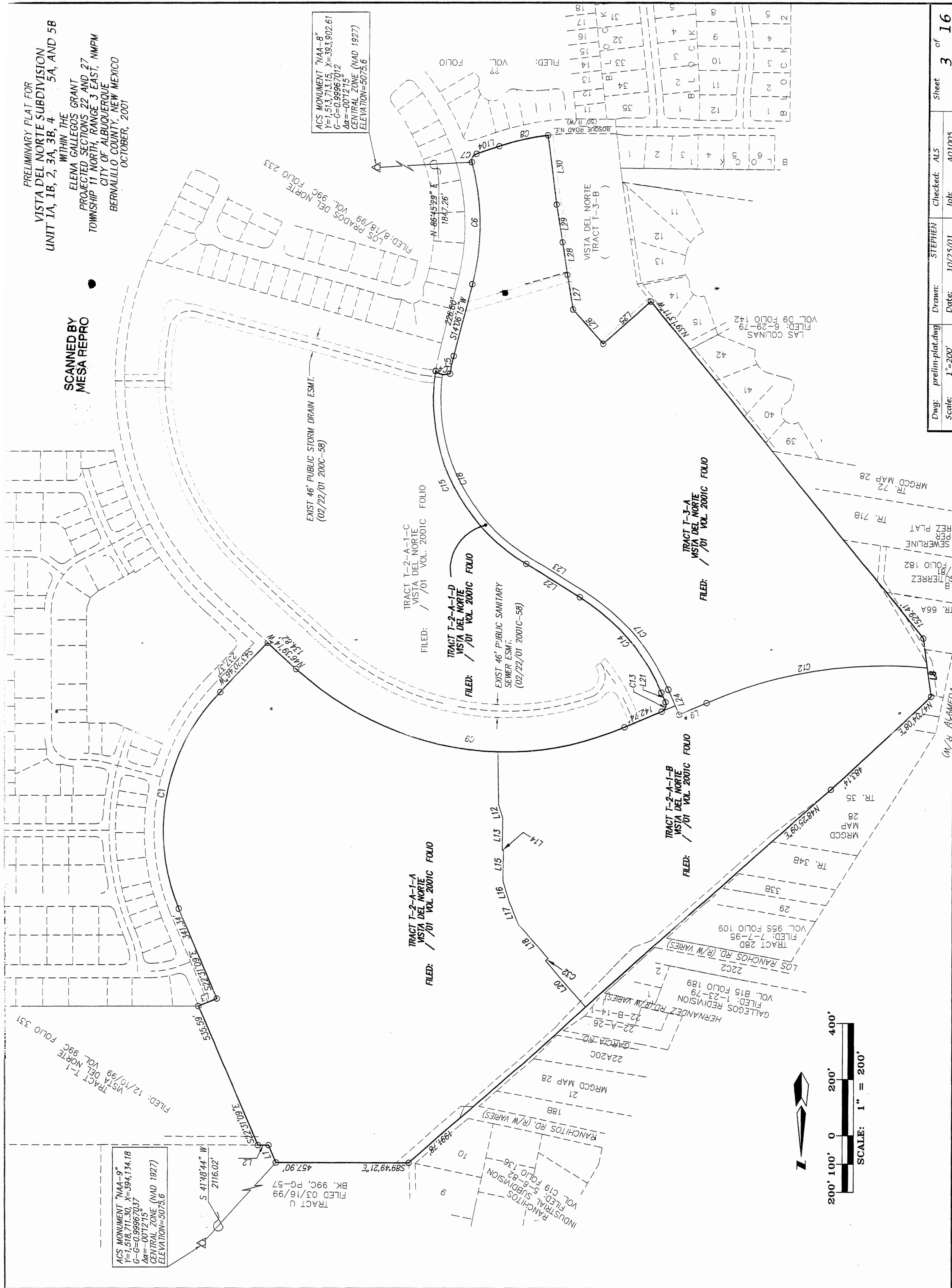






PRELIMINARY PLAT FOR  
VISTA DEL NORTE SUBDIVISION  
UNIT 1A, 1B, 2, 3A, 3B, 4, 5A, AND 5B  
WITHIN THE  
ELENA GALLEGOS GRANT  
PROJECTED SECTIONS 22 AND 27  
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM  
CITY OF ALBUQUERQUE  
BERNALILLO COUNTY, NEW MEXICO  
OCTOBER, 2001

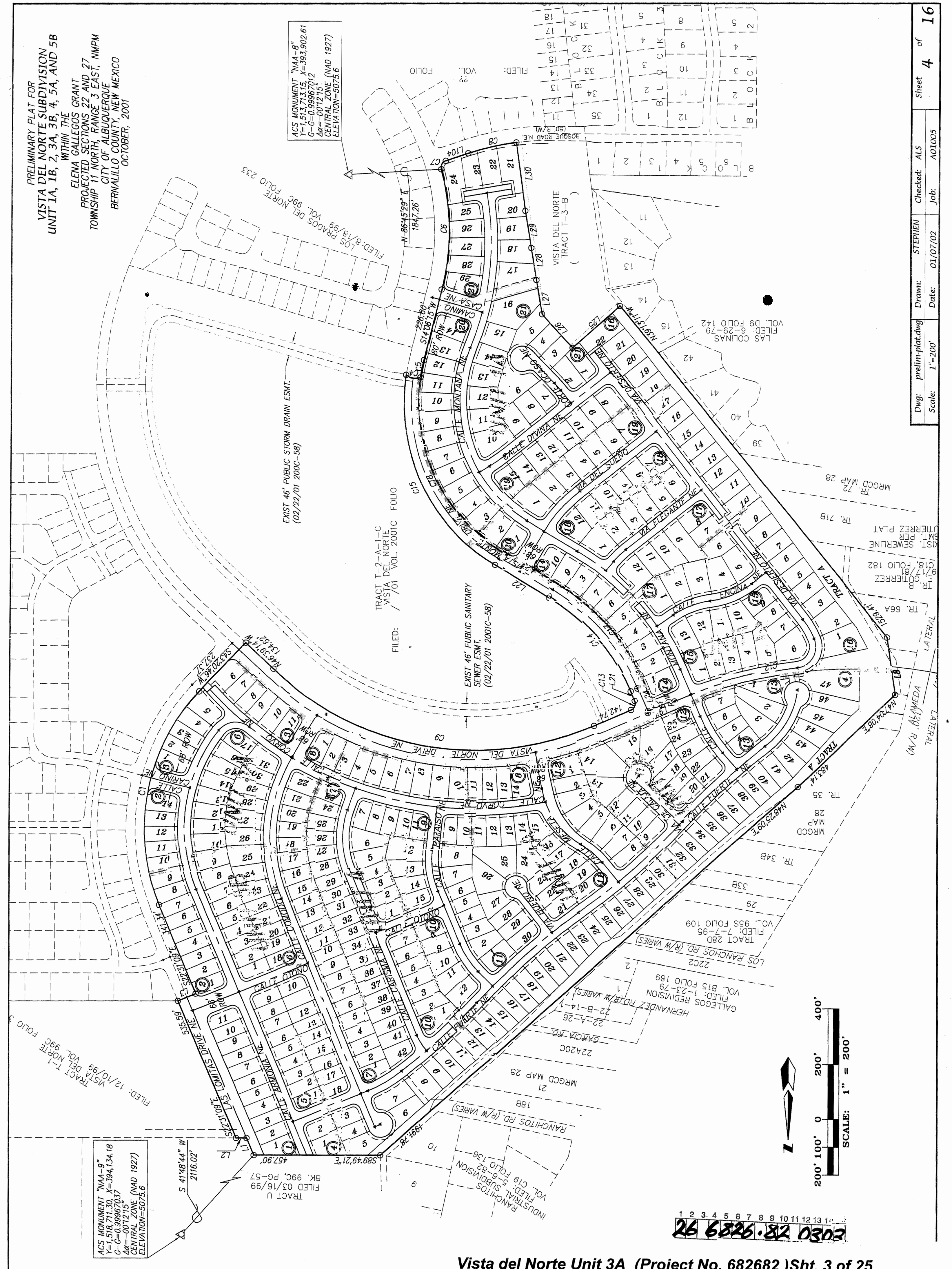
SCANNED BY  
MESA REPRO



|        |                 |        |          |          |        |       |         |
|--------|-----------------|--------|----------|----------|--------|-------|---------|
| Dwg:   | prelim-plat.dwg | Drawn: | STEPHEN  | Checked: | ALS    | Sheet | 3 of 16 |
| Scale: | 1"=200'         | Date:  | 10/25/01 | Job:     | 401005 |       |         |

97

PRELIMINARY PLAT FOR  
VISTA DEL NORTE SUBDIVISION  
UNIT 1A, 1B, 2, 3A, 3B, 4, 5A, AND 5B  
WITHIN THE  
ELENA CALLEGOS GRANT  
PROJECTED SECTIONS 22 AND 27  
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM  
CITY OF ALBUQUERQUE  
BERNALILLO COUNTY, NEW MEXICO  
OCTOBER, 2001



|                       |                |              |               |
|-----------------------|----------------|--------------|---------------|
| Dwg: prelini-plat.dwg | Drawn: STEPHEN | Checked: ALS | Sheet 4 of 16 |
| Scale: 1"=200'        | Date: 01/02/02 | Job: 401005  |               |

16

**Vista del Norte Unit 3A (Project No. 682682 )Sht. 3 of 25**

1

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2:  I^n = 50'
:  prelim-plat.dwg

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|                      |                |              |               |
|----------------------|----------------|--------------|---------------|
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| Scale: 1"=50'        | Date: 12/28/01 | Job: A01005  |               |

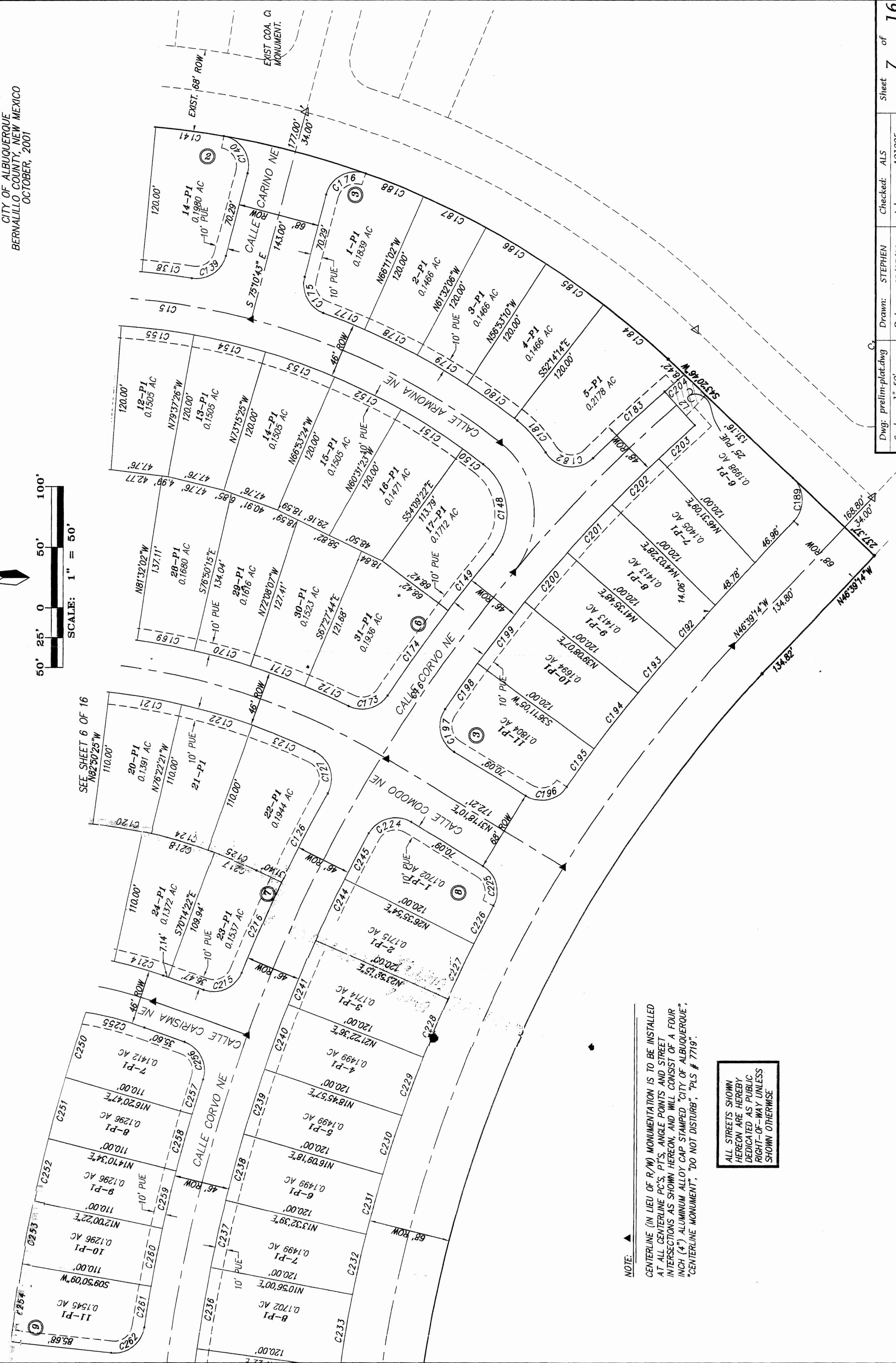
PRELIMINARY PLAT FOR  
VISTA DEL NORTE SUBDIVISION  
UNIT 1A, 1B, 2, 3A, 3B, 4, 5A, AND 5B  
WITHIN THE  
ELENA GALLEGOS GRANT  
PROJECTED SECTIONS 22 AND 27  
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM  
CITY OF ALBUQUERQUE  
BERNALILLO COUNTY, NEW MEXICO  
OCTOBER, 2001

SCANNED BY  
MESA REPRO.



50' 25' 0 50' 100'  
SCALE: 1" = 50'

SEE SHEET 6 OF 16



Dwg: prelin.plat.dwg  
Scale: 1"=50'  
Drawn: STEPHEN  
Checked: ALS  
Job: A01005  
Date: 01/07/02  
Sheet 7 of 16

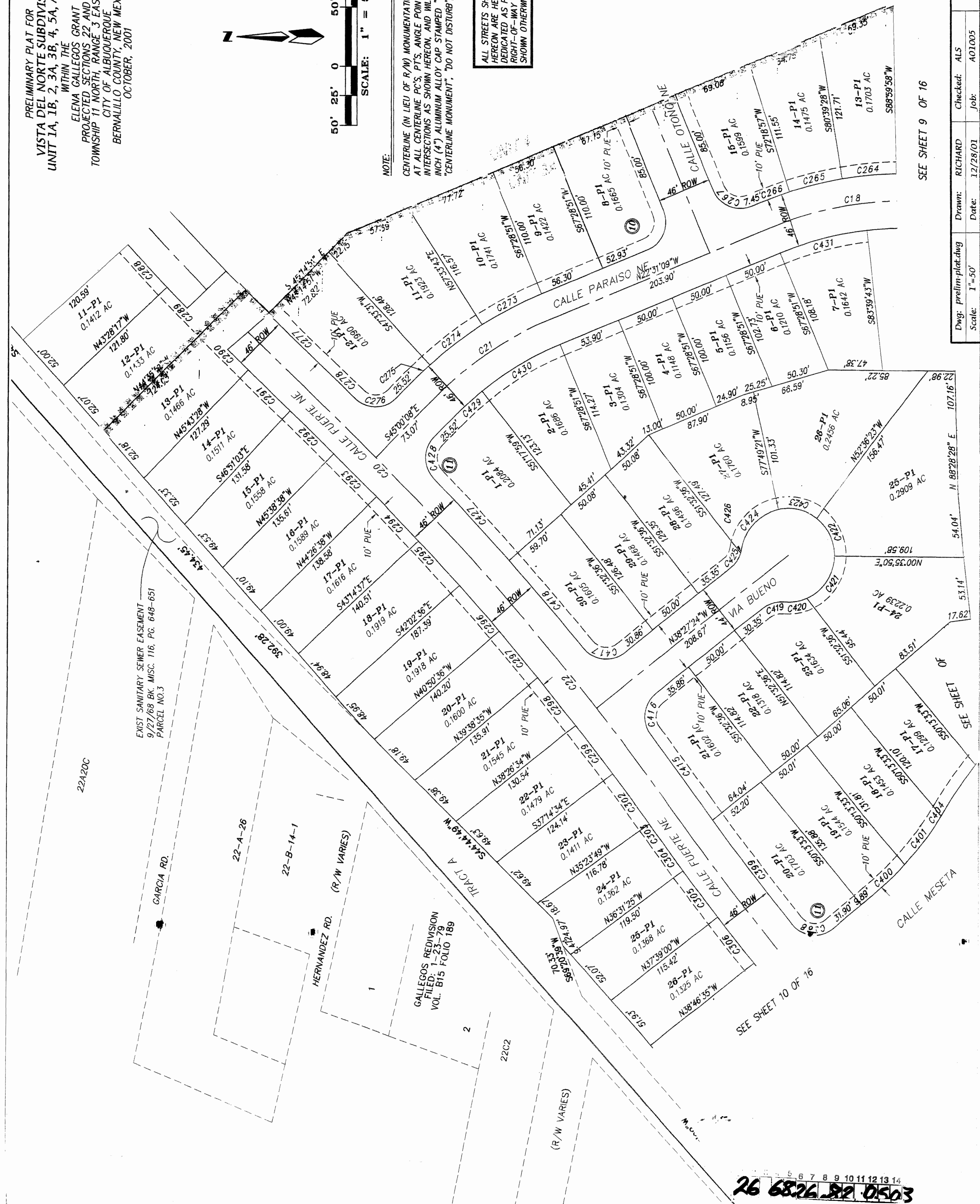
PRELIMINARY PLAT FOR  
VISTA DEL NORTE SUBDIVISION  
UNIT 1A, 1B, 2, 3A, 3B, 4, 5A, AND 5B  
WITHIN THE  
ELENA GALLEGOS GRANT  
PROJECTED SECTIONS 22 AND 27  
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM  
CITY OF ALBUQUERQUE  
BERNALILLO COUNTY, NEW MEXICO  
OCTOBER, 2001



50' 25' 0 50' 100'  
SCALE: 1" = 50'

NOTE:  
CENTERLINE (IN LIEU OF R/W) MONUMENTATION IS TO BE INSTALLED AT ALL CENTERLINE P.C.'S, P.T.'S, ANGLE POINTS AND STREET INTERSECTIONS AS SHOWN HEREON, AND WILL CONSIST OF A FOUR INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE, CENTERLINE MONUMENT", DO NOT DISTURB, PLS # 7719.

ALL STREETS SHOWN  
HEREON ARE HEREBY  
DEDICATED AS PUBLIC  
RIGHT-OF-WAY UNLESS  
SHOWN OTHERWISE.

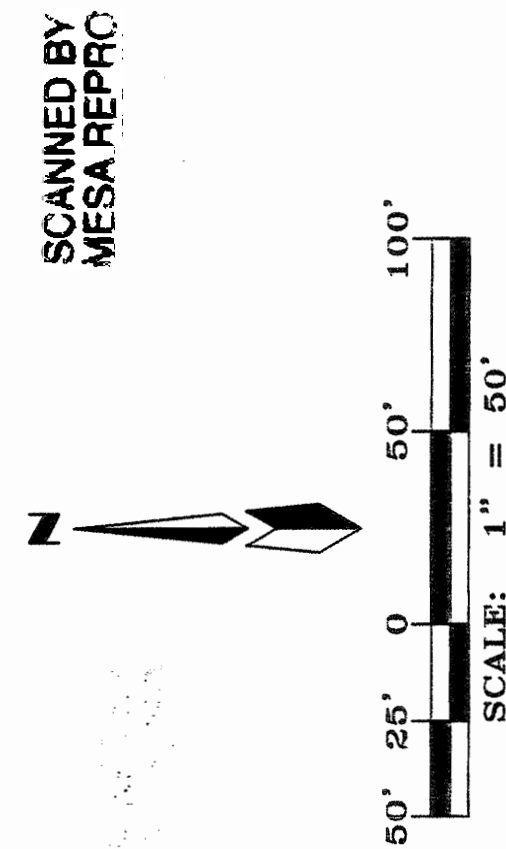


SEE SHEET 9 OF 16

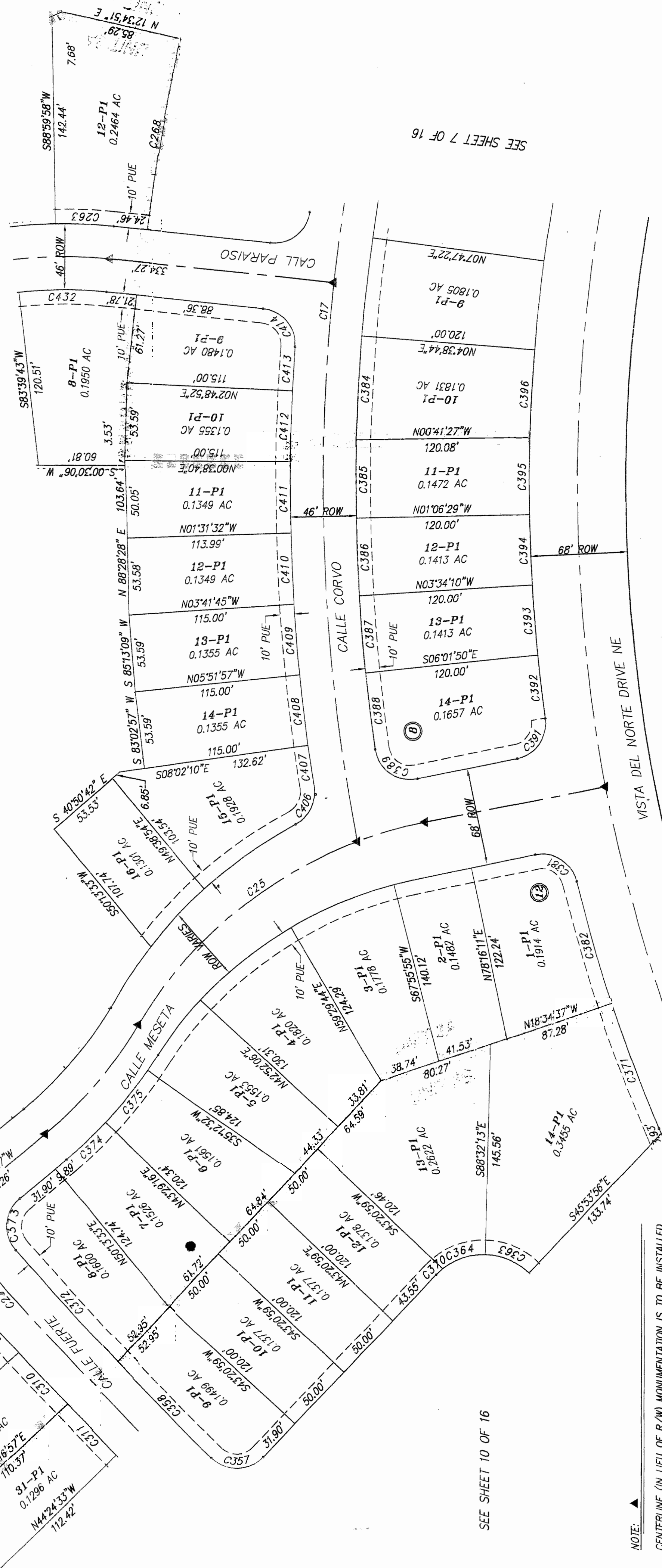
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Drawn: RICHARD  
Checked: ALS  
Job: A01005  
Date: 12/28/01  
Sheet 8 of 16

SCANNED BY  
MESA REPRO

PRELIMINARY PLAT FOR  
VISTA DEL NORTE SUBDIVISION  
UNIT 1A, 1B, 2, 3A, 3B, 4, 5A, AND 5B  
WITHIN THE  
ELENA GALLEGOS GRANT  
PROJECTED SECTIONS 22 AND 27  
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM  
COUNTY OF BERNALILLO, NEW MEXICO  
OCTOBER, 2001



SEE SHEET 8 OF 16

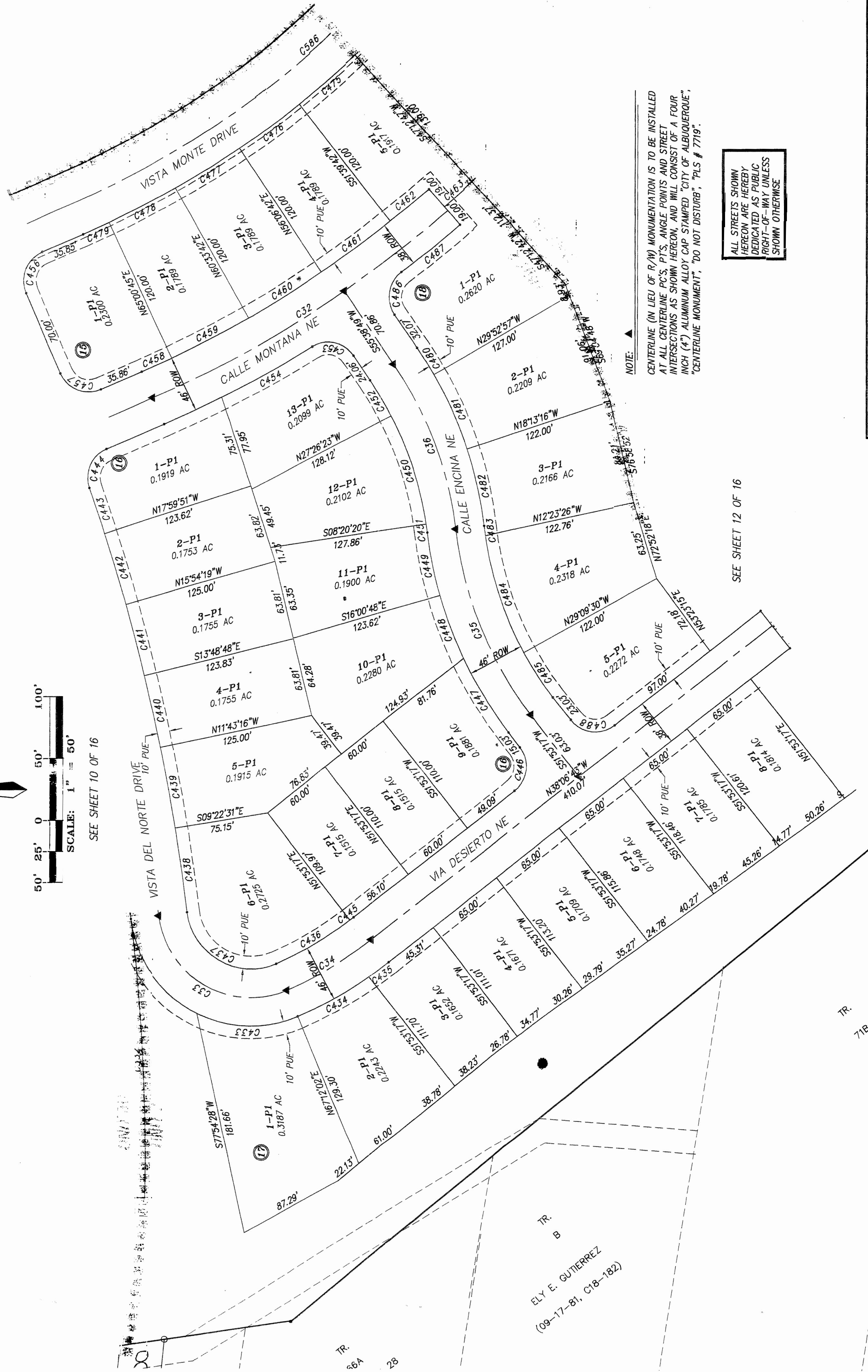


PRELIMINARY PLAT FOR  
VISTA DEL NORTE SUBDIVISION  
UNIT 1A, 1B, 2, 3A, 3B, 4, 5A, AND 5B  
WITHIN THE  
ELENA CALLEGOS GRANT  
PROJECTED SECTIONS 22 AND 27  
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM  
CITY OF ALBUQUERQUE,  
BERNALILLO COUNTY, NEW MEXICO  
OCTOBER, 2001

SCANNED BY  
MESA REPRO

50' 25' 0 50' 100'  
SCALE: 1" = 50'

SEE SHEET 10 OF 16

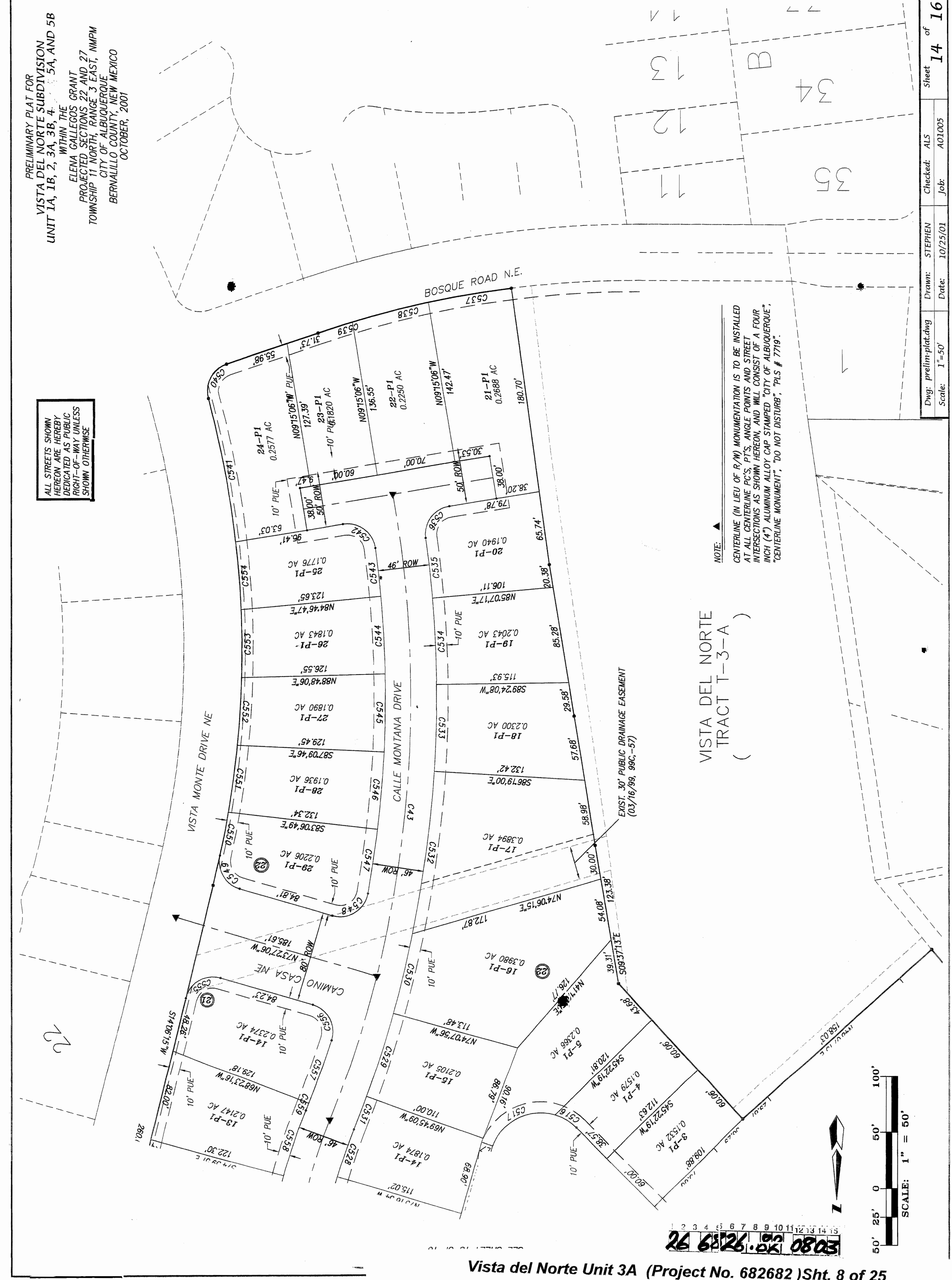
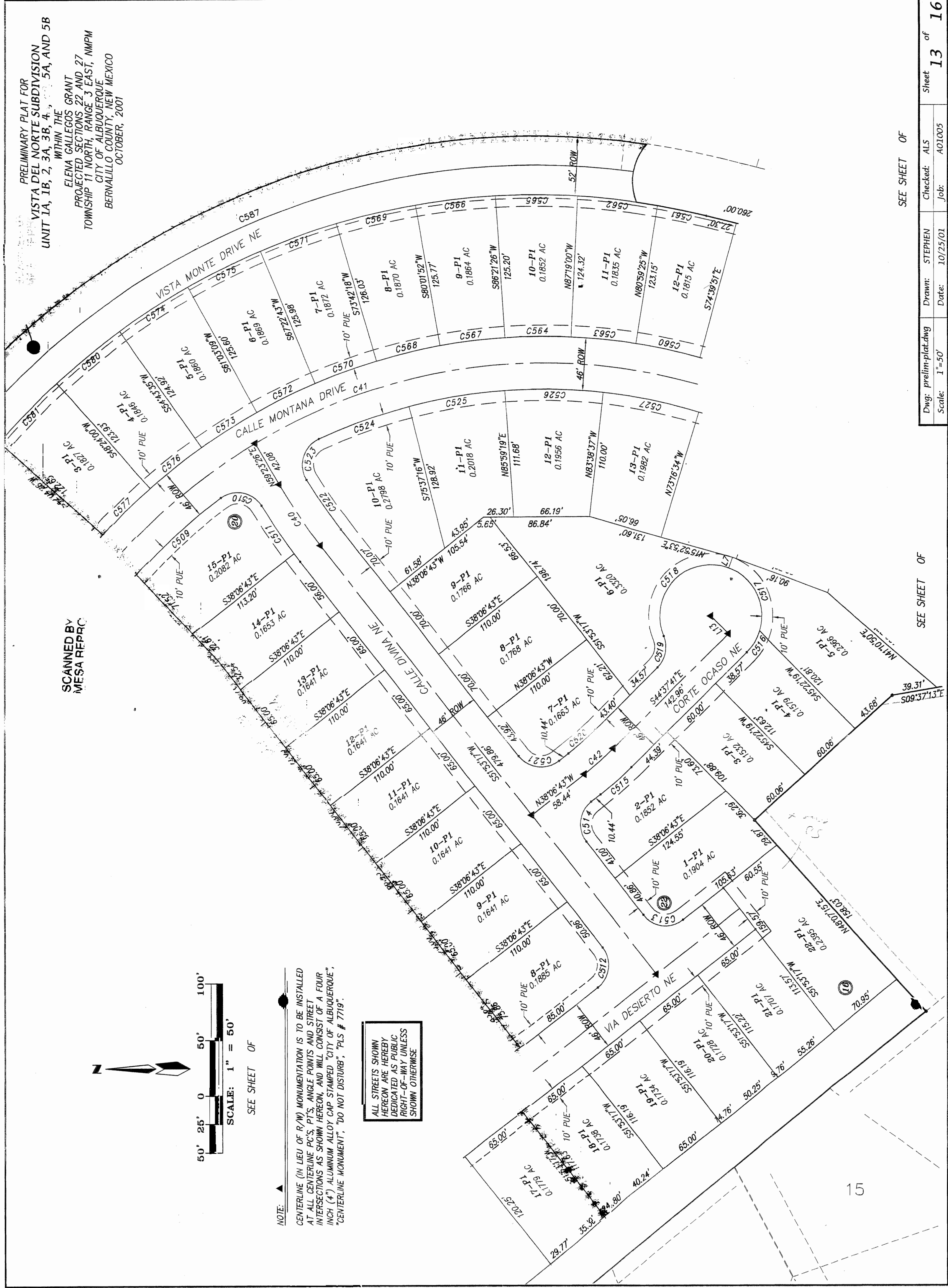


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Date: 10/25/01  
Checked: ALS  
Job: A01005  
Sheet 11 of 16

PRELIMINARY PLAT FOR  
VISTA DEL NORTE SUBDIVISION  
UNIT 1A, 1B, 2, 3A, 3B, 4, 5A, AND 5B  
WITHIN THE  
ELENA CALLEGOS GRANT  
PROJECTED SECTIONS 22 AND 27  
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM  
CITY OF ALBUQUERQUE,  
BERNALILLO COUNTY, NEW MEXICO  
OCTOBER, 2001

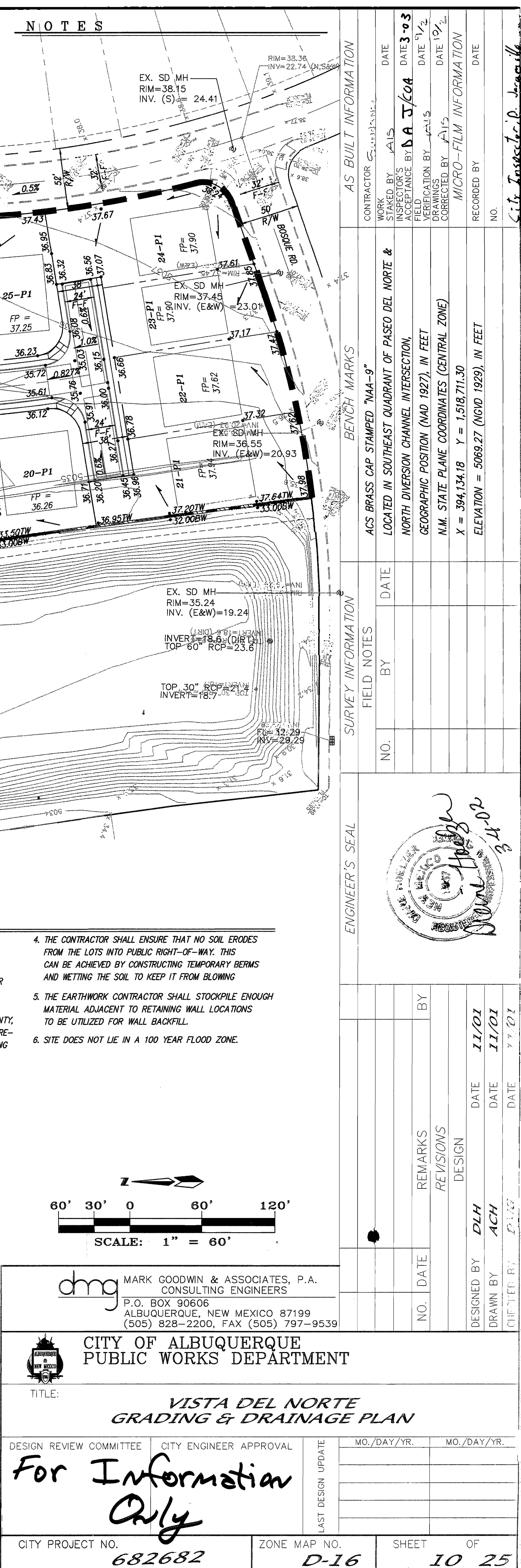


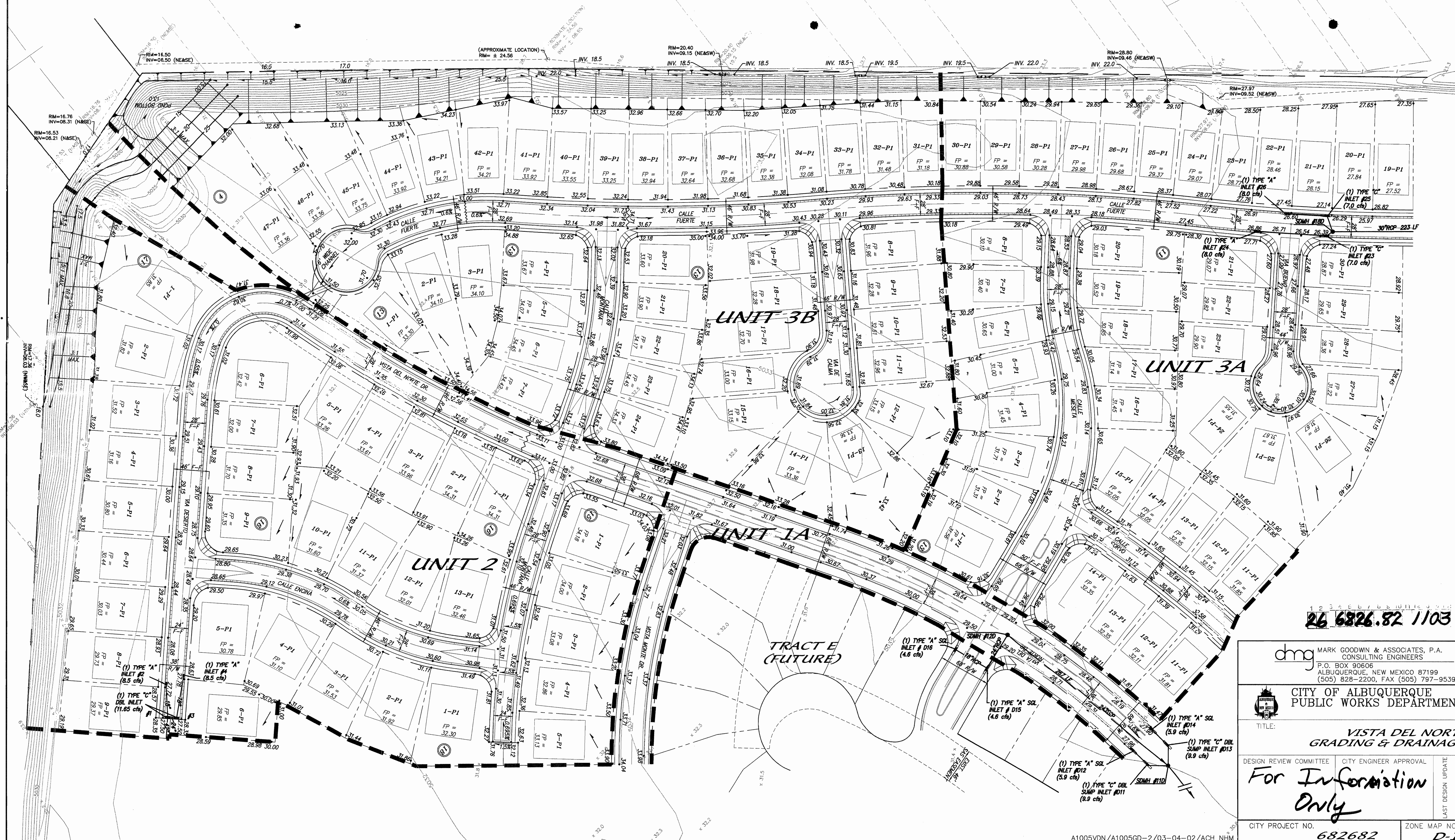
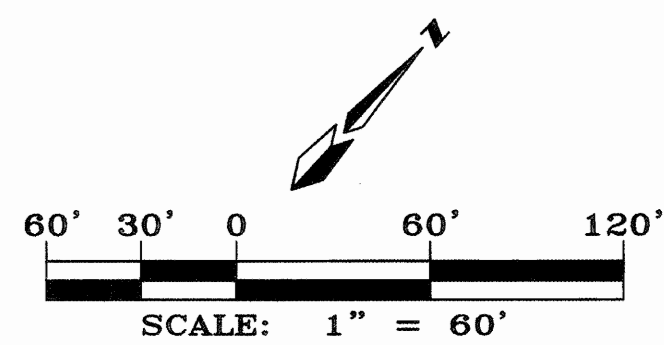
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Drawn: STEPHEN  
Date: 10/25/01  
Checked: ALS  
Job: A01005  
Sheet 12 of 16



PRELIMINARY PLAT FOR  
VISTA DEL NORTE SUBDIVISION  
UNIT 1A, 1B, 2, 3A, 3B, 4, 5A, 5B  
ELEVATING THE  
ELEVATION GRANT  
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM  
CITY OF ALBUQUERQUE  
BERNALILLO COUNTY, NEW MEXICO  
SEPTEMBER, 2001

| CURVE TABLE |        |         |            | CURVE TABLE |             |          |       | CURVE TABLE |         |            |          | CURVE TABLE |          |       |        |         |           |          |             |          |
|-------------|--------|---------|------------|-------------|-------------|----------|-------|-------------|---------|------------|----------|-------------|----------|-------|--------|---------|-----------|----------|-------------|----------|
| CURVE       | LENGTH | RADIUS  | DELTA      | INANGENT    | CH-BEARING= | CH-DIST= | CURVE | LENGTH      | RADIUS  | DELTA      | INANGENT | CH-BEARING= | CH-DIST= | CURVE | LENGTH | RADIUS  | DELTA     | INANGENT | CH-BEARING= | CH-DIST= |
| C11         | 139.13 | 500.00  | 1556°37"   | 70.02       | S59°30'32"W | 138.69   | C141  | 56.83       | 716.00  | 432°52'    | 28.43    | N07°38'52"E | 56.82    | C217  | 35.75  | 433.00  | 443°51'   | 17.89    | N23°04'15"E | 35.74    |
| C12         | 65.03  | 180.00  | 204°02'    | 32.87       | N32°52'10"W | 64.68    | C142  | 58.09       | 716.00  | 438°36'    | 29.06    | N07°35'58"E | 58.08    | C218  | 61.18  | 433.00  | 870°54'   | 30.64    | N06°39'26"E | 61.13    |
| C13         | 221.38 | 300.00  | 42°16'47"  | 116.00      | N01°22'46"W | 216.39   | C143  | 58.09       | 716.00  | 438°36'    | 29.06    | N01°35'58"E | 58.08    | C219  | 63.04  | 433.00  | 870°31'   | 31.58    | N06°28'18"E | 62.99    |
| C14         | 531.68 | 566.00  | 53°49'19"  | 287.28      | N04°23'30"E | 512.35   | C144  | 58.09       | 716.00  | 438°36'    | 29.06    | N06°14'54"W | 58.08    | C220  | 63.04  | 433.00  | 870°31'   | 31.58    | N08°14'54"E | 62.99    |
| C15         | 605.77 | 573.00  | 60°34'21"  | 334.65      | N07°46'01"E | 577.95   | C145  | 58.09       | 716.00  | 438°36'    | 29.06    | N10°33'50"W | 58.08    | C221  | 63.04  | 433.00  | 870°31'   | 31.58    | N08°14'54"E | 62.99    |
| C16         | 509.38 | 1277.00 | 22°51'12"  | 298.12      | N33°03'06"W | 506.01   | C146  | 58.09       | 716.00  | 438°36'    | 29.06    | N15°32'46"W | 58.08    | C222  | 65.79  | 433.00  | 874°22'   | 32.96    | N16°46'09"W | 65.73    |
| C17         | 789.19 | 1277.00 | 34°30'42"  | 396.66      | N63°39'41"E | 757.61   | C147  | 83.20       | 52.00   | 91°40'32"  | 31.11    | N01°38'32"E | 74.61    | C224  | 40.47  | 25.00   | 87°45'06" | 5.28     | N12°48'15"W | 10.56    |
| C18         | 150.32 | 300.00  | 284°43'38" | 76.88       | N08°08'43"W | 148.95   | C148  | 62.21       | 1300.00 | 2°44'30"   | 30.59    | N01°38'32"E | 62.20    | C225  | 38.00  | 25.00   | 92°45'06" | 26.23    | N15°04'23"W | 36.19    |
| C19         | 365.99 | 2500.00 | 87°31'17"  | 183.32      | S47°20'43"W | 365.67   | C149  | 62.21       | 1300.00 | 2°44'30"   | 30.59    | N45°25'23"E | 61.99    | C226  | 30.17  | 1134.00 | 131°27"   | 15.08    | N62°22'38"W | 30.16    |
| C20         | 182.63 | 2500.00 | 41°10'08"  | 91.66       | N45°41'31"E | 182.59   | C150  | 61.12       | 550.00  | 6°22'01"   | 30.59    | N29°40'23"E | 61.99    | C227  | 48.71  | 1134.00 | 227°40'   | 24.36    | N66°22'12"W | 48.71    |
| C21         | 171.72 | 300.00  | 222°58'39" | 59.33       | N33°45'38"W | 116.97   | C151  | 61.12       | 550.00  | 6°22'01"   | 30.59    | N21°16'54"E | 61.09    | C228  | 48.71  | 1134.00 | 227°40'   | 24.36    | N66°43'33"W | 48.71    |
| C22         | 249.42 | 2500.00 | 54°29'58"  | 124.82      | N51°26'12"E | 249.32   | C152  | 61.12       | 550.00  | 6°22'01"   | 30.59    | N16°56'53"E | 61.09    | C229  | 48.71  | 1134.00 | 227°40'   | 24.36    | N69°17'33"W | 48.71    |
| C23         | 494.23 | 2500.00 | 17°30'09"  | 219.18      | S49°31'32"W | 493.63   | C153  | 61.12       | 550.00  | 6°22'01"   | 30.59    | N04°12'51"E | 61.09    | C230  | 48.71  | 1134.00 | 227°40'   | 24.36    | N71°45'13"W | 48.71    |
| C24         | 100.85 | 300.00  | 19°15'00"  | 50.91       | S49°40'17"E | 200.76   | C154  | 61.12       | 550.00  | 6°22'01"   | 30.59    | N02°09'10"W | 61.09    | C231  | 48.71  | 1134.00 | 227°40'   | 24.36    | N74°12'54"W | 48.71    |
| C25         | 313.88 | 300.00  | 59°38'46"  | 173.02      | N28°03'45"W | 299.78   | C155  | 61.12       | 550.00  | 6°22'01"   | 30.59    | N08°31'11"W | 61.09    | C232  | 48.71  | 1134.00 | 227°40'   | 24.36    | N76°24'34"W | 48.71    |
| C26         | 88.19  | 300.00  | 12°38'27"  | 33.23       | S05°24'32"E | 66.05    | C156  | 61.12       | 550.00  | 6°22'01"   | 30.59    | N14°53'13"W | 61.09    | C233  | 58.32  | 1134.00 | 275°42'   | 29.16    | N78°30'24"W | 58.31    |
| C27         | 494.73 | 300.00  | 12°38'27"  | 248.18      | S48°37'32"E | 493.63   | C157  | 61.12       | 550.00  | 6°22'01"   | 30.59    | N14°53'13"W | 61.09    | C234  | 38.00  | 25.00   | 87°45'06" | 26.23    | N82°16'44"E | 36.19    |
| C28         | 402.01 | 2500.00 | 17°10'19"  | 200.48      | N47°32'28"E | 400.76   | C158  | 61.12       | 550.00  | 6°22'01"   | 30.59    | N02°17'41"E | 61.09    | C235  | 38.00  | 25.00   | 87°45'06" | 26.23    | S32°36'17"E | 36.19    |
| C29         | 235.41 | 300.00  | 44°57'30"  | 124.14      | S29°38'45"W | 238.42   | C159  | 39.27       | 35.00   | 90°00'00"  | 25.00    | N67°31'09"W | 35.36    | C236  | 68.13  | 1254.00 | 308°46'   | 34.07    | N79°27'48"W | 68.12    |
| C30         | 153.37 | 300.00  | 17°34'30"  | 77.29       | N32°04'18"W | 152.71   | C160  | 39.27       | 35.00   | 90°00'00"  | 25.00    | N22°28'01"W | 35.36    | C237  | 53.87  | 1254.00 | 227°40'   | 26.94    | N76°34'32"W | 53.86    |
| C31         | 455.91 | 1600.00 | 16°19'22"  | 229.46      | N74°52'38"E | 454.27   | C161  | 39.27       | 35.00   | 90°00'00"  | 25.00    | S27°08'51"W | 28.49    | C238  | 53.87  | 1254.00 | 227°40'   | 26.94    | N74°12'54"W | 53.86    |
| C32         | 282.83 | 910.00  | 17°37'59"  | 142.54      | S32°06'02"E | 281.71   | C162  | 48.34       | 588.00  | 442°08'    | 24.18    | N12°31'46"W | 48.33    | C239  | 53.87  | 1254.00 | 227°40'   | 26.94    | N74°12'54"W | 53.86    |
| C33         | 138.54 | 75.00   | 105°50'17" | 99.24       | S30°07'11"W | 119.67   | C163  | 48.34       | 588.00  | 442°08'    | 24.18    | N12°31'46"W | 48.33    | C240  | 53.87  | 1254.00 | 227°40'   | 26.94    | N69°17'33"W | 53.86    |
| C34         | 80.18  | 300.00  | 15°18'45"  | 31.67       | S30°27'20"E | 79.94    | C164  | 48.34       | 588.00  | 442°08'    | 24.18    | N12°31'46"W | 48.33    | C241  | 29.32  | 1282.00 | 107°18'   | 12.65    | N69°17'33"W | 29.32    |
| C35         | 163.38 | 300.00  | 37°12'13"  | 83.77       | S67°29'23"W | 161.37   | C165  | 48.34       | 588.00  | 442°08'    | 24.18    | N03°17'22"W | 48.33    | C242  | 29.32  | 1282.00 | 107°18'   | 12.65    | N69°17'33"W | 29.32    |
| C36         | 143.70 | 300.00  | 27°26'40"  | 60.80       | N69°22'09"E | 142.33   | C166  | 48.34       | 588.00  | 442°08'    | 24.18    | N03°17'22"W | 48.33    | C243  | 29.32  | 1282.00 | 107°18'   | 12.65    | N69°17'33"W | 29.32    |
| C37         | 61.03  | 266.18  | 133°08'15" | 30.65       | N45°19'09"E | 60.90    | C167  | 48.34       | 588.00  | 442°08'    | 24.18    | N06°16'24"E | 48.33    | C244  | 29.32  | 1282.00 | 107°18'   | 12.65    | N68°43'33"W | 29.32    |
| C38         | 229.77 | 910.00  | 141°30'30" | 115.49      | S51°49'16"E | 229.17   | C168  | 48.34       | 588.00  | 442°08'    | 24.18    | N10°49'02"E | 48.33    | C245  | 37.27  | 1254.00 | 141°26'   | 18.50    | N67°17'39"W | 37.26    |
| C39         | 69.47  | 530.00  | 20°52'18"  | 38.02       | N41°27'08"E | 192.79   | C169  | 48.34       | 588.00  | 442°08'    | 24.18    | N16°31'17"E | 48.33    | C246  | 37.27  | 1254.00 | 141°26'   | 18.50    | N67°17'39"W | 37.26    |
| C40         | 151.86 | 500.00  | 7°30'09"   | 96.78       | S55°38'21"E | 65.42    | C170  | 48.34       | 588.00  | 442°08'    | 24.18    | N16°31'17"E | 48.33    | C247  | 55.93  | 277.00  | 90°00'00" | 25.00    | N64°44'05"W | 55.84    |
| C41         | 706.91 | 500.00  | 81°00'23"  | 427.09      | N18°28'49"W | 649.49   | C171  | 48.34       | 588.00  | 442°08'    | 24.18    | N20°13'19"E | 48.33    | C248  | 98.20  | 277.00  | 17°34'09" | 48.62    | N16°44'05"W | 97.69    |
| C42         | 34.12  | 300.00  | 6°30'58"   | 17.08       | S14°22'12"E | 34.10    | C172  | 39.80       | 588.00  | 335°17"    | 19.91    | N24°30'31"E | 39.79    | C249  | 98.20  | 277.00  | 201°48'   | 49.06    | N04°40'40"W | 97.69    |
| C43         | 570.85 | 1000.00 | 32°42'27"  | 293.44      | S05°40'09"W | 563.13   | C173  | 36.29       | 25.00   | 83°09'40"  | 22.03    | S15°08'10"E | 38.18    | C249  | 148.13 | 1410.00 | 603°36'   | 74.64    | N14°23'21"W | 149.06   |
| C100        | 39.27  | 25.00   | 90°00'00"  | 25.00       | N22°28'51"E | 35.36    | C176  | 36.69       | 25.00   | 84°53'14"  | 22.23    | S82°32'45"W | 33.63    | C251  | 53.40  | 1410.00 | 210°12'   | 26.71    | N74°44'19"W | 56.47    |
| C101        | 39.27  | 25.00   | 90°00'00"  | 25.00       | S67°31'09"E | 35.36    | C177  | 36.69       | 596.00  | 438°42"    | 16.44    | N22°02'37"E | 36.87    | C252  | 53.40  | 1410.00 | 210°12'   | 26.71    | N76°54'32"W | 53.40    |
| C102        | 39.27  | 25.00   | 90°00'00"  | 25.00       | N22°28'51"E | 35.36    | C178  | 48.36       | 596.00  | 438°42"    | 24.19    | N02°18'28"E | 48.34    | C253  | 58.40  | 1410.00 | 240°21'   | 28.71    | N70°04'44"W | 65.76    |
| C103        | 39.27  | 25.00   | 90°00'00"  | 25.00       | N67°31'09"W | 35.36    | C179  | 48.36       | 596.00  | 438°56"    | 24.19    | N30°41'22"E | 48.34    | C254  | 50.27  | 277.00  | 102°56'   | 23.21    | N69°44'19"W | 50.21    |
| C104        | 39.27  | 25.00   | 90°00'00"  | 25.00       | N22°28'51"E | 35.36    | C180  | 48.36       | 596.00  | 438°56"    | 24.19    | N35°25'19"E | 48.34    | C255  | 36.36  | 25.00   | 87°58'26" | 24.11    | N14°33'40"E | 36.36    |
| C105        | 78.99  | 45.00   | 100°34'05" | 54.17       | N61°17'48"W | 69.23    | C181  | 35.45       | 35.00   | 204°24"    | 17.92    | N35°25'19"E | 35.25    | C257  | 30.36  | 1300.00 | 1201°17'  | 15.18    | N72°50'08"W | 30.36    |
| C106        | 6.67   | 45.00   | 8°29'36"   | 3.14        | N26°45'37"E | 6.66     | C182  | 45.37       | 25.00   | 102°58'59" | 30.28    | N48°22'53"E | 35.25    | C257  | 30.36  | 1300.00 | 1201°17'  | 15.18    | N72°50'08"W | 30.36    |
| C107        | 39.27  | 25.00   | 90°00'00"  | 25.00       | S67°31'09"E | 35.36    | C183  | 102.43      | 1282.00 | 432°33'    | 51.24    | N46°36'08"E | 102.40   | C258  | 49.24  | 1300.00 | 210°17'   | 24.62    | N74°44'19"W | 49.24    |
| C108        | 39.27  | 25.00   | 90°00'00"  | 25.00       | S22°28'51"E | 35.36    | C184  | 68.71       | 716.00  | 439°50'    | 24.91    | N40°33'16"E | 68.70    | C259  | 49.24  | 1300.00 | 210°17'   | 24.62    | N76°34'32"W | 49.24    |
| C109        | 39.27  | 25.00   | 90°00'00"  | 25.00       | S22°28'51"E | 35.36    | C185  | 36.09       | 716.00  | 439°56'    | 24.91    | N35°28'18"E | 36.08    | C260  | 34.74  | 1300.00 | 210°17'   | 24.62    | N74°44'19"W | 34.74    |
| C110        | 36.10  | 543.00  | 348°32'    | 36.09       | N20°36'53"W | 36.09    | C186  | 56.09       | 716.00  | 439°56'    | 29.06    | N35°28'18"E | 56.08    | C261  | 36.36  | 25.00   | 87°58'26" | 24.11    | N80°55'47"W | 34.74    |
| C111        | 81.29  | 543.00  | 628°03'    | 30.68       | N16°28'36"W | 61.26    | C187  | 56.09       | 716.00  | 439°56'    | 29.06    | N20°42'22"E | 56.08    | C262  | 36.36  | 25.00   | 87°58'26" | 24.11    | N80°55'47"W | 34.74    |
| C112        | 81.29  | 543.    |            |             |             |          |       |             |         |            |          |             |          |       |        |         |           |          |             |          |





**dmg** MARK GOODWIN & ASSOCIATES, P.A.  
CONSULTING ENGINEERS  
P.O. BOX 90606  
ALBUQUERQUE, NEW MEXICO 87199  
(505) 828-2200, FAX (505) 797-9539

 CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE: ***VISTA DEL NORTE  
GRADING & DRAINAGE PLAN***

|                         |                        |      |             |             |
|-------------------------|------------------------|------|-------------|-------------|
| DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | DATE | MO./DAY/YR. | MO./DAY/YR. |
|                         |                        |      |             |             |

For Tax Consideration

7. formation

21

Only

\_\_\_\_\_

CITY PROJECT NO. 682682 ZONE

682682

|                              |            |      |         |
|------------------------------|------------|------|---------|
| AS BUILT INFORMATION         |            |      |         |
| CONTRACTOR                   | Sundt Inc. | DATE | 3-23-04 |
| WORK<br>STAKED BY            | ALS        | DATE | 9-12-02 |
| INSPECTOR'S<br>ACCEPTANCE BY | NAJ/CA     | DATE | 9-12-02 |
| FIELD ACTION BY              | ALS        | DATE | 9-12-02 |
| DRAWINGS                     |            | DATE | 9-12-02 |
| CORRECTED BY                 | ALS        | DATE | 9-12-02 |
| MICRO-FILM INFORMATION       |            |      |         |
| RECORDED BY                  |            | DATE |         |
| NO.                          |            |      |         |
| City Inspector: D. Jaramilla |            |      |         |

BENCH MARKS

ACS BRASS CAP STAMPED "WA-9"

NORTH IN SOUTHEAST QUADRANT OF PASEO DEL NORTE &  
LORIED DIVERSION CHANNEL INTERSECTION.

GEOGRAPHIC POSITION (NAD 1927), IN FEET

N.M. STATE PLANE COORDINATES (CENTRAL ZONE)

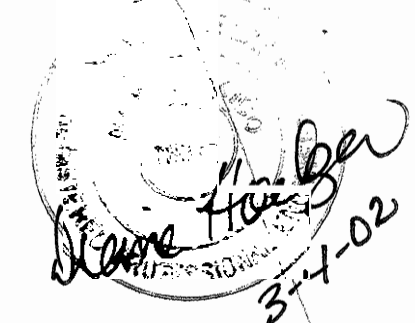
$X = 384,134.18$      $Y = 1,518,711.30$

ELEVATION = 5069.27 (NGVD 1929), IN FEET

[illegible][illegible][illegible]

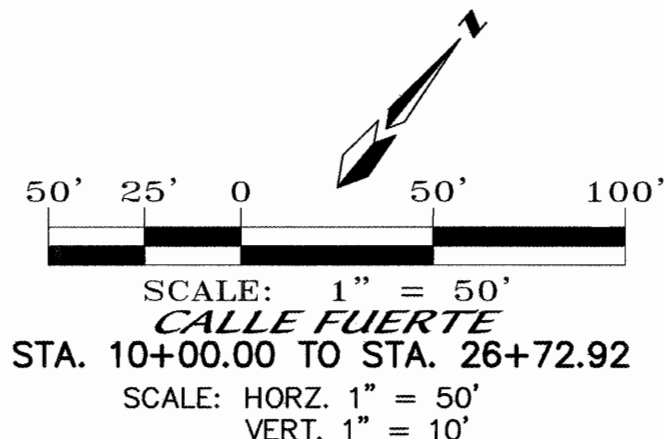
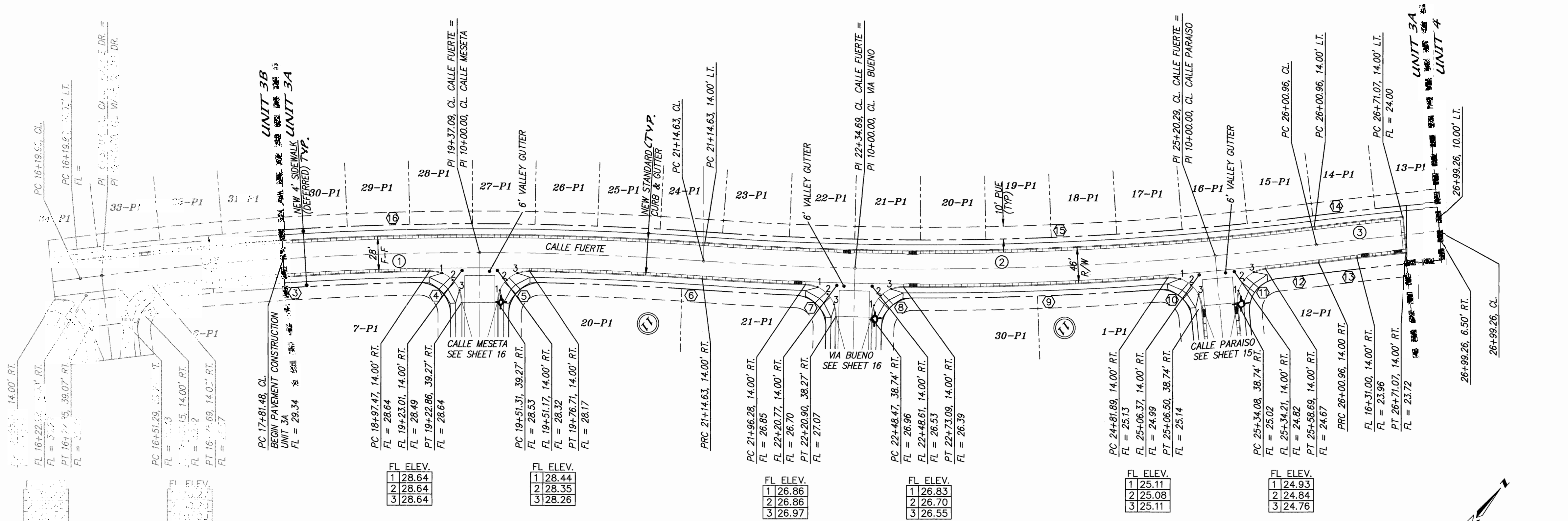
| <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 40%;"> <p><b>DATE</b></p> <p><b>TIME</b></p> <p><b>PLAN</b></p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">MO./DAY/YR.</th> <th style="width: 50%;">MO./DAY/YR.</th> </tr> </thead> <tbody> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> </tbody> </table> </div> </div> |               | MO./DAY/YR. | MO./DAY/YR. |  |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|-------------|--|--|--|--|--|--|--|--|--|--|
| MO./DAY/YR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MO./DAY/YR.   |             |             |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |             |             |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |             |             |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |             |             |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |             |             |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |             |             |  |  |  |  |  |  |  |  |  |  |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SHEET      OF | 11 25       |             |  |  |  |  |  |  |  |  |  |  |

1. *Chlorophyll a* (mg/g)





SCANNED BY  
MESA REPRO



UNIT 3B  
(FUTURE)

THIS PROJECT

17+81.48, LT. & RT.  
FL = 29.34  
FL = BEGIN PAVEMENT - UNIT 3A, FL = 29.34

16+76.49, LT. & RT.  
FL = 29.97

NEW FL SLOPE LT. & RT. = -0.6%

NEW PROPOSED GRADE @ CL

25+58.69, RT. NO. VC  
GRADE BREAK  
FL = 24.67

NEW FL SLOPE LT. = -0.62%

26+31.00, RT. NO. VC  
GRADE BREAK  
FL = 23.96

NEW FL SLOPE LT. = -0.6%

26+71.00, LT.  
FL = 24.00

#### NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. ALL SIDEWALKS ARE DEFERRED.

#### CURVE DATA - DESCRIBES FACE OF CURB

|                                                                                    |                                                                                    |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| ① $\Delta = 89^{\circ}3'41''$<br>$R = 25.00'$<br>$L = 35.22'$<br>$T = 24.53'$      | ② $\Delta = 90^{\circ}54'29''$<br>$R = 25.00'$<br>$L = 39.67'$<br>$T = 25.40'$     |
| ③ $\Delta = 50^{\circ}3'36''$<br>$R = 2486.00'$<br>$L = 219.54'$<br>$T = 109.85'$  | ④ $\Delta = 90^{\circ}54'29''$<br>$R = 25.00'$<br>$L = 39.67'$<br>$T = 25.40'$     |
| ⑤ $\Delta = 90^{\circ}54'29''$<br>$R = 25.00'$<br>$L = 39.67'$<br>$T = 25.40'$     | ⑥ $\Delta = 30^{\circ}40'$<br>$R = 2486.00'$<br>$L = 42.37'$<br>$T = 68.60'$       |
| ⑦ $\Delta = 89^{\circ}07'12''$<br>$R = 25.00'$<br>$L = 38.89'$<br>$T = 24.62'$     | ⑧ $\Delta = 89^{\circ}07'12''$<br>$R = 25.00'$<br>$L = 38.89'$<br>$T = 24.62'$     |
| ⑨ $\Delta = 4^{\circ}47'07''$<br>$R = 2514.00'$<br>$L = 208.97'$<br>$T = 105.04'$  | ⑩ $\Delta = 89^{\circ}07'12''$<br>$R = 25.00'$<br>$L = 38.89'$<br>$T = 24.62'$     |
| ⑪ $\Delta = 89^{\circ}07'12''$<br>$R = 25.00'$<br>$L = 38.89'$<br>$T = 24.62'$     | ⑫ $\Delta = 0^{\circ}58'07''$<br>$R = 2514.00'$<br>$L = 42.50'$<br>$T = 21.25'$    |
| ⑬ $\Delta = 1^{\circ}36'25''$<br>$R = 2486.00'$<br>$L = 69.72'$<br>$T = 34.86'$    | ⑭ $\Delta = 97^{\circ}28'$<br>$R = 2486.00'$<br>$L = 402.41'$<br>$T = 201.64'$     |
| ⑮ $\Delta = 11^{\circ}08'45''$<br>$R = 2486.00'$<br>$L = 483.60'$<br>$T = 242.57'$ | ⑯ $\Delta = 11^{\circ}20'19''$<br>$R = 2514.00'$<br>$L = 497.50'$<br>$T = 249.57'$ |

#### CURVE DATA - DESCRIBES CENTERLINE

|                                                                            |                                                                            |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------|
| ① $\Delta = 11^{\circ}20'19''$<br>$R = 2500.00'$<br>$L = 494.73'$<br>$T =$ | ② $\Delta = 11^{\circ}08'45''$<br>$R = 2500.00'$<br>$L = 486.32'$<br>$T =$ |
| ③ $\Delta = 27^{\circ}11'$<br>$R = 500.00'$<br>$L = 98.31'$<br>$T =$       |                                                                            |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
**26 6826.82 / 1403**

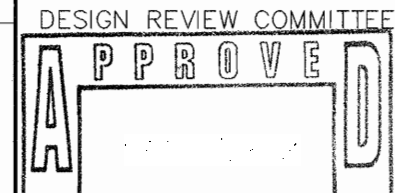


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P.O. BOX 90606  
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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE: **VISTA DEL NORTE - UNIT 3A  
CALLE FUERTE  
PAVING IMPROVEMENTS**



CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

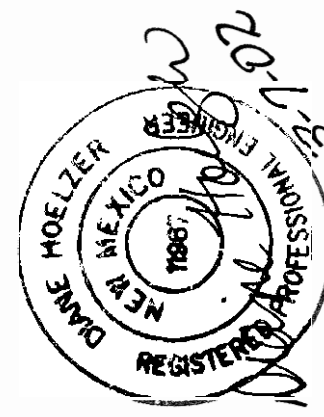
| MO./DAY/YR. | MO./DAY/YR. |
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|             |             |
|             |             |
|             |             |

CITY PROJECT NO.

ZONE MAP NO. SHEET OF

**682682** **D-16** **14 25**

ENGINEER'S SEAL



SURVEY INFORMATION

FIELD NOTES

NO. BY DATE

BENCH MARKS

AKS BRASS CAP STAMPED "M&N-9"

LOCATED IN SOUTHEAST QUADRANT OF PASEO DEL NORTE &

NORTH DIVERSION CHANNEL INTERSECTION,

GEOGRAPHIC POSITION (NAD 1927), IN FEET

N.M. STATE PLANE COORDINATES (CENTRAL ZONE)

X = 394,134.18 Y = 1,518,711.30

ELEVATION = 5069.27 (NAD 1929), IN FEET

AS BUILT INFORMATION

CONTRACTOR

DATE

INSPECTOR'S

DATE

FIELD BY

DATE

VERIFICATION BY

DATE

CORRECTION BY

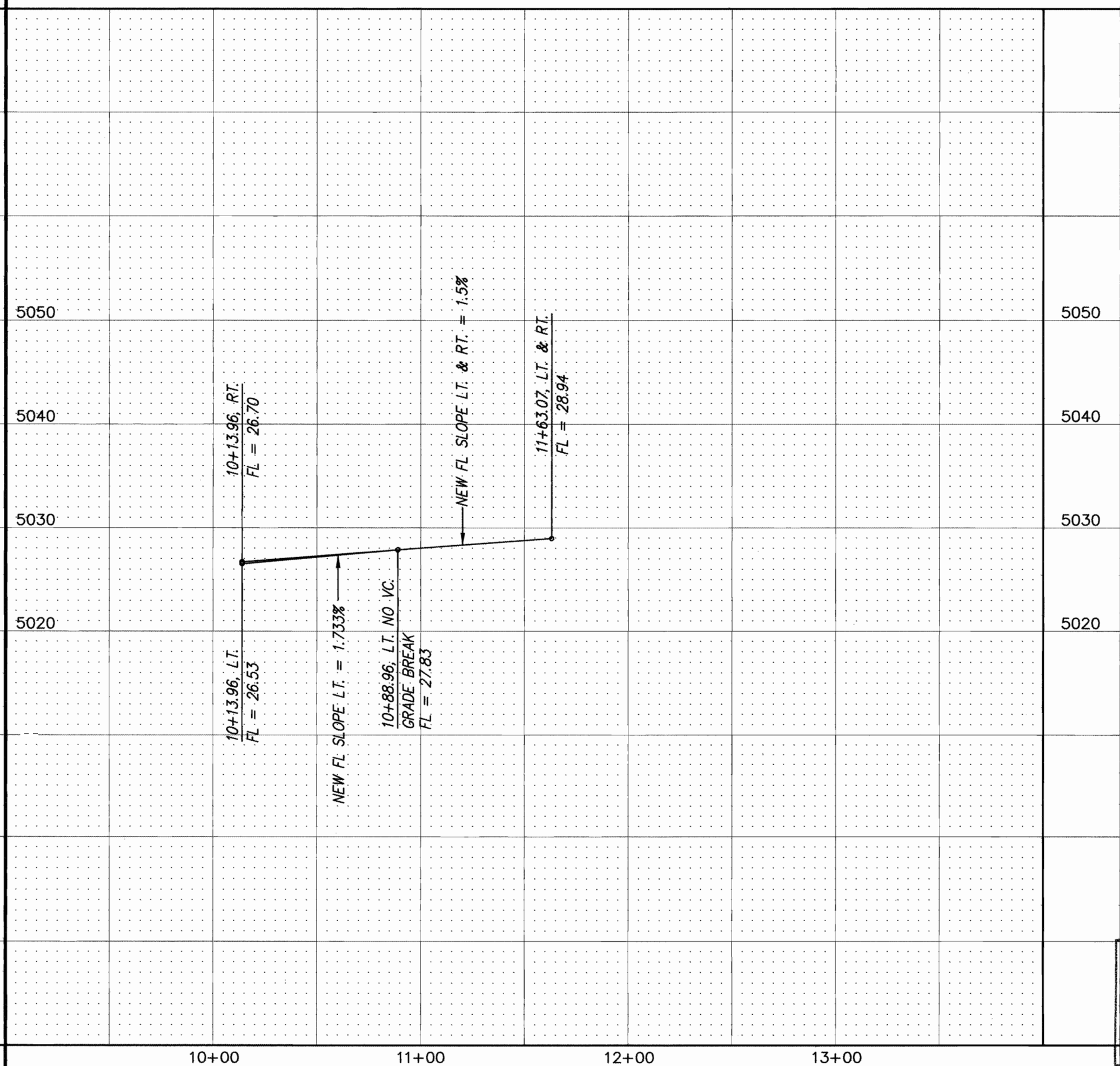
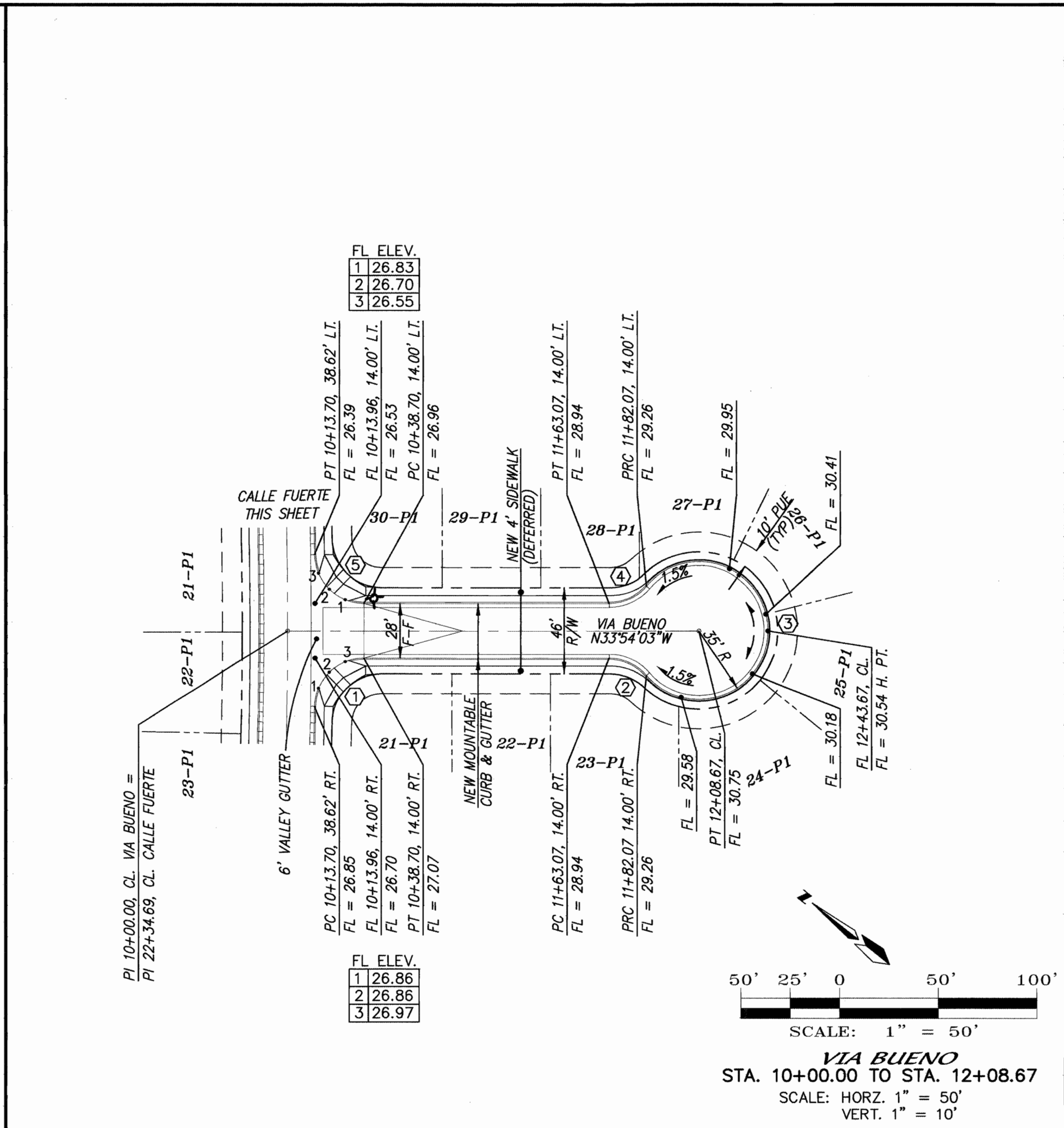
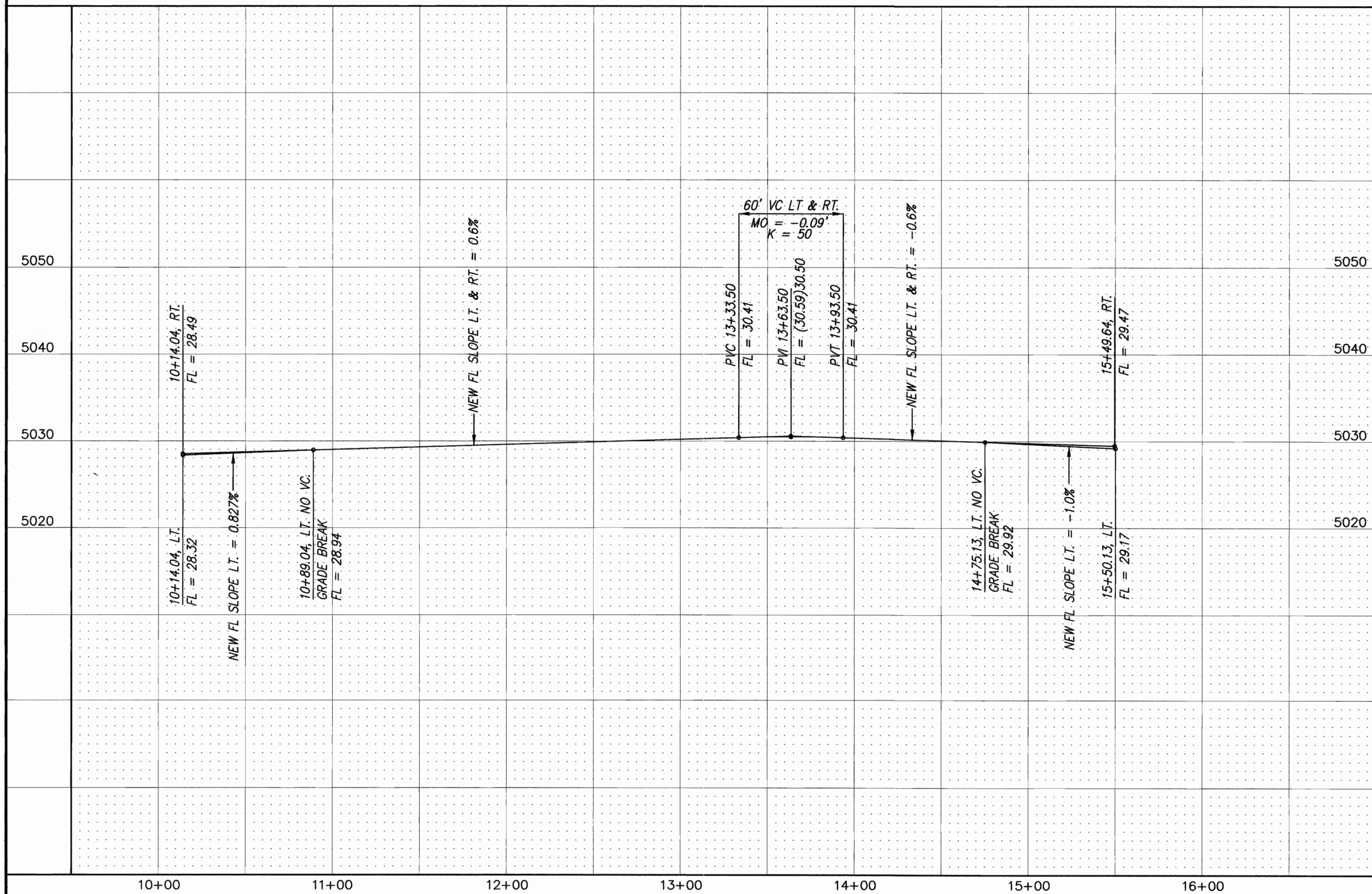
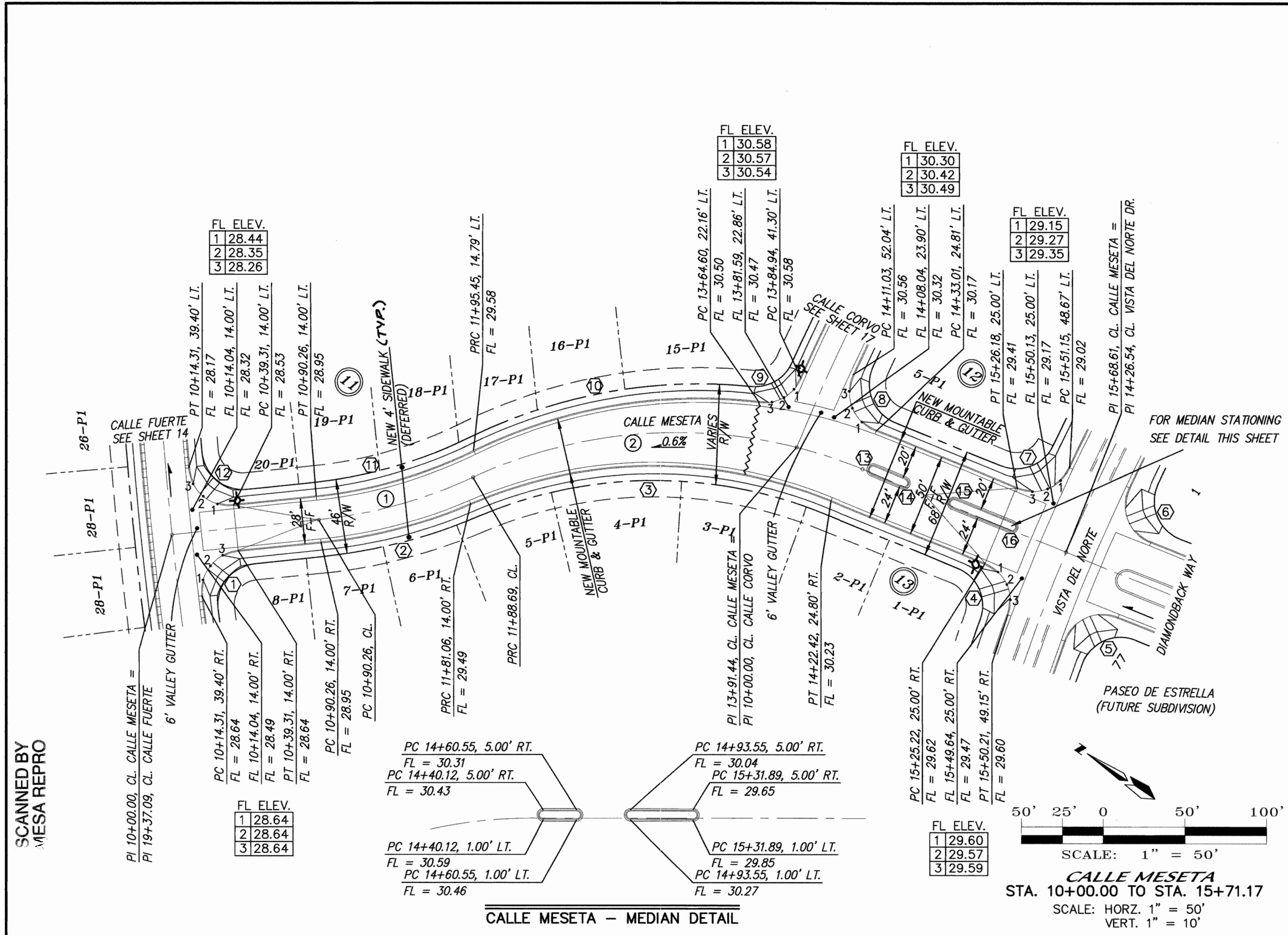
DATE

MICRO-FILM INFORMATION

RECORDED BY

NO.





# NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. ALL SIDEWALKS ARE DEFERRED.

CALLE MESETA  
CURVE DATA - DESCRIBES FACE OF CURB

|                  |                  |
|------------------|------------------|
| ① Δ = 90°54'29"  | ② Δ = 17°20'30"  |
| R = 25.00'       | R = 314.00'      |
| L = 38.67'       | L = 95.04'       |
| T = 25.40'       | T = 47.89'       |
| ③ Δ = 45°23'08"  | ④ Δ = 88°02'48"  |
| R = 286.00'      | R = 25.00'       |
| L = 226.55'      | L = 38.42'       |
| T = 119.59'      | T = 24.16'       |
| ⑤ Δ = 92°06'58"  | ⑥ Δ = 93°18'43"  |
| R = 25.00'       | R = 25.00'       |
| L = 40.19'       | L = 40.72'       |
| T = 25.94'       | T = 26.49'       |
| ⑦ Δ = 86°56'35"  | ⑧ Δ = 94°50'17"  |
| R = 25.00'       | R = 25.00'       |
| L = 37.94'       | L = 41.38'       |
| T = 23.70'       | T = 27.21'       |
| ⑨ Δ = 72°23'08"  | ⑩ Δ = 32°46'21"  |
| R = 25.00'       | R = 314.00'      |
| L = 31.58'       | L = 179.60'      |
| T = 18.29'       | T = 92.33'       |
| ⑪ Δ = 201°3'21"  | ⑫ Δ = 90°54'29"  |
| R = 286.00'      | R = 25.00'       |
| L = 100.94'      | L = 39.67'       |
| T = 51.00'       | T = 25.40'       |
| ⑬ Δ = 180°00'00" | ⑭ Δ = 180°00'00" |
| R = 3.00'        | R = 3.00'        |
| L = 9.42'        | L = 9.42'        |
| T = 3.00'        | T = 3.00'        |
| ⑮ Δ = 180°00'00" | ⑯ Δ = 180°00'00" |
| R = 3.00'        | R = 3.00'        |
| L = 9.42'        | L = 9.42'        |
| T = 3.00'        | T = 3.00'        |

CURVE DATA - DESCRIBES CENTERLINE

|                 |                 |
|-----------------|-----------------|
| ① Δ = 90°04'43" | ② Δ = 15°30'00" |
| R = 75.00'      | R = 300.00'     |
| L = 117.83'     | L = 102.65'     |
| T = 72.10'      | T = 40.82'      |

VIA BUENO  
CURVE DATA - DESCRIBES FACE OF CURB

|                  |                 |
|------------------|-----------------|
| ① Δ = 89°07'12"  | ② Δ = 49°27'30" |
| R = 25.00'       | R = 25.00'      |
| L = 38.89'       | L = 21.58'      |
| T = 24.62'       | T = 11.51'      |
| ③ Δ = 278°55'00" | ④ Δ = 49°27'30" |
| R = 35.00'       | R = 25.00'      |
| L = 170.38'      | L = 21.58'      |
| T = N/A          | T = 11.51'      |
| ⑤ Δ = 89°07'12"  |                 |
| R = 25.00'       |                 |
| L = 38.89'       |                 |
| T = 24.62'       |                 |

26 6826.82 1603

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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE: **VISTA DEL NORTE - UNIT 3A  
CALLE MESETA & VIA BUENO  
PAVING IMPROVEMENTS**



CITY ENGINEER APPROVAL

CITY PROJECT NO.

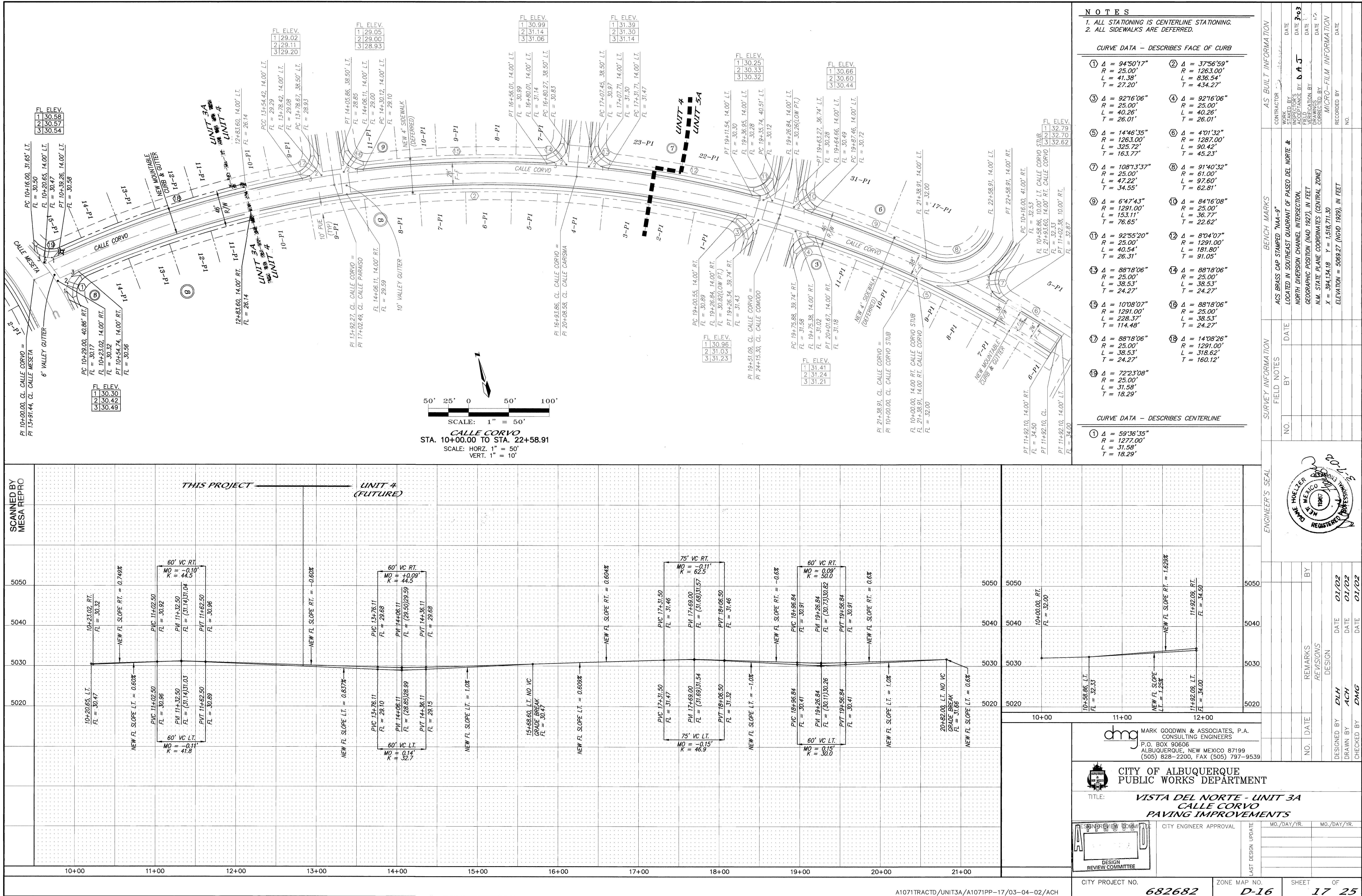
ZONE MAP NO.

SHEET

OF

16 25

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|                                                                                   |                                 |
|-----------------------------------------------------------------------------------|---------------------------------|
|  | MOUNTABLE CURB & GUTTER         |
|  | STANDARD 8' CURB & GUTTER       |
|  | NEW FIRE HYDRANT                |
|  | NEW FIRE HYDRANT                |
|  | LOT 20                          |
|  | GATE VALVE                      |
|  | TEE                             |
|  | BEND                            |
|  | TRACT/LOT BOUNDARY              |
|  | RIGHT OF WAY<br>EASEMENTS       |
|  | PROPOSED WATERLINE              |
|  | PROPOSED SANITARY SEWER         |
|  | CENTERLINE OF ROAD              |
|  | EXISTING CURB AND GUTTER        |
|  | EXISTING SANITARY SEWER MANHOLE |
|  | EXISTING WATER VALVE            |
|  | EXISTING WATERLINE              |
|  | EXISTING FIRE HYDRANT           |
|  | EXISTING STORM SEWER MANHOLE    |
|  | EXISTING SANITARY SEWER         |
|  | EXISTING EDGE OF PAVEMENT       |
|  | 4' SIDEWALK                     |
|  | NEW LOT ADDRESS                 |
|  | NEW STREET LIGHT                |

SCANNED BY  
MESA REPRO

**SANITARY &  
STORM SEWER  
UNIT 3A OFFSITES**

## STORM SEWER AND WATER

UNIT 3A

**VISTA DEL NORTE DR.  
PAVING, SANITARY SEWER,  
STORM SEWER AND WATER  
BUILT WITH PROJECT NO. 682681  
VISTA DEL NORTE UNIT 1A OFFSITES**

1. ALL FIRE HYDRANTS ARE 4' BURY UNLESS OTHERWISE SPECIFIED.

1. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200, FIVE (5) DAYS PRIOR TO NECESSARY SHUT-OFF.
2. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.
3. PRESSURE CONNECTIONS ARE TO BE MADE G.V. (A) at <sup>Now</sup> Calle Meseta and Vista del Norte Drive.

24+69.46 10' RT. (EXISTING)  
1-16"x6" TAPPING SADDLE  
55 LF OF NEW 6" WL  
1-6" GATE VALVE  
1-TYPE B VALVE BOX  
UNPAVED

**CALLE COMODO  
STORM SEWER ONLY  
BUILT WITH  
PROJECT NO. 682681  
VISTA DEL NORTE -  
UNIT 1A OFFSITES**

11+74.90 10' RT. (EXISTING)  
1-16"X6" TAPPING SADDLE  
44 LF OF NEW 6" WL  
1-6" GATE VALVE  
1-TYPE B VALVE BOX  
RESTRAINED

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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITEL

**VISTA DEL NORTE - UNIT 3A**  
**MASTER UTILITY PLAN**

CITY ENGINEER APPROVAL

CITY PROJECT NO.

ZONE MAP NO.

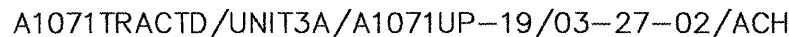
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A1071TRACTD/A1071M-UTI/03-07-02/NHM AC

682682

**D-16**

18 25



| SANITARY SEWER SERVICES |     |                |                   |               |
|-------------------------|-----|----------------|-------------------|---------------|
| BLOCK                   | LOT | STATION AT PUE | INV. ELEV. AT PUE | LENGTH AT PUE |
| 4                       | 13  | 26+59.98       | 18.79'            | 33.00'        |
| 4                       | 14  | 26+40.24       | 18.90'            | 33.00'        |
| 4                       | 15  | 25+90.82       | 19.36'            | 33.00'        |
| 4                       | 16  | 25+36.16       | 19.80'            | 33.00'        |
| 4                       | 17  | 24+85.79       | 20.11'            | 33.00'        |
| 4                       | 18  | 24+33.43       | 20.43'            | 33.00'        |
| 4                       | 19  | 23+81.06       | 20.74'            | 33.00'        |
| 4                       | 20  | 23+28.69       | 21.06'            | 33.00'        |
| 4                       | 21  | 22+76.32       | 21.37'            | 33.00'        |
| 4                       | 22  | 22+23.96       | 21.68'            | 33.00'        |
| 4                       | 23  | 21+71.59       | 22.00'            | 33.00'        |
| 4                       | 24  | 21+18.31       | 22.32'            | 33.00'        |
| 4                       | 25  | 20+69.06       | 22.61'            | 33.00'        |
| 4                       | 26  | 20+19.91       | 22.91'            | 33.00'        |
| 4                       | 27  | 19+70.75       | 23.20'            | 33.00'        |
| 4                       | 28  | 19+21.60       | 23.50'            | 33.00'        |
| 4                       | 29  | 18+72.44       | 23.79'            | 33.00'        |
| 4                       | 30  | 18+23.29       | 24.09'            | 33.00'        |

| RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.) |     |     |       |        |       |
|------------------------------------------------------------|-----|-----|-------|--------|-------|
| PIPE SIZE                                                  | 90° | 45° | 22.5° | 11.25° | VALVE |
| 6"                                                         | 17' | 7'  | —     | —      | 46'   |
| 10"                                                        | —   | 11' | 5'    | 3'     | 72'   |

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

| RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.) |            |            |
|---------------------------------------------|------------|------------|
| PIPE SIZE                                   | LARGE SIDE | SMALL SIDE |
| 10" X 6"                                    | 44'        | —          |

| RESTRAINED JOINT LENGTH FOR TEES (FT.) |     |        |
|----------------------------------------|-----|--------|
| PIPE SIZE                              | RUN | BRANCH |
| 6"x8"x6"                               | 7'  | 5'     |
| 6"x6"x6"                               | 10' | 2'     |

| SUMMARY TABLE<br>STORM SEWER HYDRAULICS |       |           |
|-----------------------------------------|-------|-----------|
| LOCATION                                | HGL   | GRATE/RIM |
| MH 16D                                  | 20.74 | 23.81     |
| MH 17D                                  | 22.73 | 25.10     |
| MH 18D                                  | 24.07 | 26.43     |
| INL 23                                  | 24.54 | 26.11     |
| INL 24                                  | 25.15 | 26.66     |
| INL 25                                  | 24.80 | 26.12     |
| INL 26                                  | 25.18 | 26.43     |

MARK GOODWIN & ASSOCIATES, P.A.  
CONSULTING ENGINEERS  
P.O. BOX 90606  
ALBUQUERQUE, NEW MEXICO 87199  
(505) 828-2200, FAX (505) 797-9539

DESIGNED BY **DLH** DATE **01/02**

DRAWN BY **ACH** DATE **01/02**

CHECKED BY **DWG** DATE **01/02**

**CITY OF ALBUQUERQUE**  
**PUBLIC WORKS DEPARTMENT**

TITLE:

**VISTA DEL NORTE - UNIT 3A  
CALLE FUERTE  
UTILITY IMPROVEMENTS**

| DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | REVISIONS |      |
|-------------------------|------------------------|--------------------|-----------|------|
|                         |                        |                    | NO.       | DATE |
|                         |                        |                    |           |      |
|                         |                        |                    |           |      |
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|                         |                        |                    |           |      |
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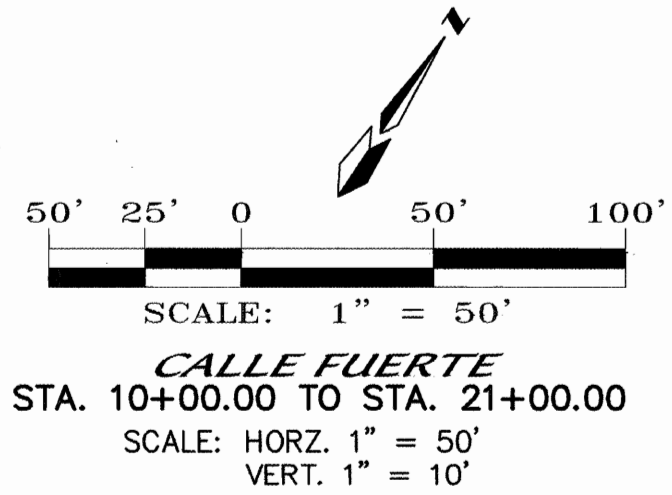
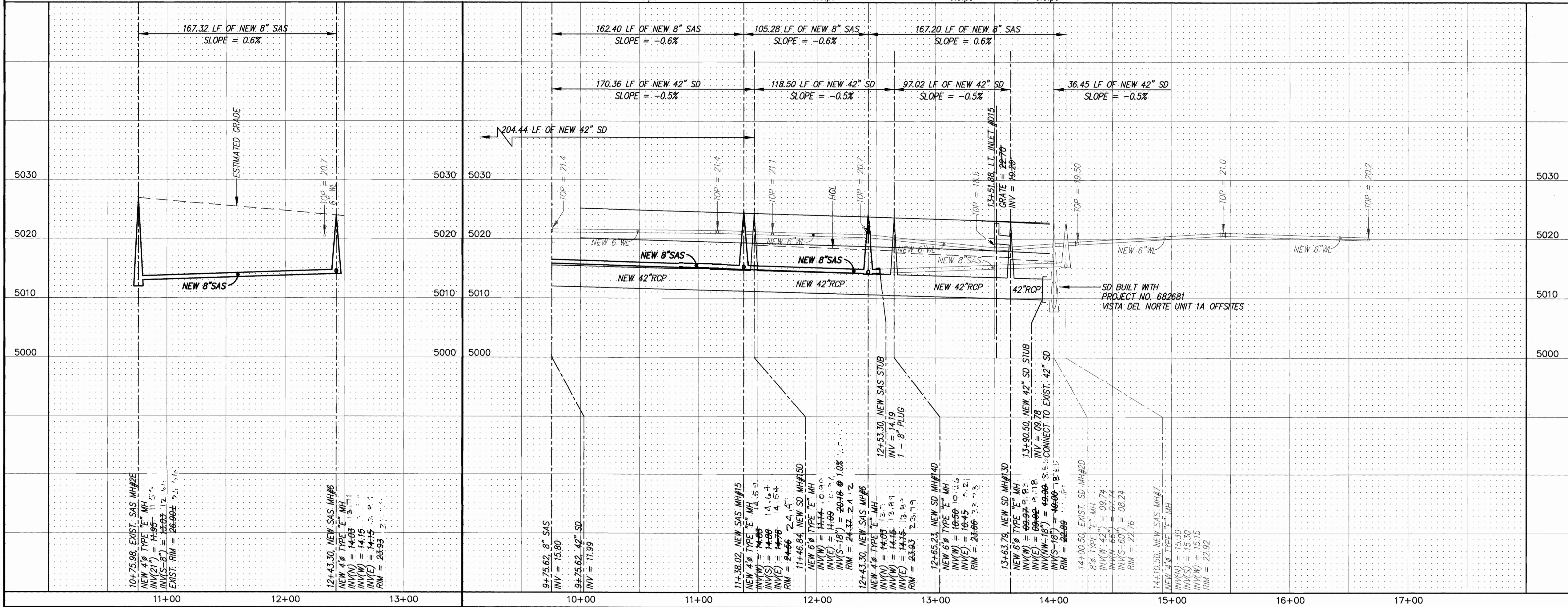
  

CITY PROJECT NO. **682682**

ZONE MAP NO. **D-16**

SHEET **19** OF **25**

SCANNED BY  
MESA REPRC



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

| SANITARY SEWER SERVICES |     |                |                   |               |
|-------------------------|-----|----------------|-------------------|---------------|
| BLOCK                   | LOT | STATION AT PUE | INV. ELEV. AT PUE | LENGTH AT PUE |
| 4                       | 8   | 11+82.10       | 19.05'            | 33.00'        |
| 4                       | 9   | 11+32.95       | 19.34'            | 33.00'        |
| 4                       | 10  | 11+13.21       | 19.45'            | 33.00'        |
| 4                       | 11  | 10+64.06       | 19.74'            | 33.00'        |
| 4                       | 12  | 10+14.90       | 20.02'            | 33.00'        |

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

| PIPE SIZE | 90° | 45° | 22.5° | 11.25° | VALVE |
|-----------|-----|-----|-------|--------|-------|
| 6"        | 17' | 7'  | -     | -      | 46'   |
| 10"       | -   | 11' | 5'    | 3'     | 72'   |

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)

| PIPE SIZE | LARGE SIDE | SMALL SIDE |
|-----------|------------|------------|
| 10" X 6"  | 44'        | -          |

RESTRAINED JOINT LENGTH FOR TEES (FT.)

| PIPE SIZE   | RUN | BRANCH |
|-------------|-----|--------|
| 10"x10"x10" | 15' | 5'     |
| 10"x10"x6"  | 6'  | 1'     |
| 6"x6"x6"    | 10' | 2'     |

SUMMARY TABLE  
STORM SEWER HYDRAULICS

| LOCATION | HGL   | GRATE/RIM |
|----------|-------|-----------|
| MH 2D    | 16.24 | 22.76     |
| MH 13D   | 16.89 | 22.89     |
| MH 14D   | 17.99 | 23.66     |
| MH 15D   | 19.27 | 24.37     |

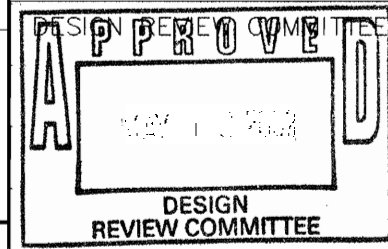
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dmg MARK GOODWIN & ASSOCIATES, P.A.  
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ALBUQUERQUE, NEW MEXICO 87199  
(505) 828-2200, FAX (505) 797-9539



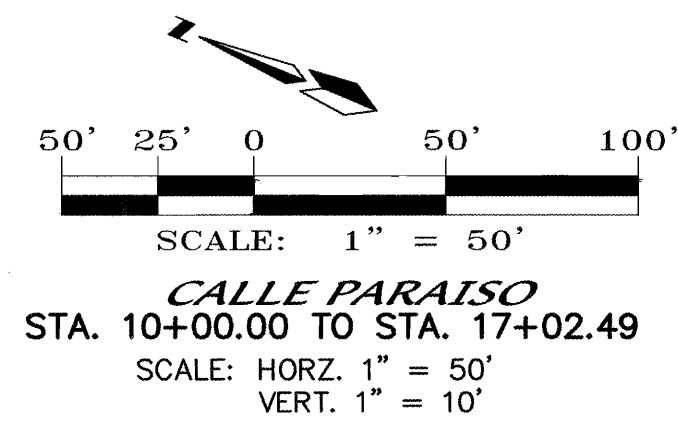
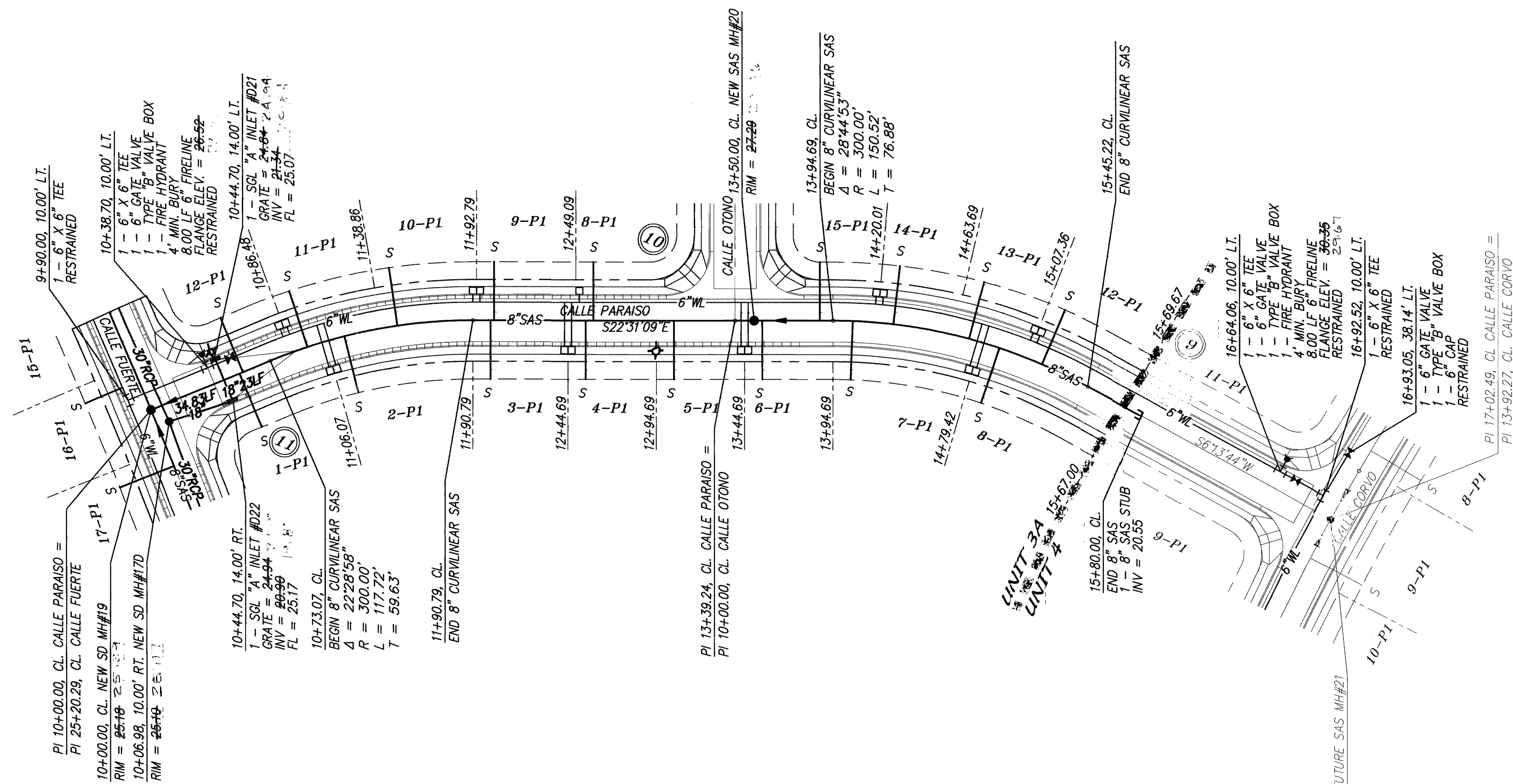
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE: **VISTA DEL NORTE - UNIT 3A  
CALLE FUERTE  
UTILITY IMPROVEMENTS**



CITY ENGINEER APPROVAL

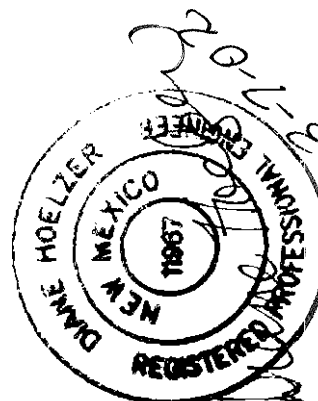
LAST DESIGN UPDATE



| RESTRAINED JOINT LENGTH FOR BENDS,<br>VALVES, DEAD ENDS (FT.) |     |     |       |        |       |
|---------------------------------------------------------------|-----|-----|-------|--------|-------|
| PIPE SIZE                                                     | 90° | 45° | 22.5° | 11.25° | VALVE |
| 6"                                                            | 17' | 7'  | —     | —      | 46'   |

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF  
THE BEND. RESTRIN BRANCH AT FITTING ONLY  
MINIMUM ATTACHED PIPE LENGTH, RUN SIDE  
OF TEE: 10.00 FEET.

| RESTRAINED JOINT LENGTH FOR TEES (FT.) |     |        |
|----------------------------------------|-----|--------|
| PIPE SIZE                              | RUN | BRANCH |
| 6"x6"x6"                               | 10' | 2'     |



| ENGINEER'S SEAL |  |  |  |  |  | SURVEY INFORMATION |    | BENCH MARKS |                                                                                           | AS BUILT INFORMATION |                                            |
|-----------------|--|--|--|--|--|--------------------|----|-------------|-------------------------------------------------------------------------------------------|----------------------|--------------------------------------------|
|                 |  |  |  |  |  | FIELD NOTES        |    |             |                                                                                           |                      |                                            |
|                 |  |  |  |  |  | NO.                | BY | DATE        | ACS BRASS CAP STAMPED "MA-9"                                                              |                      | CONTRACTOR                                 |
|                 |  |  |  |  |  |                    |    |             | LOCATED IN SOUTHEAST QUADRANT OF PASADO DEL NORTE & NORTH DIVERSION CHANNEL INTERSECTION, |                      | WORK<br>STAKED BY<br>ACCEPTANCE BY<br>DATE |
|                 |  |  |  |  |  |                    |    |             | GEOGRAPHIC POSITION (NAD 1927), IN FEET                                                   |                      | DATE                                       |
|                 |  |  |  |  |  |                    |    |             | N.M. STATE PLANE COORDINATES (CENTRAL ZONE)                                               |                      | DATE                                       |
|                 |  |  |  |  |  |                    |    |             | X = 394,134.18 Y = 1,518,711.30                                                           |                      | DATE                                       |
|                 |  |  |  |  |  |                    |    |             | ELEVATION = 5069.27 (NGVD 1929), IN FEET                                                  |                      | DATE                                       |
|                 |  |  |  |  |  |                    |    |             |                                                                                           |                      | NO.                                        |

Dale E. Hoelzer  
New Mexico  
19067  
REGISTERED PROFESSIONAL ENGINEER

| DESIGNED BY |  | DLH | DATE | 01/02 |
|-------------|--|-----|------|-------|
| DRAWN BY    |  | ACH | DATE | 01/02 |
| CHECKED BY  |  | DMG | DATE | 01/02 |
| REVISIONS   |  |     |      |       |
| DESIGN      |  |     |      |       |

|    |    |    |   |    |   |   |   |   |    |    |    |    |
|----|----|----|---|----|---|---|---|---|----|----|----|----|
| 1  | 2  | 3  | 4 | 5  | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 26 | 68 | 26 | . | 82 | 2 | 1 | 0 | 3 |    |    |    |    |



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ALBUQUERQUE, NEW MEXICO 87199  
(505) 828-2200, FAX (505) 797-9539



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE:

**VISTA DEL NORTE - UNIT 3A  
CALLE PARAISO  
UTILITY IMPROVEMENTS**



CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

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| MO./DAY/YR. | MO./DAY/YR. |
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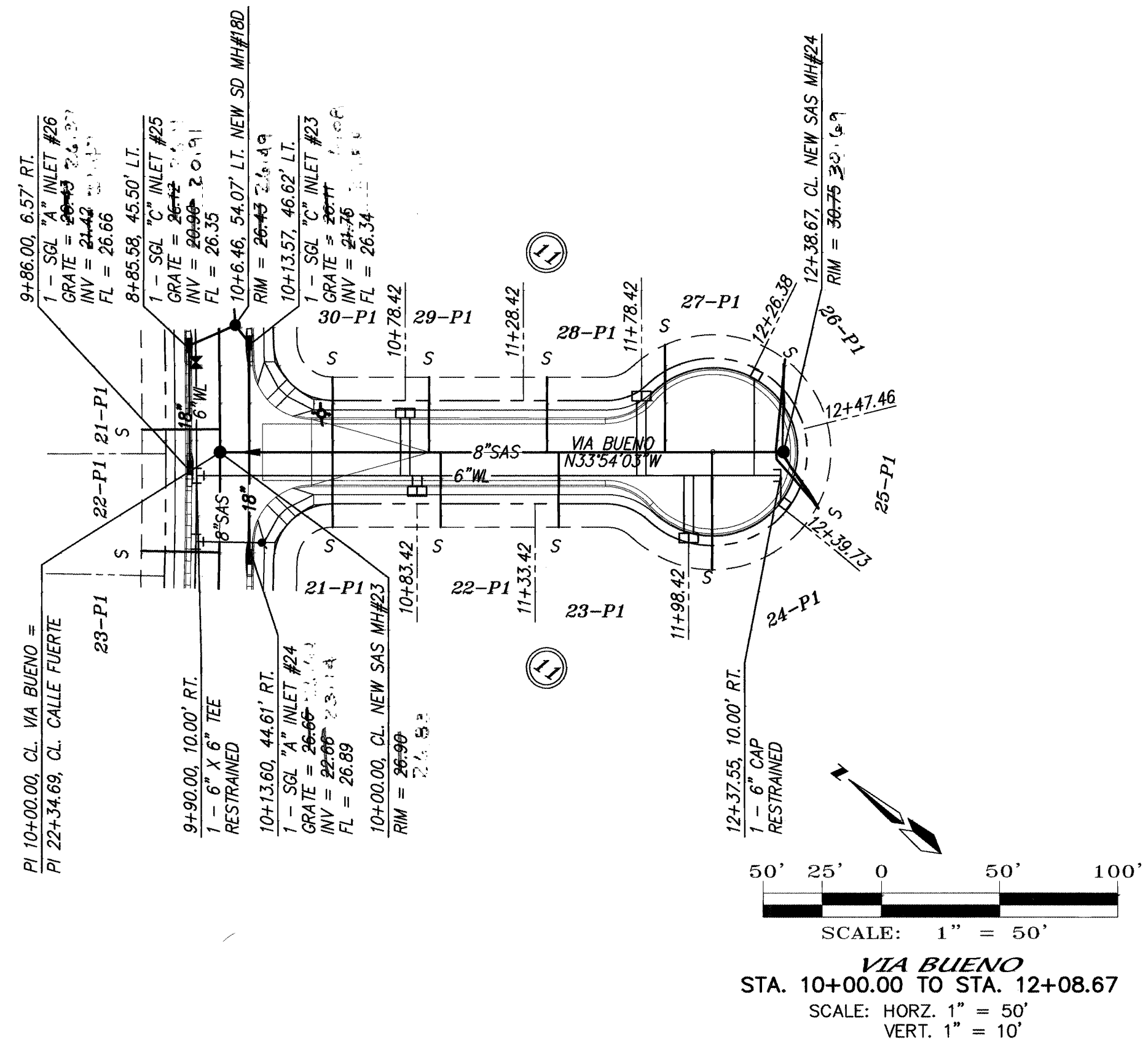
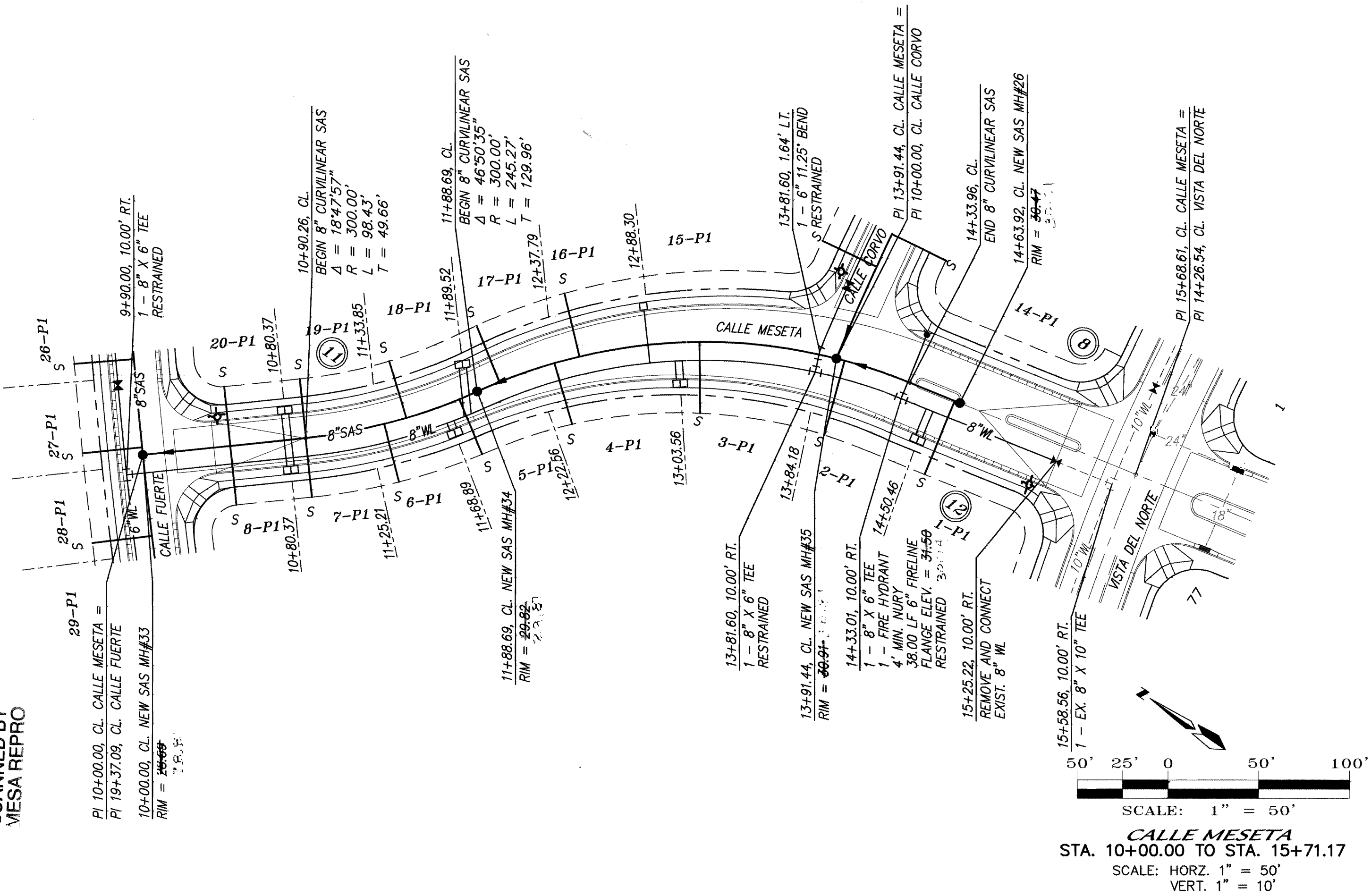
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682682

D-16

21 25

SCANNED BY  
MESA REPRO



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

| SANITARY SEWER SERVICES |     |                |                   |               |
|-------------------------|-----|----------------|-------------------|---------------|
| BLOCK                   | LOT | STATION AT PUE | INV. ELEV. AT PUE | LENGTH AT PUE |
| 11                      | 16  | 12+48.38       | 24.90'            | 35.81'        |
| 11                      | 17  | 12+02.12       | 24.62'            | 33.52'        |
| 11                      | 18  | 11+46.89       | 24.29'            | 33.00'        |
| 11                      | 19  | 10+90.38       | 23.95'            | 33.00'        |
| 11                      | 20  | 10+48.47       | 23.61'            | 33.00'        |
| 11                      | 21  | 10+47.57       | 22.11'            | 32.00'        |
| 11                      | 22  | 10+93.43       | 22.90'            | 32.00'        |
| 11                      | 23  | 11+43.43       | 23.85'            | 32.00'        |
| 11                      | 24  | 12+08.42       | 24.62'            | 50.00'        |
| 11                      | 25  | 12+35.37       | 25.02'            | 29.55'        |
| 11                      | 26  | 12+35.67       | 25.03'            | 39.70'        |
| 11                      | 27  | 11+88.43       | 24.32'            | 45.73'        |
| 11                      | 28  | 11+38.43       | 23.57'            | 32.00'        |
| 11                      | 29  | 10+88.43       | 22.82'            | 32.00'        |
| 11                      | 30  | 10+47.57       | 22.11'            | 32.00'        |
| 12                      | 1   | 14+60.92       | 25.01'            | 44.00'        |
| 12                      | 2   | 13+96.03       | 25.39'            | 44.00'        |
| 12                      | 3   | 13+72.71       | 25.49'            | 49.61'        |
| 12                      | 4   | 12+34.12       | 24.81'            | 35.54'        |
| 12                      | 5   | 11+77.90       | 24.47'            | 33.00'        |
| 12                      | 6   | 11+34.22       | 24.21'            | 33.00'        |
| 12                      | 7   | 10+90.26       | 23.95'            | 33.00'        |
| 12                      | 8   | 10+48.47       | 23.60'            | 33.00'        |

\* SAS service into MH per std. dwg 211B

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

| PIPE SIZE | 90° | 45° | 22.5° | 11.25° | VALVE |
|-----------|-----|-----|-------|--------|-------|
| 6"        | 17' | 7'  | -     | -      | 46'   |
| 8"        | 22' | 9'  | 4'    | 2'     | 60'   |
| 10"       | -   | 11' | 5'    | 3'     | 72'   |

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)

| PIPE SIZE | RUN | BRANCH |
|-----------|-----|--------|
| 8"x8"x6"  | 7'  | 5'     |
| 6"x6"x6"  | 10' | 2'     |

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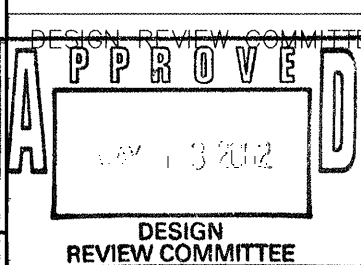


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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE: **VISTA DEL NORTE - UNIT 3A  
CALLE MESETA & VIA BUENO  
UTILITY IMPROVEMENTS**



CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

CITY PROJECT NO.

ZONE MAP NO.

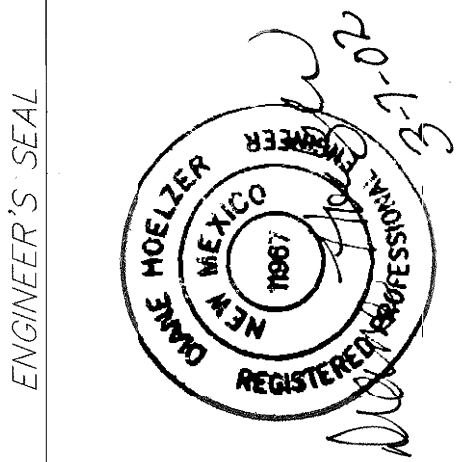
SHEET OF

A1071TRACTD/UNIT3A/A1071UP-22/03-04-02/ACH

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| REVISIONS |       | DATE | BY     |
|-----------|-------|------|--------|
| NO.       | DATE  |      |        |
| 1         | 01/02 | DLH  | DESIGN |
| 2         | 01/02 | ACH  | DWG    |



CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:  
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.  
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.  
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

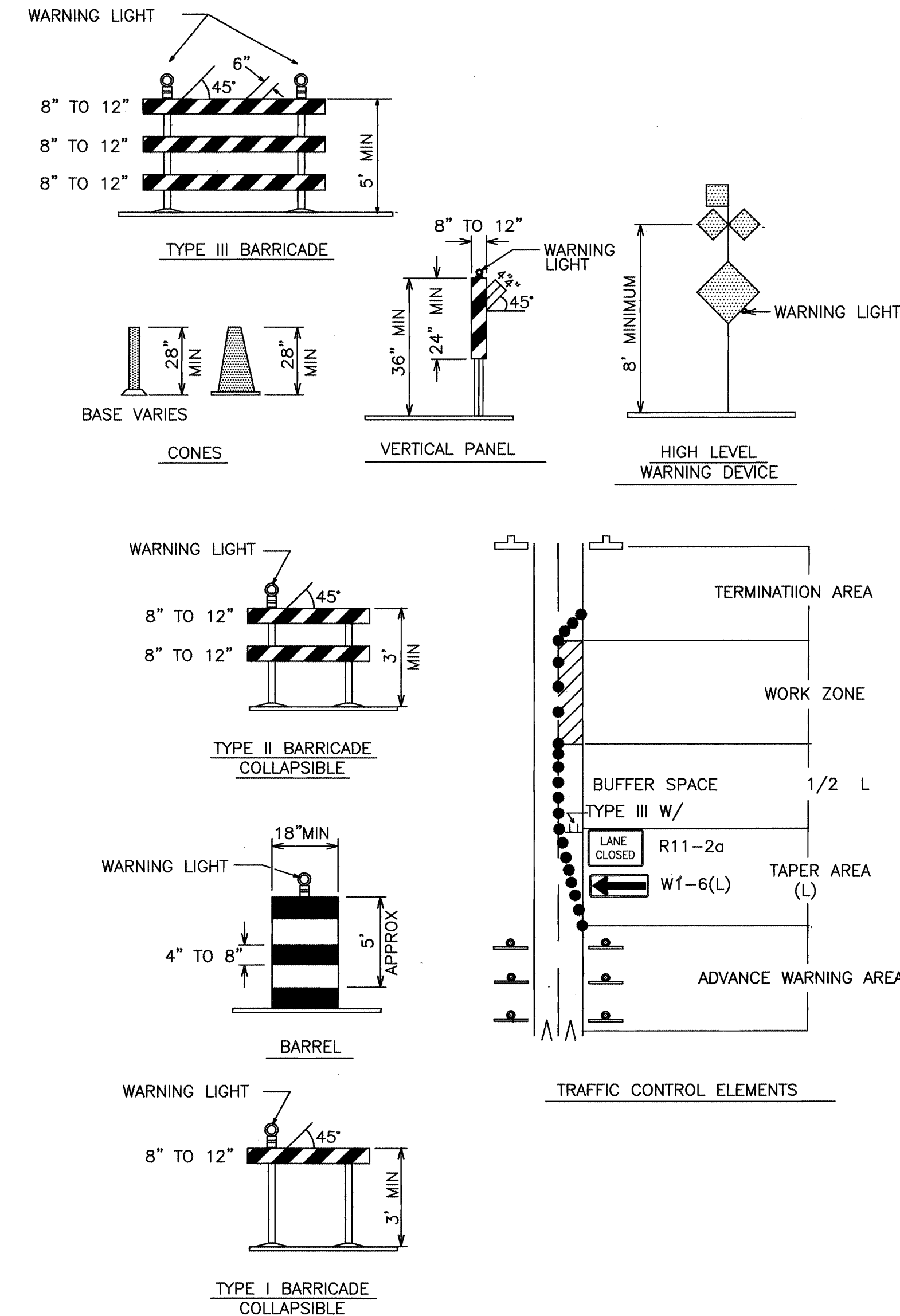
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



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

TAPER REQUIREMENT

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

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

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

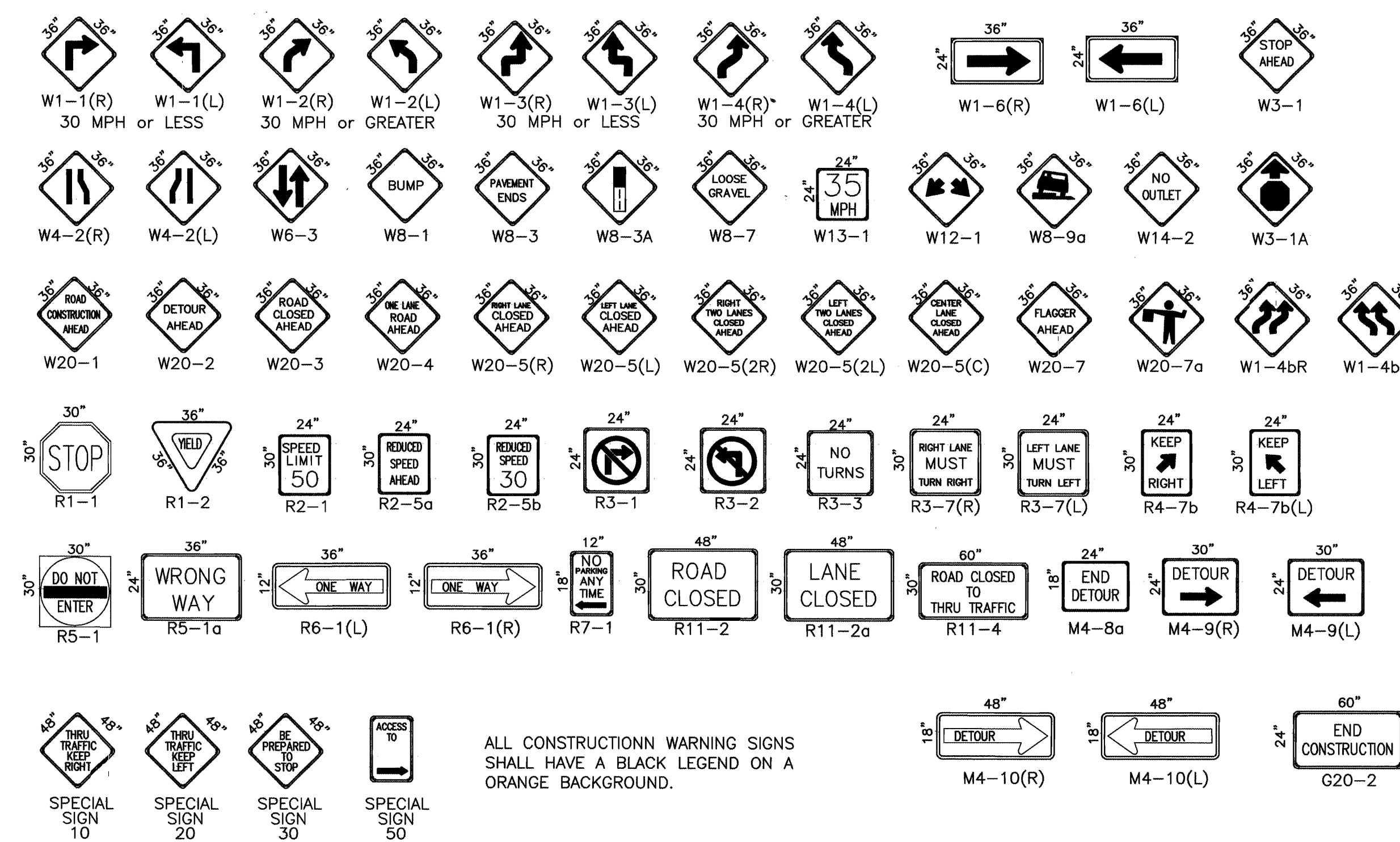
TAPER CRITERIA

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

TAPER LENGTH COMPUTATION

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

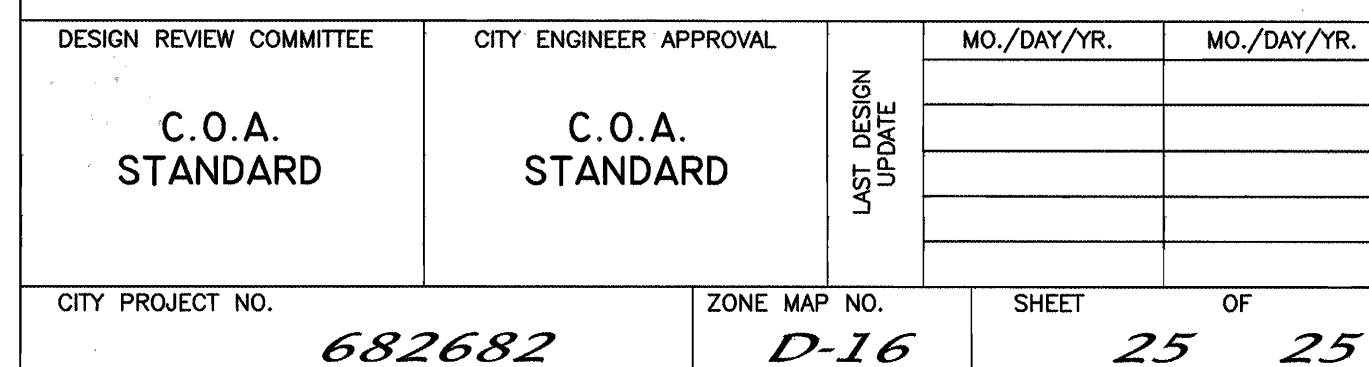
SIGN FACE DETAILS



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

|                                                                                 |                                                  |                          |                              |
|---------------------------------------------------------------------------------|--------------------------------------------------|--------------------------|------------------------------|
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING DEVELOPMENT GROUP |                                                  |                          |                              |
| TITLE: <b>VISTA DEL NORTE - UNIT 3A</b>                                         |                                                  |                          |                              |
| DESIGN REVIEW COMMITTEE<br><b>C.O.A. STANDARD</b>                               | CITY ENGINEER APPROVAL<br><b>C.O.A. STANDARD</b> | LAST DESIGN UPDATE       |                              |
| CITY PROJECT NO. <b>682682</b>                                                  |                                                  | ZONE MAP NO. <b>D-16</b> | SHEET <b>24</b> OF <b>25</b> |

26 6826.82 2403



| ENGINEER'S SEAL             |  |           |  | SURVEY INFORMATION                                 |    | BENCH MARKS   |  | AS-BUILT INFORMATION |      |
|-----------------------------|--|-----------|--|----------------------------------------------------|----|---------------|--|----------------------|------|
|                             |  |           |  | FIELD NOTES                                        |    |               |  |                      |      |
|                             |  |           |  | NO.                                                | BY | DATE          |  |                      | DATE |
| J.D.L.                      |  |           |  |                                                    |    |               |  |                      |      |
| REVISED GENERAL NOTE        |  | 9/24/97   |  |                                                    |    |               |  |                      |      |
| REMARKS                     |  | BY        |  |                                                    |    |               |  |                      |      |
| NO.                         |  | DATE      |  |                                                    |    |               |  |                      |      |
| C.O.A. STANDARD             |  |           |  |                                                    |    |               |  |                      |      |
| DESIGN                      |  |           |  |                                                    |    |               |  |                      |      |
| DESIGNED BY BOHANNAN HUSTON |  | DATE 5-97 |  |                                                    |    |               |  |                      |      |
| DRAWN BY BOHANNAN HUSTON    |  | DATE 5-97 |  |                                                    |    |               |  |                      |      |
|                             |  |           |  | ACS BRASS CAP STAMPED "AAA-9"                      |    | CONTRACTOR    |  |                      |      |
|                             |  |           |  | LOCATED IN SOUTHEAST QUADRANT OF PASEO DEL NORTE & |    | INSPECTOR'S   |  |                      |      |
|                             |  |           |  | NORTH DIVERSION CHANNEL INTERSECTION,              |    | ACCEPTANCE BY |  |                      |      |
|                             |  |           |  | GEOGRAPHIC POSITION (MAD 1927), IN FEET            |    | DRAWINGS      |  | DATE 7-03            |      |
|                             |  |           |  | N.M. STATE PLANE COORDINATES (CENTRAL ZONE)        |    | CORRECTED BY  |  |                      |      |
|                             |  |           |  | X = 394,134.18 Y = 1,518,711.30                    |    | MICRO-FILM    |  | INFORMATION          |      |
|                             |  |           |  | ELEVATION = 5069.27 (NGVD 1929), IN FEET           |    | RECORDED BY   |  |                      |      |
|                             |  |           |  |                                                    |    | NO.           |  |                      |      |