



# CONSTRUCTION PLANS

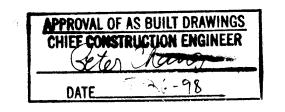
for

# LAS COLINAS DEL NORTE

# BERNALILLO COUNTY, NEW MEXICO MAY, 1997

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#### RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "asbuilt" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.



FOR SAND & GRAVEL EXTRACTION & RELATED ACTIVITIES & USES PERMISSIVE IN THE M-1 ZONE VICINITY MAP D - 161. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE

8 4 6 6 7 8 9 10 11 12 13 14 15

- STANDARD SPECIFICATIONS-PUBLIC WORKS CONSTRUCTION-1986 UPDATE NO. 6, OR BERNALILLO COUNTY
- 2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- 3. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THE ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF AN' SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS 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, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- 5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- 6. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- 7. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- 8. BACKFILL AND COMPACTION WITHIN COUNTY RIGHT-OF-WAY AND/OR EASEMENT SHALL BE 95% ASTM D-1557 FOR THE FULL DEPTH OF TRENCH PER COUNTY STANDARD DRAWING 2465.
- 9. TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
- 10. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- 11. IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- 12. ALL STORM BRAINAGE FACILITIES, SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
  - 13. CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT -OFF-PIAN, NOT, LESS THAN FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATION. THE WATER SYSTEM DIVISION PHONE NUMBER IS 857-8200.
  - 14. 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 INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO
  - THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE SPECIFICATIONS.

    15. THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION TO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC
  - 16. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED STRIPING BY CONTRACTOR TO EXISTING LOCATION OR AS INDICATED BY THIS PLAN SET.
  - 17. THIS PROJECT IS TO BE CONSTRUCTED UNDER, AND IS SUBJECT TO THE TERMS AND CONDITIONS OF THE MASTER UTILITY EASEMENT AND RIGHT-OF-WAY AGREEMENT ENTERED INTO BETWEEN THE COUNTY OF BERNALILLO AND THE CITY OF ALBUQUERQUE, EFFECTIVE DATE 8/20/90.

JEFF MORTENSEN & ASSOCIATES, INC.

- 18. CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
- 19. ALL WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.

6010-B MIDWAY PARK BLVD. N.E. ALBUQUERQUE | NEW MEXICO 87109 ☐ ENGINEERS ☐ SURVEYORS (505) 345-4250 970772-960352 1-12 02-98 SHEETS CITY ENGINEER USER DEPARTMENT USER DEPARTMENT APPROVALS ENGINEERS STAMP & SIGNATURE DATE XXXXXXXXXXXXXXX Billy Goolshy 7-29-97 NA A.D. 7-29-97 R.W. Kane Water/Wastewater Hydrology Const. Mngmt. BCPWD City Project No 563181 D-16

**SCANNED BY** BY LASON

DRB. NO.96-384 BCPWD #CON 97-19

970772

VICINITY MAP SCALE:  $1'' = 750' \pm$ 

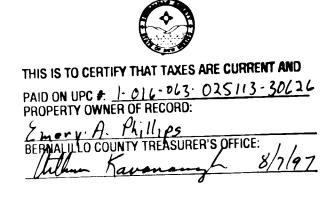
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SU-1

Public Utility easements shown on this plat are ten (10) feet wide and are granted for the common and joint use of:

- 1. The P.N.M. Electric Services for the installation, maintenance, and service of overhead and underground electrical lines, transformers, poles and other equipment, fixtures, structures and related facilities reasonably necessary to provide electrical service.
- 2. The P.N.M. Gas Services for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.
- U.S. West for the installation, maintenance, and service of all buried and aerial communication lines and other related equipment and facilities reasonably necessary to provide communication services including, but not limited to, above ground pedestals and closures.
- Jones Intercable for the installation, maintenance, and service of such lines, cables, and other related equipment and facilities reasonably necessary to provide Cable TV service.

Included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate, and maintain facilities for the purposes described above, together with free access to, from, and over said easements, including sufficient working area space for electric transformers, with the right and privilege to trim and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (aboveground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon Property owners shall be solely responsible for correcting any violations of the National Electric Safety Code caused by construction or pools, decking, or any structures adjacent to within or near easements shown on this plat.



In the event Grantor constructs any improvements within the easement, the City has the right to enter upon Grantors property at any time and perform whatever inspection, installation, maintenance, repair, modification or removal ("Work") it deems appropriate without liability to the City. If the work effects any Improvements of Encroachments made by the grantor, the City will not be financially or otherwise responsible for rebuilding or repairing of Improvements of Encroachments. If in the opinion of the City, the Work to be performed by the City could endanger the structural integrity or otherwise damage the Improvements of Encroachments, the Grantor shall, at its own expense, take whatever protective measures are required to safeguard the Improvements of Encroachments.

SUBDIVISION PLAT OF

#### COLINAS DEL NORTE LAS

BERNALILLO COUNTY, NEW MEXICO MARCH, 1997

#### DESCRIPTION

A certain tract of land located within Bernalillo County, New Mexico, comprising Tracts 69 and 74, Middle Rio Grande Conservancy District Property Map No. 28, as depicted on the Plat of Survey prepared by Southwest Surveying Company, Inc., dated June 17, 1994, filed as a Plat of Survey in the Office of the County Clerk of Bernalillo County on June 22, 1994, Book 94S, Page 50, and being more particularly described as follows:

Beginning at the southwest corner of the property herein described, being the southwest corner of said Tract 74, also being the northwest corner of Lot 7, Paseo Del Norte Industrial Subdivision, as shown on the plat filed on December 23, 1987, Book C35, Page 93, and also being a point on the east right-of-way line of the AT & SF Railroad right-of-way; thence N 17.00'56" E a distance of 599.29 feet along said right-of-way line to the northwest corner of the parcel herein described, being the southwest corner of said Tract 68-A-1, M.R.G.C.D. Map No. 28; thence S 82.04'52" E a distance of 924.13 feet to the northeast corner of the parcel herein described, being a point on the west right—of—way line of Edith Boulevard N.E.; thence S 15°27'00" W a distance of 603.38 feet along said right—of—way line to the southeast corner of the parcel herein described; thence N 81°41'22" W a distance of 939.82 feet to the point of beginning and containing 12.7356 acres more or less.

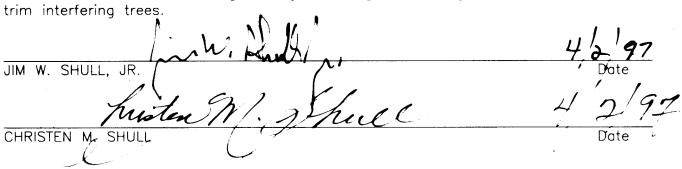
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#### DEDICATION AND FREE CONSENT

The undersigned owners of the land shown hereon do hereby consent to the subdivision of said land in the manner shown on this plat and do hereby grant the easements as shown, including the rights of ingress and egress and the right to

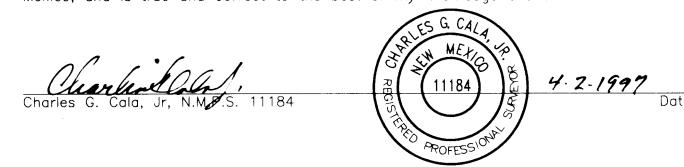


### **ACKNOWLEDGEMENT**

STATE OF NEW MEXICO COUNTY OF BERNALILLO This instrument was acknowledged before me on this \_\_\_\_\_\_ day of \_\_\_\_\_\_, 1997, by Jim W. Shull, Jr. and Christen M. Shull. Notary Public Cala

#### SURVEYORS CERTIFICATION

I, Charles G. Cala, Jr., a registered Professional Surveyor under the laws of the State of New Mexico, do hereby certify that this plat was prepared by me or under my supervision, shows all easements noted in the Policy of Title Insurance prepared by Albuquerque Title Company, Inc. dated October 29, 1996, Policy No. 207-607969; meets the minimum requirements of monumentation and surveys of the Albuquerque Subdivision Ordinance, complies with the minimum standards for surveying in New Mexico, and is true and correct to the best of my knowledge and belief.

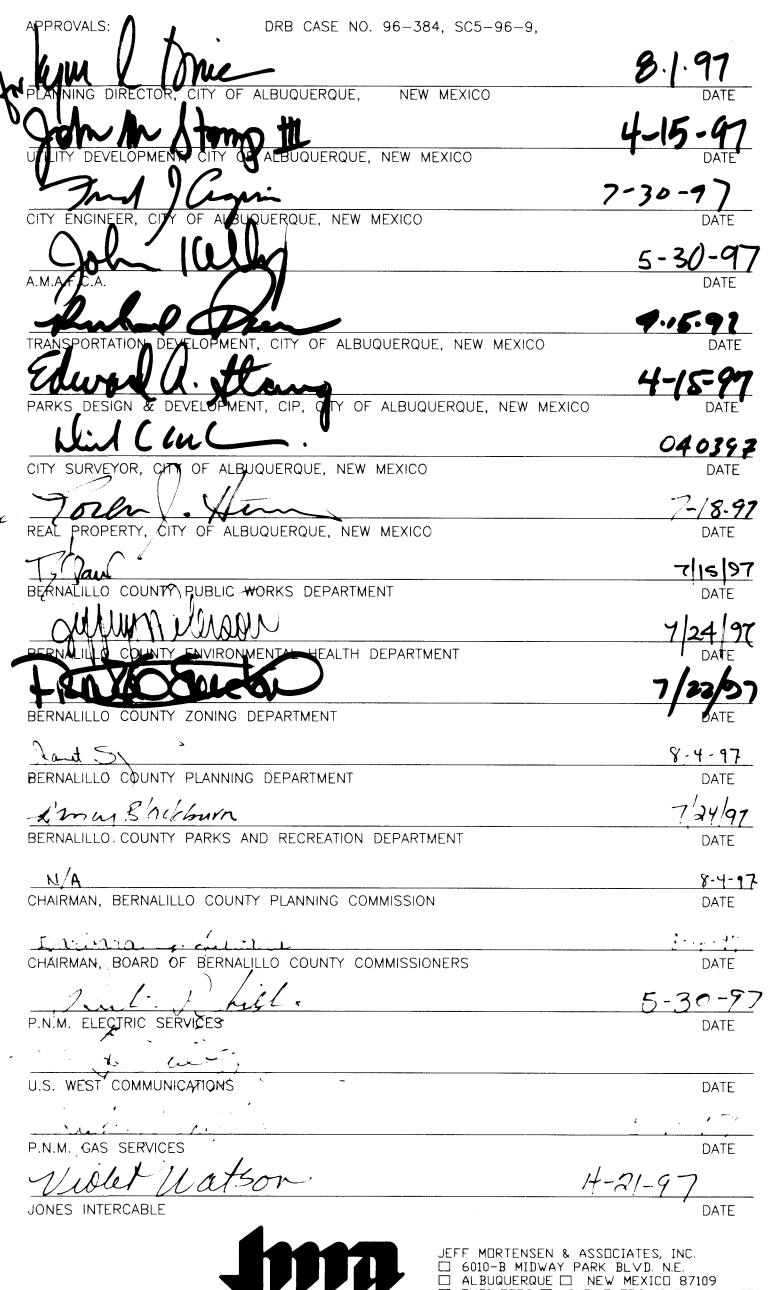


State of New Mexico } SS County of Bernalilio

This instrument was filed for record on

9:02 AUG 0 9 1007 Tudy D. Woodward Clerk & Recorde

COUNTY CLERK FILING DATA



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Ludy D. Woodward Clerk & Record

☐ ENGINEERS ☐ SURVEYORS (505) 345-4250

JOB #960354

#**96**NNO \$23-09:28-0217

CURVE

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C65

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C67

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C69

C70

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C72

C73

C1

**RADIUS** 

25.00'

290.00'

125.00'

125.00'

125.00'

125.00'

125.00'

375.00'

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375.00'

375.00'

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125.00'

125.00'

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125.00'

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415.00'

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85.00'

85.00'

250.00'

270.00

105.00'

395.00

105.00'

270.00'

270.00

105.00'

395.00'

105.00'

270.00'

85.00\*

85.00

SUBDIVISION PLAT OF

#### NORTE COLINAS DEL LAS

BERNALILLO COUNTY, NEW MEXICO MARCH, 1997

CURVE TABLE

LENGTH

36.49

30.31

18.68

40.53

40.53'

40.53

54.56

11.08

65.33'

65.33

11.08

54.56

40.90'

40.90'

40.90'

17.56

21.03'

35.691

28.37

33.63'

47.12'

47.12

19.68

24.94'

35.69'

21.03'

22.42'

39.00'

39.00'

39.00

55.41'

10.23'

65.30'

65.36

11.92'

53.72'

40.81'

40.81'

40.81'

18.68

30.31'

36.49'

60.06'

63.80'

8.63'

52.02'

65.07'

52.02'

63.80'

60.06

107.93'

60.06'

63.80'

8.63'

52.02'

65.07

52.02

63.80'

60.06'

58.28'

107.93

163.66'

160.96

163.66'

58.28'

58.28'

163.66'

160.96

163.66 58.28'

8.63'

8.63'

CH. DISTANCE

33.33'

30.30

18.67

40.35

40.35

40.35

54.13'

11.08

65.25'

65.25'

11.08

54.13'

40.72

40.72

40.72

17.55'

21.03'

32.73'

27.78

32.65

42.43'

42.43

19.48

24.54'

32.73'

21.03'

22.39

38.84'

38.84'

38.84

54.96

10.23'

65.22

65.27

11.92'

53.31'

40.63'

40.63'

40.63

18.67

30.30'

33.33'

58.82'

62.31'

8.63

51.99

65.00' 51.99'

8.63'

62.31'

58.82

107.10'

58.82

62.31'

8.63'

51.99'

65.00'

51.99

8.63'

62.31'

58.82

107.10'

58.17

147.59

159.85'

147.59

58.17

58.17

147.59

159.85'

147.59

58.17'

CH. BEARING

N 56°06'30" E

N 17'17'34" E

S 24'34'08" W

N 38'08'23" E

N 56°43'03" E

N 75°17'43" E

S 82°54'42" E

N 71'15'12" W

S 77'05'25" E

S 87'04'19" E

S 87'05'28" W

S 81°15'03" E

S 59°22'20" E

S 40°37'24" E

S 21°52'28" E

S 08'28'29" E

N 02°22'19" W

S 41°11'16" F

N 77°35'57" E

N 81'21'53" E

N 60°27'00" E

S 29'33'00" E

S 60°27'16" E

N 64'13'12" W

S 57'01'31" W

N 18°12'34" E

N 25°25'28" E

N 39°30'02" E

N 57°22'40" E

S 75'15'19" W

N 83'06'24" W

S 71°11'20" E

N 76°57'33" W

S 86°56'28" E

N 87°09'20" E

S 81°26'37" E

N 59'46'44" W

S 41'04'22" E

N 22°21'59" W

N 08'43'53" W

N 01'27'18" W

N 40°16'15" W

S 40°31′44" W

N 82°16'19" E

N 73'19'01" W

S 73°59'55" E

S 82°04'52" E

N 89°50'10" E

N 89'09'16" E

S 66°26'04" E

S 24°41'29" E

S 07°55'08" W

N 40°31'44" E

S 82°16'19" W

S 73°19'01" E

S 73°59'55" E

N 82°04'52" W

S 89'50'10" W

S 89°09'1.6" W

N 66°26'04" W

N 24°41'29" W

N 07'55'08" E

N 14°06'11" E

N 64°56'24" E

S 82°04'52" E

S 49°06'08" E

S 01°44'04" W

S 14°06'11" W

S 64°56'24" W

N 82'04'52" W

N 49°06'08" W

N 01°44'04" E

DELTA

83°37′14"

05'59'20"

08'33'49"

18'34'40"

18'34'40"

18°34'40"

25'00'30"

01'41'32"

09\*58'54"

09.58.54"

01'41'32"

25'00'30"

18°44'56"

18°44'56"

18°44'56"

08'03'01"

04.09,19,

81'47'12"

40'38'21"

48'10'13"

90,00,00,

90'00'00"

28'11'29"

35\*43'21"

81'47'12"

04.09,19,

10'16'28"

17'52'39"

17.52,39"

17**\***52'39"

25'23'55"

01'33'47"

09\*58'40"

09.59,09,

01'49'16"

24°37′23″

18°42'23"

18'42'23"

18°42'23"

08\*33'49"

05'59'20"

83'37'14"

40'29'01"

43.00,10,

05'49'09"

07 10 56"

08.59,00,

07"10'56"

05'49'09"

43'00'10"

40°29'01"

24°44'12"

40'29'01"

43'00'10"

05°49'09"

07'10'56"

08'59'00"

07'10'56"

05'49'09"

43°00'10"

40°29'01"

24'44'12"

12\*22'06"

89'18'20"

23°20'52"

89"18'20"

12"22'06"

12**°**22'06"

89\*18'20"

23'20'52"

89°18'20"

12**'**22'06"

COUNTY	CLERK	FILING	DATA

## NOTES:

- 1. A Boundary Survey was performed in April, 1996. Property corners were found or set as indicated.
- Site located within projected Sections 21 and 22, Township 11 North, Ranae 3 East. N.M.P.M.
- All distances are ground distances.
- Bearings shown hereon are New Mexico State Plane Grid Bearings, Central
- Bearings and distances shown within parenthesis per special Warranty Deed (Joint Tenants), filed as Document No. 93110004 on October 04, 1993 in Book 93-27, Pages 7197-7198.
- Street mileage created by this plat = 0.28 miles (full-width private).
- The purpose of this plat is to: Eliminate the interior property lines between former Tracts 69 and 74, Middle Rio Grande Conservancy District Property Map No. 28. and create 38 separate tracts of land. b. Grant the necessary easements as shown.
- City of Albuquerque Water and Sanitary Sewer Services to Las Colinas Del Norte Subdivision must be verified and coordinated with the Public Works Department, City of Albuquerque.
- Upon completion of the construction of the streets, City of Albuquerque approved centerline monuments shall be placed at all intersections or as otherwise indicated in lieu of subdivision block corner monumentation. Location of said monuments are designated with a " @ " symbol.
- The properties platted hereon are subject to the "Restrictions of Las Colinas Del Norte" 8 - 8 - 1997, Book 97- 21 Pages <u>6388 - 6412</u>, Doc. #97-<u>081432</u>

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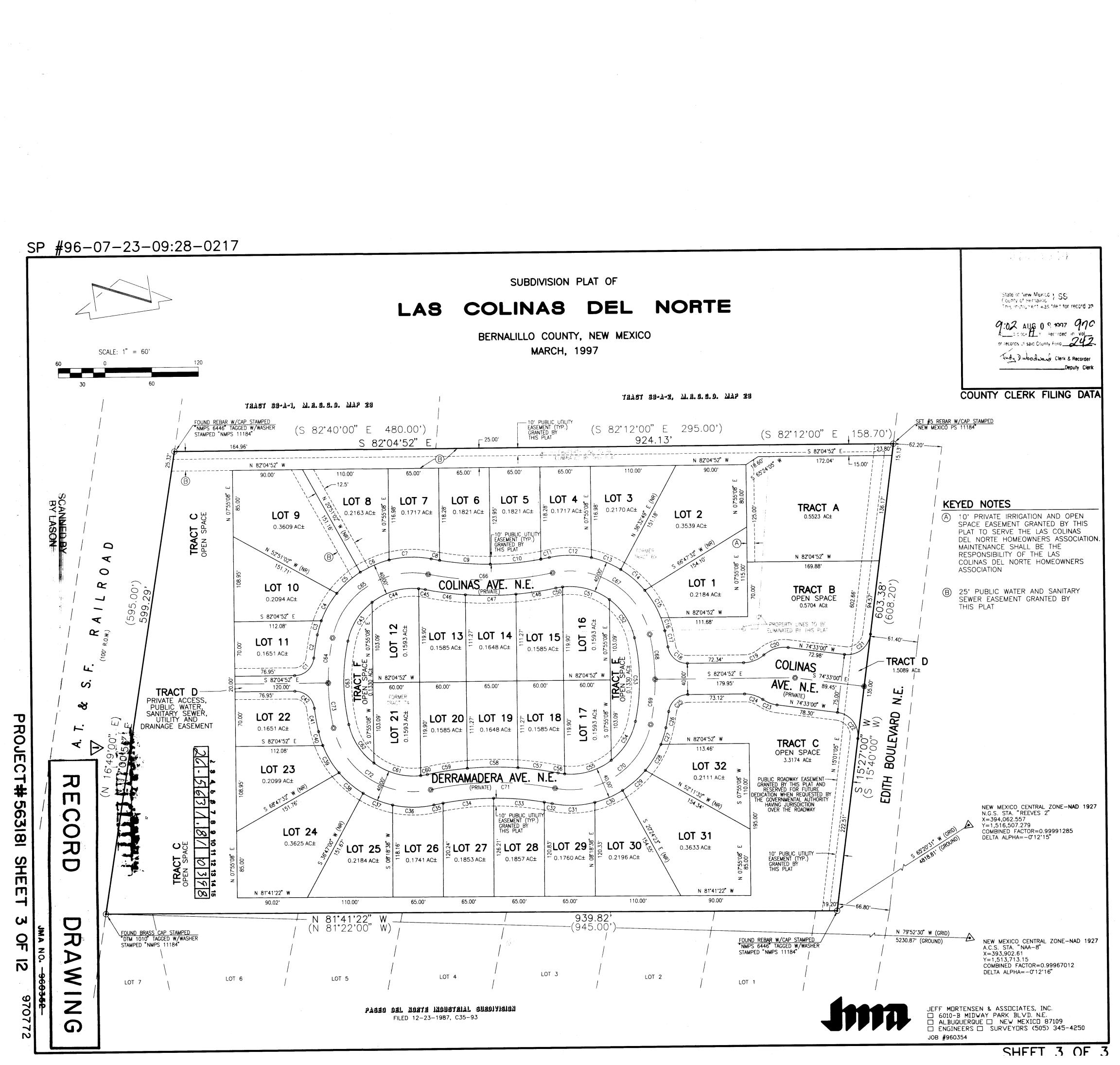
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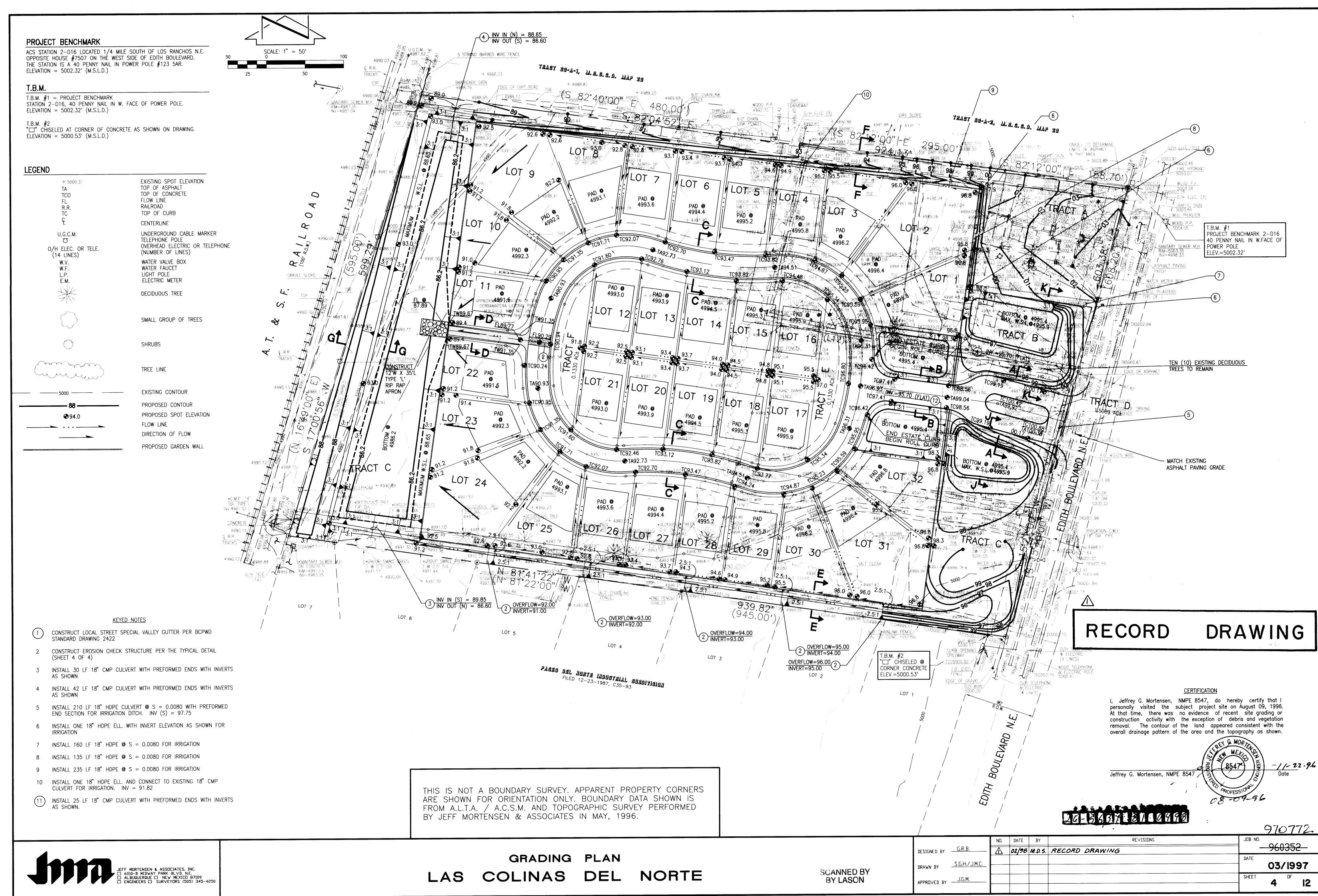
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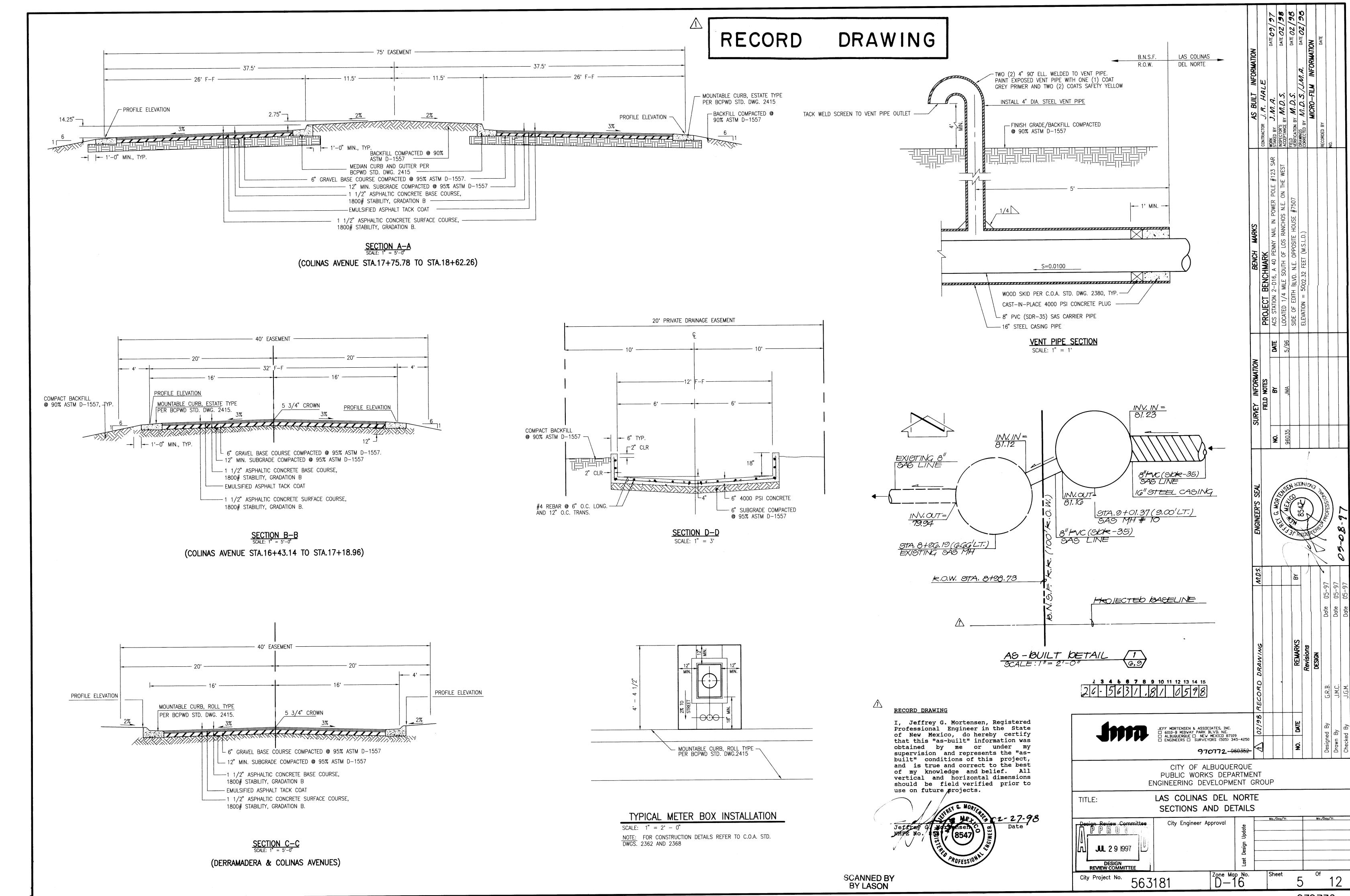
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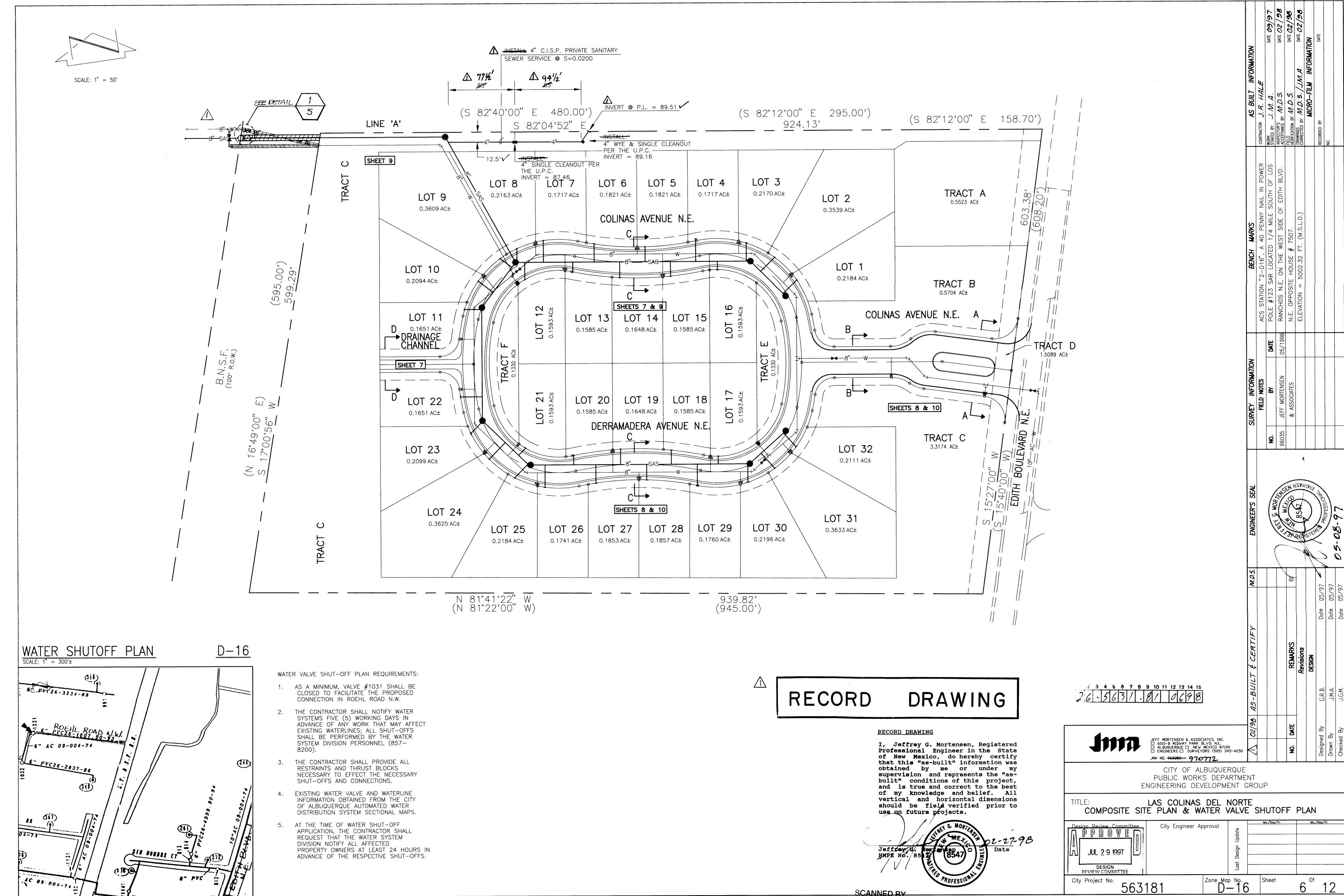
JEFF MORTENSEN & ASSOCIATES, INC. ☐ 6010-B MIDWAY PARK BLVD. N.E. ☐ ALBUQUERQUE ☐ NEW MEXICO 87109 ☐ ENGINEERS ☐ SURVEYORS (505) 345-4250 JOB #960354





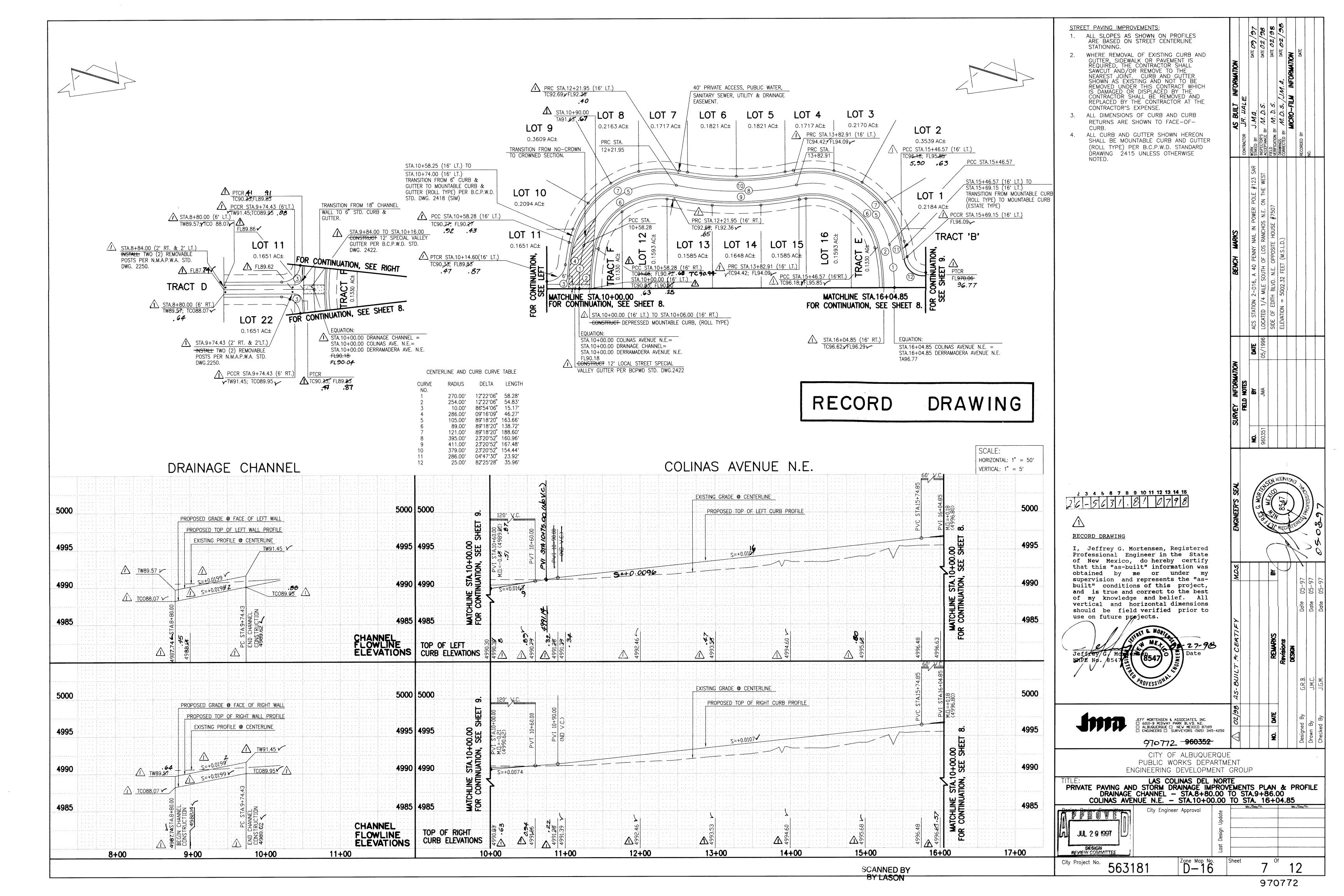
970772 PROJECT # 563181

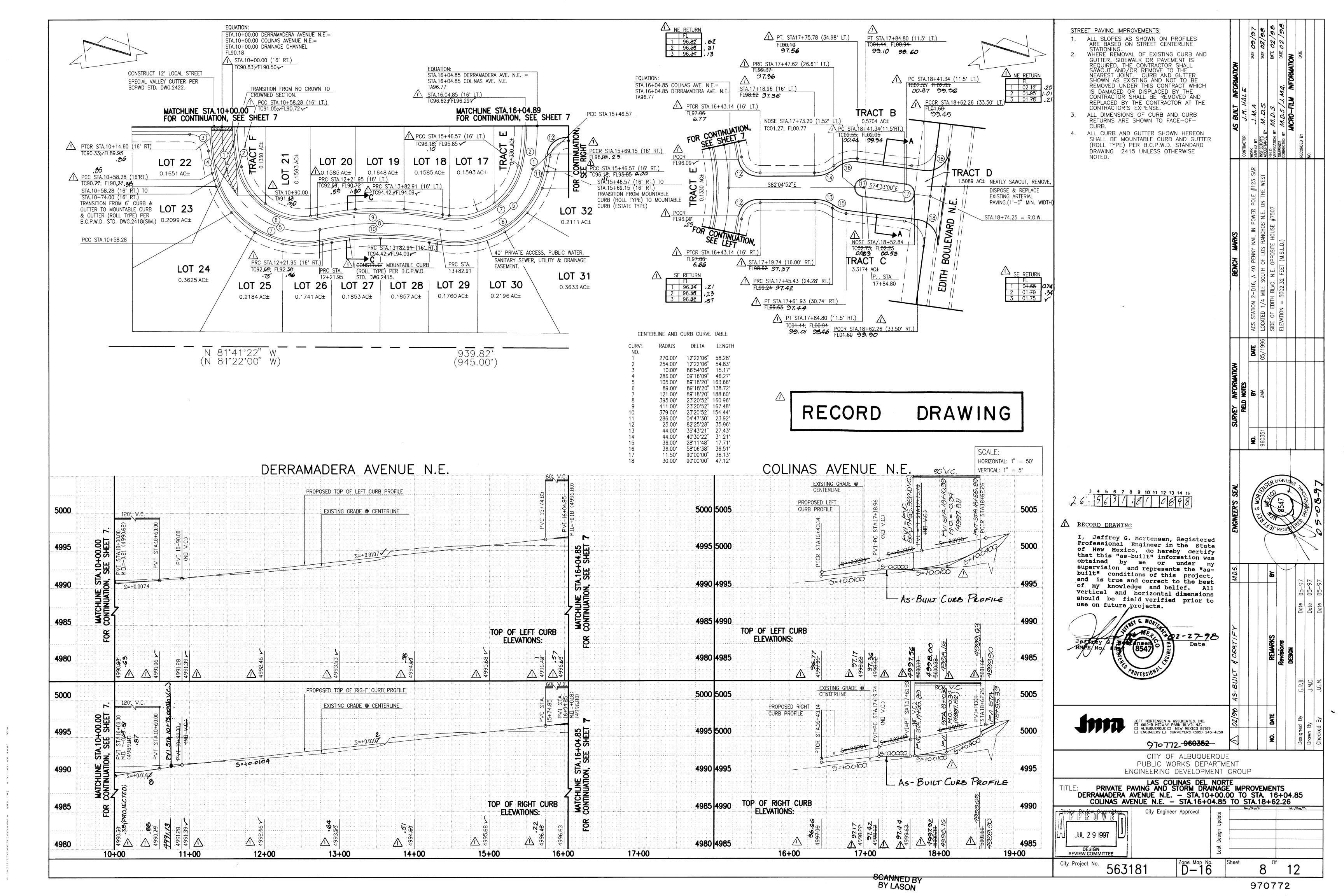


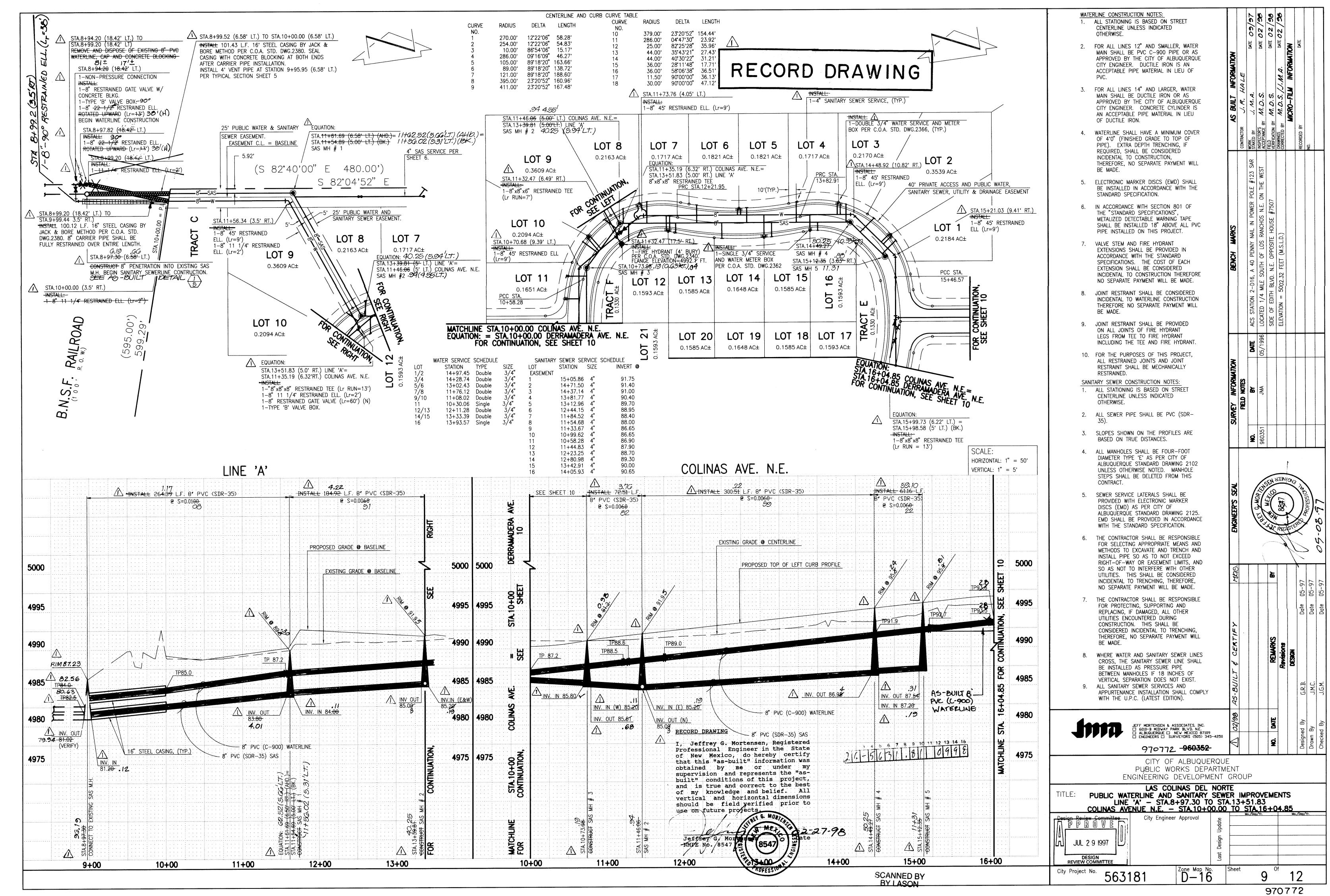


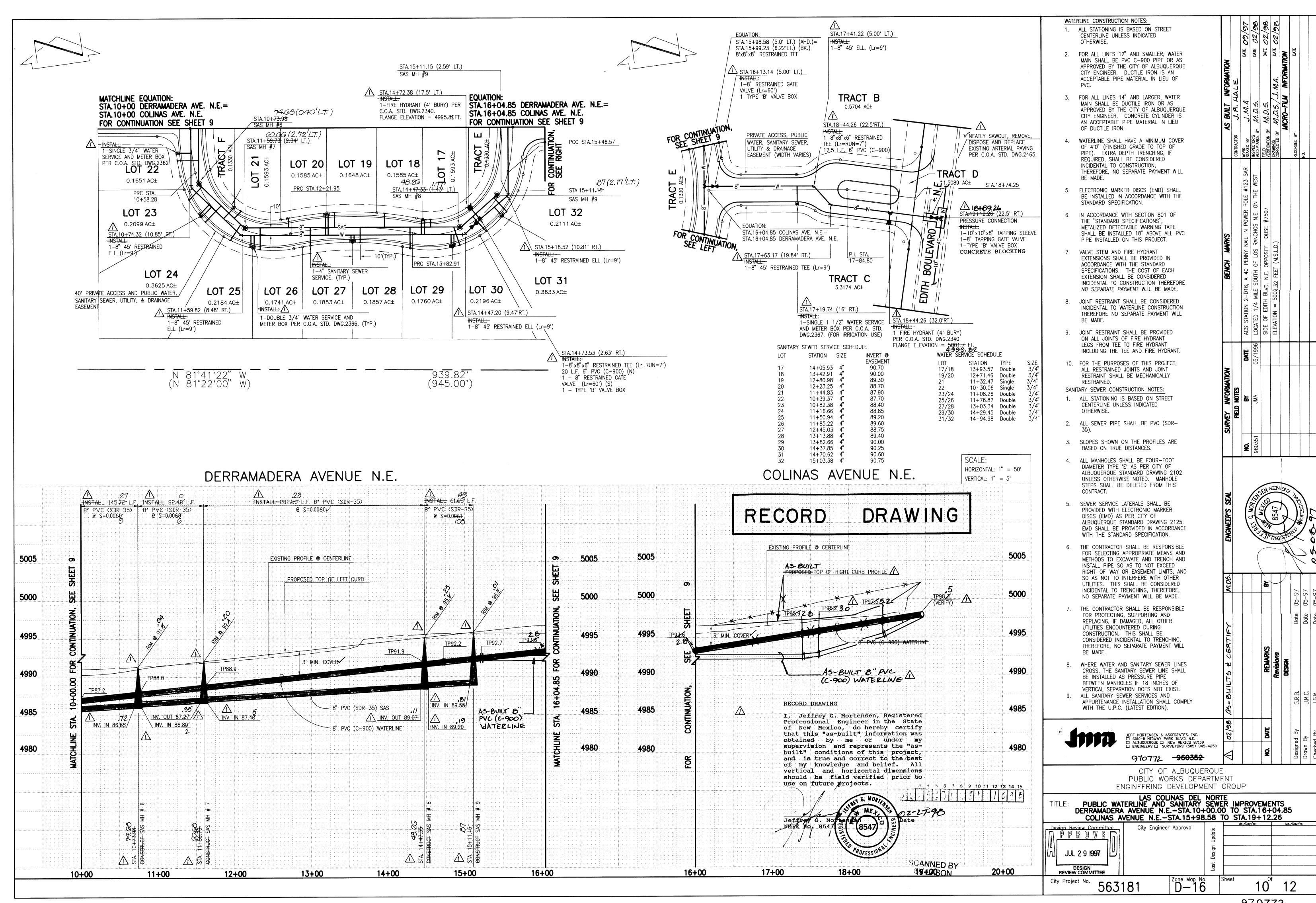
BY LASON

97<del>07</del>72









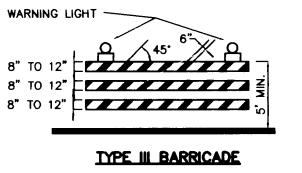
### CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- 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. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 7:00 A.M. OR END WORK AFTER 7:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- 12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
- 13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED 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. 24 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
- 20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

- 21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
- 22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING: 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
- 23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
- 24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
- 25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.
- 26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.

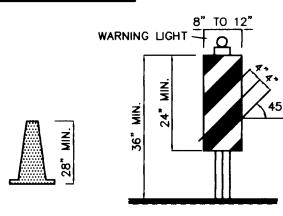
## NOTES:

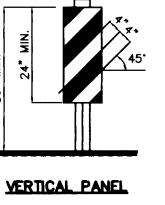
- NO CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY CAN OCCUR WITHOUT AN APPROVED TRAFFIC CONTROL PLAN. THE CONTRACTOR MUST SUBMIT A TRAFFIC CONTROL PLAN TO THE BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT A MINIMUM OF FOUR (4) WORKING DAYS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY.
- FOR THE PURPOSES OF THIS PROJECT, "CONSTRUCTION COORDINATION" SHALL BE REPLACED WITH "TRAFFIC CONTROL MANAGER, TRAFFIC CONTROL DIVISION, BERNALILLO PUBLIC WORKS DEPARTMENT". CONTACT MARTIN J. GARCIA, P.E., (848-1543), 2400 BROADWAY S.E.
- THE PARKING OF CONSTRUCTION EQUIPMENT OR VEHICLES WITHIN PUBLIC RIGHT-OF-WAY SHALL NOT BE PERMITTED

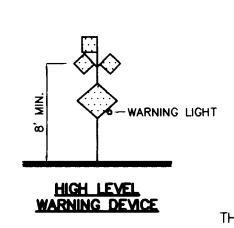


BASE VARIES

<u>CONES</u>







WORK ZONE

## **LEGEND**

WORK AREA BARRICADE - TYPE I, TYPE II, OR BARREL BARRICADE - TYPE III

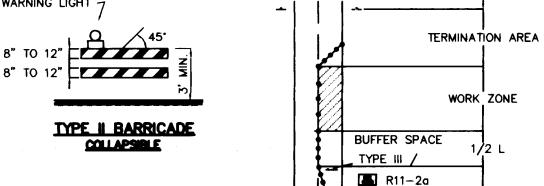
VERTICAL PANEL

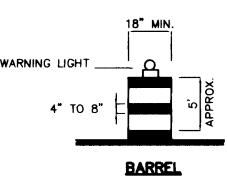
DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET

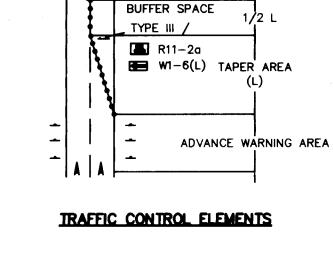
SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET

TAPER LENGTH - SEE CHART BELOW THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

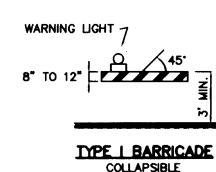






#### MINIMUM MAXIMUM DEVICE NUMBER | SPACING IN FEET DEVICES LANE LANE FOR TAPER 75 70 80 20 105 115 125 25

ALONG | AFTER (MPH) TAPER | TAPER 150 165 180 30 30 225 245 35 270 295 320 40 450 495 540 500 550 600 13 50 550 605 660



RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DIST BETWEEN SIGNS	TANCE 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

> 1/2 L MINIMUM 1/2 L MINIMUM

100 FEET MAXIMUM

100 FEET PER LANE

## TAPER LENGTH COMPUTATION

85-PERCENTILE SPEED IN MPH

563 | 8 |

SPEED LIMIT 40 MPH OR LESS 45 MPH OR GREATER  $L = W \times S$ 

SHIFTING TAPER

SHOULDER TAPER

TWO-WAY TRAFFIC TAPER

DOWNSTREAM TAPERS

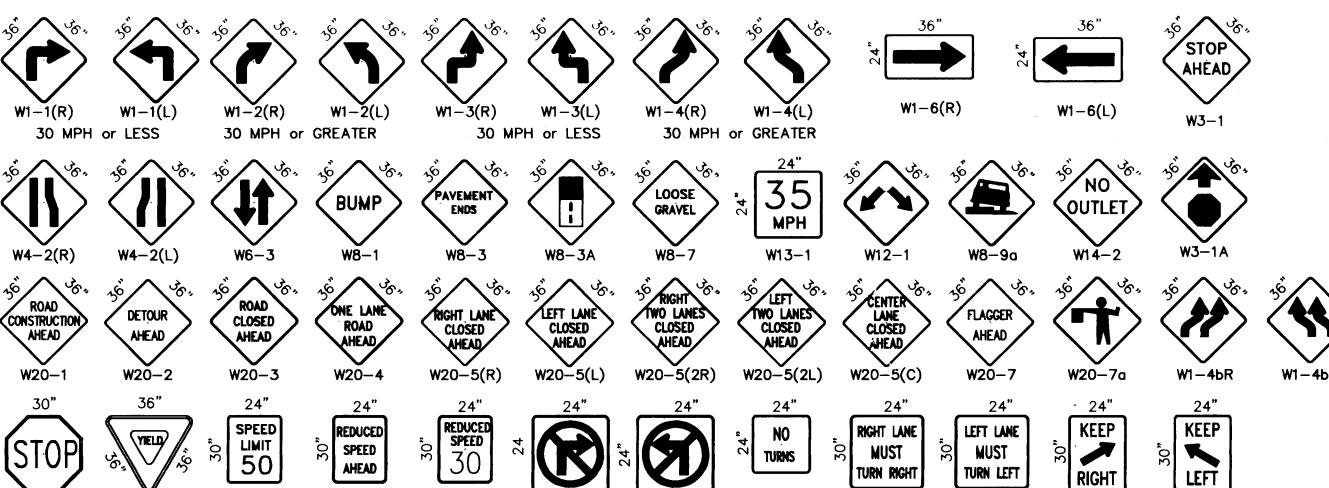
L = TAPER LENGTHW = WIDTH OF OFFSET IN FEET S = POSTED SPEED OR OFF-PEAK

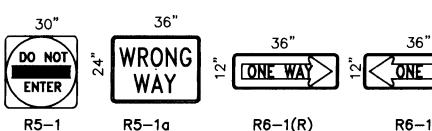
26-56311811198

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP LAS COLINAS DEL NORTE SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS DESIGN REVIEW COMMITEE | CITY ENGINEER APPROVAL PROJECT MAP D-16 SHEET,

JMA NO. 960352 970772

SIGN FACE DETAILS





THRU TRAFFIC KEEP

**SPECIAL** 

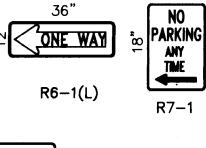
SIGN

THRU
TRAFFIC
KEEP
RIGHT

R2-1

PREPARED TO

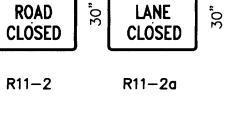
SIGN 30



ACCESS

**SPECIAL** 

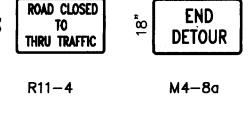
SIGN



ALL CONSTRUCTION WARNING SIGNS

SHALL HAVE A BLACK LEGEND ON A

ORANGE BACKGROUND.

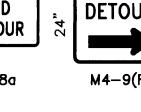


DETOUR

M4-10(R)

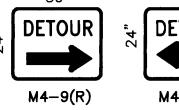
R3-7(L)

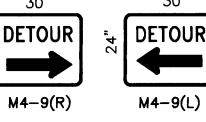
R3 - 7(R)



CDETOUR

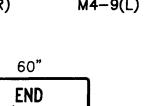
M4-10(L)





CONSTRUCTION

G20-2



CANNED BY BYLASON

REW. DES

M.05

