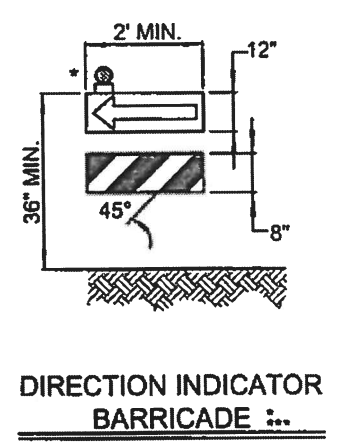
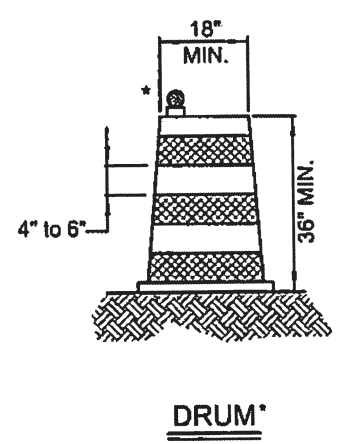
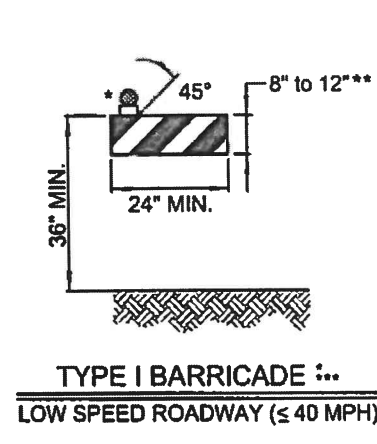
**REGULATORY SIGNS:**

**SPECIAL SIGNS:**

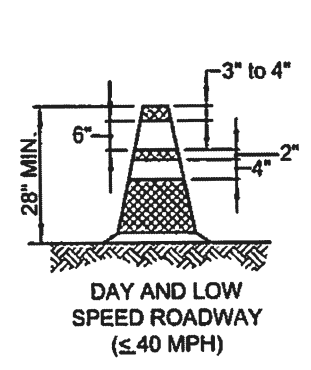
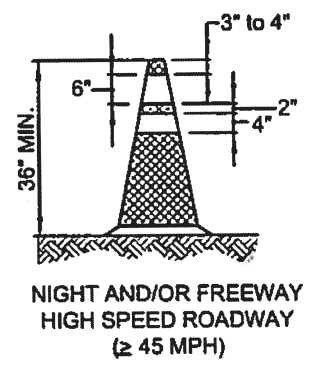
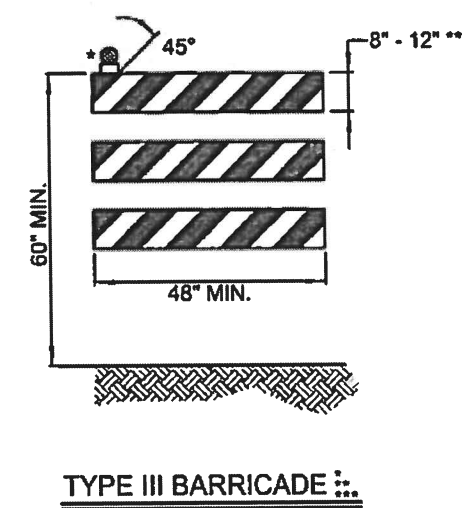
**8 FT. TYPE III BARRICADES**

BARRICADE SYMBOL

| NO.  | DATE         | REV BY      | DESCRIPTION |
|--|--------------|-------------|-------------|
| REVISIONS ( OR CHANGE NOTICES )                                |              |             |             |
| NEW MEXICO<br>DEPARTMENT OF TRANSPORTATION<br>STANDARD DRAWING |              |             |             |
| CONSTRUCTION & MAINTENANCE<br>SIGN FACE DETAILS                |              |             |             |
| APPROVED:  | <i>Ashin</i> |             | 12/10/15    |
| DESIGNED BY  | DRAWN BY     | CHECKED BY: |             |
| 702-01-3/5   |              |             |             |



**HEIGHT AND LATERAL LOCATIONS OF SIGNS - TYPICAL INSTALLATIONS**



**CONES**

**NOTE:**  
ALL DEVICES USED ON NMDOT ROADWAYS SHALL BE ON THE APPROVED PRODUCTS LIST.

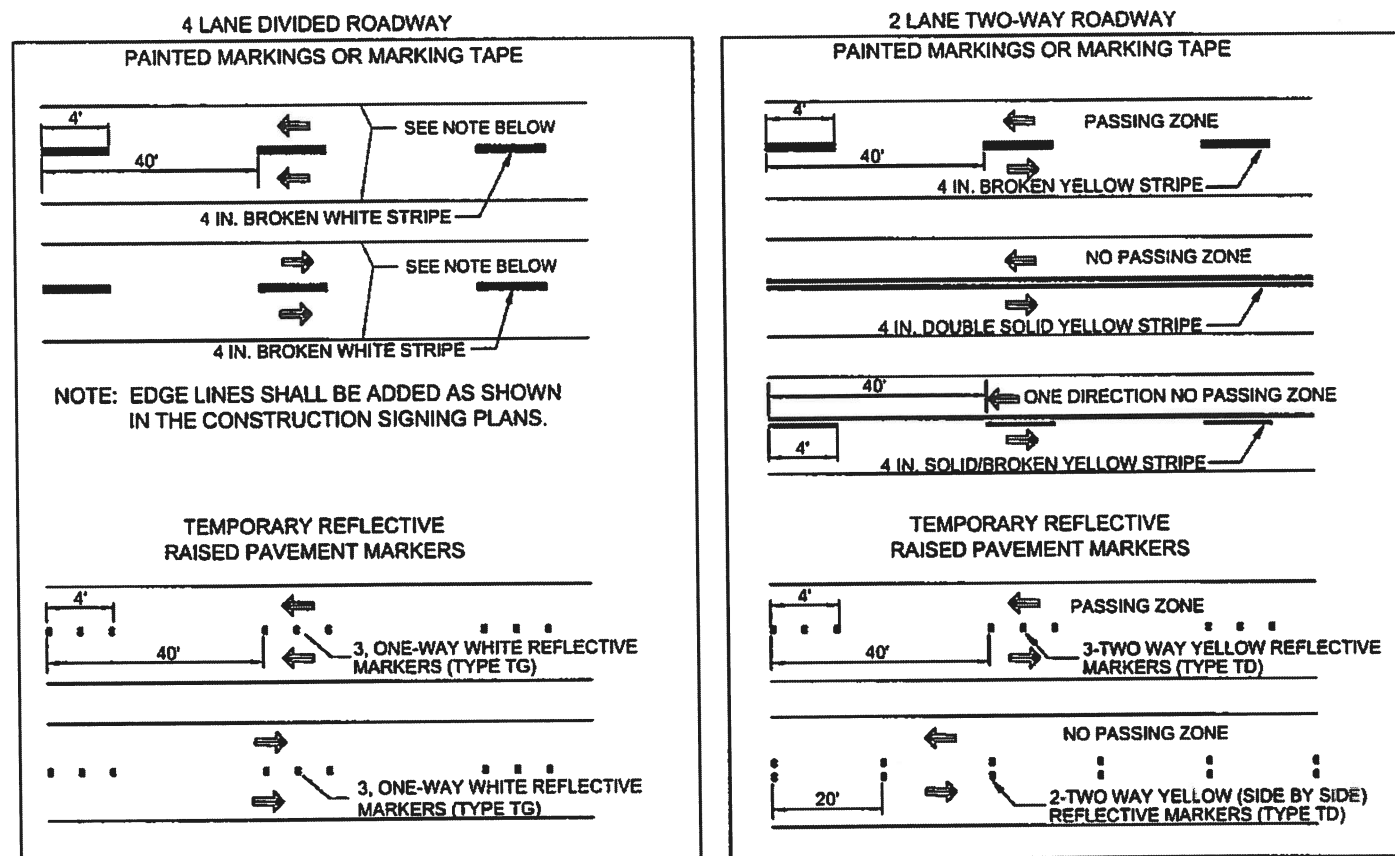
- \* WARNING LIGHT (OPTIONAL)
- \*\* NOMINAL LUMBER DIMENSIONS ARE SATISFACTORY FOR BARRICADE RAIL WIDTH DIMENSIONS.
- \*\*\* RAIL STRIPE WIDTHS SHALL BE 6 INCHES. EXCEPTION: WHERE RAIL LENGTHS ARE LESS THAN 36 INCHES THEN 4 INCH WIDE STRIPES MAY BE USED.

THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES. VERTICAL PANELS AND BARRICADES USED ON HIGH-SPEED ROADWAYS, EXPRESSWAYS, AND FREEWAYS SHALL HAVE A MINIMUM OF 270 SQUARE INCHES OF RETROREFLECTIVE AREA FACING TRAFFIC.

| DATE   | REV BY         | DESCRIPTION |
|--|----------------|-------------|
| REVISIONS (OR CHANGE NOTICES)  |                |             |
| NEW MEXICO<br>DEPARTMENT OF TRANSPORTATION<br>STANDARD DRAWING                                       |                |             |
| CHANNELIZATION DEVICES FOR<br>CONSTRUCTION, MAINTENANCE, UTILITY<br>& INCIDENT MANAGEMENT OPERATIONS |                |             |
| APPROVED   | <i>A. Shin</i> | 11/3/15     |
| DESIGNED BY  | DRAWN BY       | CHECKED BY  |
| 702-01-4/5   |                |             |

**FIGURE 1**

SHORT TERM WORK ZONE INTERIM MARKINGS (IN PLACE FOR LESS THAN 14 CALENDAR DAYS) (MINIMUM OF 2 COATS OR AS DIRECTED BY THE PROJECT MANAGER)



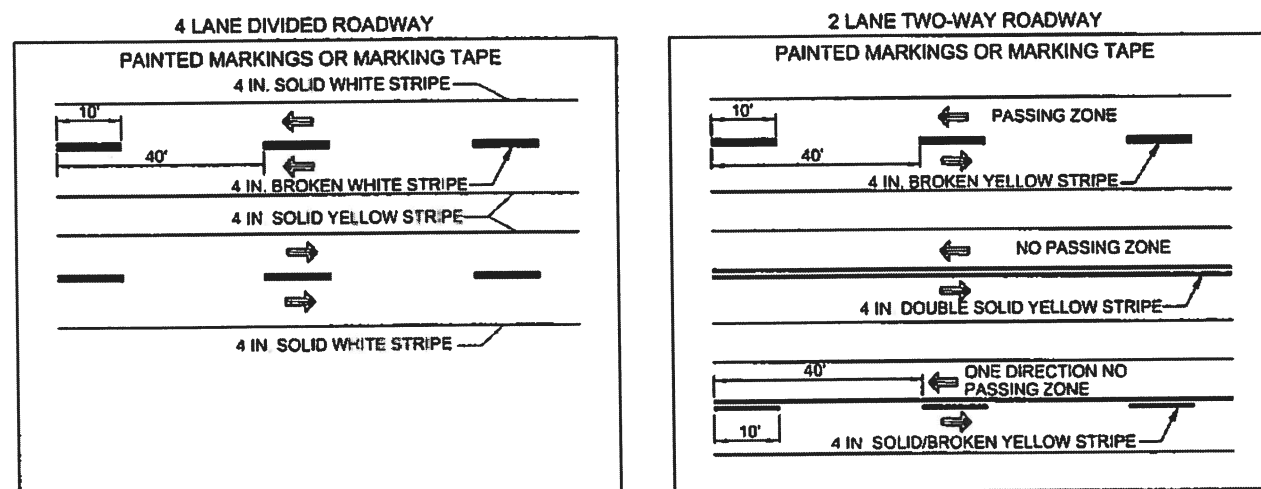
**GENERAL NOTES**

**WORK ZONE INTERIM MARKINGS:**

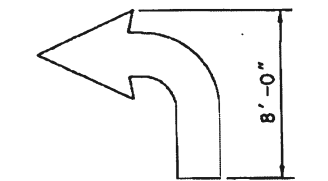
1. The contractor shall place reflectorized painted markings on each lane line on each intermediate lift of surfacing or milled surface at the end of the daily surfacing or milling operation. These markings shall be placed in accordance with Figure 1 or Figure 1 A on this sheet, or as directed by the Project Manager.
2. 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. The contractor will be responsible for maintaining the temporary raised pavement markers when requested by the project manager, District Traffic Engineer or their designees. Maintenance of the tabs will be considered incidental to the completion of the project.
3. The contractor shall place removable marking tape or temporary reflective raised pavement markers 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 Figure 1 or Figure 1 A on this sheet, or as directed by the project manager.
4. On roadways with severe curvature, broken-line interim markings with half-cycle lengths and a minimum of two foot (2') stripes or a group of two temporary reflective pavement markings spaced 2 feet apart may be used where passing is allowed. Interim edge lines or channelization lines for delineation may be used as needed or as directed by the project manager. Passing/no passing zone signing to supplement interim markings for delineation may be used as needed or as directed by the project manager. All interim markings shall be placed in accordance with the current edition of the MUTCD.
5. Shoulder and gore area delineation will be required on each intermediate lift of surfacing or milled surface at the end of the day's pavement operation. Payment for marking tape or temporary pavement markings will be paid for under the unit priced of reflectorized painted markings, unless otherwise specified within the contract or Traffic Control Notes. Contractor may substitute edge line pavement marking with traffic control devices such as drums or vertical panels for a maximum 13 day period.

**FIGURE 1A**

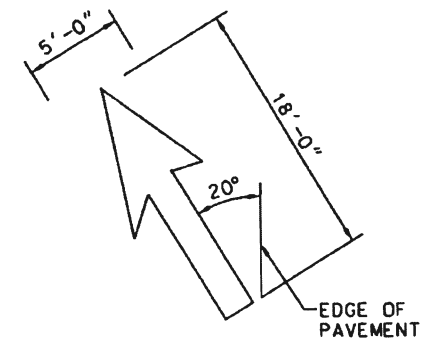
STANDARD WORK ZONE INTERIM MARKINGS (IN PLACE FOR 14 CALENDAR DAYS OR MORE) (MINIMUM OF 2 COATS OR AS DIRECTED BY THE PROJECT MANAGER)



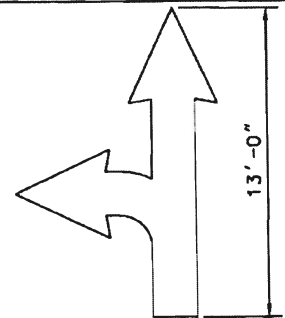
| NO.  | DATE            | REV BY | DESCRIPTION |
|--|-----------------|--------|-------------|
| REVISIONS (OR CHANGE NOTICES)                                  |                 |        |             |
| NEW MEXICO<br>DEPARTMENT OF TRANSPORTATION<br>STANDARD DRAWING |                 |        |             |
| TEMPORARY TRAFFIC<br>MARKINGS FOR CONSTRUCTION                 |                 |        |             |
| APPROVED   | DESIGN ENGINEER |        | DATE        |
|  | DESIGNED BY     |        | DRAWN BY    |
|  |                 |        | CHECKED BY  |
| 702-01-5/5   |                 |        |             |



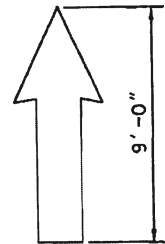
LEFT OR RIGHT TURN ONLY ARROW PAVEMENT MARKER  
12' MIN. FROM STOP BAR



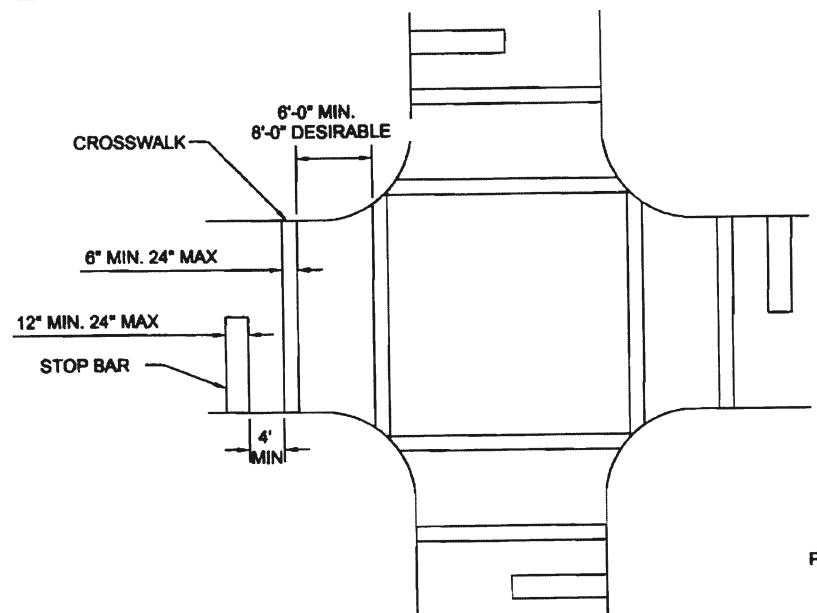
LANE-REDUCTION ARROW PAVEMENT MARKING  
RECOMMENDED SPACING OF 72' TO 180'  
(4 TO 10 TIMES HEIGHT OF THE ARROW)



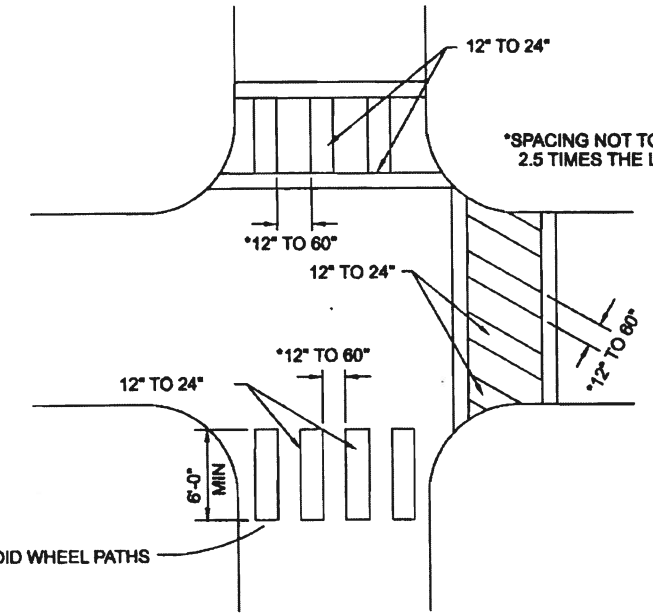
TURN AND THROUGH LANE-USE ARROW PAVEMENT MARKER



THROUGH LANE-USE ARROW PAVEMENT MARKER



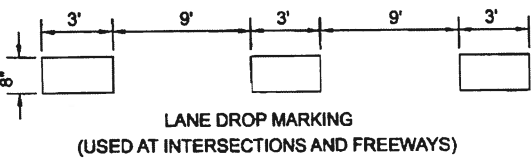
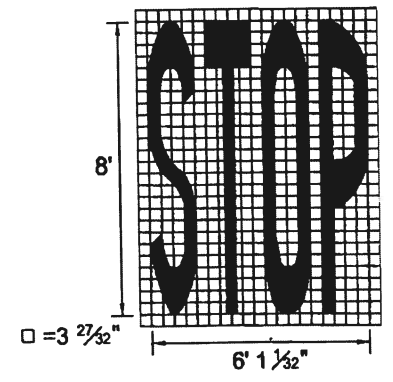
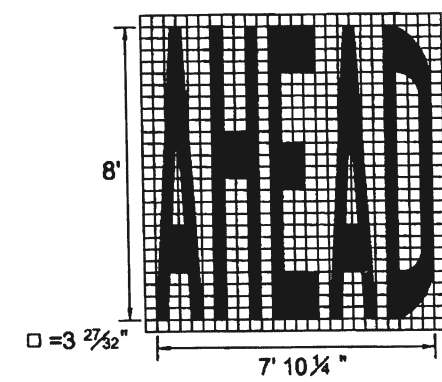
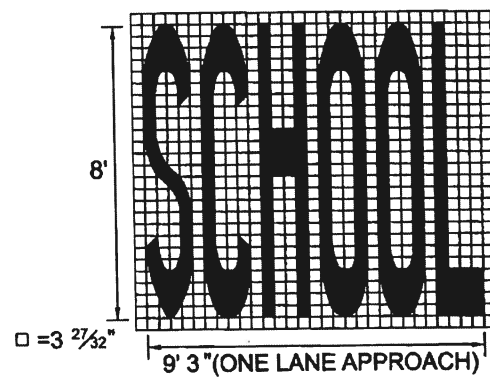
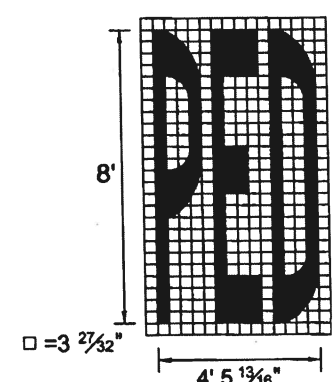
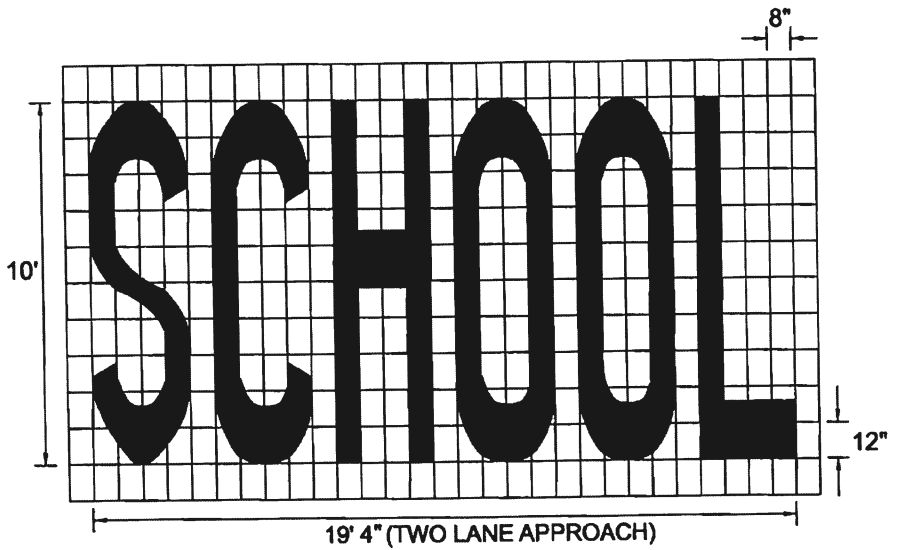
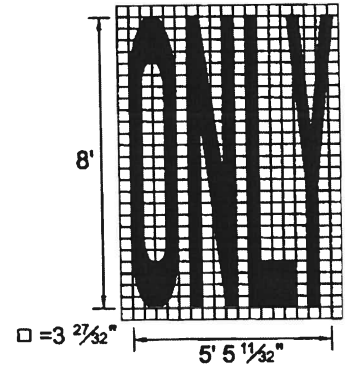
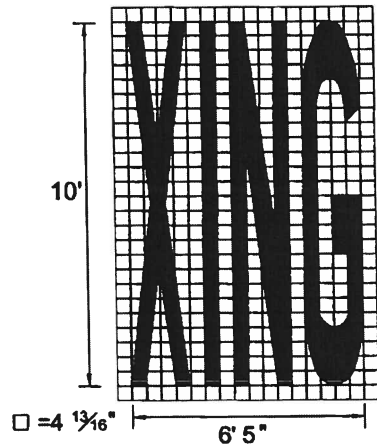
TYPICAL CROSSWALK AND STOP BAR PAVEMENT MARKINGS AT STOP CONTROLLED OR SIGNALIZED INTERSECTIONS.



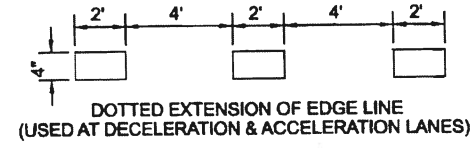
TYPICAL CROSSWALK PAVEMENT MARKINGS

NOTE: 12" TO 24" STOP BAR IS TO BE LOCATED IN COMPLIANCE WITH STOP SIGN OR TRAFFIC SIGNAL. IF CROSSWALKS ARE TO BE USED THE STOP LINE SHOULD BE PLACED 4' IN ADVANCE OF THE NEAREST CROSSWALK.

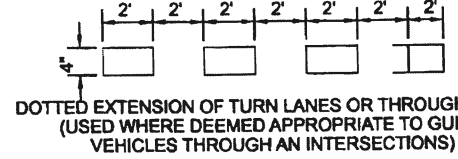
PLACE STRIPES TO AVOID WHEEL PATHS



LANE DROP MARKING (USED AT INTERSECTIONS AND FREEWAYS)



DOTTED EXTENSION OF EDGE LINE (USED AT DECELERATION & ACCELERATION LANES)



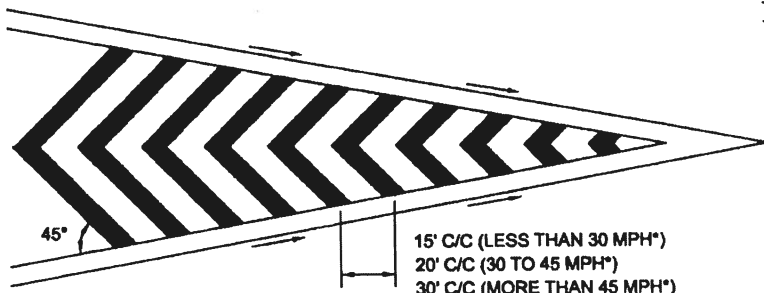
DOTTED EXTENSION OF TURN LANES OR THROUGH LANES (USED WHERE DEEMED APPROPRIATE TO GUIDE VEHICLES THROUGH AN INTERSECTIONS)

PAVEMENT MESSAGE NOTES:

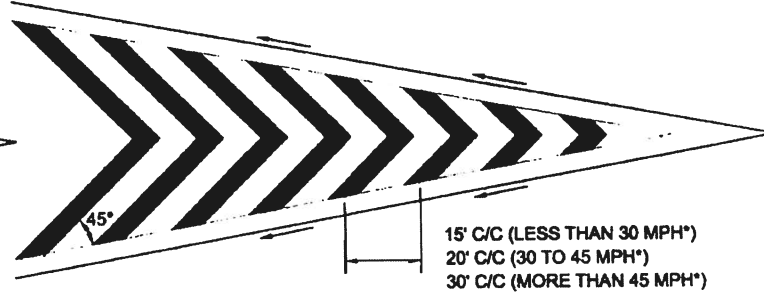
1. ALL WORD MESSAGES SHALL USE STANDARD WORDING AND LETTERS FROM THE CURRENT MUTCD, THE STANDARD HIGHWAY SIGNS BOOK AND THE STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS.
2. THE LONGITUDINAL SPACE BETWEEN WORD OR SYMBOL MESSAGE MARKINGS, INCLUDING ARROW MARKINGS, SHOULD BE AT LEAST FOUR TIMES THE HEIGHT OF THE CHARACTERS FOR LOW SPEED ROADS, BUT NOT MORE THAN TEN TIMES THE HEIGHT OF THE CHARACTERS UNDER ANY CONDITIONS. THE SPACE BETWEEN THE LINES MAY BE REDUCED APPROPRIATELY WHERE THERE IS LIMITED SPACE BECAUSE OF LOCAL CONDITIONS.
3. PAVEMENT MESSAGES SHOULD GENERALLY BE NO MORE THAN ONE LANE IN WIDTH, EXCEPT THE "SCHOOL" MESSAGES WHICH MAY EXTEND TO THE WIDTH OF TWO LANES.
4. PAVEMENT MARKINGS AND PAVEMENT MESSAGES SHALL BE AS SPECIFIED IN THE CONSTRUCTION PLANS.



| NO.  | DATE    | REV. BY          | DESCRIPTION                        |
|--|---------|------------------|------------------------------------|
| 1  | 4/16/08 | BLJ              | ADDED DIMENSIONS FOR WORD MESSAGES |
| REVISIONS (OR CHANGE NOTICES)                                  |         |                  |                                    |
| NEW MEXICO<br>DEPARTMENT OF TRANSPORTATION<br>STANDARD DRAWING |         |                  |                                    |
| PAVEMENT MARKINGS AND MESSAGES                                 |         |                  |                                    |
| APPROVED <i>Kathleen Garcia</i>                                |         | DATE 4-17-08     |                                    |
| DESIGNED BY _____  |         | DRAWN BY _____   |                                    |
| 704-03-1/2   |         | CHECKED BY _____ |                                    |
| SHEET 1 OF 2   |         |                  |                                    |



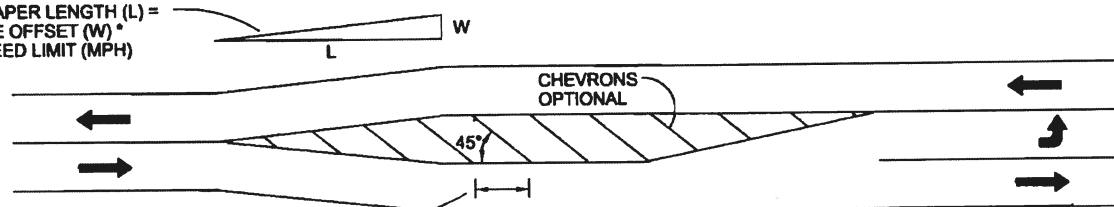
**CHEVRON STRIPES DETAIL**  
(ENTRANCE RAMP GORE AREA)



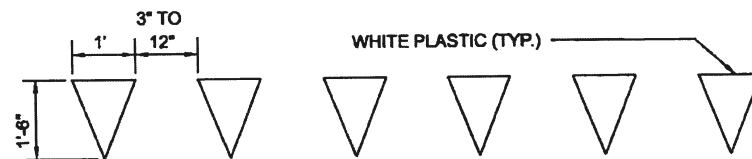
**CHEVRON STRIPES DETAIL**  
(EXIT RAMP GORE AREA)

NOTE: C/C=CENTER OF STRIPE TO CENTER OF STRIPE

REDIRECT TAPER LENGTH (L) = WIDTH TO BE OFFSET (W) \* POSTED SPEED LIMIT (MPH)

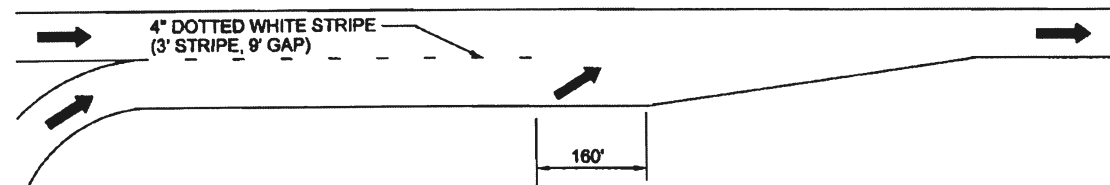


**CHEVRON STRIPES DETAIL**  
(WIDENED MEDIAN AREA)

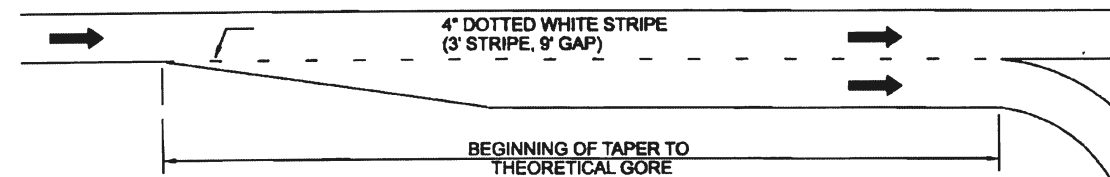


**TYPICAL YIELD LINE**

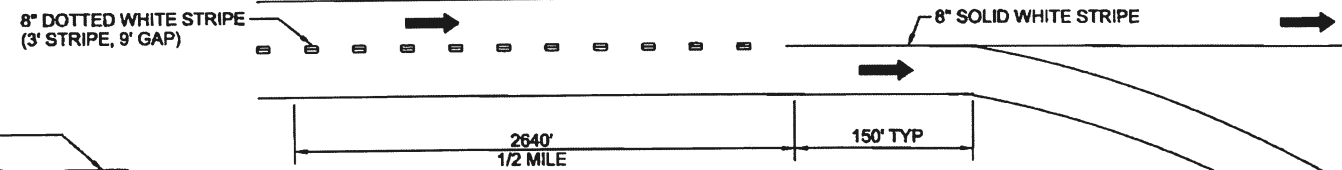
TO BE PLACED 4' IN ADVANCE OF CROSSWALK OR NEAREST EDGE OF THE INTERSECTING TRAVELED WAY.



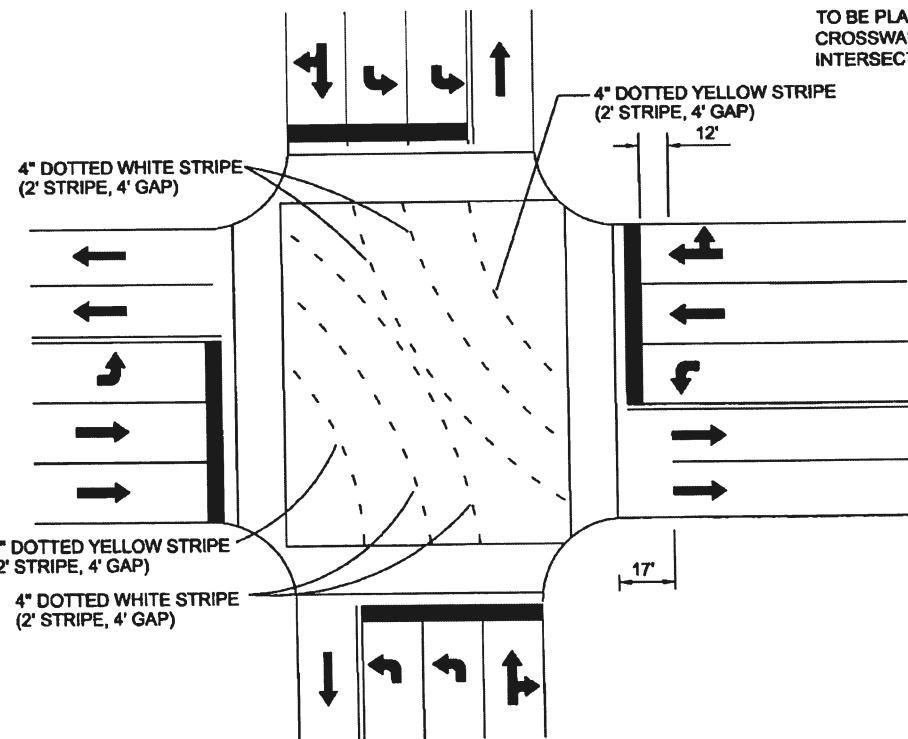
**ACCELERATION LANE**



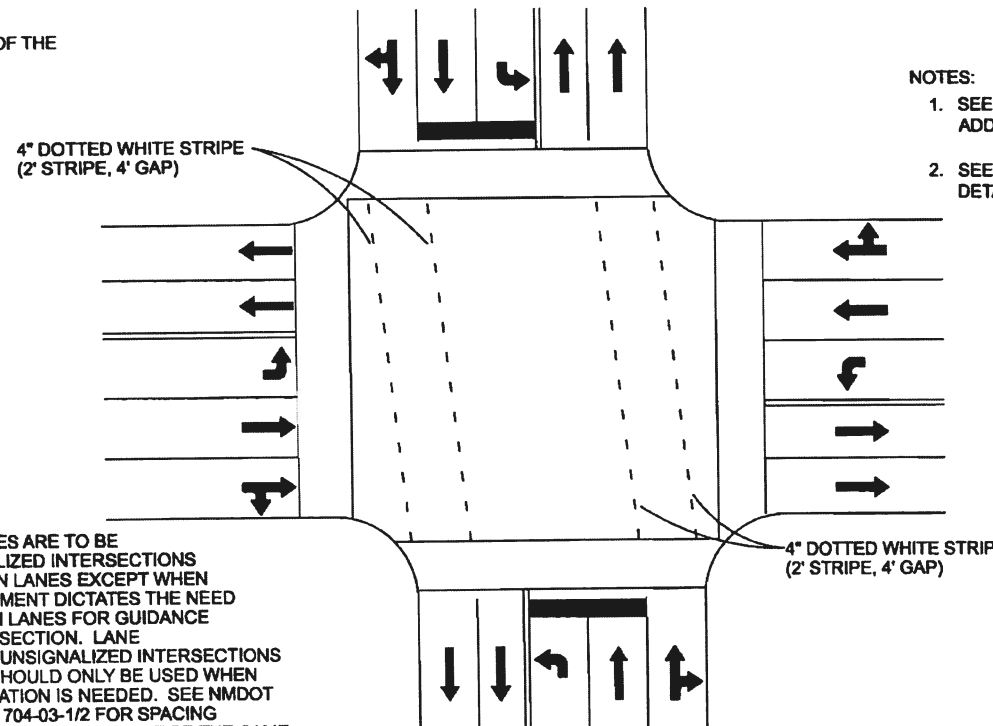
**DECELERATION LANE**



**LANE DROP**



**SIGNALIZED INTERSECTION PAVEMENT MARKINGS**

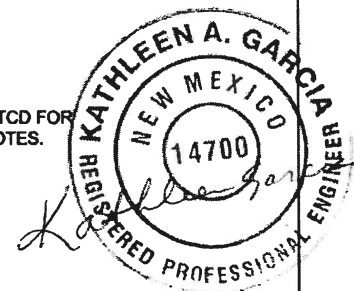


**LANE LINE EXTENSIONS WHERE THROUGH LANES ARE OFFSET**

NOTE: LANE EXTENSION LINES ARE TO BE USED ONLY AT SIGNALIZED INTERSECTIONS WITH DUAL LEFT TURN LANES EXCEPT WHEN ENGINEERING JUDGEMENT DICTATES THE NEED AT SINGLE LEFT TURN LANES FOR GUIDANCE THROUGH THE INTERSECTION. LANE EXTENSION LINES AT UNSIGNALIZED INTERSECTIONS ARE OPTIONAL AND SHOULD ONLY BE USED WHEN EXTRA DELINEATION IS NEEDED. SEE NMDOT STANDARD DRAWING 704-03-1/2 FOR SPACING INFORMATION. EXTENSION LINES MUST BE THE SAME COLOR AS THE LINE THEY ARE EXTENDING.

**NOTES:**

1. SEE THE CURRENT EDITION OF THE MUTCD FOR ADDITIONAL DETAILS AND GUIDANCE NOTES.
2. SEE SERIAL 704-03-1/2 FOR ADDITIONAL DETAILS.



| NO.  | DATE            | REV. BY    | DESCRIPTION                             |
|--|-----------------|------------|---|
| 1  | 4/17/08         | BLJ        | REVISED LANE EXTENSION DETAIL, STRIPING |
| REVISIONS ( OR CHANGE NOTICES )                                |                 |            |   |
| NEW MEXICO<br>DEPARTMENT OF TRANSPORTATION<br>STANDARD DRAWING |                 |            |   |
| PAVEMENT MARKINGS AND MESSAGES                                 |                 |            |   |
| APPROVED   | Kathleen Garcia |            | 4-17-08                                 |
|  | DESIGN ENGINEER |            | DATE                                    |
| DESIGNED BY  | DRAWN BY        | CHECKED BY |   |
| 704-03-2/2   |                 |            | SHEET 2 OF 2                            |