

CITY OF ALBUQUERQUE NEW MEXICO  
DEPARTMENT OF MUNICIPAL DEVELOPMENT CONSTRUCTION PLANS  
FOR



VICINITY MAP  
N.T.S.  
ZONE ATLAS - N9 & P9

98th STREET WIDENING - GIBSON BLVD TO SENATOR DENNIS CHAVEZ BLVD

PHASE I & II - RIO CLARA AVENUE TO GIBSON BLVD

COA PROJECT NO. 6795.91

NMDOT PROJECT NO. A301500

UTILITY COMPANY CONTACTS:

COMMUNICATION:

COMCAST  
4611 MONTBEL PLACE NE  
ALBUQUERQUE, NM 87102  
CONTACT: MIKE MORTUS  
(505) 269-4006

CENTURY LINK  
400 TIJERAS AVE. NW SUITE 520  
ALBUQUERQUE, NM 87102  
CONTACT: BEVERLY YOUNG  
(505) 245-5934

TW TELECOM OF NEW MEXICO LLC  
5411 JEFFERSON ST. NE SUITE 200  
ALBUQUERQUE, NM 87109  
CONTACT: ROYAL HARRISON  
(505) 938-7339

ELECTRIC:

PNM ELECTRIC  
4201 EDITH BLVD. NE  
ALBUQUERQUE, NM 87107  
CONTACT: ANDREA CONTRERAS  
(505) 241-3666

FLOOD CONTROL:

AMAFCA  
2600 PROSPECT AVE. NE  
ALBUQUERQUE, NM 87107  
CONTACT: KURT WAGENER  
(505) 884-2215

GAS:

NEW MEXICO GAS  
MAIL STOP GS66  
4625 EDITH BLVD. NE  
ALBUQUERQUE, NM 87107  
CONTACT: ZACHARY TRUJILLO  
(505) 697-3122

WATER / SEWER:

ABCWA  
ONE CIVIC PLAZA  
ALBUQUERQUE, NM 87103  
CONTACT: KRIS JOHNSON  
(505) 289-3035

APPROVED AS RECORD DRAWINGS  
DMD/CSD  
CITY CONSTRUCTION ENGINEER

*[Signature]*  
DATE: 3-25-16

I, THE UNDERSIGNED, A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE INDICATED RECORD DRAWINGS ARE BASED UPON INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR IN THE FORM OF RED-LINED CONSTRUCTION DRAWING MARKUPS TO THE ORIGINAL DESIGN DRAWINGS. THE TRANSFER OF INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. HOWEVER, I HAVE NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THE INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR AND SHALL NOT BE RESPONSIBLE FOR ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS. ALL INFORMATION, INCLUDING VERTICAL AND HORIZONTAL DIMENSIONS, SHOULD BE FIELD VERIFIED PRIOR TO USE ON FUTURE PROJECTS.

*[Signature]* NAME: J. R. NM 17432 DATE: 3-25-16

RECORD DRAWING INFO

|                                  |                              |
|----------------------------------|------------------------------|
| CITY INSPECTOR                   | JUSTIN MUNIZ                 |
| CITY PROJECT MANAGER             | KELLIE SHAW / GINA ROSS      |
| CONTRACTOR                       | FRANKLIN'S EARTHMOVING, INC. |
| SURVEYOR                         | CARTESIAN SURVEYS, INC.      |
| CONSTRUCTION PROJECT COORDINATOR | ADAM BERGSTRASSER            |
| ACCEPTANCE DATE                  | 1/9/2016                     |
| CONSTRUCTION ENGINEER            | BILL WOODWARD                |



**WHPacific**

6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists

500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

| REV.                        | SHEETS           | CITY ENGINEER      | DATE    | USER DEPARTMENT    | DATE               | USER DEPARTMENT | DATE    |
|-----------------------------|------------------|--------------------|---------|--------------------|--------------------|-----------------|---------|
| ENGINEERS STAMP & SIGNATURE | APPROVALS        | ENGINEER           | DATE    | *** ** *           | DATE               | *** ** *        | DATE    |
|                             | DRC Chairman     | <i>[Signature]</i> | 3/10/15 | TRANSPORTATION     | <i>[Signature]</i> | 3/9/15          | 3/10/15 |
|                             | Transportation   | <i>[Signature]</i> | 3/9/15  | WATER/WASTEWATER   | <i>[Signature]</i> | 3/9/15          | 3/10/15 |
|                             | Hydrology        | <i>[Signature]</i> | 3/9/15  | Parks & Recreation | <i>[Signature]</i> | 3/9/15          | 3/10/15 |
|                             | City Project No. | 6795.91            |         | City Engineer      | <i>[Signature]</i> | 3/10/15         | 3/10/15 |
|                             | Sheet            | 0-1                |         | Of                 | 10                 |                 |         |

RECORD DRAWING



### INDEX OF SHEETS

|      |   |
|------|---|
| 0-1  | COVER SHEET                                   |
| 0-2  | MASTER INDEX OF SHEETS                        |
| 0-3  | MASTER KEY MAP                                |
| 0-4  | MASTER SUMMARY OF QUANTITIES                  |
| 0-5  | ENVIRONMENTAL COMMITMENTS                     |
| 0-6  | SUGGESTED SEQUENCE OF CONSTRUCTION            |
| 0-7  | PHASE 1-SUGGESTED AMOLE MESA AVE INTERSECTION |
| 0-8  | PHASE 2-SUGGESTED BLAKE ROAD CROSSOVER        |
| 0-9  | PHASE 3-SUGGESTED RIO CLARA AVE CROSSOVER     |
| 0-10 | PHASE 3-SUGGESTED COLOBEL AVE CROSSOVER       |

### PHASE I DRAWING SET

|              |  |
|--------------|--|
| 1-1          | COVER SHEET                                    |
| 1-2          | KEY MAP  |
| 1-3 to 1-4   | GENERAL NOTES & LEGEND                         |
| 1-5          | TYPICAL SECTIONS                               |
| 1-6          | SUMMARY OF QUANTITIES                          |
| 1-7 to 1-8   | DEMOLITION PLAN                                |
| 1-9 to 1-16  | ROADWAY PLAN AND PROFILES                      |
| 1-17         | INTERSECTION DETAILS                           |
| 1-18 to 1-19 | SIDEWALK RAMP DETAILS                          |
| 1-20         | DRAINAGE PLAN & PROFILE                        |
| 1-21         | STORM DRAIN PROFILES                           |
| 1-22         | SLEEVES FOR FUTURE LANDSCAPE IRRIGATION SYSTEM |
| 1-23         | SIGNING & STRIPING GENERAL NOTES AND DETAILS   |
| 1-24 to 1-25 | SIGNING & STRIPING REMOVALS                    |
| 1-26 to 1-28 | SIGNING & STRIPING LAYOUT                      |
| 1-29         | NMDOT DETAIL 511-03 (1 OF 2)                   |
| 1-30         | NMDOT DETAIL 511-03 (2 OF 2)                   |
| 1-31         | STANDARD DETAILS                               |
| 1-32         | COA MODIFIED STD DWG 2201                      |

### PHASE II DRAWING SET:

|              |  |
|--------------|--|
| 2-1          | COVER SHEET                                  |
| 2-2          | KEY MAP                                      |
| 2-3 to 2-4   | GENERAL NOTES & LEGEND                       |
| 2-5          | TYPICAL SECTIONS                             |
| 2-6          | SUMMARY OF QUANTITIES                        |
| 2-7 to 2-8   | DEMOLITION PLAN                              |
| 2-9 to 2-12  | ROADWAY PLAN& PROFILES                       |
| 2-13         | INTERSECTION DETAILS                         |
| 2-14 to 2-15 | SIDEWALK RAMP DETAILS                        |
| 2-16         | COA MODIFIED STD DRAWING 2201                |
| 2-17         | SIGNING & STRIPING GENERAL NOTES AND DETAILS |
| 2-18         | SIGNING & STRIPING REMOVALS                  |
| 2-19 to 2-20 | SIGNING & STRIPING LAYOUT                    |
| 2-21         | BID ALTERNATE #1 - SIDEWALK INSTALLATION     |
| 2-22         | STREET LIGHTING - GENERAL NOTES              |
| 2-23         | STREET LIGHTING DESIGN - GIBSON BOULEVARD    |



**WHPacific**  
6501 Americas Plaza NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102



CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
TRANSPORTATION DIVISION

TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE

### MASTER INDEX OF SHEETS

|   |   |             |             |
|---|---|-------------|-------------|
| Design Review Committee                                   | City Engineer Approval                          | Mo./Day/Yr. | Mo./Day/Yr. |
| <b>APPROVED</b><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE | <b>APPROVED</b><br>MAR 10 2015<br>CITY ENGINEER |             |             |
| Last Design Update  |   |             |             |

|                  |              |       |    |
|------------------|--------------|-------|----|
| City Project No. | Zone Map No. | Sheet | Of |
| 6795.91          | N9 & P9      | 0-2   | 10 |

NMDOT PROJECT NO. A301500

|                        |  |      |  |
|------------------------|--|------|--|
| CONTRACTOR             |  | DATE |  |
| WORKED BY              |  | DATE |  |
| INSPECTED BY           |  | DATE |  |
| ACCEPTANCE BY          |  | DATE |  |
| LIBRARIAN BY           |  | DATE |  |
| CORRECTED BY           |  | DATE |  |
| MICRO-FILM INFORMATION |  | DATE |  |
| RECORDED BY            |  | DATE |  |
| NO.                    |  | NO.  |  |

|  |  |      |  |
|--|--|------|--|
| BENCH MARKS  |  | DATE |  |
| THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.         |  | DATE |  |
| STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE      |  | DATE |  |
| CURB IN THE NW CURB RETURN OF UNSER BLVD. SW       |  | DATE |  |
| AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF |  | DATE |  |
| CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF       |  | DATE |  |
| CENTERLINE OF UNSER BLVD SW.                       |  | DATE |  |
| STAMPED 3-N10                                      |  | DATE |  |
| ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1986)      |  | DATE |  |
| N=1469674.583 E=1497276.885                        |  | DATE |  |

|                    |  |      |  |
|--------------------|--|------|--|
| SURVEY INFORMATION |  | DATE |  |
| FIELD NOTES        |  | DATE |  |
| BY                 |  | DATE |  |
| NO.                |  | DATE |  |

|                 |  |      |  |
|-----------------|--|------|--|
| ENGINEER'S SEAL |  | DATE |  |
| HOWARD R. CAPE  |  | DATE |  |
| NEW MEXICO      |  | DATE |  |
| 16886           |  | DATE |  |
| HILL            |  | DATE |  |
| REGISTERED      |  | DATE |  |

|             |  |      |  |
|-------------|--|------|--|
| REMARKS     |  | DATE |  |
| REVISIONS   |  | DATE |  |
| NO.         |  | DATE |  |
| DATE        |  | DATE |  |
| DESIGNED BY |  | DATE |  |
| DRAWN BY    |  | DATE |  |
| CHECKED BY  |  | DATE |  |

RECORD DRAWING







| COMBINED SUMMARY OF QUANTITIES |            |  |      |          |         |        |
|--------------------------------|------------|--|------|----------|---------|--------|
| Bid Item #                     | Item ID #  | Description  | Unit | Quantity |         |        |
|                                |            |  |      | Phase 1  | Phase 2 | Total  |
| 1                              | 4.01       | Construction Staking, compl.   | LS   | 1        | 1       | 2      |
| 2                              | 19.01      | Construction Traffic Control & Barricading, compl.   | LS   | 1        | 1       | 2      |
| 3                              | 116.016    | Placement Arterial Asphalt Concrete, 3-Inch Lift, cip.   | SY   | 20,111   | 10,478  | 30,589 |
| 4                              | 116.02     | Placement Arterial Asphalt Concrete, 2-Inch Lift, cip.   | SY   | 6,653    | 0       | 6,653  |
| 5                              | 201.01     | Site Clearing and Grubbing, compl.   | AC   | 7        | 3       | 10     |
| 6                              | 201.061    | Erosion Control Silt Fence, 3' high, w/5' steel posts @ 10' on center, cip.                                  | LF   | 2,500    | 1,225   | 3,725  |
| 7                              | 204.01     | Fill, construction incl. excavation, placement & compaction of unclassified material, over 2 ft. deep, cip.  | CY   | 7,500    | 7,500   | 15,000 |
| 8                              | 301.02     | Subgrade Preparation, 12" at 95% compaction, cip.  | SY   | 10,056   | 5,239   | 15,295 |
| 9                              | 302.01x    | Aggregate Base Course, Crushed, 9" at 95% compaction, cip. SD 2408   | SY   | 10,056   | 5,239   | 15,295 |
| 10                             | 336.01     | Prime Coat, emulsified asphalt, cip.   | SY   | 13,511   | 5,239   | 18,750 |
| 11                             | 336.024    | Asphalt Concrete, 3" thick, Superpave  | SY   | 20,405   | 10,478  | 30,883 |
| 12                             | 336.022    | Asphalt Concrete, 2" thick, Superpave  | SY   | 6,689    | 0       | 6,689  |
| 13                             | 336.12     | Tack coat, cationic emulsified asphalt, cip.   | SY   | 13,511   | 5,239   | 18,750 |
| 14                             | 340.01     | Sidewalk, 4" thick, Portland Cement Concrete, incl. subgrade compaction, cip. SD 2430                        | SY   | 2,425    | 967     | 3,392  |
| 15                             | 340.21     | 24-inch Sidewalk Drain, cip., SD 2236  | EA   | 3        | 0       | 3      |
| 16                             | 340.025    | Curb Ramp, 4" PCC, Std. Curb., cip. SD 2418  | EA   | 7        | 9       | 16     |
| 17                             | 340.05     | Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415                  | LF   | 3,606    | 1,333   | 4,939  |
| 18                             | 340.06     | Curb & Gutter, Median, Portland Cement Concrete, cip. SD 2408  | LF   | 3,517    | 1,692   | 5,209  |
| 19                             | 340.3      | 4" Median Pavement, Portland Cement Concrete, incl. subgrade compaction. cip.                                | SY   | 145      | 110     | 255    |
| 20                             | 343.02     | Existing Pavement, Asphalt Concrete, up to 4" thick, sawcut, remove & Dispose, compl.                        | SY   | 70       | 1,213   | 1,283  |
| 21                             | 343.03     | Existing Pavement, Asphalt Concrete, more than 4" thick, sawcut, remove & Dispose, compl.                    | SY   | 1,102    | 0       | 1,102  |
| 22                             | 343.08     | Existing Curb, Asphalt Concrete, remove & dispose, compl.  | LF   | 218      | 317     | 535    |
| 23                             | 343.085    | Existing Sidewalk, 4" PC Concrete, remove & dispose  | SY   | 89       | 63      | 152    |
| 24                             | 440.001    | ReflectORIZED Painted Marking, CIP   | LF   | 1,374    | 0       | 1,374  |
| 25                             | 440.035    | Non-ReflectORIZED Parking Marking, Any Color or Shape, CIP   | LF   | 175      | 0       | 175    |
| 26                             | 441.001    | ReflectORIZED Plastic Pavement Markings, 4" Width Yellow, CIP  | LF   | 3,246    | 1,649   | 4,895  |
| 27                             | 441.002    | ReflectORIZED Plastic Pavement Markings 6" Width White, CIP  | LF   | 5,836    | 2,645   | 8,481  |
| 28                             | 441.003    | ReflectORIZED Plastic Pavement Markings 8" Width White, CIP  | LF   | 594      | 117     | 711    |
| 29                             | 441.005    | ReflectORIZED Plastic Pavement Markings, 24" Width White, CIP  | LF   | 89       | 829     | 918    |
| 30                             | 441.010    | ReflectORIZED Preformed Plastic Arrow, Right, CIP  | EA   | 2        | 2       | 4      |
| 31                             | 441.011    | ReflectORIZED Preformed Plastic Arrow, Left, CIP   | EA   | 8        | 4       | 12     |
| 32                             | 441.02     | ReflectORIZED Preformed Plastic Word, "Only" CIP   | EA   | 5        | 3       | 8      |
| 33                             | 441.031    | ReflectORIZED Preformed Plastic Symbol, Bicycle CIP  | EA   | 12       | 6       | 18     |
| 34                             | 443.101    | Removal of Stripe, any width, paint or plastic, comp.  | LF   | 7,426    | 5,464   | 12,890 |
| 35                             | 443.102    | Removal of Pavement Arrow, Symbol, or Word, painted or plastic, CIP.   | EA   | 12       | 2       | 14     |
| 36                             | 450.001    | Aluminum Panel Sign, CIP   | SF   | 109      | 130     | 239    |
| 37                             | 450.01     | Square Tube Steel Posts & Base Posts for Aluminum Panel Sign, CIP  | LF   | 231      | 117     | 348    |
| 38                             | 450.101    | Sign, Post, & Base Post, Remove & Salvage, compl.  | EA   | 25       | 8       | 33     |
| 39                             | 450.102    | Sign, Post, & Base Post, Remove & Relocate, compl.   | EA   | 8        | 9       | 17     |
| 40                             | 501.02     | Existing Drainage Structure of Channel Lining, Reinforced Concrete, Remove & Dispose, compl.                 | CY   | 48       | 0       | 48     |
| 41                             | 601.01     | Excavation, Backfill & Compaction for Channels, incl. Relocation of material and finished grading, cip.      | CY   | 580      | 0       | 580    |
| 42                             | 603.034    | Construct 2' deep rip-rap lined ditch-complete, including geotextile   | CY   | 113      | 0       | 113    |
| 43                             | 701.1      | Trenching, Backfilling, & Compaction for 18" to 36" sewer pipe, up to 8' in depth, pipe not included, compl. | LF   | 668      | 119     | 787    |
| 44                             | 901.73     | Remove and Dispose 30" Storm Drain, trenching not incl. cip. SD 2125   | LF   | 78       | 0       | 78     |
| 45                             | 910.006    | 18" RCP, Class IV, Furnish and Place in Open Trench, cip   | LF   | 119      | 119     | 238    |
| 46                             | 910.006"a" | 14"x23" RCP, Class IV, Elliptical RCP  | LF   | 149      | 0       | 149    |
| 47                             | 910.009    | 24" RCP, Class III, Furnish and Place in Open Trench, cip.   | LF   | 88       | 0       | 88     |
| 48                             | 910.017    | 36" RCP, Class III, Furnish and Place in Open Trench, cip  | LF   | 312      | 0       | 312    |
| 49                             | 910.104    | Drain Line Removal 21" to 48", excl. trenching, compl.   | LF   | 155      | 0       | 155    |
| 50                             | 510.11     | NMDOT Headwalls per Standard Drawing 511-03  | CY   | 10       | 0       | 10     |
| 51                             | 915.01     | Catch Basin, Type "A", Single grate, cip. SD 2201  | EA   | 1        | 1       | 2      |
| 52                             | 910.xx     | Remove Plug "x" Connect to Existing Line   | EA   | 0        | 2       | 2      |
| 53                             | 915.01     | Catch Basin, Type "A", Double Wing   | EA   | 2        | 0       | 2      |
| 54                             | 915.05     | Catch Basin, Type "D", Single Grate, cip. SD 2205  | EA   | 2        | 0       | 2      |
| 55                             | 915.07     | Catch Basin, Existing, Remove & Dispose, any type, incl. cleanup, comp. SD 2200                              | EA   | 2        | 0       | 2      |
| 56                             | 920.4      | Existing Manhole Frame & Cover, adjust to grade with metal rings, 2" or less, cip. SD 2111                   | EA   | 1        | 1       | 2      |
| 57                             | 920.58     | Existing Manhole, Abandon-in-Place, fill with cement treated base material, compacted, all sizes, cip.       | EA   | 1        | 0       | 1      |
| 58                             | 1011.01    | Seeding, Class "A", Native, cip.   | AC   | 4        | 2       | 6      |
| 59                             | 30.02      | NPDES Permitting, compl.   | LS   | 1        | 1       | 2      |
| 60                             | XXXXXX     | Thickened Edge Concrete Bus Shelter Pad  | EA   | 0        | 2       | 2      |
| 61                             | XXXXXX     | Remove & Relocate ARRA Bus Shelter including Concrete Pad  | EA   | 0        | 1       | 1      |
| 62                             | 6.05       | Construction Mobilization, compl.  | LS   | 1        | 0       | 1      |

| BID ALTERNATE #1 |   |      | Quantity |         |       |  |
|------------------|---|------|----------|---------|-------|--|
| Bid Item #       | Description   | Unit | Phase 1  | Phase 2 | Total |  |
| 63               | 4.01 Construction Staking, compl.   | LS   | 0        | 1       | 1     |  |
| 64               | 19.01 Construction Traffic Control & Barricading, compl.                                      | LS   | 0        | 1       | 1     |  |
| 65               | 340.01 Sidewalk, 4" thick, Portland Cement Concrete, incl. subgrade compaction, cip. SD 2430  | SY   | 0        | 1,255   | 1,255 |  |
| 66               | 421.006 Service Riser (Lighting), CIP   | EA   | 0        | 1       | 1     |  |
| 67               | 421.024 Lighting Control Cabinet, Six Circuit Unmetered, CIP                                  | EA   | 0        | 1       | 1     |  |
| 68               | 421.016 Service Connection (Lighting), CIP  | EA   | 0        | 1       | 1     |  |
| 69               | 422.03 Street Light Standard, single arm, 40', cip  | EA   | 0        | 4       | 4     |  |
| 70               | 423.02 Luminaire Foundation, Ht-40' or Less, cip  | EA   | 0        | 4       | 4     |  |
| 71               | 424.006 Electrical Conduit, 2", incl. trenching, backfill, patching, boring, and jacking, cip | LF   | 0        | 630     | 630   |  |
| 72               | 425.002 Electrical Pullbox (Standard), cip  | EA   | 0        | 4       | 4     |  |
| 73               | 426.001 Single Conductor #2, cip  | LF   | 0        | 1,150   | 1,150 |  |
| 74               | 426.003 Single Conductor #6, cip  | LF   | 0        | 630     | 630   |  |
| 75               | 426.005 Single Conductor #10, cip   | LF   | 0        | 110     | 110   |  |
| 76               | 432.001 Roadway Luminaire, Type 2505, CIP   | EA   | 0        | 4       | 4     |  |
| 77               | 6.05 Construction Mobilization  | LS   | 0        | 1       | 1     |  |



6501 Americas Pkwy NE, Suite 403  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102



CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
TRANSPORTATION DIVISION

TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE

MASTER SUMMARY OF QUANTITIES

| Design Review Committee | City Engineer Approval | Mo./Day/Yr. | Mo./Day/Yr. |
|-------------------------|------------------------|-------------|-------------|
|                         |                        |             |             |
|                         |                        |             |             |
|                         |                        |             |             |
|                         |                        |             |             |
|                         |                        |             |             |

City Project No. 6795.91 Zone Map No. N9 & P9 Sheet 0-4 10

NMDOT PROJECT NO. A301500

RECORD DRAWING



# ENVIRONMENTAL COMMITMENTS

THE CONTRACTOR SHALL REFER TO SECTION 107 OF THE 2014 EDITION OF THE STANDARD SPECIFICATIONS, MAKING SPECIAL NOTE OF SUB-SECTION 107.14: CONTRACTOR'S RESPONSIBILITIES FOR ENVIRONMENTAL AND CULTURAL RESOURCE.

☐ NO ADDITIONAL PROJECT SPECIFIC ENVIRONMENTAL REQUIREMENTS APPLY.

☒ IN ADDITION TO SECTION 107, THE FOLLOWING PROJECT SPECIFIC ENVIRONMENTAL REQUIREMENTS APPLY:

- IF BURIED ARCHAEOLOGICAL OR CULTURAL DEPOSITS ARE DISCOVERED DURING CONSTRUCTION, WORK IN THE AREA SHALL CEASE WHILE THE SHPO, THE NMDOT, AND THE CITY OF ALBUQUERQUE ARE CONSULTED.
- FOR CULTURAL RESOURCE SITE LA 151618, SECTION 106 CONSULTATION AND ALL DATA RECOVERY FIELDWORK WILL BE COMPLETED PRIOR TO THE INITIATION OF CONSTRUCTION.
- THE CONTRACTOR SHALL PREPARE AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND A TEMPORARY EROSION AND SEDIMENT CONTROL PLAN (TESCP) IN COMPLIANCE WITH SECTION 402 OF THE CLEAN WATER ACT. BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE INSTALLED AND MAINTAINED BOTH DURING AND AFTER CONSTRUCTION TO PREVENT, TO THE EXTENT PRACTICABLE, POLLUTANTS IN STORM WATER RUNOFF FROM ENTERING WATERS OF THE U.S. TEMPORARILY DISTURBED AREAS WILL BE RE-VEGETATED AFTER CONSTRUCTION TO LIMIT EROSION POTENTIAL.
- DISTURBED PREVIOUSLY VEGETATED SOILS SHALL BE RE-VEGETATED WITH A MIXTURE OF NATIVE SEEDS AND MULCH CERTIFIED NOXIOUS WEED-FREE, AS REQUIRED BY SECTION 632 OF THE 2014 EDITION OF THE NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION.
- CONSTRUCTION ACTIVITIES SHALL COMPLY WITH ALL CONDITIONS OF SECTION 404 NWP 14 PERMIT, INCLUDING SUBMITTING A PRE-CONSTRUCTION NOTIFICATION.
- THE CITY OF ALBUQUERQUE SHALL ENSURE THAT THEIR CONTRACTOR ADHERE TO NEW MEXICO DEPARTMENT OF GAME AND FISH TRENCHING GUIDELINES:
  - KEEP TRENCHING AND BACK-FILLING CREWS CLOSE TOGETHER, TO MINIMIZE THE AMOUNT OF OPEN TRENCHES AT ANY GIVEN TIME.
  - TRENCH DURING THE COOLER MONTHS (OCTOBER - MARCH). HOWEVER, THERE MAY BE EXCEPTIONS (E.G., CRITICAL WINTERING AREAS) THAT NEED TO BE ASSESSED ON A SITE-SPECIFIC BASIS.
  - AVOID LEAVING TRENCHES OPEN OVERNIGHT. WHERE TRENCHES CANNOT BE BACK-FILLED IMMEDIATELY, ESCAPE RAMPS SHOULD BE CONSTRUCTED AT LEAST EVERY 90 METERS. ESCAPE RAMPS CAN BE SHORT LATERAL TRENCHES OR WOODEN PLANKS SLOPING TO THE SURFACE. THE SLOPES SHOULD BE LESS THAN 45 DEGREES (1:1). TRENCHES THAT HAVE BEEN LEFT OPEN OVERNIGHT SHOULD BE INSPECTED AND ANIMALS REMOVED PRIOR TO BACKFILLING, ESPECIALLY WHERE ENDANGERED SPECIES OCCUR.

*A. Blah*  
NMDOT Environmental Program Manager



**WH Pacific**  
6501 Americas Plaza NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

|   |                        |              |          |
|---|------------------------|--------------|----------|
| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION |                        |              |          |
| TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE               |                        |              |          |
| ENVIRONMENTAL COMMITMENTS   |                        |              |          |
| Design Review Committee   | City Engineer Approval | Mo./Day/Yr.  |          |
|   |                        |              |          |
| City Project No.  |                        | Zone Map No. | Sheet Of |
| 6795.91   |                        | N9 & P9      | 0-5 10   |

| SURVEY INFORMATION |    | BENCH MARKS |  | AS BUILT INFORMATION |      |
|--------------------|----|-------------|--|----------------------|------|
| NO.                | BY | DATE        | CONTRACTOR   | DATE                 | DATE |
|                    |    |             | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.         |                      |      |
|                    |    |             | STAMPED "3-N10" SET FLUSH ON TOP OF CONCRETE       |                      |      |
|                    |    |             | CURB IN THE NW CURB RETURN OF UNSER BLVD. SW       |                      |      |
|                    |    |             | AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF |                      |      |
|                    |    |             | CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF       |                      |      |
|                    |    |             | CENTERLINE OF UNSER BLVD SW.                       |                      |      |
|                    |    |             | STAMPED 3-N10                                      |                      |      |
|                    |    |             | ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988)      |                      |      |
|                    |    |             | N=1499674.583 E=1497276.885                        |                      |      |

RECORD DRAWING

NMDOT PROJECT NO. A301500



### SUGGESTED SEQUENCE OF CONSTRUCTION:

1. Phase 1 will construct the new northbound lane at the Amole Mesa Ave and 98th St. intersection. Traffic will not be allowed to turn east from 98th St to Amole Mesa Ave during this phase. A detour will be set up.

Install detour around Amole Mesa Ave and 98th St intersection – traffic will be routed north on 98th St, east on Blake Rd, south on Vermejo Park Dr, east on Hondo Valley Pl, South on Noon Ranch Dr, west on Valle Vidal Pl, and south on Vermejo Park Dr.

- 1.1. Demolish existing asphalt at intersection as shown on plans: Sheet 8, Phase 1 (COA Project No. 6795.91) and Sheet 7, Phase 2 (COA Project No. 6795.92)
- 1.2. Construct new roadway at intersection as shown on plans: Sheets 12 and 16, Phase 1 (COA Project No. 6795.91) and Sheets 9 and 11, Phase 2 (COA Project No. 6795.92)
- 1.3. Apply temporary striping at intersection
- 1.4. Remove detour on Amole Mesa Ave

2. Phase 2 will construct the new northbound lanes of 98th St. Traffic will remain on the existing southbound lanes of 98th St. The intersection at Amole Mesa will be kept open at all times during Phase 2.

Traffic control during Phase 2 includes routing traffic from the existing northbound lane at the Blake Rd intersection to the southbound lane.

- 2.1. Install traffic control devices to route traffic off existing northbound lane at Blake Rd intersection
- 2.2. Demolish the existing northbound lane at the Blake Rd intersection as shown on plans: Sheets 7 and 8, Phase 2 (COA Project No. 6795.92)
- 2.3. Construct northbound lanes of 98th St as shown on plans, COA Project No. 6795.91 and 6795.92
- 2.8. Remove all signage for northbound traffic in southbound lanes
- 2.9. Apply temporary striping
- 2.10. Remove traffic control devices
- 2.11. Open two lanes southbound and two lanes northbound lanes, north of Colobel Ave

3. Phase 3 will install an overlay on the southbound lanes south of Colobel Ave and north of Rio Clara Ave.

Traffic control during Phase 3 includes routing traffic from the existing southbound lanes to the northbound lanes from Colobel Ave to Rio Clara Ave.

- 3.1. Install traffic control devices to route traffic from southbound lanes to northbound lanes from Colobel Ave to Rio Clara Ave
- 3.2. Place inlay on southbound lanes as shown on plans: Sheet 9 and 10, Phase 1 (COA Project No. 6795.91)
- 3.3. Apply temporary striping
- 3.4. Remove traffic control devices
- 3.5. Open all lanes

4. Phase 4 will construct curb ramps and sidewalks as shown on plans COA Project No. 6795.91 and 6795.92

No traffic control is needed

5. Phase 5 will apply permanent striping.

Apply permanent striping with mobile unit following all City of Albuquerque safety standards. No traffic control is needed.

### TEMPORARY TRAFFIC CONTROL GENERAL NOTES:

1. Contractor must obtain from Construction Coordination an excavation/barricading permit at least two working days before engaging in any construction, maintenance, or repair work in any of the City of Albuquerque's rights-of-way. Emergency work that would preserve life or property is excluded with the understanding that a permit shall be obtained within 24 hours.
2. Contractor shall at the time of permit request, submit for approval by Construction Coordination, a traffic control plan detailing all existing topography such as lane widths, driveways, and business/residential accesses. The traffic control plan shall include all phases of work and schedules involved in the construction project. Any separate phases of a construction project shall be given an individual permit each. Blanket permits will not be issued.
3. Construction shall not begin unless a traffic control plan has been approved and verified by Construction Coordination.
4. Construction Coordination shall be notified 48 hours prior to any traffic control changes needed by contractor that were not previously approved. These traffic control changes shall be requested in writing accompanied with a traffic control plan reflecting such changes.
5. All construction traffic control devices shall comply with the Manual on Uniform Traffic Control Devices (MUTCD), latest edition. It is the responsibility of the contractor to install, service, and maintain all traffic control devices. Traffic control devices shall not be removed or altered in any way without the approval of Construction Coordination, per section SA-4 of the MUTCD, latest edition.
6. The construction traffic control initial setup shall be by an American Traffic Safety Services Association (ATSSA), or equivalent, certified work site traffic supervisor. The maintenance and servicing shall also be done by an ATSSA certified work site traffic supervisor or equivalent.
7. Contractor is responsible to maintain and service all traffic control devices 24 hours a day, 7 days a week throughout length of project. Contractor is responsible that all traffic control devices comply with the MUTCD, latest edition.
8. All advance warning signs shall be double indicated whenever there are multi-lane traffic in any one given direction and there is sufficient median space.
9. All barricades in all tapers and tangents shall be placed apart, a distance measured in feet, equal to that of the posted speed limit. No exceptions unless approved by Construction Coordination per MUTCD section SA-4.
10. All work in arterial roadways shall be on a continuous 24 hour per day basis until completed.
11. Contractor is responsible to provide Construction Coordination, a weekly log of daily inspections of barricade and maintenance schedules on projects that are over one week duration.
12. Equipment or materials shall not be stored within 15 feet of a traveled traffic lane during non-working hours without the approval of Construction Coordination.
13. Contractor shall provide and maintain a safe and adequate means of channelizing pedestrian and bicycle traffic around and through the construction area.
14. Contractor is responsible for obliteration of any conflicting striping and responsible for all temporary striping.
15. Contractor shall maintain access to all facilities, businesses and/or residences at all times.
16. Contractor shall provide access signs for businesses located within the construction area under the supervision of Construction Coordination. Each access sign shall have 5 inch, white opaque lettering on blue reflectorized background. Access signs shall be considered incidental to the bid and not part of the contract unless otherwise stated. No more than 3 businesses shall be listed on an access sign. Shopping centers and malls shall be listed as such.

17. All advance warning signs shall meet the minimum reflective intensity requirements set forth by the City of Albuquerque. Construction Coordination shall determine all requirements and approve or disapprove any advance warning sign per section 6A-4 of the MUTCD, latest edition.

18. 48 hours prior to occupying or closing a right-of-way, contractor shall notify: police, fire department, schools, hospitals, transit authority, businesses and/or residents that will be affected by the construction.

19. Any field adjustments shall be approved by Construction Coordination.

20. Excavations shall be plated, temporarily patched or resurfaced prior to opening of traffic. A minimum of 11 feet shall be provided for traffic in any given direction. Contractor is responsible for any work involved in satisfying these requirements.

21. Contractor shall at all times comply with the following:
  - a. Standards and requirements set forth in the MUTCD, latest edition.
  - b. The City of Albuquerque traffic code, latest edition.
  - c. Sections 19, 1200, and 2800 of the City of Albuquerque's standard specifications for public work construction, as well as other sections.

22. Failure to comply with any of the above mentioned will be adequate cause to cease all work on any construction project. Work will not resume until all requirements are addressed and approved by Construction Coordination.

23. All traffic control devices shall be kept in new/clean condition, washing of equipment is incidental to its placement and maintenance.

24. Traffic control standards apply only where the temporary traffic control plans are not specific.

25. Advance warning signs shall be 36" x 36" min. With super engineering grade sheeting or better. Mounting height at top of sign shall be the same as for a 48" sign as indicated in the MUTCD.




26. Contractor shall maintain a graffiti free work site. All graffiti shall be promptly removed from all equipment, both permanent and temporary.

27. Contractor shall coordinate with COA Transit with Traffic Control Plan. Contractor shall contact Nick Cordova (505)263-7924, Head of Maintenance Department (ABQ Ride) and Shabih Rizvi (505)724-3134.



**WHPacific**  
6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

|  |   |                    |    |
|--|---|--------------------|----|
|                                   |   |                    |    |
| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION                                  |   |                    |    |
| TITLE: TRAFFIC CONTROL OF 98TH STREET FROM RIO CLARA AVENUE TO BLAKE ROAD<br><b>SUGGESTED SEQUENCE OF CONSTRUCTION</b> |   |                    |    |
| Design Review Committee  | City Engineer Approval  | Last Design Update |    |
|                                   |  |                    |    |
| City Project No.   | Zone Map No.  | Sheet              | Of |
| 6795.91  |   | 0-6                | 10 |

RECORD DRAWING

|  |               |      |      |
|--|---------------|------|------|
| AS BUILT INFORMATION                               |               |      |      |
| CONTRACTOR   | WORK ORDER BY | DATE | DATE |
|  | ACCEPTANCE BY | DATE | DATE |
|  | REVISIONS     | DATE | DATE |
|  | NO.           | DATE | DATE |
| BENCH MARKS  |               |      |      |
| THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.         |               |      |      |
| STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE      |               |      |      |
| CURB IN THE NW CURB RETURN OF UNSER BLVD. SW       |               |      |      |
| AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF |               |      |      |
| CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF       |               |      |      |
| CENTERLINE OF UNSER BLVD SW.                       |               |      |      |
| STAMPED 3-N10                                      |               |      |      |
| ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988)      |               |      |      |
| N=1469674.583 E=1497276.885                        |               |      |      |
| ENGINEER'S SEAL                                    |               |      |      |
| FOR INFORMATION ONLY                               |               |      |      |
| BY   | REMARKS       | DATE | DATE |
|  | REVISIONS     | DATE | DATE |
|  | NO.           | DATE | DATE |
|  | DESIGNED BY   | DATE | DATE |
|  | DRAWN BY      | DATE | DATE |
|  | CHECKED BY    | DATE | DATE |















16 BARRELS PLACED EVERY 30' TO NARROW TO A SINGLE LANE SEE COA STANDARD DRAWING 2803 FOR DETAILS



R4-7b

MATCH LINE- SHEET



W4-2R



W4-2R



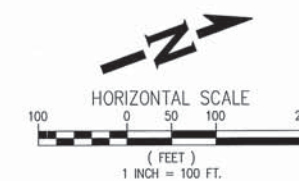
W9-2



W9-3R



W20-1



**WHPacific**  
6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

|   |                        |
|---|------------------------|
| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION   |                        |
| TITLE: TRAFFIC CONTROL OF 98TH STREET FROM RIO CLARA AVENUE TO BLAKE ROAD<br><b>PHASE 3 - SUGGESTED COLOBEL AVE CROSSOVER</b> |                        |
| Design Review Committee   | City Engineer Approval |
|   |                        |
| City Project No.  | Zone Map No.           |
| 6795.91   |                        |
| Sheet   | Of                     |
| 0-10  | 10                     |

| ENGINEER'S SEAL |  |  |  | SURVEY INFORMATION |  | BENCH MARKS |  | AS BUILT INFORMATION |  |
|-----------------|--|--|--|--------------------|--|-------------|--|----------------------|--|
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |
|                 |  |  |  |                    |  |             |  |                      |  |

RECORD DRAWING



VICINITY MAP  
N.T.S  
ZONE ATLAS - N9 & P9

## DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE







1/29/2015 2:59:38 PM  
N:\City of Albuquerque\GIS\Projects\114810\_91 - 004\_001.dwg  
W:\Projects\114810\_91 - 004\_001.dwg

LEGEND

|  |   |
|--|---|
|  | NEW STANDARD CURB & GUTTER/MEDIAN CURB & GUTTER         |
|  | EXISTING ASPHALT CONCRETE PAVEMENT TO BE REMOVED        |
|  | NEW ASPHALT CONCRETE                                    |
|  | NEW ASPHALT CONCRETE OVERLAY                            |
|  | EXISTING SIDEWALK                                       |
|  | NEW CONCRETE SIDEWALK                                   |
|  | EXISTING EDGE OF PAVEMENT                               |
|  | EXISTING WATER LINE                                     |
|  | EXISTING SANITARY SEWER LINE                            |
|  | EXISTING STORM DRAIN LINE                               |
|  | EXISTING GAS LINE                                       |
|  | EXISTING UNDERGROUND CABLE TV                           |
|  | EXISTING UNDERGROUND POWER                              |
|  | PROPOSED/EXISTING 5" PVC UNDERGROUND CONDUIT            |
|  | EXISTING 5" PVC UNDERGROUND CONDUIT                     |
|  | PROPOSED/EXISTING THREE-PHASE ALUMINUM JCN BURIED CABLE |
|  | EXISTING THREE-PHASE ALUMINUM JCN DIRECT BURIED CABLE   |
|  | PROPOSED/EXISTING 3" CONDUIT                            |
|  | PAVEMENT CENTER LINE OR MONUMENT LINE                   |
|  | DAYLIGHT LINE   |
|  | EXISTING RIGHT-OF-WAY/EASEMENT                          |
|  | NEW 36" STORM DRAIN CULVERT                             |
|  | NEW RCP STORM DRAIN PIPE                                |
|  | NEW WIRE-TIED RIPRAP                                    |
|  | NEW RUNOFF FLOWLINE                                     |
|  | NEW MAJOR GRADE LINE                                    |
|  | NEW MINOR GRADE LINE                                    |
|  | NEW CONCRETE SIDEWALK RAMP                              |
|  | EXISTING POWER VAULT                                    |
|  | EXISTING WATER VALVE                                    |
|  | EXISTING FIRE HYDRANT                                   |
|  | EXISTING STORM DRAIN MANHOLE                            |
|  | EXISTING STORM DRAIN INLET                              |
|  | EXISTING SEWER MANHOLE                                  |
|  | EXISTING STORM DRAIN MEDIAN INLET                       |
|  | EXISTING CABLE TV STRUCTURE                             |
|  | EXISTING POWER TRANSFORMER                              |
|  | EXISTING STREET LIGHT & POLE                            |
|  | PROPOSED/EXISTING TYPE C PULL BOX                       |
|  | CONTROL STATION   |
|  | EXISTING CABLE BOX                                      |
|  | EXISTING ROADWAY SIGN                                   |
|  | NEW SINGLE GRATE INLET                                  |
|  | NEW DOUBLE WING DROP INLET                              |
|  | NEW STORM DRAIN MANHOLE                                 |
|  | NEW RUNDOWN W/ RIPRAP PAD                               |
|  | POT HOLE LOCATION                                       |

ABBREVIATIONS

|         |                                 |
|---------|---------------------------------|
| DWG =   | DRAWING                         |
| PVMT =  | PAVEMENT                        |
| TC =    | TOP OF CURB                     |
| EX TC = | TOP OF EXISTING CURB            |
| BC =    | BACK OF CURB                    |
| ROW =   | RIGHT OF WAY                    |
| TCE =   | TEMPORARY CONSTRUCTION EASEMENT |

GENERAL NOTES:

1. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, INCLUDING AMENDMENT 1 ~~TO THROUGH~~ UPDATE #8, AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
3. VIBRATION MONITORING AND VIDEO TAPING DOCUMENTATION SHALL BE PERFORMED IN AND AROUND ALL STRUCTURES AS SHOWN ON THE DRAWINGS. "STRUCTURE" IS DEFINED AS BUILDINGS, RETAINING AND PRIVACY WALLS, END WALLS, DROP INLETS, CATCH BASINS, SEWER AND SERVICE PIPES, DRAINS AND OTHER FEATURES THAT MAY BE ENCOUNTERED DURING CONSTRUCTION. THE CONSTRUCTION AREA AND AREAS ADJACENT TO THE LIMITS OF CONSTRUCTION SHALL ALSO BE VIDEO TAPED. VIBRATION MONITORING AND VIDEO TAPING DOCUMENTATION SHALL BE PAID FOR AS A SEPARATE LUMP SUM PAY ITEM UNDER THE APPROPRIATE SPECIFICATION(S) LISTED ABOVE.
4. ALL CONSTRUCTION WITHIN CITY AND RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY.
5. THE CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
6. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.
8. ALL STREET STRIPING, ALTERED OR DESTROYED, SHALL BE REPLACED WITH THERMOPLASTIC REFLECTORIZED PAVEMENT MARKINGS (UNLESS OTHERWISE NOTED ON PLANS) BY THE CONTRACTOR TO SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET BY THE CONTRACTOR.
9. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO DMD, CONSTRUCTION SERVICES DIVISION, A DETAILED CONSTRUCTION SCHEDULE. OBTAIN EXCAVATION AND BARRICADE PERMIT TWO (2) DAYS PRIOR TO CONSTRUCTION.
10. NO PAVING ACTIVITIES SHALL BE STARTED UNTIL THE LOCATION AND SERVICEABILITY OF ALL UNDERGROUND UTILITIES WITHIN THE ROADWAY ARE APPROVED BY THE UTILITY OWNER AND THE CITY.
11. PNM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
12. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY 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 ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES.
13. THE REPLACEMENT OF THE RINGS/COVERS WITH THE NEW RINGS/COVERS THAT HAVE "WATER" OR "SEWER" SHOULD BE INCIDENTAL TO THE ADJUSTMENT, AS THIS IS A ABCWUA REQUIREMENT. REFER TO STD. DWG. 2460 (PAVING MANHOLE AND VALVE BOX REGRADING) REGARDING THIS ISSUE.

14. THE 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 AT A MAXIMUM OF EVERY FIFTEEN (15) FEET. THE 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.
15. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
16. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES CONTINUOUS TWENTY-FOUR (24) HOUR CONSTRUCTION.
17. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
18. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P AND COA STD. DWG. 2465.
19. IF A PAVEMENT DROP-OFF IS CREATED DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION TO MAINTAIN A SMOOTH TRANSITION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO PROJECT COMPLETION.
20. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
21. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
22. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. IDENTIFICATION OF A SITE AND VERIFICATION OF SITE SUITABILITY IS CONSIDERED INCIDENTAL TO THE COST OF PROJECT BID ITEM.
23. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
24. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.



**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

|   |                            |                               |                               |
|---|----------------------------|-------------------------------|-------------------------------|
|   |                            |                               |                               |
| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION |                            |                               |                               |
| TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE               |                            |                               |                               |
| GENERAL NOTES AND LEGEND  |                            |                               |                               |
| Design Review Committee<br>   | City Engineer Approval<br> | Mo./Day/Yr.<br>____/____/____ | Mo./Day/Yr.<br>____/____/____ |
| City Project No.<br>6795.91   | Zone Map No.<br>N9 & P9    | Sheet<br>1-3                  | Of<br>32                      |
| NMDOT PROJECT NO. A301500   |                            |                               |                               |

RECORD DRAWING



GENERAL NOTES CONTINUED:

25. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS, DESIGNATED TRAFFIC LANES, OR PEDESTRIAN PATHWAYS. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
26. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
27. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE M.U.T.C.D., U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
28. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
29. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVEPADS, CURB RAMPS, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER COA STANDARDS, AT HIS OWN EXPENSE.
30. CONTRACTOR IS RESPONSIBLE FOR DRAINAGE MANAGEMENT AND EROSION CONTROL AT ALL TIMES DURING THE CONSTRUCTION PERIOD.
31. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
32. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
33. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE PROJECT SITE INTO PUBLIC RIGHT-OF-WAY.
34. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
35. ANY DISTURBED OR CONSTRUCTED SLOPE EXCEEDING 3:1 SHALL BE RE-VEGETATED/SEEDED WITH CLASS "A" NATIVE SEED WITH STRAW MULCH.
36. GUARDS SHALL BE LOCATED ALONG OPEN-SIDED WALKING SURFACES THAT ARE LOCATED MORE THAN 30 INCHES MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 36 INCHES HORIZONTALLY TO THE EDGE OF THE OPEN SIDE. GUARDS SHALL BE IN ACCORDANCE WITH SECTION 1013 OF THE 2009 IBC.
37. CONTRACTOR SHALL TRANSPORT ALL REMOVED AND SALVAGED SIGNS TO PINO YARDS OR LOCATION DIRECTED BY THE CITY'S PROJECT MANAGER AT NO ADDITIONAL COST.
38. CONTRACTOR SHALL ADHERE TO COA SPEC 331 FOR THE ASPHALT CONCRETE OVERLAY FROM STA 10+00 TO STA 20+07, PARTICULARLY IN REGARDS TO MATERIALS, METHODS, AND PREPARATION OF SURFACES.
39. WARPING OF SLOPES: THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY, AS APPROVED BY THE PROJECT MANAGER, TO STAY WITHIN THE RIGHT-OF-WAY OR CONSTRUCTION EASEMENT LIMITS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
40. ANTI-GRAFFITI: CONTRACTOR SHALL MAKE EVERY EFFORT TO REMOVE GRAFFITI FROM ANY EXISTING OR RELOCATED SIGN WITHIN THE PROJECT CORRIDOR. GRAFFITI REMOVAL SHALL BE INCIDENTAL TO THE COMPLETION OF THE PROJECT.
41. CONCRETE PROCEDURAL NOTE: BEFORE SCHEDULING DELIVERY OF CONCRETE, CONTRACTOR SHALL MEET WITH CITY INSPECTOR/PM TO ENSURE THE CONCRETE FORMWORK IS CONSTRUCTED TO DIMENSIONS AND GRADES SHOWN ON PLANS AND MEETS PROWAG, 2011 TECHNICAL DESIGN CRITERIA. CALIBRATE 24" ELECTRONIC DIGITAL LEVEL WITH CONTRACTOR'S ELECTRONIC DIGITAL LEVEL PRIOR TO VERIFYING MEASUREMENTS. VERIFY MEASUREMENTS MEET REQUIREMENTS OR REQUIRE CORRECTION OF ALL DISCREPANCIES BEFORE SCHEDULING OF CONCRETE TO ENSURE THE FINISHED CONCRETE WILL MEET PROWAG. WHEN ALL MEASUREMENTS MEET REQUIREMENTS THEN THE INSPECTOR SHALL PERMIT CONCRETE POUR. REPEAT THE PROCEDURE AFTER CONCRETE POUR TO ENSURE THE CURB RAMP MEETS PROWAG COMPLIANCE. FINAL ACCEPTANCE OF A CURB RAMP DOES NOT OCCUR UNTIL THE FINAL INSPECTION OF THE PROJECT.

42. CONTRACTOR SHALL CLEARLY IDENTIFY THE PROJECT RIGHT-OF-WAY LIMITS. CONTRACTOR SHALL NOT WORK OUTSIDE OF THE PROJECT RIGHT-OF-WAY LIMITS. CONTRACTOR SHALL PLACE RIGHT-OF-WAY MARKERS (STAKES, FLAGS, ETC.) AT A MINIMUM OF 100 FOOT SPACING (OR LESS AS NEEDED) TO CLEARLY DELINEATE THE LIMITS. MARKERS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.

STORM DRAIN NOTES

1. RCP SHALL BE INSTALLED SO THAT THE JOINT CAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINING GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AFTER APPROVAL.
2. STORM DRAIN LINES ARE REFLECTED FROM ASBUILT PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING STORM DRAIN CONFLICTS DURING CONSTRUCTION.
3. IN THE CASE OF A CONFLICT BETWEEN CONDUIT OR EQUIPMENT PLACEMENT AND STORM DRAIN, CONTRACTOR SHALL INFORM THE CONSTRUCTION MANAGEMENT TEAM AND THE CITY PROJECT MANAGER, KELLIE SHAW, PE (505-768-3659) BEFORE PROCEEDING WITH ANY DEVIATIONS FROM THE PLANS.
4. SHOULD ANY IMPACT OCCUR TO STORM DRAIN PIPE DURING CONSTRUCTION EFFORTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE CITY OF ALBUQUERQUE STORM DRAIN MAINTENANCE TO INSPECT THE IMPACTED PIPE.
5. REPAIRS TO IMPACTED PIPE REQUIRED BY THE CITY OF ALBUQUERQUE STORM DRAIN MANAGEMENT PERSONNEL SHALL BE THE FINANCIAL AND CONSTRUCTION RESPONSIBILITY OF THE CONTRACTOR.

WATER AND SEWER NOTES

1. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) WORKING DAYS IN ADVANCE OF PERFORMING ANY WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUT OFF REQUESTS MUST BE MADE ONLINE AT [HTTP://WWW.ABCWUA.ORG/WATER\\_SHUT\\_OFF\\_AND\\_TURN\\_ON\\_PROCEDURES.ASPX](http://www.abcwua.org/WATER_SHUT_OFF_AND_TURN_ON_PROCEDURES.ASPX)
2. UTILITY WORK WITHIN THE SERVICE AREA OF ABCWUA SHALL BE CONSTRUCTED IN ACCORDANCE WITH ABCWUA SPECIFICATIONS FOR WATER AND WASTEWATER FACILITIES (MOST RECENT REVISIONS).
3. PROPOSED WATERLINE MATERIALS SHALL BE PVC PIPE MEETING AWWA C-900: DR18 REQUIREMENTS (6" - 12"), DUCTILE IRON PIPE MEETING AWWA C-150 REQUIREMENTS (6" - 64").
4. ALL FITTINGS ON WATERLINE SHALL HAVE RESTRAINED JOINTS AS NOTED ON THE PLANS OR AS SPECIFIED UNDER SECTION 801.12-13.
5. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO SECTION 801.9.10 and 170 OF THE CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.



**WH Pacific**  
6501 American Plaza NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102



CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
TRANSPORTATION DIVISION

TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE

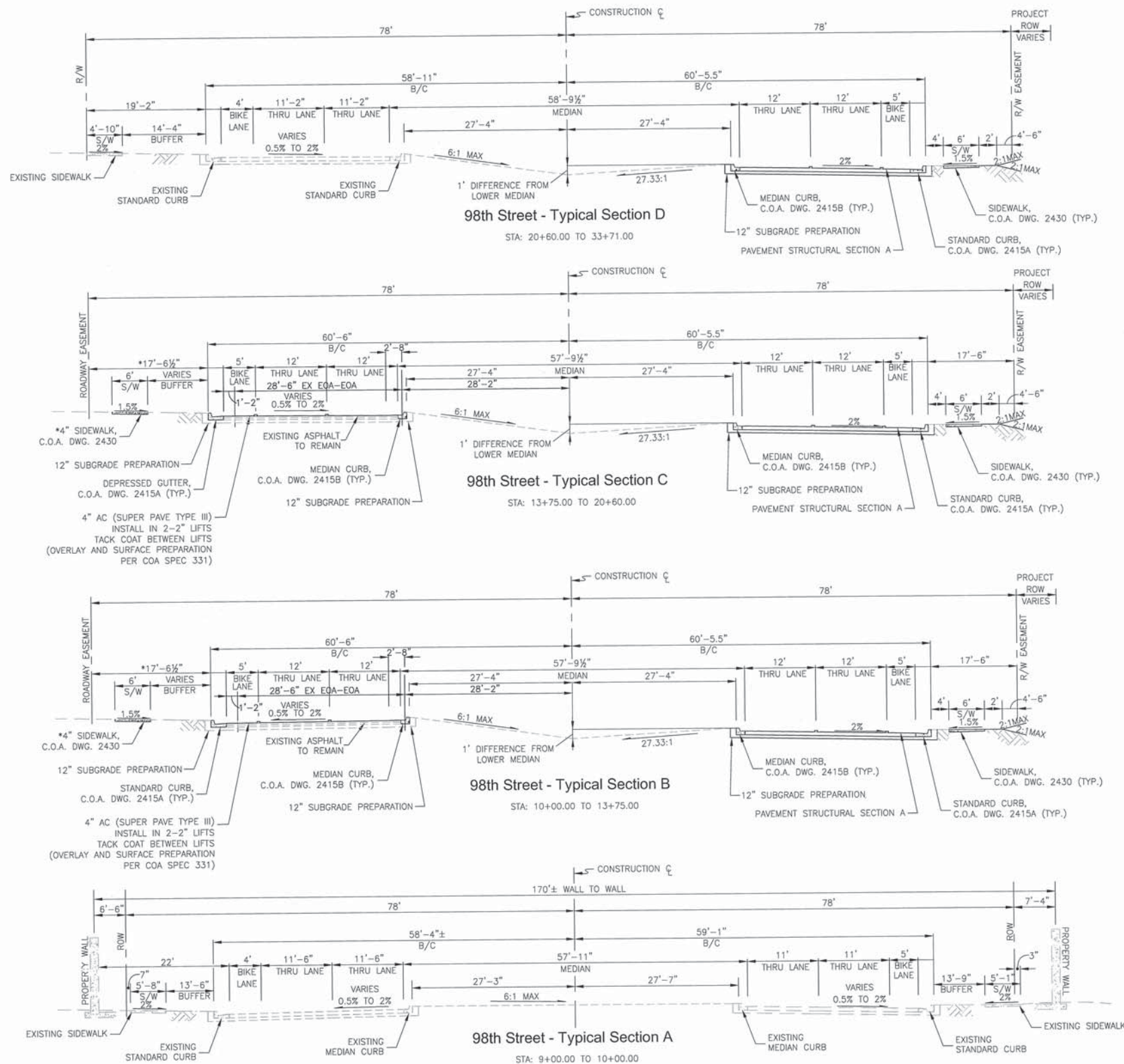
GENERAL NOTES AND LEGEND

|   |  |                 |                 |
|---|--|-----------------|-----------------|
| Design Review Committee<br><b>APPROVE</b><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE | City Engineer Approval<br><b>APPROVE</b><br>MAR 10 2015<br>CITY ENGINEER | Mo./Day/Yr.<br> | Mo./Day/Yr.<br> |
| City Project No.<br>6795.91   | Zone Map No.<br>N9 & P9  | Sheet<br>1-4    | Of<br>32        |

NMDOT PROJECT NO. A301500

RECORD DRAWING





4 TO 5" AC  
PREPARED SUBGRADE  
TOTAL THICKNESS = 4 TO 5 INCHES  
**EXISTING PAVEMENT  
STRUCTURAL SECTION**

3" AC (SUPER PAVE TYPE III)  
TACK COAT  
3" AC (SUPER PAVE TYPE III)  
9" AB (95% COMPACTION)  
12" SUBGRADE PREPARATION (95% COMPACTION)  
DESIGN R-VALUE ≥ 46\*  
TOTAL THICKNESS = 15 INCHES

#### PAVEMENT STRUCTURAL SECTION A

\* IF CONTRACTOR ENCOUNTERS SOILS WITH R-VALUE < 46  
CONTRACTOR SHALL REMOVE SUBGRADE SOILS TO A DEPTH  
OF 2" AND REPLACE WITH SUITABLE MATERIAL

- NOTE:  
1. 12" SUBGRADE PREPARATION (95% COMPACTION)  
REQUIRED IN BUFFER AREAS.  
2. GRADE MEDIAN TO 1" BELOW TOP OF MEDIAN CURB AND  
IN BUFFER LOCATIONS.



**WHPacific**  
6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION |   |             |             |
|---|---|-------------|-------------|
| TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE               |   |             |             |
| TYPICAL SECTIONS  |   |             |             |
| Design Review Committee   | City Engineer Approval                  | Mo./Day/Yr. | Mo./Day/Yr. |
| APPROVE<br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE                                     | APPROVE<br>MAR 10 2015<br>CITY ENGINEER |             |             |
| City Project No.  | Zone Map No.                            | Sheet       | Of          |
| 6795.91   | N9 & P9                                 | 1-5         | 32          |
| NMDOT PROJECT NO. A301500   |   |             |             |

| AS BUILT INFORMATION |      | BENCH MARKS  |      | SURVEY INFORMATION |     | ENGINEER'S SEAL |       |
|----------------------|------|--|------|--------------------|-----|-----------------|-------|
| CONTRACTOR           | DATE | THE MONUMENT IS A CON. 3 1/4" ALUMINUM CAP.        | DATE | FIELD NOTES        | NO. | HOWARD R. CAKE  | 16886 |
| WORK STAMPED BY      | DATE | STAMPED "3-1/4" SET FLUSH ON TOP OF CONCRETE       | DATE | BY                 |     |                 |       |
| APPROVED BY          | DATE | CURB IN THE NW CORNER RETURN OF UNSER BLVD. SW     | DATE |                    |     |                 |       |
| DESIGNED BY          | DATE | AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF | DATE |                    |     |                 |       |
| DRAWN BY             | DATE | CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF       | DATE |                    |     |                 |       |
| CHECKED BY           | DATE | CENTERLINE OF UNSER BLVD SW.                       | DATE |                    |     |                 |       |
| RECORDED BY          | DATE | STAMPED 3-N10                                      | DATE |                    |     |                 |       |
| NO.                  |      | ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988)      |      |                    |     |                 |       |
|                      |      | N=1469674.583 E=1497276.885                        |      |                    |     |                 |       |

RECORD DRAWING



# SUMMARY OF QUANTITIES

| Bid Item # | Item ID # | Description  | Quantity | Unit |
|------------|-----------|--|----------|------|
| 1          | 4.01      | Construction Staking, compl.   | 1        | LS   |
| 2          | 19.01     | Construction Traffic Control & Barricading, compl.   | 1        | LS   |
| 3          | 116.016   | Placement Arterial Asphalt Concrete, 3-Inch Lift, cip.   | 20,111   | SY   |
| 4          | 116.02    | Placement Arterial Asphalt Concrete, 2-Inch Lift, cip.   | 6,653    | SY   |
| 5          | 201.01    | Site Clearing and Grubbing, compl.   | 6.5      | AC   |
| 6          | 201.061   | Erosion Control Silt Fence, 3' high, w/5' steel posts @ 10' on center, cip.                                  | 2,500    | LF   |
| 7          | 204.01    | Fill, construction incl. excavation, placement & compaction of unclassified material, over 2 ft. deep, cip.  | 7,500    | CY   |
| 8          | 301.02    | Subgrade Preparation, 12" at 95% compaction, cip.  | 10,056   | SY   |
| 9          | 302.01x   | Aggregate Base Course, Crushed, 9" at 95% compaction, cip. SD 2408   | 10,056   | SY   |
| 10         | 336.01    | Prime Coat, emulsified asphalt, cip.   | 13,511   | SY   |
| 11         | 336.024   | Asphalt Concrete, 3" thick, Superpave  | 20,405   | SY   |
| 12         | 336.022   | Asphalt Concrete, 2" thick, Superpave  | 6,689    | SY   |
| 13         | 336.12    | Tack coat, cationic emulsified asphalt, cip.   | 13,511   | SY   |
| 14         | 340.01    | Sidewalk, 4" thick, Portland Cement Concrete, incl. subgrade compaction, cip. SD 2430                        | 2,425    | SY   |
| 15         | 340.21    | 24-inch Sidewalk Drain, cip., SD 2236  | 3        | EA   |
| 16         | 340.025   | Curb Ramp, 4" PCC, Std. Curb., cip. SD 2418  | 7        | EA   |
| 17         | 340.05    | Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415                  | 3,606    | LF   |
| 18         | 340.06    | Curb & Gutter, Median, Portland Cement Concrete, cip. SD 2408  | 3,517    | LF   |
| 19         | 340.3     | 4" Median Pavement, Portland Cement Concrete, incl. subgrade compaction, cip.                                | 145      | SY   |
| 20         | 343.02    | Existing Pavement, Asphalt Concrete, up to 4" thick, sawcut, remove & Dispose, compl.                        | 70       | SY   |
| 21         | 343.03    | Existing Pavement, Asphalt Concrete, more than 4" thick, sawcut, remove & Dispose, compl.                    | 1,102    | SY   |
| 22         | 343.08    | Existing Curb, Asphalt Concrete, remove & dispose, compl.  | 218      | LF   |
| 23         | 343.085   | Existing Sidewalk, 4" PC Concrete, remove & dispose  | 89       | SY   |
| 24         | 440.001   | Reflectorized Painted Marking, CIP   | 1,374    | LF   |
| 25         | 440.035   | Non-Reflectorized Parking Marking, Any Color or Shape, CIP   | 175      | LF   |
| 26         | 441.001   | Reflectorized Plastic Pavement Markings, 4" Width Yellow, CIP  | 3,246    | LF   |
| 27         | 441.002   | Reflectorized Plastic Pavement Markings 6" Width White, CIP  | 5,836    | LF   |
| 28         | 441.003   | Reflectorized Plastic Pavement Markings 8" Width White, CIP  | 594      | LF   |
| 29         | 441.005   | Reflectorized Plastic Pavement Markings, 24" Width White, CIP  | 89       | LF   |
| 30         | 441.010   | Reflectorized Preformed Plastic Arrow, Right, CIP  | 2        | EA   |
| 31         | 441.011   | Reflectorized Preformed Plastic Arrow, Left, CIP   | 8        | EA   |
| 32         | 441.020   | Reflectorized Preformed Plastic Word, "Only" CIP   | 5        | EA   |
| 33         | 441.031   | Reflectorized Preformed Plastic Symbol, Bicycle CIP  | 12       | EA   |
| 34         | 443.101   | Removal of Stripe, any width, paint or plastic, comp.  | 7,426    | LF   |
| 35         | 443.102   | Removal of Pavement Arrow, Symbol, or Word, painted or plastic, CIP.   | 12       | EA   |
| 36         | 450.001   | Aluminum Panel Sign, CIP   | 109      | SF   |
| 37         | 450.01    | Square Tube Steel Posts & Base Posts for Aluminum Panel Sign, CIP  | 231      | LF   |
| 38         | 450.101   | Sign, Post, & Base Post, Remove & Salvage, compl.  | 25       | EA   |
| 39         | 450.102   | Sign, Post, & Base Post, Remove & Relocate, compl.   | 8        | EA   |
| 40         | 501.02    | Existing Drainage Structure of Channel Lining, Reinforced Concrete, Remove & Dispose, compl.                 | 48       | CY   |
| 41         | 601.01    | Excavation, Backfill & Compaction for Channels, incl.. Relocation of material and finished grading, cip.     | 580      | CY   |
| 42         | 603.034   | Construct 2' deep rip-rap lined ditch-complete, including geotextile   | 113      | CY   |
| 43         | 701.1     | Trenching, Backfilling, & Compaction for 18" to 36" sewer pipe, up to 8' in depth, pipe not included, compl. | 668      | LF   |
| 44         | 901.73    | Remove and Dispose 30" Storm Drain, trenching not incl. cip. SD 2125   | 78       | LF   |
| 45         | 910.006   | 18" RCP, Class IV, Furnish and Place in Open Trench, cip   | 119      | LF   |
| 46         | 910.006"a | 14"x23" RCP, Class IV, Elliptical RCP  | 149      | LF   |
| 47         | 910.009   | 24" RCP, Class III, Furnish and Place in Open Trench, cip.   | 88       | LF   |
| 48         | 910.017   | 36" RCP, Class III, Furnish and Place in Open Trench, cip  | 312      | LF   |
| 49         | 910.104   | Drain Line Removal 21" to 48", excl. trenching, compl.   | 155      | LF   |
| 50         | 510.11    | NMDOT Headwalls per Standard Drawing 511-03  | 10       | CY   |
| 51         | 915.010   | Catch Basin, Type "A", Single grate, cip. SD 2201  | 1        | EA   |
| 53         | 915.010   | Catch Basin, Type "A", Double Wing   | 2        | EA   |
| 54         | 915.050   | Catch Basin, Type "D", Single Grate, cip. SD 2205  | 2        | EA   |
| 55         | 915.07    | Catch Basin, Existing, Remove & Dispose, any type, incl. cleanup, comp. SD 2200                              | 2        | EA   |
| 56         | 920.4     | Existing Manhole Frame & Cover, adjust to grade with metal rings, 2" or less, cip. SD 2111                   | 1        | EA   |
| 57         | 920.58    | Existing Manhole, Abandon-in-Place, fill with cement treated base material, compacted, all sizes, cip.       | 1        | EA   |
| 58         | 1011.01   | Seeding, Class "A", Native, cip.   | 4        | AC   |
| 59         | 30.02     | NPDES Permitting, compl.   | 1        | LS   |
| 62         | 6.05      | Construction Mobilization, compl.  | 1        | LS   |



**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

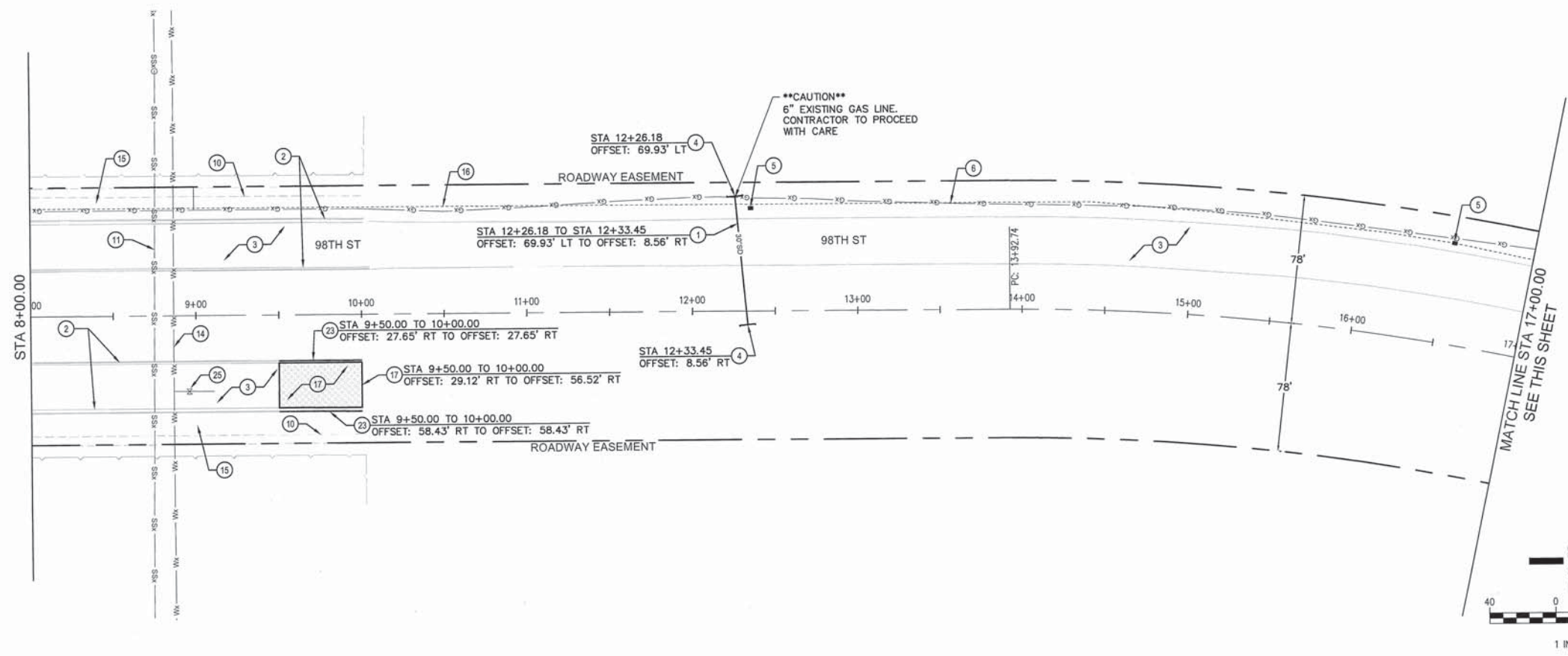
|   |                        |             |             |
|---|------------------------|-------------|-------------|
|   |                        |             |             |
| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION |                        |             |             |
| TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE               |                        |             |             |
| SUMMARY OF QUANTITIES   |                        |             |             |
| Design Review Committee   | City Engineer Approval | Mo./Day/Yr. | Mo./Day/Yr. |
|   |                        |             |             |
| City Project No.  | Zone Map No.           | Sheet       | Of          |
| 6795.91   | N9 & P9                | 1-6         | 32          |
| NMDOT PROJECT NO. A301500   |                        |             |             |

|                      |      |  |  |                    |     |                 |      |
|----------------------|------|--|--|--------------------|-----|-----------------|------|
| AS BUILT INFORMATION |      | BENCH MARKS                                  |  | SURVEY INFORMATION |     | ENGINEER'S SEAL |      |
| CONTRACTOR           | DATE | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.   | STAMPED "3-N10"                                    | FIELD NOTES        | NO. | BY              | DATE |
| STATIONED BY         | DATE | CURB IN THE NW CURB RETURN OF UNSER BLVD. SW | AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF |                    |     |                 |      |
| ADJUSTED BY          | DATE | CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF | CENTERLINE OF UNSER BLVD SW.                       |                    |     |                 |      |
| RECORDED BY          | DATE | STAMPED 3_N10                                | ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988)      |                    |     |                 |      |
|                      |      |  | N=1469674.583 E=1497276.885                        |                    |     |                 |      |

RECORD DRAWING

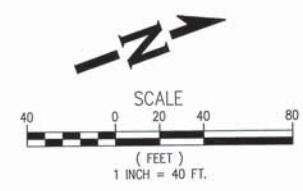
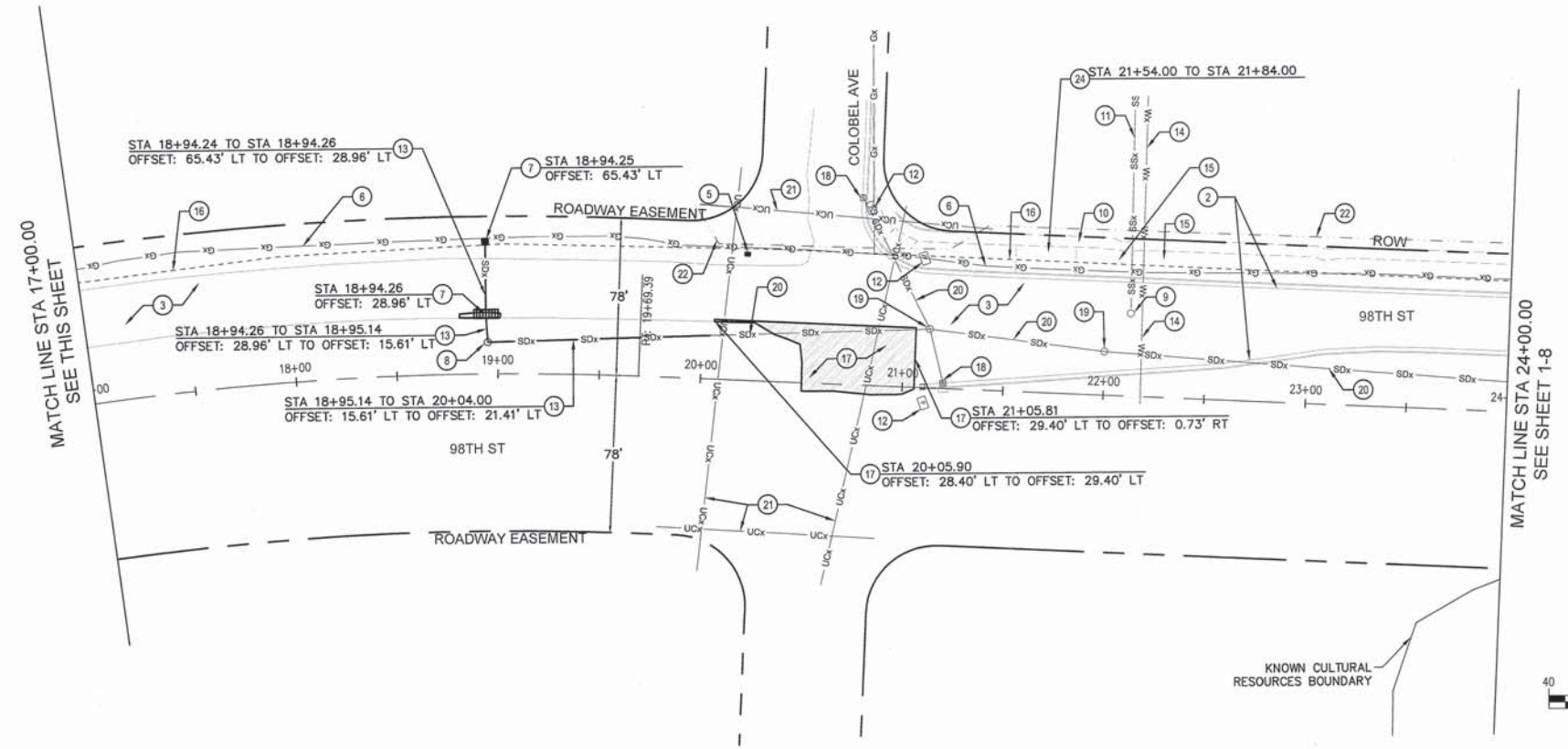
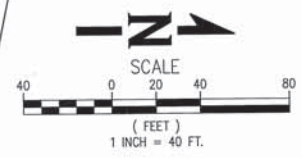


1/23/2015 3:03:37 PM  
H:\Projects\2015\15-0000\Drawings\15-0000.dwg  
P:\Users\jldavis\OneDrive\Documents\15-0000.dwg



### CONSTRUCTION NOTES

1. REMOVE & DISPOSE OF EXISTING 30" CORRUGATED STORM DRAIN PIPE
2. EXISTING CURB & GUTTER TO REMAIN & TO BE PROTECTED
3. EXISTING PAVEMENT TO REMAIN & TO BE PROTECTED
4. REMOVE & DISPOSE OF EXISTING STORM DRAIN HEADWALL
5. EXISTING TYPE C PULL BOX PER COA PROJECT NO. 7908.07 TO REMAIN & TO BE PROTECTED
6. EXISTING GAS LINE TO REMAIN & TO BE PROTECTED
7. REMOVE & DISPOSE OF EXISTING INLET
8. ABANDON IN PLACE EXISTING STORM DRAIN MANHOLE
9. EXISTING SANITARY SEWER MANHOLE TO REMAIN & TO BE PROTECTED
10. EXISTING SIDEWALK TO REMAIN & TO BE PROTECTED
11. EXISTING SANITARY SEWER PIPE TO REMAIN & TO BE PROTECTED
12. EXISTING POWER VAULT TO REMAIN & TO BE PROTECTED
13. REMOVE & DISPOSE OF EXISTING STORM DRAIN PIPE
14. EXISTING WATER LINE TO REMAIN & TO BE PROTECTED
15. EXISTING LANDSCAPING TO REMAIN & TO BE PROTECTED
16. EXISTING 3" CONDUIT PER COA PROJECT NO. 7908.07 TO REMAIN & TO BE PROTECTED
17. SAWCUT, REMOVE & DISPOSE OF EXISTING PAVEMENT
18. EXISTING STORM DRAIN INLET TO REMAIN & TO BE PROTECTED
19. EXISTING STORM DRAIN MANHOLE TO REMAIN & TO BE PROTECTED
20. EXISTING STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
21. EXISTING 5" PVC UNDERGROUND CONDUIT TO REMAIN & TO BE PROTECTED
22. EXISTING THREE-PHASE ALUMINUM JCN DIRECT BURIED CABLE TO REMAIN & TO BE PROTECTED
23. REMOVE AND DISPOSE OF EXISTING CURB & GUTTER
24. EXISTING BUS STOP & SHELTER TO REMAIN & TO BE PROTECTED IN PLACE
25. EXISTING WATER VALVE AND BOX TO REMAIN AND BE PROTECTED IN PLACE



Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
260-1990

**WHPacific**  
6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

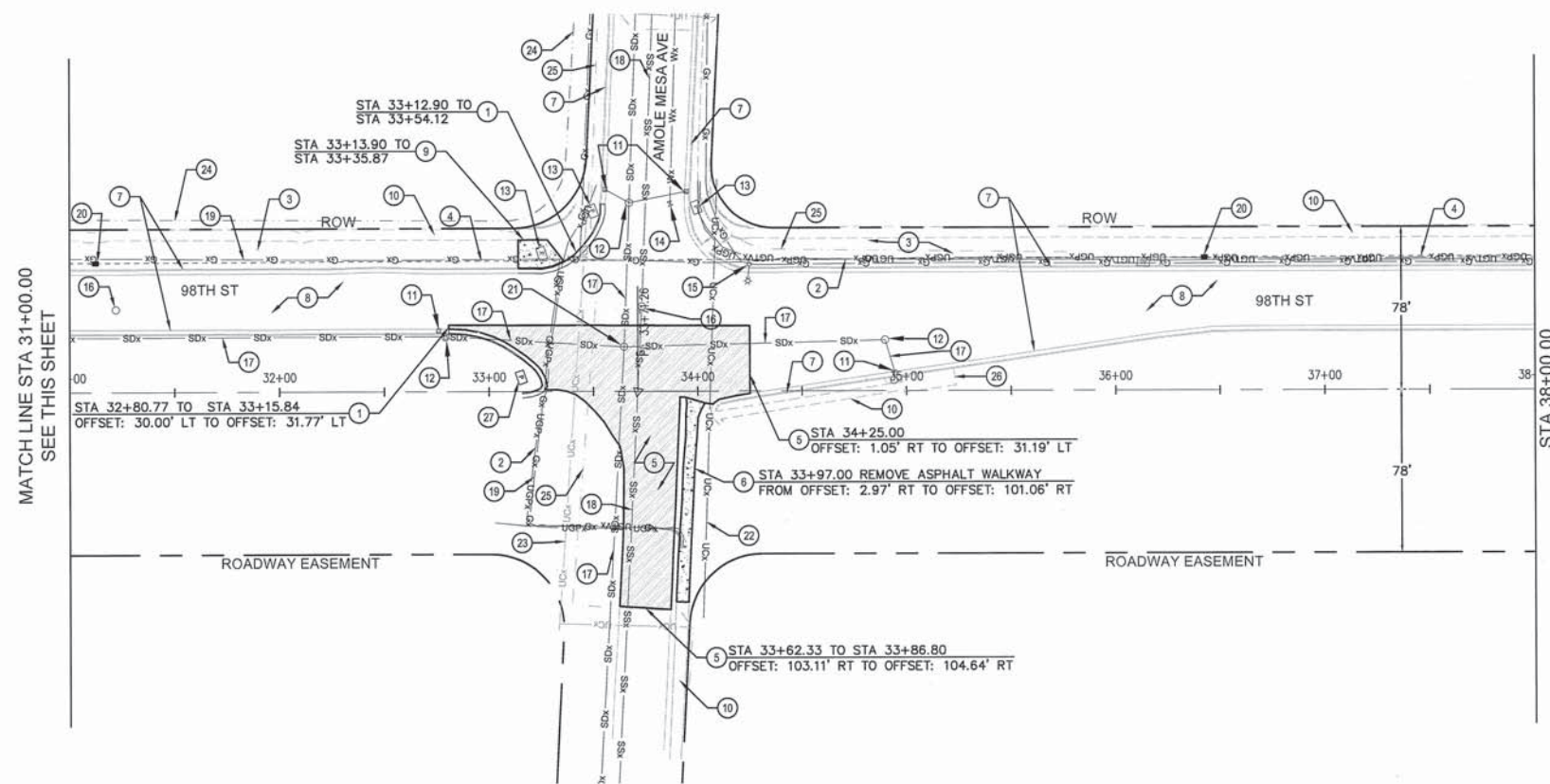
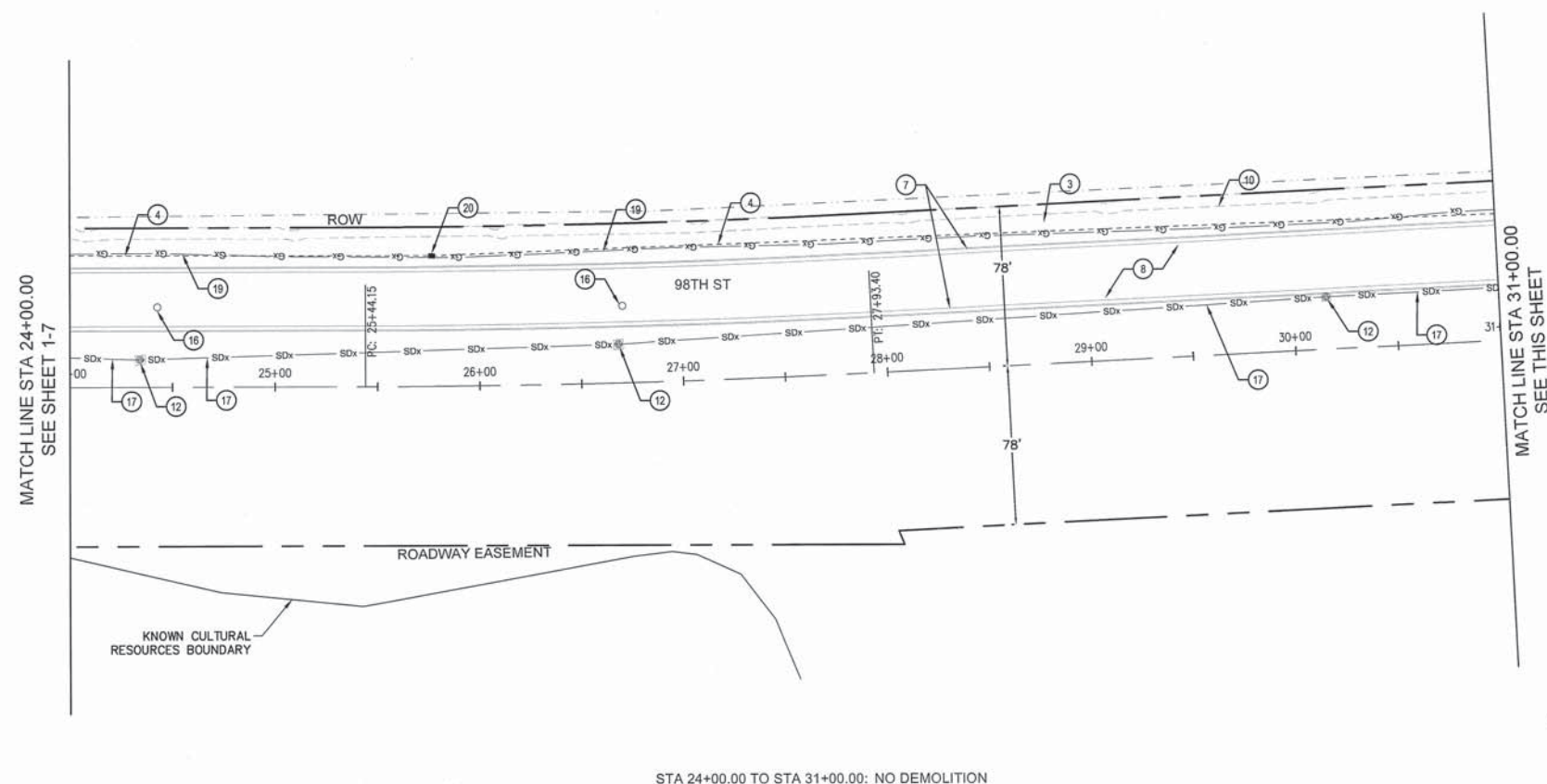
**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION |  |
|---|--|
| TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE               |  |
| DEMOLITION PLAN   |  |
| 98TH STREET STA 8+00.00 TO STA 24+00.00   |  |
| Design Review Committee   | City Engineer Approval                   |
| APPROVED<br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE                                    | APPROVED<br>MAR 10 2015<br>CITY ENGINEER |
| City Project No.  | Zone Map No.                             |
| 6795.91   | N9 & P9                                  |
| Sheet   | Of                                       |
| 1-7   | 32                                       |
| NMDOT PROJECT NO. A301500   |  |

| AS BUILT INFORMATION |      | BENCH MARKS  |      | SURVEY INFORMATION |      | ENGINEER'S SEAL |      |
|----------------------|------|--|------|--------------------|------|-----------------|------|
| CONTRACTOR           | DATE | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.         | DATE | FIELD NOTES        | DATE | HOWARD R. CAKE  | DATE |
| WORK STARTED BY      | DATE | STAMPED "3-N10" SET FLUSH ON TOP OF CONCRETE       | DATE | BY                 | DATE | NEW MEXICO      | DATE |
| APPROVED BY          | DATE | CURB IN THE NW CURB RETURN OF UNSER BLVD. SW       | DATE | NO.                | DATE | 16896           | DATE |
| DESIGNED BY          | DATE | AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF | DATE |                    | DATE | 215 UJA         | DATE |
| DRAWN BY             | DATE | CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF       | DATE |                    | DATE | 215 UJA         | DATE |
| CHECKED BY           | DATE | CENTERLINE OF UNSER BLVD SW.                       | DATE |                    | DATE | 215 UJA         | DATE |
| RECORDED BY          | DATE | STAMPED 3-N10                                      | DATE |                    | DATE | 215 UJA         | DATE |
| NO.                  | DATE | ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988)      | DATE |                    | DATE | 215 UJA         | DATE |
|                      | DATE | N=1469674.583 E=1497276.885                        | DATE |                    | DATE | 215 UJA         | DATE |

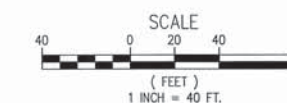
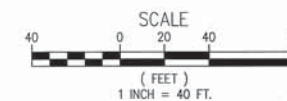
RECORD DRAWING





---

CONSTRUCTION NOTES



| SURVEY INFORMATION |    | BENCH MARKS |   | AS BUILT INFORMATION |      |
|--------------------|----|-------------|---|----------------------|------|
| FIELD NOTES        |    |             |   |                      |      |
| NO.                | BY | DATE        | DESCRIPTION   | CONTRACTOR           | DATE |
|                    |    |             | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP, STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BLVD. SW | STARTED BY           | DATE |
|                    |    |             | AND BLAKE RD. SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD. SW. AND 92.0' WEST OF CENTERLINE OF UNSER BLVD. SW.       | APPROVED BY          | DATE |
|                    |    |             | STAMPED 3_N10   | DESIGNED BY          | DATE |
|                    |    |             | ELEVATION=5036.496 FT (2ND ORDER) (NAVD. 1988)  |                      |      |
|                    |    |             | MICRO-FILM INFORMATION  |                      |      |
|                    |    |             | RECORDED BY   |                      |      |
|                    |    |             | NO.   |                      |      |



**WHPacific**

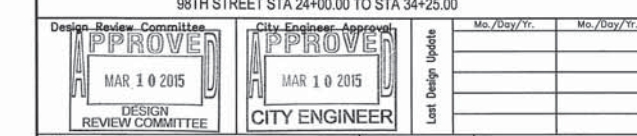
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists

500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102



TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE  
DEMOLITION PLAN  
CITY OF ALBUQUERQUE, NEW MEXICO  
SHEET NO. 1 OF 1



|                  |               |       |    |
|------------------|---------------|-------|----|
| REVIEW COMMITTEE | CITY ENGINEER | 3     |    |
| City Project No. | Zone Map No.  | Sheet | Of |
| 6795.91          | N9 & P9       | 1-8   | 32 |

NMDOT PROJECT NO. A30150

RECORD DRAWING



1/19/2015 3:03:53 PM



City of Albuquerque\021528\Design\Drawings\Civil\Phase 1\08In 5t - spot.dwg

CONSTRUCTION NOTES ○

- | BACK OF CURB CURVE TABLE (BC) |          |            |                |         |
|-------------------------------|----------|------------|----------------|---------|
| CURVE #                       | RADIUS   | ARC LENGTH | TANGENT LENGTH | DELTA   |
| BC1                           | 1560.46' | 599.89'    | 303.70'        | 022°01' |
| BC2                           | 1527.73' | 587.16'    | 297.25'        | 022°01' |
| BC3                           | 1472.67' | 416.97'    | 209.89'        | 016°13' |
| BC4                           | 1439.54' | 417.29'    | 210.12'        | 016°36' |

**HORIZONTAL SCALE**

40 0 20 40

( FEET )  
1 INCH = 40 FT.

**VERTICAL SCALE**

2 0 1 2

( FEET )  
1 INCH = 2 FT.

Two working days before you dial  
CALL NEW MEXICO ONE CALL

260-1990


**WHPacific**

6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
[www.whpacific.com](http://www.whpacific.com)

**WHPacific** INTERNATIONAL  
Engineers | planners | scientists

500 4th Street NW Suite 403  
Bank of America Center  
Albuquerque, NM 87102

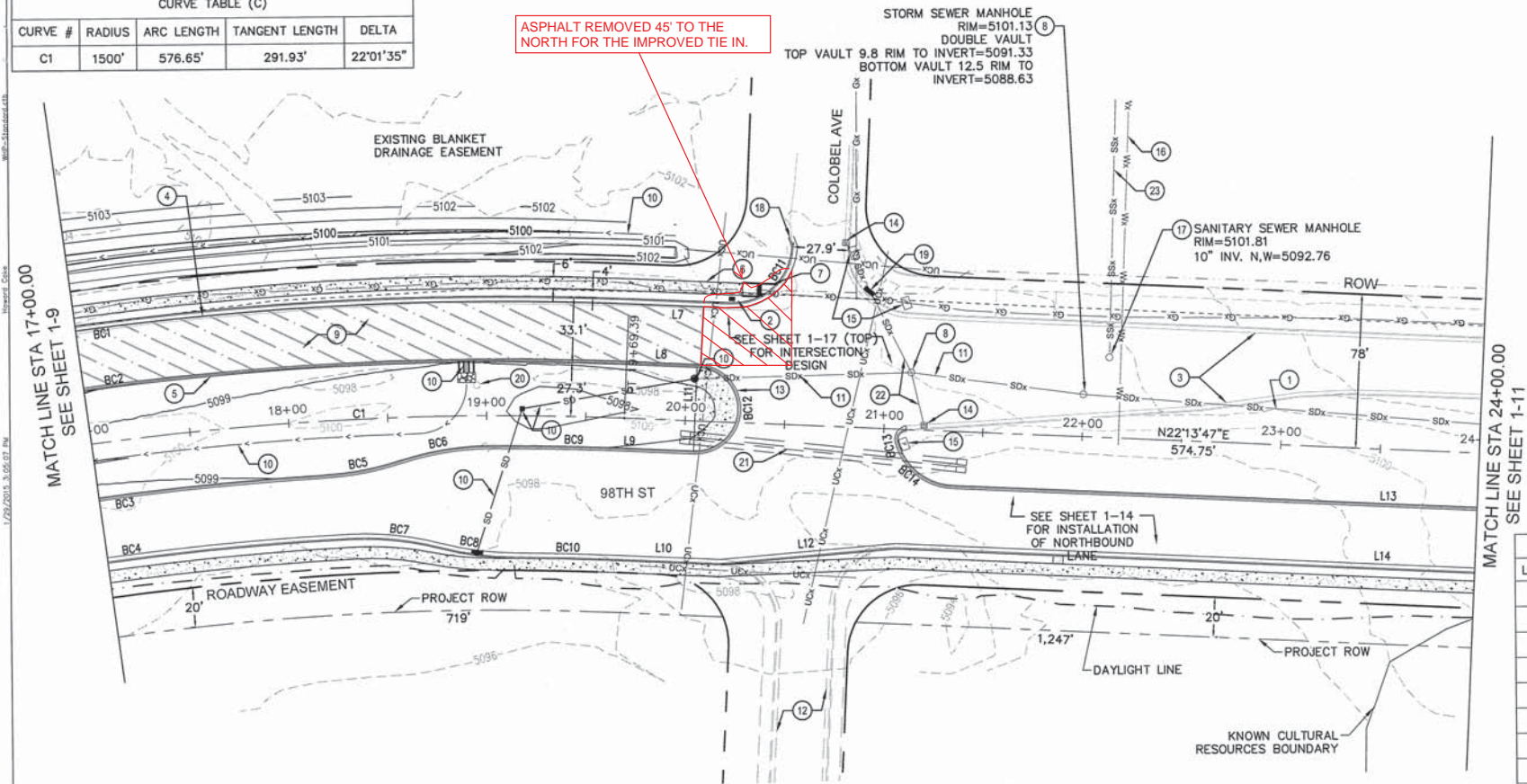
**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

|   | CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION   |                      |  |             |             |  |  |  |  |  |  |  |  |  |  |
|--|---|----------------------|--|-------------|-------------|--|--|--|--|--|--|--|--|--|--|
|  | TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE<br><h2 style="margin: 0;">PLAN AND PROFILE</h2> SOUTHBOUND 98TH STREET STA 10+00.00 TO STA 17+00.00   |                      |  |             |             |  |  |  |  |  |  |  |  |  |  |
| Design Review Committee<br><div style="border: 1px solid black; padding: 5px; text-align: center;"> <h3 style="margin: 0;">APPROVE</h3> <p style="margin: 5px 0;">MAR 10 2015</p> <p style="margin: 0;">DESIGN REVIEW COMMITTEE</p> </div> | City Engineer Approval<br><div style="border: 1px solid black; padding: 5px; text-align: center;"> <h3 style="margin: 0;">APPROVE</h3> <p style="margin: 5px 0;">MAR 10 2015</p> <p style="margin: 0;">CITY ENGINEER</p> </div> | Last Design Update   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Mo./Day/Yr.</th> <th style="width: 50%;">Mo./Day/Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> | Mo./Day/Yr. | Mo./Day/Yr. |  |  |  |  |  |  |  |  |  |  |
| Mo./Day/Yr.  | Mo./Day/Yr.   |                      |  |             |             |  |  |  |  |  |  |  |  |  |  |
|  |   |                      |  |             |             |  |  |  |  |  |  |  |  |  |  |
|  |   |                      |  |             |             |  |  |  |  |  |  |  |  |  |  |
|  |   |                      |  |             |             |  |  |  |  |  |  |  |  |  |  |
|  |   |                      |  |             |             |  |  |  |  |  |  |  |  |  |  |
|  |   |                      |  |             |             |  |  |  |  |  |  |  |  |  |  |
| City Project No.   | 6795.91   | Zone Map No. N9 & P9 | Sheet 1-9 Of 32  |             |             |  |  |  |  |  |  |  |  |  |  |
| NMDOT PROJECT NO. A301500  |   |                      |  |             |             |  |  |  |  |  |  |  |  |  |  |

RECORD DRAWING



| CURVE TABLE (C) |        |            |                |           |
|-----------------|--------|------------|----------------|-----------|
| CURVE #         | RADIUS | ARC LENGTH | TANGENT LENGTH | DELTA     |
| C1              | 1500'  | 576.65'    | 291.93'        | 22°01'35" |

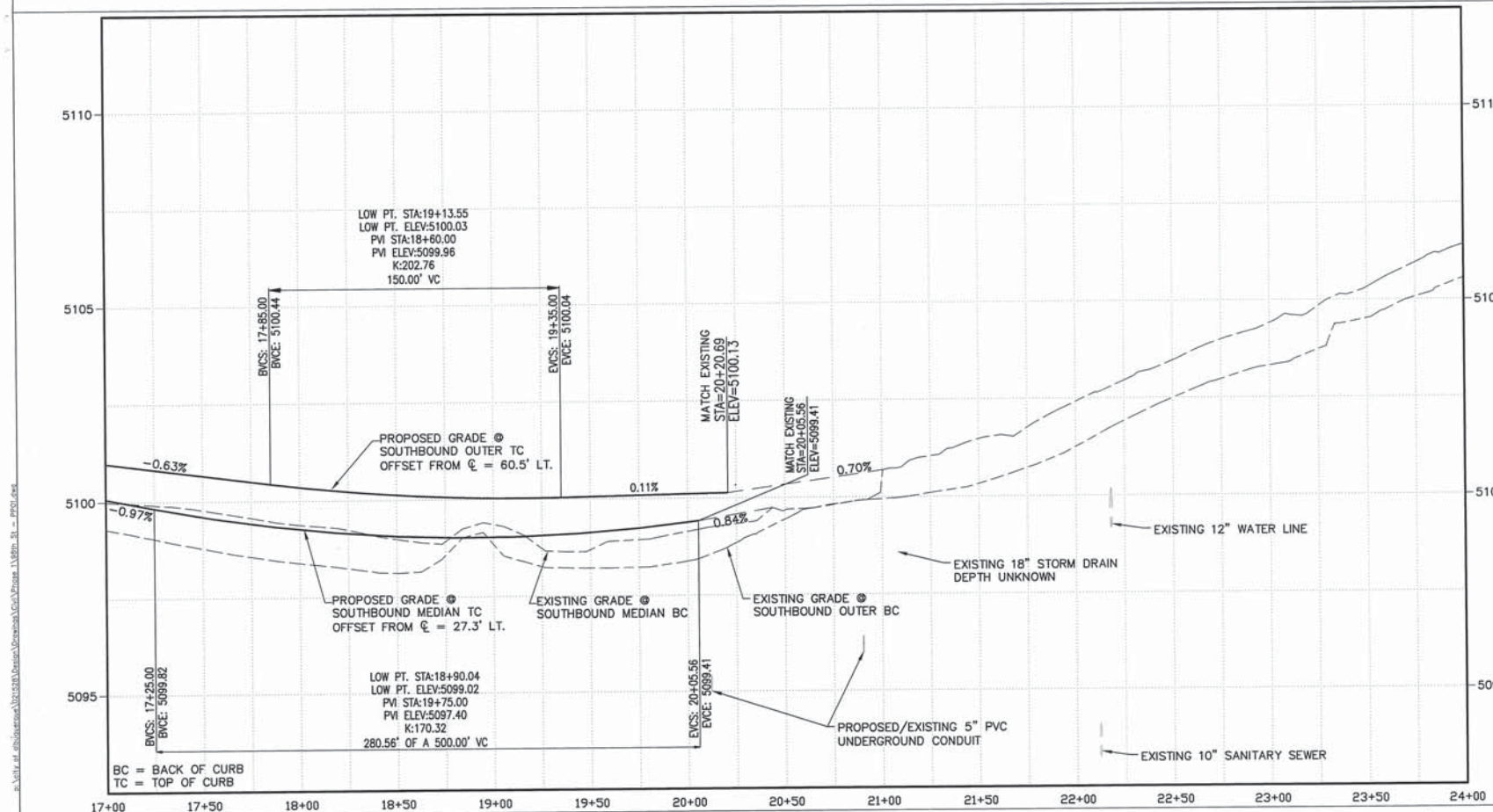


#### CONSTRUCTION NOTES

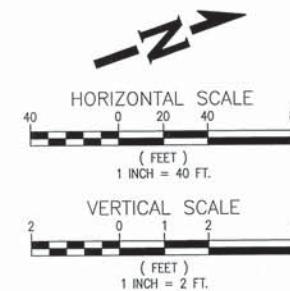
- EXISTING 60" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
- PROPOSED/EXISTING ITS PULL BOX TO ADJUSTED TO GRADE
- EXISTING CURB & GUTTER TO REMAIN & TO BE PROTECTED
- CONSTRUCT NEW DEPRESSED GUTTER PER COA DWG 2415A
- CONSTRUCT NEW MEDIAN CURB & GUTTER PER COA DWG 2415B
- CONSTRUCT NEW 6" SIDEWALK PER COA DWG 2430
- CONSTRUCT DIRECTIONAL CURB RAMP WITH DETECTABLE WARNINGS PER DETAIL 1, SHEET 1-19
- EXISTING STORM DRAIN MANHOLE TO REMAIN & TO BE PROTECTED
- INSTALL 4" OVERLAY ON EXISTING PAVEMENT FROM STA 10+00 TO STA 20+07
- SEE DRAINAGE DETAILS, SHEET 1-20
- EXISTING 24" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
- FUTURE TURNOUT (BY OTHERS)
- CONSTRUCT MEDIAN NOSE PER COA DWG 2503 & 2408 & PAINT YELLOW WITH REFLECTORIZED PAINT
- EXISTING INLET TO REMAIN & TO BE PROTECTED
- EXISTING POWER VAULT TO REMAIN & TO BE PROTECTED
- EXISTING 12" WATER LINE TO REMAIN & TO BE PROTECTED
- EXISTING SANITARY SEWER MANHOLE TO REMAIN & TO BE PROTECTED
- CONSTRUCT CURB TERMINI PER DETAILS ON SHEETS 17, 18, AND 31
- CONSTRUCT DETECTABLE WARNING PER DETAIL 2, SHEET 19
- ABANDONED MANHOLE TO REMAIN
- CONSTRUCT LANDSCAPE CONDUIT, SEE SHEET 22 FOR INSTALLATION
- EXISTING 18" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
- EXISTING 8" PVC SEWER LINE TO REMAIN AND BE PROTECTED IN PLACE.

| BACK OF CURB CURVE TABLE (BC) |          |            |                |            |
|-------------------------------|----------|------------|----------------|------------|
| CURVE #                       | RADIUS   | ARC LENGTH | TANGENT LENGTH | DELTA      |
| BC1                           | 1560.46' | 599.89'    | 303.70'        | 022°01'35" |
| BC2                           | 1527.73' | 587.16'    | 297.25'        | 022°01'15" |
| BC3                           | 1472.67' | 416.97'    | 209.89'        | 016°13'22" |
| BC4                           | 1439.54' | 417.29'    | 210.12'        | 016°36'31" |
| BC5                           | 149.33'  | 38.32'     | 19.27'         | 014°42'14" |
| BC6                           | 150.67'  | 47.27'     | 23.83'         | 017°58'35" |
| BC7                           | 149.33'  | 46.01'     | 23.19'         | 017°39'05" |
| BC8                           | 150.63'  | 37.72'     | 18.96'         | 014°20'55" |
| BC9                           | 1484.67' | 65.59'     | 32.80'         | 002°31'53" |
| BC10                          | 1428.04' | 52.71'     | 26.36'         | 002°06'53" |
| BC11                          | 29.37'   | 45.93'     | 29.16'         | 089°34'53" |
| BC12                          | 21.33'   | 67.02'     | INFINITY       | 180°00'00" |
| BC13                          | 4.33'    | 7.75'      | 5.39'          | 102°26'08" |
| BC14                          | 29.33'   | 37.53'     | 21.82'         | 073°17'50" |

| LINE TABLE |         |             |
|------------|---------|-------------|
| LINE #     | LENGTH  | BEARING     |
| L7         | 51.29'  | N22°13'47"E |
| L8         | 35.52'  | N22°13'47"E |
| L9         | 35.52'  | N22°13'47"E |
| L10        | 51.02'  | N22°13'47"E |
| L11        | 42.67'  | N67°46'13"W |
| L12        | 88.77'  | N14°47'10"E |
| L13        | 408.58' | N22°13'47"E |
| L14        | 435.71' | N22°13'47"E |



**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

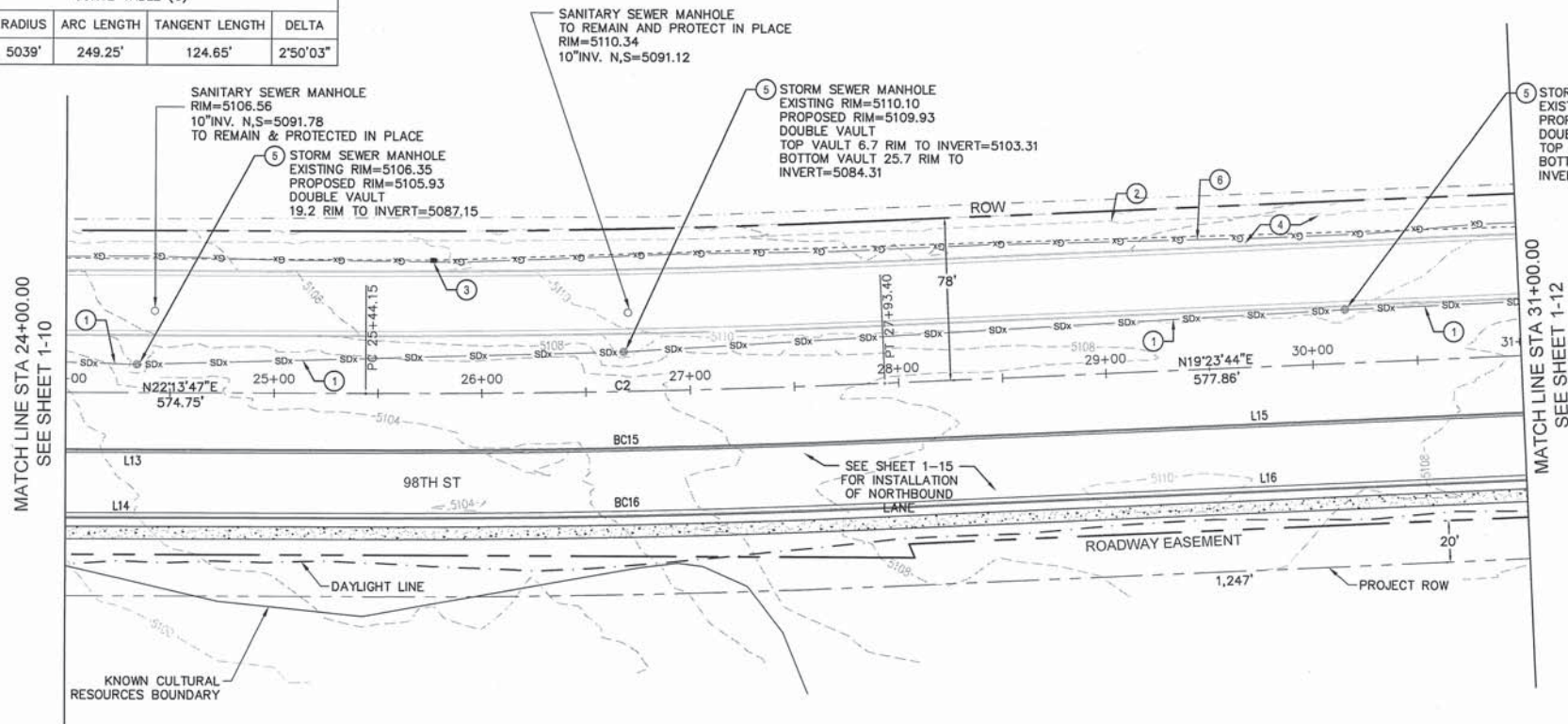


|  |  |  |                      |
|--|--|--|----------------------|
|  |  | <b>CITY OF ALBUQUERQUE</b><br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION |                      |
| <b>TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE</b> |  |  |                      |
| <b>PLAN AND PROFILE</b>  |  |  |                      |
| SOUTHBOUND 98TH STREET STA 17+00.00 TO STA 24+00.00                            |  |  |                      |
| Design Review Committee<br><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE          | City Engineer Approval<br><br>MAR 10 2015<br>CITY ENGINEER | Mo./Day/Yr.<br>_____   | Mo./Day/Yr.<br>_____ |
| City Project No.   | Zone Map No.   | Sheet  | Of                   |
| 6795.91  | N9 & P9  | 1-10   | 32                   |
| NMDOT PROJECT NO. A301500  |  |  |                      |

RECORD DRAWING



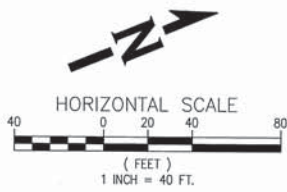
| CURVE TABLE (C) |        |            |                |          |
|-----------------|--------|------------|----------------|----------|
| CURVE #         | RADIUS | ARC LENGTH | TANGENT LENGTH | DELTA    |
| C2              | 5039'  | 249.25'    | 124.65'        | 2°50'03" |



| LINE TABLE |         |             |
|------------|---------|-------------|
| LINE #     | LENGTH  | BEARING     |
| L13        | 408.58' | N22°13'47"E |
| L14        | 435.71' | N22°13'47"E |
| L15        | 335.23' | N19°23'44"E |
| L16        | 352.83' | N19°23'44"E |

| BACK OF CURB CURVE TABLE (BC) |          |            |                |            |
|-------------------------------|----------|------------|----------------|------------|
| CURVE #                       | RADIUS   | ARC LENGTH | TANGENT LENGTH | DELTA      |
| BC15                          | 5066.33' | 250.60'    | 125.33'        | 002°50'03" |
| BC16                          | 5099.46' | 252.24'    | 126.15'        | 002°50'03" |

- CONSTRUCTION NOTES**
- EXISTING 60" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
  - EXISTING SIDEWALK TO REMAIN & TO BE PROTECTED
  - PROPOSED/EXISTING ITS PULL BOX TO REMAIN & TO BE PROTECTED
  - EXISTING LANDSCAPE TO REMAIN & TO BE PROTECTED
  - ADJUST STORM DRAIN MANHOLE TO GRADE PER COA DWG 2100
  - EXISTING GAS LINE TO REMAIN & TO BE PROTECTED



STA 24+00.00 TO STA 31+00.00: NO SOUTHBOUND VERTICAL IMPROVEMENTS

Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
**260-1990**

**WHPacific**  
6501 Americas Parkway NE, Suite 400  
Albuquerque, NM 87110  
505-247-0284 Fax 505-242-4845  
www.whpacific.com

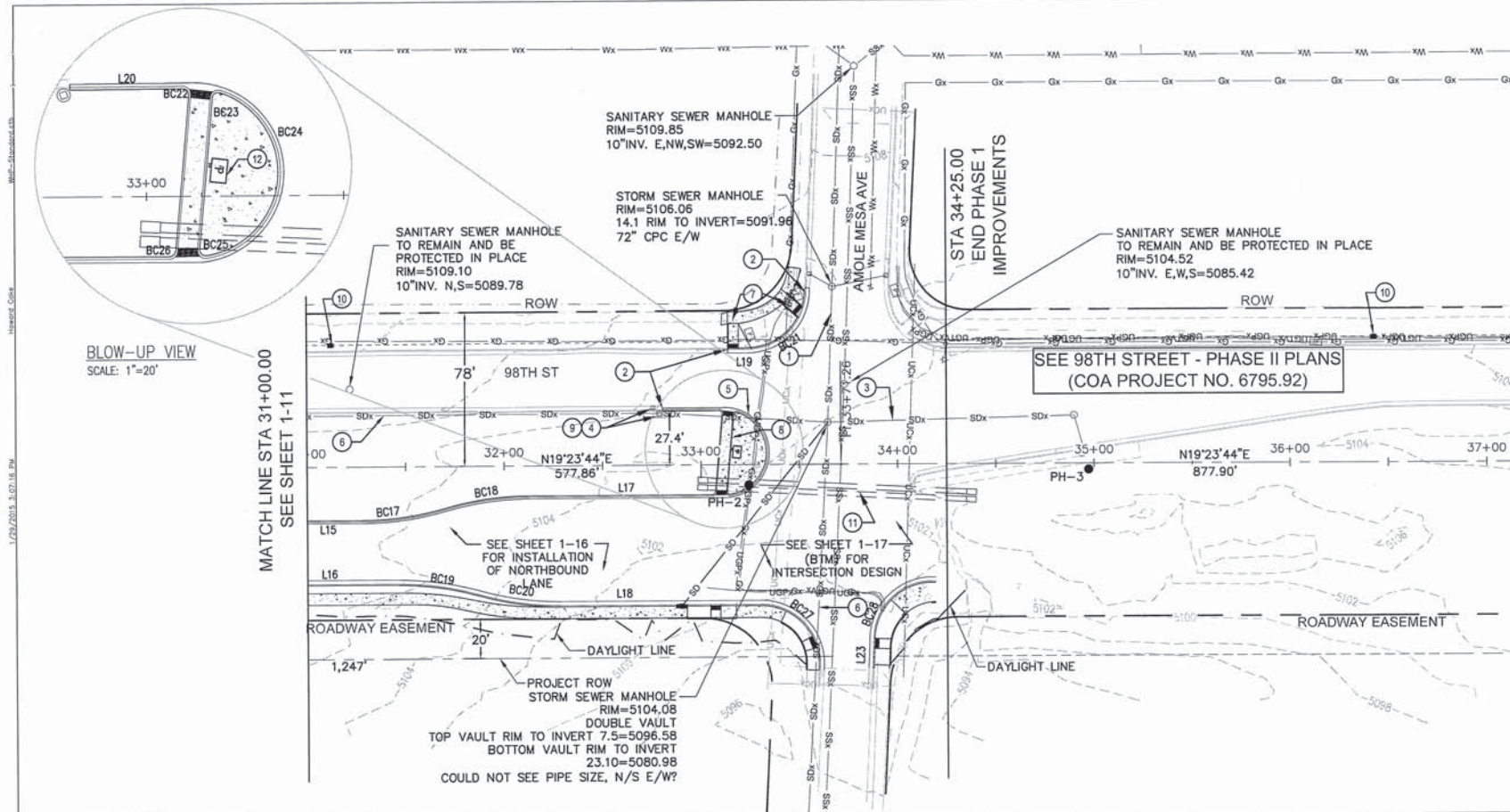
**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

| AS BUILT INFORMATION |      | BENCH MARKS   |      | SURVEY INFORMATION |  | ENGINEER'S SEAL |      |      |
|----------------------|------|---|------|--------------------|--|-----------------|------|------|
| CONTRACTOR           | DATE | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.  | DATE | FIELD NOTES        |  | REMARKS         | BY   |      |
| DESIGNED BY          | DATE | STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BLVD. SW AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW. | DATE | NO.                |  | NO.             | DATE | DATE |
| DRAWN BY             | DATE | STAMPED 3-N10   | DATE |                    |  |                 |      |      |
| CHECKED BY           | DATE | ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988)   | DATE |                    |  |                 |      |      |
|                      |      | N=1469674.583 E=1497276.885   |      |                    |  |                 |      |      |

|  |  |             |             |
|--|--|-------------|-------------|
| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION  |  |             |             |
| TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE<br><b>PLAN VIEW</b><br>SOUTHBOUND 98TH STREET STA 24+00.00 TO STA 31+00.00 |  |             |             |
| Design Review Committee  | City Engineer Approval                   | Ms./Dy./Yr. | Ms./Dy./Yr. |
| APPROVED<br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE   | APPROVED<br>MAR 10 2015<br>CITY ENGINEER |             |             |
| City Project No.   | Zone Map No.                             | Sheet       | Of          |
| 6795.91  | N9 & P9                                  | 1-11        | 32          |
| NMDOT PROJECT NO. A301500  |  |             |             |

RECORD DRAWING



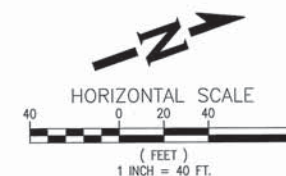


| LINE TABLE |         |             |
|------------|---------|-------------|
| LINE #     | LENGTH  | BEARING     |
| L15        | 335.23' | N19°23'44"E |
| L16        | 352.83' | N19°23'44"E |
| L17        | 92.77'  | N19°23'49"E |
| L18        | 101.75' | N19°23'44"E |
| L19        | 9.47'   | S19°23'44"W |
| L20        | 28.68'  | S19°07'10"W |

| BACK OF CURB CURVE TABLE (BC) |         |            |                |            |
|-------------------------------|---------|------------|----------------|------------|
| CURVE #                       | RADIUS  | ARC LENGTH | TANGENT LENGTH | DELTA      |
| BC17                          | 149.33' | 42.38'     | 21.33'         | 016°15'37" |
| BC18                          | 150.67' | 43.28'     | 21.79'         | 016°27'34" |
| BC19                          | 149.33' | 41.48'     | 20.88'         | 015°55'00" |
| BC20                          | 150.62' | 41.84'     | 21.06'         | 015°55'00" |
| BC21                          | 29.38'  | 31.37'     | 17.37'         | 061°11'06" |
| BC22                          | 1.50'   | 2.50'      | 1.65'          | 095°25'32" |
| BC23                          | 1.50'   | 2.72'      | 1.91'          | 103°44'16" |
| BC24                          | 21.45'  | 57.11'     | 87.80'         | 152°32'13" |
| BC25                          | 1.50'   | 2.71'      | 1.91'          | 103°34'19" |
| BC26                          | 1.50'   | 2.22'      | 1.37'          | 084°51'06" |
| BC27                          | 30.00'  | 48.79'     | 31.71'         | 093°10'28" |
| BC28                          | 29.46'  | 46.66'     | 29.85'         | 090°45'30" |

#### CONSTRUCTION NOTES

- EXISTING 48" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
- MATCH EXISTING CURB & GUTTER
- EXISTING 24" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
- EXISTING MEDIAN STORM DRAIN INLET AND MANHOLE TO REMAIN & TO BE PROTECTED
- CONSTRUCT MEDIAN NOSE PER COA DWG 2503 & 2408 & PAINT YELLOW WITH REFLECTORIZED PAINT.
- EXISTING 60" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
- CONSTRUCT CURB RAMPS WITH DETECTABLE WARNINGS PER DETAIL 3, SHEET 1-19
- CONSTRUCT PEDESTRIAN REFUGE PER DETAIL 4, SHEETS 1-19
- ADJUST STORM DRAIN MANHOLE TO GRADE PER COA DWG 2100
- PROPOSED/EXISTING ITS PULL BOX TO REMAIN & TO BE PROTECTED
- CONSTRUCT LANDSCAPE CONDUIT, SEE SHEET 1-22 FOR INSTALLATION
- RELOCATED POWER VAULT



#### POT HOLE DATA TABLE

| POT HOLE # | STATION  | OFFSET    | GROUND ELEV | TOP OF UTILITY ELEV | DESCRIPTION          |
|------------|----------|-----------|-------------|---------------------|----------------------|
| PH_2       | 33+24.41 | 10.45 Rt. | 5103.34     | 5100.37             | 7" GAS & 4" ELECTRIC |
| PH_3       | 34+97.37 | 3.27 Rt.  | 5102.42     | 5098.07             | 18" RCP              |

STA 31+00.00 TO STA 34+25.00: NO SOUTHBOUND VERTICAL IMPROVEMENTS



**WHPacific**  
6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102



CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
TRANSPORTATION DIVISION

TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE

#### PLAN VIEW

SOUTHBOUND 98TH STREET STA 31+00.00 TO STA 34+25.00

| Design Review Committee                                   | City Engineer Approval                          | Mo./Day/Yr. | Mo./Day/Yr. |
|---|---|-------------|-------------|
| <b>APPROVED</b><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE | <b>APPROVED</b><br>MAR 10 2015<br>CITY ENGINEER |             |             |

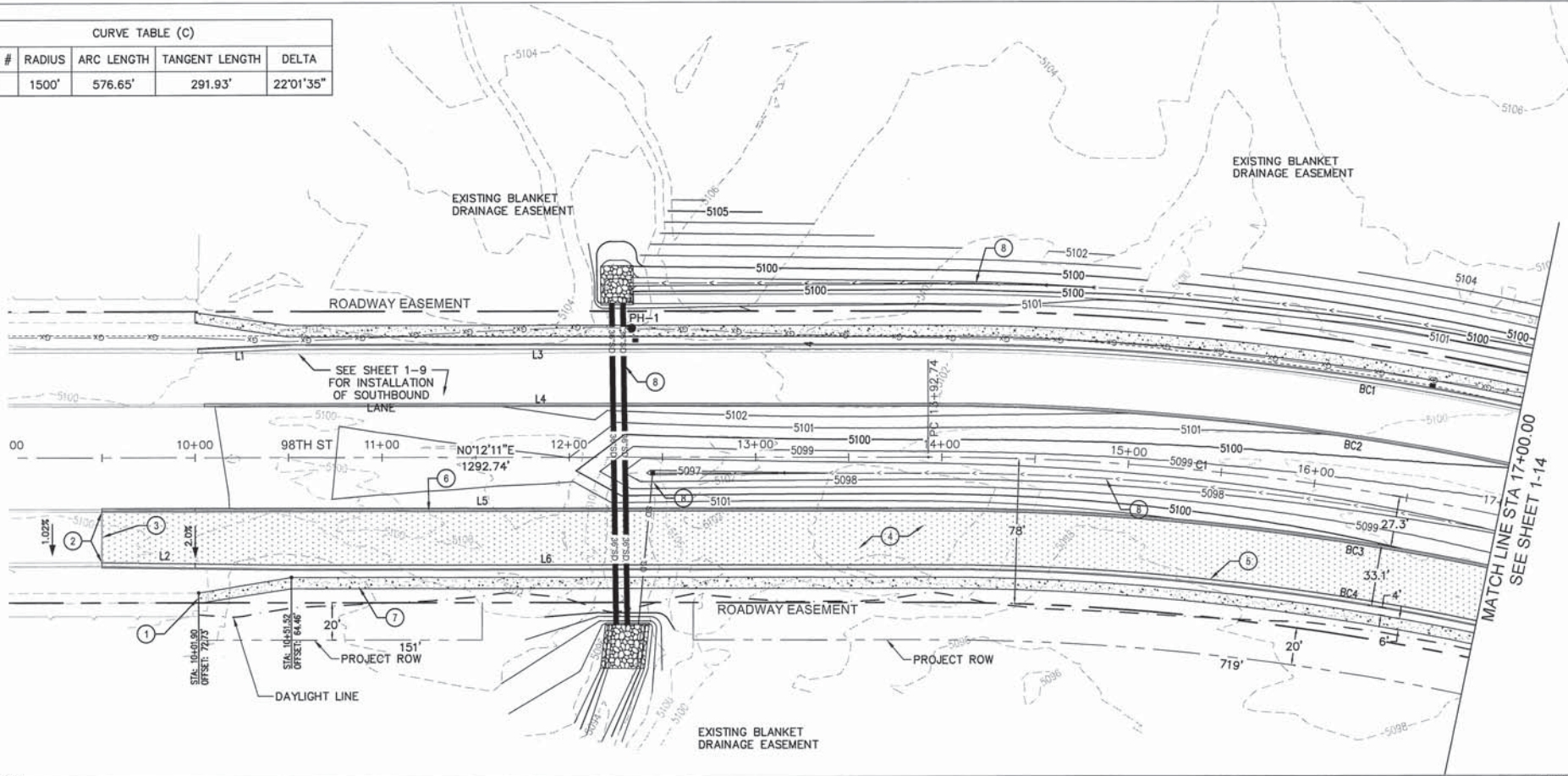
City Project No. 6795.91 Zone Map No. N9 & P9 Sheet 1-12 Of 32

NMDOT PROJECT NO. A301500

RECORD DRAWING



| CURVE TABLE (C) |        |            |                |           |
|-----------------|--------|------------|----------------|-----------|
| CURVE #         | RADIUS | ARC LENGTH | TANGENT LENGTH | DELTA     |
| C1              | 1500'  | 576.65'    | 291.93'        | 22°01'35" |

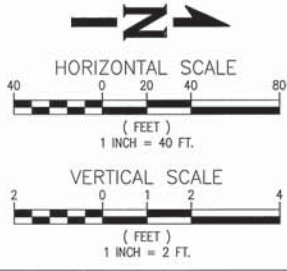
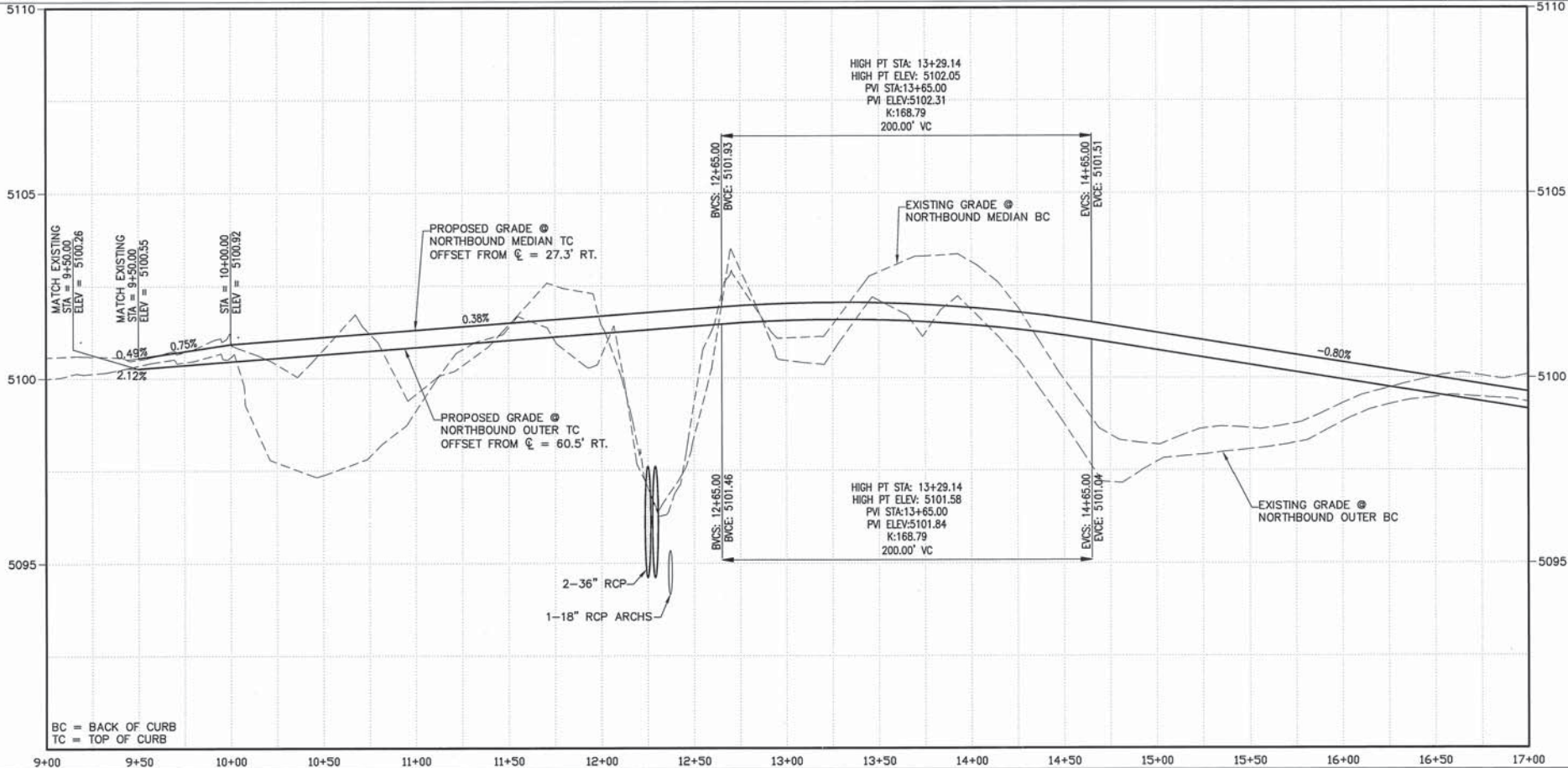


| BACK OF CURB CURVE TABLE (BC) |          |            |                |            |
|-------------------------------|----------|------------|----------------|------------|
| CURVE #                       | RADIUS   | ARC LENGTH | TANGENT LENGTH | DELTA      |
| BC1                           | 1560.46' | 599.89'    | 303.70'        | 022°01'35" |
| BC2                           | 1527.73' | 587.16'    | 297.25'        | 022°01'15" |
| BC3                           | 1472.67' | 416.97'    | 209.89'        | 016°13'22" |
| BC4                           | 1439.54' | 417.29'    | 210.12'        | 016°38'31" |

| LINE TABLE |         |             |
|------------|---------|-------------|
| LINE #     | LENGTH  | BEARING     |
| L1         | 50.03'  | N02°15'34"W |
| L2         | 101.59' | N00°59'48"E |
| L3         | 341.22' | N00°12'11"E |
| L4         | 387.83' | N00°12'11"E |
| L5         | 442.77' | N00°12'11"E |
| L6         | 341.23' | N00°12'11"E |

- CONSTRUCTION NOTES**
1. MATCH EXISTING SIDEWALK
  2. MATCH EXISTING CURB & GUTTER
  3. 2" SAWCUT TO A NEAT EDGE & MATCH EXISTING PAVEMENT PER DETAIL 1, SHEET 1-31
  4. CONSTRUCT NEW PVMT PER TYP SECTIONS, SEE SHEET 1-5.
  5. CONSTRUCT NEW STANDARD CURB & GUTTER PER COA DWG 2415A
  6. CONSTRUCT NEW MEDIAN CURB & GUTTER PER COA DWG 2415B
  7. CONSTRUCT 6" SIDEWALK PER COA DWG 2430
  8. SEE DRAINAGE DETAILS, SHEET 1-20

| POT HOLE DATA TABLE |          |           |             |                     |             |
|---------------------|----------|-----------|-------------|---------------------|-------------|
| POT HOLE #          | STATION  | OFFSET    | GROUND ELEV | TOP OF UTILITY ELEV | DESCRIPTION |
| PH_1                | 12+33.64 | 68.77 Lt. | 5101.11     | 5094.98             | 6" GAS      |



Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
**260-1990**

**WHPacific**  
6501 Americas Plaza NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

**CITY OF ALBUQUERQUE**  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
TRANSPORTATION DIVISION

TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE  
**PLAN AND PROFILE**  
NORTHBOUND 98TH STREET STA 10+00.00 TO STA 17+00.00

|  |   |                                   |             |
|--|---|-----------------------------------|-------------|
| Design Review Committee<br><b>APPROVED</b><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE | City Engineer Approval<br><b>APPROVED</b><br>MAR 10 2015<br>CITY ENGINEER | Mo./Day/Yr.<br>Last Design Update | Mo./Day/Yr. |
|--|---|-----------------------------------|-------------|

City Project No. 6795.91 Zone Map No. N9 & P9 Sheet 1-13 of 32

DESIGNED BY WHPacific Incorporated  
DRAWN BY  
CHECKED BY

**AS BUILT INFORMATION**

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

**BENCH MARKS**

THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP  
STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE  
CURB IN THE NW CURB RETURN OF UNSER BLVD. SW  
AND BLAKE RD. SW. STATION IS LOCATED 25.4' NORTH OF  
CENTERLINE OF BLAKE RD. SW. AND 92.0' WEST OF  
CENTERLINE OF UNSER BLVD. SW.  
STAMPED 3-N10  
ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988)  
N=1469674.583 E=1497276.885

**SURVEY INFORMATION**

FIELD NOTES  
NO. \_\_\_\_\_  
DATE \_\_\_\_\_  
BY \_\_\_\_\_  
NO. \_\_\_\_\_  
DATE \_\_\_\_\_  
BY \_\_\_\_\_

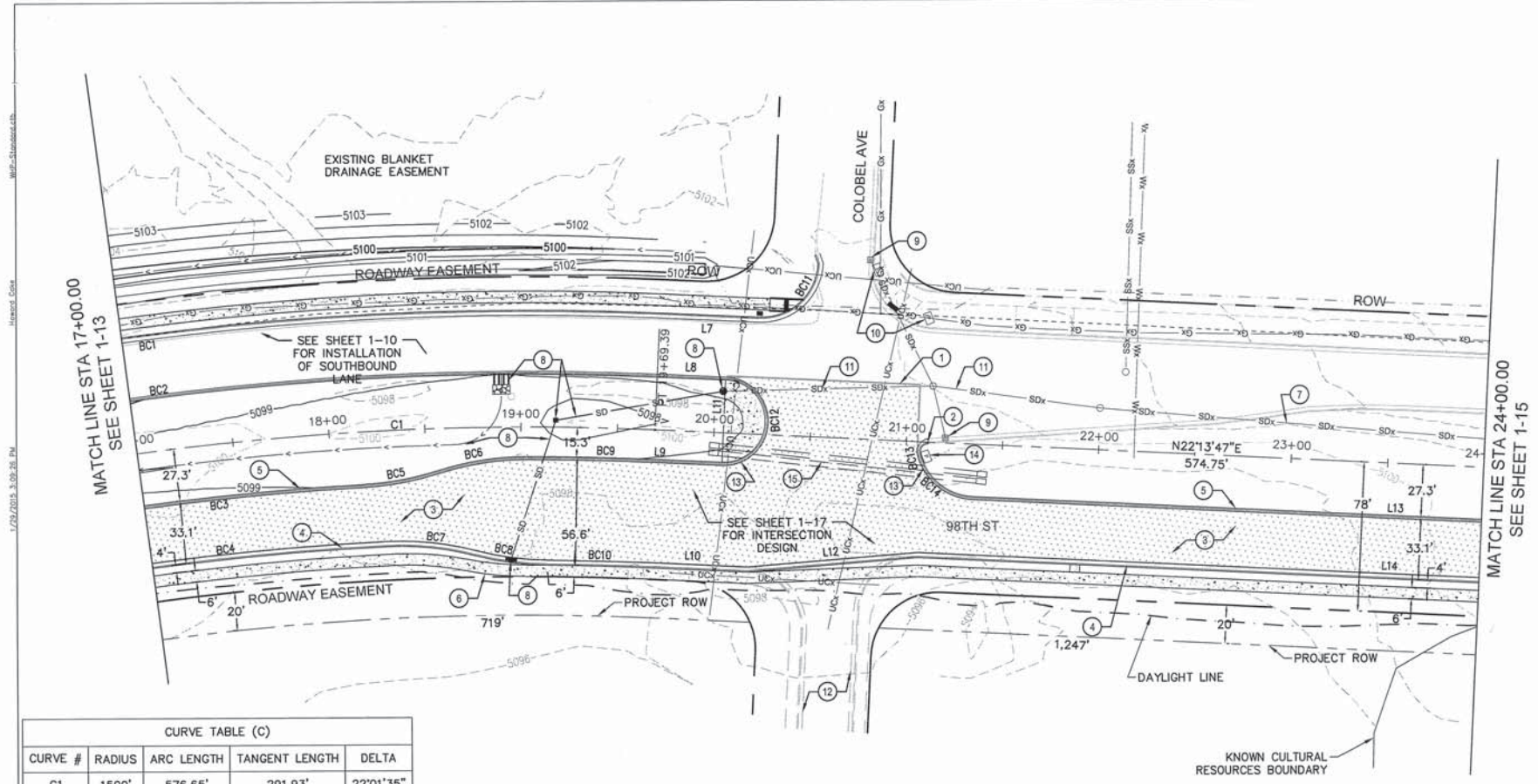
**ENGINEER'S SEAL**

HOWARD R. CAKE  
NEW MEXICO  
16896  
Professional Engineer  
Civil Engineering

RECORD DRAWING

NMDOT PROJECT NO. A301500





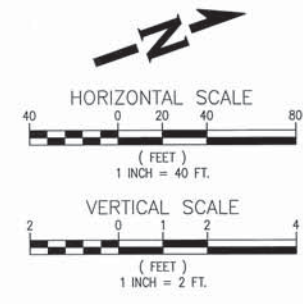
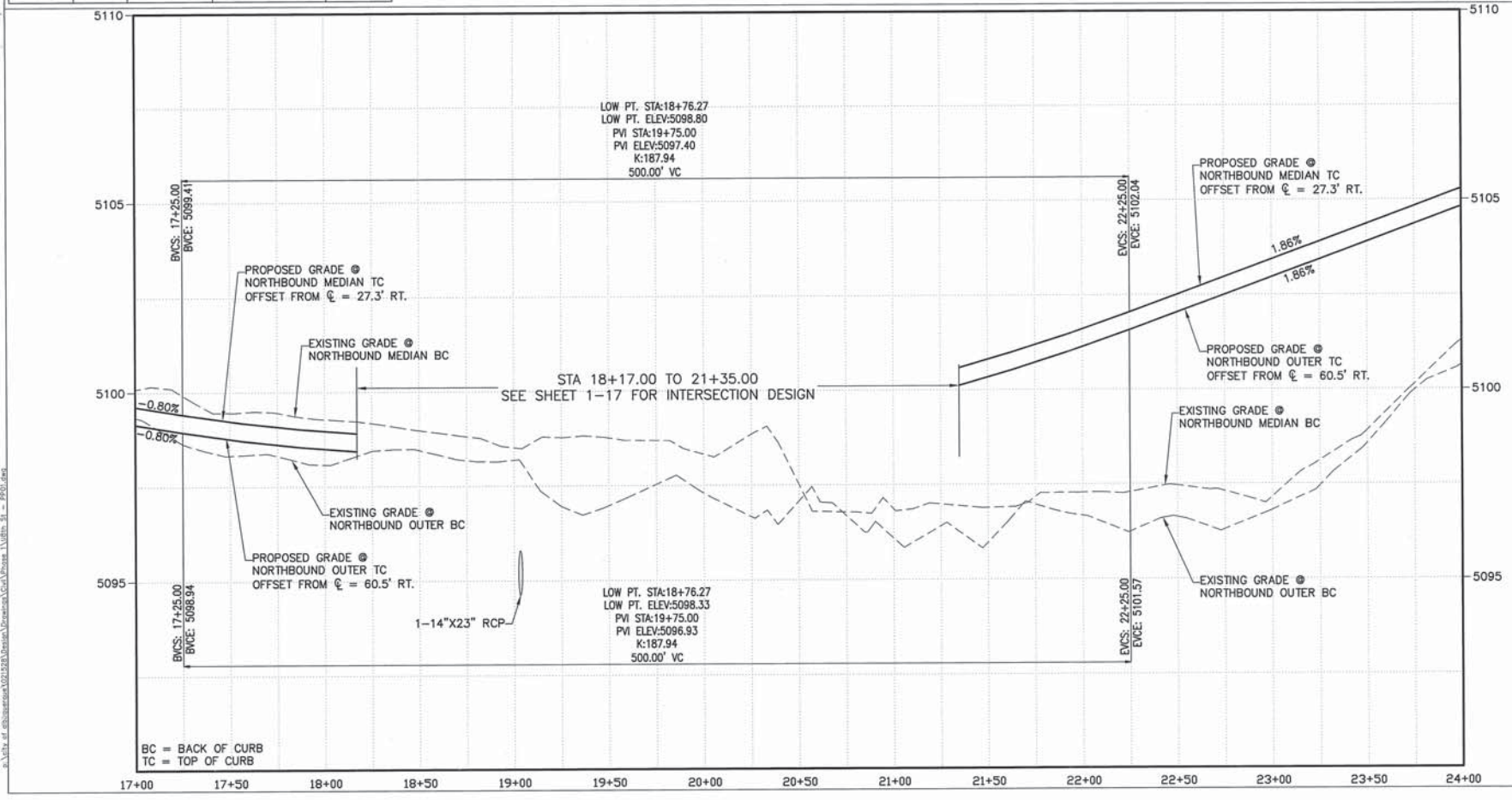
| CURVE TABLE (C) |        |            |                |           |
|-----------------|--------|------------|----------------|-----------|
| CURVE #         | RADIUS | ARC LENGTH | TANGENT LENGTH | DELTA     |
| C1              | 1500'  | 576.65'    | 291.93'        | 22°01'35" |

| BACK OF CURB CURVE TABLE (BC) |          |            |                |            |
|-------------------------------|----------|------------|----------------|------------|
| CURVE #                       | RADIUS   | ARC LENGTH | TANGENT LENGTH | DELTA      |
| BC1                           | 1560.46' | 599.89'    | 303.70'        | 022°01'35" |
| BC2                           | 1527.73' | 587.16'    | 297.25'        | 022°01'15" |
| BC3                           | 1472.67' | 416.97'    | 209.89'        | 016°13'22" |
| BC4                           | 1439.54' | 417.29'    | 210.12'        | 016°36'31" |
| BC5                           | 149.33'  | 38.32'     | 19.27'         | 014°42'14" |
| BC6                           | 150.67'  | 47.27'     | 23.83'         | 017°58'35" |
| BC7                           | 149.33'  | 46.01'     | 23.19'         | 017°39'05" |
| BC8                           | 150.63'  | 37.72'     | 18.96'         | 014°20'55" |
| BC9                           | 1484.67' | 65.59'     | 32.80'         | 002°31'53" |
| BC10                          | 1428.04' | 52.71'     | 26.36'         | 002°06'53" |
| BC11                          | 29.37'   | 45.93'     | 29.16'         | 089°34'53" |
| BC12                          | 21.33'   | 67.02'     | INFINITY       | 180°00'00" |
| BC13                          | 4.33'    | 7.75'      | 5.39'          | 102°26'08" |
| BC14                          | 29.33'   | 37.53'     | 21.82'         | 073°17'50" |

| LINE TABLE |         |             |
|------------|---------|-------------|
| LINE #     | LENGTH  | BEARING     |
| L7         | 51.29'  | N22°13'47"E |
| L8         | 35.52'  | N22°13'47"E |
| L9         | 35.52'  | N22°13'47"E |
| L10        | 51.02'  | N22°13'47"E |
| L11        | 42.67'  | N67°46'13"W |
| L12        | 88.77'  | N14°47'10"E |
| L13        | 408.58' | N22°13'47"E |
| L14        | 435.71' | N22°13'47"E |

CONSTRUCTION NOTES

- 2' SAWCUT TO A NEAT EDGE AND MATCH EXISTING PAVEMENT PER DETAIL 1, SHEET 1-31
- MATCH EXISTING CURB & GUTTER
- CONSTRUCT NEW PVMT PER TYP SECTIONS, SEE SHEET 1-5.
- CONSTRUCT NEW STANDARD CURB & GUTTER PER COA DWG 2415A
- CONSTRUCT NEW MEDIAN CURB & GUTTER PER COA DWG 2415B
- CONSTRUCT NEW 6" SIDEWALK PER COA DWG 2430
- EXISTING 60" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
- SEE DRAINAGE DETAILS, SHEET 1-20.
- EXISTING INLET TO REMAIN & TO BE PROTECTED
- EXISTING 24" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
- FUTURE TURNOUT (BY OTHERS)
- CONSTRUCT MEDIAN NOSE PER COA DWG 2503 & 2408 & PAINT YELLOW WITH REFLECTORIZED PAINT, SEE DETAILS ON SHEET 1-18 FOR ADDITIONAL INFORMATION
- EXISTING POWER VAULT TO BE ADJUSTED TO NEW GRADE
- CONSTRUCT LANDSCAPE CONDUIT, SEE SHEET 1-22 FOR INSTALLATION



Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
260-1990

**WHPacific**  
5501 Americas Plaza NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

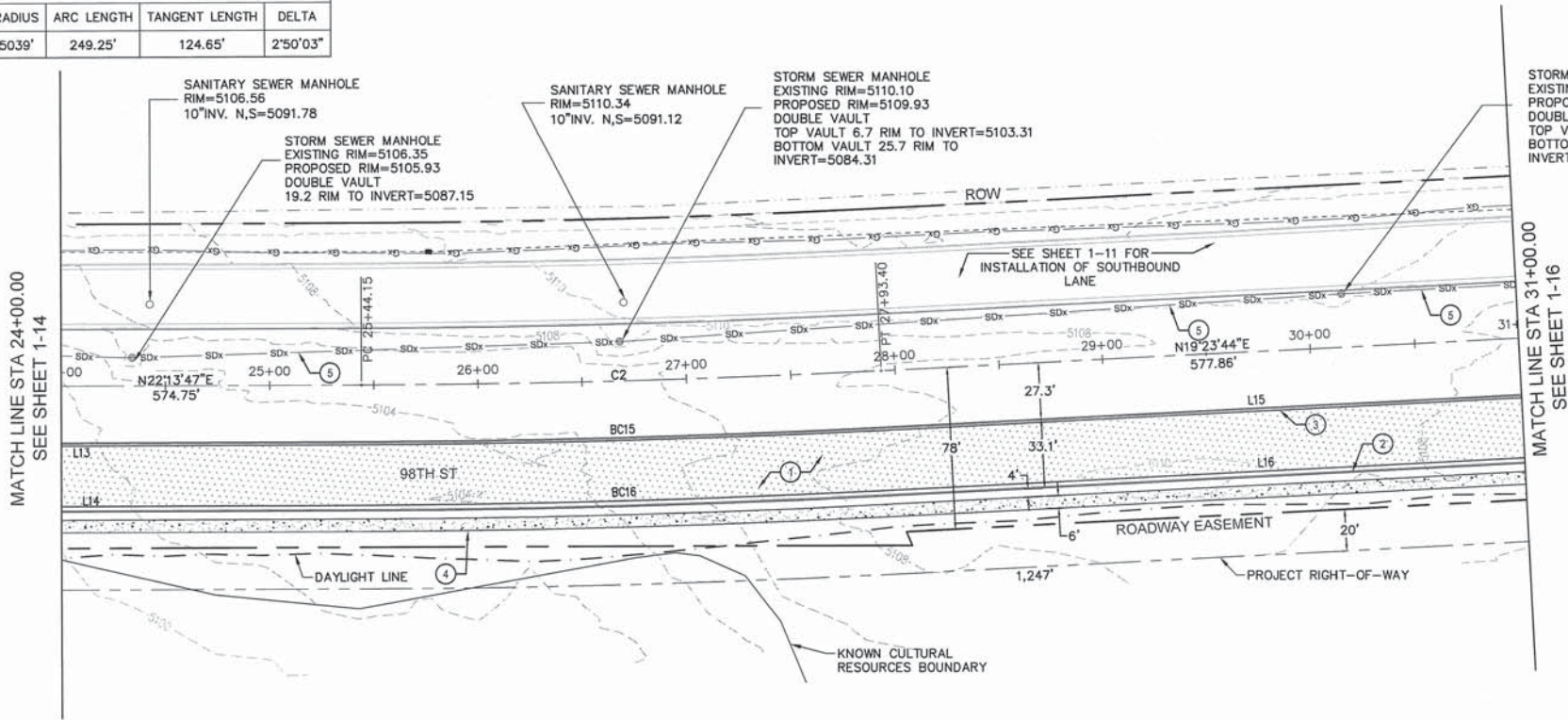
**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

|   |   |
|---|---|
| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION   |   |
| TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE<br><b>PLAN AND PROFILE</b><br>NORTHBOUND 98TH STREET STA 17+00.00 TO STA 24+00.00 |   |
| Design Review Committee<br><b>APPROVED</b><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE  | City Engineer Approval<br><b>APPROVED</b><br>MAR 10 2015<br>CITY ENGINEER |
| City Project No. 6795.91  | Zone Map No. N9 & P9  |
| Sheet 1-14  | Of 32   |
| NMDOT PROJECT NO. A301500   |   |

RECORD DRAWING



| CURVE TABLE (C) |        |            |                |          |
|-----------------|--------|------------|----------------|----------|
| CURVE #         | RADIUS | ARC LENGTH | TANGENT LENGTH | DELTA    |
| C2              | 5039'  | 249.25'    | 124.65'        | 2°50'03" |

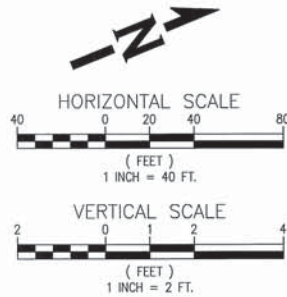
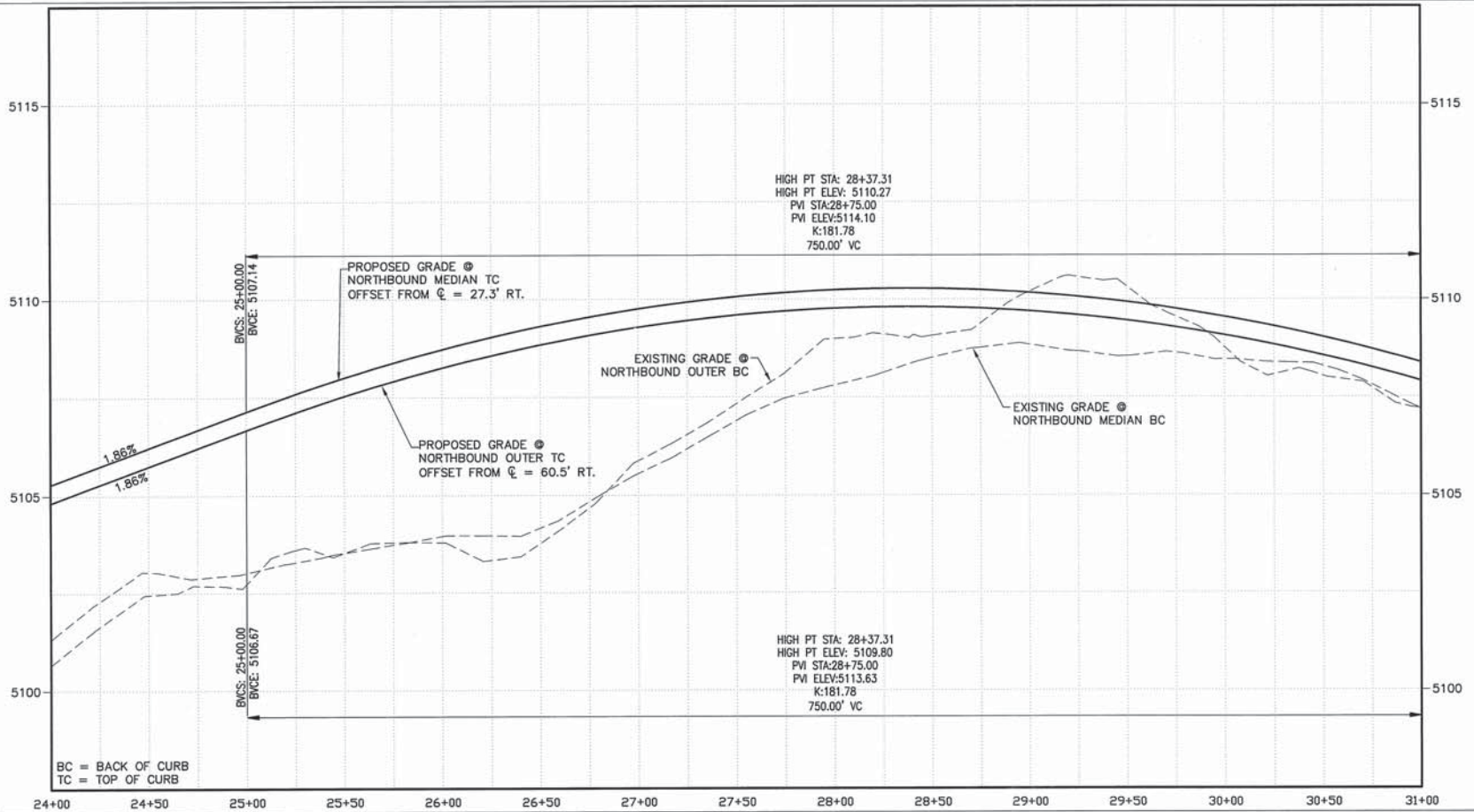


| LINE TABLE |         |             |
|------------|---------|-------------|
| LINE #     | LENGTH  | BEARING     |
| L13        | 408.58' | N22°13'47"E |
| L14        | 435.71' | N22°13'47"E |
| L15        | 335.23' | N19°23'44"E |
| L16        | 352.83' | N19°23'44"E |

| BACK OF CURB CURVE TABLE (BC) |          |            |                |            |
|-------------------------------|----------|------------|----------------|------------|
| CURVE #                       | RADIUS   | ARC LENGTH | TANGENT LENGTH | DELTA      |
| BC15                          | 5066.33' | 250.60'    | 125.33'        | 002°50'03" |
| BC16                          | 5099.46' | 252.24'    | 126.15'        | 002°50'03" |

#### CONSTRUCTION NOTES

1. CONSTRUCT NEW PVMT PER TYP SECTIONS, SEE SHEET 1-5.
2. CONSTRUCT NEW STANDARD CURB & GUTTER PER COA DWG 2415A
3. CONSTRUCT NEW MEDIAN CURB & GUTTER PER COA DWG 2415B
4. CONSTRUCT 6" SIDEWALK PER COA DWG 2430
5. EXISTING 60" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED



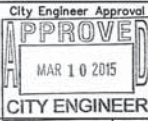
**WHPacific**  
 6501 Americas Freeway NE, Suite 403  
 Albuquerque, NM 87110  
 505-247-0294 Fax 505-242-4845  
 www.whpacific.com

**TY LIN INTERNATIONAL**  
 engineers | planners | scientists  
 500 4th Street NW Suite 403  
 Bank of America Centre  
 Albuquerque, NM 87102



CITY OF ALBUQUERQUE  
 DEPARTMENT OF MUNICIPAL DEVELOPMENT  
 TRANSPORTATION DIVISION

TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE  
**PLAN AND PROFILE**  
 NORTHBOUND 98TH STREET STA 24+00.00 TO STA 31+00.00



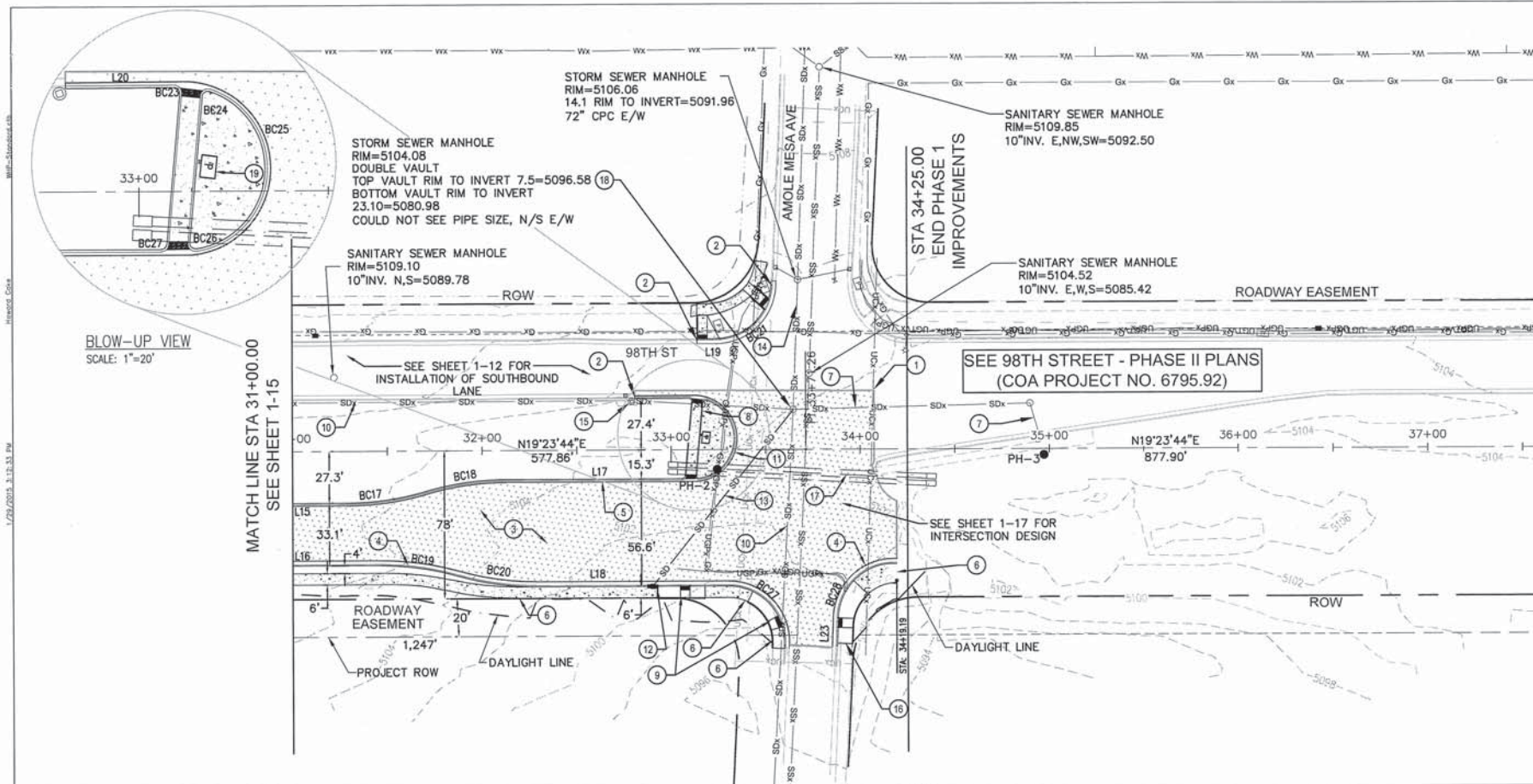
City Project No. 6795.91 Zone Map No. N9 & P9 Sheet 1-15 Of 32  
 NMDOT PROJECT NO. A301500

| AS BUILT INFORMATION |      | BENCH MARKS  |      | SURVEY INFORMATION |    | FIELD NOTES |    | ENGINEER'S SEAL |    |
|----------------------|------|--|------|--------------------|----|-------------|----|-----------------|----|
| CONTRACTOR           | DATE | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.   | DATE | NO.                | BY | NO.         | BY | NO.             | BY |
| STARTED BY           | DATE | STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CORNER RETURN OF UNSER BLVD. SW AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW. | DATE |                    |    |             |    |                 |    |
| ACCEPTANCE BY        | DATE |  |      |                    |    |             |    |                 |    |
| DESIGNED BY          | DATE |  |      |                    |    |             |    |                 |    |
| DRAWN BY             | DATE |  |      |                    |    |             |    |                 |    |
| CHECKED BY           | DATE |  |      |                    |    |             |    |                 |    |
| RECORDED BY          | DATE |  |      |                    |    |             |    |                 |    |
| NO.                  |      |  |      |                    |    |             |    |                 |    |



RECORD DRAWING



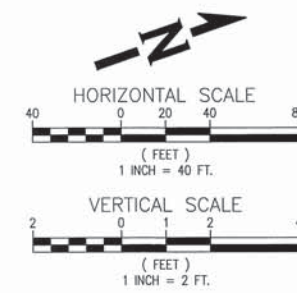
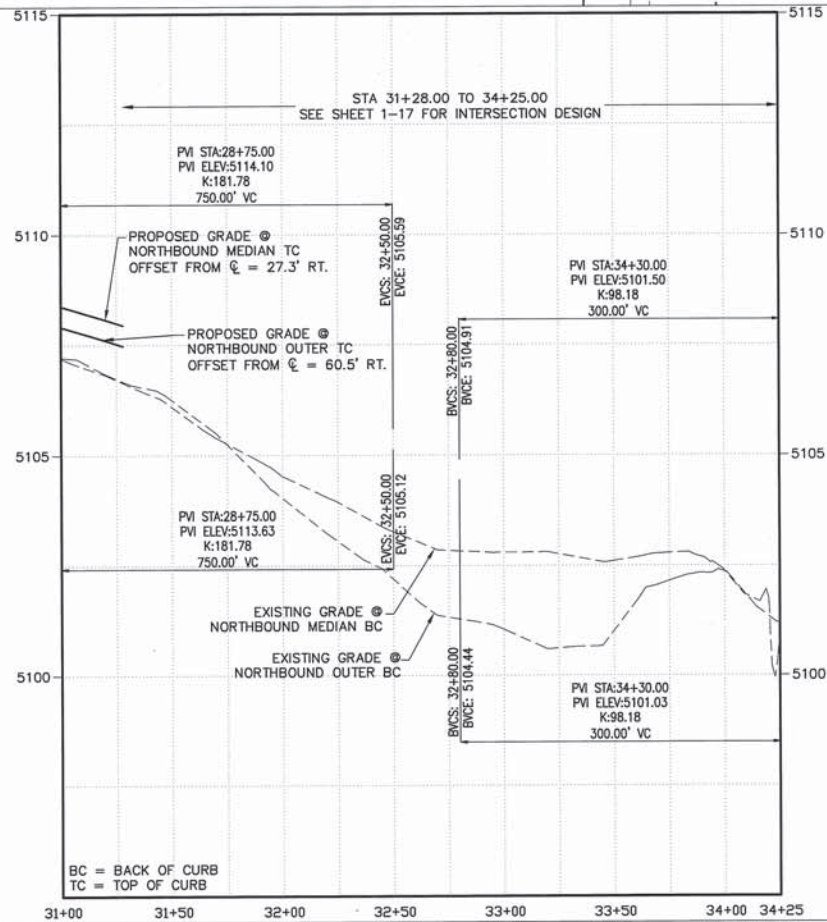


| LINE TABLE |         |             |
|------------|---------|-------------|
| LINE #     | LENGTH  | BEARING     |
| L15        | 335.23' | N19°23'44"E |
| L16        | 352.83' | N19°23'44"E |
| L17        | 92.77'  | N19°23'49"E |
| L18        | 101.75' | N19°23'44"E |
| L19        | 9.47'   | S19°23'44"W |
| L20        | 28.68'  | S19°07'10"W |

| BACK OF CURB CURVE TABLE (BC) |         |            |                |            |
|-------------------------------|---------|------------|----------------|------------|
| CURVE #                       | RADIUS  | ARC LENGTH | TANGENT LENGTH | DELTA      |
| BC17                          | 149.33' | 42.38'     | 21.33'         | 016°15'37" |
| BC18                          | 150.67' | 43.28'     | 21.79'         | 016°27'34" |
| BC19                          | 149.33' | 41.48'     | 20.88'         | 015°55'00" |
| BC20                          | 150.62' | 41.84'     | 21.06'         | 015°55'00" |
| BC21                          | 29.38'  | 31.37'     | 17.37'         | 061°11'06" |
| BC22                          | 1.50'   | 2.50'      | 1.65'          | 095°25'32" |
| BC23                          | 1.50'   | 2.72'      | 1.91'          | 103°44'16" |
| BC24                          | 21.45'  | 57.11'     | 87.80'         | 152°32'13" |
| BC25                          | 1.50'   | 2.71'      | 1.91'          | 103°34'19" |
| BC26                          | 1.50'   | 2.22'      | 1.37'          | 084°51'06" |
| BC27                          | 30.00'  | 48.79'     | 31.71'         | 093°10'28" |
| BC28                          | 29.46'  | 46.66'     | 29.85'         | 090°45'30" |

- CONSTRUCTION NOTES**
- 2' SAWCUT TO A NEAT EDGE AND MATCH EXISTING PAVEMENT PER DETAIL 1, SHEET 1-31
  - MATCH EXISTING CURB & GUTTER
  - CONSTRUCT NEW PVMT PER TYP SECTIONS, SEE SHEET 1-5.
  - CONSTRUCT NEW STANDARD CURB & GUTTER PER COA DWG 2415A
  - CONSTRUCT NEW MEDIAN CURB & GUTTER PER COA DWG 2415B
  - CONSTRUCT 6" SIDEWALK PER COA DWG 2430
  - EXISTING 24" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
  - CONSTRUCT PEDESTRIAN REFUGE PER DETAIL 4, SHEET 1-19
  - CONSTRUCT CURB RAMP PER DETAIL 5, SHEET 1-19
  - EXISTING 60" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
  - CONSTRUCT MEDIAN NOSE PER COA DWG 2503 & 2408 & PAINT YELLOW WITH REFLECTORIZED PAINT
  - INSTALL NEW TYPE A DROP INLET PER COA STD DWGS 2201 & PER MODIFIED COA STD DWG 2220, SHEET 1-31  
STA. 32+90  
GRATE = 5103.11  
INV = 5096.44
  - INSTALL 18" STORM DRAIN PIPE & CONNECT TO EXISTING MANHOLE, SEE PROFILE ON SHEET 1-21  
SLOPE = 2.00%  
INV = 5094.08
  - EXISTING 48" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
  - EXISTING STORM DRAIN MANHOLE TO REMAIN & TO BE PROTECTED
  - CONSTRUCT CURB RAMP PER DETAIL 6, SHEET 1-19
  - CONSTRUCT LANDSCAPE CONDUIT, SEE SHEET 1-22 FOR INSTALLATION
  - ADJUST EXISTING STORM DRAIN MANHOLE TO GRADE
  - RELOCATED POWER VAULT

| POT HOLE DATA TABLE |          |           |             |                     |                      |
|---------------------|----------|-----------|-------------|---------------------|----------------------|
| POTHOLE #           | STATION  | OFFSET    | GROUND ELEV | TOP OF UTILITY ELEV | DESCRIPTION          |
| PH_2                | 33+24.41 | 10.45 Rt. | 5103.34     | 5100.37             | 7" GAS & 4" ELECTRIC |
| PH_3                | 34+97.37 | 3.27 Rt.  | 5102.42     | 5098.07             | 18" RCP              |



Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
**260-1990**

**WHPacific**  
8501 Americas Plaza NE, Suite 400  
Albuquerque, NM 87110  
505-247-6294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

**CITY OF ALBUQUERQUE**  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
TRANSPORTATION DIVISION

**TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE**  
**PLAN AND PROFILE**  
NORTHBOUND 98TH STREET STA 31+00.00 TO STA 34+25.00

Design Review Committee: **APPROVE** MAR 10 2015  
City Engineer Approval: **APPROVE** MAR 10 2015

City Project No. 6795.91  
Zone Map No. N9 & P9  
Sheet 1-16 of 32  
NMDOT PROJECT NO. A301500

**CONTRACTOR INFORMATION**

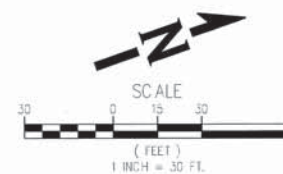
CONTRACTOR: [ ]  
STARTED BY: [ ]  
DATE: [ ]  
STOPPED BY: [ ]  
DATE: [ ]  
REVISIONS: [ ]  
DATE: [ ]  
DESIGNED BY: [ ]  
DRAWN BY: [ ]  
CHECKED BY: [ ]

**ENGINEER'S SEAL**




HOWARD R. CAKE  
NEW MEXICO  
16896  
Professional Engineer

RECORD DRAWING





**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

|   |  |   |  |
|---|--|---|--|
|    | <b>CITY OF ALBUQUERQUE</b><br><b>DEPARTMENT OF MUNICIPAL DEVELOPMENT</b><br><b>TRANSPORTATION DIVISION</b>   |   |  |
| <b>TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE</b>  |  |   |  |
| <h1 style="margin: 0;">INTERSECTION DETAILS</h1>  |  |   |  |
| <b>AT COLOBEL AVE &amp; AMOLE MESA AVE</b>  |  |   |  |
| <b>Design Review Committee</b><br><div style="border: 1px solid black; padding: 5px; text-align: center;">  <p><b>APPROVE</b><br/>MAR 10 2015<br/>DESIGN REVIEW COMMITTEE</p> </div> | <b>City Engineer Approval</b><br><div style="border: 1px solid black; padding: 5px; text-align: center;">  <p><b>APPROVE</b><br/>MAR 10 2015<br/>CITY ENGINEER</p> </div> | <b>Mo./Day/Yr.</b><br><div style="border: 1px solid black; height: 100px; width: 100%;"></div>        | <b>Mo./Day/Yr.</b><br><div style="border: 1px solid black; height: 100px; width: 100%;"></div> |
|   |  | <b>Last Design Update</b><br><div style="border: 1px solid black; height: 100px; width: 100%;"></div> | <b>Mo./Day/Yr.</b><br><div style="border: 1px solid black; height: 100px; width: 100%;"></div> |
| <b>City Project No.</b> 6795.91   |  | <b>Zone Map No.</b> N9 & P9   | <b>Sheet</b> 1-17 <b>Of</b> 32   |
| <b>NMDOT PROJECT NO. A301500</b>  |  |   |  |

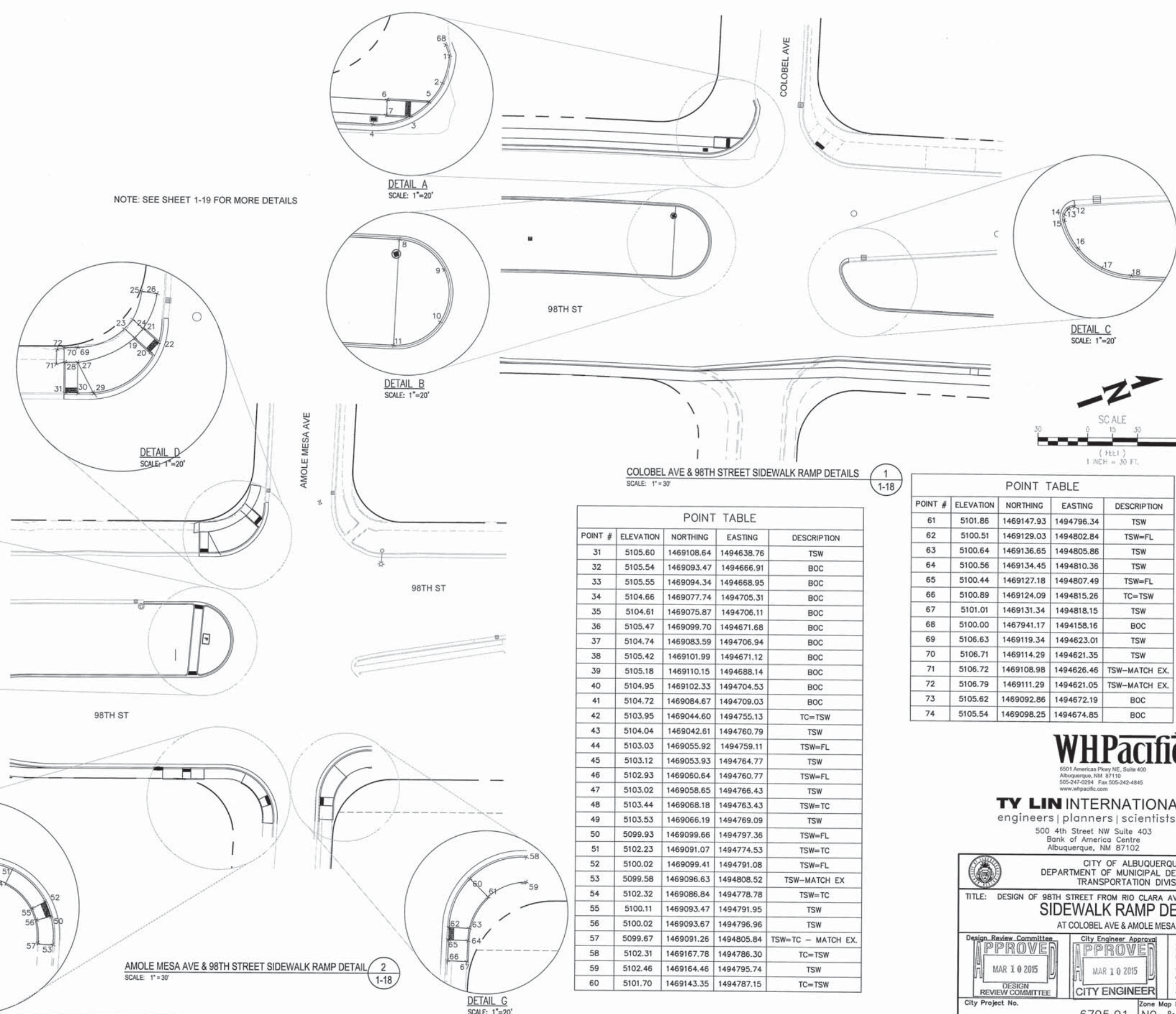
RECORD DRAWING



1/22/2015 3:15:17 PM  
1/22/2015 3:15:17 PM  
1/22/2015 3:15:17 PM

| POINT TABLE |           |            |            |               |
|-------------|-----------|------------|------------|---------------|
| POINT #     | ELEVATION | NORTHING   | EASTING    | DESCRIPTION   |
| 1           | 5100.38   | 1467941.20 | 1494162.92 | BOC           |
| 2           | 5100.32   | 1467934.86 | 1494172.44 | BOC           |
| 3           | 5099.54   | 1467918.15 | 1494180.80 | FL=TSW        |
| 4           | 5100.13   | 1467902.94 | 1494178.90 | BOC           |
| 5           | 5099.60   | 1467927.16 | 1494178.00 | FL=TSW        |
| 6           | 5100.30   | 1467911.58 | 1494171.63 | SW            |
| 7           | 5100.21   | 1467909.31 | 1494177.19 | SW            |
| 8           | 5099.41   | 1467875.80 | 1494203.60 | BOC           |
| 9           | 5099.41   | 1467888.93 | 1494220.97 | BOC           |
| 10          | 5099.52   | 1467880.64 | 1494240.33 | BOC           |
| 11          | 5099.48   | 1467859.66 | 1494243.09 | BOC           |
| 12          | 5100.18   | 1467963.64 | 1494269.95 | BOC           |
| 13          | 5100.24   | 1467961.06 | 1494269.91 | BOC           |
| 14          | 5100.34   | 1467958.74 | 1494271.57 | BOC           |
| 15          | 5100.41   | 1467957.95 | 1494273.84 | BOC           |
| 16          | 5100.67   | 1467959.58 | 1494286.47 | BOC           |
| 17          | 5100.64   | 1467966.14 | 1494296.94 | BOC           |
| 18          | 5100.60   | 1467976.06 | 1494303.63 | BOC           |
| 19          | 5106.28   | 1469142.45 | 1494626.90 | TSW=TC        |
| 20          | 5105.61   | 1469146.44 | 1494634.21 | TSW           |
| 21          | 5106.30   | 1469146.80 | 1494624.44 | TSW=TC        |
| 22          | 5105.63   | 1469150.82 | 1494631.83 | TSW           |
| 23          | 5106.36   | 1469139.72 | 1494622.10 | TSW           |
| 24          | 5106.39   | 1469144.09 | 1494619.63 | TSW           |
| 25          | 5106.83   | 1469151.19 | 1494610.10 | TSW-MATCH EX. |
| 26          | 5106.66   | 1469156.71 | 1494613.06 | TSW-MATCH EX. |
| 27          | 5106.54   | 1469117.48 | 1494628.70 | TSW           |
| 28          | 5106.63   | 1469112.76 | 1494627.04 | TSW=TC        |
| 29          | 5106.06   | 1469119.39 | 1494642.47 | TSW=TC        |
| 30          | 5105.51   | 1469113.35 | 1494640.41 | TSW           |

NOTE: SEE SHEET 1-19 FOR MORE DETAILS



| POINT TABLE |           |            |            |                    |
|-------------|-----------|------------|------------|--------------------|
| POINT #     | ELEVATION | NORTHING   | EASTING    | DESCRIPTION        |
| 31          | 5105.60   | 1469108.64 | 1494638.76 | TSW                |
| 32          | 5105.54   | 1469093.47 | 1494666.91 | BOC                |
| 33          | 5105.55   | 1469094.34 | 1494668.95 | BOC                |
| 34          | 5104.66   | 1469077.74 | 1494705.31 | BOC                |
| 35          | 5104.61   | 1469075.87 | 1494706.11 | BOC                |
| 36          | 5105.47   | 1469099.70 | 1494671.68 | BOC                |
| 37          | 5104.74   | 1469083.59 | 1494706.94 | BOC                |
| 38          | 5105.42   | 1469101.99 | 1494671.12 | BOC                |
| 39          | 5105.18   | 1469110.15 | 1494688.14 | BOC                |
| 40          | 5104.95   | 1469102.33 | 1494704.53 | BOC                |
| 41          | 5104.72   | 1469084.67 | 1494709.03 | BOC                |
| 42          | 5103.95   | 1469044.60 | 1494755.13 | TC=TSW             |
| 43          | 5104.04   | 1469042.61 | 1494760.79 | TSW                |
| 44          | 5103.03   | 1469055.92 | 1494759.11 | TSW=FL             |
| 45          | 5103.12   | 1469053.93 | 1494764.77 | TSW                |
| 46          | 5102.93   | 1469060.64 | 1494760.77 | TSW=FL             |
| 47          | 5103.02   | 1469058.65 | 1494766.43 | TSW                |
| 48          | 5103.44   | 1469068.18 | 1494763.43 | TSW=TC             |
| 49          | 5103.53   | 1469066.19 | 1494769.09 | TSW                |
| 50          | 5099.93   | 1469099.66 | 1494797.36 | TSW=FL             |
| 51          | 5102.23   | 1469091.07 | 1494774.53 | TSW=TC             |
| 52          | 5100.02   | 1469099.41 | 1494791.08 | TSW=FL             |
| 53          | 5099.58   | 1469096.63 | 1494808.52 | TSW-MATCH EX.      |
| 54          | 5102.32   | 1469086.84 | 1494778.78 | TSW=TC             |
| 55          | 5100.11   | 1469093.47 | 1494791.95 | TSW                |
| 56          | 5100.02   | 1469093.67 | 1494796.96 | TSW                |
| 57          | 5099.67   | 1469091.26 | 1494805.84 | TSW=TC - MATCH EX. |
| 58          | 5102.31   | 1469167.78 | 1494786.30 | TC=TSW             |
| 59          | 5102.46   | 1469164.46 | 1494795.74 | TSW                |
| 60          | 5101.70   | 1469143.35 | 1494787.15 | TC=TSW             |

| POINT TABLE |           |            |            |               |
|-------------|-----------|------------|------------|---------------|
| POINT #     | ELEVATION | NORTHING   | EASTING    | DESCRIPTION   |
| 61          | 5101.86   | 1469147.93 | 1494796.34 | TSW           |
| 62          | 5100.51   | 1469129.03 | 1494802.84 | TSW=FL        |
| 63          | 5100.64   | 1469136.65 | 1494805.86 | TSW           |
| 64          | 5100.56   | 1469134.45 | 1494810.36 | TSW           |
| 65          | 5100.44   | 1469127.18 | 1494807.49 | TSW=FL        |
| 66          | 5100.89   | 1469124.09 | 1494815.26 | TC=TSW        |
| 67          | 5101.01   | 1469131.34 | 1494818.15 | TSW           |
| 68          | 5100.00   | 1467941.17 | 1494158.16 | BOC           |
| 69          | 5106.63   | 1469119.34 | 1494623.01 | TSW           |
| 70          | 5106.71   | 1469114.29 | 1494621.35 | TSW           |
| 71          | 5106.72   | 1469108.98 | 1494626.46 | TSW-MATCH EX. |
| 72          | 5106.79   | 1469111.29 | 1494621.05 | TSW-MATCH EX. |
| 73          | 5105.62   | 1469092.86 | 1494672.19 | BOC           |
| 74          | 5105.54   | 1469098.25 | 1494674.85 | BOC           |

**WHPacific**  
6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

|  |   |   |             |
|--|---|---|-------------|
|  |   | CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION |             |
| TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE<br><b>SIDEWALK RAMP DETAILS</b><br>AT COLOBEL AVE & AMOLE MESA AVE |   |   |             |
| Design Review Committee<br><b>APPROVED</b><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE   | City Engineer Approval<br><b>APPROVED</b><br>MAR 10 2015<br>CITY ENGINEER | Mo./Day/Yr.   | Mo./Day/Yr. |
| City Project No.   | Zone Map No.  | Sheet   | Of          |
| 6795.91  | N9 & P9   | 1-18  | 32          |
| NMDOT PROJECT NO. A301500  |   |   |             |

RECORD DRAWING

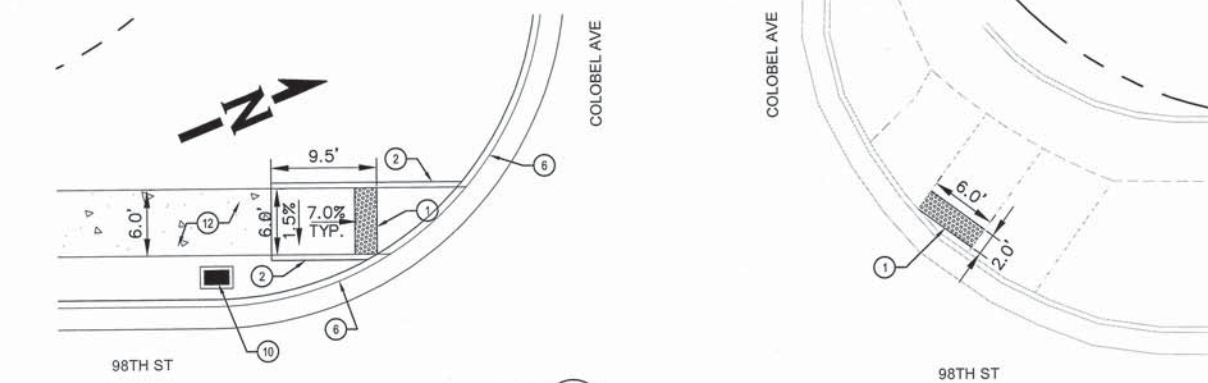


WHP - Standard C&G

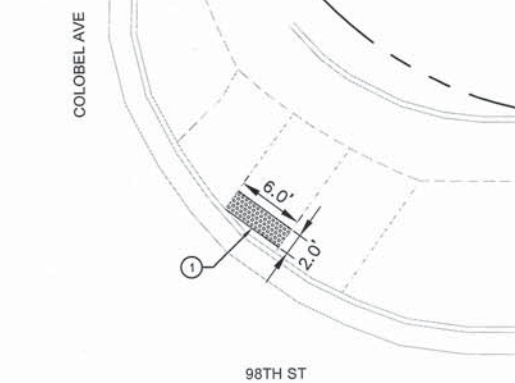
1/27/2015 3:18:18 PM

1/27/2015 3:18:18 PM

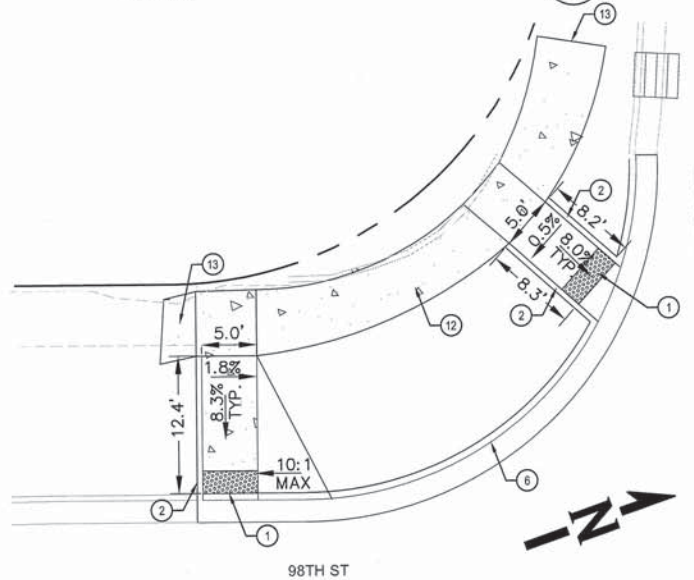
\\cityofalbuquerque\2015\2015 Design\Transportation\A301500\01 - 01 - NMDOT.dwg



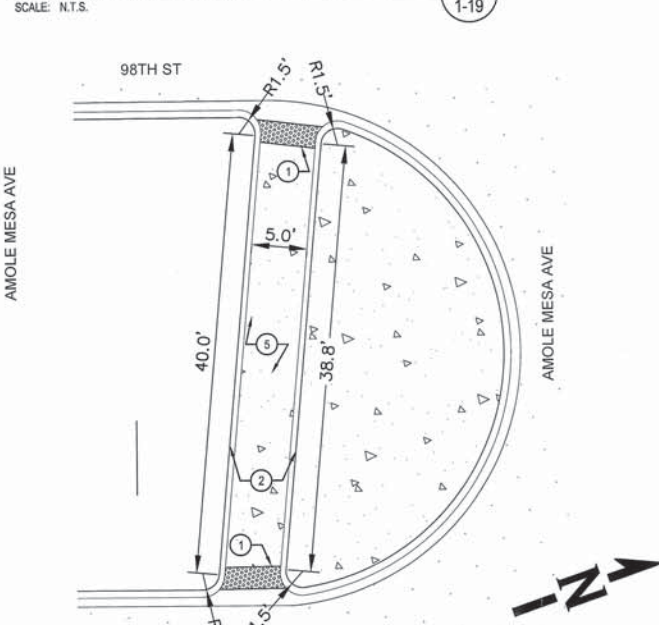
SW SIDEWALK RAMP DETAIL @ COLOBEL INTERSECTION  
SCALE: N.T.S.



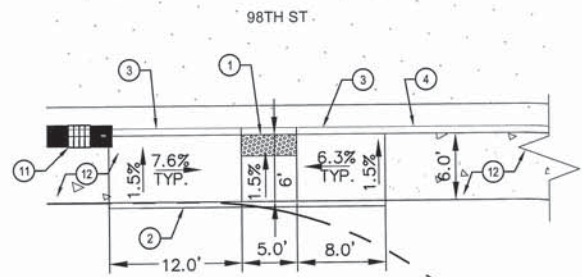
NW SIDEWALK RAMP DETAIL @ COLOBEL INTERSECTION  
SCALE: N.T.S.



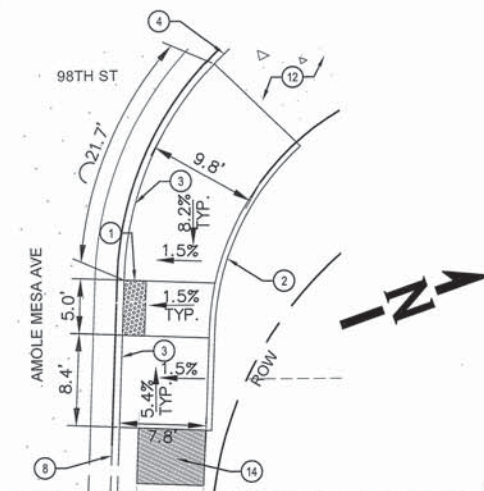
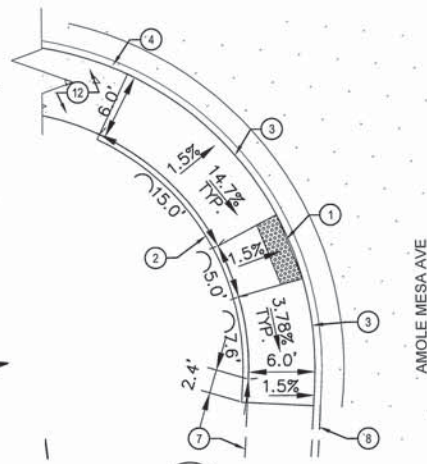
SW SIDEWALK RAMP DETAIL @ AMOLE MESA INTERSECTION  
SCALE: N.T.S.



S MEDIAN REFUGE DETAIL @ AMOLE MESA INTERSECTION  
SCALE: N.T.S.



SE SIDEWALK RAMPS DETAIL @ AMOLE MESA INTERSECTION  
SCALE: N.T.S.



NE SIDEWALK RAMPS DETAIL @ AMOLE MESA INTERSECTION  
SCALE: N.T.S.

### CONSTRUCTION NOTES

1. CONSTRUCT 2' DETECTABLE WARNING SURFACE PERPENDICULAR TO TRAVEL PATH, PER PROWAG STANDARDS.
2. 6" HEADER CURB
3. TAPER CURB FROM FULL CURB HEIGHT TO 0" HEIGHT
4. STANDARD CURB
5. 4" CONCRETE W/BROOM FINISH
6. CONSTRUCT NEW STANDARD CURB & GUTTER PER COA DWG 2415A
7. FUTURE SIDEWALK
8. FUTURE CURB & GUTTER
9. PROPOSED/EXISTING ITS PULL BOX TO REMAIN & TO BE PROTECTED
10. NEW TYPE A DROP INLET
11. CONSTRUCT CONCRETE SIDEWALK
12. TIE TO EXISTING SIDEWALK, WARP SIDEWALK TO MATCH EXISTING SIDEWALK GRADE
13. REMOVE EXISTING ASPHALT PATH AND REPLACE, WARP ASPHALT TO MATCH RAMP

### GENERAL NOTES:

1. THESE DRAWINGS PROVIDE GUIDANCE FOR COMPLIANCE WITH THE CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG). THESE STANDARDS SHALL APPLY TO ALL NEW AND ALTERED SIDEWALKS.
2. SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT. SIDEWALK AND CURB RAMP SURFACES SHALL PROVIDE CONSISTENT SLOPES WITHIN EACH SECTION.
3. ALL BROOM FINISHES SHALL BE PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL.
4. A VERTICAL CHANGE OF 1/4 INCH (6mm) OR LESS IS ALLOWED. IF BETWEEN 1/4 INCH AND 1/2 INCH (6mm AND 13mm), THEN IT NEEDS TO BE BEVELED 2:1. CHANGES GREATER THAN 1/2 INCH SHALL BE RAMPED.
5. OPENINGS OR CRACKS IN SIDEWALK SURFACES SHALL NOT EXCEED 1/2 INCH (13mm). ELONGATED OPENINGS SHOULD BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR OR DIAGONAL TO THE DOMINANT DIRECTION OF TRAVEL.
6. THE LEAST POSSIBLE CURB RAMP SLOPE SHALL BE USED. CURB RAMPS RUNNING SLOPE SHALL NOT EXCEED 12:1. WHERE EXISTING TERRAIN IS STEEP, CURB RAMPS SHALL NOT EXCEED 15 FEET IN LENGTH.
7. PROVIDE A FLUSH TRANSITION BETWEEN CURB RAMPS, SIDEWALKS, GUTTER, AND EDGE OF PAVEMENT. FREE OF DRAINAGE LIP, ABRUPT GRADE CHANGES, DROP-OFFS, OR ANY SURFACE IRREGULARITIES. A 5% (20:1) OR FLATTER TRANSITION TAPER SHALL BE PROVIDED FROM THE STREET TO THE GUTTER FOR CURB RAMP LOCATIONS (THIS MAY REQUIRE SPECIAL TREATMENT OF THE EDGE OF O.G.F.C.) WHEN DIAGONAL (NOT IN LINE WITH CROSSWALKS) CURB RAMPS ARE NECESSARY. A 2% (50:1) TRANSITION OR "LOWER LANDING" SHALL BE PROVIDED. THE GUTTER RUNNING SLOPE (FLOW LINE) SHALL NOT EXCEED 2% MEASURED ALONG THE BOTTOM OF THE CURB RAMP.
8. CURB RAMPS SHALL BE LOCATED TO PROVIDE THE MOST DIRECT ROUTE OF TRAVEL ACROSS THE TRAFFIC LANES.
9. TWO DIRECTIONAL (IN LINE WITH THE CROSSWALKS) CURB RAMPS PER CORNER ARE USED IN ORDER TO PROVIDE SHORT AND DIRECT CROSSINGS FOR THE USER.
10. SIGN POSTS, UTILITY POLES, FIRE HYDRANTS, TRAFFIC SIGNAL STANDARDS, LIGHT POLES, PULL BOXES, METERS, VALVES, ETC., SHALL NOT BE LOCATED IN THE CURB RAMP INCLUDING SIDE FLARES AND LANDINGS.
11. IN ORDER TO BETTER ACCOMMODATE CONDITIONS IN THE FIELD, THE CONTRACTOR SHALL OBTAIN FINAL APPROVAL OF CURB RAMP LOCATIONS FROM THE PROJECT MANAGER AND THE CITY TRAFFIC ENGINEER. WHEN NECESSITATED BY EXISTING PHYSICAL CONDITIONS, ALTERNATE CURB RAMPS MUST BE SUBMITTED TO THE PROJECT MANAGER FOR APPROVAL BY THE CITY TRAFFIC ENGINEER.
12. LANDINGS SHALL BE A MINIMUM OF 48" X 48". SLOPES SHALL NOT EXCEED 2% (50:1) IN ALL DIRECTIONS.
13. DETECTABLE WARNINGS ARE REQUIRED AT ALL STREET INTERSECTIONS, SIGNALIZED DRIVEWAYS, COMMERCIAL DRIVEWAYS 30' WIDE OR GREATER, AND MARKED MID-BLOCK CROSSWALKS.
14. SUBMIT SPECIFICATIONS TO CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.
15. SEE SHEET 1-18 AND THE APPROPRIATE PLAN & PROFILE SHEETS FOR ELEVATIONS.
16. CONCRETE PROCEDURAL NOTE: BEFORE SCHEDULING DELIVERY OF CONCRETE, CONTRACTOR SHALL MEET WITH CITY INSPECTOR/PM TO ENSURE THE CONCRETE FORMWORK IS CONSTRUCTED TO DIMENSIONS AND GRADES SHOWN ON PLANS AND MEETS PROWAG, 2011 TECHNICAL DESIGN CRITERIA. CALIBRATE 24" ELECTRONIC DIGITAL LEVEL WITH CONTRACTOR'S ELECTRONIC DIGITAL LEVEL PRIOR TO VERIFYING MEASUREMENTS. VERIFY MEASUREMENTS MEET REQUIREMENTS OR REQUIRE CORRECTION OF ALL DISCREPANCIES BEFORE SCHEDULING OF CONCRETE TO ENSURE THE FINISHED CONCRETE WILL MEET PROWAG. WHEN ALL MEASUREMENTS MEET REQUIREMENTS THEN THE INSPECTOR SHALL PERMIT CONCRETE POUR. REPEAT THE PROCEDURE AFTER CONCRETE POUR TO ENSURE THE CURB RAMP MEETS PROWAG COMPLIANCE. FINAL ACCEPTANCE OF A CURB RAMP DOES NOT OCCUR UNTIL THE FINAL INSPECTION OF THE PROJECT.

Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
260-1990

**WHPacific**  
6501 Americas Plaza NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION |  |
|---|--|
| TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE               |  |
| SIDWALK RAMP DETAILS  |  |
| Design Review Committee<br><b>APPROVE</b><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE   | City Engineer Approval<br><b>APPROVE</b><br>MAR 10 2015<br>CITY ENGINEER |
| City Project No.<br>6795.91   | Zone Map No.<br>N9 & P9  |
| Sheet<br>1-19   | Of<br>32   |
| NMDOT PROJECT NO. A301500   |  |

| AS BUILT INFORMATION |      |
|----------------------|------|
| CONTRACTOR           | DATE |
| WORKS BY             | DATE |
| APPROVED BY          | DATE |
| DESIGNED BY          | DATE |
| DRAWN BY             | DATE |
| CHECKED BY           | DATE |

| BENCH MARKS  |      |
|--|------|
| THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP          | DATE |
| STAMPED "3-N10" SET FLUSH ON TOP OF CONCRETE       | DATE |
| CURB IN THE NW CURB RETURN OF UNSER BLVD. SW       | DATE |
| AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF | DATE |
| CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF       | DATE |
| CENTERLINE OF UNSER BLVD SW.                       | DATE |
| STAMPED 3-N10                                      | DATE |
| ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988)      | DATE |
| N=1469674.583 E=1497276.885                        | DATE |

| SURVEY INFORMATION |      |
|--------------------|------|
| FIELD NOTES        | DATE |
| BY                 | DATE |
| NO.                | DATE |

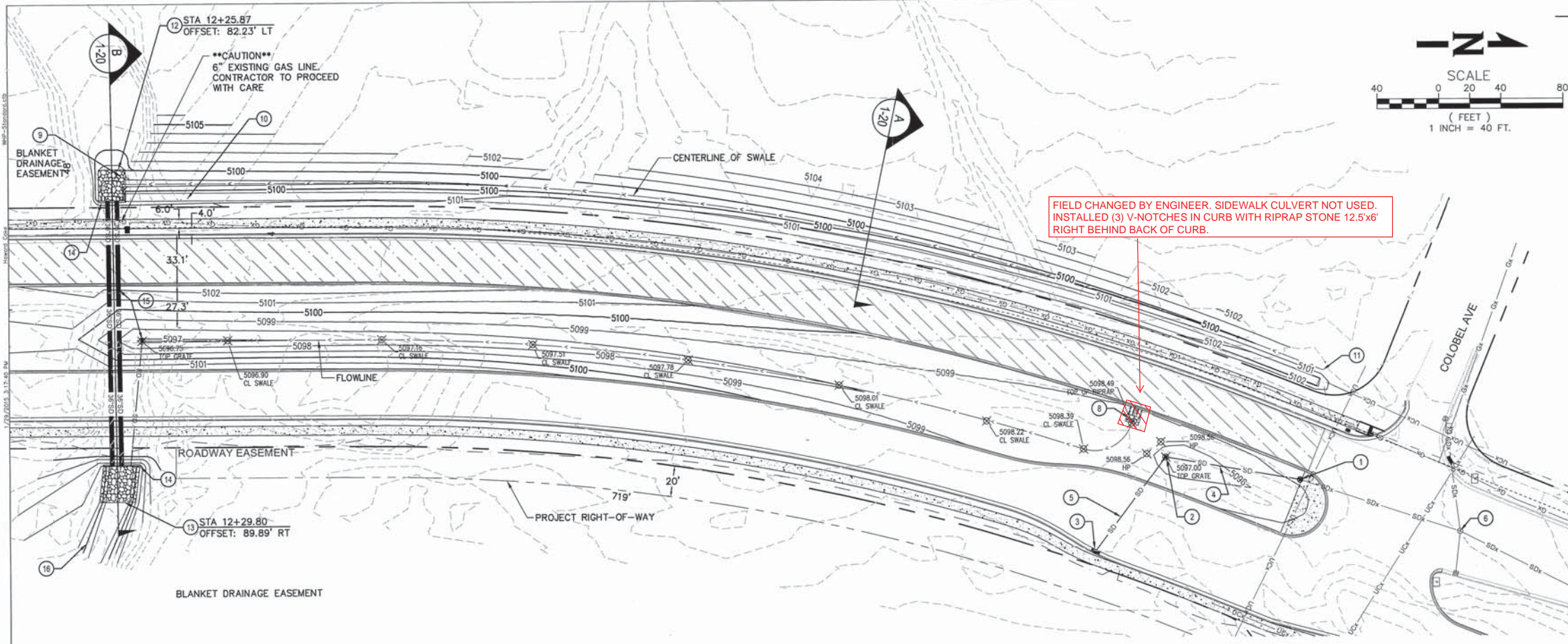
| ENGINEER'S SEAL  |  |
|--|--|
| HOWARD R. CAKE<br>NEW MEXICO<br>16898<br>Professional Engineer |  |

| REVISIONS |      |
|-----------|------|
| NO.       | DATE |
| DATE      | DATE |
| DATE      | DATE |

RECORD DRAWING





### CONSTRUCTION NOTES

- STA 20+04, 21.4' LT  
CONSTRUCT NEW 4' DIA TYPE E MH PER COA  
STD DWG 2102  
RIM = 5099.20' (BOLT MH COVER)  
INV (N) = 5093.89' (MATCH EXISTING)  
INV (S) = 5093.94'
- STA 19+18, 3.6' LT  
CONSTRUCT NEW TYPE D SINGLE GRATE INLET  
PER COA STD DWG 2206 AND PER MODIFIED  
COA STD DWG 2220, SHEET 1-31  
SURGE INLET GRATE = 5097.0' (BOLT GRATE)  
INV (N) = 5094.28'  
INV (SE) = 5094.38'
- STA 18+94.50, 69.1' RT  
CONSTRUCT NEW DOUBLE WING TYPE A DROP  
INLET PER MODIFIED COA STD DWG 2201,  
SHEET 1-32 & GRATE PER MODIFIED COA  
STD DWG 2220, SHEET 1-31  
GRATE = 5097.49' (BOLT GRATE)  
INV = 5094.76'
- INSTALL 88 LF 24" CIRCULAR RCP STORM  
DRAIN, SEE STORM DRAIN EXTENSION PROFILE  
DETAIL A, SHEET 1-21  
S = 0.4%
- INSTALL 72 LF 14"x23" ELLIPTICAL RCP  
STORM DRAIN, SEE STORM DRAIN EXTENSION  
PROFILE DETAIL A, SHEET 1-21  
S = 0.5%
- EXISTING STORM DRAIN MH #1  
RIM = 5100.01' (BOLT MH COVER)  
INV = 5093.31'
- EXISTING STORM DRAIN MH #2  
RIM = 5101.13'  
INV = 5091.33' (24" IN)  
INV = 5088.63 (60" OUT)
- STA 18+90  
CONSTRUCT (3) SIDEWALK CULVERTS PER COA  
STD DWG 2236. SLOPE RUNDOWN FROM ROAD  
TO MEDIAN @ SLOPE = 6.7%. CONSTRUCT  
9'x5'x1.5' RIPRAP PAD AT DOWNSTREAM END  
OF RUNDOWN. TACK WELD BOLTS @ THE  
PLATE.
- GRADE SWALE TO MATCH NEW GRADING AT  
CULVERT ENTRANCE, SEE DETAIL C, SHEET  
1-21
- STA 12+74, 82.9' LT  
BEGIN SWALE  
INV = 5098.6'
- STA 19+91, 93.7' LT  
END SWALE  
INV = 5100.1'
- BUILD WIRE-TIED RIPRAP PAD PER COA STD  
DWG 2270 AT UPSTREAM END OF CULVERT.  
17.5' WIDE x 20' LONG x 2' DEEP TYPE L.
- BUILD WIRE-TIED RIPRAP PAD PER COA STD  
DWG 2270 AT DOWNSTREAM END OF CULVERT.  
23.5' WIDE x 24' LONG x 2' DEEP TYPE L.
- CONSTRUCT CONCRETE HEADWALL PER NMDOT  
SERIAL 511-03, SHEET 1-29 & 1-30.
- CONSTRUCT CULVERTS, INLET, AND DRAIN LINE  
PER PROFILE B.
- SEE DETAIL D, SHEET 1-21 FOR GRADING  
DETAILS

Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
**260-1990**

**WHPacific**  
6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

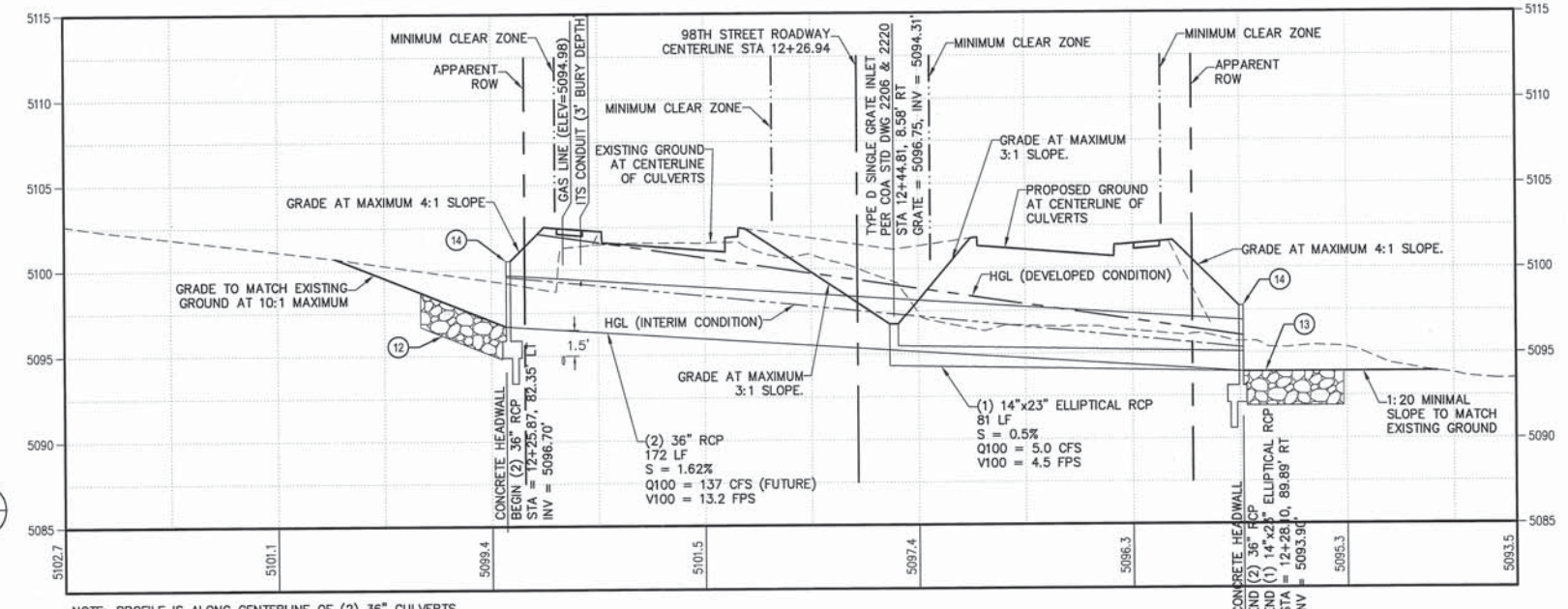
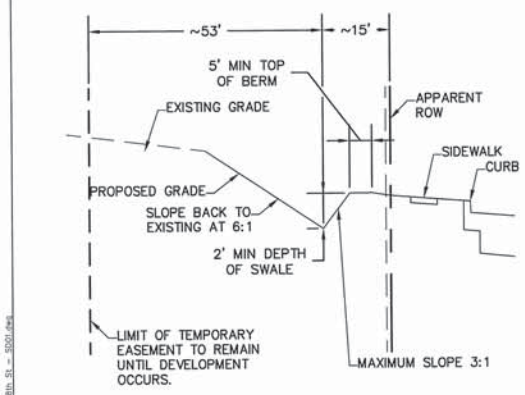


CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
TRANSPORTATION DIVISION

TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE  
**DRAINAGE PLAN & PROFILE**  
98TH STREET STA 11+00.00 TO STA 22+00.00

| Design Review Committee                            | City Engineer Approval                   | Mo./Day/Yr. | Mo./Day/Yr. |
|--|--|-------------|-------------|
| APPROVED<br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE | APPROVED<br>MAR 10 2015<br>CITY ENGINEER |             |             |
| City Project No.                                   | Zone Map No.                             | Sheet       | Of          |
| 6795.91  | N9 & P9                                  | 1-20        | 32          |

NMDOT PROJECT NO. A301500

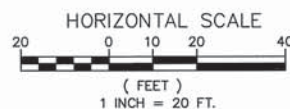


NOTE: PROFILE IS ALONG CENTERLINE OF (2) 36" CULVERTS.

STA 12+29  
(2) 36" CIRCULAR CULVERTS AND (1) 14"x23" ELLIPTICAL OUTLET  
SCALE: HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'




RECORD DRAWING





**WHPacific**  
6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
[www.whpacific.com](http://www.whpacific.com)

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

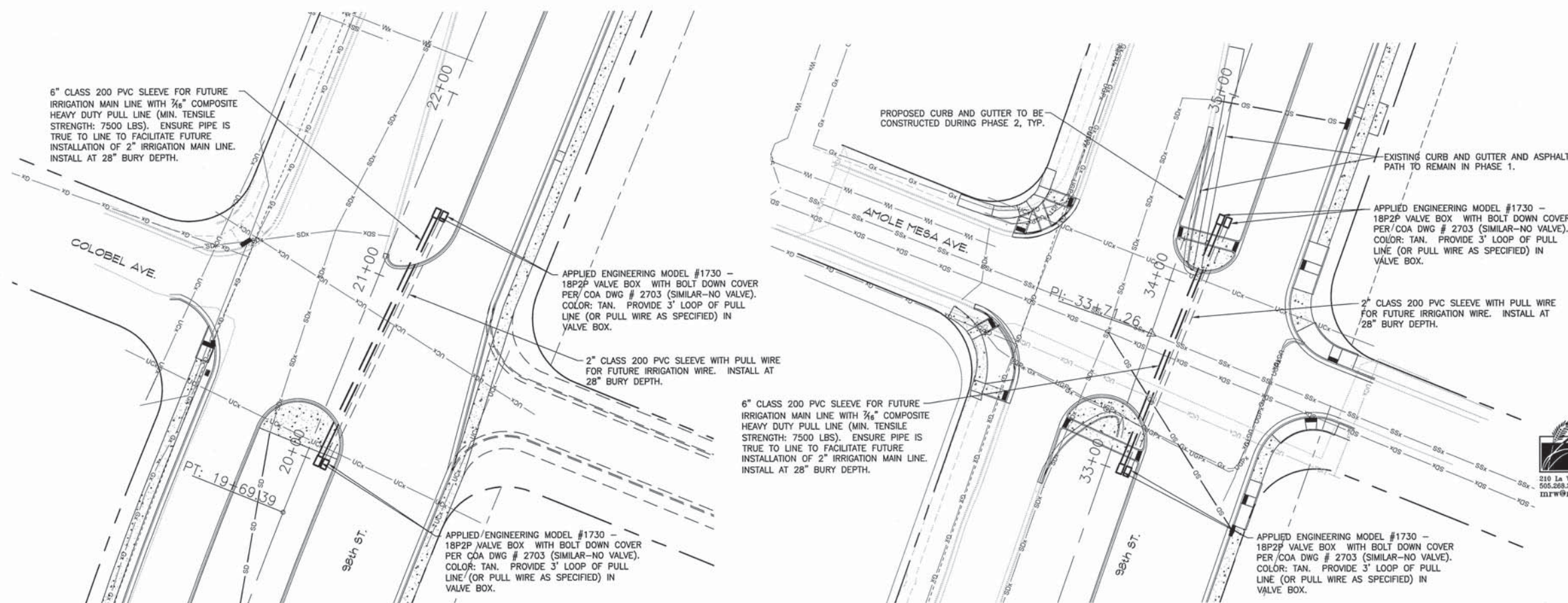
|   |  |   |  |
|---|--|---|--|
|    | <b>CITY OF ALBUQUERQUE</b><br><b>DEPARTMENT OF MUNICIPAL DEVELOPMENT</b><br><b>TRANSPORTATION DIVISION</b>   |   |  |
| <b>TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE</b><br><b>STORM DRAIN PROFILES</b><br><b>98TH STREET STA 18+76 TO STA 20+04</b>  |  |   |  |
| <b>Design Review Committee</b><br><div style="border: 1px solid black; padding: 5px; text-align: center;"> <br/> <b>APPROVE</b><br/> MAR 10 2015<br/> DESIGN REVIEW COMMITTEE </div> | <b>City Engineer Approval</b><br><div style="border: 1px solid black; padding: 5px; text-align: center;"> <br/> <b>APPROVE</b><br/> MAR 10 2015<br/> CITY ENGINEER </div> | <b>Last Design Update</b><br><div style="border: 1px solid black; padding: 5px;"> Mo./Day/Yr.<br/> <br/> <br/> <br/> <br/> </div> | <b>Last Update</b><br><div style="border: 1px solid black; padding: 5px;"> Mo./Day/Yr.<br/> <br/> <br/> <br/> <br/> </div> |
| <b>City Project No.</b><br><div style="border: 1px solid black; padding: 5px; text-align: center;"> 6795.91 </div>  | <b>Zone Map No.</b><br><div style="border: 1px solid black; padding: 5px; text-align: center;"> N9 &amp; P9 </div>   | <b>Sheet</b> <b>Of</b><br><div style="border: 1px solid black; padding: 5px; text-align: center;"> 1-21      32 </div>            |  |
| <b>NMDOT PROJECT NO. A301500</b>  |  |   |  |

RECORD DRAWING




1. CONTRACTOR SHALL VERIFY EXISTING UTILITIES AND PROTECT FROM DAMAGE BY CONSTRUCTION OPERATIONS. IF CONTRACTOR DAMAGES AN EXISTING UTILITY, CONTRACTOR SHALL REPAIR OR REPLACE AT NO EXPENSE TO THE OWNER. IF CONTRACTOR DAMAGES THE EXISTING TRAFFIC INTERCONNECT COMMUNICATION CABLE, CONTRACTOR SHALL REPLACE ENTIRE RUN OF COMMUNICATION CABLE PER COA SPECIFICATIONS, WITH NO SPLICES AND AT NO EXPENSE TO OWNER.

2. FINISH GRADE IN FUTURE LANDSCAPE AREAS (DIRT AREAS) IN MEANS SHALL BE 5' BELOW TOP OF MEDIAN CURB. DEBRIS AND ROCKS OVER 1" DIAMETER SHALL BE REMOVED TO A 24" DEPTH.



Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
260-1990

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

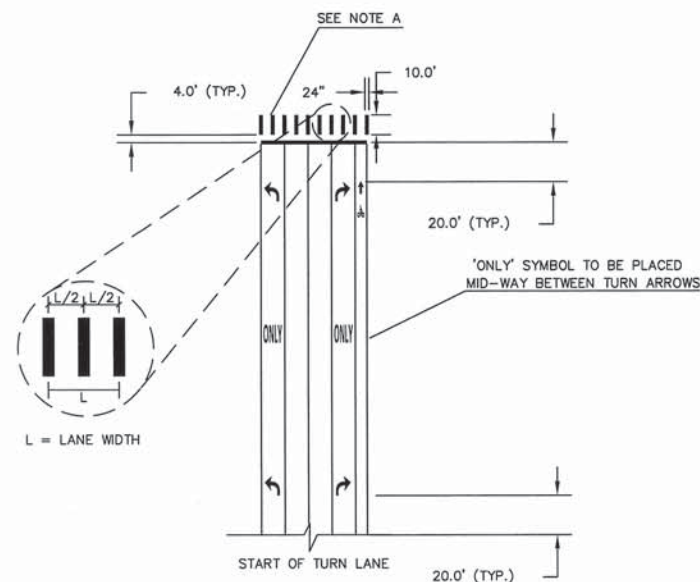
|   |  |                    |                                 |                                 |
|---|--|--------------------|---------------------------------|---------------------------------|
|    | CITY OF ALBUQUERQUE  |                    |                                 |                                 |
|   | DEPARTMENT OF MUNICIPAL DEVELOPMENT  |                    |                                 |                                 |
|   | TRANSPORTATION DIVISION  |                    |                                 |                                 |
| TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE   |  |                    |                                 |                                 |
| <b>SLEEVES FOR FUTURE<br/>LANDSCAPE IRRIGATION SYSTEM</b>   |  |                    |                                 |                                 |
| Design Review Committee<br><div style="border: 1px solid black; padding: 10px; text-align: center;"> <div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; font-size: 2em;">A</div> <div style="text-align: center;"> <div style="border-bottom: 1px solid black; font-weight: bold; font-size: 1.5em;">APPROVE</div> <div style="margin: 5px 0;">MAR 10 2015</div> <div style="border-top: 1px solid black; font-weight: bold; font-size: 1.5em;">DESIGN<br/>REVIEW COMMITTEE</div> </div> </div> </div> | City Engineer Approval<br><div style="border: 1px solid black; padding: 10px; text-align: center;"> <div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; font-size: 2em;">A</div> <div style="text-align: center;"> <div style="border-bottom: 1px solid black; font-weight: bold; font-size: 1.5em;">APPROVE</div> <div style="margin: 5px 0;">MAR 10 2015</div> <div style="border-top: 1px solid black; font-weight: bold; font-size: 1.5em;">CITY ENGINEER</div> </div> </div> </div> | Last Design Update | Mo./Day/Yr.<br><br><br><br><br> | Mo./Day/Yr.<br><br><br><br><br> |
| City Project No.  | Zone Map No.   | Sheet              | Of                              |                                 |
| 6795.91   | N9 & P9  | 1-22               | 32                              |                                 |

RECORD DRAWING

NMDOT PROJECT NO. A301500



1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, AND THESE PLANS.
2. ALL SIGNS SHALL BE PER COA STD SPEC 450 AND MADE OF TYPE IV PRISMATIC SHEETING WITH SHEETING TYPE ASTM D4956-04 AS PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009 EDITION.
3. AT ALL INTERSECTIONS, SIGNALIZED AND NON-SIGNALIZED, STRIPING SHALL BE REFRESHED 100' BEYOND THE PROPOSED 98TH STREET INTERSECTION STRIPING. ON STREETS WHERE THE EXISTING STRIPING IS LESS THAN 100', THE STRIPING SHALL BE REFRESHED TO THE EXISTING LENGTH AS SHOWN IN THE PLANS.
4. CONTRACTOR SHALL MAKE EVERY EFFORT TO REMOVE GRAFFITI FROM ANY EXISTING OR RELOCATED SIGN WITHIN THE PROJECT CORRIDOR. GRAFFITI REMOVAL SHALL BE INCIDENTAL TO THE COMPLETION OF THE PROJECT.
5. ALL PAVEMENT MARKING INSTALLATION SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED WITHIN THE PLAN SET. ALL PAVEMENT MARKINGS SHALL BE PER COA STD SPEC 440, 441, AND 442.
6. PAVEMENT MARKING REMOVAL SHALL BE PERFORMED PER COA STD SPEC 44.3. METHOD SHALL BE AT THE DISCRETION OF THE CONTRACTOR BUT REQUIRE CITY APPROVAL PRIOR TO COMMENCING WORK.
7. ALL SIGN POST INSTALLATION PER NMDOT STANDARD DRAWING 701-02-1/3. SEE DETAIL THIS SHEET.



## PAVEMENT MARKING DETAILS - CROSSWALK AND APPROACH

NOTE A. 24" X 10' LONGITUDINAL CROSSWALK MARKINGS SHALL BE INSTALLED CENTERED AT EACH DRIVING LANE AS SHOWN ABOVE TO AVOID THE WHEEL PATHS. LAYOUT AT EACH INTERSECTION SHALL REQUIRE APPROVAL BY THE CITY PROJECT MANAGER PRIOR TO INSTALLATION.

SIGNING LEGEND:



NEW/RELOCATED SIGN

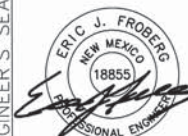


REMOVE &amp; SALVAGE/RELOCATE



PROTECT IN PLACE

| SURVEY INFORMATION   |    | FIELD NOTES |  | AS BUILT INFORMATION |      |
|--|----|-------------|--|----------------------|------|
| NO.  | BY | DATE        | CONTRACTOR   | DATE                 | DATE |
| <p>THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.<br/>           STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE<br/>           CURB IN THE NW CURB RETURN OF UNSER BLVD. SW<br/>           AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH<br/>           OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST<br/>           OF CENTERLINE OF UNSER BLVD SW.</p> |    |             | <p>WORKING<br/>           STARTED BY<br/>           ACCEPTANCE BY<br/>           FIELD<br/>           DRAWINGS<br/>           CORRECTED BY<br/>           MICRO-FILM INFORMATION</p> |                      |      |
| <p>STAMPED 3-N10<br/>           ELEVATION=5036.498 FT (2ND ORDER) (NAVD 1988)</p>  |    |             | <p>RECORDED BY<br/>           NO.</p>  |                      |      |

[illegible]

01/13/2015

|   |             |             |
|---|-------------|-------------|
| <b>QUERQUE</b><br><b>T DEPARTMENT</b><br><b>IVISION</b><br><b>R DENNIS CHAVEZ - PHASE 1</b><br><b>LAYOUT SHEET</b><br><b>ND DETAILS</b> |             |             |
|   | Mo./Day/Yr. | Mo./Day/Yr. |
|   |             |             |
|   |             |             |
|   |             |             |
| No.   | Sheet       | Of          |
| 9   | 1-23        | 32          |

### 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.) |
|-----------------|----------------------|----------------------------|--------------------------|
| * U-CHANNEL     | 2.00 x 2.00 (10 GA.) | 11                         | 10                       |
| * SQUARE TUBING | 2.00 x 2.00 (10 GA.) | 11                         | 10                       |
| * U-CHANNEL     | 2.25 x 2.25 (12 GA.) | 12                         | 10.5                     |
| * SQUARE TUBING | 2.25 x 2.25 (12 GA.) | 12                         | 10.5                     |
| * U-CHANNEL     | 2.50 x 2.50 (14 GA.) | 13                         | 10.5                     |
| * SQUARE TUBING | 2.50 x 2.50 (14 GA.) | 13                         | 10.5                     |
| * U-CHANNEL     | 2.75 x 2.75 (16 GA.) | 14                         | 10.5                     |
| * SQUARE TUBING | 2.75 x 2.75 (16 GA.) | 14                         | 10.5                     |
| * U-CHANNEL     | 3.00 x 3.00 (18 GA.) | 15                         | 10.5                     |
| * SQUARE TUBING | 3.00 x 3.00 (18 GA.) | 15                         | 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 701-02-3/3)

| POST TYPE       | POST SIZE            | MAX. CLEAR HEIGHT, H (FT.) | MAX. SIGN AREA (SQ. FT.) |
|-----------------|----------------------|----------------------------|--------------------------|
| * U-CHANNEL     | 2.00 x 2.00 (10 GA.) | 11                         | 10                       |
| * SQUARE TUBING | 2.00 x 2.00 (10 GA.) | 11                         | 10                       |
| * U-CHANNEL     | 2.25 x 2.25 (12 GA.) | 12                         | 10.5                     |
| * SQUARE TUBING | 2.25 x 2.25 (12 GA.) | 12                         | 10.5                     |
| * U-CHANNEL     | 2.50 x 2.50 (14 GA.) | 13                         | 10.5                     |
| * SQUARE TUBING | 2.50 x 2.50 (14 GA.) | 13                         | 10.5                     |
| * U-CHANNEL     | 2.75 x 2.75 (16 GA.) | 14                         | 10.5                     |
| * SQUARE TUBING | 2.75 x 2.75 (16 GA.) | 14                         | 10.5                     |
| * U-CHANNEL     | 3.00 x 3.00 (18 GA.) | 15                         | 10.5                     |
| * SQUARE TUBING | 3.00 x 3.00 (18 GA.) | 15                         | 10.5                     |

### TRIPLE POST INSTALLATION

(TOTAL SIGN AREA NOT TO EXCEED 60 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     | 2.00 x 2.00 (10 GA.) | 11                         | 10                       |
| * SQUARE TUBING | 2.00 x 2.00 (10 GA.) | 11                         | 10                       |
| * U-CHANNEL     | 2.25 x 2.25 (12 GA.) | 12                         | 10.5                     |
| * SQUARE TUBING | 2.25 x 2.25 (12 GA.) | 12                         | 10.5                     |
| * U-CHANNEL     | 2.50 x 2.50 (14 GA.) | 13                         | 10.5                     |
| * SQUARE TUBING | 2.50 x 2.50 (14 GA.) | 13                         | 10.5                     |
| * U-CHANNEL     | 2.75 x 2.75 (16 GA.) | 14                         | 10.5                     |
| * SQUARE TUBING | 2.75 x 2.75 (16 GA.) | 14                         | 10.5                     |
| * U-CHANNEL     | 3.00 x 3.00 (18 GA.) | 15                         | 10.5                     |
| * SQUARE TUBING | 3.00 x 3.00 (18 GA.) | 15                         | 10.5                     |

### BASE POST INSTALLATION DETAILS

FOR SQUARE TUBING AND U-CHANNEL SYSTEMS

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

\* NOTE: SEE MANUFACTURER'S DRAWINGS FOR SPECIFIC ASSEMBLY INFORMATION (POST TO BASE POST OVERLAP), INCLUDING TYPES OF NUTS, BOLTS, WASHERS, AND OTHER PARTS REQUIRED FOR PRODUCT USE.

### BASE POST INSTALLATION DETAILS

FOR SQUARE TUBING AND U-CHANNEL SYSTEMS

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

\* NOTE: SEE MANUFACTURER'S DRAWINGS FOR SPECIFIC ASSEMBLY INFORMATION (POST TO BASE POST OVERLAP), INCLUDING TYPES OF NUTS, BOLTS, WASHERS, AND OTHER PARTS REQUIRED FOR PRODUCT USE.

| DATE | REV. | BY | DESCRIPTION |
|------|------|----|-------------|
|      |      |    |             |
|      |      |    |             |




**NEW MEXICO**  
**DEPARTMENT OF TRANSPORTATION**  
**STANDARD DRAWING**

**SMALL SIGN SUPPORT**  
**INSTALLATION DETAILS**

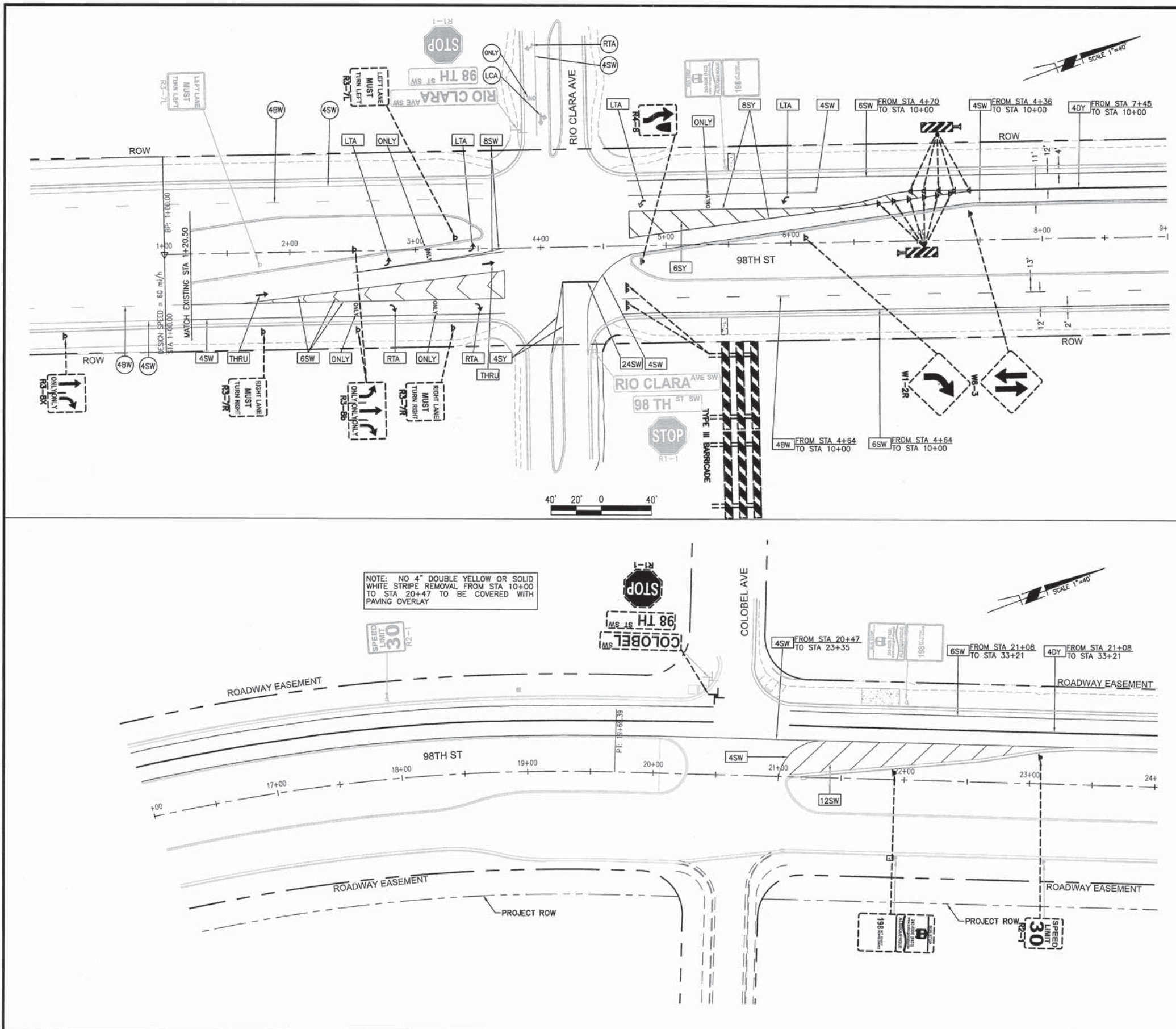
APPROVED: **DAVID L. MARTINEZ** CHIEF ENGINEER

DESIGNED BY: **DAVID L. MARTINEZ** CHIEF ENGINEER

701-02-1/3 SHEET 1 OF 3

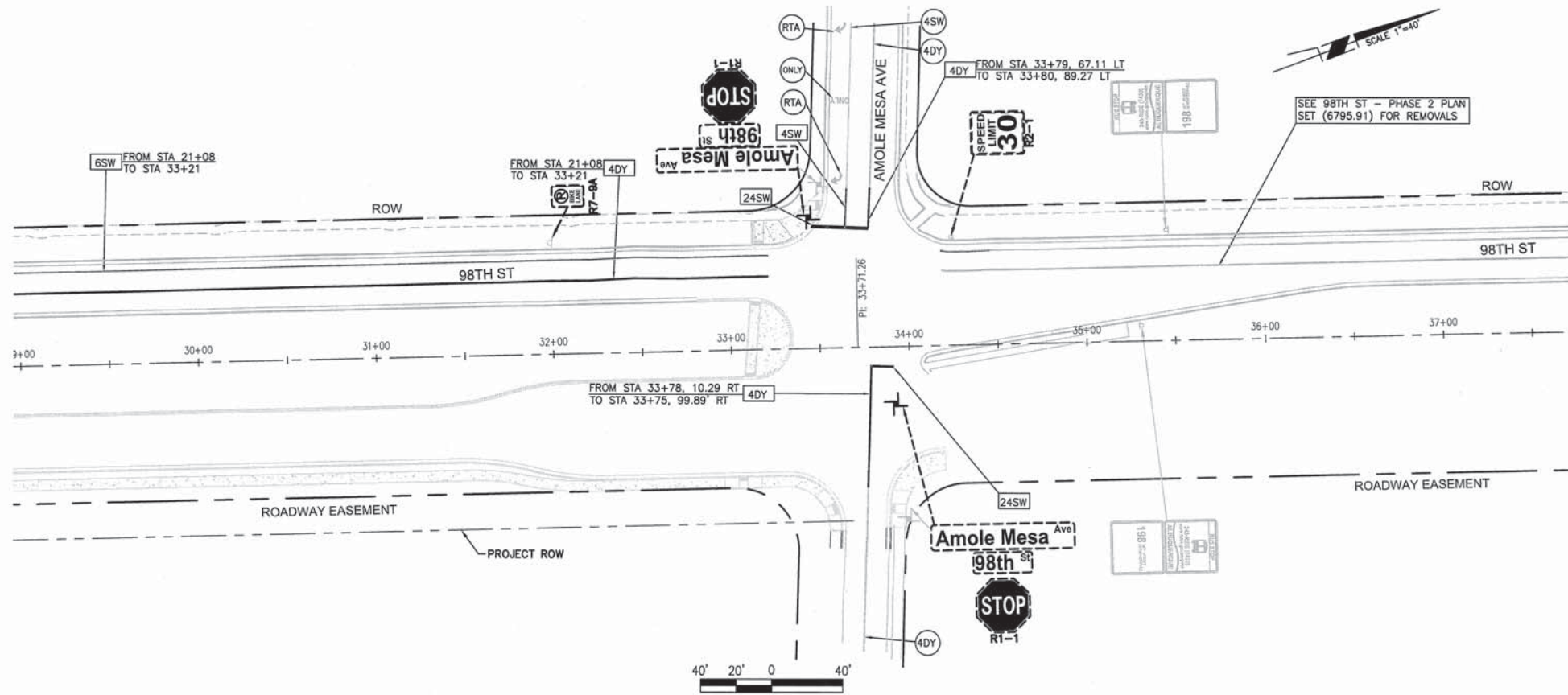
|   |  |  |  |                                     |  |
|---|--|--|--|-------------------------------------|--|
| <b>TY. LIN</b><br>engineers   planners   scientists   |  | NO. DATE   |  | DESIGNED BY:<br>DRAWN BY:           |  |
| 500 4th Street NW Suite 403<br>Bank of America Centre<br>Albuquerque, NM 87102  |  |  |  |                                     |  |
|    |  | <b>CITY OF ALBUQUERQUE</b><br><b>MUNICIPAL DEVELOPMENT DEPARTMENT</b><br><b>ENGINEERING DIVISION</b> |  |                                     |  |
| <b>TITLE: 98TH STREET WIDENING – GIBSON TO SENATOR DENNIS CHAVEZ – PHASE 1</b><br><b>SIGING &amp; STRIPING LAYOUT SHEET</b><br><b>GENERAL NOTES AND DETAILS</b> |  |  |  |                                     |  |
| Design Review Committee   |  | City Engineer Approval   |  | Last Design Update                  |  |
|    |  |                 |  | Mo./Day/Yr.<br><br><br><br><br><br> |  |
| City Project No. 6795.91  |  | Zone Map No. N9.P9   |  | Sheet 1-23 of 32                    |  |





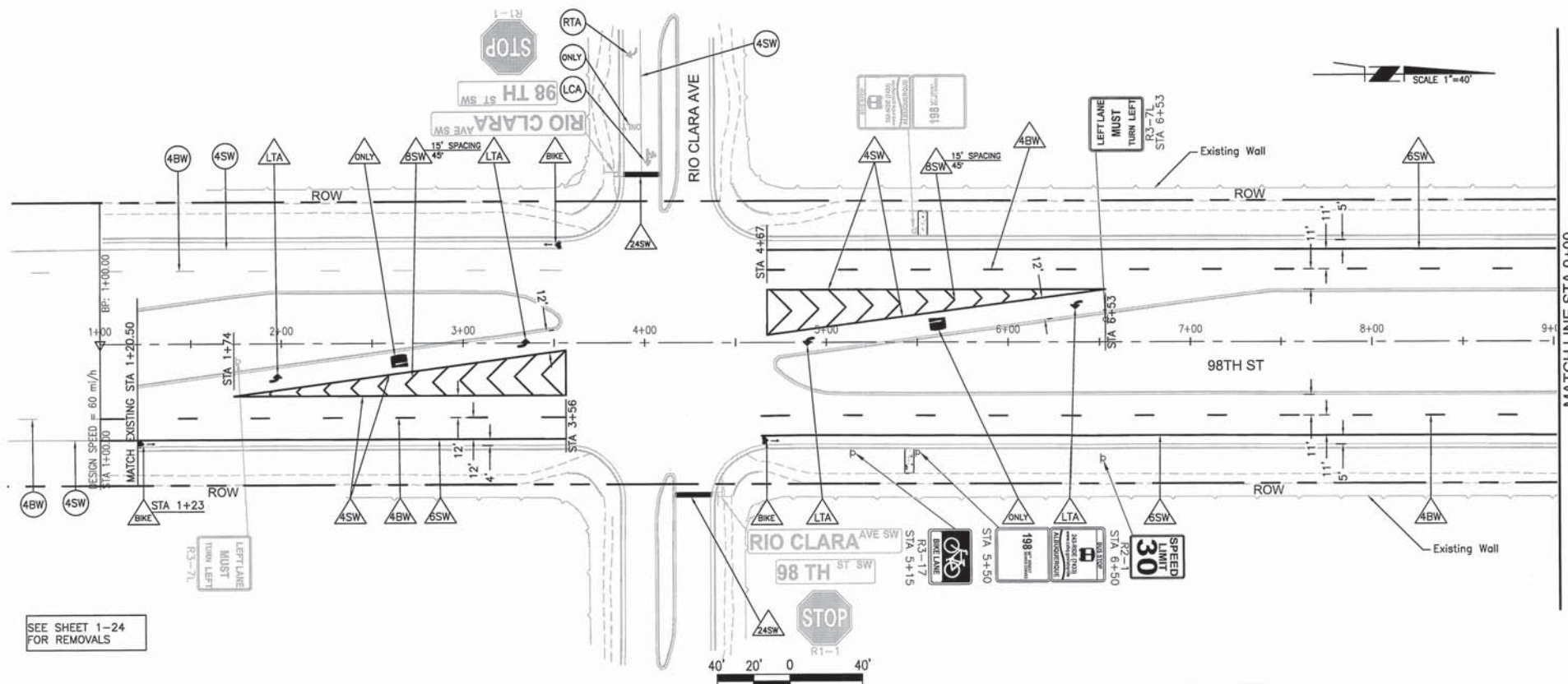
| REMOVAL QUANTITIES                             |                               | AS BUILT INFORMATION                            |      |
|--|-------------------------------|---|------|
| 4BW  | 4" BROKEN WHITE STRIPE        | 134 LF  | DATE |
| 4SW  | 4" SOLID WHITE STRIPE         | 955 LF  | DATE |
| 4SY  | 4" SOLID YELLOW STRIPE        | 106 LF  | DATE |
| 4DY  | 4" SOLID DOUBLE YELLOW STRIPE | 1,468 LF  | DATE |
| 6SW  | 6" SOLID WHITE STRIPE         | 1,743 LF  | DATE |
| 6SY  | 6" SOLID YELLOW STRIPE        | 146 LF  | DATE |
| 8SW  | 8" SOLID WHITE STRIPE         | 244 LF  | DATE |
| 8SY  | 8" SOLID YELLOW STRIPE        | 582 LF  | DATE |
| 12SW   | 12" SOLID WHITE STRIPE        | 262 LF  | DATE |
| 24SW   | 24" STOP BAR (WHITE)          | 28 LF   | DATE |
| LTA  | LEFT TURN ARROW               | 4 EA  | DATE |
| RTA  | RIGHT TURN ARROW              | 2 EA  | DATE |
| THRU   | THRU ARROW                    | 2 EA  | DATE |
| ONLY   | "ONLY" PAVEMENT MARKING       | 4 EA  | DATE |
| STRIPES TO REMAIN                              |                               | BENCH MARKS                                     |      |
| 4BW  | 4" BROKEN WHITE STRIPE        | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.      |      |
| 4SW  | 4" SOLID WHITE STRIPE         | STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE   |      |
| LCA  | LEFT/THRU COMBO ARROW         | CURB IN THE NW CURB RETURN OF UNSER BLVD. SW    |      |
| ONLY   | "ONLY" PAVEMENT MARKING       | AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH |      |
| RTA  | RIGHT TURN ARROW              | OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST    |      |
|  |                               | OF CENTERLINE OF UNSER BLVD. SW.                |      |
|  |                               | STAMPED 3.N10                                   |      |
|  |                               | ELEVATION=5036.496 FT (2ND ORDER) (NAD 1988)    |      |
|  |                               | N=1469674.583 E=11497276.885                    |      |
| SIGN RELOCATES/REMOVALS                        |                               | SURVEY INFORMATION                              |      |
| SPEED LIMIT 30 REMOVE & SALVAGE/RELOCATE 24 EA |                               | FIELD NOTES                                     | DATE |
| SPEED LIMIT 30 PROTECT IN PLACE                |                               | NO.   | BY   |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |
|  |                               |   |      |



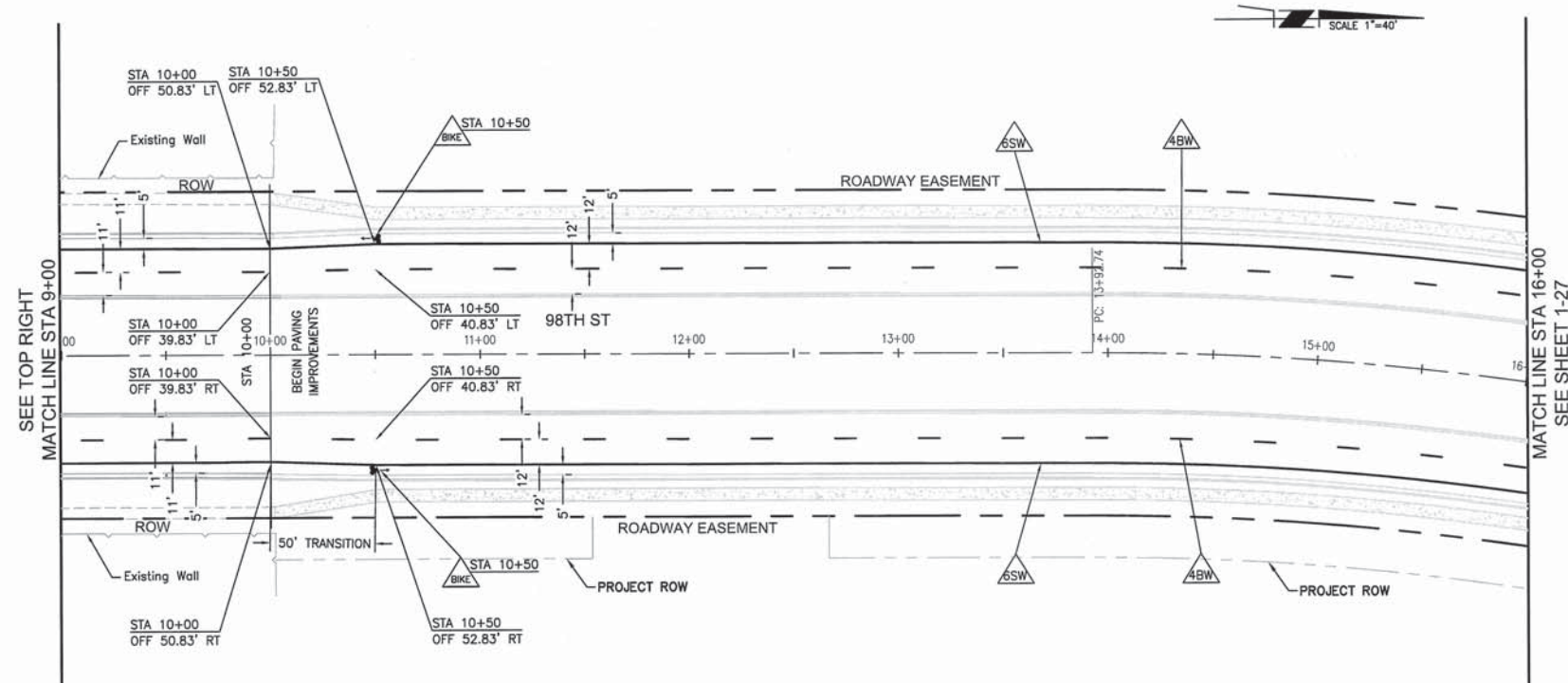


| REMOVAL QUANTITIES   |                               | AS BUILT INFORMATION   |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|-------------------------------|--|----|-----|------|---------|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 4SW  | 4" SOLID WHITE STRIPE         | 22 LF  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4DY  | 4" SOLID DOUBLE YELLOW STRIPE | 112 LF   |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6SW  | 6" SOLID WHITE STRIPE         |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24SW   | 24" STOP BAR (WHITE)          | 44 LF  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STRIPE TO REMAIN   |                               | BENCH MARKS  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4SW  | 4" SOLID WHITE STRIPE         | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.   |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4DY  | 4" SOLID DOUBLE YELLOW STRIPE | STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ONLY   | "ONLY" PAVEMENT MARKING       | CURB IN THE NW CORNER OF UNTER BLVD. SW  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RTA  | RIGHT TURN ARROW              | AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               | OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST   |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               | OF CENTERLINE OF UNTER BLVD SW.  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               | STAMPED 3-N10  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               | ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988)  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               | N=1469674.953 E=1497276.885  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SIGN RELOCATES/REMOVALS  |                               | SURVEY INFORMATION   |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <div> <div>SPEED LIMIT 30</div> <div>REMOVE &amp; SALVAGE/RELOCATE 4 EA</div> </div> <div> <div>SPEED LIMIT 30</div> <div>PROTECT IN PLACE</div> </div>  |                               | <table border="1"> <thead> <tr> <th>NO.</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>  |    | NO. | BY   | DATE    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO.  | BY                            | DATE   |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <div> <div>260-1990</div> <div> <div>TY LIN INTERNATIONAL</div> <div>engineers   planners   scientists</div> <div>500 4th Street NW Suite 403</div> <div>Bank of America Centre</div> <div>Albuquerque, NM 87102</div> </div> </div> <div> <div>CITY OF ALBUQUERQUE</div> <div>MUNICIPAL DEVELOPMENT DEPARTMENT</div> <div>ENGINEERING DIVISION</div> </div> |                               | <div> <div>ENGINEER'S SEAL</div> <div> <div>ERIC J. FROBERG</div> <div>NEW MEXICO</div> <div>18855</div> <div>PROFESSIONAL ENGINEER</div> </div> </div> <div> <div>01/13/2015</div> </div>   |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <div> <div>DESIGN REVIEW COMMITTEE</div> <div>APPROVED</div> <div>MAR 10 2015</div> <div>DESIGN REVIEW COMMITTEE</div> </div> <div> <div>CITY ENGINEER APPROVAL</div> <div>APPROVED</div> <div>MAR 10 2015</div> <div>CITY ENGINEER</div> </div>   |                               | <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REMARKS</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> |    | NO. | DATE | REMARKS | BY |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO.  | DATE                          | REMARKS  | BY |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                               |  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <div> <div>City Project No.</div> <div>6795.91</div> </div> <div> <div>Zone Map No.</div> <div>N9,P9</div> </div>  |                               | <div> <div>Sheet</div> <div>1-25</div> <div>Of</div> <div>32</div> </div>  |    |     |      |         |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |





SEE SHEET 1-24  
FOR REMOVALS



SEE TOP RIGHT  
MATCH LINE STA 9+00

SEE SHEET 1-27  
MATCH LINE STA 16+00

| STRIPING QUANTITIES                               |          |
|---|----------|
| 4BW 4" BROKEN WHITE STRIPE (10' STRIPE, 30' SKIP) | 630 LF   |
| 4SW 4" SOLID WHITE STRIPE                         | 787 LF   |
| 6SW 6" SOLID WHITE STRIPE                         | 2,522 LF |
| 8SW 8" SOLID WHITE STRIPE                         | 430 LF   |
| 24SW 24" STOP BAR (WHITE)                         | 39 LF    |
| LTA LEFT TURN ARROW                               | 4 EA     |
| ONLY "ONLY" PAVEMENT MARKING                      | 2 EA     |
| BKE BICYCLE & ARROW PAVEMENT MARKING              | 5 EA     |

| STRIPES TO REMAIN            |  |
|------------------------------|--|
| 4BW 4" BROKEN WHITE STRIPE   |  |
| 4SW 4" SOLID WHITE STRIPE    |  |
| LCA LEFT/THRU COMBO ARROW    |  |
| ONLY "ONLY" PAVEMENT MARKING |  |
| RTA RIGHT TURN ARROW         |  |

| SIGN RELOCATES/REMOVALS           |      |
|-----------------------------------|------|
| SPEED LIMIT 30 NEW/RELOCATED SIGN | 4 EA |
| SPEED LIMIT 30 PROTECT IN PLACE   |      |

| AS BUILT INFORMATION                          |  |
|---|--|
| CONTRACTOR                                    |  |
| DATE  |  |
| STAMPED BY                                    |  |
| DATE  |  |
| ACCEPTANCE BY                                 |  |
| DATE  |  |
| REVISIONS                                     |  |
| DATE  |  |
| OF CENTERLINE OF BLADE RD SW. AND 92.0' WEST  |  |
| OF CENTERLINE OF UNSER BLVD SW.               |  |
| STAMPED 3.110                                 |  |
| ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988) |  |
| N=1469674.583 E=1497276.885                   |  |

| SURVEY INFORMATION |  |
|--------------------|--|
| FIELD NOTES        |  |
| NO.                |  |
| DATE               |  |
| BY                 |  |

| ENGINEER'S SEAL         |               |
|-------------------------|---------------|
| ERIC J. FROBERG         |               |
| NEW MEXICO              |               |
| 18855                   |               |
| PROFESSIONAL ENGINEER   |               |
| 01/13/2015              |               |
| NO.                     |               |
| DATE                    |               |
| REMARKS                 |               |
| BY                      |               |
| DESIGN                  |               |
| DESIGNED BY: JSCHENKMAN | DATE: 08/2014 |
| DRAWN BY: JSCHENKMAN    | DATE: 08/2014 |
| CHECKED BY: E.FROBERG   | DATE: 08/2014 |

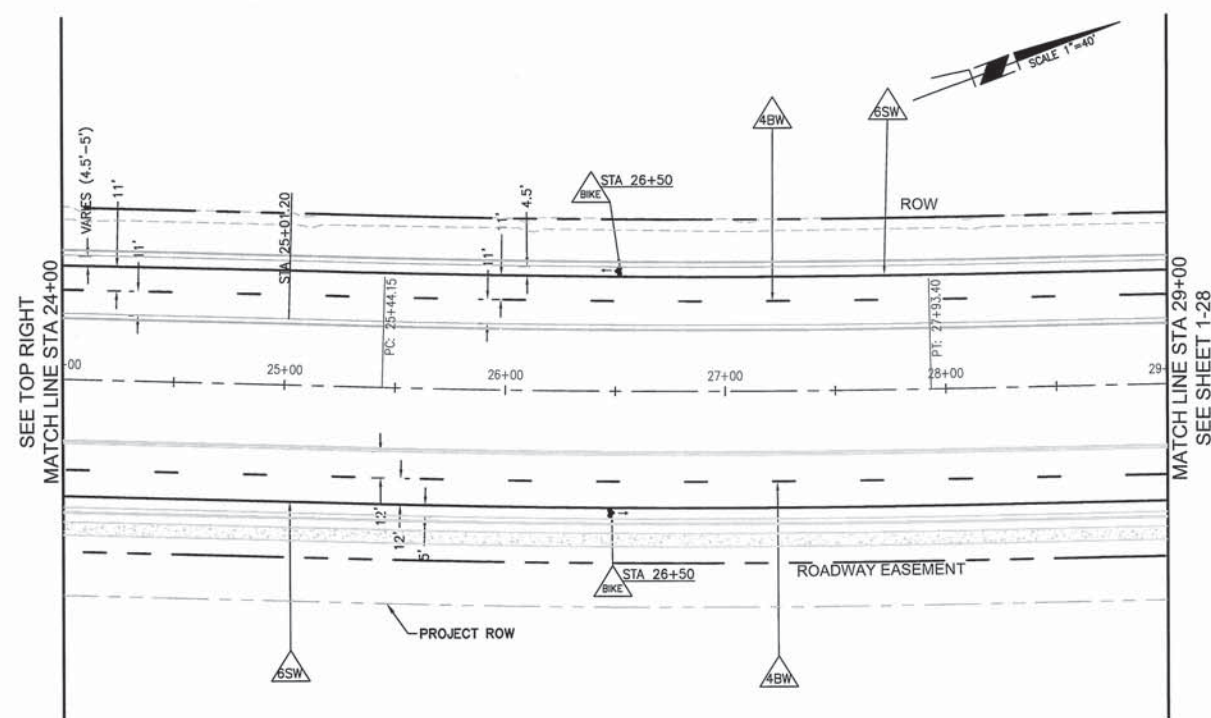
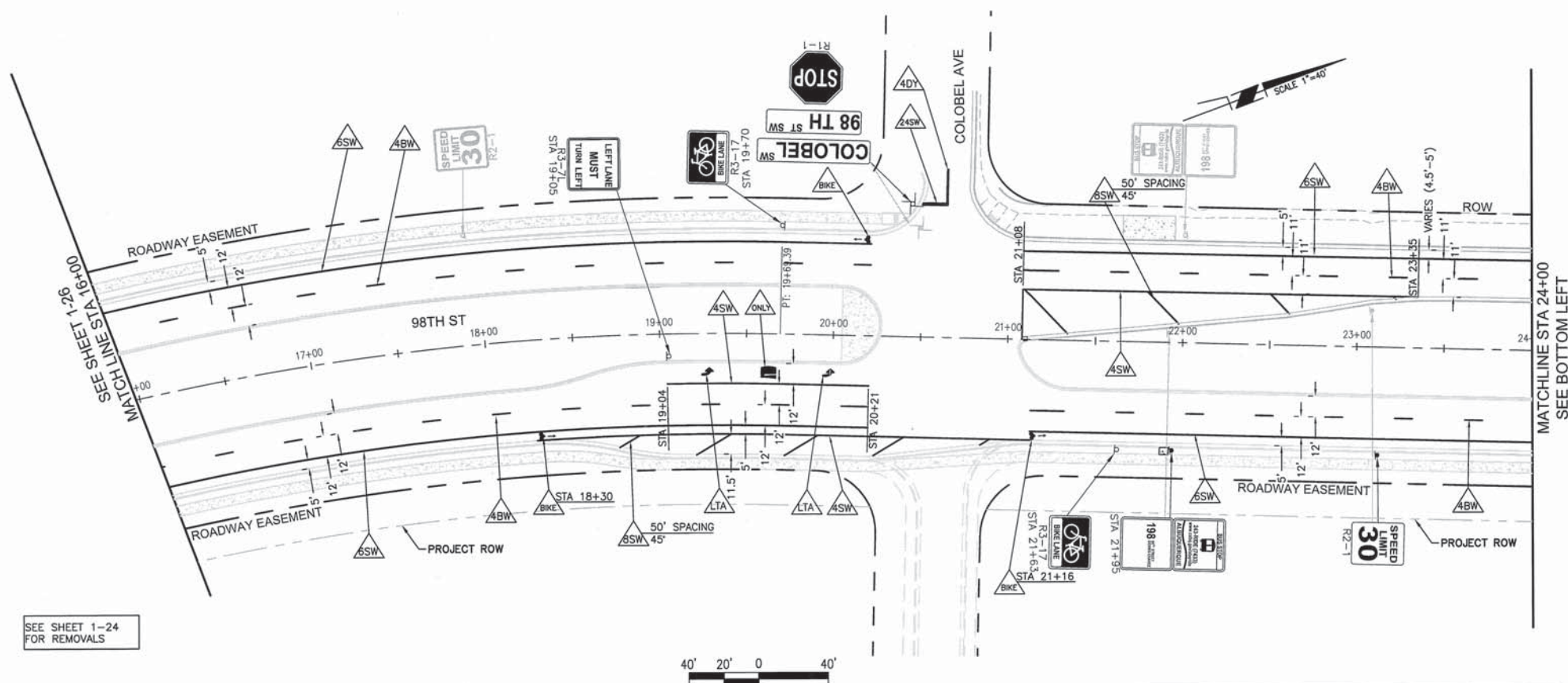
  


















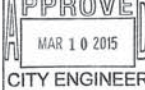
| TY LIN INTERNATIONAL              |  |
|-----------------------------------|--|
| engineers   planners   scientists |  |
| 500 4th Street NW Suite 403       |  |
| Bank of America Centre            |  |
| Albuquerque, NM 87102             |  |

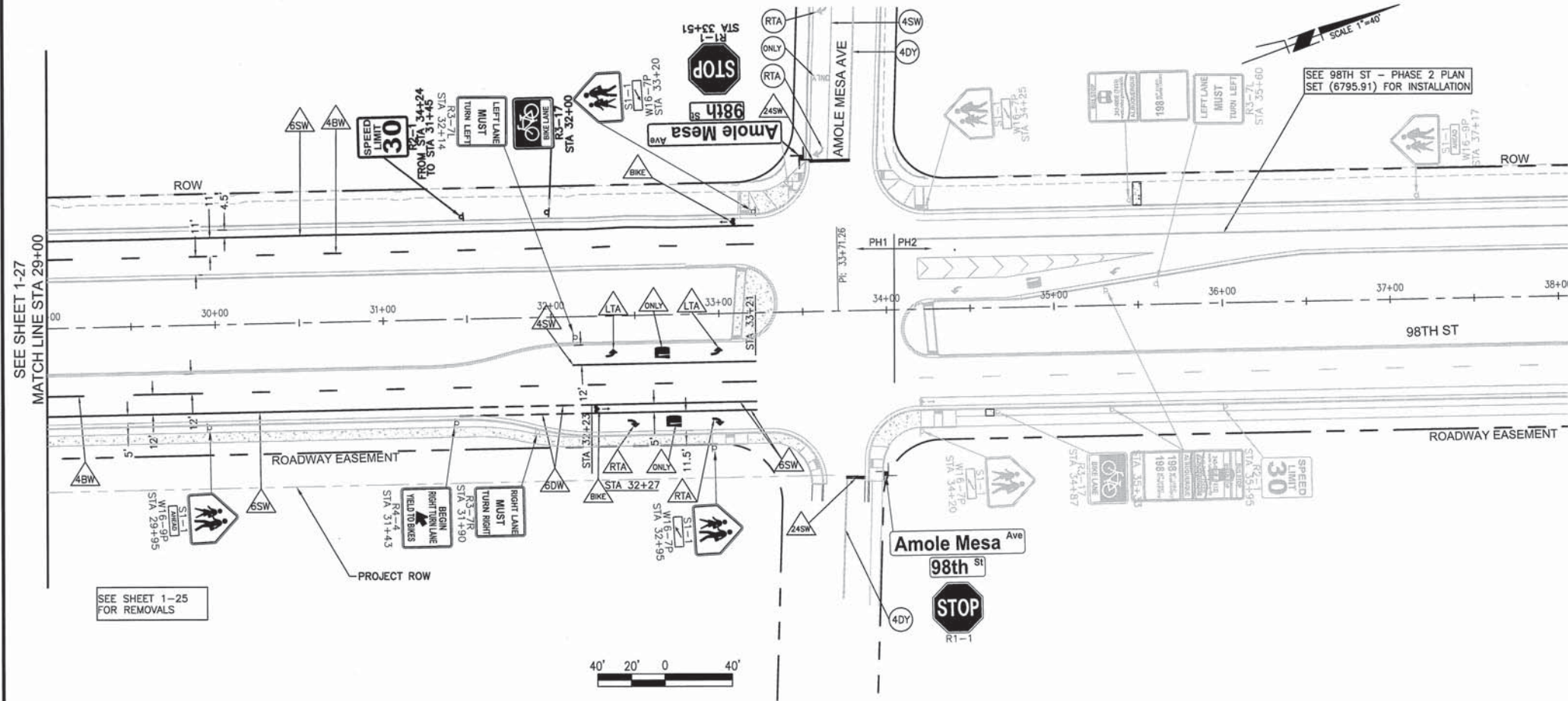
| CITY OF ALBUQUERQUE   |                        |
|---|------------------------|
| MUNICIPAL DEVELOPMENT DEPARTMENT  |                        |
| ENGINEERING DIVISION  |                        |
| TITLE: 98TH STREET WIDENING - GIBSON TO SENATOR DENNIS CHAVEZ - PHASE 1 |                        |
| SIGNING & STRIPING LAYOUT SHEET   |                        |
| STA 1+00 TO STA 16+00   |                        |
| Design Review Committee   | City Engineer Approval |
| APPROVED  | APPROVED               |
| MAR 10 2015   | MAR 10 2015            |
| DESIGN REVIEW COMMITTEE   | CITY ENGINEER          |
| City Project No. 6795.91  | Zone Map No. N9,P9     |
| Sheet 1-26  | Of 32                  |







|  |   |   |       |
|--|---|---|-------|
|  STRIPING QUANTITIES   |   | <b>AS BUILT INFORMATION</b><br>CONTRACTOR DATE<br>WORK DATE<br>SUPERVISOR DATE<br>ACCEPTANCE BY DATE<br>VERIFICATION BY DATE<br>DRAWINGS CORRECTED BY DATE<br>MICRO-FILM INFORMATION<br>RECORDED BY DATE<br>NO.   |       |
|  4" BROKEN WHITE STRIPE (10' STRIPE, 30" SKIP)  | 816 LF  |   |       |
|  4" SOLID DOUBLE YELLOW STRIPE  | 20 LF   |   |       |
|  4" SOLID WHITE STRIPE  | 654 LF  |   |       |
|  6" SOLID WHITE STRIPE  | 2,415 LF  |   |       |
|  8" SOLID WHITE STRIPE  | 164 LF  |   |       |
|  24" STOP BAR (WHITE)   | 15 LF   |   |       |
|  LEFT TURN ARROW  | 2 EA  |   |       |
|  "ONLY" PAVEMENT MARKING  | 1 EA  |   |       |
|  BICYCLE & ARROW PAVEMENT MARKING   | 5 EA  |   |       |
| SIGN LEGEND  |   | <b>BENCH MARKS</b><br>THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.<br>STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BLVD. SW AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW.<br>STAMPED 3_N10<br>ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988) |       |
|  NEW/RELOCATED SIGN   | 6 EA  |   |       |
|  PROTECT IN PLACE   |   |   |       |
|  <b>TY LIN INTERNATIONAL</b><br>engineers   planners   scientists<br>500 4th Street NW Suite 403<br>Bank of America Centre<br>Albuquerque, NM 87102 |   | <b>ENGINEER'S SEAL</b><br><br>01/13/2015   |       |
|  <b>CITY OF ALBUQUERQUE</b><br>MUNICIPAL DEVELOPMENT DEPARTMENT<br>ENGINEERING DIVISION   |   | NO. DATE REMARKS BY<br>DESIGNED BY: J.SCHENKMAN DATE: 08/2014<br>DRAWN BY: J.SCHENKMAN DATE: 08/2014  |       |
| TITLE: 98TH STREET WIDENING - GIBSON TO SENATOR DENNIS CHAVEZ - PHASE 1<br><b>SIGNING &amp; STRIPING LAYOUT SHEET</b><br><b>STA 16+00 TO STA 29+00</b>   |   | No./Rev./Fr.<br>No./Rev./Fr.  |       |
| Design Review Committee<br> <b>APPROVED</b><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE   | City Engineer Approval<br> <b>APPROVED</b><br>MAR 10 2015<br>CITY ENGINEER | Lost Design Update  |       |
| City Project No. 6795.91   | Zone Map No. N9,P9  | Sheet 1-27  | Of 32 |






| STRIPING QUANTITIES                               |        |
|---|--------|
| 4BW 4" BROKEN WHITE STRIPE (10' STRIPE, 30' SKIP) | 210 LF |
| 4SW 4" SOLID WHITE STRIPE                         | 109 LF |
| 6DW 6" DOTTED WHITE STRIPE (2' STRIPE, 6' SKIP)   | 40 LF  |
| 6SW 6" SOLID WHITE STRIPE                         | 859 LF |
| 24SW 24" STOP BAR (WHITE)                         | 35 LF  |
| LTA LEFT TURN ARROW                               | 2 EA   |
| RTA RIGHT TURN ARROW                              | 2 EA   |
| ONLY "ONLY" PAVEMENT MARKING                      | 2 EA   |
| BIKE BICYCLE & ARROW PAVEMENT MARKING             | 2 EA   |

| STRIPES TO REMAIN                 |  |
|-----------------------------------|--|
| 4SW 4" SOLID WHITE STRIPE         |  |
| 4DY 4" SOLID DOUBLE YELLOW STRIPE |  |
| ONLY "ONLY" PAVEMENT MARKING      |  |
| RTA RIGHT TURN ARROW              |  |

| SIGN RELOCATES/REMOVALS   |       |
|---|-------|
|  NEW/RELOCATED SIGN  | 10 EA |
|  INSTALL IN PHASE 2 |       |


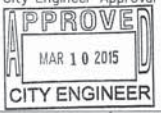
| SURVEY INFORMATION |      |
|--------------------|------|
| FIELD NOTES        | DATE |
| NO.                | BY   |

| ENGINEER'S SEAL   |  |
|---|--|
|  |  |

| REVISIONS               |               |
|-------------------------|---------------|
| NO.                     | DATE          |
| DESIGNED BY: JSCHENKMAN | DATE: 08/2014 |
| DRAWN BY: JSCHENKMAN    | DATE: 08/2014 |
| CHECKED BY: E.FROBERG   | DATE: 08/2014 |

| TY LIN INTERNATIONAL  |  |
|---|--|
| engineers   planners   scientists<br>500 4th Street NW Suite 403<br>Bank of America Centre<br>Albuquerque, NM 87102 |  |

| CITY OF ALBUQUERQUE                                      |  |
|--|--|
| MUNICIPAL DEVELOPMENT DEPARTMENT<br>ENGINEERING DIVISION |  |

| TITLE: 98TH STREET WIDENING - GIBSON TO SENATOR DENNIS CHAVEZ - PHASE 1<br>SIGNING & STRIPING LAYOUT SHEET<br>STA 29+00 TO STA 38+00 |   |
|--|---|
| Design Review Committee  | City Engineer Approval  |
|   |  |
| City Project No. 6795.91   | Zone Map No. N9,P9  |
| Sheet 1-28   | Of 32   |



1/29/2011 3:30:33 PM WHP-Standard.DWG

### GENERAL NOTES:

- WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE NEW MEXICO DEPARTMENT OF TRANSPORTATION'S (NMDOT'S) STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION CURRENT EDITION, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.
- CONCRETE SHALL CONFORM TO SECTION 510 - PORTLAND CEMENT CONCRETE. CONCRETE IS TO BE CLASS "A." CHAMFER ALL EXPOSED EDGES 3/4 INCH UNLESS OTHERWISE NOTED ON THE PLANS.
- REINFORCING STEEL (REBAR) SHALL CONFORM TO SECTION 540 - STEEL REINFORCEMENT AASHTO M 31 (ASTM A 615), GRADE 60. DIMENSIONS REFER TO THE CENTERLINE OF REINFORCING STEEL UNLESS OTHERWISE NOTED ON THE PLANS.
- WHILE THE DETAILS ON THESE DRAWINGS ARE FOR A TYPICAL CULVERT WITH 2 PIPES, THIS DRAWING APPLIES TO CULVERT HEADWALLS WITH ANY NUMBER OF PIPES. THE CENTRAL PORTION OF THE WALL OF LENGTH "B" IS REPEATED AS MANY TIMES AS REQUIRED BY THE NUMBER OF PIPES.
- INSTALL A WATERSTOP GASKET ON THE PIPE IN THE HEADWALL MEETING ASTM C 923 REQUIREMENTS.

\* DENOTES THAT THE SHEAR KEY OF FOOTING IS NOT REQUIRED.

### DESIGN DATA

DESIGN ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2010 EDITION.

UNIT STRESSES: REINFORCED CONCRETE:  $f_c' = 3000$  psi

$f_y = 60$  Ksi

HORIZONTAL EARTH PRESSURE = 45 LBS./CU. YDS. EQUIVALENT FLUID PRESSURE (SLOPING SURCHARGE)

EARTH WEIGHT = 120 LBS./CU. FT.

### CONCRETE HEADWALLS

BAR SPACINGS SHOWN ARE APPROXIMATE ONLY.

QUANTITIES SHOWN ARE FOR TWO HEADWALLS.

| PIPE<br>DIAMETER | D I M E N S I O N S |       |        |       |     |       |     |        |     |                | ADD FOR EACH ADDITIONAL PIPE |          |        |          |       |          |        |        |          |     |        |          |     |        |            |                          |                         |                         |      |
|------------------|---------------------|-------|--------|-------|-----|-------|-----|--------|-----|----------------|------------------------------|----------|--------|----------|-------|----------|--------|--------|----------|-----|--------|----------|-----|--------|------------|--------------------------|-------------------------|-------------------------|------|
|                  | A                   | B     | C      | D     | E   | F     | G   | H      | J   | O <sub>1</sub> | #5A BARS                     | #4D BARS |        | #4E BARS |       | #4U BARS |        |        | #5Y BARS |     |        | #5T BARS |     |        | QUANTITIES |                          |                         |                         |      |
|                  |                     |       |        |       |     |       |     |        |     |                | NO.                          | NO.      | LENGTH | SPACING  | NO.   | LENGTH   | NO.    | LENGTH | SPACING  | NO. | LENGTH | SPACING  | NO. | LENGTH | SPACING    | REINFORCING<br>STEEL-LBS | CONCRETE<br>RCP CU.YDS. | CONCRETE<br>CMP CU.YDS. |      |
| *                | 18"                 | 3'-2" | 3'-0"  | 3'-3" | 10" | 3'-6" | 9"  | 1'-11" | 12" | N/A            | 6'-6"                        | 4        | 2      | 1'-0"    | 1'-4" | 4        | 4'-0"  | N/A    | N/A      | N/A | 6      | 3'-0"    | 12" | 6      | 3'-3"      | 12"                      | 71                      | 1.19                    | 1.26 |
| *                | 24"                 | 3'-8" | 4'-0"  | 4'-0" | 10" | 3'-6" | 9"  | 1'-11" | 12" | N/A            | 8'-0"                        | 4        | 2      | 1'-3"    | 1'-7" | 4        | 5'-0"  | N/A    | N/A      | N/A | 8      | 3'-0"    | 12" | 9      | 3'-3"      | 12"                      | 93                      | 1.64                    | 1.75 |
| *                | 30"                 | 4'-2" | 5'-0"  | 4'-9" | 10" | 3'-6" | 9"  | 1'-11" | 12" | N/A            | 9'-6"                        | 4        | 4      | 1'-9"    | 1'-3" | 4        | 6'-0"  | N/A    | N/A      | N/A | 10     | 3'-0"    | 12" | 10     | 3'-3"      | 12"                      | 110                     | 2.12                    | 2.28 |
|                  | 36"                 | 4'-8" | 6'-0"  | 5'-9" | 10" | 4'-6" | 10" | 2'-10" | 12" | 9"             | 11'-6"                       | 6        | 4      | 2'-3"    | 1'-5" | 4        | 7'-0"  | 12     | 4'-6"    | 12" | 12     | 3'-11"   | 12" | 12     | 4'-3"      | 12"                      | 203                     | 4.08                    | 4.29 |
|                  | 42"                 | 5'-2" | 7'-0"  | 6'-6" | 10" | 4'-6" | 10" | 2'-10" | 12" | 9"             | 13'-0"                       | 6        | 4      | 2'-9"    | 1'-6" | 4        | 8'-0"  | 14     | 4'-6"    | 12" | 14     | 3'-11"   | 12" | 14     | 4'-3"      | 12"                      | 233                     | 4.86                    | 5.14 |
|                  | 48"                 | 5'-8" | 8'-0"  | 7'-3" | 10" | 5'-6" | 11" | 3'-9"  | 12" | 10"            | 14'-6"                       | 8        | 6      | 3'-0"    | 1'-3" | 4        | 9'-0"  | 16     | 4'-6"    | 12" | 16     | 4'-10"   | 12" | 16     | 5'-3"      | 12"                      | 314                     | 6.26                    | 6.62 |
|                  | 54"                 | 6'-2" | 9'-0"  | 8'-0" | 10" | 5'-6" | 11" | 3'-9"  | 12" | 10"            | 16'-0"                       | 8        | 6      | 3'-6"    | 1'-5" | 4        | 10'-0" | 18     | 4'-6"    | 12" | 18     | 4'-10"   | 12" | 18     | 5'-3"      | 12"                      | 350                     | 7.17                    | 7.61 |
|                  | 60"                 | 6'-8" | 10'-0" | 8'-9" | 10" | 6'-6" | 12" | 4'-8"  | 13" | 11"            | 17'-6"                       | 12       | 6      | 3'-9"    | 1'-6" | 4        | 11'-0" | 20     | 4'-6"    | 12" | 20     | 5'-9"    | 12" | 20     | 6'-3"      | 9"                       | 460                     | 9.25                    | 9.78 |



| DATE   | BY  | DESCRIPTION                   |
|--|-----|-------------------------------|
|  |     |                               |
|  |     |                               |
|  |     |                               |
| 8/2011   | YML | REDESIGNED BY LRFD.           |
|  |     | REVISIONS (OR CHANGE NOTICES) |
| NEW MEXICO<br>DEPARTMENT OF TRANSPORTATION<br>STANDARD DRAWING |     |                               |
| PIPE CULVERT<br>HEADWALLS                                      |     |                               |
| DESIGNED BY: YML DRAWN BY: SKL CHECKED BY: YML/TM              |     |                               |
| 511-03-1/2 1 of 2  |     |                               |



**WHPacific**  
6501 Americas Parkway NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102



CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
TRANSPORTATION DIVISION

TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE

NMDOT DETAIL 511-03 (1 OF 2)

|                         |                        |             |             |
|-------------------------|------------------------|-------------|-------------|
| Design Review Committee | City Engineer Approval | Mo./Day/Yr. | Mo./Day/Yr. |
| NMDOT standard          |                        |             |             |
| Last Design Update      |                        |             |             |

|                  |              |       |    |
|------------------|--------------|-------|----|
| City Project No. | Zone Map No. | Sheet | Of |
| 6795.91          | N9 & P9      | 1-29  | 32 |

NMDOT PROJECT NO. A301500

RECORD DRAWING

| SURVEY INFORMATION |      | BENCH MARKS  |             | AS BUILT INFORMATION |      |
|--------------------|------|--|-------------|----------------------|------|
| NO.                | DATE | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.   | CONTRACTOR  | DATE                 | DATE |
|                    |      | STAMPED "3-N10". SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BLVD. SW AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW. | STAMPED BY  | DATE                 | DATE |
|                    |      |  | RECORDED BY | DATE                 | DATE |
|                    |      |  | NO.         | DATE                 | DATE |





QUANTITIES SHOWN ARE FOR 2 HEADWALLS

**WHPacific**  
6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
[www.whpacific.com](http://www.whpacific.com)

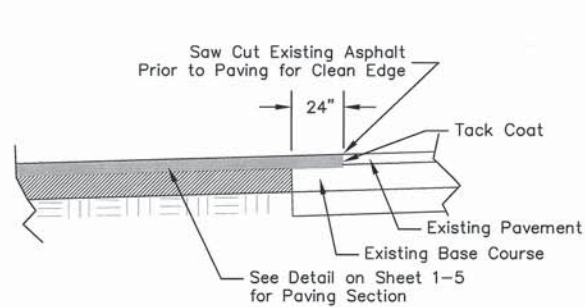


|                          |                         |               |          |
|--------------------------|-------------------------|---------------|----------|
| 6795.91                  | Zone Map No.<br>N9 & P9 | Sheet<br>1-30 | Of<br>32 |
| NMDOT PROJECT NO. A30150 |                         |               |          |

RECORD DRAWING

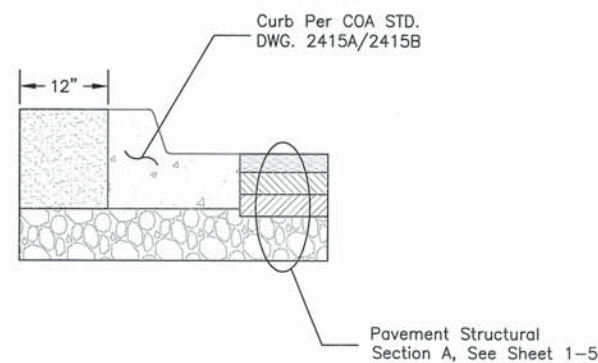


1/29/2015 3:20:30 PM  
WHP - 22220-01.DWG  
a:\data\albuquerque\22220-01\dwg\22220-01.dwg  
a:\data\albuquerque\22220-01\dwg\22220-01.dwg



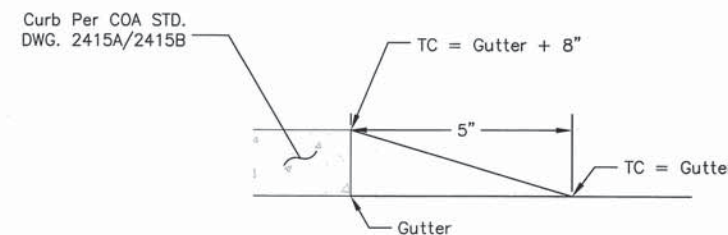
PAVEMENT MATCH DETAIL  
SCALE: N.T.S.

1  
1-31



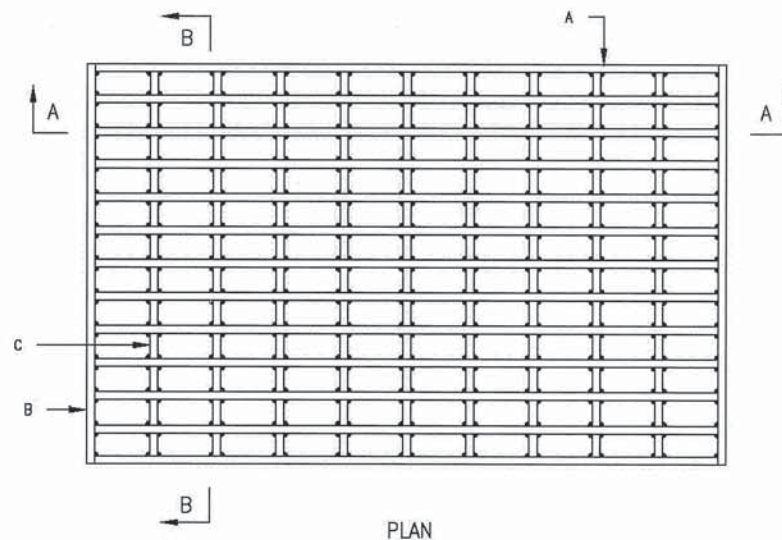
CURB & GUTTER DETAIL  
SCALE: N.T.S.

2  
1-31



CURB TERMINI DETAIL  
SCALE: N.T.S.

3  
1-31



PLAN



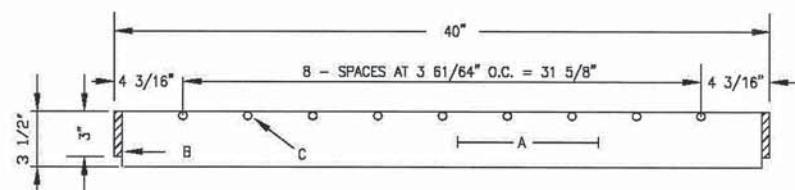
SECTION B-B

GENERAL NOTES:

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

CONSTRUCTION NOTES:

- A. BEARING BARS, (13) 1/2" X 3 1/2" X 39".
- B. END BARS, (2) 1/2" X 3" X 25".
- C. CROSS BARS, (9) 1/2" DIA X 24".



SECTION A-A

2220-MODIFIED  
SCALE: N.T.S.

4  
1-31

| REVISIONS |  | CITY OF ALBUQUERQUE  |
|-----------|--|--|
|           |  | DRAINAGE<br>STORM INLET<br>ALBUQUERQUE GRATE<br>DWG. 2220-MODIFIED |
|           |  | FEB. 2014  |



**WHPacific**  
6501 Americas Parkway NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
TRANSPORTATION DIVISION  
TITLE: DESIGN OF 98TH STREET FROM RIO CLARA AVENUE TO AMOLE MESA AVENUE

STANDARD DETAILS

| Design Review Committee                            |  | City Engineer Approval                   |  | Mo./Day/Yr. |  |
|--|--|--|--|-------------|--|
| APPROVED<br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE |  | APPROVED<br>MAR 10 2015<br>CITY ENGINEER |  |             |  |
| City Project No.                                   |  | Zone Map No.                             |  | Sheet       |  |

6795.91 N9 & P9 1-31 32

NMDOT PROJECT NO. A301500

| SURVEY INFORMATION |  | BENCH MARKS   |  | AS BUILT INFORMATION       |  |
|--------------------|--|---|--|----------------------------|--|
| FIELD NOTES        |  | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP. STAMPED "3-N10". SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BLVD. SW AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW. |  | CONTRACTOR<br>WORK<br>DATE |  |
| NO.                |  | BY  |  | APPROVED BY<br>DATE        |  |
|                    |  |   |  | DRAWN BY<br>DATE           |  |
|                    |  |   |  | CHECKED BY<br>DATE         |  |
|                    |  |   |  | RECORDED BY<br>DATE        |  |
|                    |  |   |  | NO.                        |  |



RECORD DRAWING



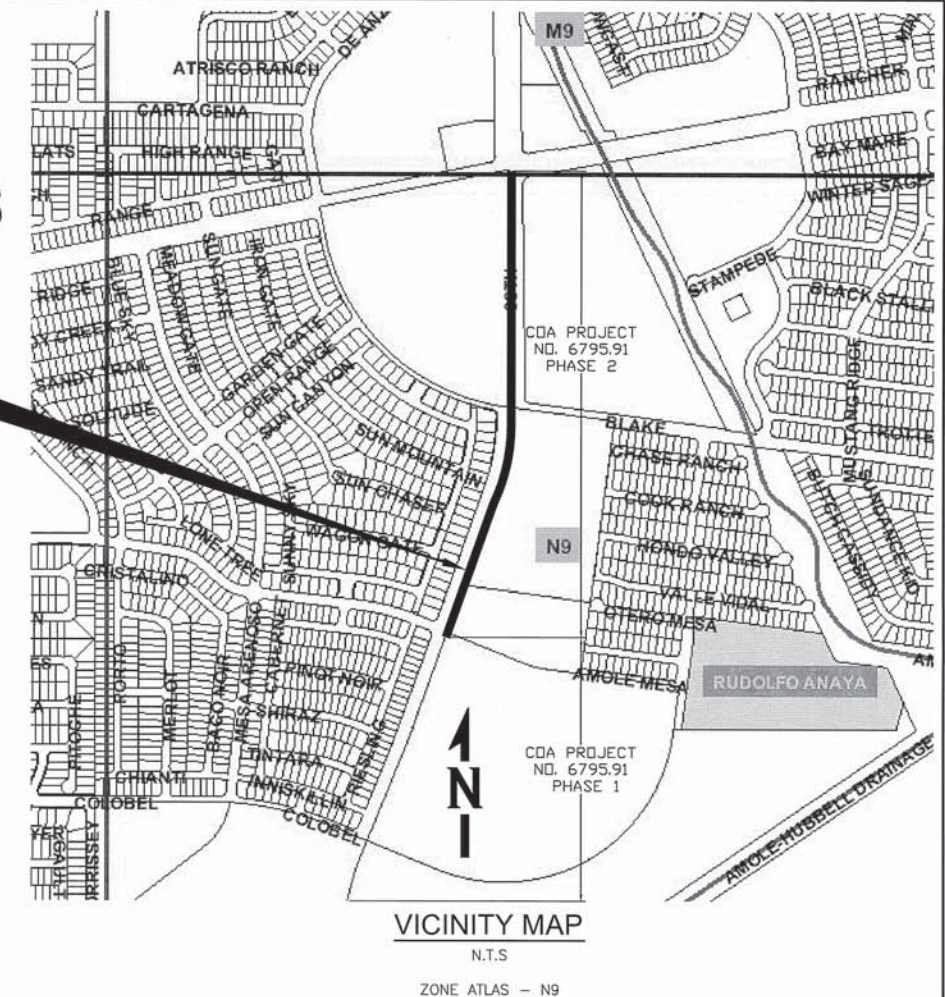




CITY OF ALBUQUERQUE NEW MEXICO  
DEPARTMENT OF MUNICIPAL DEVELOPMENT CONSTRUCTION PLANS  
FOR



PROJECT AREA



# 98th STREET WIDENING - GIBSON BLVD TO SENATOR DENNIS CHAVEZ BLVD

PHASE II - AMOLE MESA AVENUE TO BLAKE ROAD  
(BUILT ALT #1 - GIBSON BOULEVARD TO BLAKE ROAD)

COA PROJECT NO. 6795.91  
NMDOT PROJECT NO. A301500



**WHPacific**  
6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

## SHEET INDEX:

|              |  |
|--------------|--|
| 2-1          | COVER SHEET                                  |
| 2-2          | KEY MAP                                      |
| 2-3 to 2-4   | GENERAL NOTES & LEGEND                       |
| 2-5          | TYPICAL SECTIONS                             |
| 2-6          | SUMMARY OF QUANTITIES                        |
| 2-7 to 2-8   | DEMOLITION PLAN                              |
| 2-9 to 2-12  | ROADWAY PLAN & PROFILES                      |
| 12-3         | INTERSECTION DETAILS                         |
| 2-14 to 2-15 | SIDEWALK RAMP DETAILS                        |
| 2-16         | COA MODIFIED STD DRAWING 2201                |
| 2-17         | SIGNING & STRIPING GENERAL NOTES AND DETAILS |
| 2-18         | SIGNING & STRIPING REMOVALS                  |
| 2-19 to 2-20 | SIGNING & STRIPING LAYOUT                    |
| 2-21         | BID ALTERNATE #1 - SIDEWALK INSTALLATION     |
| 2-22         | STREET LIGHTING - GENERAL NOTES DESIGN       |
| 2-23         | STREET LIGHTING - GIBSON BOULEVARD           |

## COMMUNICATION:

COMCAST  
4611 MONTBEL PLACE NE  
ALBUQUERQUE, NM 87107  
CONTACT: MIKE MORTUS  
(505) 269-4006

CENTURY LINK  
400 TIJERAS AVE. NW SUITE 520  
ALBUQUERQUE, NM 87102  
CONTACT: BEVERLY YOUNG  
(505) 245-5934

TW TELECOM OF NEW MEXICO LLC.  
5411 JEFFERSON ST. NE SUITE 200  
ALBUQUERQUE, NM 87109  
CONTACT: ROYAL HARRISON  
(505) 938-7339

## UTILITY COMPANY CONTACTS:

### FLOOD CONTROL:

AMAFCA  
2600 PROSPECT AVE. NE  
ALBUQUERQUE, NM 87107  
CONTACT: KURT WAGENER  
(505) 884-2215

### GAS:

NEW MEXICO GAS  
MAIL STOP GS66  
4625 EDITH BLVD. NE  
ALBUQUERQUE, NM 87107  
CONTACT: ZACHARY TRUJILLO  
(505) 697-3122

### ELECTRIC:

PNM ELECTRIC  
4201 EDITH BLVD. NE  
ALBUQUERQUE, NM 87107  
CONTACT: ANDREA CONTRERAS  
(505) 241-3666

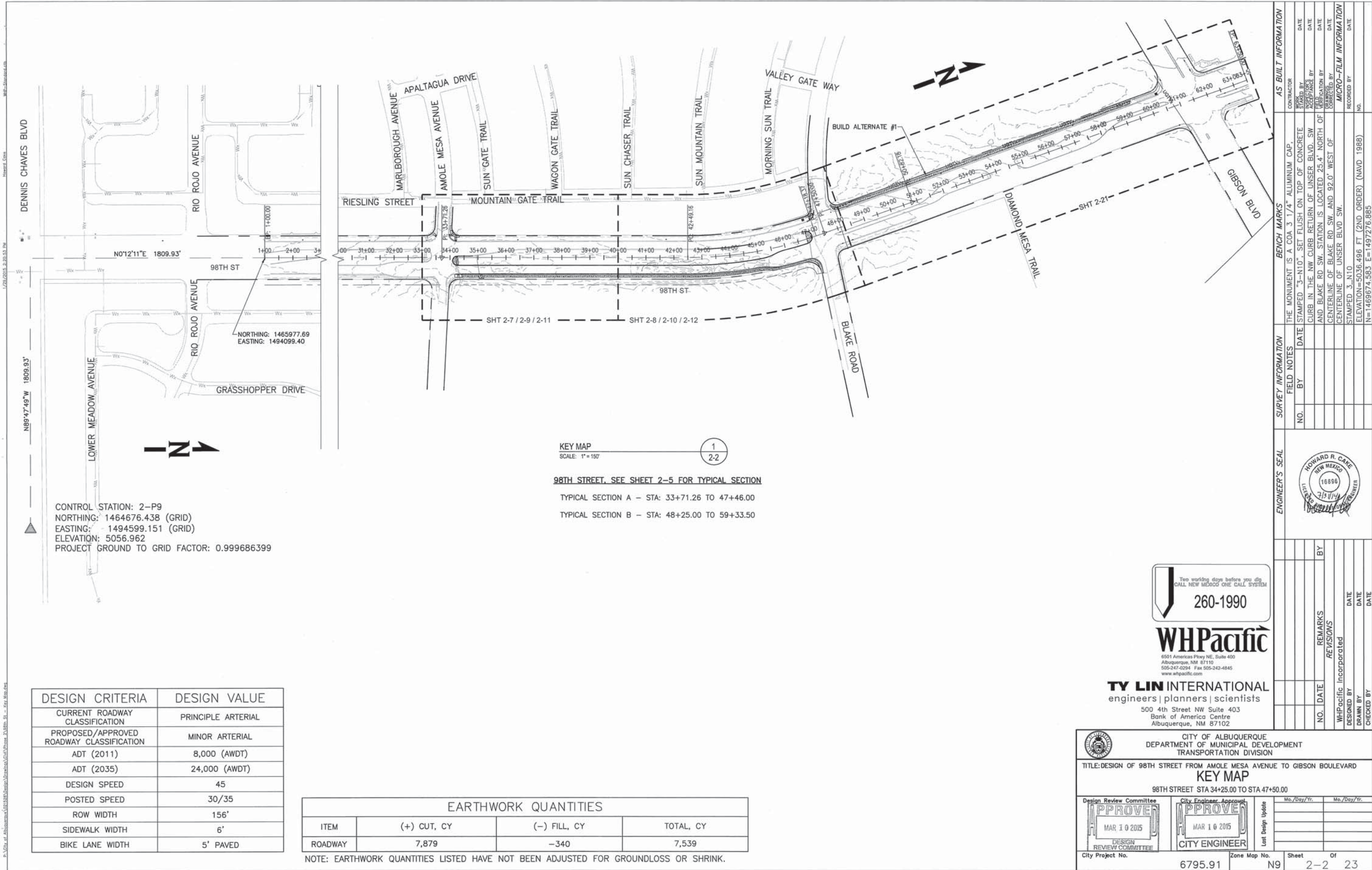
### WATER / SEWER:

ABCWUA  
ONE CIVIC PLAZA  
ALBUQUERQUE, NM 87103  
CONTACT: KRIS JOHNSON  
(505) 289-3035

| REV.                        | SHEETS             | CITY ENGINEER | DATE | USER DEPARTMENT           | DATE      | USER DEPARTMENT | DATE      |
|-----------------------------|--------------------|---------------|------|---------------------------|-----------|-----------------|-----------|
| ENGINEERS STAMP & SIGNATURE | APPROVALS          | ENGINEER      | DATE | * * * * *                 | * * * * * | * * * * *       | * * * * * |
|                             | DRG Chairman       |               |      | APPROVED FOR CONSTRUCTION |           |                 |           |
|                             | Transportation     |               |      | City Engineer             |           |                 |           |
|                             | Water/Wastewater   |               |      | Date                      |           |                 |           |
|                             | Hydrology          |               |      |                           |           |                 |           |
|                             | Parks & Recreation |               |      |                           |           |                 |           |
| CIP                         |                    |               |      |                           |           |                 |           |
| Traffic OPS                 |                    |               |      |                           |           |                 |           |
| City Project No.            | 6795.91            |               |      | Sheet                     | 2-1       | Of              | 23        |

RECORD DRAWING





| DESIGN CRITERIA                          | DESIGN VALUE       |
|--|--------------------|
| CURRENT ROADWAY CLASSIFICATION           | PRINCIPLE ARTERIAL |
| PROPOSED/APPROVED ROADWAY CLASSIFICATION | MINOR ARTERIAL     |
| ADT (2011)                               | 8,000 (AWDT)       |
| ADT (2035)                               | 24,000 (AWDT)      |
| DESIGN SPEED                             | 45                 |
| POSTED SPEED                             | 30/35              |
| ROW WIDTH                                | 156'               |
| SIDEWALK WIDTH                           | 6'                 |
| BIKE LANE WIDTH                          | 5' PAVED           |

| EARTHWORK QUANTITIES |             |              |           |
|----------------------|-------------|--------------|-----------|
| ITEM                 | (+) CUT, CY | (-) FILL, CY | TOTAL, CY |
| ROADWAY              | 7,879       | -340         | 7,539     |

NOTE: EARTHWORK QUANTITIES LISTED HAVE NOT BEEN ADJUSTED FOR GROUNDLOSS OR SHRINK.

|   |  |             |             |
|---|--|-------------|-------------|
| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION |  |             |             |
| TITLE: DESIGN OF 98TH STREET FROM AMOLE MESA AVENUE TO GIBSON BOULEVARD               |  |             |             |
| KEY MAP   |  |             |             |
| 98TH STREET STA 34+25.00 TO STA 47+50.00  |  |             |             |
| Design Review Committee<br>APPROVED<br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE         | City Engineer Approval<br>APPROVED<br>MAR 10 2015<br>CITY ENGINEER | Ms./Day/Yr. | Ms./Day/Yr. |
| City Project No. 6795.91  | Zone Map No. N9  | Sheet 2-2   | Of 23       |
| NMDOT PROJECT NO. A301500   |  |             |             |







**GENERAL NOTES CONTINUED:**

25. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS, DESIGNATED TRAFFIC LANES, OR PEDESTRIAN PATHWAYS. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
26. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
27. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE M.U.T.C.D., U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
28. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
29. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVEPADS, CURB RAMPS, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER COA STANDARDS, AT HIS OWN EXPENSE.
30. CONTRACTOR IS RESPONSIBLE FOR DRAINAGE MANAGEMENT AND EROSION CONTROL AT ALL TIMES DURING THE CONSTRUCTION PERIOD.
31. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
32. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
33. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE PROJECT SITE INTO PUBLIC RIGHT-OF-WAY.
34. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
35. ANY DISTURBED OR CONSTRUCTED SLOPE EXCEEDING 3:1 SHALL BE RE-VEGETATED/SEEDED WITH CLASS "A" NATIVE SEED WITH STRAW MULCH.
36. GUARDS SHALL BE LOCATED ALONG OPEN-SIDED WALKING SURFACES THAT ARE LOCATED MORE THAN 30 INCHES MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 36 INCHES HORIZONTALLY TO THE EDGE OF THE OPEN SIDE. GUARDS SHALL BE IN ACCORDANCE WITH SECTION 1013 OF THE 2009 IBC.
37. CONTRACTOR SHALL TRANSPORT ALL REMOVED AND SALVAGED SIGNS TO PINO YARDS OR LOCATION DIRECTED BY THE CITY'S PROJECT MANAGER AT NO ADDITIONAL COST.
38. WARPING OF SLOPES: THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY, AS APPROVED BY THE PROJECT MANAGER, TO STAY WITHIN THE RIGHT-OF-WAY OR CONSTRUCTION EASEMENT LIMITS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
39. ANTI-GRAFFITI: CONTRACTOR SHALL MAKE EVERY EFFORT TO REMOVE GRAFFITI FROM ANY EXISTING OR RELOCATED SIGN WITHIN THE PROJECT CORRIDOR. GRAFFITI REMOVAL SHALL BE INCIDENTAL TO THE COMPLETION OF THE PROJECT.
40. CONCRETE PROCEDURAL NOTE: BEFORE SCHEDULING DELIVERY OF CONCRETE, CONTRACTOR SHALL MEET WITH CITY INSPECTOR/PM TO ENSURE THE CONCRETE FORMWORK IS CONSTRUCTED TO DIMENSIONS AND GRADES SHOWN ON PLANS AND MEETS PROWAG, 2011 TECHNICAL DESIGN CRITERIA. CALIBRATE 24" ELECTRONIC DIGITAL LEVEL WITH CONTRACTOR'S ELECTRONIC DIGITAL LEVEL PRIOR TO VERIFYING MEASUREMENTS. VERIFY MEASUREMENTS MEET REQUIREMENTS OR REQUIRE CORRECTION OF ALL DISCREPANCIES BEFORE SCHEDULING OF CONCRETE TO ENSURE THE FINISHED CONCRETE WILL MEET PROWAG. WHEN ALL MEASUREMENTS MEET REQUIREMENTS THEN THE INSPECTOR SHALL PERMIT CONCRETE POUR. REPEAT THE PROCEDURE AFTER CONCRETE POUR TO ENSURE THE CURB RAMP MEETS PROWAG COMPLIANCE. FINAL ACCEPTANCE OF A CURB RAMP DOES NOT OCCUR UNTIL THE FINAL INSPECTION OF THE PROJECT.
42. CONTRACTOR SHALL CLEARLY IDENTIFY THE PROJECT RIGHT-OF-WAY LIMITS. CONTRACTOR SHALL NOT WORK OUTSIDE OF THE PROJECT RIGHT-OF-WAY LIMITS. CONTRACTOR SHALL PLACE RIGHT-OF-WAY MARKERS (STAKES, FLAGS, ETC.) AT A MINIMUM OF 100 FOOT SPACING (OR LESS AS NEEDED) TO CLEARLY DELINEATE THE LIMITS. MARKERS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.

**STORM DRAIN NOTES**

1. RCP SHALL BE INSTALLED SO THAT THE JOINT CAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINING GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AFTER APPROVAL.
2. STORM DRAIN LINES ARE REFLECTED FROM ASBUILT PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING STORM DRAIN CONFLICTS DURING CONSTRUCTION.
3. IN THE CASE OF A CONFLICT BETWEEN CONDUIT OR EQUIPMENT PLACEMENT AND STORM DRAIN, CONTRACTOR SHALL INFORM THE CONSTRUCTION MANAGEMENT TEAM AND THE CITY PROJECT MANAGER, KELLIE SHAW, PE (505-768-3659) BEFORE PROCEEDING WITH ANY DEVIATIONS FROM THE PLANS.
4. SHOULD ANY IMPACT OCCUR TO STORM DRAIN PIPE DURING CONSTRUCTION EFFORTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE CITY OF ALBUQUERQUE STORM DRAIN MAINTENANCE TO INSPECT THE IMPACTED PIPE.
5. REPAIRS TO IMPACTED PIPE REQUIRED BY THE CITY OF ALBUQUERQUE STORM DRAIN MANAGEMENT PERSONNEL SHALL BE THE FINANCIAL AND CONSTRUCTION RESPONSIBILITY OF THE CONTRACTOR.

**WATER AND SEWER NOTES**

1. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) WORKING DAYS IN ADVANCE OF PERFORMING ANY WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUT OFF REQUESTS MUST BE MADE ONLINE AT [HTTP://WWW.ABCWUA.ORG/WATER\\_SHUT\\_OFF\\_AND\\_TURN\\_ON\\_PROCEEDURES.ASPX](http://www.abcwua.org/water_shut_off_and_turn_on_procedures.aspx)
2. UTILITY WORK WITHIN THE SERVICE AREA OF ABCWUA SHALL BE CONSTRUCTED IN ACCORDANCE WITH ABCWUA SPECIFICATIONS FOR WATER AND WASTEWATER FACILITIES (MOST RECENT REVISIONS).
3. PROPOSED WATERLINE MATERIALS SHALL BE PVC PIPE MEETING AWWA C-900: DR18 REQUIREMENTS (6" - 12"), DUCTILE IRON PIPE MEETING AWWA C-150 REQUIREMENTS (6" - 64").
4. ALL FITTINGS ON WATERLINE SHALL HAVE RESTRAINED JOINTS AS NOTED ON THE PLANS OR AS SPECIFIED UNDER SECTION 801.12-13.
5. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO SECTION 801.9.10 AND 170 OF THE CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.



**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

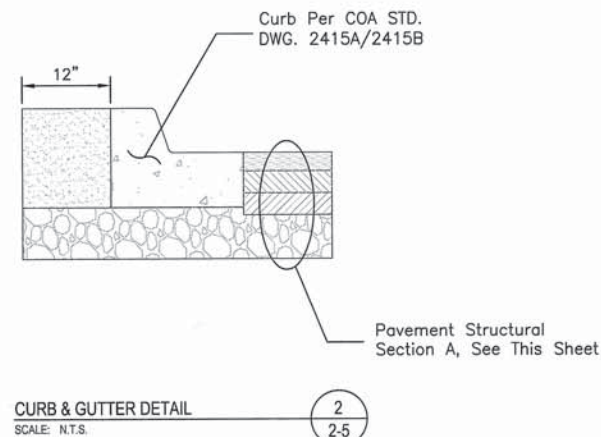
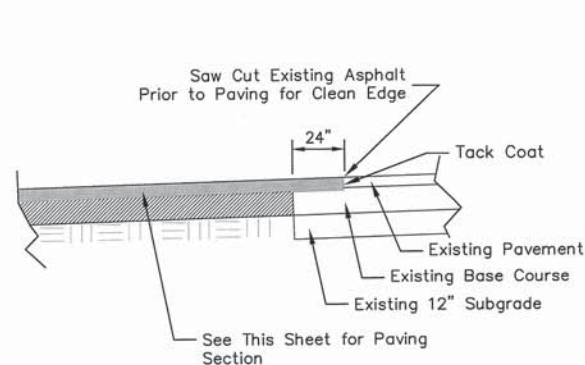
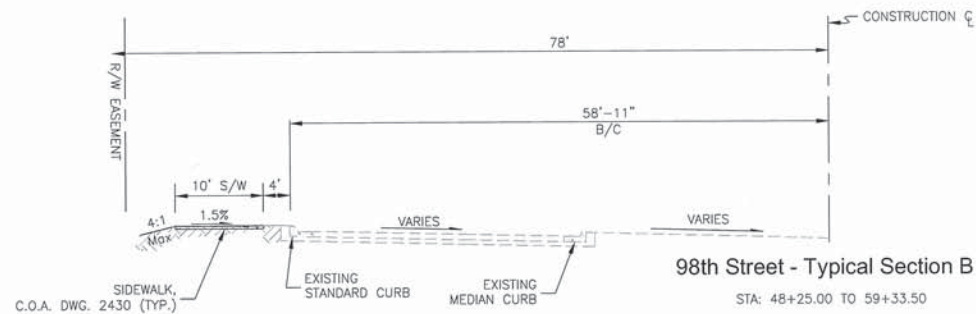
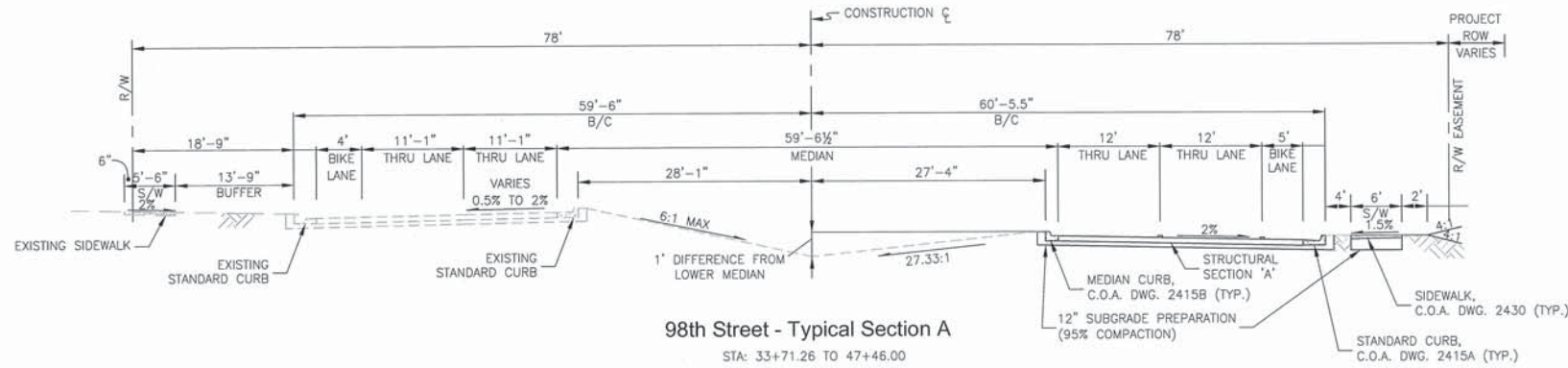
|   |  |                                       |                                       |
|---|--|---------------------------------------|---------------------------------------|
| <p>CITY OF ALBUQUERQUE<br/>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br/>TRANSPORTATION DIVISION</p>          |  |                                       |                                       |
| <p>TITLE: DESIGN OF 98TH STREET FROM AMOLE MESA AVENUE TO GIBSON BOULEVARD</p>                          |  |                                       |                                       |
| <p><b>GENERAL NOTES AND LEGEND</b></p>  |  |                                       |                                       |
| <p>Design Review Committee</p> <p><b>APPROVED</b></p> <p>MAR 10 2015</p> <p>DESIGN REVIEW COMMITTEE</p> | <p>City Engineer Approval</p> <p><b>APPROVED</b></p> <p>MAR 10 2015</p> <p>CITY ENGINEER</p> | <p>Mo./Day/Yr.</p> <p>Mo./Day/Yr.</p> | <p>Mo./Day/Yr.</p> <p>Mo./Day/Yr.</p> |
| <p>City Project No.</p> <p>6795.91</p>  | <p>Zone Map No.</p> <p>N9</p>  | <p>Sheet</p> <p>2-4</p>               | <p>Of</p> <p>23</p>                   |

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| <p><b>ENGINEER'S SEAL</b></p> <p>HOWARD R. CAKE<br/>NEW MEXICO<br/>16895<br/>Professional Engineer</p> |  | <p><b>REVISIONS</b></p> <p>NO. DATE</p>  |  | <p><b>WHPacific Incorporated</b></p> <p>DESIGNED BY</p> <p>DRAWN BY</p> <p>CHECKED BY</p>  |  |
| <p><b>FIELD NOTES</b></p> <p>NO. BY DATE</p>   |  | <p><b>AS BUILT INFORMATION</b></p> <p>CONTRACTOR</p> <p>STAMPED BY</p> <p>DATE</p> <p>ACCEPTANCE BY</p> <p>DATE</p> <p>CONSTRUCTION BY</p> <p>DATE</p> <p>MANAGED BY</p> <p>DATE</p> <p><b>MICRO-FILM INFORMATION</b></p> <p>RECORDED BY</p> <p>DATE</p> |  | <p><b>BENCH MARKS</b></p> <p>THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP, STAMPED "3-N10". SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CORNER RETURN OF UNSER BLVD. SW AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW.</p> <p>STAMPED 3-N10</p> <p>ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988)</p> <p>N=1469674.583 E=1497276.885</p> |  |

RECORD DRAWING

NMDOT PROJECT NO. A301500





4 TO 5" AC  
PREPARED SUBGRADE  
TOTAL THICKNESS = 4 TO 5 INCHES  
**EXISTING PAVEMENT  
STRUCTURAL SECTION**

3" AC (SUPER PAVE TYPE III)  
TACK COAT  
3" AC (SUPER PAVE TYPE III)  
1.9" AB (95% COMPACTION)  
12" SUBGRADE PREPARATION  
(95% COMPACTION)  
DESIGN R-VALUE ≥ 46\*  
TOTAL THICKNESS = 15 INCHES

**PAVEMENT STRUCTURAL SECTION A**

\* IF CONTRACTOR ENCOUNTERS SOILS WITH R-VALUE < 46  
CONTRACTOR SHALL REMOVE SUBGRADE SOILS TO A DEPTH  
OF 2' AND REPLACE WITH SUITABLE MATERIAL

NOTE: 12" SUBGRADE PREPARATION (95% COMPACTION)  
REQUIRED IN BUFFER AREAS.



**WHPacific**  
6501 Americas Parkway NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

|  |   |   |                                       |
|--|---|---|---------------------------------------|
| <p>CITY OF ALBUQUERQUE<br/>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br/>TRANSPORTATION DIVISION</p>         |   | <p>TITLE: DESIGN OF 98TH STREET FROM AMOLE MESA AVENUE TO GIBSON BOULEVARD</p> <p><b>TYPICAL SECTIONS</b></p> |                                       |
| <p>Design Review Committee</p> <p><b>APPROVE</b></p> <p>MAR 10 2015</p> <p>DESIGN REVIEW COMMITTEE</p> | <p>City Engineer Approval</p> <p><b>APPROVE</b></p> <p>MAR 10 2015</p> <p>CITY ENGINEER</p> | <p>Mo./Day/Yr.</p> <p>Mo./Day/Yr.</p>   | <p>Mo./Day/Yr.</p> <p>Mo./Day/Yr.</p> |
| <p>City Project No.</p> <p>6795.91</p>   | <p>Zone Map No.</p> <p>N9</p>   | <p>Sheet</p> <p>2-5</p>   | <p>Of</p> <p>23</p>                   |

| AS BUILT INFORMATION |  | BENCH MARKS |  | SURVEY INFORMATION |     |
|----------------------|--|-------------|--|--------------------|-----|
| CONTRACTOR           | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP. | DATE        | STAMPED "3-N10" SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CORNER RETURN OF UNSER BLVD. SW AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW. | FIELD NOTES        | NO. |
| STAMPED BY           |  | DATE        |  | BY                 |     |
| REVISIONS            |  | DATE        |  |                    |     |
| CHECKED BY           |  | DATE        |  |                    |     |
| DESIGNED BY          |  | DATE        |  |                    |     |
| DRAWN BY             |  | DATE        |  |                    |     |
| CHECKED BY           |  | DATE        |  |                    |     |





SUMMARY OF QUANTITIES

| Bid Item # | Item ID # | Description  | Quantity | Unit |
|------------|-----------|--|----------|------|
| 1          | 4.01      | Construction Staking, compl.   | 1        | LS   |
| 2          | 19.01     | Construction Traffic Control & Barricading, compl.   | 1        | LS   |
| 3          | 116.016   | Placement Arterial Asphalt Concrete, 3-Inch Lift, cip.   | 10,478   | SY   |
| 5          | 201.01    | Site Clearing and Grubbing, compl.   | 3        | AC   |
| 6          | 201.061   | Erosion Control Silt Fence, 3' high, w/5' steel posts @ 10' on center, cip.                                  | 1,225    | LF   |
| 7          | 204.01    | Fill, construction incl. excavation, placement & compaction of unclassified material, over 2 ft. deep, cip.  | 7,500    | CY   |
| 8          | 301.02    | Subgrade Preparation, 12" at 95% compaction, cip.  | 5,239    | SY   |
| 9          | 302.01x   | Aggregate Base Course, Crushed, 9" at 95% compaction, cip. SD 2408   | 5,239    | SY   |
| 10         | 336.01    | Prime Coat, emulsified asphalt, cip.   | 5,239    | SY   |
| 11         | 336.024   | Asphalt Concrete, 3" thick, Superpave  | 10,478   | SY   |
| 13         | 336.12    | Tact coat, cationic emulsified asphalt, cip.   | 5,239    | SY   |
| 14         | 340.01    | Sidewalk, 4" thick, Portland Cement Concrete, incl. subgrade compaction, cip. SD 2430                        | 967      | SY   |
| 16         | 340.025   | Curb Ramp, 4" PCC, Std. Curb., cip. SD 2418  | 9        | EA   |
| 17         | 340.05    | Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415                  | 1,333    | LF   |
| 18         | 340.06    | Curb & Gutter, Median, Portland Cement Concrete, cip. SD 2408  | 1,692    | LF   |
| 19         | 340.3     | 4" Median Pavement, Portland Cement Concrete, incl. subgrade compaction. cip.                                | 110      | SY   |
| 20         | 343.02    | Existing Pavement, Asphalt Concrete, up to 4" thick, sawcut, remove & Dispose, compl.                        | 1,213    | SY   |
| 22         | 343.08    | Existing Curb, Asphalt Concrete, remove & dispose, compl.  | 317      | LF   |
| 23         | 343.085   | Existing Sidewalk, 4" PC Concrete, remove & dispose  | 63       | SY   |
| 26         | 441.001   | Reflectorized Plastic Pavement Markings, 4" Width Yellow, CIP  | 1,649    | LF   |
| 27         | 441.002   | Reflectorized Plastic Pavement Markings 6" Width White, CIP  | 2,645    | LF   |
| 28         | 441.003   | Reflectorized Plastic Pavement Markings 8" Width White, CIP  | 117      | LF   |
| 29         | 441.005   | Reflectorized Plastic Pavement Markings, 24" Width White, CIP  | 829      | LF   |
| 30         | 441.010   | Reflectorized Preformed Plastic Arrow, Right, CIP  | 2        | EA   |
| 31         | 441.011   | Reflectorized Preformed Plastic Arrow, Left, CIP   | 4        | EA   |
| 32         | 441.020   | Reflectorized Preformed Plastic Word, "Only" CIP   | 3        | EA   |
| 33         | 441.031   | Reflectorized Preformed Plastic Symbol, Bicycle CIP  | 6        | EA   |
| 34         | 443.101   | Removal of Stripe, any width, paint or plastic, comp.  | 5,464    | LF   |
| 35         | 443.102   | Removal of Pavement Arrow, Symbol, or Word, painted or plastic, CIP.   | 2        | EA   |
| 36         | 450.001   | Aluminum Panel Sign, CIP   | 130      | SF   |
| 37         | 450.01    | Square Tube Steel Posts & Base Posts for Aluminum Panel Sign, CIP  | 117      | LF   |
| 38         | 450.101   | Sign, Post, & Base Post, Remove & Salvage, compl.  | 8        | EA   |
| 39         | 450.102   | Sign, Post, & Base Post, Remove & Relocate, compl.   | 9        | EA   |
| 43         | 701.1     | Trenching, Backfilling, & Compaction for 18" to 36" sewer pipe, up to 8' in depth, pipe not included, compl. | 119      | LF   |
| 45         | 910.006   | 18" RCP, Class IV, Furnish and Place in Open Trench, cip   | 119      | LF   |
| 51         | 915.010   | Catch Basin, Type "A", Single grate, cip. SD 2201  | 1        | EA   |
| 52         | 910.xx    | Remove Plug * Connect to Existing Line   | 2        | EA   |
| 56         | 920.4     | Existing Manhole Frame & Cover, adjust to grade with metal rings, 2" or less, cip. SD 2111                   | 1        | EA   |
| 58         | 1011.01   | Seeding, Class "A", Native, cip.   | 2        | AC   |
| 59         | 30.02     | NPDES Permitting, compl.   | 1        | LS   |
| 60         | XXXX.XX   | Thickened Edge Concrete Bus Shelter Pad  | 2        | EA   |
| 61         | XXXX.XX   | Remove & Relocate ARRA Bus Shelter Including Concrete Pad  | 1        | EA   |

| BID ALTERNATE #1 |           |   |          |      |
|------------------|-----------|---|----------|------|
| Bid Item #       | Item ID # | Description   | Quantity | Unit |
| 63               | 4.01      | Construction Staking, compl.  | 1        | LS   |
| 64               | 19.01     | Construction Traffic Control & Barricading, compl.                                    | 1        | LS   |
| 65               | 340.01    | Sidewalk, 4" thick, Portland Cement Concrete, incl. subgrade compaction, cip. SD 2430 | 1,255    | SY   |
| 66               | 421.006   | Service Riser (Lighting), CIP   | 1        | EA   |
| 67               | 421.024   | Lighting Control Cabinet, Six Circuit Unmetered, CIP                                  | 1        | EA   |
| 68               | 421.016   | Service Connection (Lighting), CIP  | 1        | EA   |
| 69               | 422.03    | Street Light Standard, single arm, 40', cip   | 4        | EA   |
| 70               | 423.02    | Luminaire Foundation, Ht-40' or Less, cip   | 4        | EA   |
| 71               | 424.006   | Electrical Conduit, 2", incl. trenching, backfill, patching, boring, and jacking, cip | 630      | LF   |
| 72               | 425.002   | Electrical Pullbox (Standard), cip  | 4        | EA   |
| 73               | 426.001   | Single Conductor #2, cip  | 1,150    | LF   |
| 74               | 426.003   | Single Conductor #6, cip  | 630      | LF   |
| 75               | 426.005   | Single Conductor #10, cip   | 110      | LF   |
| 76               | 432.001   | Roadway Luminaire, Type 250S, CIP   | 4        | EA   |
| 77               | 6.05      | Construction Mobilization   | 1        | LS   |



**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102



CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
TRANSPORTATION DIVISION

TITLE: DESIGN OF 98TH STREET FROM AMOLE MESA AVENUE TO GIBSON BOULEVARD

SUMMARY OF QUANTITIES

|                         |                        |                    |             |             |
|-------------------------|------------------------|--------------------|-------------|-------------|
| Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr. |
|                         |                        |                    |             |             |
| City Project No.        | Zone Map No.           | Sheet              | Of          |             |
|                         | 6795.91                | N9                 | 2-6         | 23          |

NMDOT PROJECT NO. A301500

RECORD DRAWING

| BENCH MARKS  |  | AS BUILT INFORMATION                          |      |
|--|--|---|------|
| THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP, STAMPED "3-N10". SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BLVD. SW AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW. |  | CONTRACTOR                                    | DATE |
|  |  | STAMPED BY                                    | DATE |
|  |  | ACCEPTED BY                                   | DATE |
|  |  | REVISIONS                                     | DATE |
|  |  | NO.   | DATE |
|  |  | WHAPacific Incorporated                       | DATE |
|  |  | DESIGNED BY                                   | DATE |
|  |  | DRAWN BY                                      | DATE |
|  |  | CHECKED BY                                    | DATE |
|  |  | MICRO-FILM INFORMATION                        |      |
|  |  | RECORDED BY                                   | DATE |
|  |  | NO.   |      |
|  |  | ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988) |      |
|  |  | N=1469674.583 E=1497276.885                   |      |

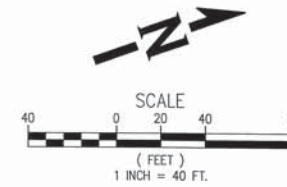
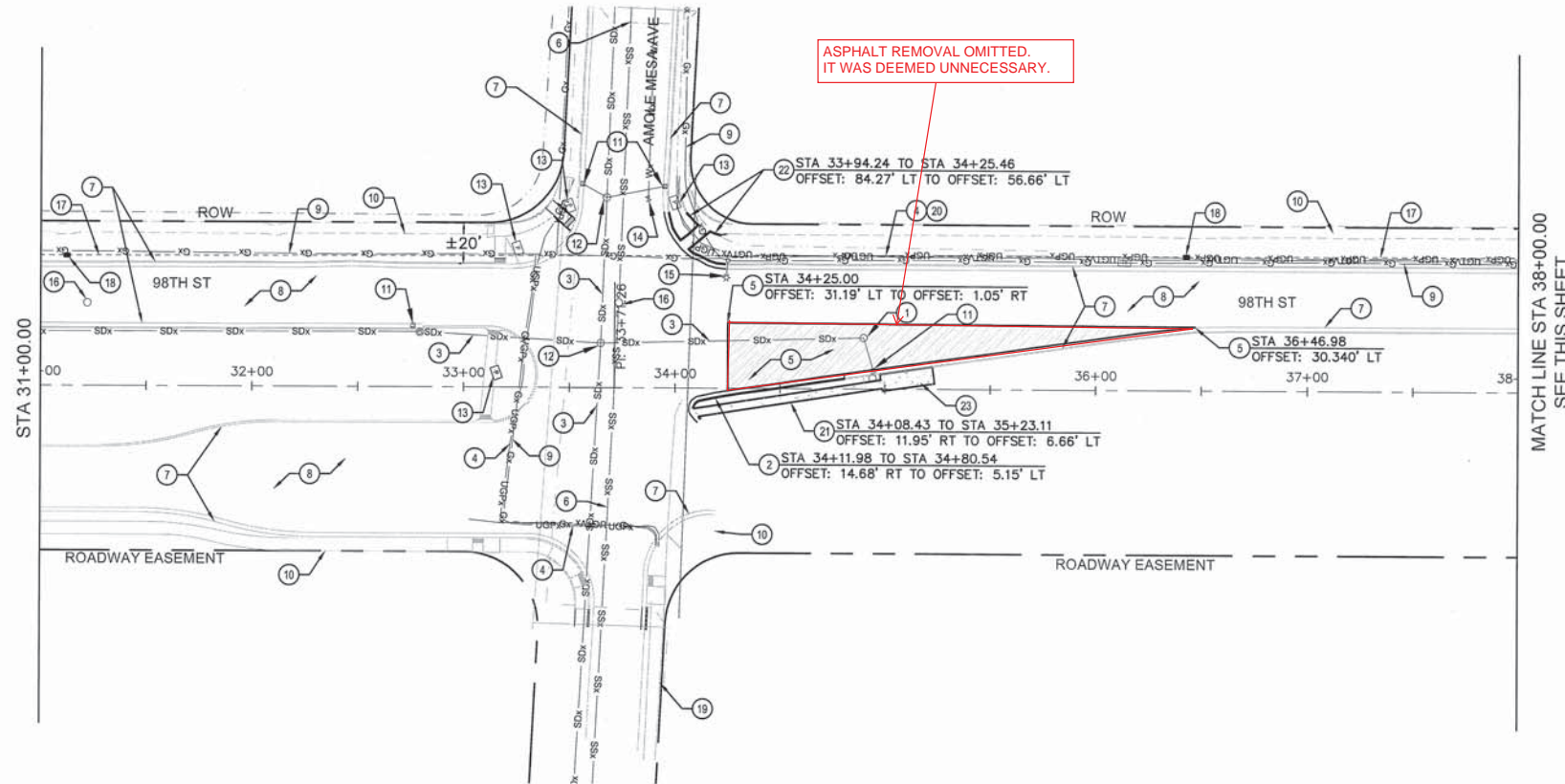


1/20/2015 2:22:13 PM

WHP-201504-018

1/20/2015 2:22:13 PM

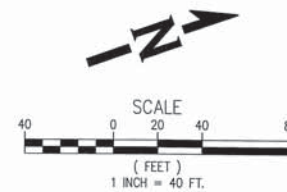
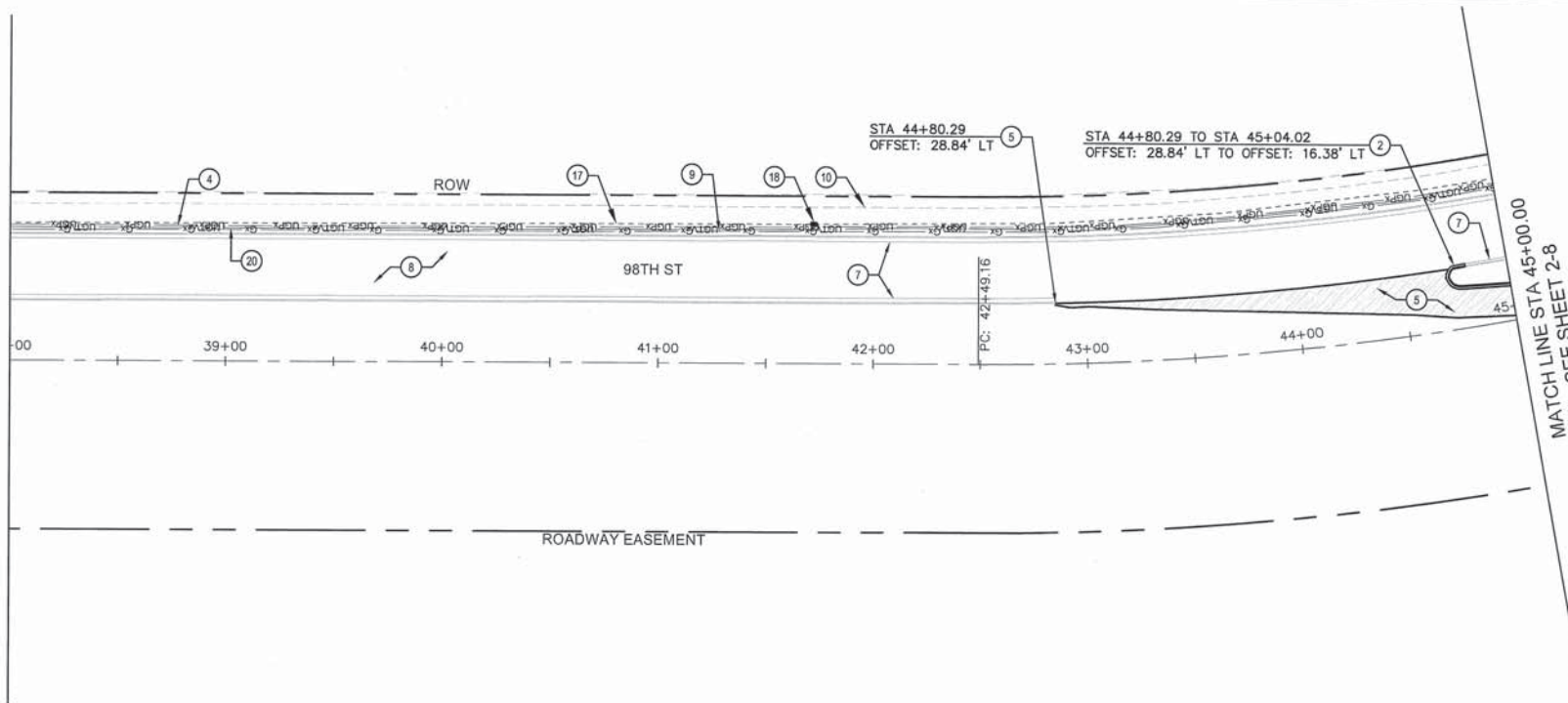
1/20/2015 2:22:13 PM



### CONSTRUCTION NOTES

1. ADJUST STORM DRAIN MANHOLE TO GRADE PER COA DWG 2100
2. REMOVE & DISPOSE OF MEDIAN CURB & GUTTER
3. EXISTING STORM DRAIN LINE TO REMAIN & TO BE PROTECTED
4. EXISTING POWER LINE TO REMAIN & TO BE PROTECTED
5. 2" SAWCUT TO A NEAT EDGE PER DETAIL 1, SHEET 2-5, REMOVE & DISPOSE OF EXISTING PAVEMENT
6. EXISTING SANITARY SEWER LINE TO REMAIN & TO BE PROTECTED
7. EXISTING CURB & GUTTER TO REMAIN & TO BE PROTECTED
8. EXISTING PAVEMENT TO REMAIN & TO BE PROTECTED
9. EXISTING GAS LINE TO REMAIN & TO BE PROTECTED
10. EXISTING SIDEWALK TO REMAIN & TO BE PROTECTED
11. EXISTING STORM DRAIN INLET TO REMAIN & TO BE PROTECTED
12. EXISTING STORM DRAIN MANHOLE TO REMAIN & TO BE PROTECTED
13. EXISTING POWER VAULT TO REMAIN & TO BE PROTECTED
14. EXISTING WATER VALVE TO REMAIN & TO BE PROTECTED
15. EXISTING LIGHT POLE TO REMAIN & TO BE PROTECTED
16. EXISTING SANITARY SEWER MANHOLE TO REMAIN & TO BE PROTECTED
17. PROPOSED/EXISTING 3" CONDUIT PER COA PROJECT NO. 7098.07 TO REMAIN & TO BE PROTECTED
18. PROPOSED/EXISTING TYPE C PULL BOX PER COA PROJECT NO. 7098.07 TO REMAIN & TO BE PROTECTED
19. EXISTING ASPHALT TRAIL TO REMAIN & TO BE PROTECTED
20. EXISTING UNDERGROUND CABLE TO REMAIN & TO BE PROTECTED
21. REMOVE & DISPOSE OF CONCRETE SIDEWALK
22. REMOVE & DISPOSE OF CURB & GUTTER AND SIDEWALK RAMP
23. EXISTING BUS SHELTER TO BE REMOVED AND RELOCATED PER SHEET 2-11.

MATCH LINE STA 38+00.00  
SEE THIS SHEET



Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
260-1990

**WHPacific**  
6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

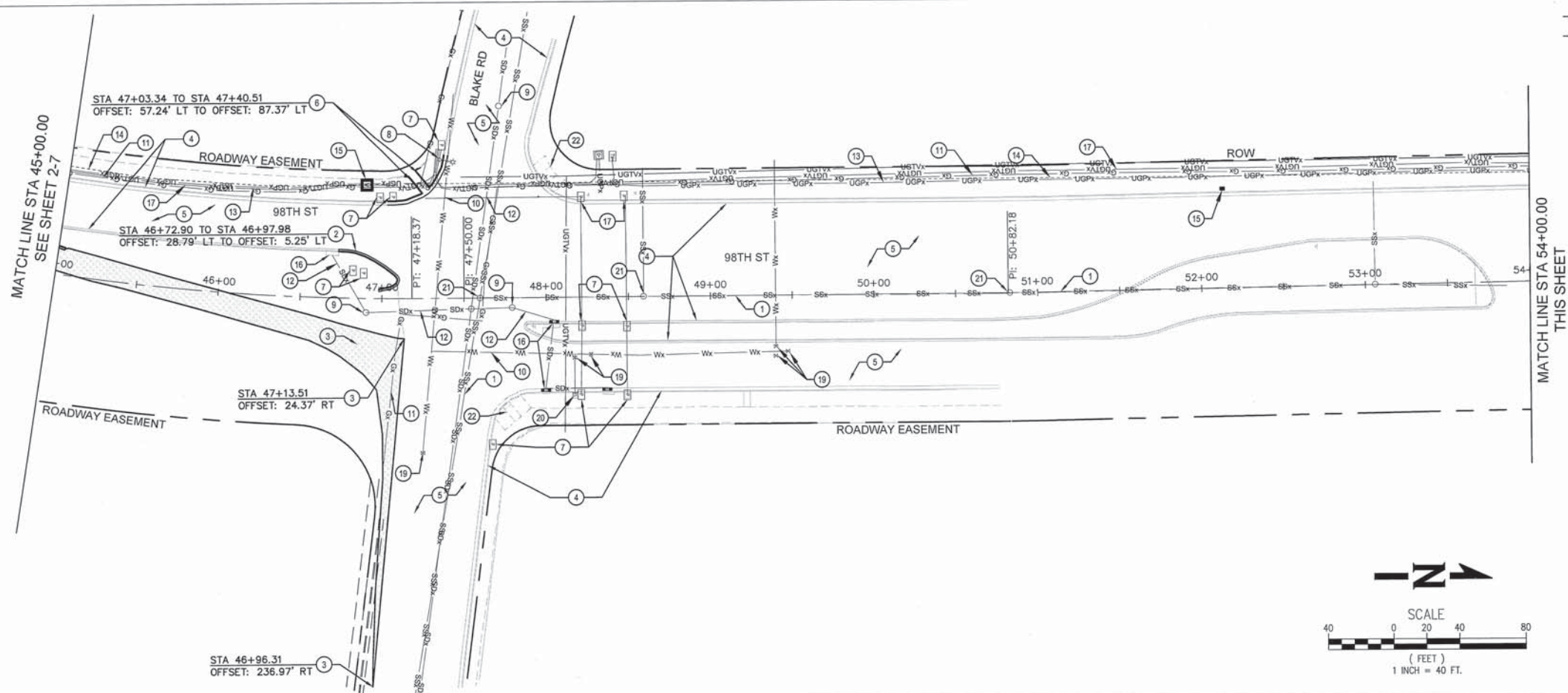
**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

|   |   |   |                               |
|---|---|---|-------------------------------|
|   |   | CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION |                               |
| TITLE: DESIGN OF 98TH STREET FROM AMOLE MESA AVENUE TO GIBSON BOULEVARD<br><b>DEMOLITION PLAN</b><br>98TH STREET STA 31+00.00 TO STA 45+00.00 |   |   |                               |
| Design Review Committee<br><b>APPROVED</b><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE  | City Engineer Approval<br><b>APPROVED</b><br>MAR 10 2015<br>CITY ENGINEER | Mo./Day/Yr.<br>____/____/____   | Mo./Day/Yr.<br>____/____/____ |
| City Project No.<br>6795.91   | Zone Map No.<br>N9  | Sheet<br>2-7  | Of<br>23                      |
| NMDOT PROJECT NO. A301500   |   |   |                               |

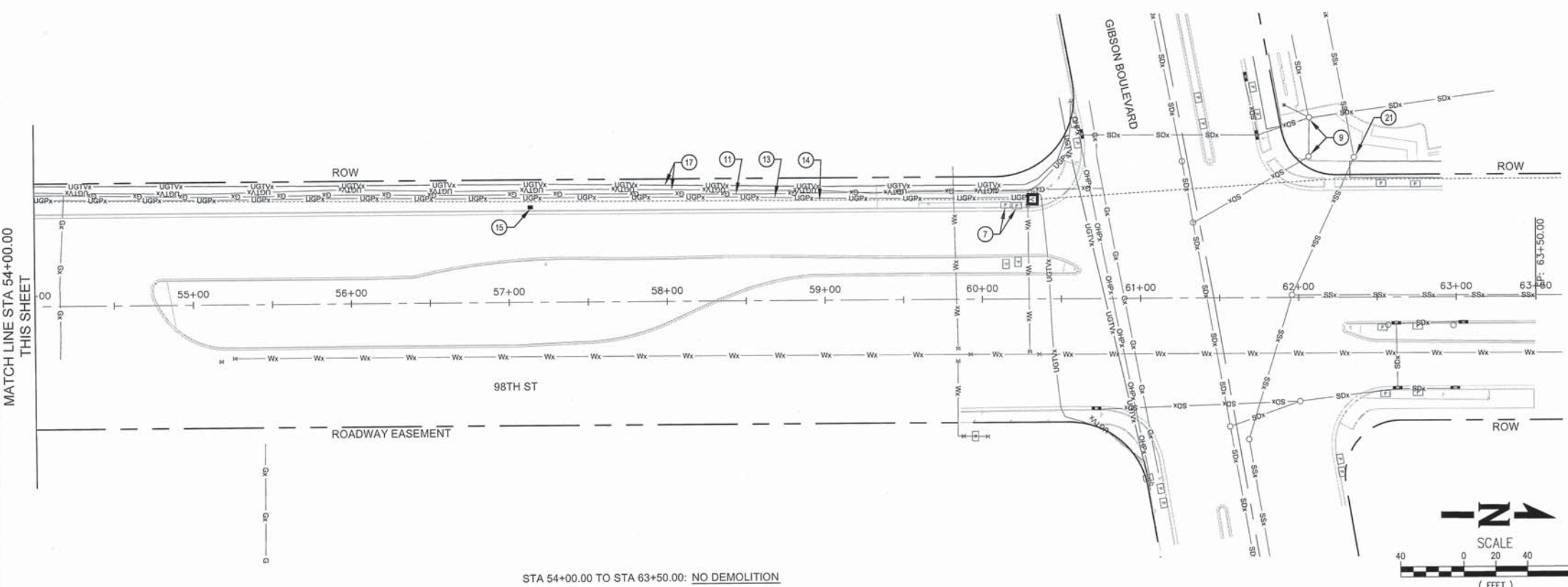
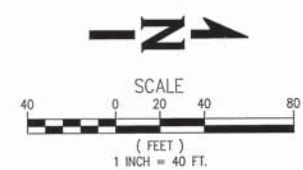
RECORD DRAWING



1/29/2015 2:22:32 PM WHP - Standard CDS  
P:\City of Albuquerque\Utilities\Design\Demolition\Drawn - 2015 - 8000.dwg  
WHPacific



- CONSTRUCTION NOTES**
1. EXISTING SANITARY SEWER LINE TO REMAIN & TO BE PROTECTED
  2. REMOVE & DISPOSE OF CURB & GUTTER
  3. SAWCUT, REMOVE & DISPOSE OF EXISTING PAVEMENT
  4. EXISTING CURB & GUTTER TO REMAIN & TO BE PROTECTED
  5. EXISTING PAVEMENT TO REMAIN & TO BE PROTECTED
  6. REMOVE & DISPOSE OF HEADER CURB AND SIDEWALK RAMP
  7. EXISTING POWER VAULT TO REMAIN & TO BE PROTECTED
  8. EXISTING LIGHT POLE TO REMAIN & TO BE PROTECTED
  9. EXISTING STORM DRAIN MANHOLE TO REMAIN & TO BE PROTECTED
  10. EXISTING WATER LINE TO REMAIN & TO BE PROTECTED
  11. EXISTING GAS LINE TO REMAIN & TO BE PROTECTED
  12. EXISTING STORM DRAIN LINE TO REMAIN & TO BE PROTECTED
  13. EXISTING POWER LINE TO REMAIN & TO BE PROTECTED
  14. PROPOSED/EXISTING 3" CONDUIT PER COA PROJECT NO 7098.07 TO REMAIN & TO BE PROTECTED
  15. PROPOSED/EXISTING VAULT TO REMAIN & TO BE PROTECTED, PER COA PROJECT NO 7098.07
  16. EXISTING STORM INLET TO REMAIN & TO BE PROTECTED
  17. EXISTING UNDERGROUND CABLE TO REMAIN & TO BE PROTECTED
  18. EXISTING POWER VAULT TO BE ADJUSTED TO NEW SIDEWALK GRADE
  19. EXISTING WATER VALVE TO REMAIN & TO BE PROTECTED
  20. EXISTING FIRE HYDRANT TO REMAIN & TO BE PROTECTED
  21. EXISTING SANITARY SEWER MANHOLE TO REMAIN & TO BE PROTECTED
  22. EXISTING SIDEWALK RAMP TO REMAIN & TO BE PROTECTED



**WHPacific**  
6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

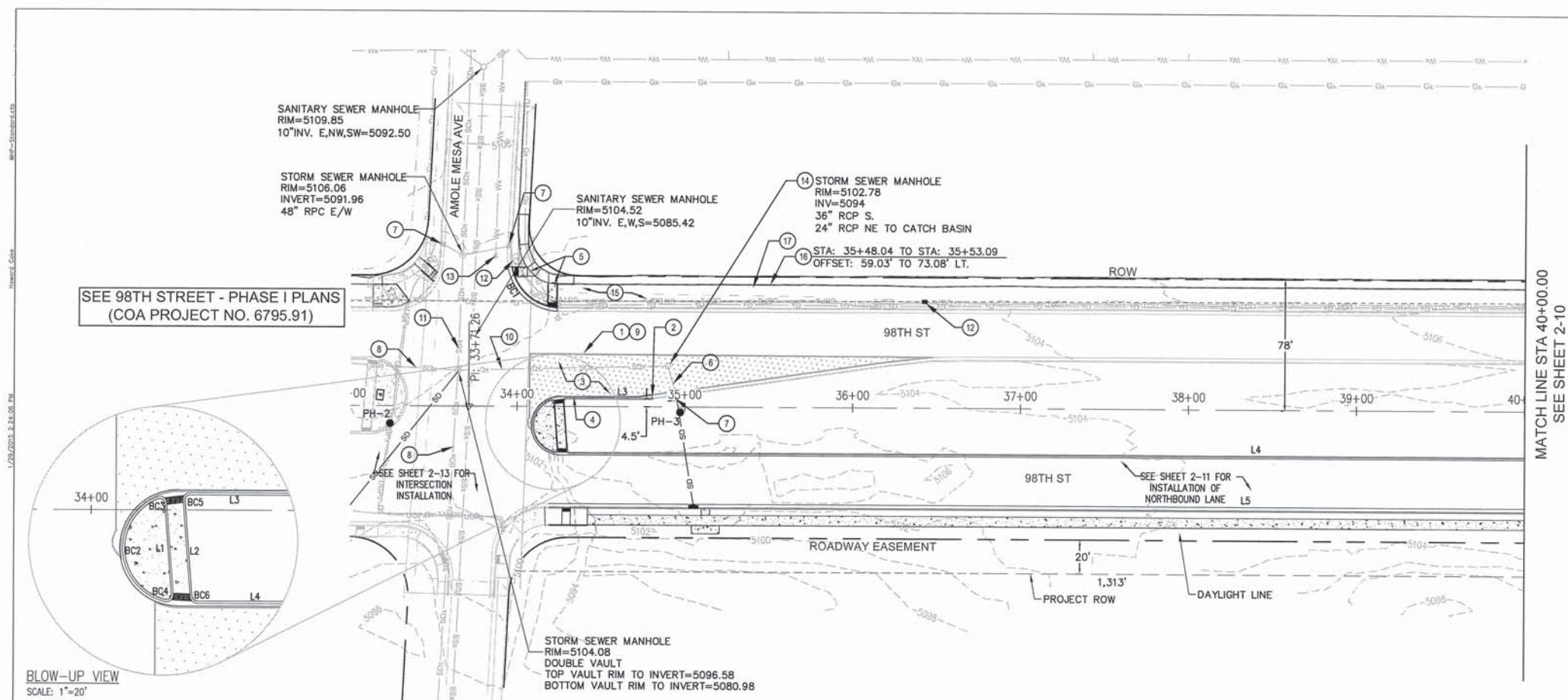
|   |                        |   |             |
|---|------------------------|---|-------------|
|   |                        | CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION |             |
| TITLE: DESIGN OF 98TH STREET FROM AMOLE MESA AVENUE TO GIBSON BOULEVARD<br><b>DEMOLITION PLAN</b><br>98TH STREET STA 45+00.00 TO STA 63+50.00 |                        |   |             |
| Design Review Committee   | City Engineer Approval | Mo./Day/Yr.   | Mo./Day/Yr. |
|   |                        |   |             |
| DESIGN REVIEW COMMITTEE   | CITY ENGINEER          |   |             |
| City Project No.  | Zone Map No.           | Sheet   | Of          |
| 6795.91   | N9                     | 2-8   | 23          |
| NMDOT PROJECT NO. A301500   |                        |   |             |

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

RECORD DRAWING



1/20/2015 2:24:08 PM  
P:\City of Albuquerque\GIS\GISData\Projects\Phase 2\98th St - Phase 2.dwg  
1/20/2015 2:24:08 PM



● POT HOLE DATA TABLE

| POT HOLE # | STATION  | OFFSET    | GROUND ELEV | TOP OF UTILITY ELEV | DESCRIPTION              |
|------------|----------|-----------|-------------|---------------------|--------------------------|
| PH_2       | 33+24.41 | 10.45 Rt. | 5103.34     | 5100.37             | 4" ELECTRIC 1" GAS (PVC) |
| PH_3       | 34+97.37 | 3.27 Rt.  | 5102.42     | 5098.07             | 18" SD (RCP)             |

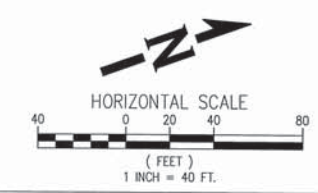
LINE TABLE

| LINE # | LENGTH  | BEARING     |
|--------|---------|-------------|
| L1     | 27.39'  | N74°52'20"W |
| L2     | 28.90'  | S74°52'20"E |
| L3     | 51.38'  | S19°23'44"W |
| L4     | 817.47' | N19°23'44"E |

BACK OF CURB CURVE TABLE (BC)

| CURVE # | RADIUS | ARC LENGTH | TANGENT LENGTH | DELTA      |
|---------|--------|------------|----------------|------------|
| BC1     | 28.73' | 39.05'     | 23.21'         | 077°51'49" |
| BC2     | 15.91' | 39.94'     | 48.73'         | 143°50'42" |
| BC3     | 1.50'  | 2.83'      | 2.07'          | 108°04'51" |
| BC4     | 1.50'  | 2.83'      | 2.07'          | 108°04'39" |
| BC5     | 1.50'  | 2.47'      | 1.62'          | 094°16'04" |
| BC6     | 1.50'  | 2.24'      | 1.39'          | 085°43'56" |

STA 34+25.00 TO STA 40+00.00: NO SOUTHBOUND VERTICAL IMPROVEMENTS



- CONSTRUCTION NOTES
1. MATCH EXISTING PAVEMENT
  2. MATCH EXISTING CURB & GUTTER
  3. CONSTRUCT NEW PAVEMENT PER TYP SECTIONS, SEE SHEET 2-5.
  4. CONSTRUCT NEW MEDIAN CURB & GUTTER PER COA DWG 2415B AND DETAIL 1, SHEET 2-13
  5. CONSTRUCT NEW PERPENDICULAR CROSSING TWO DIRECTIONS PER DETAIL A, SHEET 2-14
  6. EXISTING 18" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
  7. EXISTING STORM DRAIN INLET TO REMAIN & TO BE PROTECTED
  8. EXISTING 60" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
  9. 2' SAWCUT TO A NEAT EDGE AND MATCH EXISTING PAVEMENT PER DETAIL 1, SHEET 2-5
  10. EXISTING 24" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
  11. EXISTING 48" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
  12. PROPOSED/EXISTING ITS PULL BOX TO REMAIN & TO BE PROTECTED PER COA PROJECT NO. 7098.07
  13. EXISTING WATER VALVE TO REMAIN & TO BE PROTECTED
  14. ADJUST STORM DRAIN MANHOLE TO GRADE PER COA DWG 2100
  15. EXISTING LANDSCAPE TO REMAIN & TO BE PROTECTED
  16. CONSTRUCT 5' X 13.8' SIDEWALK, TIE SIDEWALK TO COA BUS SHELTER PAD.
  17. CONSTRUCT BUS SHELTER PAD PER DETAILS PROVIDED IN THE CONTRACT DOCUMENTS.

Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
260-1990

**WHPacific**

6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-241-0204 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists

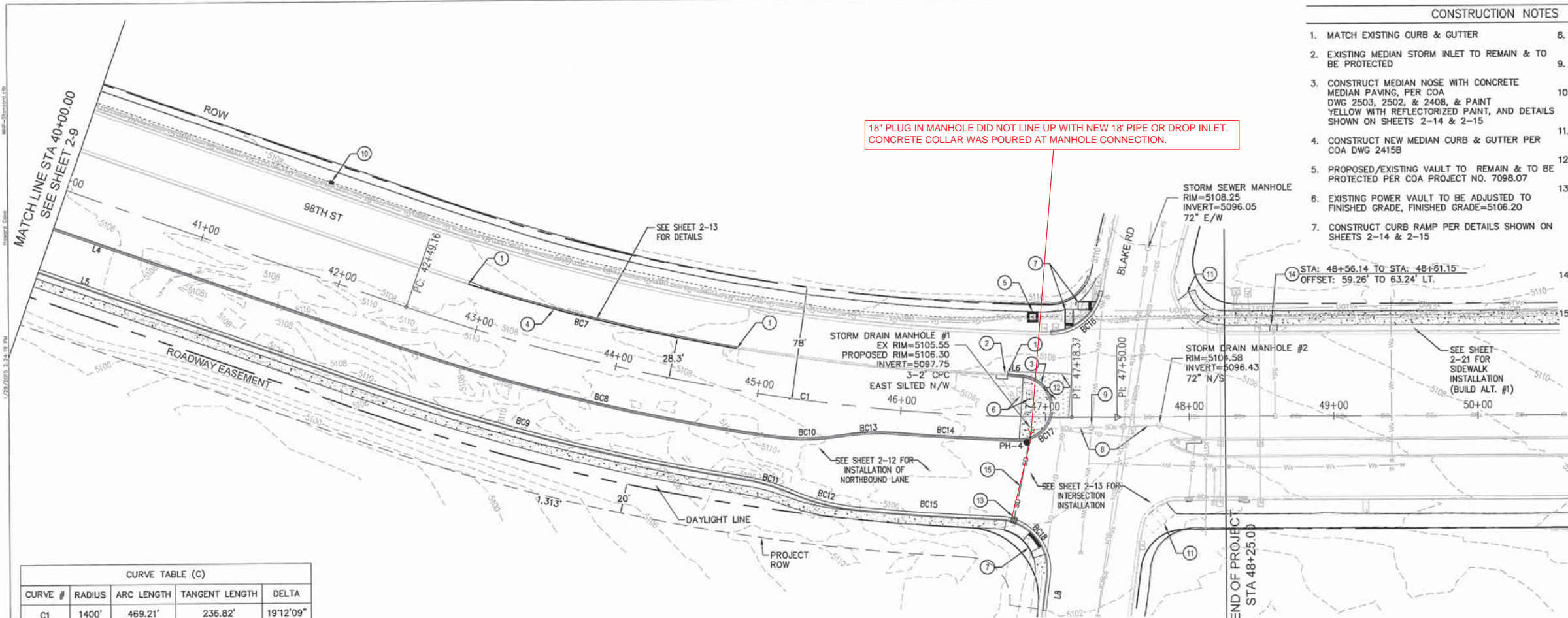
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

|  |  |   |             |
|--|--|---|-------------|
|  |  | CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION |             |
| TITLE: DESIGN OF 98TH STREET FROM AMOLE MESA AVENUE TO GIBSON BOULEVARD<br><b>PLAN VIEW</b><br>SOUTHBOUND 98TH STREET STA 34+25.00 TO STA 40+00.00 |  |   |             |
| Design Review Committee<br><b>APPROVED</b><br>MAR 10 2015  | City Engineer Approval<br><b>APPROVED</b><br>MAR 10 2015 | Mo./Day/Yr.   | Mo./Day/Yr. |
| City Project No. 6795.91   | Zone Map No. N9  | Sheet 2-9   | Of 23       |
| NMDOT PROJECT NO. A301500  |  |   |             |

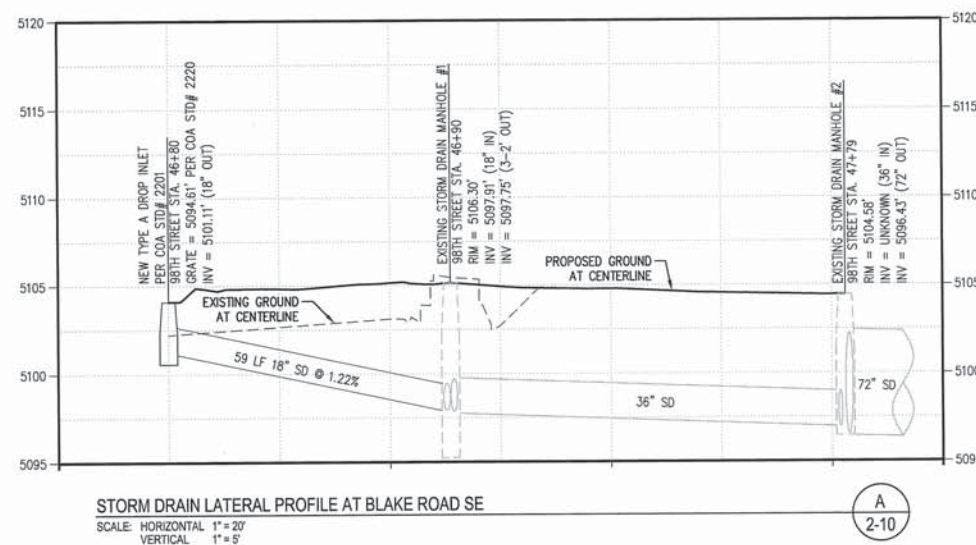
| AS BUILT INFORMATION |      | BENCH MARKS  |      | SURVEY INFORMATION |    | ENGINEER'S SEAL |    |
|----------------------|------|--|------|--------------------|----|-----------------|----|
| CONTRACTOR           | DATE | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP, STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BLVD. SW AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW. | DATE | NO.                | BY | NO.             | BY |
| RECORDED BY          | DATE |  | DATE |                    |    |                 |    |
| DESIGNED BY          | DATE |  | DATE |                    |    |                 |    |
| DRAWN BY             | DATE |  | DATE |                    |    |                 |    |
| CHECKED BY           | DATE |  | DATE |                    |    |                 |    |



1/23/2015 3:44:18 PM  
W:\Projects\2015\2015-0000\Drawings\2015-0000.dwg  
P:\City of Albuquerque\2015\2015-0000\Drawings\2015-0000.dwg  
P:\City of Albuquerque\2015\2015-0000\Drawings\2015-0000.dwg



| CURVE TABLE (C) |        |            |                |           |
|-----------------|--------|------------|----------------|-----------|
| CURVE #         | RADIUS | ARC LENGTH | TANGENT LENGTH | DELTA     |
| C1              | 1400'  | 469.21'    | 236.82'        | 19°12'09" |



| BACK OF CURB CURVE TABLE (BC) |          |            |                |            |
|-------------------------------|----------|------------|----------------|------------|
| CURVE #                       | RADIUS   | ARC LENGTH | TANGENT LENGTH | DELTA      |
| BC7                           | 1371.66' | 190.83'    | 95.57'         | 007°58'16" |
| BC8                           | 1427.33' | 270.92'    | 135.87'        | 010°52'31" |
| BC9                           | 1460.46' | 258.58'    | 129.63'        | 010°08'40" |
| BC10                          | 149.33'  | 47.04'     | 23.72'         | 018°02'52" |
| BC11                          | 149.38'  | 37.49'     | 18.84'         | 014°22'45" |
| BC12                          | 150.62'  | 46.30'     | 23.33'         | 017°36'41" |
| BC13                          | 150.67'  | 38.51'     | 19.36'         | 014°38'43" |
| BC14                          | 1415.33' | 85.11'     | 42.57'         | 003°26'44" |
| BC15                          | 1582.13' | 98.89'     | 49.46'         | 003°34'52" |
| BC16                          | 34.37'   | 47.70'     | 28.59'         | 079°30'11" |
| BC17                          | 21.33'   | 65.27'     | 520.66'        | 175°18'27" |
| BC18                          | 34.38'   | 57.07'     | 37.59'         | 095°07'05" |

| POT HOLE DATA TABLE |          |           |             |                     |              |
|---------------------|----------|-----------|-------------|---------------------|--------------|
| POTHOLE #           | STATION  | OFFSET    | GROUND ELEV | TOP OF UTILITY ELEV | DESCRIPTION  |
| PH_4                | 46+87.60 | 17.71 Rt. | 5105.15     | 5099.61             | 18" SD (RCP) |

| LINE TABLE |         |             |
|------------|---------|-------------|
| LINE #     | LENGTH  | BEARING     |
| L4         | 817.47' | N19°23'44"E |
| L5         | 829.97' | N19°23'44"E |
| L6         | 10.97'  | N06°21'54"E |
| L7         | 42.63'  | S85°58'53"E |
| L8         | 24.63'  | S82°38'16"E |



**WHPacific**  
6501 Americas Pkwy NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
TRANSPORTATION DIVISION

TITLE: DESIGN OF 98TH STREET FROM AMOLE MESA AVENUE TO GIBSON BOULEVARD

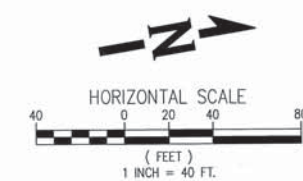
**PLAN VIEW**

SOUTHBOUND 98TH STREET STA 40+00.00 TO STA 48+25.00

Design Review Committee APPROVED MAR 10 2015  
City Engineer APPROVED MAR 10 2015

City Project No. 6795.91 Zone Map No. N9 Sheet 2-10 of 23

NMDOT PROJECT NO. A301500

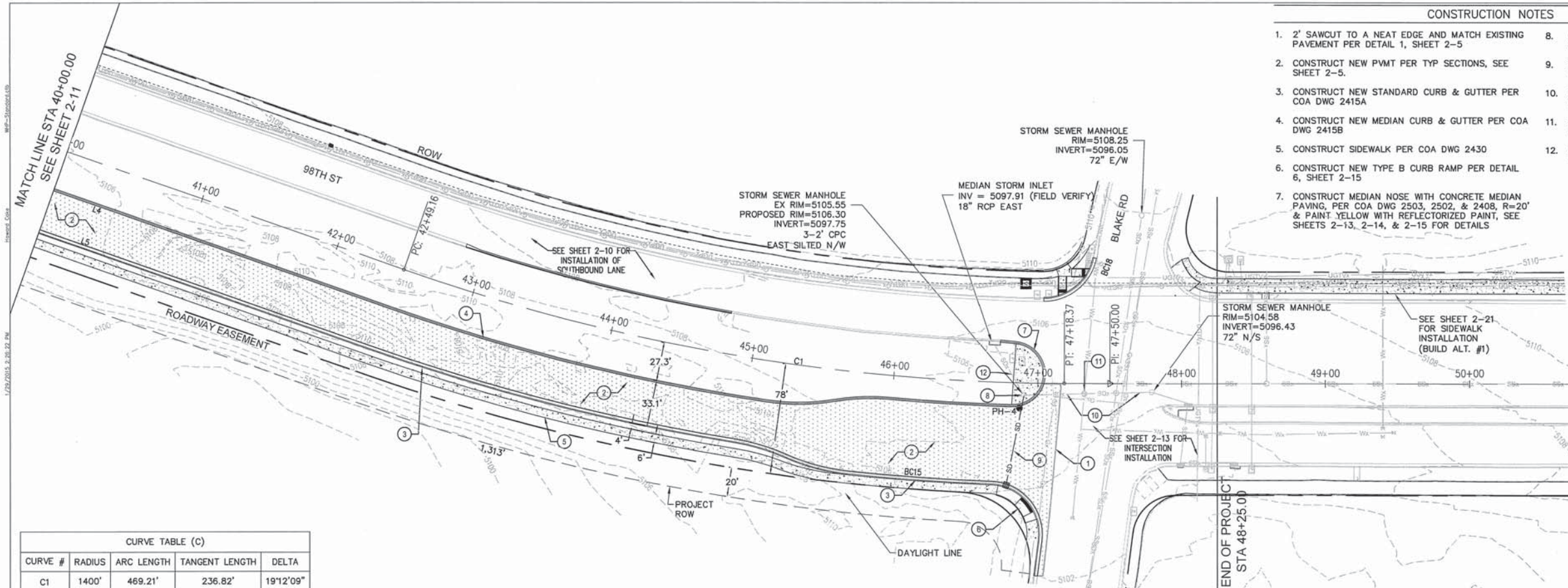


RECORD DRAWING







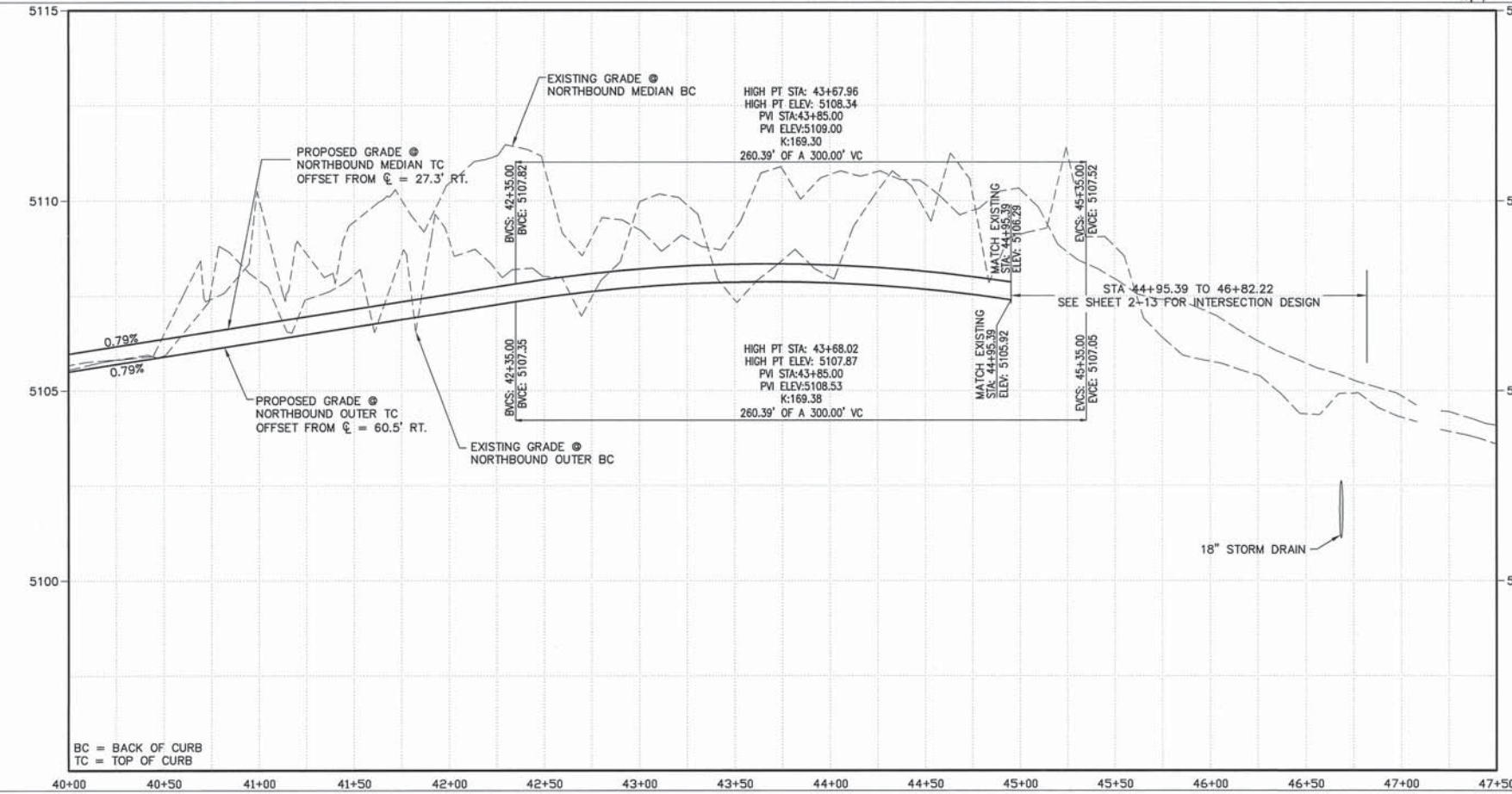


| CURVE TABLE (C) |        |            |                |           |
|-----------------|--------|------------|----------------|-----------|
| CURVE #         | RADIUS | ARC LENGTH | TANGENT LENGTH | DELTA     |
| C1              | 1400'  | 469.21'    | 236.82'        | 19°12'09" |

| LINE TABLE |         |             |
|------------|---------|-------------|
| LINE #     | LENGTH  | BEARING     |
| L4         | 817.47' | N19°23'44"E |
| L5         | 829.97' | N19°23'44"E |
| L6         | 10.97'  | N06°21'54"E |
| L7         | 42.63'  | S85°58'53"E |
| L8         | 24.63'  | S82°38'16"E |

- CONSTRUCTION NOTES
- 2' SAWCUT TO A NEAT EDGE AND MATCH EXISTING PAVEMENT PER DETAIL 1, SHEET 2-5
  - CONSTRUCT NEW PVMT PER TYP SECTIONS, SEE SHEET 2-5.
  - CONSTRUCT NEW STANDARD CURB & GUTTER PER COA DWG 2415A
  - CONSTRUCT NEW MEDIAN CURB & GUTTER PER COA DWG 2415B
  - CONSTRUCT SIDEWALK PER COA DWG 2430
  - CONSTRUCT NEW TYPE B CURB RAMP PER DETAIL 6, SHEET 2-15
  - CONSTRUCT MEDIAN NOSE WITH CONCRETE MEDIAN PAVING, PER COA DWG 2503, 2502, & 2408, R=20' & PAINT YELLOW WITH REFLECTORIZED PAINT, SEE SHEETS 2-13, 2-14, & 2-15 FOR DETAILS
  - ADJUST STORM DRAIN MANHOLE TO GRADE PER COA DWG 2100
  - SEE SHEET 10 FOR STORM DRAIN CONSTRUCTION
  - EXISTING 36" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED
  - EXISTING STORM DRAIN MANHOLE TO REMAIN & TO BE PROTECTED
  - EXISTING 18" STORM DRAIN PIPE TO REMAIN & TO BE PROTECTED

| AS BUILT INFORMATION |      | BENCH MARKS   |      | SURVEY INFORMATION |    | FIELD NOTES |    | ENGINEER'S SEAL |    |
|----------------------|------|---|------|--------------------|----|-------------|----|-----------------|----|
| CONTRACTOR           | DATE | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.  | DATE | NO.                | BY | NO.         | BY | NO.             | BY |
| STAMPED BY           | DATE | STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CORNER RETURN OF UNSER BLVD. SW AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW. | DATE | NO.                | BY | NO.         | BY | NO.             | BY |
| VERIFIED BY          | DATE |   | DATE | NO.                | BY | NO.         | BY | NO.             | BY |
| DESIGNED BY          | DATE |   | DATE | NO.                | BY | NO.         | BY | NO.             | BY |
| RECORDED BY          | DATE |   | DATE | NO.                | BY | NO.         | BY | NO.             | BY |
| NO.                  |      |   |      | NO.                |    | NO.         |    | NO.             |    |



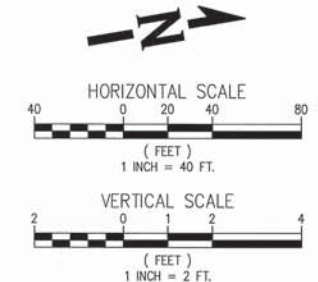
| POT HOLE DATA TABLE |          |          |             |                     |              |
|---------------------|----------|----------|-------------|---------------------|--------------|
| POT HOLE #          | STATION  | OFFSET   | GROUND ELEV | TOP OF UTILITY ELEV | DESCRIPTION  |
| PH_4                | 46+87.60 | 17.71 RL | 5105.15     | 5099.61             | 18" SD (RCP) |

| BACK OF CURB CURVE TABLE (BC) |          |            |                |            |
|-------------------------------|----------|------------|----------------|------------|
| CURVE #                       | RADIUS   | ARC LENGTH | TANGENT LENGTH | DELTA      |
| BC7                           | 1371.66' | 190.83'    | 95.57'         | 007°58'16" |
| BC8                           | 1427.33' | 270.92'    | 135.87'        | 010°52'31" |
| BC9                           | 1460.46' | 258.58'    | 129.63'        | 010°08'40" |
| BC10                          | 149.33'  | 47.04'     | 23.72'         | 018°02'52" |
| BC11                          | 149.38'  | 37.49'     | 18.84'         | 014°22'45" |
| BC12                          | 150.62'  | 46.30'     | 23.33'         | 017°36'41" |
| BC13                          | 150.67'  | 38.51'     | 19.36'         | 014°38'43" |
| BC14                          | 1415.33' | 85.11'     | 42.57'         | 003°26'44" |
| BC15                          | 1582.13' | 98.89'     | 49.46'         | 003°34'52" |
| BC16                          | 34.37'   | 47.70'     | 28.59'         | 079°30'11" |
| BC17                          | 21.33'   | 65.27'     | 520.66'        | 175°18'27" |
| BC18                          | 34.38'   | 57.07'     | 37.59'         | 095°07'05" |

Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
260-1990

**WHPacific**  
6501 Americas Parkway NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

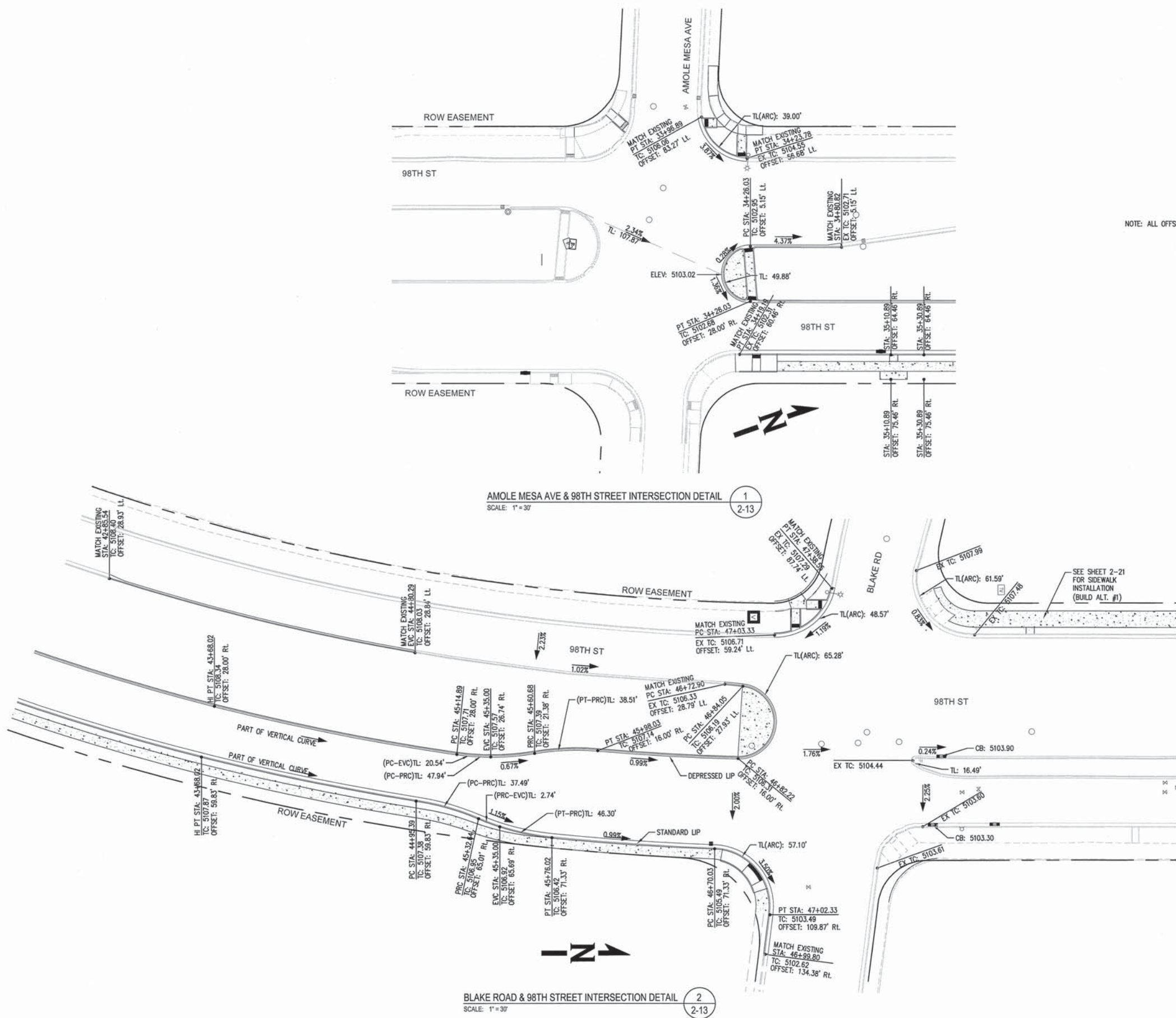
**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102



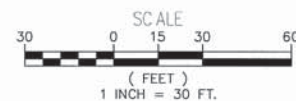
|  |   |
|--|---|
| CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION  |   |
| TITLE: DESIGN OF 98TH STREET FROM AMOLE MESA AVENUE TO GIBSON BOULEVARD<br>PLAN AND PROFILE<br>NORTHBOUND 98TH STREET STA 40+00.00 TO STA 48+25.00 |   |
| Design Review Committee<br><b>APPROVED</b><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE   | City Engineer Approval<br><b>APPROVED</b><br>MAR 10 2015<br>CITY ENGINEER |
| City Project No. 6795.91   | Zone Map No. N9   |
| Sheet 2-12   | Of 23   |
| NMDOT PROJECT NO. A301500  |   |

RECORD DRAWING





NOTE: ALL OFFSETS ARE TO FACE OF CURB



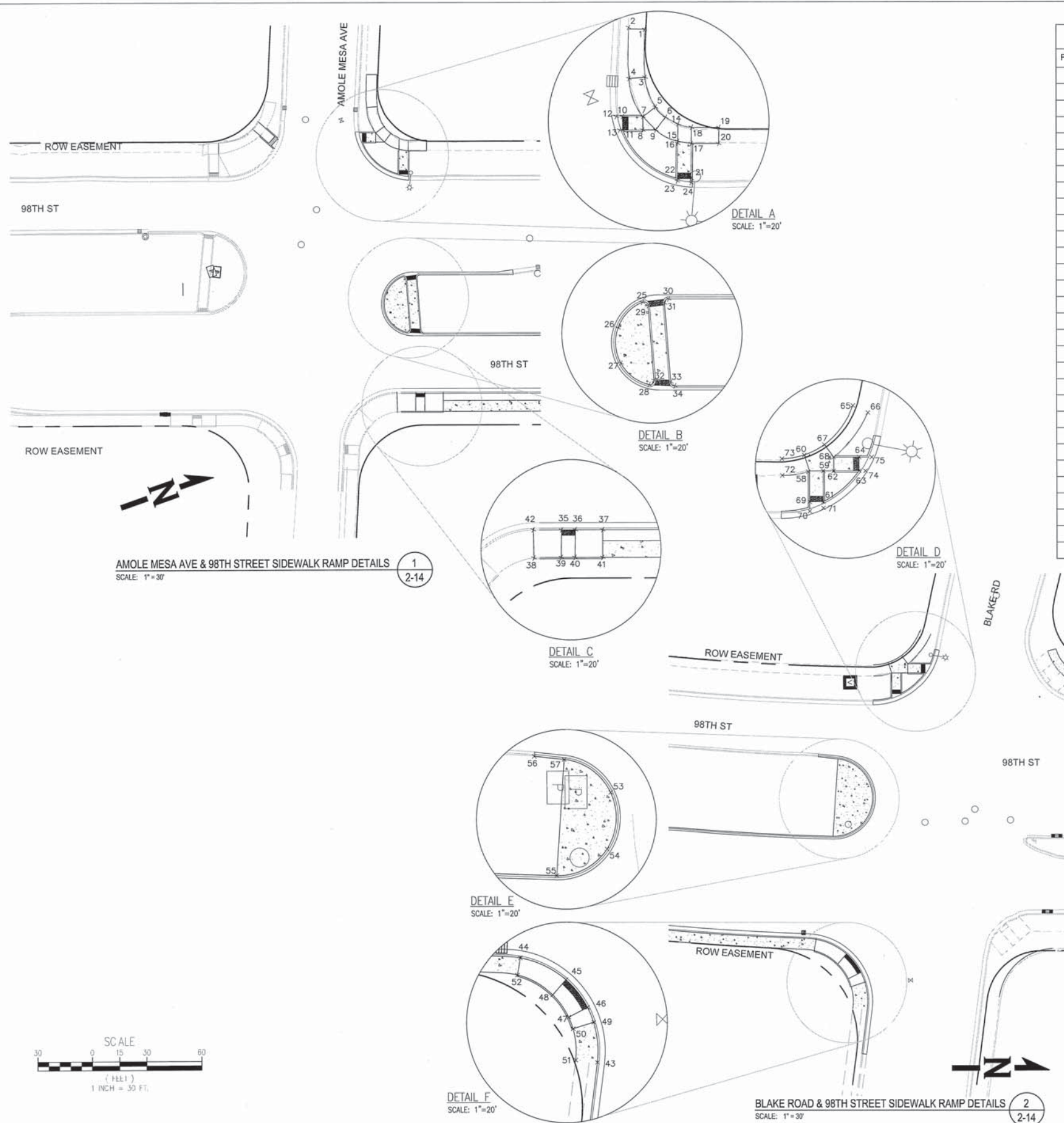
**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

|  |   |
|--|---|
| <p>CITY OF ALBUQUERQUE<br/>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br/>TRANSPORTATION DIVISION</p>   |   |
| <p>TITLE: DESIGN OF 98TH STREET FROM AMOLE MESA AVENUE TO GIBSON BOULEVARD<br/><b>INTERSECTION DETAILS</b><br/>AT AMOLE MESA AVE AT BLAKE RD</p> |   |
| <p>Design Review Committee<br/><b>APPROVED</b><br/>MAR 10 2015<br/>DESIGN REVIEW COMMITTEE</p>   | <p>City Engineer Approval<br/><b>APPROVED</b><br/>MAR 10 2015<br/>CITY ENGINEER</p> |
| <p>City Project No. 6795.91</p>  | <p>Zone Map No. N9</p>  |
| <p>Sheet 2-13</p>  | <p>Of 23</p>  |
| <p>NMDOT PROJECT NO. A301500</p>   |   |

| SURVEY INFORMATION |      | BENCH MARKS  |              | AS BUILT INFORMATION |      |
|--------------------|------|--|--------------|----------------------|------|
| NO.                | DATE | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP, STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BLVD. SW AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW. | CONTRACTOR   | DATE                 | DATE |
|                    |      |  | STAMPED BY   | DATE                 | DATE |
|                    |      |  | INSPECTED BY | DATE                 | DATE |
|                    |      |  | DESIGNED BY  | DATE                 | DATE |
|                    |      |  | CHECKED BY   | DATE                 | DATE |
|                    |      |  | RECORDED BY  | DATE                 | DATE |
|                    |      |  | NO.          | NO.                  | NO.  |

RECORD DRAWING





| Point Table |           |            |            |             |
|-------------|-----------|------------|------------|-------------|
| Point #     | Elevation | Northing   | Easting    | Description |
| 1           | 5107.23   | 1469213.94 | 1494616.87 | TSW         |
| 2           | 5107.16   | 1469208.62 | 1494614.31 | TSW         |
| 3           | 5106.52   | 1469208.22 | 1494633.53 | TSW         |
| 4           | 5106.43   | 1469202.53 | 1494632.00 | TSW         |
| 5           | 5105.55   | 1469208.08 | 1494645.04 | TSW         |
| 6           | 5105.51   | 1469210.31 | 1494649.77 | TSW         |
| 7           | 5105.46   | 1469202.64 | 1494646.73 | TC=TSW      |
| 8           | 5105.38   | 1469200.97 | 1494651.44 | TC=TSW      |
| 9           | 5105.46   | 1469205.39 | 1494653.00 | TSW         |
| 10          | 5105.10   | 1469195.67 | 1494644.27 | TSW         |
| 11          | 5105.03   | 1469194.01 | 1494648.99 | TSW         |
| 12          | 5105.23   | 1469193.45 | 1494643.50 | TSW=FL      |
| 13          | 5105.02   | 1469192.98 | 1494648.63 | TSW=FL      |
| 14          | 5105.05   | 1469213.73 | 1494653.68 | TSW         |
| 15          | 5104.96   | 1469211.60 | 1494659.53 | TSW         |
| 16          | 5104.95   | 1469211.33 | 1494660.29 | TC=TSW      |
| 17          | 5104.87   | 1469216.03 | 1494662.00 | TC=TSW      |
| 18          | 5104.96   | 1469218.04 | 1494656.46 | TSW         |
| 19          | 5104.86   | 1469227.44 | 1494659.88 | TSW         |
| 20          | 5104.72   | 1469225.45 | 1494665.34 | TSW         |
| 21          | 5103.93   | 1469211.62 | 1494674.10 | TSW         |
| 22          | 5104.01   | 1469206.92 | 1494672.39 | TSW         |
| 23          | 5103.99   | 1469206.61 | 1494673.26 | TSW=FL      |
| 24          | 5103.87   | 1469211.10 | 1494675.52 | TSW=FL      |
| 25          | 5103.08   | 1469189.69 | 1494726.43 | BC          |
| 26          | 5103.04   | 1469178.16 | 1494732.29 | BC          |
| 27          | 5102.93   | 1469174.79 | 1494744.76 | BC          |
| 28          | 5102.75   | 1469181.79 | 1494755.63 | BC          |
| 29          | 5103.05   | 1469191.21 | 1494728.32 | BC          |
| 30          | 5103.10   | 1469199.10 | 1494728.48 | BC          |

| Point Table |           |            |            |             |
|-------------|-----------|------------|------------|-------------|
| Point #     | Elevation | Northing   | Easting    | Description |
| 31          | 5103.07   | 1469197.15 | 1494729.50 | BC          |
| 32          | 5102.78   | 1469184.06 | 1494754.77 | BC          |
| 33          | 5102.65   | 1469189.61 | 1494757.40 | BC          |
| 34          | 5102.62   | 1469190.56 | 1494759.20 | BC          |
| 35          | 5101.54   | 1469175.29 | 1494788.99 | TSW=FL      |
| 36          | 5101.51   | 1469180.02 | 1494790.61 | TSW=FL      |
| 37          | 5102.10   | 1469189.46 | 1494793.93 | TSW=TC      |
| 38          | 5102.41   | 1469162.42 | 1494795.17 | TC=TSW      |
| 39          | 5101.69   | 1469171.88 | 1494798.35 | TSW         |
| 40          | 5101.65   | 1469176.60 | 1494800.01 | TSW         |
| 41          | 5102.27   | 1469186.14 | 1494803.37 | TC=TSW      |
| 42          | 5102.25   | 1469165.54 | 1494785.47 | TSW=TC      |
| 43          | 5103.49   | 1470412.66 | 1495194.00 | TSW         |
| 44          | 5105.29   | 1470384.71 | 1495155.77 | TSW=TC      |
| 45          | 5103.87   | 1470401.33 | 1495163.83 | TSW=FL      |
| 46          | 5103.67   | 1470409.18 | 1495173.96 | TSW=FL      |
| 47          | 5103.79   | 1470402.27 | 1495177.50 | TSW         |
| 48          | 5103.91   | 1470396.48 | 1495169.32 | TSW         |
| 49          | 5104.09   | 1470411.38 | 1495179.36 | TSW=TC      |
| 50          | 5104.10   | 1470403.84 | 1495181.71 | TSW=TC      |
| 51          | 5103.61   | 1470404.71 | 1495193.16 | TSW         |
| 52          | 5105.39   | 1470383.57 | 1495162.02 | TC=TSW      |
| 53          | 5106.23   | 1470414.25 | 1495068.66 | BC          |
| 54          | 5106.27   | 1470412.80 | 1495089.44 | BC          |
| 55          | 5106.31   | 1470394.33 | 1495099.07 | BC          |
| 56          | 5106.32   | 1470386.42 | 1495055.33 | BC          |
| 57          | 5106.19   | 1470397.32 | 1495056.55 | BC          |
| 58          | 5107.09   | 1470426.65 | 1495009.79 | TC=TSW      |
| 59          | 5107.18   | 1470432.15 | 1495009.51 | TC=TSW      |
| 60          | 5107.24   | 1470425.24 | 1495003.68 | TSW         |

| Point Table |           |            |            |             |
|-------------|-----------|------------|------------|-------------|
| Point #     | Elevation | Northing   | Easting    | Description |
| 61          | 5106.27   | 1470432.13 | 1495020.85 | TSW=FL      |
| 62          | 5107.12   | 1470436.03 | 1495009.52 | TC=TSW      |
| 63          | 5106.52   | 1470445.31 | 1495009.53 | TSW=FL      |
| 64          | 5106.59   | 1470445.32 | 1495004.53 | TSW         |
| 65          | 5108.03   | 1470443.17 | 1494985.54 | TSW         |
| 66          | 5107.67   | 1470448.65 | 1494988.17 | TSW         |
| 67          | 5107.28   | 1470432.69 | 1494999.89 | TSW         |
| 68          | 5107.20   | 1470436.03 | 1495004.52 | TC=TSW      |
| 69          | 5106.20   | 1470427.13 | 1495020.85 | TSW         |
| 70          | 5106.12   | 1470427.13 | 1495024.33 | TSW=FL      |
| 71          | 5106.17   | 1470432.13 | 1495023.13 | TSW=FL      |
| 72          | 5107.08   | 1470417.19 | 1495011.12 | TSW         |
| 73          | 5107.23   | 1470417.08 | 1495005.02 | TSW         |
| 74          | 5106.42   | 1470447.67 | 1495009.53 | TSW=FL      |
| 75          | 5106.53   | 1470449.96 | 1495004.53 | TSW=FL      |

Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
260-1990

**WHPacific**  
5501 Americas Plaza NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102



CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
TRANSPORTATION DIVISION

TITLE: DESIGN OF 98TH STREET FROM AMOLE MESA AVENUE TO GIBSON BOULEVARD  
**SIDEWALK RAMP DETAILS**  
AT AMOLE MESA AVE AT BLAKE RD

| Design Review Committee                            | City Engineer Approval                   | Mo./Day/Yr. | Mo./Day/Yr. |
|--|--|-------------|-------------|
| APPROVED<br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE | APPROVED<br>MAR 10 2015<br>CITY ENGINEER |             |             |
| City Project No.                                   | Zone Map No.                             | Sheet       | Of          |

6795.91 N9 2-14 23

NMDOT PROJECT NO. A301500

RECORD DRAWING

| AS BUILT INFORMATION  |           |      |      |
|---|-----------|------|------|
| CONTRACTOR  | DATE      | DATE | DATE |
| STATIONED BY  | DATE      | DATE | DATE |
| REVISIONS   | DATE      | DATE | DATE |
| NO.   | DATE      | DATE | DATE |
| MICRO-FILM INFORMATION  |           |      |      |
| RECORDED BY   | DATE      | NO.  | DATE |
| ELEVATION=5036.496 FT. (2ND ORDER) (NAVD 1988)                            |           |      |      |
| N=1469674.583 E=1497276.885   |           |      |      |
| BENCH MARKS   |           |      |      |
| THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.                                |           |      |      |
| STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE                             |           |      |      |
| CURB IN THE NW CORNER RETURN OF UNSER BLVD. SW                            |           |      |      |
| AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF                        |           |      |      |
| CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF                              |           |      |      |
| CENTERLINE OF UNSER BLVD SW.  |           |      |      |
| STAMPED "3-N10"   |           |      |      |
| ELEVATION=5036.496 FT. (2ND ORDER) (NAVD 1988)                            |           |      |      |
| N=1469674.583 E=1497276.885   |           |      |      |
| SURVEY INFORMATION  |           |      |      |
| FIELD NOTES   | DATE      | BY   | NO.  |
| ENGINEER'S SEAL   |           |      |      |
| HOWARD R. CAKE<br>NEW MEXICO<br>16896<br>REGISTERED PROFESSIONAL ENGINEER |           |      |      |
| REMARKS   | REVISIONS | DATE | DATE |
| NO.   | DATE      | DATE | DATE |
| DESIGNED BY   | DATE      | DATE | DATE |
| DRAWN BY  | DATE      | DATE | DATE |
| CHECKED BY  | DATE      | DATE | DATE |

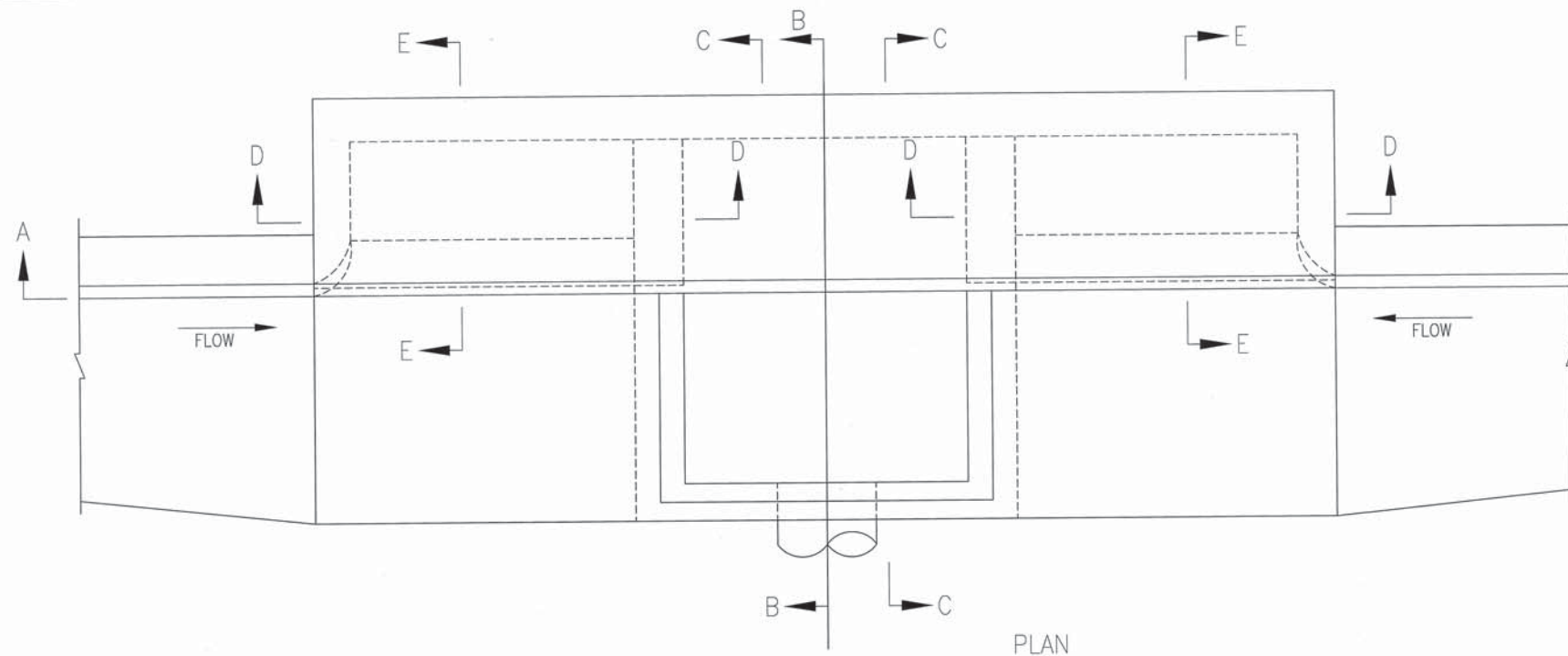






17/02/2015 2:30:13 PM  
H:\projects\2015\2015-001\DWG\2015-001.dwg

P:\City of Albuquerque\2015\2015-001\DWG\2015-001.dwg

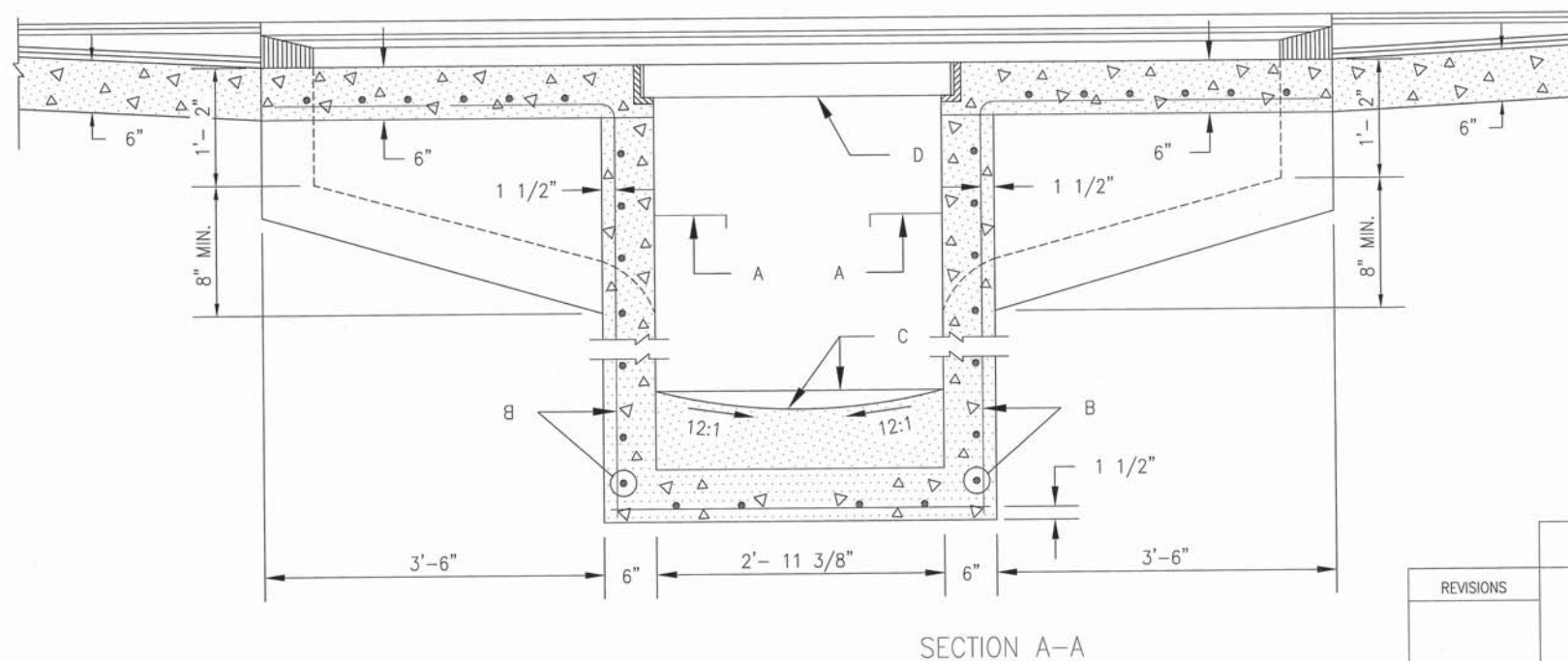


### GENERAL NOTES:

1. SEE DWG. 2202 FOR TYPE "A" INLET SECTIONS.
2. FOR STORM INLET GUTTER TRANSITION, SEE DWG. 2207.
3. OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
4. FOR FRAME & GRATING, SEE DWG. 2216, 2220 & 2221.

### CONSTRUCTION NOTES:

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



DRAWING HAS BEEN MODIFIED

| REVISIONS |  | CITY OF ALBUQUERQUE  |  |
|-----------|--|----------------------|--|
|           |  | DRAINAGE             |  |
|           |  | STORM INLET TYPE "A" |  |
|           |  | PLAN AND SECTION A-A |  |
|           |  | DWG. 2201            |  |
|           |  | AUG. 1986            |  |



**WHPacific**  
6501 Americas Plaza NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

|   |  |   |                               |
|---|--|---|-------------------------------|
|   |  | CITY OF ALBUQUERQUE<br>DEPARTMENT OF MUNICIPAL DEVELOPMENT<br>TRANSPORTATION DIVISION |                               |
| TITLE: DESIGN OF 98TH STREET FROM AMOLE MESA AVENUE TO GIBSON BOULEVARD |  |   |                               |
| COA STD DWG. 2201 (MODIFIED)  |  |   |                               |
| Design Review Committee<br><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE   | City Engineer Approval<br><br>MAR 10 2015<br>CITY ENGINEER | Mo./Day/Yr.<br>____/____/____   | Mo./Day/Yr.<br>____/____/____ |
| City Project No.<br>6795.91   | Zone Map No.<br>N9   | Sheet<br>2-16   | Of<br>23                      |

| SURVEY INFORMATION |      | BENCH MARKS  |             | AS BUILT INFORMATION |      |
|--------------------|------|--|-------------|----------------------|------|
| FIELD NO.          | DATE | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP. STAMPED "3-N10". SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BLVD. SW AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW. | CONTRACTOR  | DATE                 | DATE |
| BY                 |      |  | STAMPED BY  | DATE                 | DATE |
|                    |      |  | APPROVED BY | DATE                 | DATE |
|                    |      |  | CHECKED BY  | DATE                 | DATE |
|                    |      |  | RECORDED BY | DATE                 | DATE |
|                    |      |  | NO.         | DATE                 | DATE |

ENGINEER'S SEAL  
  
HOWARD R. CALK  
16886  
3/15/15  
CITY ENGINEER

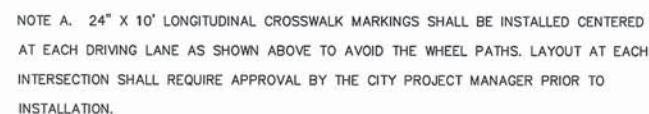
REVISIONS  
NO. DATE REMARKS  
1 3/15/15 WHPacific Incorporated  
DESIGNED BY  
DRAWN BY  
CHECKED BY

RECORD DRAWING

NMDOT PROJECT NO. A301500

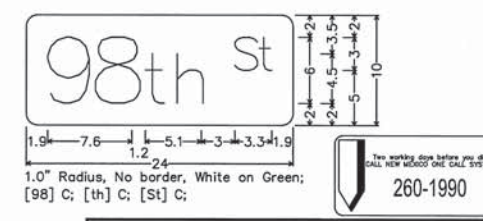


7. ALL SIGN POST INSTALLATION PER NMDOT STANDARD DRAWING 701-02-1/3, SEE DETAIL THIS SHEET.



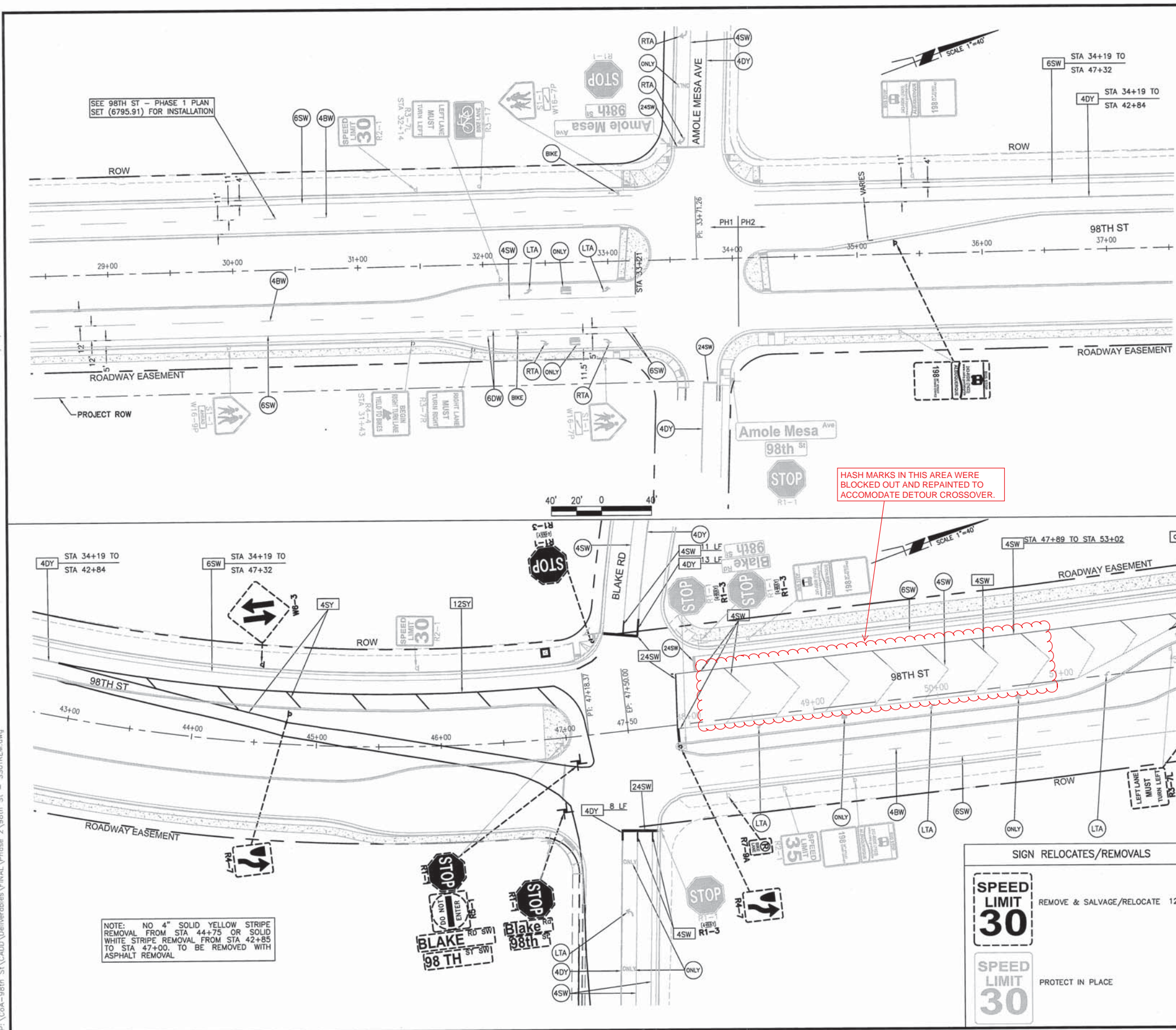
## PROTECT IN PLACE

| SURVEY INFORMATION |  | BENCH MARKS |    | AS BUILT INFORMATION                                  |      |
|--------------------|--|-------------|----|---|------|
| NO.                | FIELD NOTES  | DATE        | BY | CONTRACTOR  | DATE |
|                    | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP, STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BLVD. SW AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW. |             |    | STANDARD BY FIELD ACCEPTANCE BY DRAWINGS CORRECTED BY |      |
|                    | STAMPED 3-N10  |             |    | MICRO-FILM INFORMATION                                |      |
|                    | ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988)  |             |    | RECORDED BY   | DATE |
|                    |  |             |    | NO.   |      |



|                  |         |              |       |       |    |      |    |
|------------------|---------|--------------|-------|-------|----|------|----|
| City Project No. | 6795.91 | Zone Map No. | N9 P9 | Sheet | Of | 2-17 | 23 |
|------------------|---------|--------------|-------|-------|----|------|----|





REMOVAL QUANTITIES

|      |                               |          |
|------|-------------------------------|----------|
| 4SW  | 4" SOLID WHITE STRIPE         | 866 LF   |
| 4DY  | 4" SOLID DOUBLE YELLOW STRIPE | 886 LF   |
| 4SY  | 4" SOLID YELLOW STRIPE        | 768 LF   |
| 6SW  | 6" SOLID WHITE STRIPE         | 1,313 LF |
| 8SY  | 8" SOLID YELLOW STRIPE        | 138 LF   |
| 12SY | 12" SOLID YELLOW STRIPE       | 496 LF   |
| 24SW | 24" STOP BAR (WHITE)          | 111 LF   |
| LTA  | LEFT TURN ARROW               | 1 EA     |
| ONLY | "ONLY" PAVEMENT MARKING       | 1 EA     |

STRIPES TO REMAIN

|      |                                  |
|------|----------------------------------|
| 4BW  | 4" BROKEN WHITE STRIPE           |
| 4SW  | 4" SOLID WHITE STRIPE            |
| 4DY  | 4" DOUBLE YELLOW STRIPE          |
| 6DW  | 6" DASHED WHITE STRIPE           |
| 6SW  | 6" SOLID WHITE STRIPE            |
| 24SW | 24" STOP BAR (WHITE)             |
| BIKE | BICYCLE & ARROW PAVEMENT MARKING |
| LTA  | LEFT TURN ARROW                  |
| ONLY | "ONLY" PAVEMENT MARKING          |
| RTA  | RIGHT TURN ARROW                 |

AS BUILT INFORMATION

|               |      |
|---------------|------|
| CONTRACTOR    | DATE |
| INSPECTOR     | DATE |
| FIELD OFFICER | DATE |
| APPROVED BY   | DATE |
| CORRECTED BY  | DATE |
| RECORDED BY   | DATE |

SURVEY INFORMATION

|     |      |
|-----|------|
| NO. | DATE |
| NO. | DATE |
| NO. | DATE |
| NO. | DATE |
| NO. | DATE |
| NO. | DATE |

ENGINEER'S SEAL

ERIC J. FROBERG  
NEW MEXICO  
18855  
PROFESSIONAL ENGINEER  
01/13/2015

DESIGN REVIEW COMMITTEE

APPROVE  
MAR 10 2015  
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

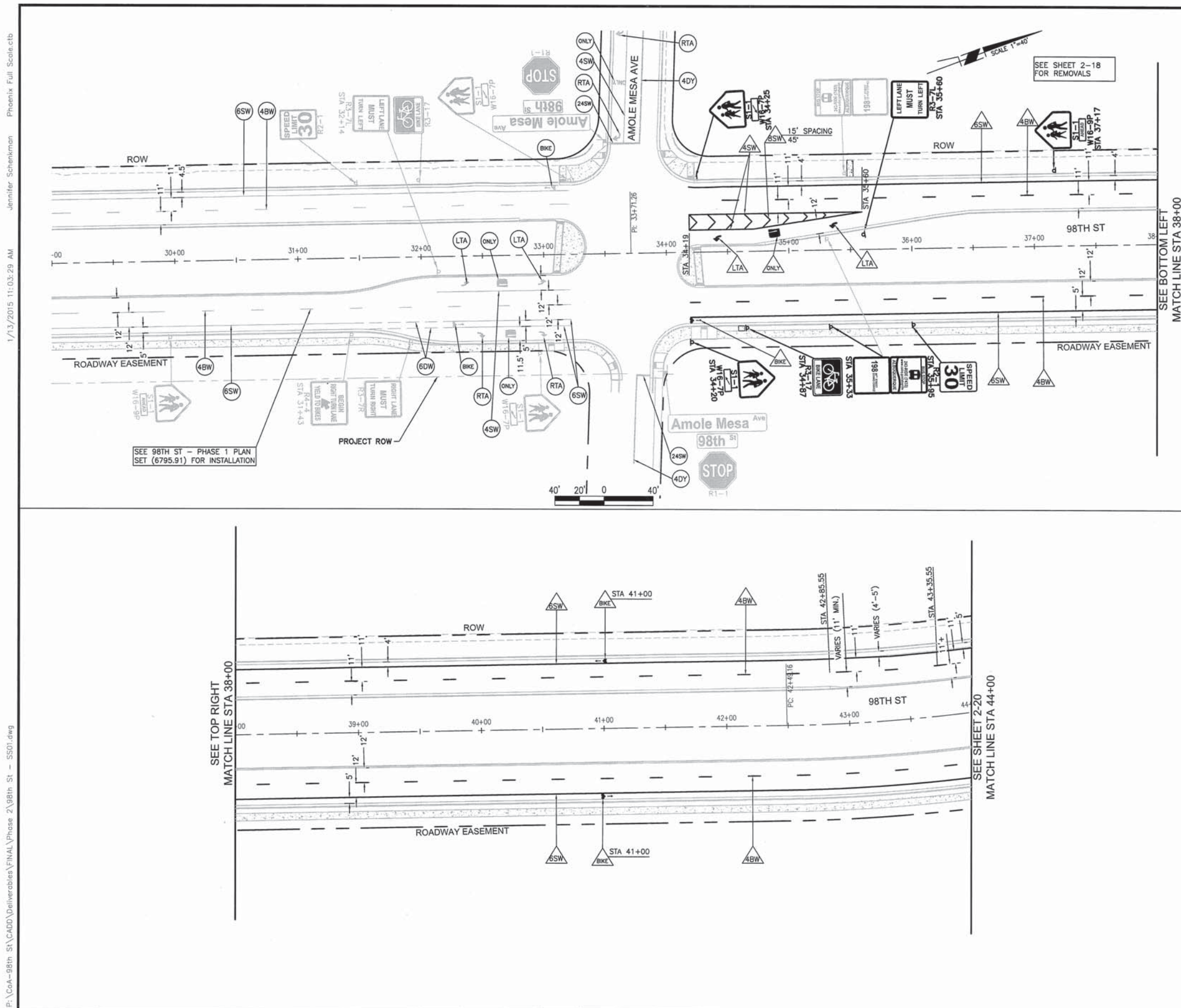
APPROVE  
MAR 10 2015  
CITY ENGINEER

City Project No. 6795.91

Zone Map No. N9,P9

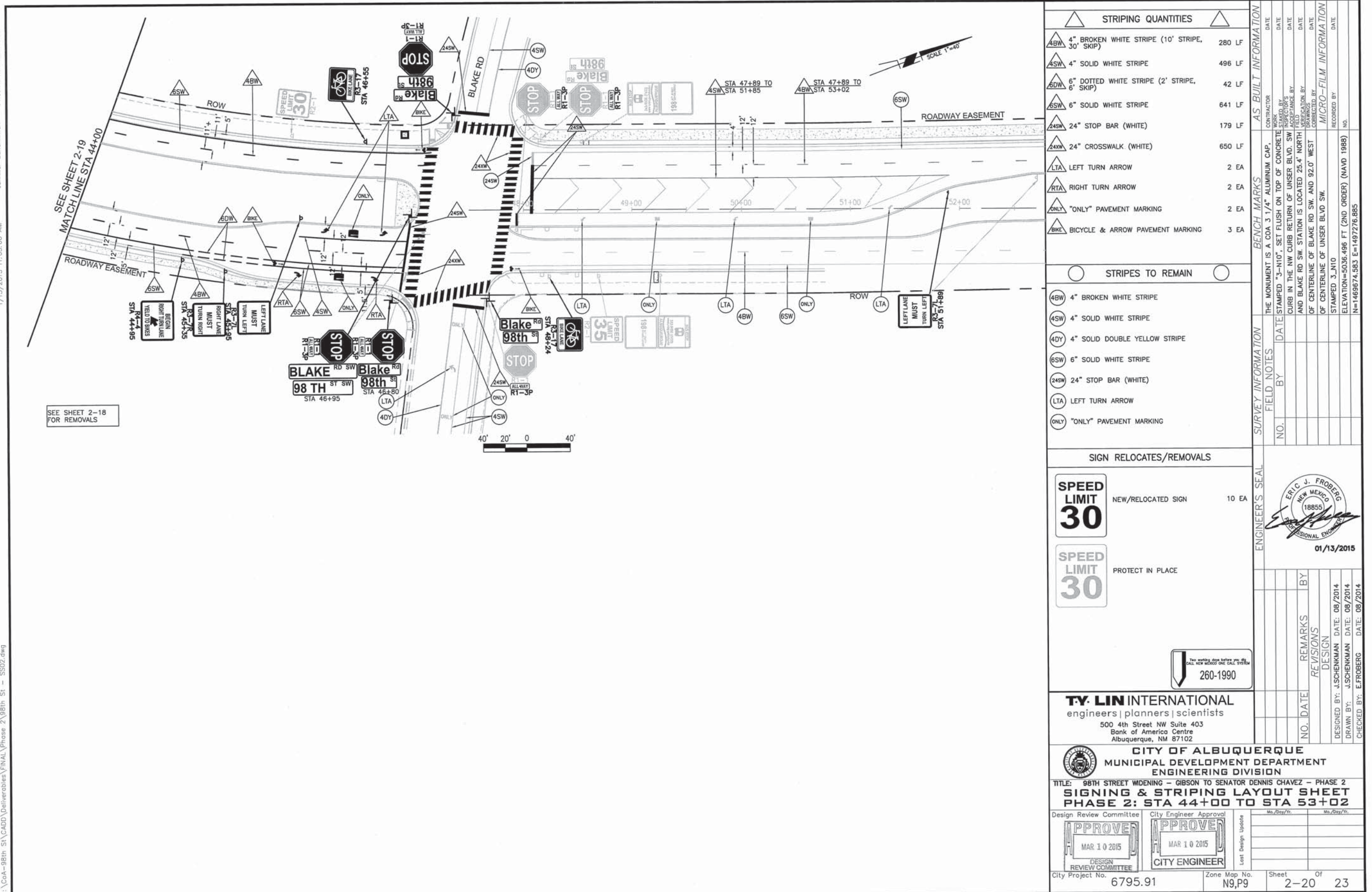
Sheet 2-18 Of 23






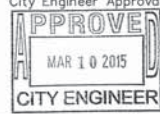




| STRIPING QUANTITIES  |   | AS BUILT INFORMATION   |             |
|--|---|--|-------------|
| 4BW  | 4" BROKEN WHITE STRIPE (10' STRIPE, 30' SKIP) | 578 LF   | CONTRACTOR  |
| 4SW  | 4" SOLID WHITE STRIPE                         | 295 LF   | DATE        |
| 6SW  | 6" SOLID WHITE STRIPE                         | 1,962 LF   | DATE        |
| 8SW  | 8" SOLID WHITE STRIPE                         | 117 LF   | DATE        |
| LTA  | LEFT TURN ARROW                               | 2 EA   | DATE        |
| ONLY   | "ONLY" PAVEMENT MARKING                       | 1 EA   | DATE        |
| BKE  | BICYCLE & ARROW PAVEMENT MARKING              | 3 EA   | DATE        |
| STRIPE TO REMAIN   |   | BENCH MARKS  |             |
| 4BW  | 4" BROKEN WHITE STRIPE                        | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP, STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CORNER OF UNBLVD SW. AND BLVD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLVD SW. AND 92.0' WEST OF CENTERLINE OF UNBLVD SW. STAMPED 3-N10 ELEVATION=5036.496 FT (2ND ORDER) (NAD 1988) N=1469674.583 E=1497276.885 |             |
| 4SW  | 4" SOLID WHITE STRIPE                         |  |             |
| 4DY  | 4" SOLID DOUBLE YELLOW STRIPE                 |  |             |
| 6DW  | 6" DASHED WHITE STRIPE                        |  |             |
| 6SW  | 6" SOLID WHITE STRIPE                         |  |             |
| 24SW   | 24" STOP BAR (WHITE)                          |  |             |
| BKE  | BICYCLE & ARROW PAVEMENT MARKING              |  |             |
| LTA  | LEFT TURN ARROW                               |  |             |
| ONLY   | "ONLY" PAVEMENT MARKING                       |  |             |
| RTA  | RIGHT TURN ARROW                              |  |             |
| SIGN RELOCATES/REMOVALS  |   | SURVEY INFORMATION   |             |
| SPEED LIMIT 30   | NEW/RELOCATED SIGN                            | 7 EA   | FIELD NOTES |
| SPEED LIMIT 30   | PROTECT IN PLACE                              |  | NO. BY DATE |
|  |   |  |             |
|  |   |  |             |
|  |   |  |             |
|  |   |  |             |
|  |   | DESIGNED BY: J.SCHENKMAN DATE: 08/2014<br>DRAWN BY: J.SCHENKMAN DATE: 08/2014<br>CHECKED BY: E.FROBERG DATE: 08/2014   |             |
|  |   |  |             |
|  |   |  |             |
|  |   |  |             |
| TITLE: 98TH STREET WIDENING - GIBSON TO SENATOR DENNIS CHAVEZ - PHASE 2<br>SIGNING & STRIPING LAYOUT SHEET<br>STA 29+00 TO STA 44+00 |   | DESIGN REVIEW COMMITTEE  |             |
|  |   |  |             |
| City Project No. 6795.91   |   | Zone Map No. N9,P9   |             |
| Sheet 2-19   |   | Of 23  |             |

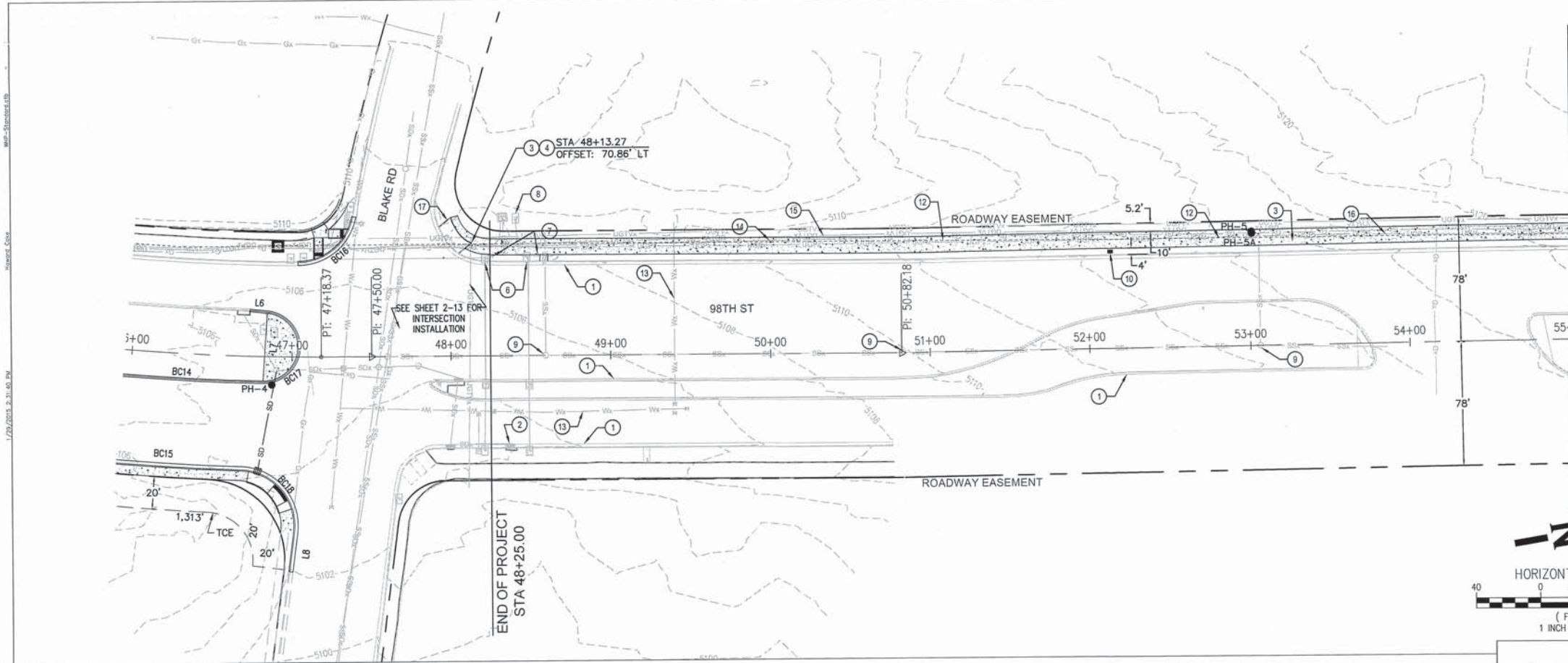




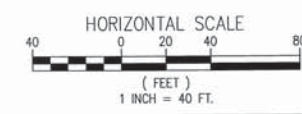
| STRIPING QUANTITIES   |   |
|---|---|
| 4SW 4" BROKEN WHITE STRIPE (10' STRIPE, 30" SKIP)   | 280 LF  |
| 4SW 4" SOLID WHITE STRIPE   | 496 LF  |
| 6SW 6" DOTTED WHITE STRIPE (2' STRIPE, 6" SKIP)   | 42 LF   |
| 6SW 6" SOLID WHITE STRIPE   | 641 LF  |
| 24SW 24" STOP BAR (WHITE)   | 179 LF  |
| 24SW 24" CROSSWALK (WHITE)  | 650 LF  |
| LTA LEFT TURN ARROW   | 2 EA  |
| RTA RIGHT TURN ARROW  | 2 EA  |
| ONLY "ONLY" PAVEMENT MARKING  | 2 EA  |
| BIKE BICYCLE & ARROW PAVEMENT MARKING   | 3 EA  |
| STRIPES TO REMAIN   |   |
| 4BW 4" BROKEN WHITE STRIPE  |   |
| 4SW 4" SOLID WHITE STRIPE   |   |
| 4DY 4" SOLID DOUBLE YELLOW STRIPE   |   |
| 6SW 6" SOLID WHITE STRIPE   |   |
| 24SW 24" STOP BAR (WHITE)   |   |
| LTA LEFT TURN ARROW   |   |
| ONLY "ONLY" PAVEMENT MARKING  |   |
| SIGN RELOCATES/REMOVALS   |   |
|  NEW/RELOCATED SIGN  | 10 EA   |
|  PROTECT IN PLACE  |   |
|    |   |
| <b>TY LIN INTERNATIONAL</b><br>engineers   planners   scientists<br>500 4th Street NW Suite 403<br>Bank of America Centre<br>Albuquerque, NM 87102  |   |
|  <b>CITY OF ALBUQUERQUE</b><br>MUNICIPAL DEVELOPMENT DEPARTMENT<br>ENGINEERING DIVISION<br>TITLE: 98TH STREET WIDENING - GIBSON TO SENATOR DENNIS CHAVEZ - PHASE 2<br><b>SIGNING &amp; STRIPING LAYOUT SHEET</b><br><b>PHASE 2: STA 44+00 TO STA 53+02</b> |   |
| Design Review Committee<br><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE  | City Engineer Approval<br><br>MAR 10 2015<br>CITY ENGINEER |
| City Project No. 6795.91  | Zone Map No. N9,P9  |
| Sheet 2-20  | Of 23   |

RECORD DRAWING



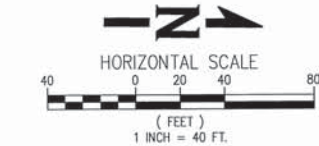
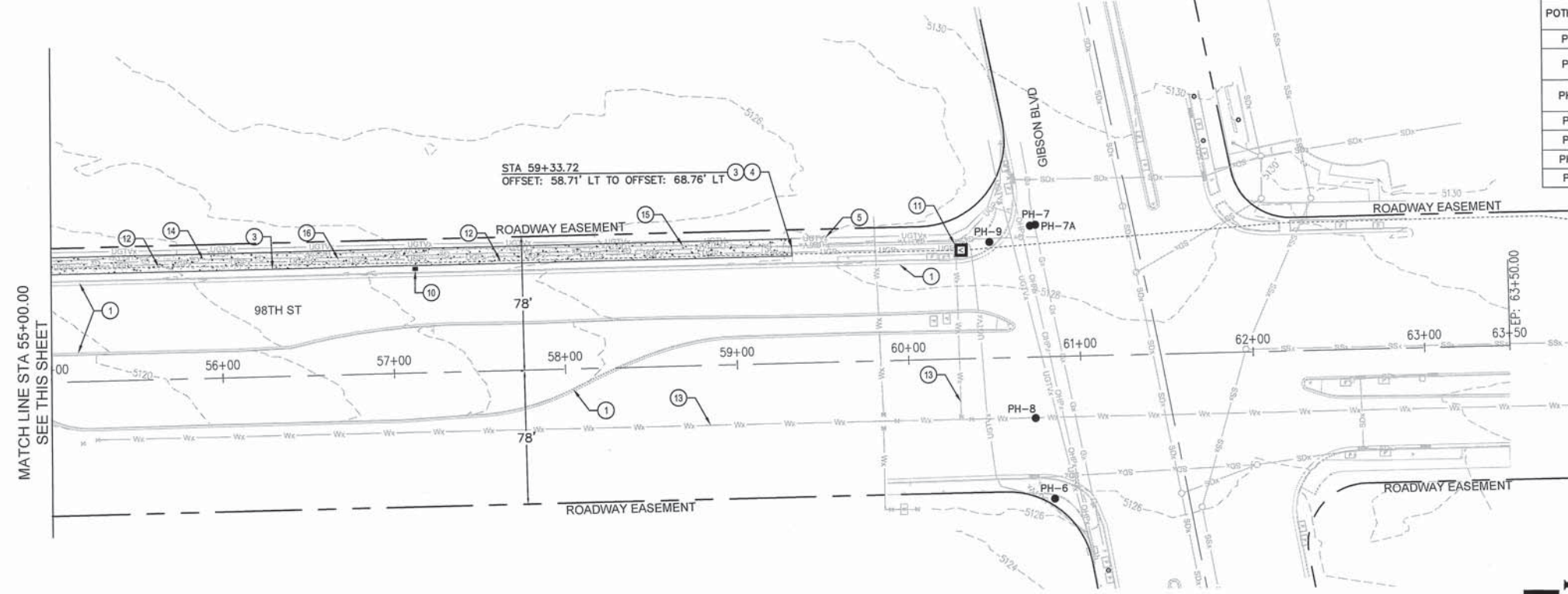


- CONSTRUCTION NOTES**
1. EXISTING CURB & GUTTER TO REMAIN & TO BE PROTECTED
  2. EXISTING STORM INLET TO REMAIN & TO BE PROTECTED
  3. CONSTRUCT 10' SIDEWALK PER COA DWG 2430
  4. MATCH EXISTING SIDEWALK EDGE
  5. EXISTING SIDEWALK TO REMAIN & TO BE PROTECTED
  6. EXISTING POWER VAULT TO BE ADJUSTED TO NEW GRADE
  7. EXISTING SIGNS TO BE RELOCATED/PROTECTED IN PLACE PER SHEET 17
  8. EXISTING CABLE BOX TO REMAIN & TO BE ADJUSTED TO GRADE
  9. EXISTING SANITARY SEWER MANHOLE TO REMAIN & TO BE PROTECTED
  10. PROPOSED/EXISTING ITS PULL BOX TO REMAIN & TO BE PROTECTED PER COA PROJECT NO. 7098.07
  11. PROPOSED/EXISTING VAULT TO REMAIN & TO BE PROTECTED PER COA PROJECT NO. 7098.07
  12. PROPOSED/EXISTING 3" CONDUIT PER COA PROJECT NO 7098.07 TO REMAIN & TO BE PROTECTED
  13. EXISTING WATER LINE TO REMAIN & TO BE PROTECTED
  14. EXISTING GAS LINE TO REMAIN & TO BE PROTECTED
  15. EXISTING UNDERGROUND CABLE LINE TO REMAIN & TO BE PROTECTED
  16. EXISTING UNDERGROUND POWER LINE TO REMAIN & TO BE PROTECTED
  17. EXISTING CURB RAMP TO REMAIN & TO BE PROTECTED



● POT HOLE DATA TABLE

| POTHOLE # | STATION  | OFFSET    | GROUND ELEV | TOP OF UTILITY ELEV | DESCRIPTION           |
|-----------|----------|-----------|-------------|---------------------|-----------------------|
| PH_4      | 46+87.60 | 17.71 RL  | 5105.15     | 5099.61             | 18" SD (RCP)          |
| PH_5      | 53+01.90 | 17.51 Lt. | 5117.42     | 5113.24             | 1-6" GAS (PE)         |
| PH_5A     | 53+01.90 | 70.36 Lt. | 5117.43     | 5112.19             | 2-1.75" ELECTRIC (DB) |
| PH_6      | 60+83.14 | 82.87 Rt. | 5126.90     | 5125.01             | 4" CATV (PVC)         |
| PH_7      | 60+72.63 | 76.77 Rt. | 5128.80     | 5124.39             | 1.75" ELECTRIC (DB)   |
| PH_7A     | 60+75.77 | 77.21 Lt. | 5128.81     | 5123.60             | 4" GAS (PE)           |
| PH_9      | 60+48.83 | 67.85 Lt. | 5128.63     | 5123.86             | 3-4" TELEPHONE (PVC)  |
|           |          |           |             |                     | 12" WATER (PVC)       |



Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
**260-1990**

**WHPacific**  
6501 Americas Parkway NE, Suite 400  
Albuquerque, NM 87110  
505-247-0294 Fax 505-242-4845  
www.whpacific.com

**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
TRANSPORTATION DIVISION

TITLE: DESIGN OF 98TH STREET FROM AMOLE MESA AVENUE TO GIBSON BOULEVARD  
**BID ALTERNATE #1 - SIDEWALK INSTALLATION**

|   |  |             |             |
|---|--|-------------|-------------|
| Design Review Committee<br><b>APPROVE</b><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE | City Engineer Approval<br><b>APPROVE</b><br>MAR 10 2015<br>CITY ENGINEER | Mo./Day/Yr. | Mo./Day/Yr. |
| City Project No. 6795.91  | Zone Map No. N9  | Sheet 2-21  | Of 23       |

NMDOT PROJECT NO. A301500

| AS BUILT INFORMATION |      | BENCH MARKS  |      | SURVEY INFORMATION |     |
|----------------------|------|--|------|--------------------|-----|
| CONTRACTOR           | DATE | THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP.         | DATE | FIELD NOTES        | NO. |
| STAMPED BY           | DATE | CURB IN THE NW CURB RETURN OF UNSER BLVD. SW       | BY   |                    |     |
| APPROVED BY          | DATE | AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF |      |                    |     |
| DESIGNED BY          | DATE | CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF       |      |                    |     |
| DRAWN BY             | DATE | CENTERLINE OF UNSER BLVD SW.                       |      |                    |     |
| CHECKED BY           | DATE | STAMPED 3 N10                                      |      |                    |     |
| RECORDED BY          | DATE | ELEVATION=5036.496 FT (2ND ORDER) (NAVD 1988)      |      |                    |     |
|                      |      | N=1469674.583 E=1497276.885                        |      |                    |     |

**ENGINEER'S SEAL**

HOWARD R. CAKE  
NEW MEXICO  
16896  
Professional Engineer

|     |      |                        |      |
|-----|------|------------------------|------|
| NO. | DATE | REMARKS                | BY   |
|     |      | REVISIONS              |      |
|     |      | WHPacific Incorporated |      |
|     |      | DESIGNED BY            | DATE |
|     |      | DRAWN BY               | DATE |
|     |      | CHECKED BY             | DATE |

RECORD DRAWING



## LIGHTING GENERAL NOTES

- ALL ELECTRICAL WORK MUST BE PERFORMED BY A LICENSED MASTER ELECTRICIAN OR A CERTIFIED APPRENTICE WORKING UNDER THE DIRECT SUPERVISION OF A LICENSED MASTER ELECTRICIAN. ALL ELECTRICAL WORK MUST BE COMPLETE IN CONFORMANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL ELECTRICAL SAFETY CODE (NESC), THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, AND PUBLIC SERVICE COMPANY OF NEW MEXICO (PNM) STANDARDS AND PROCEDURES. ALL ELECTRICAL SYSTEMS, EQUIPMENT AND MATERIALS SHALL BE PROPERLY GROUNDED AND BONDED PER NEC REQUIREMENTS.
- LOCATIONS OF CONDUITS, FOUNDATIONS, PULL BOXES, AND CONTROL CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE PROJECT MANAGER IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK. ALL SUCH EQUIPMENT SHALL BE INSTALLED IN THE CITY OF ALBUQUERQUE RIGHT-OF-WAY.
- LIGHT STANDARDS SHALL INCORPORATE DIRECT ANCHOR BASE/BREAKAWAY COUPLINGS.
- ALL ROADWAY LIGHTING CIRCUITS ON THIS PROJECT SHALL BE 240 VOLTS.
- ALL PULL BOXES INSTALLED FOR ROADWAY, OVERHEAD SIGN STRUCTURES, OR PEDESTRIAN LIGHTING SHALL BE STANDARD.
- REWIRING OF EXISTING LUMINAIRES TO REMAIN, TO BE REMOVED AND RESET, AND CONNECTIONS TO NEW CIRCUITS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- EACH TIME A ROADWAY LUMINAIRE, OVERHEAD SIGN LUMINAIRE, UNDERPASS LUMINAIRE OR ORNAMENTAL (PEDESTRIAN) LUMINAIRE IS TURNED ON OR OFF THE CONTRACTOR SHALL COORDINATE WITH THE FOLLOWING REPRESENTATIVES:  
PNM - BRENT WARREN - (505) 241-3383  
CITY OF ALBUQUERQUE - MARTIN CARRASCO - (505) 857-8684  
POWER SHALL NEITHER BE TURNED ON OR OFF UNTIL RESPONSIBLE PARTIES FOR EACH LIGHTING SYSTEM HAVE BEEN NOTIFIED.
- ALL SINGLE CONDUCTOR #10 ALUMINUM WIRES CONNECTING THE MAIN CIRCUIT WIRING TO CORRESPONDING LUMINAIRES SHALL BE CONSIDERED INCIDENTAL TO COST OF POLES. ALL WIRING IN CONDUIT SHALL BE ALUMINUM.
- THE CONTRACTOR SHALL PAY FOR COSTS FOR PNM TO PROVIDE POWER SERVICE. THESE COSTS WILL BE INCIDENTAL TO CONSTRUCTION.
- ALL LIGHTING CONTROL CABINETS SHALL INCLUDE PHOTO ELECTRIC CELLS.
- LIGHTING CONTROL CABINETS SHALL BE 5 CIRCUIT, UNMETERED - (SEE SHEET 25 FOR LOCATION).
- ANY LUMINAIRES DAMAGED DURING REMOVING AND RESETTING OF LIGHTING STANDARDS SHALL BE REPLACED IN KIND AT CONTRACTOR'S EXPENSE.
- DESIGN IS BASED ON CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS AND STREET LIGHTING CONSTRUCTION NOTES (01/25/2011). ELECTRICAL CIRCUIT LOAD COMPUTATIONS ARE PROVIDED ON THE PLAN SHEETS.
- ALL LIGHTING CONTROL CABINETS SHALL BE TESCO (OR APPROVED EQUAL). THE CONTRACTOR SHALL SUBMIT A COPY OF THE LIGHTING PLANS TO THE MANUFACTURER. THE MANUFACTURER SHALL REVIEW PLANS AND MODIFY THE EQUIPMENT IN EACH CABINET AS NECESSARY TO ACCOMMODATE LIGHTING REQUIREMENTS AS SHOWN ON PLANS. THE MANUFACTURER SHALL SUBMIT SHOP DRAWINGS OF EACH CABINET TO THE PROJECT MANAGER AND PNM FOR REVIEW AND APPROVAL PRIOR TO MANUFACTURING OF CABINETS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CABINET AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
- LIGHTING WILL BE COMPLETED WITH CONSTRUCTION PHASING. NEW LIGHTING SHALL BE OPERATIONAL PRIOR TO THE REMOVAL OF TRAFFIC CONTROL IN THE AREA.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES, WHETHER OR NOT IT IS SHOWN OR DETAILED IN THE PLANS OR INSTALLED BY ANOTHER CONTRACTOR. NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BEFORE STARTING ANY WORK. RESTORATION OF UTILITY DAMAGE BY THE CONTRACTOR SHALL BE AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL VERIFY EXISTING SITE INFORMATION INCLUDING BUT NOT LIMITED TO PROPERTY LINES, UTILITIES, CURBS AND GUTTERS, SIDEWALK, AND RIGHT-OF-WAY.
- THE CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED IF IT IS OBVIOUS THAT OBSTRUCTIONS, DISCREPANCIES AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR DECISION. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- LIGHTS NEAR EXISTING OVERHEAD TRANSMISSION LINES MUST MAINTAIN 20' VERTICAL CLEARANCE AND/OR 14' HORIZONTAL CLEARANCE FROM THE CLOSEST PHASE CONDUCTOR. COORDINATE WITH BRENT WARREN OF PNM, WHO WILL ASSIST IN MEASUREMENT AND DETERMINATION OF CLEARANCE.
- ALL CONDUIT INSTALLED IN TRENCH SHALL BE FLAGGED WITH "CAUTION" LOCATABLE (METALIZED) TAPE ONE FOOT ABOVE THE CONDUIT. ALL EMPTY CONDUIT SHALL HAVE A PULL STRING WITH A TRACER WIRE SIZE #10 AWG.
- LABEL EACH STREETLIGHT WITH PNM APPROVED NUMBER WATTAGE TAGS.
- IDENTIFY CABLES IN EACH PULLBOX FOR EACH CIRCUIT.

## LIGHTING GENERAL NOTES (CONTINUED)

- CONTRACT SHALL PROVIDE FIVE (5) FEET OF SLACK AT EACH PULLBOX. COIL EXCESS NEATLY IN BOX. PROVIDE ADDITIONAL 5 FEET AT LIGHT POLES.
- ALL 25' POLES SHALL BE INSTALLED ON FOUNDATIONS PER PNM STANDARD DRAWING B65152.
- ALL PULLBOXES ARE TO BE DESIGNED AND INSTALLED AS PER COA STANDARD DRAWING 2550. NEW PULLBOXES SHALL NOT BE PLACED IN SIDEWALK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING STORM DRAIN CONFLICTS DURING CONSTRUCTION. IN THE CASE OF A CONFLICT BETWEEN CONDUIT OR EQUIPMENT PLACEMENT AND STORM DRAIN, CONTRACTORS SHALL INFORM THE CONSTRUCTION MANAGEMENT TEAM AND THE CITY PROJECT ENGINEER BEFORE PROCEEDING WITH ANY DEVIATIONS FROM PLANS. SHOULD ANY IMPACT OCCUR TO STORM DRAIN PIPE DURING CONSTRUCTION EFFORTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE CITY OF ALBUQUERQUE STORM DRAIN MAINTENANCE TO INSPECT THE IMPACTED PIPE. REPAIRS TO IMPACTED PIPE REQUIRED BY THE CITY OF ALBUQUERQUE STORM DRAIN MANAGEMENT PERSONNEL SHALL BE THE FINANCIAL AND CONSTRUCTION RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

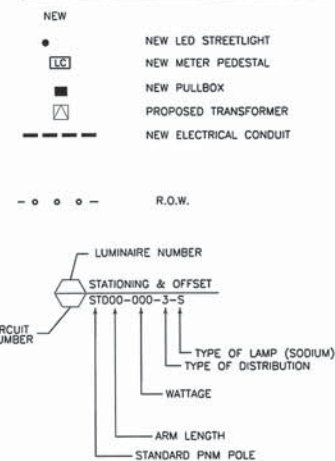
## LIGHTING INCIDENTAL ITEMS

- ANCHOR BOLTS FOR FOUNDATIONS AND ADAPTER PLATES WHERE REQUIRED.
- GROUND RODS FOR FOUNDATIONS (ALL LIGHTING STANDARDS SHALL HAVE A GROUND ROD)
- CONCRETE FOUNDATION FOR LIGHTING CONTROL CABINETS INCLUDING EXCAVATION, BACKFILL, CONCRETE, GROUND RODS, AND ANCHOR BOLTS.
- BREAK-AWAY SYSTEMS FOR LIGHTING STANDARDS.
- SINGLE CONDUCTOR BARE #6 AWG COPPER WIRE CONNECTIONS FROM MAIN CIRCUIT TO LUMINAIRES AS REQUIRED PER NEC CODE.
- CONCRETE COVER FOR PULLBOXES AS SHOWN IN COA STANDARD DRAWING 2550, LATEST DRAWING.
- SINGLE CONDUCTOR #10 AWG COPPER WIRE CONNECTIONS FROM MAIN CIRCUIT TO LUMINAIRES.
- SHOP DRAWING PREPARATION AND COORDINATION FOR LIGHTING CONTROL CABINETS.
- ENERGY COSTS OF THE LIGHTING SYSTEM UNTIL ACCEPTANCE BY THE MAINTAINING AGENCY.

## STREETLIGHT POLE, MOUNTING, AND LUMINAIRE NOTES

- STREET LIGHT POLE SHALL CONFORM TO PNM STANDARD SPECIFICATION SL1 (REV. 13) AND PNM STANDARD DRAWING B65152. MOUNTING HEIGHT SHALL BE 25 FEET.
- STANDARD PNM POLE DESCRIBED IN NOTE 1 SHALL INCORPORATE THE PNM STANDARD 6-FOOT TAPERED LIGHTING ARM AND LUMINAIRE PER PNM STANDARD SPECIFICATION SL1 AND STANDARD DRAWING A65278.

## LEGEND:



**TY LIN INTERNATIONAL**  
engineers | planners | scientists  
500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102



**CITY OF ALBUQUERQUE**  
MUNICIPAL DEVELOPMENT DEPARTMENT  
ENGINEERING DIVISION

TITLE: **98TH STREET ROADWAY IMPROVEMENTS**  
**PHASE 1**  
STREET LIGHTING - GENERAL NOTES

|   |   |             |             |
|---|---|-------------|-------------|
| Design Review Committee                                   | City Engineer Approval                          | Mo./Day/Yr. | Mo./Day/Yr. |
| <b>APPROVED</b><br>MAR 10 2015<br>DESIGN REVIEW COMMITTEE | <b>APPROVED</b><br>MAR 10 2015<br>CITY ENGINEER |             |             |
| City Project No.  | Zone Map No.                                    | Sheet       | Of          |

6795.91 N9,M9 2-22 23

RECORD DRAWING



FURTHEST LUMINAIRE FROM POWER SOURCE - 353 LF

- \*COORDINATION COMPLETED WITH PNM FOR POWER SOURCE AND METER LOCATION



Two working days before you dig  
CALL NEW MEXICO ONE CALL SYSTEM  
260-1990

500 4th Street NW Suite 403  
Bank of America Centre  
Albuquerque, NM 87102

CITY OF ALBUQUERQUE  
MUNICIPAL DEVELOPMENT DEPARTMENT  
ENGINEERING DIVISION  
FH STREET ROADWAY IMPROVEMENTS  
PHASE 1  
STREET LIGHTING - GIBSON BOULEVARD

DR

|       |    |
|-------|----|
| Sheet | Of |
| 2-23  | 23 |

| ENGINEER'S SEAL   |      | SURVEY INFORMATION |    | BENCH MARKS  |  | AS BUILT INFORMATION |  |
|---|------|--------------------|----|--|--|----------------------|--|
|   |      | FIELD NOTES        |    |  |  |                      |  |
|   |      | NO.                | BY | DATE   |  | DATE                 |  |
| NO.   | DATE | REMARKS            | BY |  |  |                      |  |
| DESIGNED BY: JORBY/PBYRD DATE: 02/19/2013   |      |                    |    |  |  |                      |  |
| DRAWN BY: JORBY/PBYRD DATE: 02/19/2013  |      |                    |    |  |  |                      |  |
| CHECKED BY: PBYRD DATE: 02/19/2013  |      |                    |    |  |  |                      |  |
| <div style="text-align: center;">  <p>01/13/2015</p> </div> |      |                    |    | <p>THE MONUMENT IS A COA 3 1/4" ALUMINUM CAP. STAMPED "3-N10". SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BLVD. SW. AND BLAKE RD SW. STATION IS LOCATED 25.4' NORTH OF CENTERLINE OF BLAKE RD SW. AND 92.0' WEST OF CENTERLINE OF UNSER BLVD SW.</p> |  |                      |  |
|   |      |                    |    | <p>CONTRACTOR: WORKED BY: INSPECTED BY: ACCEPTANCE BY: DRAWN BY: SIGNED BY: MICRO-FILM INFORMATION: RECORDED BY: DATE: NO.</p>   |  |                      |  |