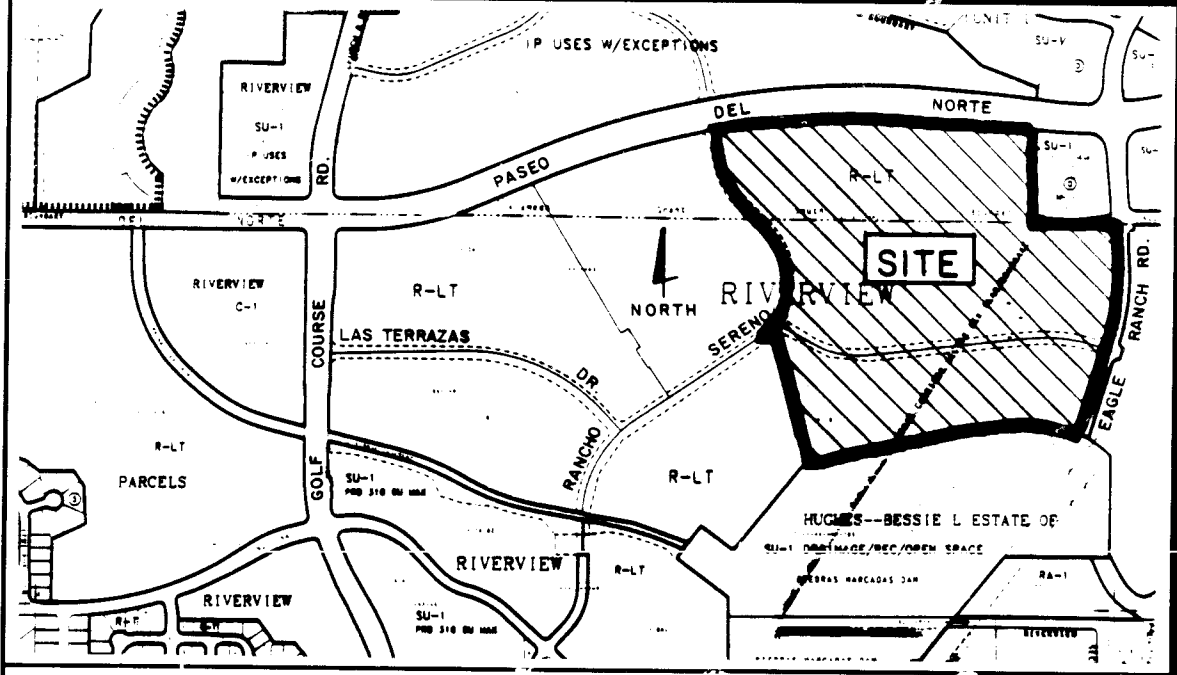


CONSTRUCTION PLANS FOR:  
RANCHO SERENO SUBDIVISION  
UNIT IV  
ALBUQUERQUE, NEW MEXICO

| INDEX                           |                                                        |
|---------------------------------|--------------------------------------------------------|
| SHEET NUMBER                    | DESCRIPTION                                            |
| 1                               | TITLE SHEET                                            |
| 2-4                             | PLAT                                                   |
| 5-8                             | FINAL GRADING AND DRAINAGE PLANS                       |
| 9                               | GRADING AND DRAINAGE DETAILS                           |
| 10                              | OVERALL PAVING PLAN                                    |
| PAVING PLAN AND PROFILE SHEETS: |                                                        |
| 11-12                           | RANCHO MILAGRO                                         |
| 13-14                           | RANCHO GUSTO                                           |
| 15                              | RANCHO PLENO/EASEMENT 'A'                              |
| 16                              | RANCHO COLINA/VECINO                                   |
| 17                              | RANCHO VERANO/VENTOSO                                  |
| 18                              | RANCHO VISTOSO                                         |
| 19                              | EAGLE RANCH ROAD                                       |
| 20                              | INTERSECTION PLAN:<br>EAGLE RANCH ROAD/PASEO DEL NORTE |

| INDEX                                |                                       |
|--------------------------------------|---------------------------------------|
| SHEET NUMBER                         | DESCRIPTION                           |
| STORM DRAIN PLAN AND PROFILE SHEETS: |                                       |
| 21                                   | RANCHO CENTRO STORM DRAIN             |
| 22                                   | RANCHO PARAISO STORM DRAIN            |
| 23                                   | RANCHO VISTOSO STORM DRAIN            |
| 24                                   | RANCHO GUSTO STORM DRAIN              |
| 25                                   | RANCHO MILAGRO STORM DRAIN            |
| 26                                   | EAGLE RANCH ROAD STORM DRAIN          |
| 27                                   | RANCHO PLENO/EASEMENT 'A' STORM DRAIN |
| 28                                   | OVERALL UTILITY PLAN                  |
| UTILITY PLAN AND PROFILE SHEETS:     |                                       |
| 29-30                                | RANCHO MILAGRO                        |
| 31-32                                | RANCHO GUSTO                          |
| 33                                   | RANCHO PLENO/EASEMENT 'A' SAS         |
| 34                                   | RANCHO COLINA/VECINO                  |
| 35                                   | RANCHO VERANO/VENTOSO                 |
| 36                                   | RANCHO VISTOSO                        |
| 37                                   | EAGLE RANCH ROAD                      |
| 38                                   | CMU RETAINING WALL DETAILS            |



VICINITY MAP  
NOT TO SCALE  
C-12

- NOTICE TO CONTRACTORS
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AND SHALL INCLUDE UPDATE No. 6 REVISIONS, DELETIONS, AND ADDITIONS DATED JULY 14, 1995.
  - TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
  - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
  - THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
  - ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
  - CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
  - ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) HOUR CONSTRUCTION.
- THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
  - ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
  - ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
  - ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
  - ☒ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
  - ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
  - ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

*Actual and collector street work will be restored. See Construction Coordinator*

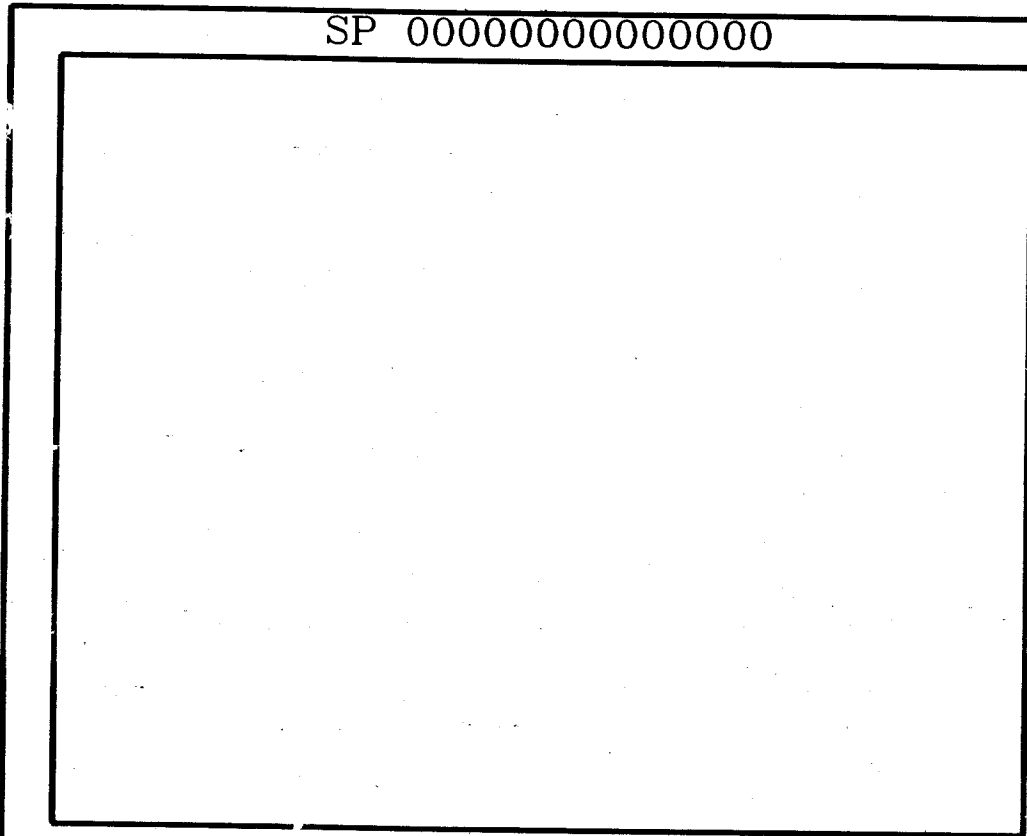
APPROVAL OF AS BUILT DRAWINGS  
CITY ENGINEER  
*[Signature]*  
DATE 10-18-96

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  
20-4669-196 01/96

RECORD DRAWING  
DATE: \_\_\_\_\_

SCANNED BY  
BY LASON

|                                                                                         |         |                                                                        |
|-----------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------|
| BOHANNAN HUSTON INC.<br>ALBUQUERQUE, NEW MEXICO<br>ENGINEERS PLANNERS PHOTOGRAMMETRISTS |         | APPROVED FOR<br>CONSTRUCTION<br><i>[Signature]</i><br>11/19/96<br>C.E. |
| PROJECT NUMBER                                                                          | 4569.96 | SHEET 1 OF 38                                                          |



SP 00000000000000

LOCATION MAP

ONE ATLAS INDEX MAP TO C-12  
NOT TO SCALE

SUBDIVISION DATA

1. DRB No.
2. Gross subdivision acreage: 50.5881 Acres
3. Total number of parcels created: one hundred and eleven (111) lots and two tracts.
4. 7.5666 acres of public street right-of-way dedicated with the filing of this plat.
5. This plat shows existing easements.
6. Date of survey: May 1994
7. This site is located within the Town of Alameda Grant, in projected Section 13, T11N, R2E, N.M.P.M.

NOTES

1. Bearings are New Mexico State Plane Grid Bearings (Central Zone).
2. Distances are ground distances.
3. Centerline (in lieu of R/W) monumentation to be installed at all centerline PC's, PT's, angle points, and street intersections prior to acceptance of subdivision improvements and will consist of a standard four-inch (4") aluminum alloy cap stamped "City of Albuquerque, Centerline Monumentation, Survey Marker, Do Not Disturb, PLS 5978".
4. City of Albuquerque Water and Sanitary Sewer Services to RANCHO SERENO SUBDIVISION UNIT IV must be verified and coordinated with the Public Works Department, City of Albuquerque.
5. Tract "A" is dedicated to the City of Albuquerque for Storm Drainage, Public Utility Easement, and Pedestrian Access Right-of-Way.
6. Lots 411 thru 511 inclusive are designated as "P-1" Lots and shall conform to item 1, Intermittent Parking Criteria. This requires four (4) off street parking spaces per lot for homes containing four (4) bedrooms or less, which can be provided by a two-car garage with driveway. Homes containing five (5) bedrooms will require three-car garages.

DISCLOSURE STATEMENT

The purpose of this replat is to subdivide Tract F-1, grant easements, and to dedicate public street right-of-way.

PUBLIC UTILITY EASEMENTS

PUBLIC UTILITY EASEMENTS shown on this plat are ten (10) feet wide and are for the common joint use of:

- A. The Public Service Company of New Mexico for the installation, maintenance, and service of overhead and underground electrical lines, transformers, and other equipment, fixtures, structures and related facilities reasonably necessary to provide electrical service.
- B. The Gas Company of New Mexico for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.
- C. J.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.
- D. Jones-Interable for the installation, maintenance, and service of such lines, cable, 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 purpose 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 (above ground 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 National Electric Safety Code caused by construction of pools, decking, or any structures adjacent to or near easements shown on this plat.

DATE:

RECORD DRAWING



DESCRIPTION

A certain tract of land situate within the Town of Atrisco Grant, in projected Section 13, Township 11 North, Range 2 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico. Said tract being Tract F-1, RANCHO SERENO SUBDIVISION, UNIT IIIB, filed in the office of the County Clerk of Bernalillo County, New Mexico on June 27, 1995, in Volume 95C, folio 233, and being more particularly described by New Mexico State Plane Grid Bearings (Central Zone) and ground distances as follows:

BEGINNING at a point on the westerly right-of-way line of Eagle Ranch Road N.W. and the southeast corner of said Tract F-1, whence the City of Albuquerque survey monument "R. Alameda B. No. 2", having New Mexico State Plane Grid Coordinates for the Central Zone, X=373,513.20, Y=1,520,142.81, bears N75°03'15"E a distance of 418.82 feet; thence running along the southerly boundary line of said Tract F-1, S65°30'13"W a distance of 218.43 feet to a point on curve; thence, 202.19 feet along the arc of a curve to the left having a radius of 600.00 feet and a chord bearing S88°26'27"W a distance of 201.23 feet to a point of tangency; thence, S78°47'13"W a distance of 70.00 feet to a point; thence, S77°00'08"W a distance of 494.71 feet to the southeast corner of Lot 315 of said RANCHO SERENO SUBDIVISION, UNIT IIIB; thence running along the easterly boundary line of said Lot 315 and Lot 316 of said SUBDIVISION, N12°59'52"W a distance of 200.00 feet to the northeasterly corner of said Lot 316; thence running along the northerly boundary line of said Lot 316; S77°00'09"W a distance of 114.49 feet to the northwest corner of said Lot 316 and a point on the easterly right-of-way line of Rancho Centro; thence crossing said Rancho Centro, N85°33'33"W a distance of 50.11 feet to a point on the westerly right-of-way line of said Rancho Centro; thence running along a transition curve, 63.32 feet along the arc of a curve to the right having a radius of 50.00 feet and a chord bearing S40°43'17"W a distance of 59.17 feet to a point of tangency; thence running along the northerly right-of-way line of said Rancho Centro, S77°00'08"W a distance of 58.00 feet to the southwesterly corner of said Tract F-1; thence running along the westerly boundary line of said Tract F-1, N12°59'52"W a distance of 590.00 feet to a point; thence, S77°00'08"W a distance of 72.66 feet to a point on the easterly right-of-way line of Rancho Sereno; thence running along said easterly right-of-way line and the said westerly boundary line of said Tract F-1, 331.20 feet along the arc of a curve to the left having a radius of 405.00 feet and a chord bearing N01°04'53"W a distance of 322.05 feet to a point; thence, N65°29'28"E a distance of 9.00 feet to a point of tangency; thence, 157.19 feet along the arc of a curve to the left having a radius of 414.00 feet and a chord bearing N35°23'11"W a distance of 156.25 feet to a point of curvature; thence, N46°15'50"W a distance of 149.06 feet to a point of curvature; thence, 214.57 feet along the arc of a curve to the right having a radius of 346.00 feet and a chord bearing N28°29'53"W a distance of 211.15 feet to a point of tangency; thence, N10°43'57"W a distance of 107.61 feet to a point of curvature; thence running along a transition curve, 79.59 feet along the arc of a curve to the right having a radius of 50.00 feet and a chord bearing N34°52'01"E a distance of 71.45 feet to a point of compound curvature on the southerly right-of-way line of Paseo del Norte N.W.; thence running along said southerly right-of-way line and the northerly boundary line of said Tract F-1, 1067.21 feet along the arc of a curve to the right having a radius of 4063.66 feet and a chord bearing N87°59'25"E a distance of 1064.14 feet to a point (non-tangent); thence, S84°28'33"E a distance of 441.49 feet to the northeast corner of said Tract F-1; thence leaving said right-of-way line and running along the easterly boundary line of said Tract F-1, S00°21'09"W a distance of 142.77 feet to a point; thence, S89°36'54"E a distance of 140.02 feet to a point; thence, S00°23'06"W a distance of 38.00 feet to a point; thence, N81°55'34"E a distance of 210.56 feet to a point of curvature; thence, 41.36 feet along the arc of a curve to the right having a radius of 25.00 feet and a chord bearing S07°40'38"E a distance of 36.80 feet to a point of tangency on the said westerly right-of-way line of Eagle Ranch Road N.W.; thence running along said right-of-way line, S03°16'51"E a distance of 142.77 feet to a point of curvature; thence, 378.75 feet along the arc of a curve to the right having a radius of 1052.00 feet and a chord bearing S07°01'59"W a distance of 376.71 feet to a point of tangency; thence, S17°20'50"W a distance of 359.16 feet to the point and place of beginning.

Tract F-1 contains 50.5881 acres, more or less.

FREE CONSENT AND DEDICATION

The foregoing recapt of that certain tract of land situate within the Town of Alameda Grant, in projected Section 13, T11N, R2E, N.M.P.M., Albuquerque, Bernalillo County, New Mexico, being TRACT F-1, RANCHO SERENO SUBDIVISION, UNIT IIIB, as the same is shown and designated on the plat filed for record in the office of the County Clerk of Bernalillo County, New Mexico on June 27, 1995, in Volume 95C, folio 233, and now hereon shown and comprising RANCHO SERENO SUBDIVISION, UNIT IV, is with the free consent and in accordance with the desired of the undersigned owner(s) and/or proprietor(s) thereof. Said owner(s) and/or proprietor(s) do hereby dedicate 7.5666 acres of public street right-of-way to the City of Albuquerque in Fee Simple with Warranty Covenants and do hereby dedicate Tract "A" to the City of Albuquerque in Fee Simple with Warranty Covenants as Pedestrian Access Right-of-Way and as a Storm Drainage and Sanitary Sewer Easement, on do hereby grant all easements shown on this plat. Electrical power and communication easements are reserved for buried distribution lines, conduits, and pipes for underground utilities and other related equipment where shown or indicated, including the right of ingress and egress, and the right to trim trees and shrubs.

CENTEX REAL ESTATE CORPORATION

Tom Houser, President

State of New Mexico)

County of Bernalillo )

This instrument was acknowledged before me on \_\_\_\_\_ day of \_\_\_\_\_, 1995 by Tom Houser, President of CENTEX REAL ESTATE CORPORATION, a Nevada Corporation, on behalf of said Corporation.

My commission expires: \_\_\_\_\_

Notary Public

PLAT OF  
RANCHO SERENO SUBDIVISION  
UNIT IV

ALBUQUERQUE, NEW MEXICO  
OCTOBER, 1995

APPROVALS

|                                                                  |            |
|------------------------------------------------------------------|------------|
| PLAT NUMBER _____                                                |            |
| PLANNING DIRECTOR _____                                          | DATE _____ |
| CITY ENGINEER _____                                              | DATE _____ |
| A.M.A.F.C.A. _____                                               | DATE _____ |
| TRAFFIC ENGINEER _____                                           | DATE _____ |
| CITY SURVEYOR _____                                              | DATE _____ |
| PROPERTY MANAGEMENT _____                                        | DATE _____ |
| UTILITY DEVELOPMENT DEPARTMENT _____                             | DATE _____ |
| PARKS AND GENERAL SERVICES DEPARTMENT _____                      | DATE _____ |
| PUBLIC SERVICE COMPANY OF NEW MEXICO _____                       | DATE _____ |
| U.S. WEST COMMUNICATIONS _____                                   | DATE _____ |
| GAS COMPANY OF NEW MEXICO _____                                  | DATE _____ |
| JONES INTERCABLE _____                                           | DATE _____ |
| THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON UPC# _____ |            |
| PROPERTY OWNER OF RECORD: _____                                  |            |
| BERNALILLO COUNTY TREASURER'S OFFICE _____                       | DATE _____ |

SURVEYOR'S CERTIFICATION

I, Thomas G. Klingenhagen, a registered Professional New Mexico Surveyor, certify that this plat was prepared by me or under my supervision, shows all easements of record, and conforms to the Minimum Requirements of the Board of Registration for Professional Engineers and Professional Surveyors in February 1984 and meets the minimum requirements for monumentation and surveys contained in the Albuquerque Subdivision Ordinance, and is true and accurate to the best of my knowledge and belief.

Bohannon-Huston Inc. \_\_\_\_\_  
Courtney I. \_\_\_\_\_  
7500 Jefferson Street, N.E. \_\_\_\_\_  
Albuquerque, New Mexico 87109 Date: \_\_\_\_\_  
Thomas G. Klingenhagen  
New Mexico Professional Surveyor 5978



BOHANNAN-HUSTON INC.  
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS  
ALBUQUERQUE LAS CRUCES SANTA FE

SHEET 1 OF 3

C:\VAD\200\QVAL\PI\S9520782\SHEET1.DWG 10/13/95



Sheet 4  
of 38

26 4569.98 - 96



**LEGEND**

PROJECT BOUNDARY  
EXISTING CONTOUR  
EXISTING SPOT ELEVATION  
PROPOSED SPOT ELEVATION  
DIRECTION OF FLOW  
PHASE BOUNDARY  
EROSION CONTROL BERM  
PROPOSED RETAINING WALL  
EXISTING STORM DRAIN LINE  
EXISTING STORM DRAIN MANHOLE  
EXISTING STORM DRAIN INLET  
PROPOSED STORM DRAIN LINE  
PROPOSED STORM DRAIN MANHOLE  
PROPOSED STORM DRAIN INLET  
TURNED BLOCK LOCATION

NOTE: SPOT ELEVATIONS SHOWN AT CURB  
DENOTE TOP OF CURB ELEVATIONS

**GENERAL GRADING NOTES:**

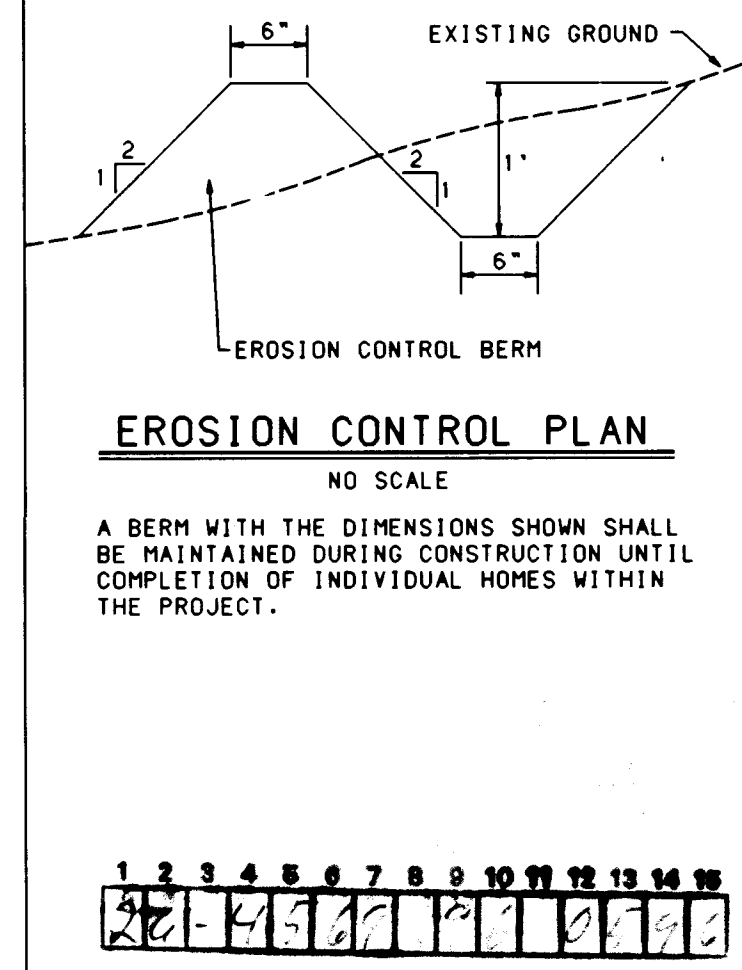
1. THE CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE, ENVIRONMENTAL HEALTH DIV., PRIOR TO CONSTRUCTION.

2. THE CONTRACTOR IS TO REFER TO THE EARTHWORK SPECIFICATIONS NOTED IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY VINEYARD AND ASSOCIATES, DATED JUNE 16, 1993 AND SUPPLIED BY THE OWNER.

3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS, PERMITS AND APPROVALS.

**EROSION CONTROL PLAN:**

THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS AS PER DETAIL THIS SHEET AND WETTING THE SOIL REGULARLY TO KEEP IT FROM BLOWING.

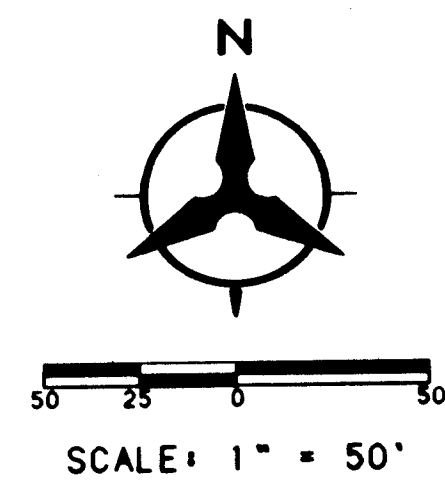
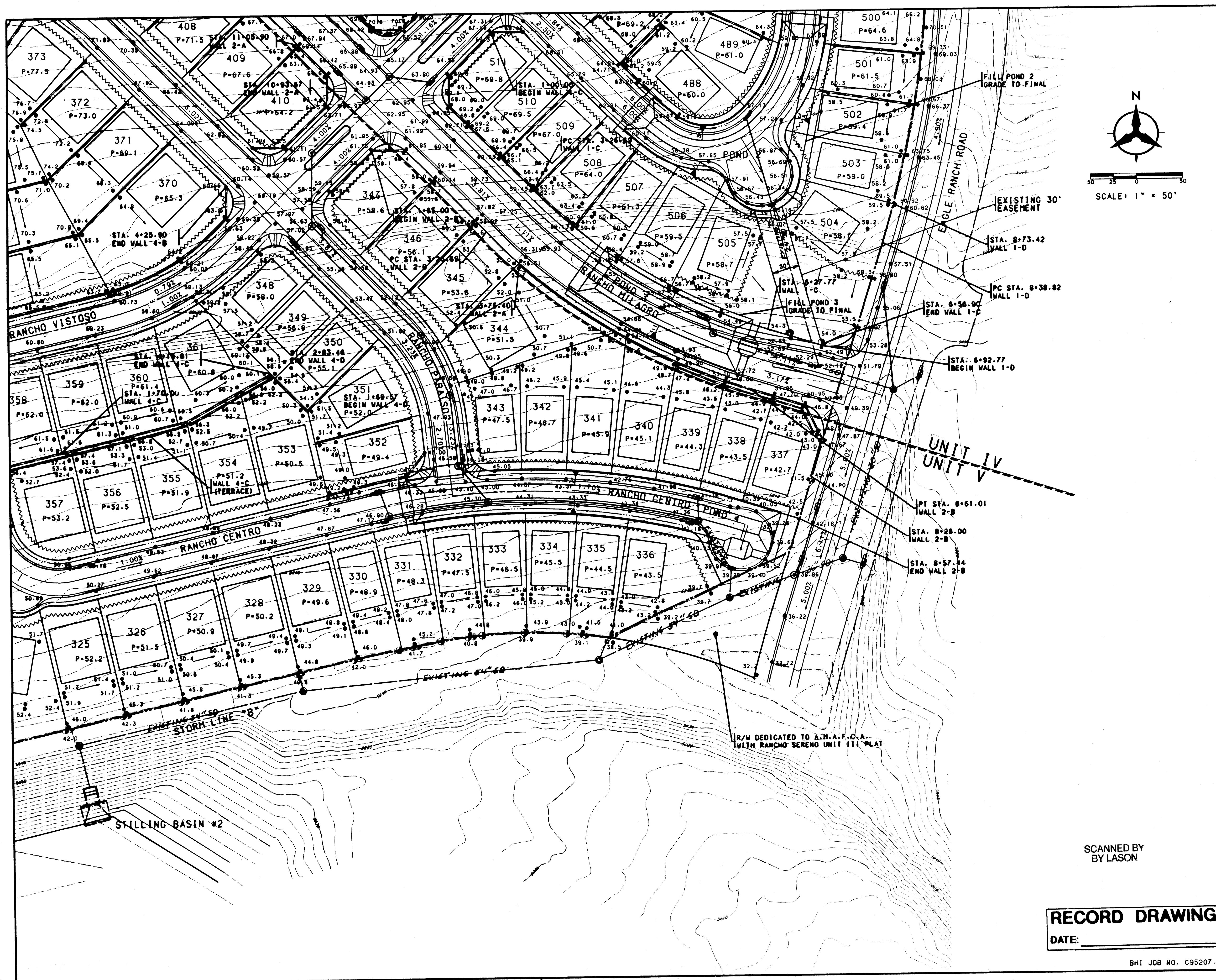


**CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP**

**RANCHO SERENO SUBDIVISION - UNIT IV  
FINAL GRADING & DRAINAGE PLAN**

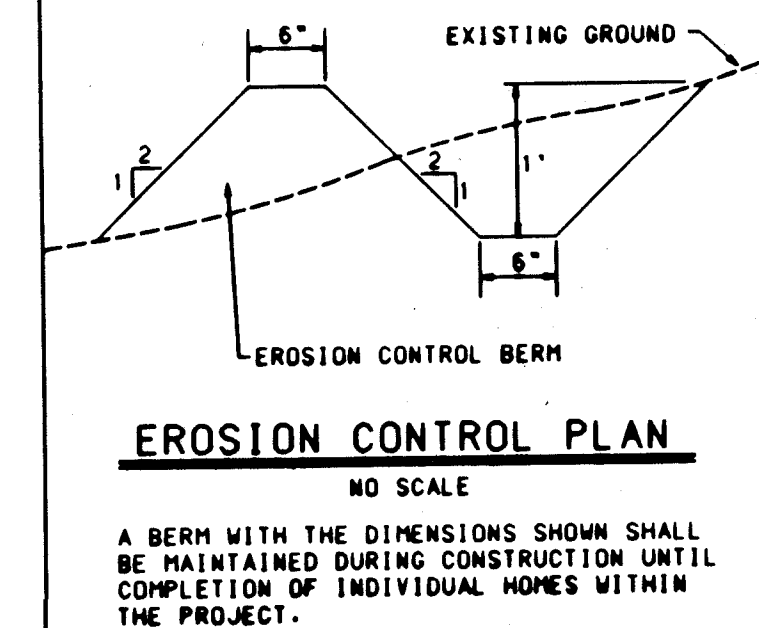
| APPROVALS      | ENGINEER | DATE     | APPROVALS   | ENGINEER | DATE |
|----------------|----------|----------|-------------|----------|------|
| DRC CHAIRMAN   |          |          | WATER       |          |      |
| TRANSPORTATION | WLA BHO  | 11-29-95 | WASTE WATER |          |      |
| HYDROLOGY      |          |          | MAJOR       |          |      |

DRAWING NO. 4569.96 MAP NO. C-12 SHEET 5 OF 38  
DATE: 11/29/95



| LEGEND                       |         |
|------------------------------|---------|
| PROJECT BOUNDARY             | ---     |
| EXISTING CONTOUR             | ---     |
| EXISTING SPOT ELEVATION      | 45.5    |
| PROPOSED SPOT ELEVATION      | 45.5    |
| DIRECTION OF FLOW            | S-2.98% |
| PHASE BOUNDARY               | ---     |
| EROSION CONTROL BERM         | ---     |
| PROPOSED RETAINING WALL      | ---     |
| EXISTING STORM DRAIN LINE    | SD      |
| EXISTING STORM DRAIN MANHOLE | SD      |
| EXISTING STORM DRAIN INLET   | SD      |
| PROPOSED STORM DRAIN LINE    | SD      |
| PROPOSED STORM DRAIN MANHOLE | SD      |
| PROPOSED STORM DRAIN INLET   | SD      |
| TURNED BLOCK LOCATION        | SD      |

NOTE: SPOT ELEVATIONS SHOWN AT CURB DENOTE TOP OF CURB ELEVATIONS



11/23/95  
20-21309-196 0096

SCANNED BY  
BY LASON

**RECORD DRAWING**

DATE: \_\_\_\_\_

BHI JOB NO. C95207-01

| AS-BUILT INFORMATION |      | BENCH MARKS                           |                                                                                                                                                                                                                                                                                           | SURVEY INFORMATION |    | FIELD NOTES |    |
|----------------------|------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-------------|----|
| CONTRACTOR           | DATE | STATION MARK IS A STANDARD USGS BRASS | TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448, IN A FENCED-IN PRAIRIE. | NO.                | BY | NO.         | BY |
| STARTED BY           | DATE | ACCEPTANCE BY                         | DATE                                                                                                                                                                                                                                                                                      | NO.                | BY | NO.         | BY |
| REVISIONS            | DATE | REVISIONS                             | DATE                                                                                                                                                                                                                                                                                      | NO.                | BY | NO.         | BY |
| DESIGNED BY          | DATE | DRAWN BY                              | DATE                                                                                                                                                                                                                                                                                      | NO.                | BY | NO.         | BY |
| CHECKED BY           | DATE | CHECKED BY                            | DATE                                                                                                                                                                                                                                                                                      | NO.                | BY | NO.         | BY |

DESIGNED BY: MSJ DATE: 10/95  
DRAWN BY: SAR DATE: 10/95  
CHECKED BY: KLD DATE: 10/95

**CITY OF ALBUQUERQUE**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

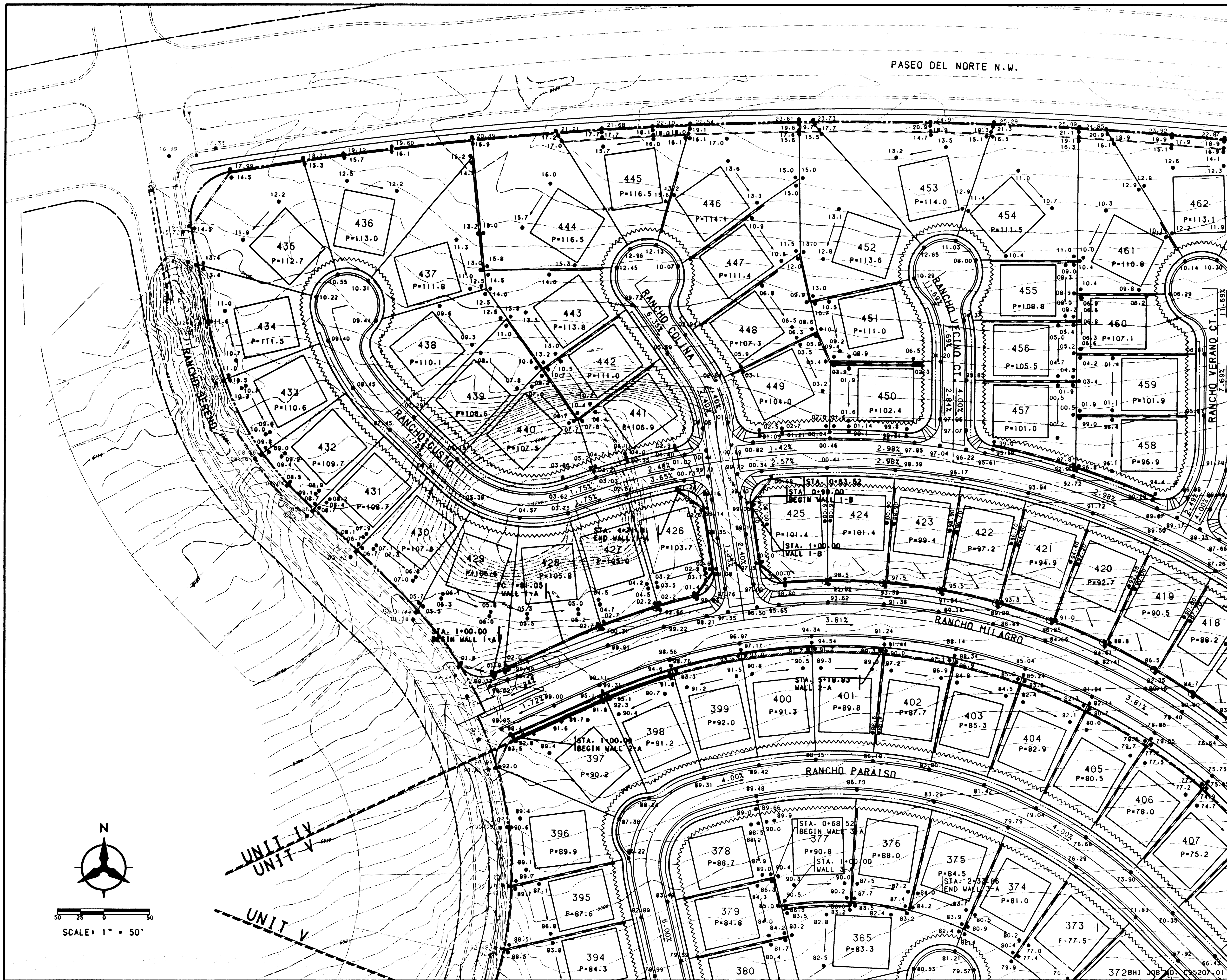
**RANCHO SERENO SUBDIVISION - UNIT IV**  
FINAL GRADING & DRAINAGE PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|-----------|----------|------|-----------|----------|------|
|           |          |      |           |          |      |

DRAWING NO. 4569.96 MAP NO. C-12 SHEET 6 OF 38

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FOR INFORMATION ONLY



**LEGEND**

PROJECT BOUNDARY: ---

EXISTING CONTOUR: ---

EXISTING SPOT ELEVATION: 45.5

PROPOSED SPOT ELEVATION: 45.5

DIRECTION OF FLOW: S-2.98%

PHASE BOUNDARY: ---

EROSION CONTROL BERM: ---

PROPOSED RETAINING WALL: ---

EXISTING STORM DRAIN LINE: SD

EXISTING STORM DRAIN MANHOLE: SD

EXISTING STORM DRAIN INLET: SD

PROPOSED STORM DRAIN LINE: SD

PROPOSED STORM DRAIN MANHOLE: SD

PROPOSED STORM DRAIN INLET: SD

TURNED BLOCK LOCATION: SD

NOTE: SPOT ELEVATIONS SHOWN AT CURB DENOTE TOP OF CURB ELEVATIONS

SCANNED BY LASON

**EROSION CONTROL PLAN**

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

20-456201030792

**RECORD DRAWING**

DATE: \_\_\_\_\_

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

**RANCHO SERENO SUBDIVISION - UNIT IV**  
FINAL GRADING & DRAINAGE PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|-----------|----------|------|-----------|----------|------|
|           |          |      |           |          |      |

DRAWING NO. 4569.96 MAP NO. C-12 SHEET 7 OF 38

| ENGINEER'S SEAL SURVEY INFORMATION |         | BENCH MARKS |         | AS-BUILT INFORMATION |         |
|------------------------------------|---------|-------------|---------|----------------------|---------|
| NO.                                | BY      | NO.         | BY      | NO.                  | BY      |
| DATE                               | DATE    | DATE        | DATE    | DATE                 | DATE    |
| REMARKS                            | REMARKS | REMARKS     | REMARKS | REMARKS              | REMARKS |
| DESIGNED BY                        | MSJ     | DATE        | 10/95   | DESIGNED BY          | MSJ     |
| DRAWN BY                           | SAR     | DATE        | 10/95   | DRAWN BY             | SAR     |
| CHECKED BY                         | KLD     | DATE        | 10/95   | CHECKED BY           | KLD     |

STATION MARK IS A STANDARD USCAR BRASS TABLET, STAMPED "HUGHES, 1984", SET IN TOP ACCEPTANCE BY DATE

OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE FINISH GRADE DATE

THE GROUND, TO REACH THE STATION FROM THE DATE

INTERSECTION OF CENTRAL AVE. AND STATE RD. MICRO-FILM INFORMATION DATE

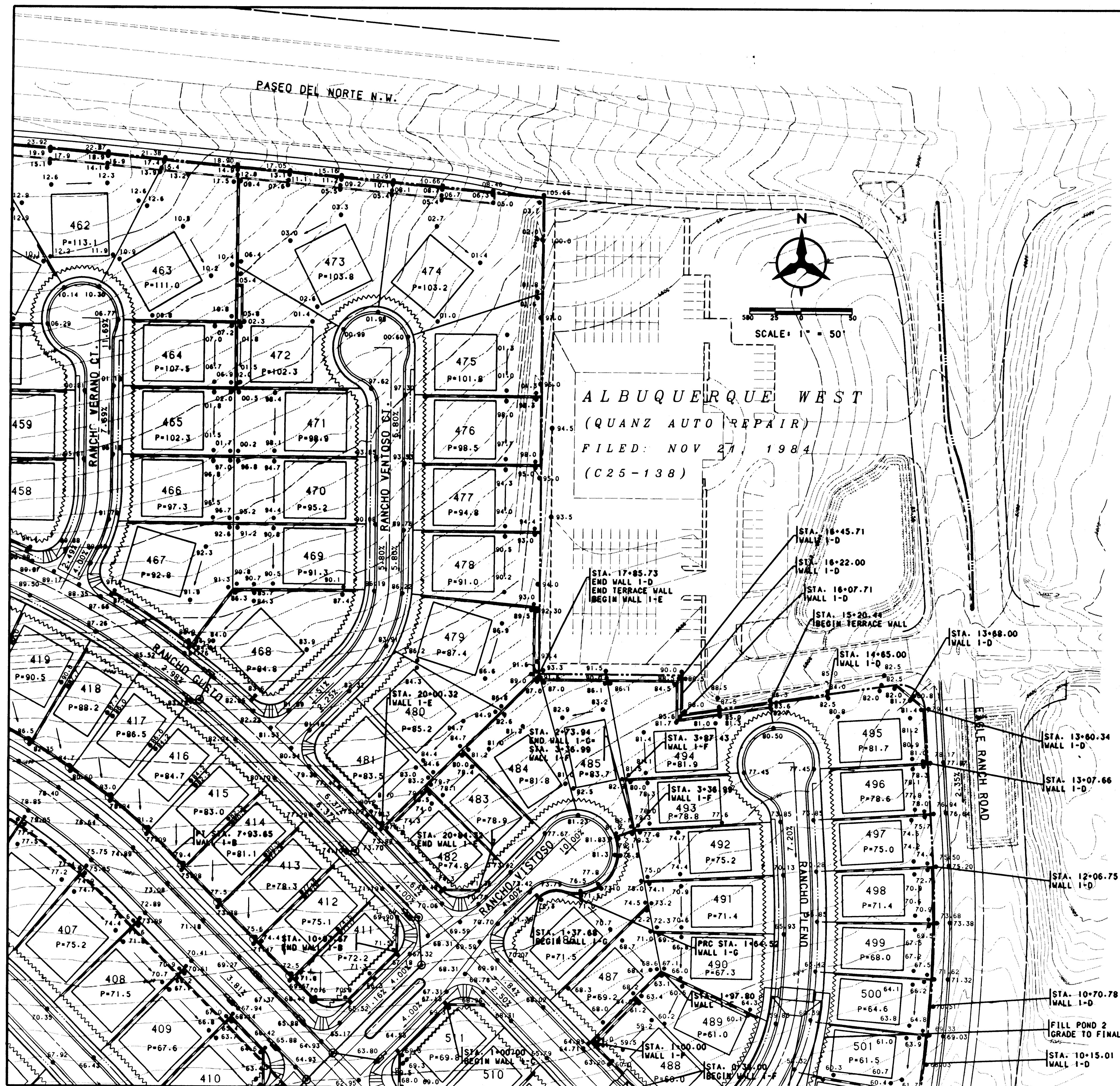
448, 60 NORTH ON STATE RD. 448, 6.1 MILES. RECORDED BY DATE

THE STATION IS 450' WEST OF STATE RD. 448. NO. ELEV. 5049.93

IN A FENCED-IN PRAIRIE.

USER: NAME: C:\P21\CS211\401.PADJ  
FILENAME: GRADES.GM

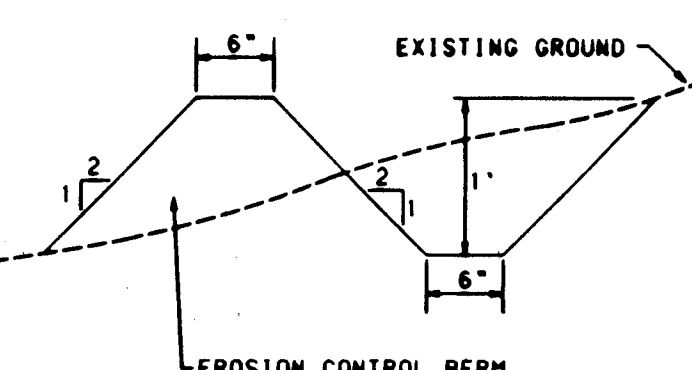
FOR INFORMATION ONLY



| LEGEND                       |         |
|------------------------------|---------|
| PROJECT BOUNDARY             | ---     |
| EXISTING CONTOUR             | ---     |
| EXISTING SPOT ELEVATION      | 45.5    |
| PROPOSED SPOT ELEVATION      | 45.5    |
| DIRECTION OF FLOW            | S-2.98% |
| PHASE BOUNDARY               | ---     |
| EROSION CONTROL BERM         | ---     |
| PROPOSED RETAINING WALL      | ---     |
| EXISTING STORM DRAIN LINE    | SD      |
| EXISTING STORM DRAIN MANHOLE | ○       |
| EXISTING STORM DRAIN INLET   | ○       |
| PROPOSED STORM DRAIN LINE    | SD      |
| PROPOSED STORM DRAIN MANHOLE | ○       |
| PROPOSED STORM DRAIN INLET   | ○       |
| TURNED BLOCK LOCATION        | ○       |

NOTE: SPOT ELEVATIONS SHOWN AT CURB DENOTE TOP OF CURB ELEVATIONS

SCANNED BY LASON



EROSION CONTROL PLAN

NO SCALE  
A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT IV  
FINAL GRADING & DRAINAGE PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|-----------|----------|------|-----------|----------|------|
| CHARTMAN  |          |      | WATER     |          |      |

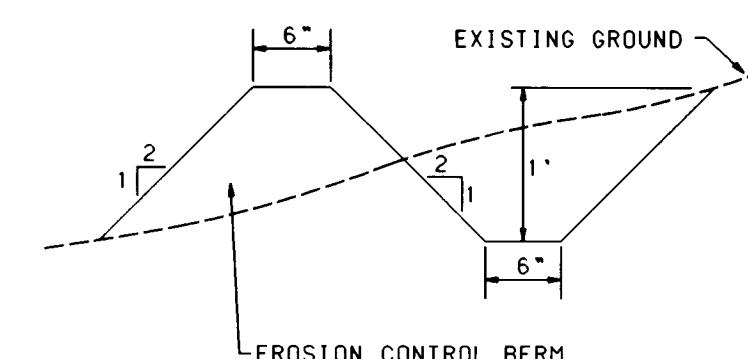
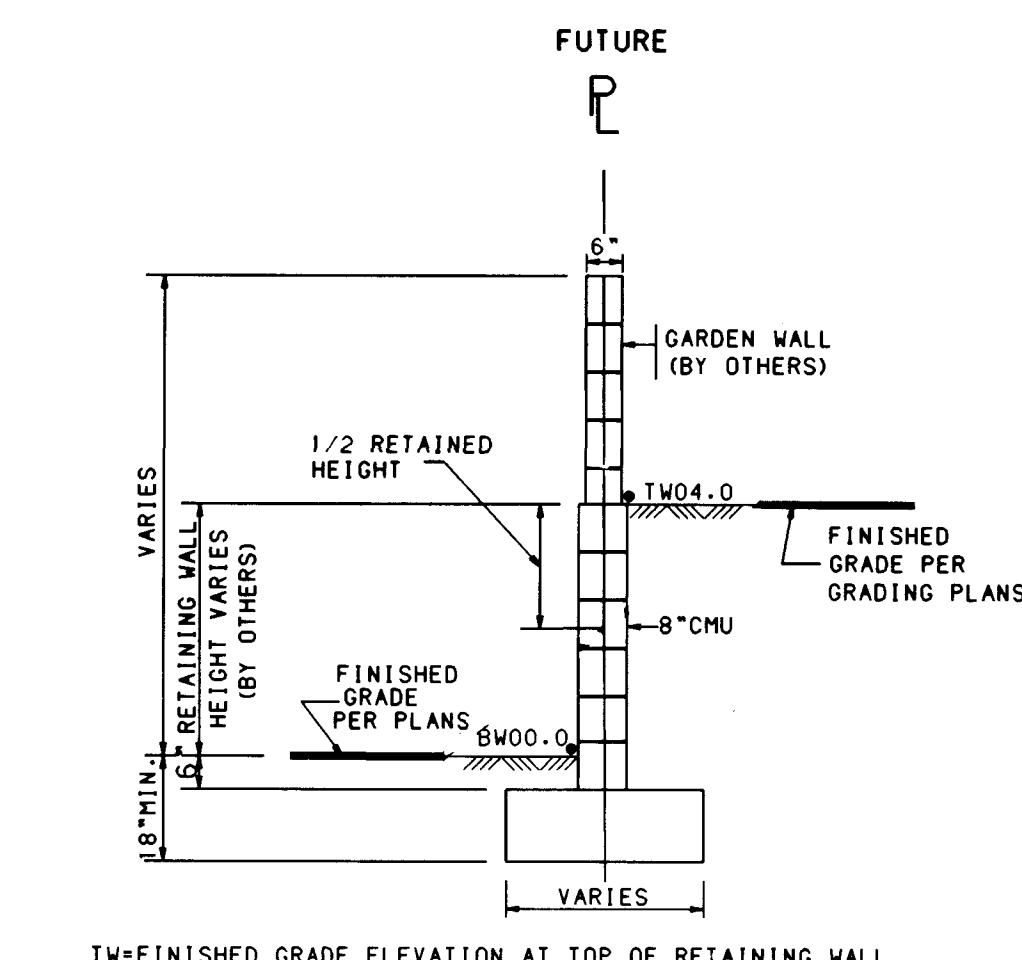
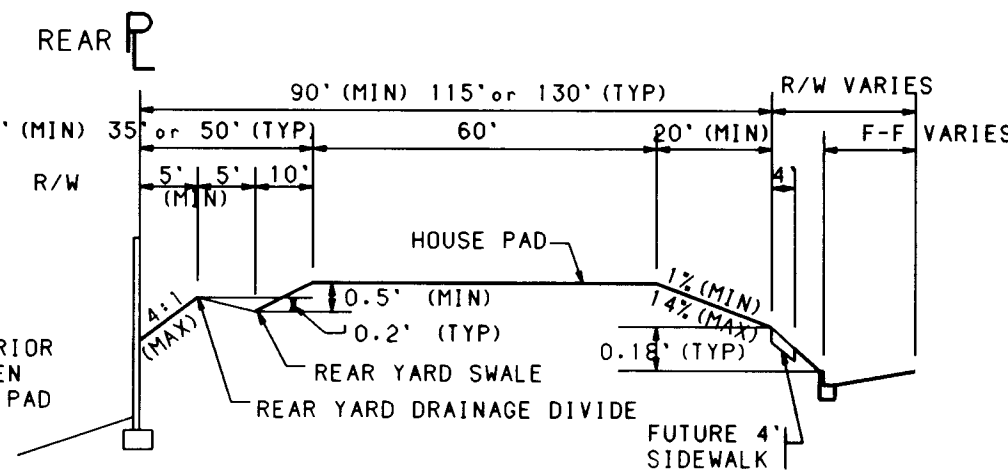
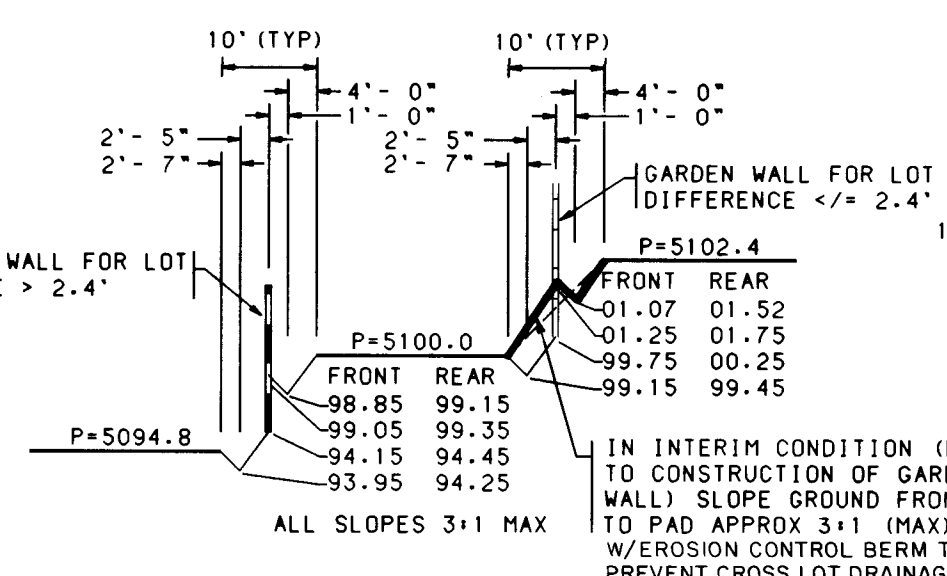
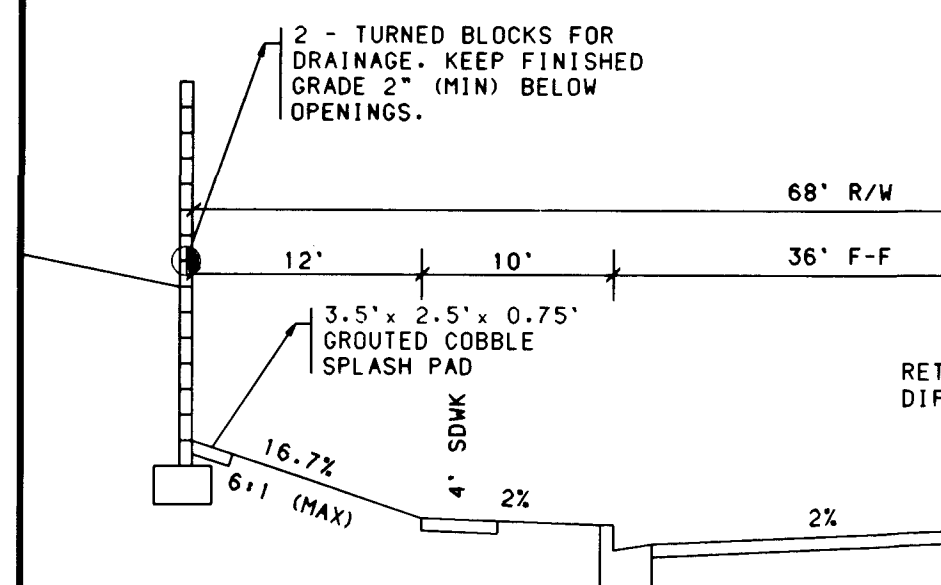
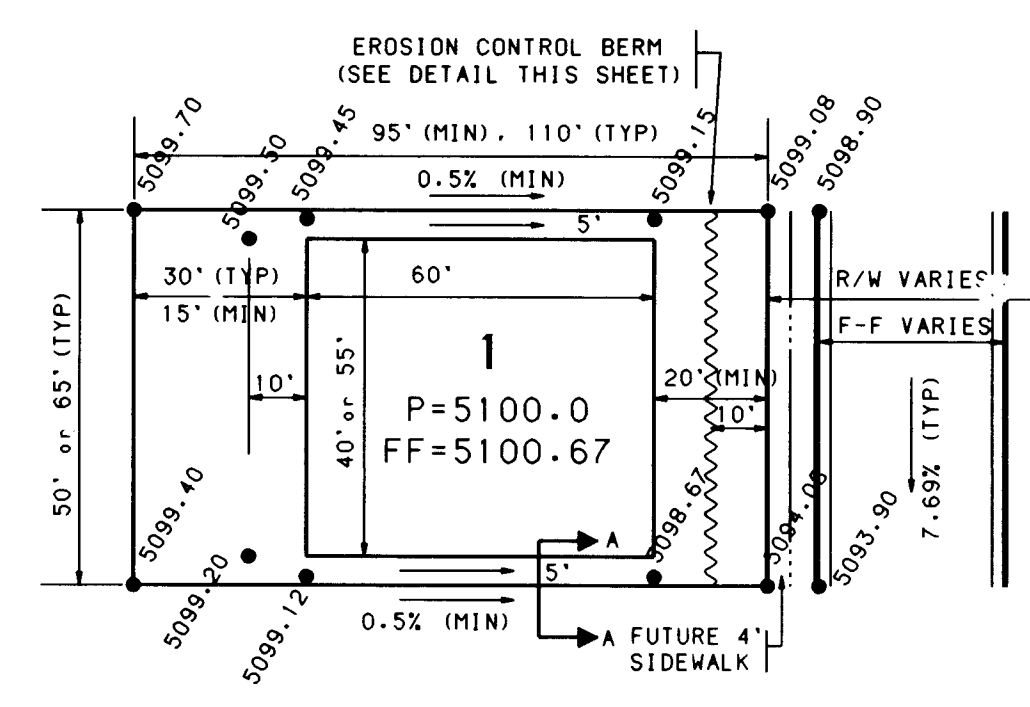
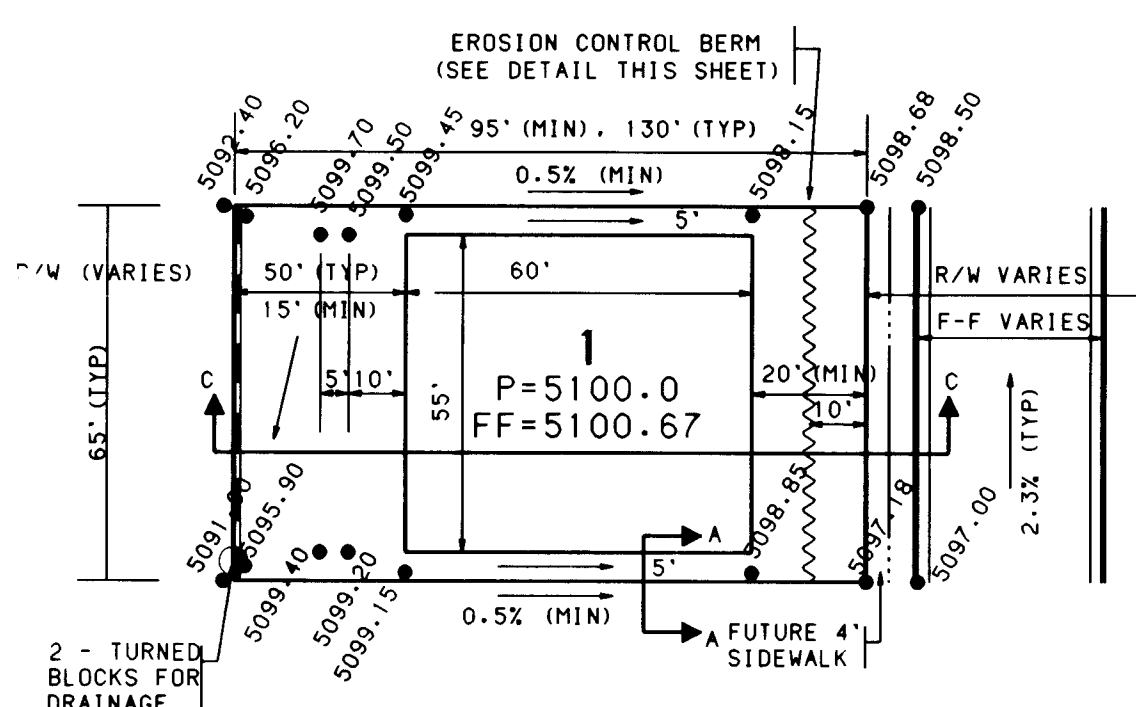
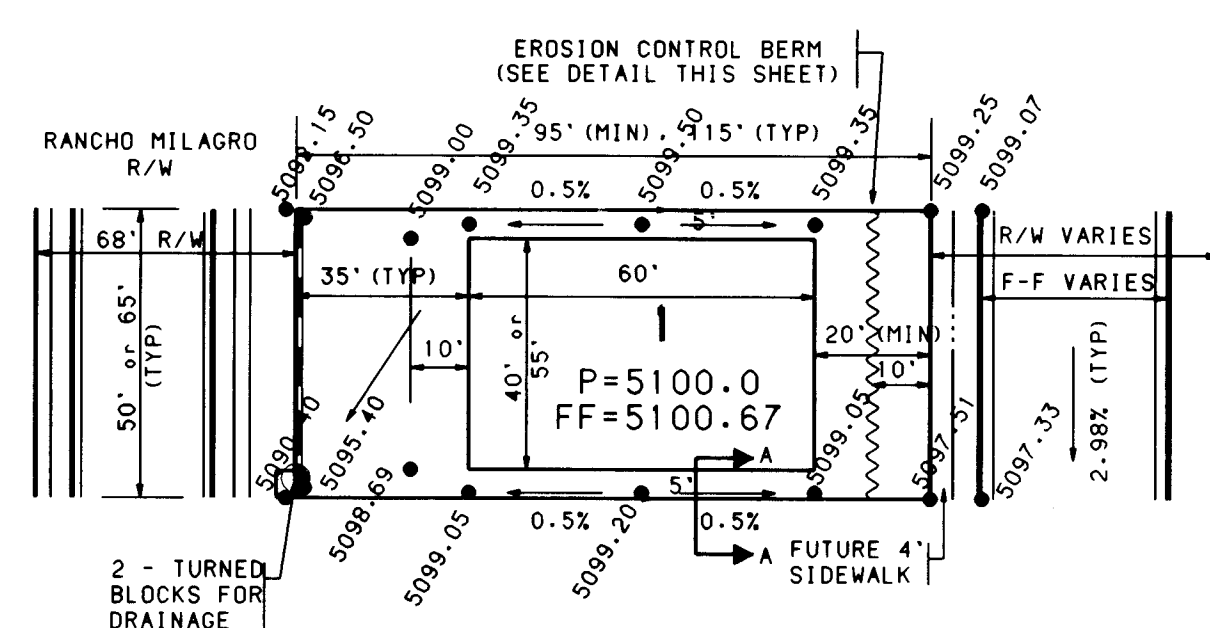
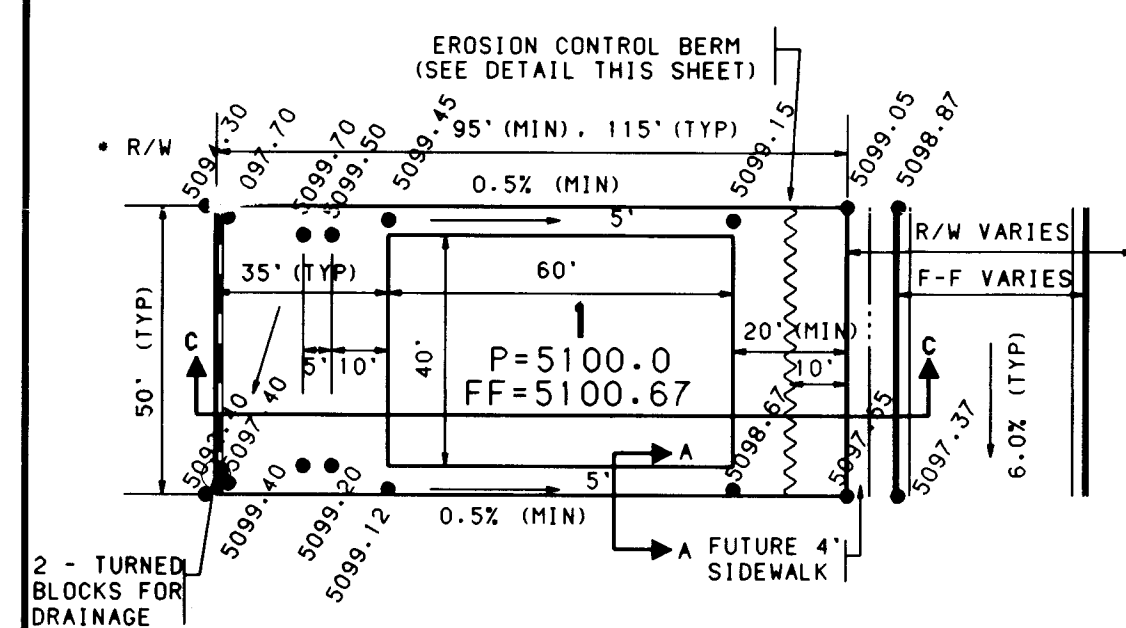
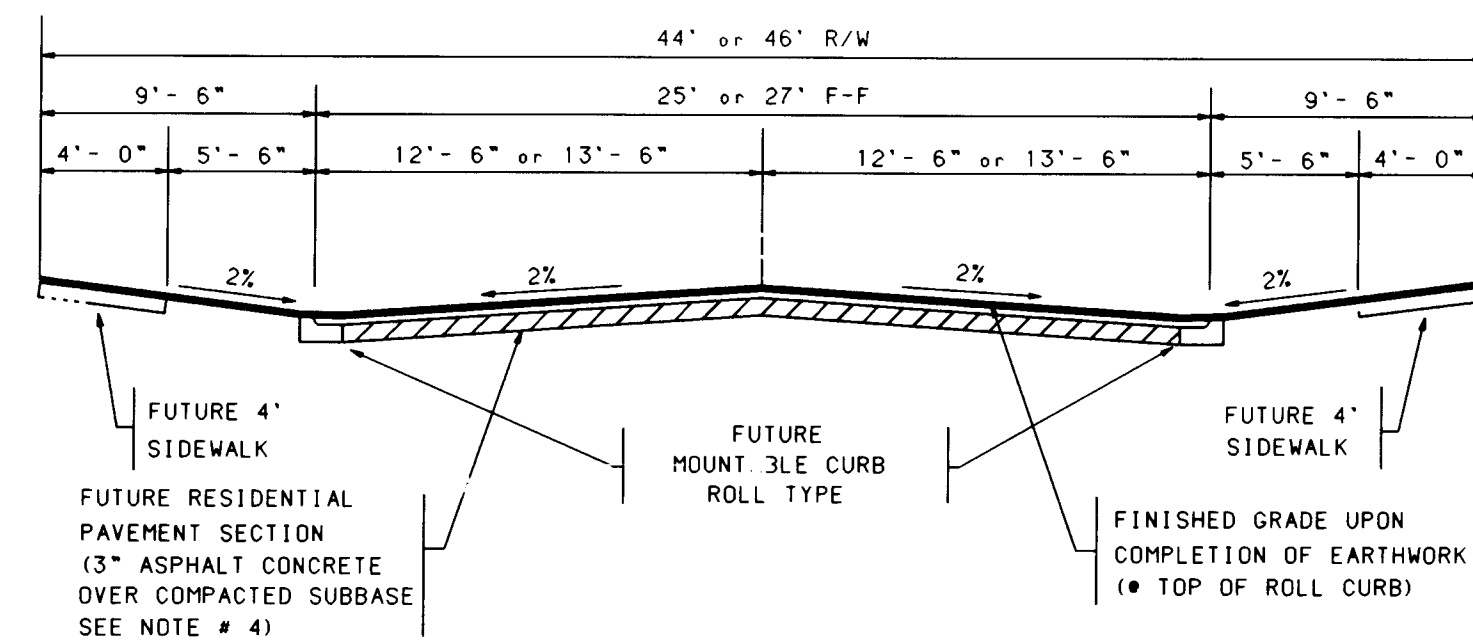
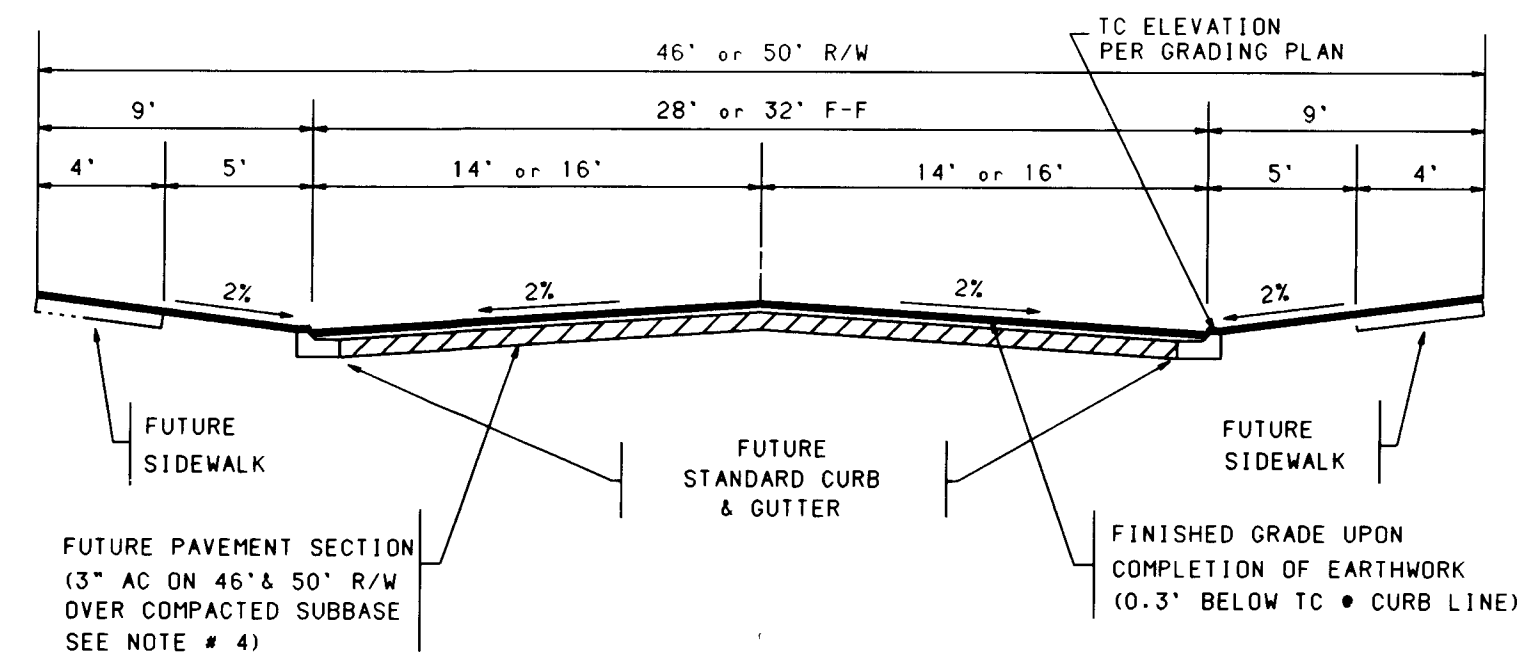
DRAWING NO. 4569.96 MAP NO. C-12 SHEET 8 OF 38

RECORD DRAWING

DATE:

BH1 JOB NO. C95207.01

FOR INFORMATION ONLY



GENERAL GRADING NOTES:

1. THE CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE, ENVIRONMENTAL HEALTH DIV., PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR IS TO REFER TO THE EARTHWORK SPECIFICATIONS NOTED IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY VINEYARD AND ASSOCIATES, DATED JUNE 16, 1993 AND SUPPLIED BY THE OWNER.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS, PERMITS AND APPROVALS.
4. FINISHED GRADE IN ROADWAY SECTIONS IS BASED UPON MATERIAL IMPORTED DURING EARTHWORK BEING ACCEPTABLE FOR ROADWAY SUBBASE.

EROSION CONTROL PLAN:

THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS AS PER DETAIL THIS SHEET AND WETTING THE SOIL REGULARLY TO KEEP IT FROM BLOWING. ALL EXCESS DISTURBED AREAS MUST BE SEEDED PER C.O.A. SPECIFICATION SECTION 1012.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |      |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|-------|
| DESIGNED BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MSJ     | DATE | 10/95 |
| DRAWN BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MSJ     | DATE | 10/95 |
| CHECKED BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | KLD     | DATE | 10/95 |
| <div style="text-align: center;"> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |      |       |
| NO. DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | REMARKS | BY   | MSJ   |
| REVISIONS<br>DESIGN                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |      |       |
| REVISOR'S SEAL<br>ENGINEER'S SEAL<br>SURVEY INFORMATION<br>FIELD NOTES<br>NO. BY DATE<br>WORK SAVED BY CONTRACTOR<br>STATION MARK IS A STANDARD USC&GS BRASS<br>TABLET, STAMPED "HUGHES, 1954", SET IN TOP<br>OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE<br>THE GROUND. TO REACH THE STATION FROM THE<br>INTERSECTION OF CENTRAL AVE. AND STATE RD.<br>448, GO NORTH ON STATE RD. 448, 6.1 MILES.<br>THE STATION IS 450' WEST OF STATE RD. 448<br>IN A FENCED-IN PRAIRIE. ELEV. = 5049.93' |         |      |       |
| BENCH MARKS<br>AS-BUILT INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |      |       |

SCANNED BY LASON

2444569.96 0996

|                                                                                       |                                                                     |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP |  |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------|

RANCHO SERENO SUBDIVISION - UNIT IV  
GRADING & DRAINAGE DETAILS

| APPROVALS         | ENGINEER           | DATE     | APPROVALS    | ENGINEER           | DATE     |
|-------------------|--------------------|----------|--------------|--------------------|----------|
| DRC CHAIRMAN      |                    |          | WATER        |                    |          |
| WARRANTY CHAIRMAN | <i>[Signature]</i> | 11-23-13 | MIXED WATER  | <i>[Signature]</i> | 11-23-13 |
| HYDROLOGIST       |                    |          | A.I.A.F.U.A. |                    |          |

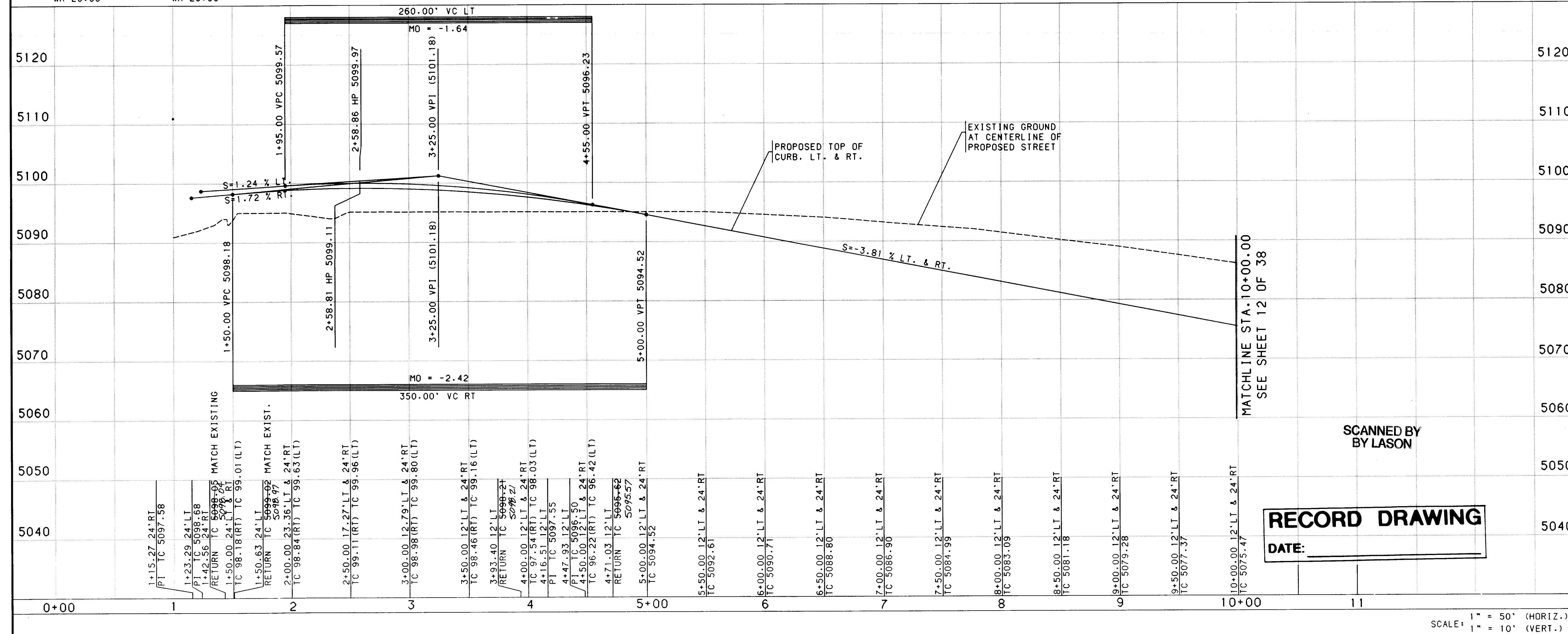
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| DRAWING NO. | 4569.96 | MAP NO. | C-12 | SHEET | 9 OF 38 |
|-------------|---------|---------|------|-------|---------|

BHI JOB NO. C95207.01

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DATE:

FOR INFORMATION ONLY

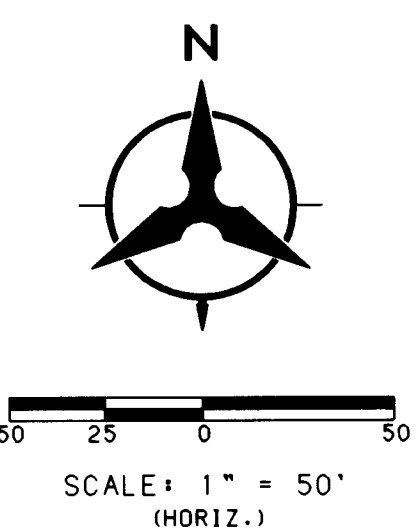


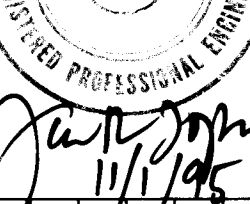


| TANGENT DATA |             |          |
|--------------|-------------|----------|
| NUMBER       | BEARING     | DISTANCE |
| T1           | N65°29'28"E | 150.42'  |

Diagram illustrating the plan view of a road section, showing dimensions and components:

- Overall Width:** 68' R/W (Right of Way)
- Median:** 14" THICK TEXTURED & COLORED MEDIAN PAVEMENT (C.O.D.A. STD. DWG. 2408)
- Median Components:** MEDIAN CURB & CUTTER
- Dimensions:**
  - 4' (Outer edge to curb)
  - 6' (Curb to sidewalk)
  - 24' F-F (Footpath to Footpath)
  - 12' (Footpath to curb)
  - 4' (Curb to curb)
  - 20' F-F (Footpath to Footpath)
  - 6' (Curb to sidewalk)
  - 4' (Outer edge to curb)
- Grades:** 2% (Slopes on both sides)
- Components:**
  - BUILD 4' SIDEWALK
  - STANDARD CURB & CUTTER
  - 14" WIDE SOLID
- Other Labels:** VARIES (indicating variable dimensions for the curb and gutter area)



| NOTIFIED AT LEAST TWO BUSINESS DAYS<br>PRIOR TO INSTALLING UTILITY CONDUIT<br>CROSSINGS:                                                            |                                                            |              | ENGINEER'S SEAL                                                                                                            |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------|-----------------|
| COMPANY                                                                                                                                             | PHONE                                                      | CONTACT      | <br><i>James R. Miller</i><br>11/1/95 |                 |
| PNM                                                                                                                                                 | 848-3374                                                   | TOM BACA     |                                                                                                                            |                 |
| US WEST                                                                                                                                             | 245-6694                                                   | BECKY OLESEN |                                                                                                                            |                 |
| GAS CO.                                                                                                                                             | 761-7770                                                   | LEO APODACA  |                                                                                                                            |                 |
| JONES                                                                                                                                               | 761-6200                                                   | YVETTE SUAZO |                                                                                                                            |                 |
| KEYED GENERAL NOTES                                                                                                                                 |                                                            |              |                                                                                                                            |                 |
| 1                                                                                                                                                   | INSTALL CONCRETE VALLEY GUTTER<br>AS PER STD. DWG. 2420    |              |                                                                                                                            |                 |
| 2                                                                                                                                                   | INSTALL WHEEL CHAIR RAMP<br>AS PER STD. DWG. 2441, CASE 11 |              |                                                                                                                            |                 |
| 3                                                                                                                                                   | STD. CURB & GUTTER<br>AS PER STD. DWG. 2415                |              |                                                                                                                            |                 |
| 4                                                                                                                                                   | ROLL CURB & GUTTER<br>AS PER STD. DWG. 2415                |              |                                                                                                                            |                 |
| 5                                                                                                                                                   | MEDIAN CURB & GUTTER<br>AS PER STD. DWG. 2415              |              |                                                                                                                            |                 |
| 6                                                                                                                                                   | FUTURE 4' SIDEWALK                                         |              |                                                                                                                            |                 |
| 7                                                                                                                                                   | BUILD 4' SIDEWALK                                          |              |                                                                                                                            |                 |
| • NOT APPLICABLE THIS SHEET<br><br>                            |                                                            |              |                                                                                                                            |                 |
|  CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING |                                                            |              |                                       |                 |
| RANCHO SERENO SUBDIVISION - UNIT 1V<br>PAVING PLAN & PROFILE<br>RANCHO MILAGRO STA. 1+00.00 - 10+00.00                                              |                                                            |              |                                                                                                                            |                 |
| APPROVALS                                                                                                                                           | ENGINEER                                                   | DATE         | APPROVALS                                                                                                                  | ENGINEER        |
| SEC. CHAIRMAN                                                                                                                                       | <i>B. G. Goodley</i>                                       | 1-2-96       | WATER                                                                                                                      |                 |
| TRANSPORTATION                                                                                                                                      | <i>Reynolds</i>                                            | 11-24-95     | WASTE WATER                                                                                                                | <i>G. S. R.</i> |
| HYDROLOGY                                                                                                                                           | <i>JPC</i>                                                 | 12-4-95      |                                                                                                                            |                 |
| DRAWING NO.                                                                                                                                         |                                                            | MAP NO.      |                                                                                                                            | SHEET           |
| 4569.96                                                                                                                                             |                                                            | C-12         |                                                                                                                            | 11 OF 38        |

| LEFT LANE CURVE DATA |          |               |             |         |         |         |
|----------------------|----------|---------------|-------------|---------|---------|---------|
| NUMBER               | PI STA.  | DELTA         | DEGREE      | TANGENT | LENGTH  | RADIUS  |
| C3                   | 17+06.46 | 23° 51' 15.5" | 11° 27' 33" | 105.61' | 208.16' | 500.00' |
| C4                   | 18+40.07 | 5° 42' 13.1"  | 28° 38' 52" | 9.97'   | 19.93'  | 200.00' |

| CENTERLINE CURVE DATA |          |              |            |         |         |         |
|-----------------------|----------|--------------|------------|---------|---------|---------|
| NUMBER                | PI STA.  | DELTA        | DEGREE     | TANGENT | LENGTH  | RADIUS  |
| C2                    | 16+51.05 | 28° 0' 18.0" | 8° 48' 53" | 162.09' | 317.71' | 650.00' |

| TANGENT DATA |             |          |
|--------------|-------------|----------|
| NUMBER       | BEARING     | DISTANCE |
| T2           | S44°38'53"E | 259.66'  |
| T3           | S44°38'53"E | 186.33'  |
| T4           | S72°39'11"E | 143.00'  |

| MEDIAN CURB DATA |       |                      |
|------------------|-------|----------------------|
| PT               | TC    | STATION & OFFSET     |
| 1                | 52+02 | 18+50.00, 4' LT.     |
| 2                | 51+91 | 18+50.00, CENTERLINE |
| 3                | 51+01 | 19+04.00, 4' LT.     |
| 4                | 50+82 | 19+04.00, CENTERLINE |

| TC FL |       | TC FL |       |
|-------|-------|-------|-------|
| 1     | 52.99 | 1     | 49.72 |
| 2     | 52.05 | 2     | 48.45 |
| 3     | 52.41 | 3     | 48.49 |

- NOTES**
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
  - ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
  - ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
  - GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
  - CONTRACTOR IS TO INSTALL A 4"x4"x5" POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
  - CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
  - ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
  - CONTRACTOR SHALL PROVIDE THE INSPECTORS (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
  - CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
  - ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
  - REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
  - WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
  - THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

| COMPANY | PHONE    | CONTACT      |
|---------|----------|--------------|
| PNM     | 848-3374 | TOM BACA     |
| US WEST | 245-6694 | BECKY OLESEN |
| GAS CO. | 761-7770 | LEO APODACA  |
| JONES   | 761-6200 | YVETTE SUAZO |

#### KEYED GENERAL NOTES

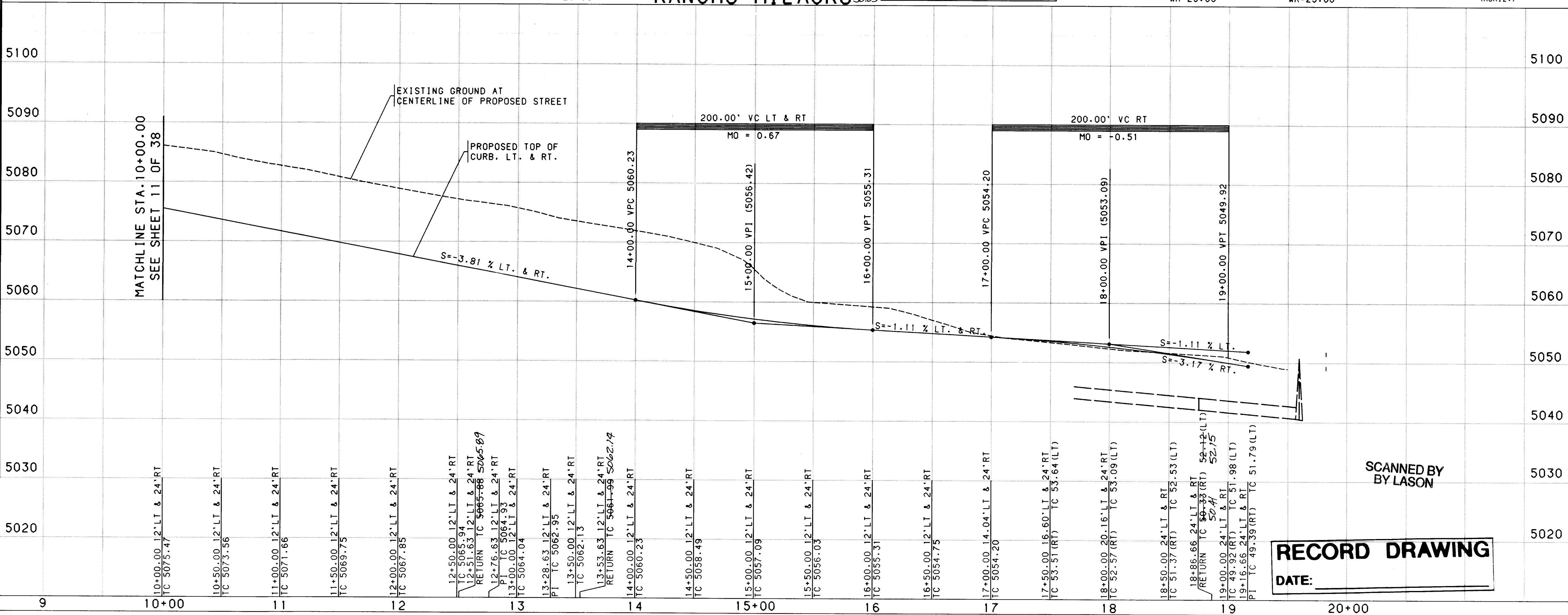
- INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
  - INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
  - STD. CURB & GUTTER AS PER STD. DWG. 2415
  - ROLL CURB & GUTTER AS PER STD. DWG. 2415
  - MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
  - FUTURE 4' SIDEWALK
  - BUILD 4' SIDEWALK
- NOT APPLICABLE THIS SHEET

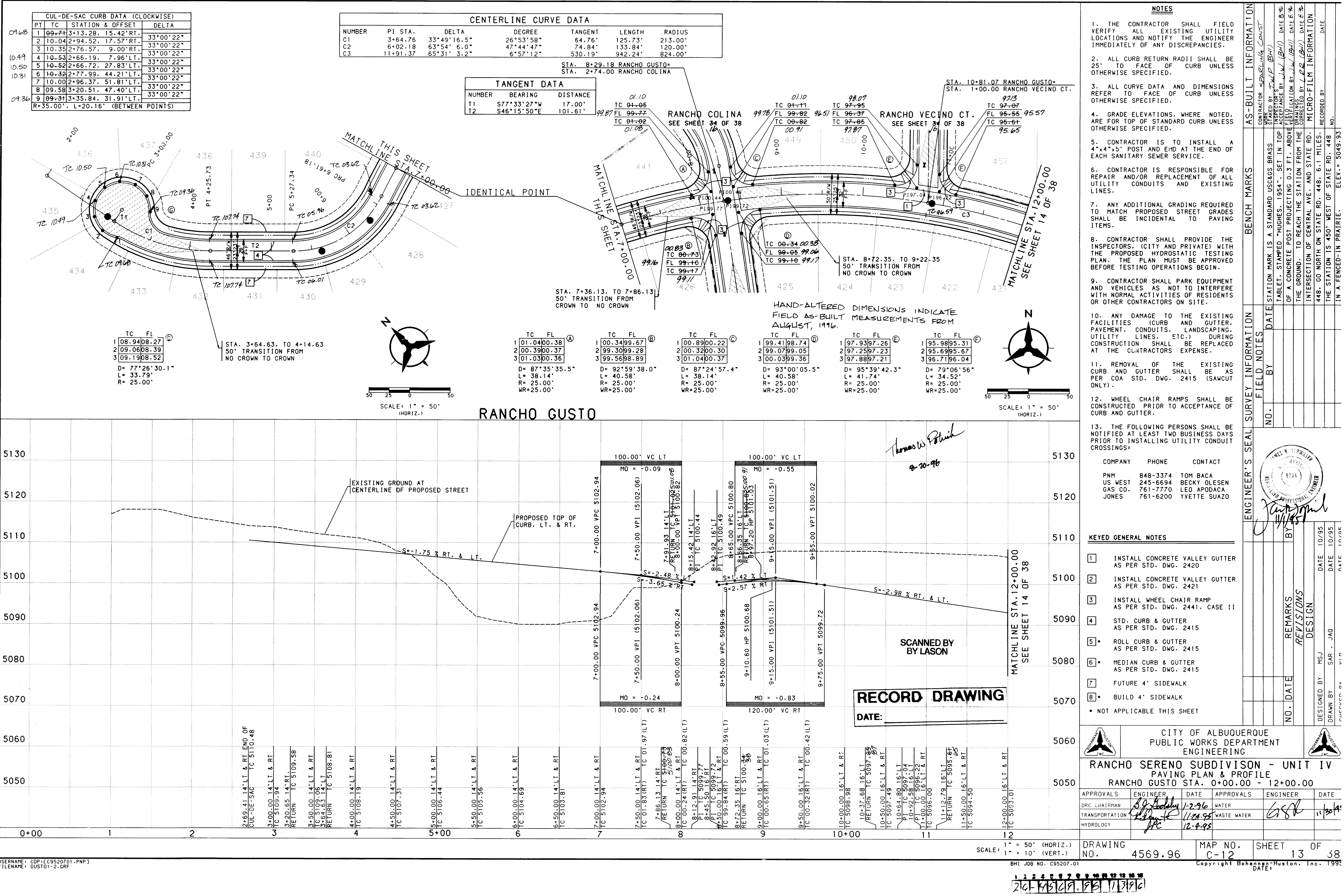
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING

**RANCHO SERENO SUBDIVISION - UNIT IV**  
PAVING PLAN & PROFILE  
RANCHO MILAGRO STA. 10+00.00 - 19+49.66

| APPROVALS      | ENGINEER     | DATE    | APPROVALS   | ENGINEER | DATE |
|----------------|--------------|---------|-------------|----------|------|
| DRC CHAIRMAN   | B.G. Anthony | 1-2-96  | WATER       |          |      |
| TRANSPORTATION | JP           | 1-28-95 | WASTE WATER |          |      |
| HYDROLOGY      | JIC          | 12-4-95 |             |          |      |

| DRAWING NO. | MAP NO. | SHEET | OF |
|-------------|---------|-------|----|
| 4569.96     | C-12    | 12    | 38 |





| CUL-DE-SAC CURB DATA (CLOCKWISE)    |       |                     |           |
|-------------------------------------|-------|---------------------|-----------|
| PT                                  | TC    | STATION & OFFSET    | DELTA     |
| 1                                   | 09.77 | 3+13.28, 15.42' RT. | 33°00'22" |
| 2                                   | 10.04 | 2+94.52, 17.57' RT. | 33°00'22" |
| 3                                   | 10.35 | 2+76.57, 9.00' RT.  | 33°00'22" |
| 4                                   | 10.53 | 2+66.19, 7.96' LT.  | 33°00'22" |
| 5                                   | 10.52 | 2+66.72, 27.83' LT. | 33°00'22" |
| 6                                   | 10.32 | 2+77.99, 44.21' LT. | 33°00'22" |
| 7                                   | 10.00 | 2+96.37, 51.81' LT. | 33°00'22" |
| 8                                   | 09.58 | 3+20.51, 47.40' LT. | 33°00'22" |
| 9                                   | 09.31 | 3+35.84, 31.91' LT. | 33°00'22" |
| R=35.00', L=20.16' (BETWEEN POINTS) |       |                     |           |

| CENTERLINE CURVE DATA |          |             |           |         |         |         |
|-----------------------|----------|-------------|-----------|---------|---------|---------|
| NUMBER                | PI STA.  | DELTA       | DEGREE    | TANGENT | LENGTH  | RADIUS  |
| C1                    | 3+64.76  | 33°49'16.5" | 26°53'58" | 64.76'  | 125.73' | 213.00' |
| C2                    | 6+02.18  | 63°54'6.0"  | 47°44'47" | 74.84'  | 133.84' | 120.00' |
| C3                    | 11+91.37 | 65°31'3.2"  | 6°57'12"  | 530.19' | 942.24' | 824.00' |

| TANGENT DATA |             |          |
|--------------|-------------|----------|
| NUMBER       | BEARING     | DISTANCE |
| T1           | S77°33'27"W | 17.00'   |
| T2           | S46°15'50"E | 101.61'  |

- NOTES**
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
  2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
  3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
  4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
  5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
  6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
  7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
  8. CONTRACTOR SHALL PROVIDE THE INSPECTORS (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
  9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
  10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
  11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
  12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
  13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:
- | COMPANY | PHONE    | CONTACT      |
|---------|----------|--------------|
| PNM     | 848-3374 | TOM BACA     |
| US WEST | 245-6694 | BECKY OLESEN |
| GAS CO. | 761-7770 | LEO APODACA  |
| JONES   | 761-6200 | YVETTE SUAZO |

**KEYED GENERAL NOTES**

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421
3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
4. STD. CURB & GUTTER AS PER STD. DWG. 2415
5. ROLL CURB & GUTTER AS PER STD. DWG. 2415
6. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
7. FUTURE 4' SIDEWALK
8. BUILD 4' SIDEWALK

• NOT APPLICABLE THIS SHEET

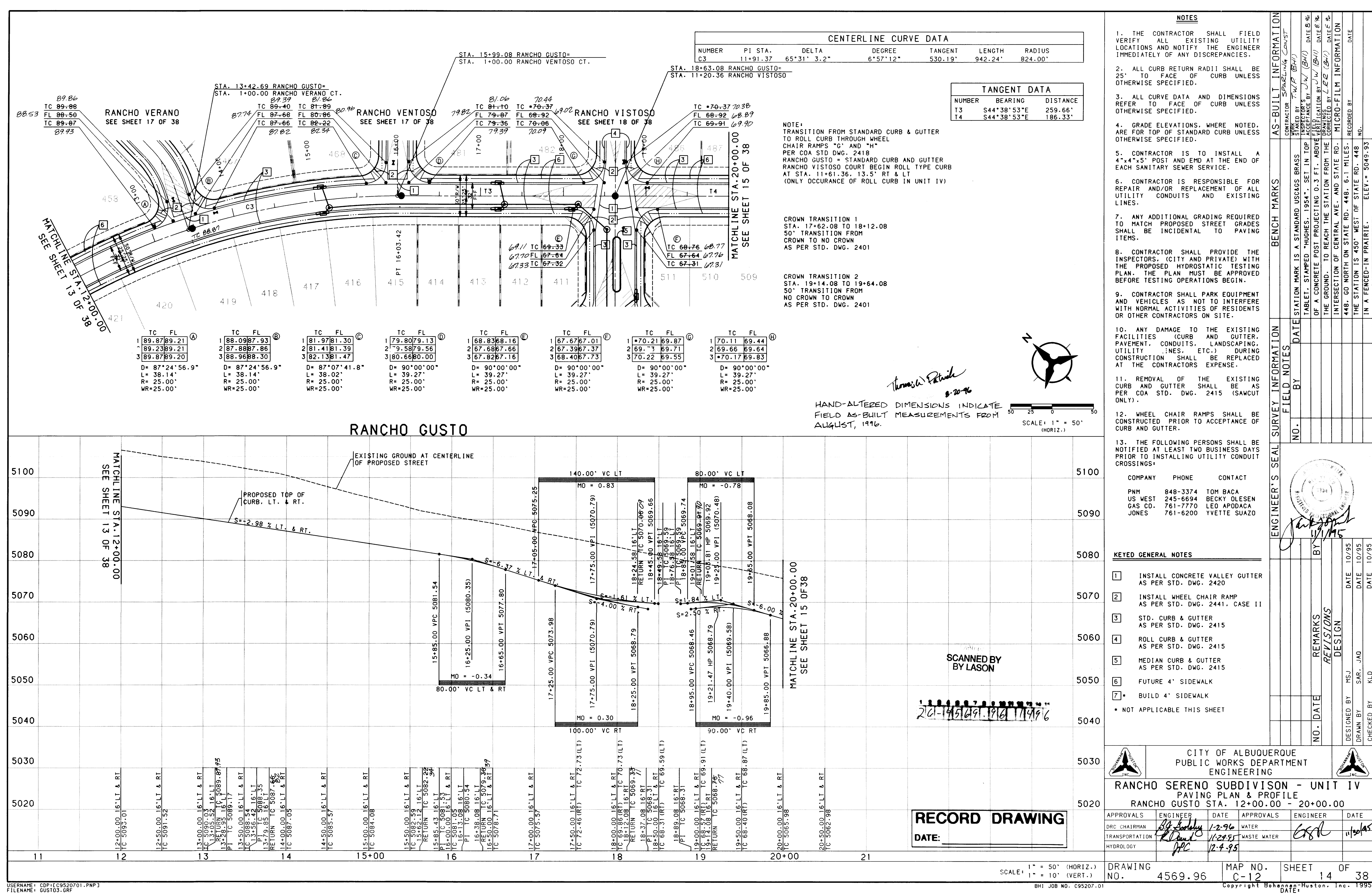
**CITY OF ALBUQUERQUE**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING

**RANCHO SERENO SUBDIVISION - UNIT IV**  
PAVING PLAN & PROFILE  
RANCHO GUSTO STA. 0+00.00 - 12+00.00

| APPROVALS      | ENGINEER           | DATE     | APPROVALS   | ENGINEER           | DATE     |
|----------------|--------------------|----------|-------------|--------------------|----------|
| DRC CHAIRMAN   | <i>[Signature]</i> | 12-29-96 | WATER       | <i>[Signature]</i> | 11/30/96 |
| TRANSPORTATION | <i>[Signature]</i> | 11/01/96 | WASTE WATER |                    |          |
| HYDROLOGY      | <i>[Signature]</i> | 12-4-96  |             |                    |          |

DRAWING NO. 4569.96 MAP NO. C-12 SHEET 13 OF 38

DATE: 12/4/96



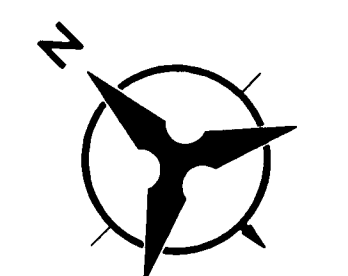
| CENTERLINE CURVE DATA |          |             |          |         |         |
|-----------------------|----------|-------------|----------|---------|---------|
| NUMBER                | PI STA.  | DELTA       | DEGREE   | TANGENT | RADIUS  |
| C3                    | 11+91.37 | 65°31' 3.2" | 6°57'12" | 530.19' | 942.24' |

| TANGENT DATA |             |          |
|--------------|-------------|----------|
| NUMBER       | BEARING     | DISTANCE |
| T3           | S44°38'53"E | 259.66'  |
| T4           | S44°38'53"E | 186.33'  |

NOTE:  
TRANSITION FROM STANDARD CURB & GUTTER TO ROLL CURB THROUGH WHEEL CHAIR RAMPS "G" AND "H" PER COA STD DWG. 2418  
RANCHO GUSTO = STANDARD CURB AND GUTTER  
RANCHO VISTOSO COURT BEGIN ROLL TYPE CURB AT STA. 11+61.36, 13.5' RT & LT (ONLY OCCURRENCE OF ROLL CURB IN UNIT IV)

CROWN TRANSITION 1  
STA. 17+62.08 TO 18+12.08  
50' TRANSITION FROM CROWN TO NO CROWN  
AS PER STD. DWG. 2401

CROWN TRANSITION 2  
STA. 19+14.08 TO 19+64.08  
50' TRANSITION FROM NO CROWN TO CROWN  
AS PER STD. DWG. 2401



HAND-ALTERED DIMENSIONS INDICATE FIELD AS-BUILT MEASUREMENTS FROM AUGUST, 1996.

SCALE: 1" = 50' (HORIZ.)

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

2. ALL CURB RETURN RADIUS SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.

5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.

7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

8. CONTRACTOR SHALL PROVIDE THE INSPECTORS (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.

9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.

10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

| COMPANY | PHONE    | CONTACT      |
|---------|----------|--------------|
| PNM     | 848-3374 | TOM BACA     |
| US WEST | 245-6694 | BECKY OLESEN |
| GAS CO. | 761-7770 | LEO APODACA  |
| JONES   | 761-6200 | YVETTE SUAZO |

KEYED GENERAL NOTES

1

INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420

2

INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II

3

STD. CURB & GUTTER AS PER STD. DWG. 2415

4

ROLL CURB & GUTTER AS PER STD. DWG. 2415

5

MEDIAN CURB & GUTTER AS PER STD. DWG. 2415

6

FUTURE 4' SIDEWALK

7

BUILD 4' SIDEWALK

NOT APPLICABLE THIS SHEET

RECORD DRAWING

DATE: \_\_\_\_\_

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING

RANCHO SERENO SUBDIVISION - UNIT IV  
PAVING PLAN & PROFILE  
RANCHO GUSTO STA. 12+00.00 - 20+00.00

| APPROVALS      | ENGINEER           | DATE     | APPROVALS   | ENGINEER           | DATE     |
|----------------|--------------------|----------|-------------|--------------------|----------|
| DRG CHAIRMAN   | <i>[Signature]</i> | 1-2-96   | WATER       | <i>[Signature]</i> | 11/20/95 |
| TRANSPORTATION | <i>[Signature]</i> | 11/22/95 | WASTE WATER |                    |          |
| HYDROLOGY      | <i>[Signature]</i> | 12-4-95  |             |                    |          |

|                     |              |                |
|---------------------|--------------|----------------|
| DRAWING NO. 4569.96 | MAP NO. C-12 | SHEET 14 OF 38 |
|---------------------|--------------|----------------|

AS-BUILT INFORMATION

CONTRACTOR: *[Signature]*

INSPECTOR: *[Signature]*

DATE: 11/20/95

BY: *[Signature]*

DATE: 11/20/95

REMARKS: RELATIONS DESIGN

DESIGNED BY: MSJ

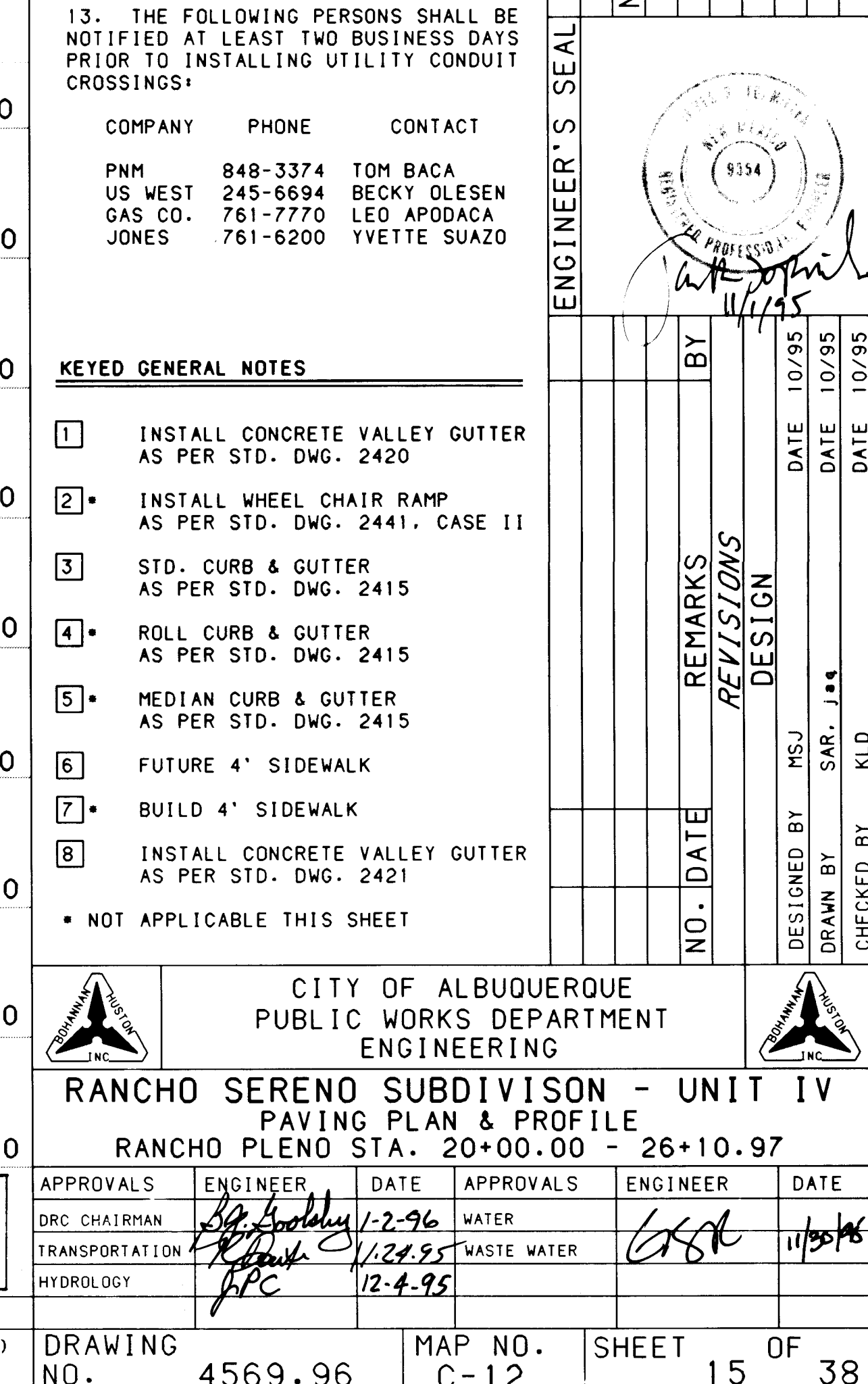
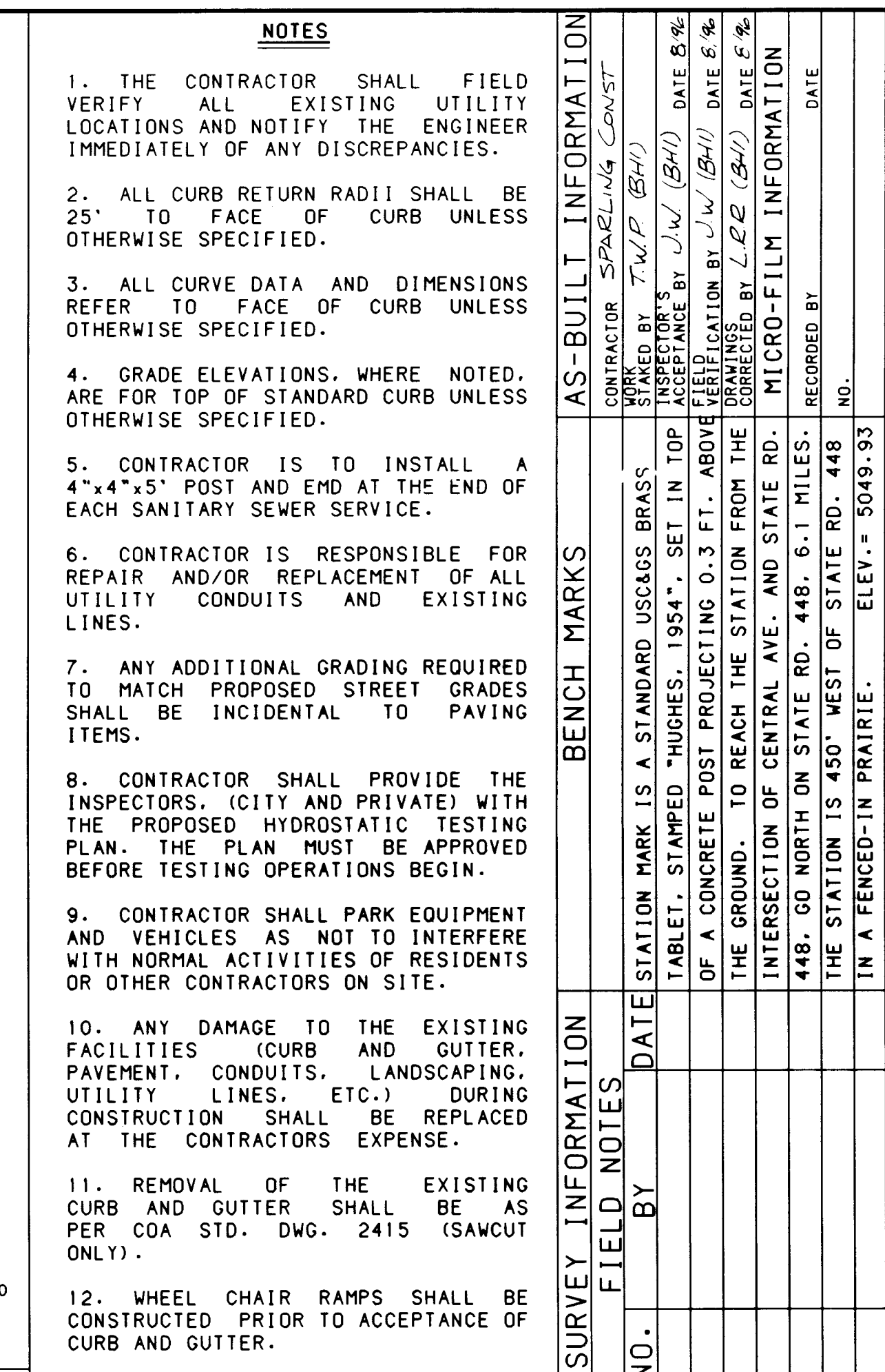
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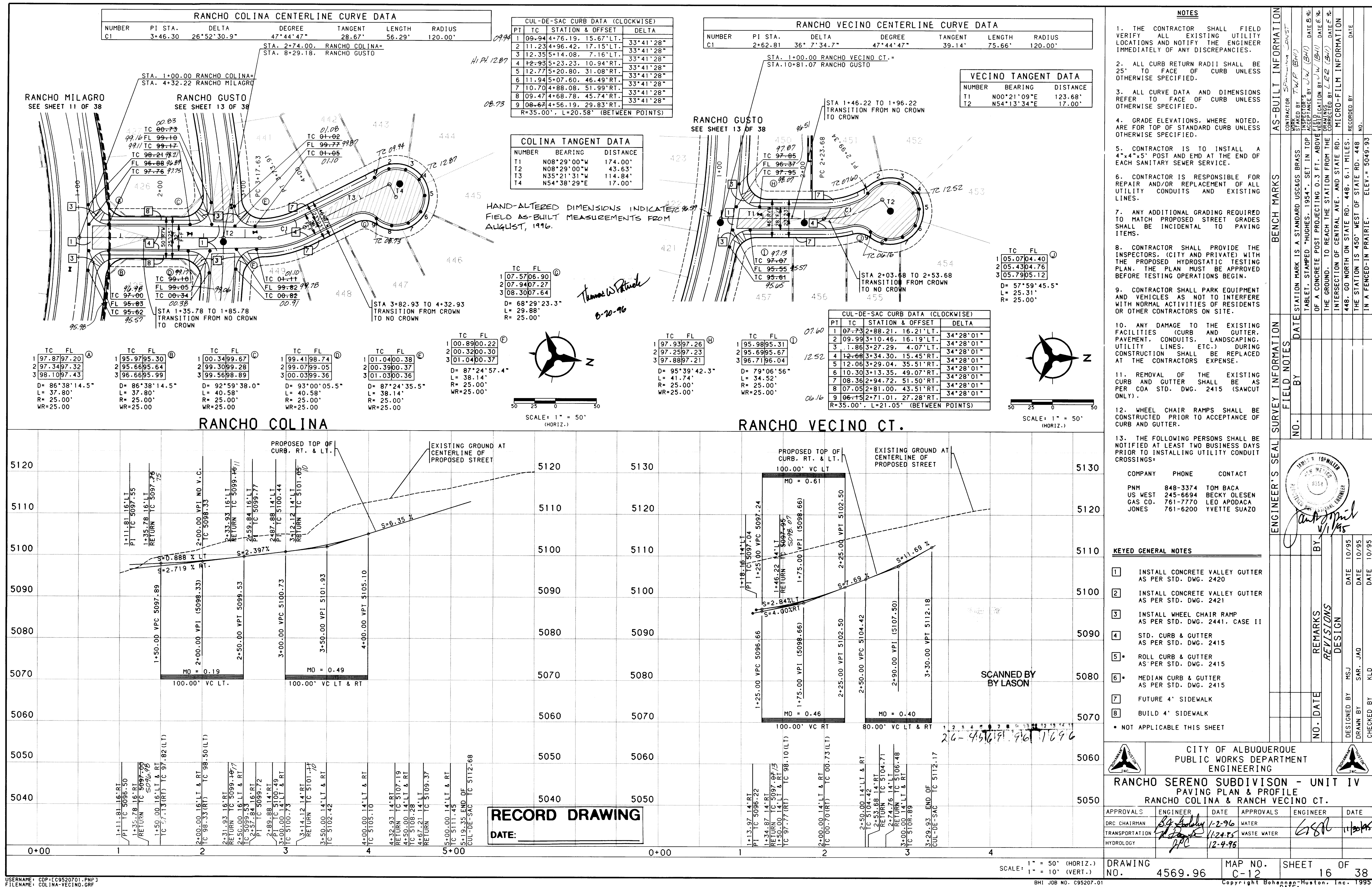
CHECKED BY: KLD

DATE: 10/95

DATE: 10/95

DATE: 10/95





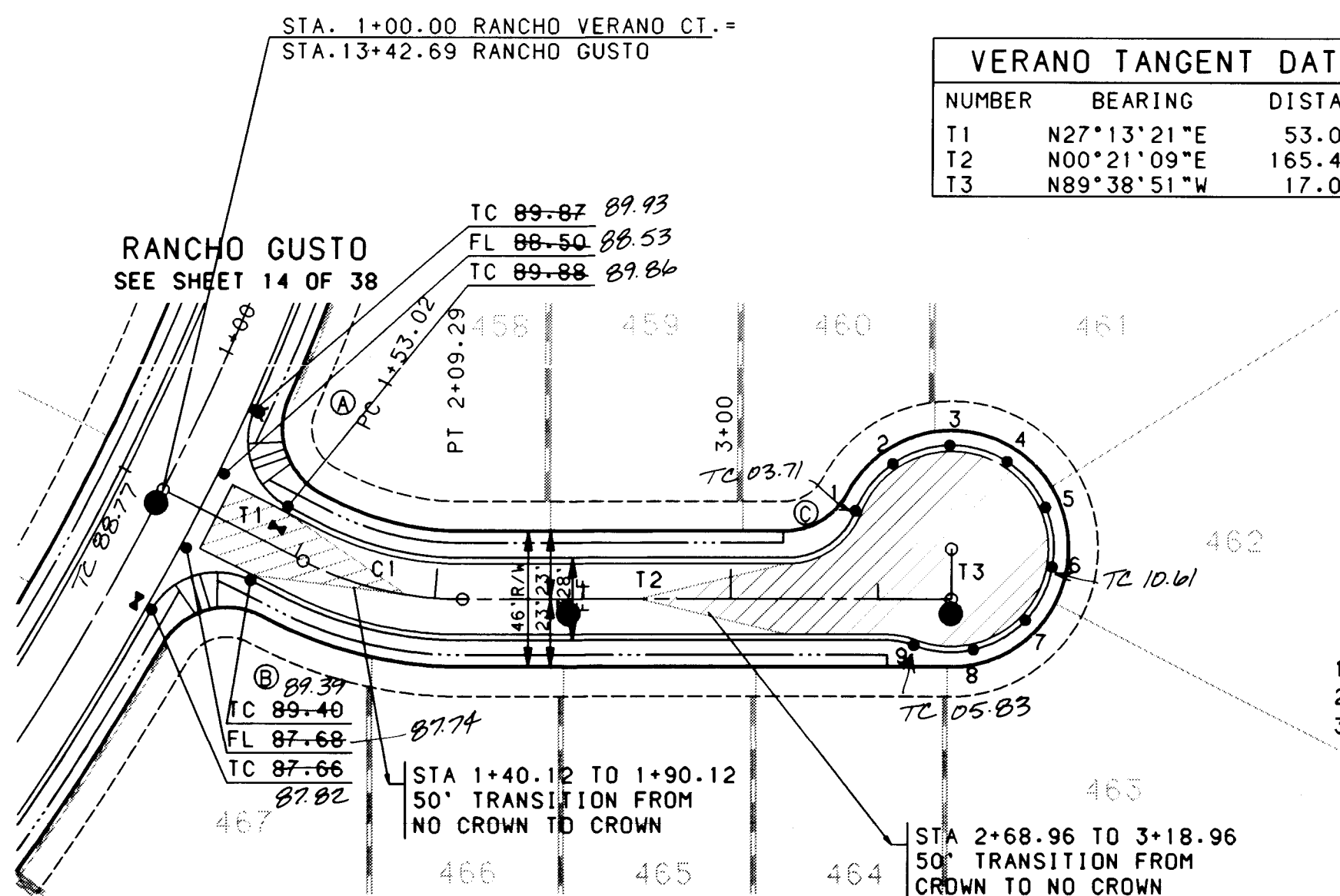
| RANCHO VERANO CENTERLINE CURVE DATA |         |             |           |         |        |         |
|-------------------------------------|---------|-------------|-----------|---------|--------|---------|
| NUMBER                              | PI STA. | DELTA       | DEGREE    | TANGENT | LENGTH | RADIUS  |
| C1                                  | 1+81.68 | 26°52'11.5" | 47°44'47" | 28.67'  | 56.28' | 120.00' |

| VERANO TANGENT DATA |             |          |
|---------------------|-------------|----------|
| NUMBER              | BEARING     | DISTANCE |
| T1                  | N27°13'21"E | 53.02'   |
| T2                  | N00°21'09"E | 165.49'  |
| T3                  | N89°38'51"W | 17.00'   |

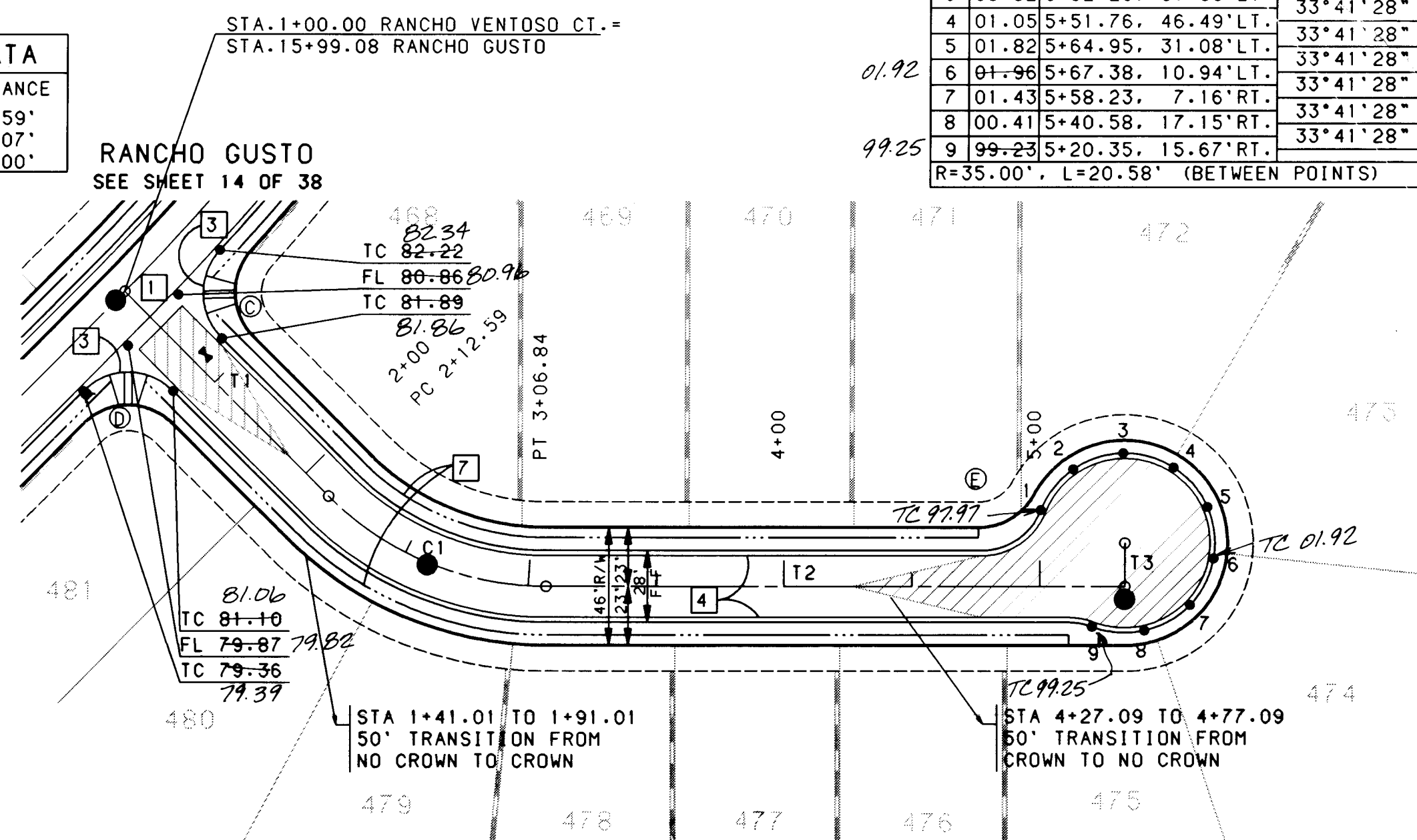
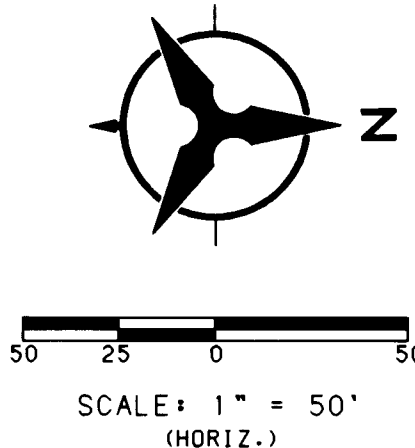
| RANCHO VENTOSO CENTERLINE CURVE DATA |         |             |           |         |        |         |
|--------------------------------------|---------|-------------|-----------|---------|--------|---------|
| NUMBER                               | PI STA. | DELTA       | DEGREE    | TANGENT | LENGTH | RADIUS  |
| C1                                   | 2+62.30 | 44°59'58.2" | 47°44'47" | 49.71'  | 94.25' | 120.00' |

| VENTOSO TANGENT DATA |             |          |
|----------------------|-------------|----------|
| NUMBER               | BEARING     | DISTANCE |
| T1                   | N45°21'07"E | 112.59'  |
| T2                   | N00°21'09"E | 226.07'  |
| T3                   | N89°38'51"W | 17.00'   |

| CUL-DE-SAC CURB DATA (CLOCKWISE)    |       |                     |           |
|-------------------------------------|-------|---------------------|-----------|
| PT                                  | TC    | STATION & OFFSET    | DELTA     |
| 1                                   | 98.07 | 5+00.35, 29.83' LT. | 33°41'28" |
| 2                                   | 98.80 | 5+12.94, 45.74' LT. | 33°41'28" |
| 3                                   | 99.92 | 5+32.23, 51.99' LT. | 33°41'28" |
| 4                                   | 01.05 | 5+51.76, 46.49' LT. | 33°41'28" |
| 5                                   | 01.82 | 5+64.95, 31.08' LT. | 33°41'28" |
| 6                                   | 01.96 | 5+67.38, 10.94' LT. | 33°41'28" |
| 7                                   | 01.43 | 5+58.23, 7.16' RT.  | 33°41'28" |
| 8                                   | 00.41 | 5+40.58, 17.15' RT. | 33°41'28" |
| 9                                   | 99.23 | 5+20.35, 15.67' RT. | 33°41'28" |
| R=35.00', L=20.58' (BETWEEN POINTS) |       |                     |           |



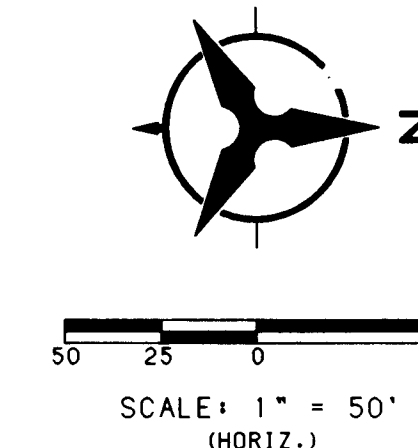
| TC             | FL         |
|----------------|------------|
| 1              | 03.3702.71 |
| 2              | 02.9402.27 |
| 3              | 02.5001.89 |
| D= 68°29'23.3" |            |
| L= 29.88'      |            |
| R= 25.00'      |            |



| TC             | FL         |
|----------------|------------|
| 1              | 81.9781.30 |
| 2              | 81.4181.39 |
| 3              | 82.1381.47 |
| D= 87°07'41.8" |            |
| L= 38.02'      |            |
| R= 25.00'      |            |

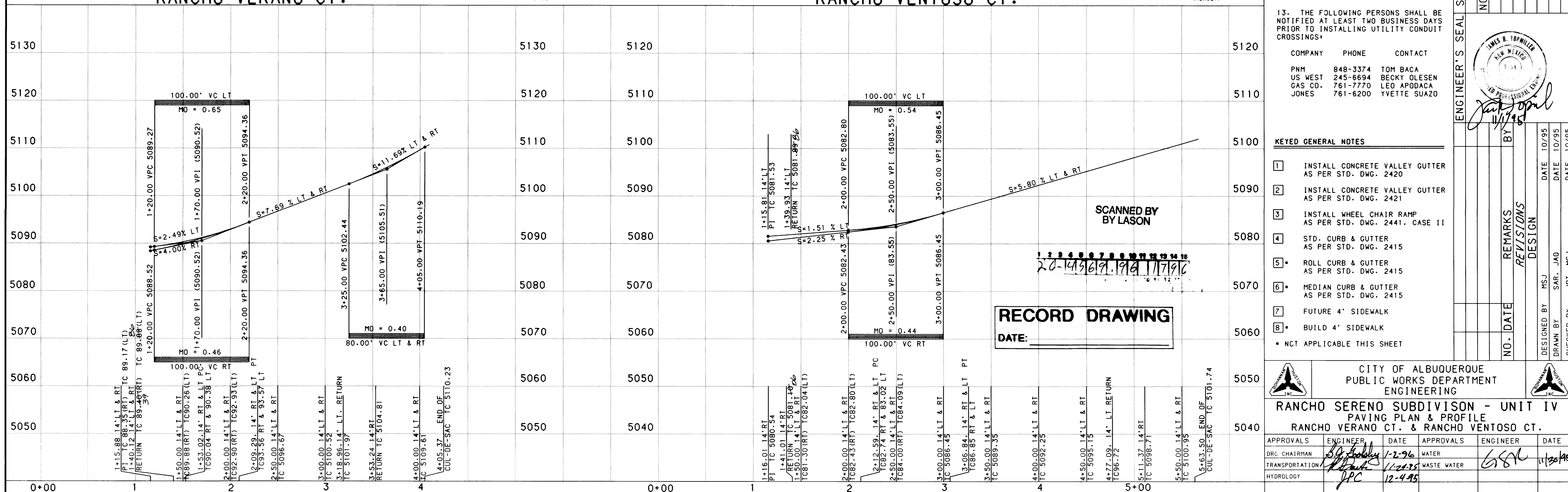
| TC           | FL         |
|--------------|------------|
| 1            | 79.7979.13 |
| 2            | 79.5879.56 |
| 3            | 80.6780.00 |
| D= 90°00'00" |            |
| L= 39.27'    |            |
| R= 25.00'    |            |

HAND-ALTERED DIMENSIONS INDICATE  
FIELD AS-BUILT MEASUREMENTS FROM  
AUGUST, 1996.



RANCHO VERANO CT.

RANCHO VENTOSO CT.



RECORD DRAWING  
DATE: 12-14-96

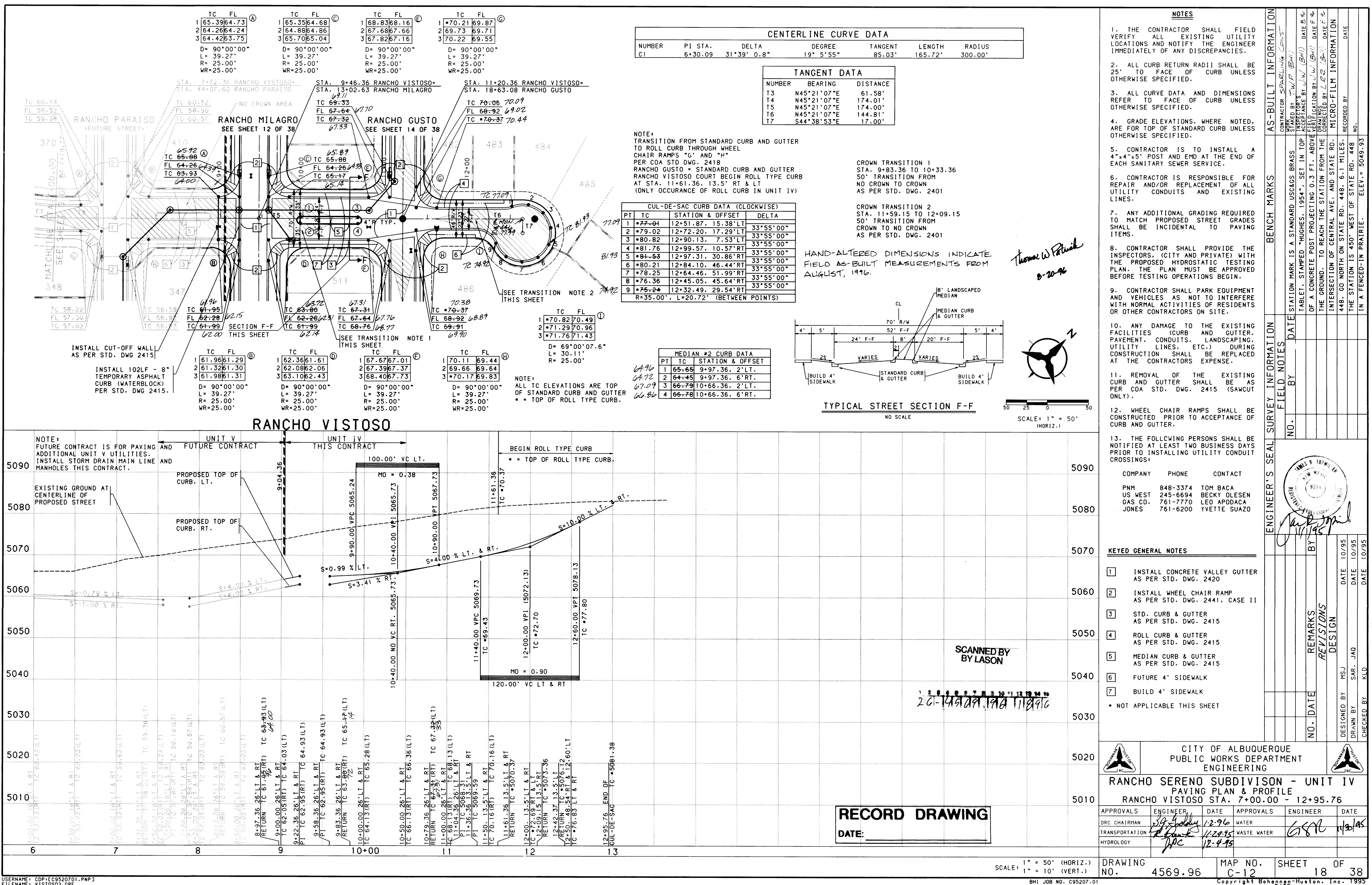
- NOTES**
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
  2. ALL CURB RETURN RADIUS SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
  3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
  4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
  5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
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  13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

| COMPANY | PHONE    | CONTACT      |
|---------|----------|--------------|
| PNM     | 848-3374 | TOM BACA     |
| US WEST | 245-6694 | BECKY OLESEN |
| GAS CO. | 761-7770 | LEO APODACA  |
| JONES   | 761-6200 | YVETTE SUAZO |

KEYED GENERAL NOTES

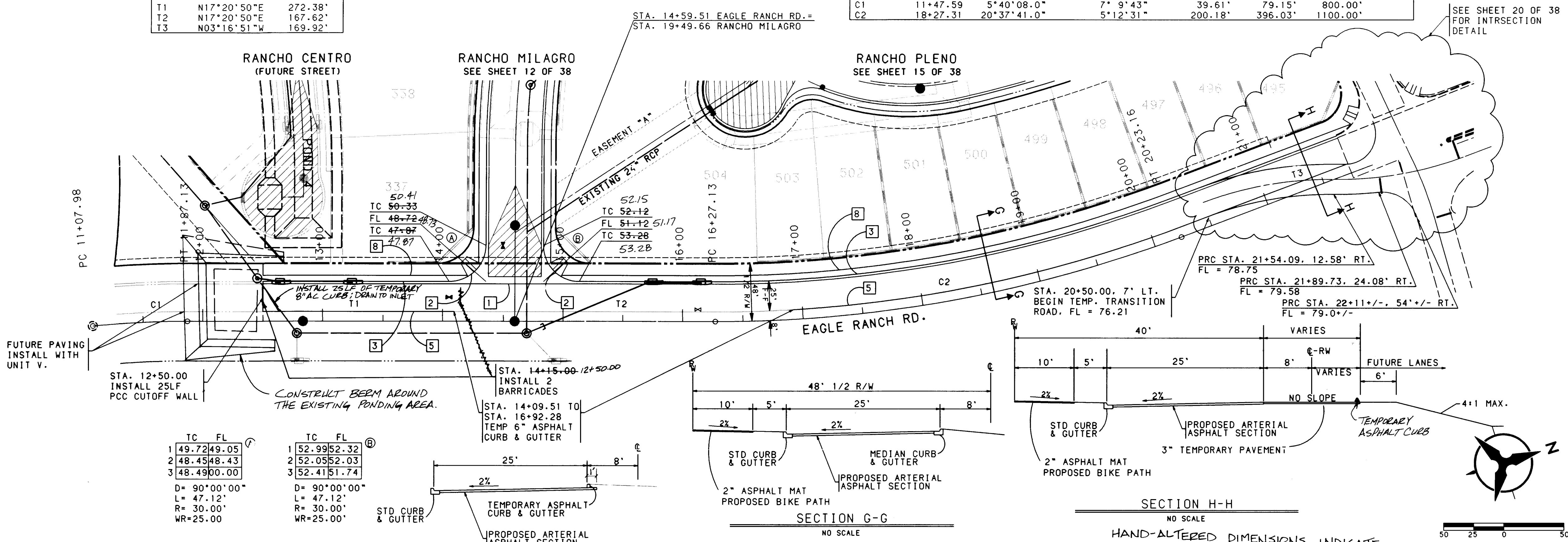
1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
  2. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421
  3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
  4. STD. CURB & GUTTER AS PER STD. DWG. 2415
  5. ROLL CURB & GUTTER AS PER STD. DWG. 2415
  6. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
  7. FUTURE 4' SIDEWALK
  8. BUILD 4' SIDEWALK
- NOT APPLICABLE THIS SHEET

| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING                                          |          |             |
|--------------------------------------------------------------------------------------------------------|----------|-------------|
| RANCHO SERENO SUBDIVISION - UNIT IV<br>PAVING PLAN & PROFILE<br>RANCHO VERANO CT. & RANCHO VENTOSO CT. |          |             |
| APPROVALS                                                                                              | ENGINEER | DATE        |
| DRG CHAIRMAN                                                                                           | 12-96    | WATER       |
| TRANSPORTATION                                                                                         | 12-96    | WASTE WATER |
| HYDROLOGY                                                                                              | 12-96    |             |
| DRAWING NO.                                                                                            | MAP NO.  | SHEET OF    |
| 4569.96                                                                                                | C-12     | 17 OF 38    |



| TANGENT DATA |             |          |
|--------------|-------------|----------|
| NUMBER       | BEARING     | DISTANCE |
| T1           | N17°20'50"E | 272.38'  |
| T2           | N17°20'50"E | 167.62'  |
| T3           | N03°16'51"W | 169.92'  |

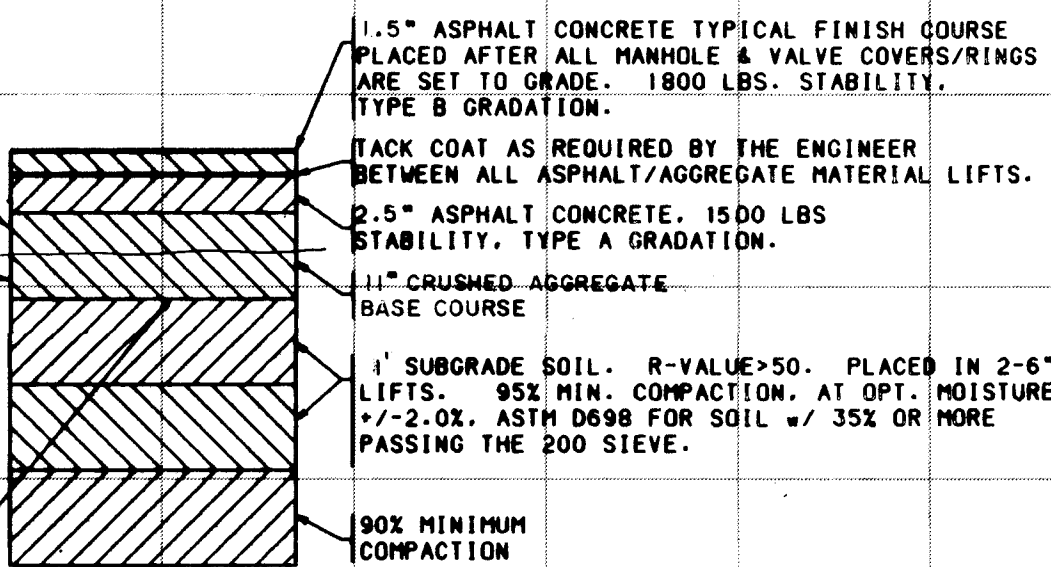
| CENTERLINE CURVE DATA |          |             |          |         |         |          |
|-----------------------|----------|-------------|----------|---------|---------|----------|
| NUMBER                | PI STA.  | DELTA       | DEGREE   | TANGENT | LENGTH  | RADIUS   |
| C1                    | 11+47.59 | 5°40'08.0"  | 7° 9'43" | 39.61'  | 79.15'  | 800.00'  |
| C2                    | 18+27.31 | 20°37'41.0" | 5°12'31" | 200.18' | 396.03' | 1100.00' |



- NOTES**
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY IMMEDIATELY OF ANY DISCREPANCIES.
  2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
  3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
  4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
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  9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
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  11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
  12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
  13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

| COMPANY | PHONE    | CONTACT      |
|---------|----------|--------------|
| PNM     | 848-3374 | TOM BACA     |
| US WEST | 245-6694 | BECKY OLESEN |
| GAS CO. | 761-7770 | LEO APDACA   |
| JONES   | 761-6200 | YVETTE SUAZO |

- KEYED GENERAL NOTES**
1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
  2. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
  3. STD. CURB & GUTTER AS PER STD. DWG. 2415
  4. ROLL CURB & GUTTER AS PER STD. DWG. 2415
  5. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
  6. FUTURE 4' SIDEWALK
  7. BUILD 4' SIDEWALK
  8. BUILD 10' WIDE BIKE PATH
- NOT APPLICABLE THIS SHEET

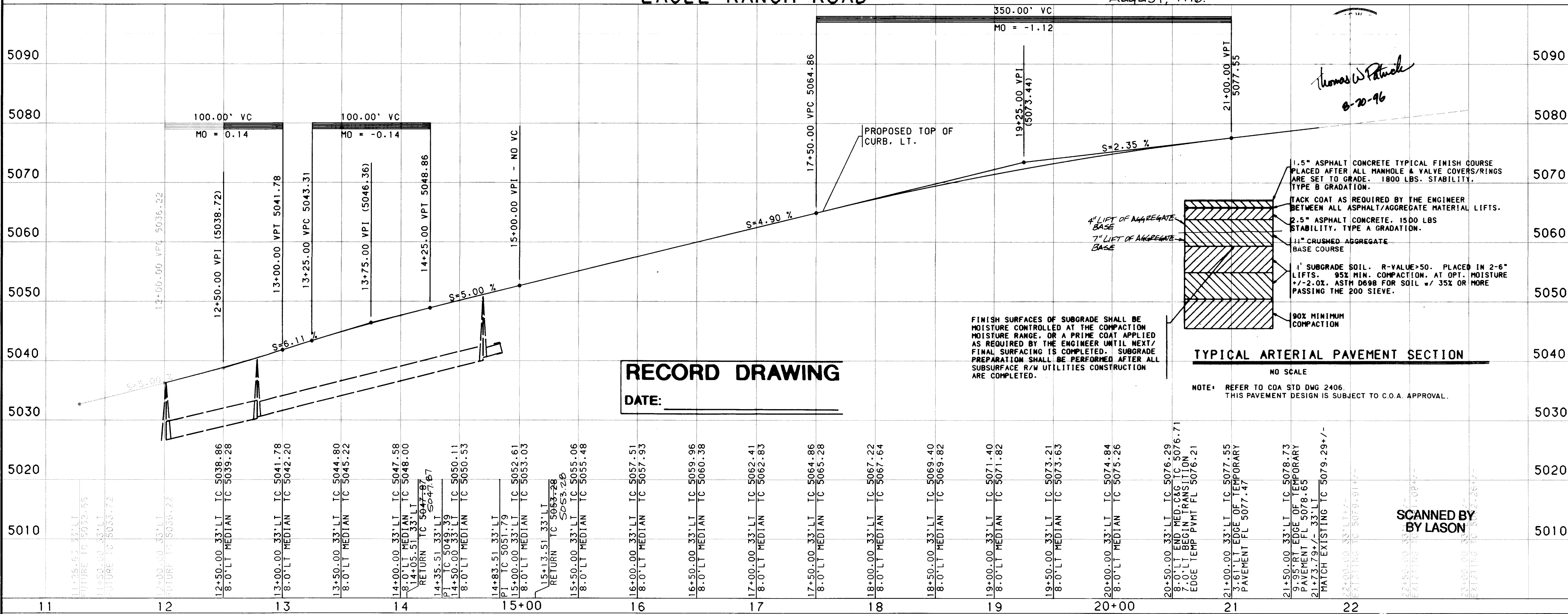


**TYPICAL ARTERIAL PAVEMENT SECTION**

NOTE: REFER TO COA STD DWG 2406. THIS PAVEMENT DESIGN IS SUBJECT TO C.O.A. APPROVAL.

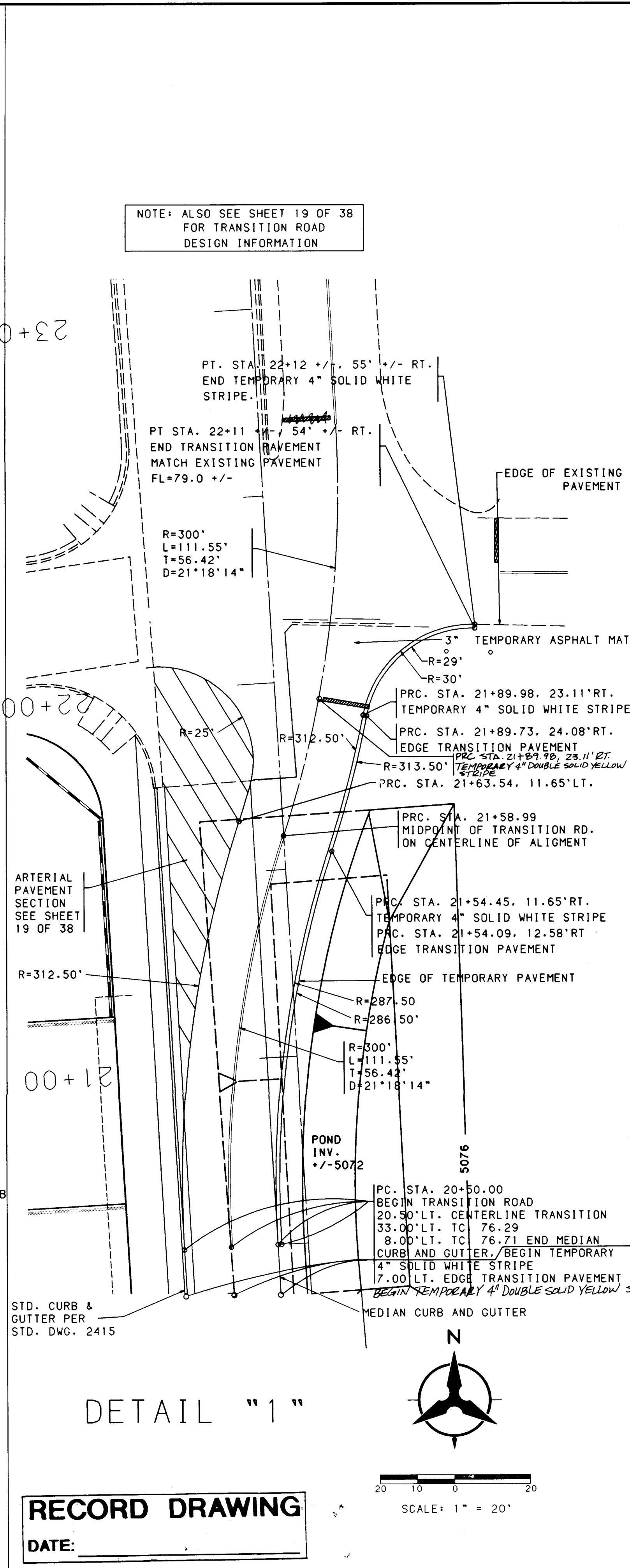
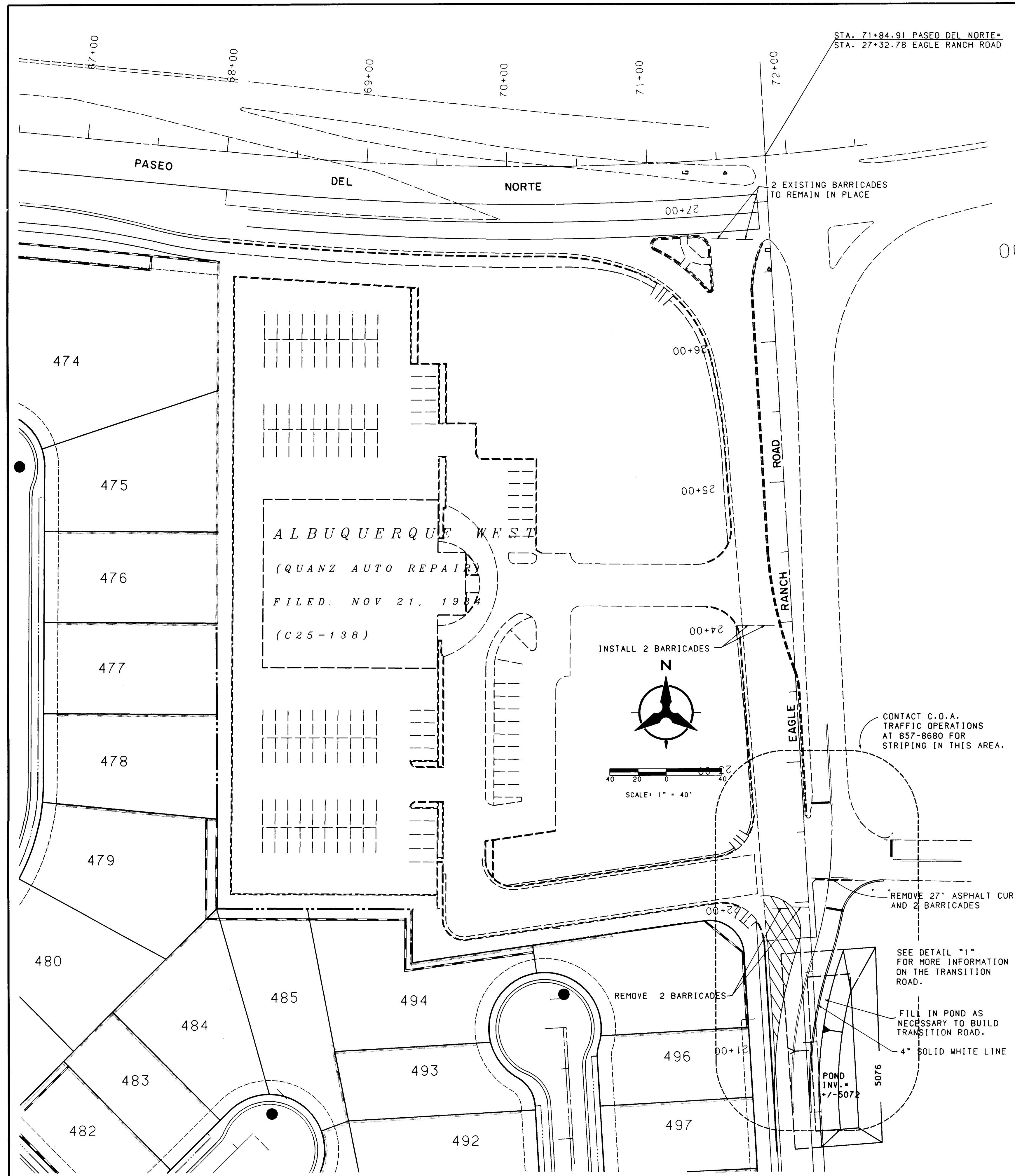
**RECORD DRAWING**

DATE: \_\_\_\_\_



SCANNED BY LASON

|                                                                                                    |          |              |             |                |         |
|----------------------------------------------------------------------------------------------------|----------|--------------|-------------|----------------|---------|
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING                                      |          |              |             |                |         |
| RANCHO SERENO SUBDIVISION - UNIT IV<br>PAVING PLAN & PROFILE<br>EAGLE RANCH RD. STA. 11+00 - 21+00 |          |              |             |                |         |
| APPROVALS                                                                                          | ENGINEER | DATE         | APPROVALS   | ENGINEER       | DATE    |
| DRC CHAIRMAN                                                                                       | 12-2-96  | 12-2-96      | WATER       | 12-2-96        | 12-2-96 |
| TRANSPORTATION                                                                                     | 12-2-96  | 12-2-96      | WASTE WATER | 12-2-96        | 12-2-96 |
| HYDROLOGY                                                                                          | 12-2-96  | 12-2-96      |             |                |         |
| DRAWING NO. 4569.96                                                                                |          | MAP NO. C-12 |             | SHEET 19 OF 38 |         |



**NOTES**

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- REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

**AS-BUILT INFORMATION**

CONTRACTOR: SPARKLING CONST.  
 STATION: 27+00  
 DATE: 11/21/95  
 BY: J. H. LASON

**ENGINEER'S SEAL SURVEY INFORMATION**

NO. 1  
 DATE: 11/21/95  
 BY: J. H. LASON

**REVISIONS**

| NO. | DATE     | REMARKS |
|-----|----------|---------|
| 1   | 11/21/95 | DESIGN  |

DESIGNED BY: MSJ JCA  
 DRAWN BY: SAR JCA  
 CHECKED BY: KLD

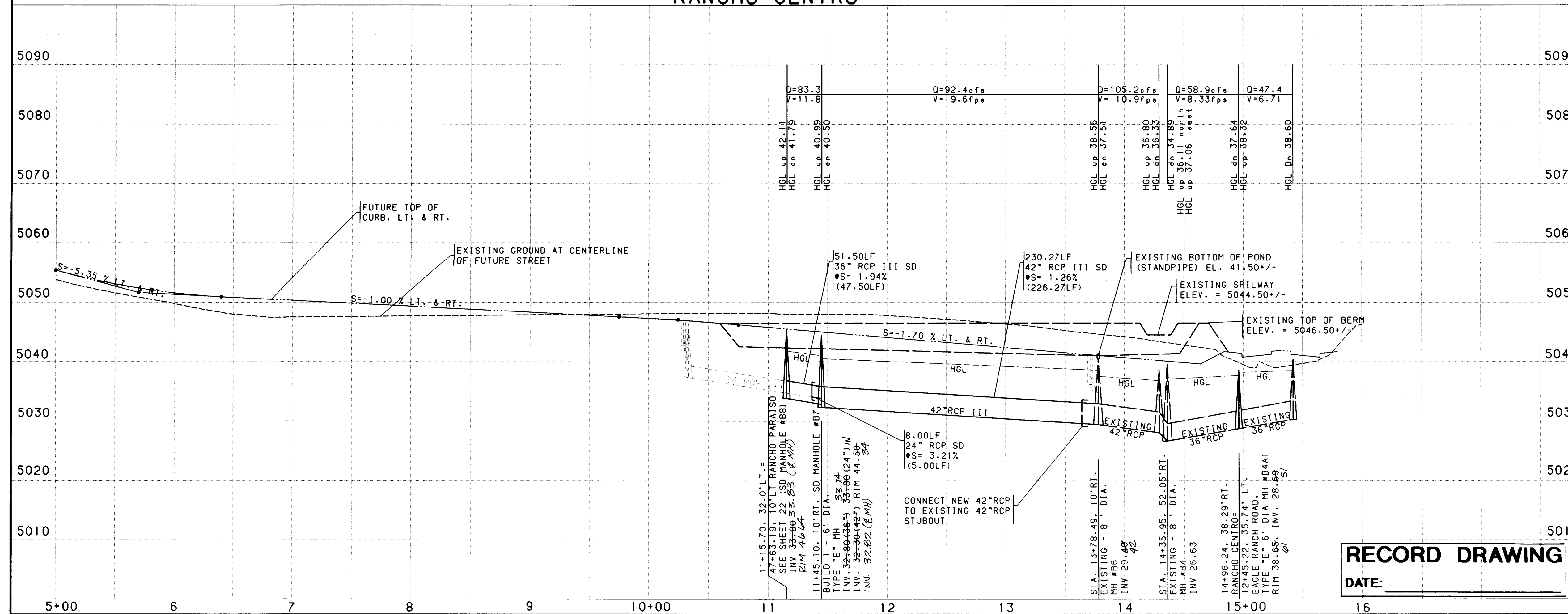
**CITY OF ALBUQUERQUE  
 PUBLIC WORKS DEPARTMENT  
 ENGINEERING**

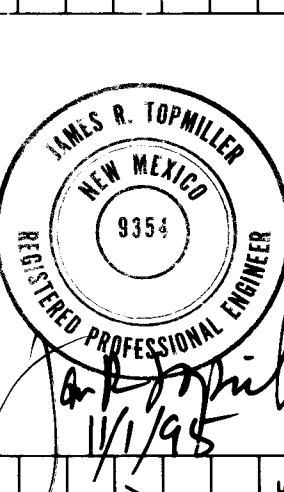
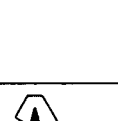
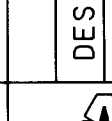
**RANCHO SERENO SUBDIVISION - UNIT IV  
 INTERSECTION PLAN  
 EAGLE RANCH RD. \ PASEO DEL NORTE**

| APPROVALS      | ENGINEER    | DATE     | APPROVALS   | ENGINEER | DATE |
|----------------|-------------|----------|-------------|----------|------|
| DRG. CHAIRMAN  | J. H. LASON | 11/21/95 | WATER       |          |      |
| TRANSPORTATION |             |          | WASTE WATER |          |      |
| HYDROLOGY      |             |          |             |          |      |

DRAWING NO. 4569.96  
 MAP NO. C-12  
 SHEET 20 OF 38

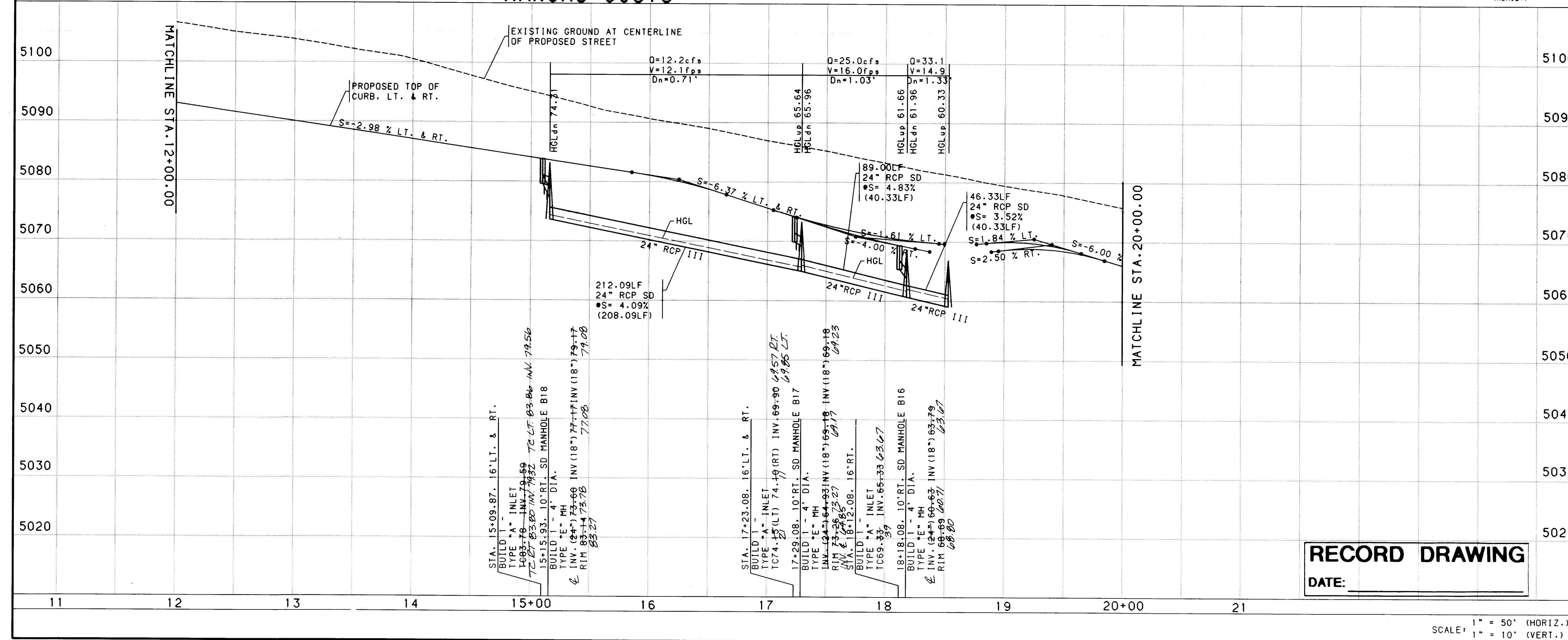
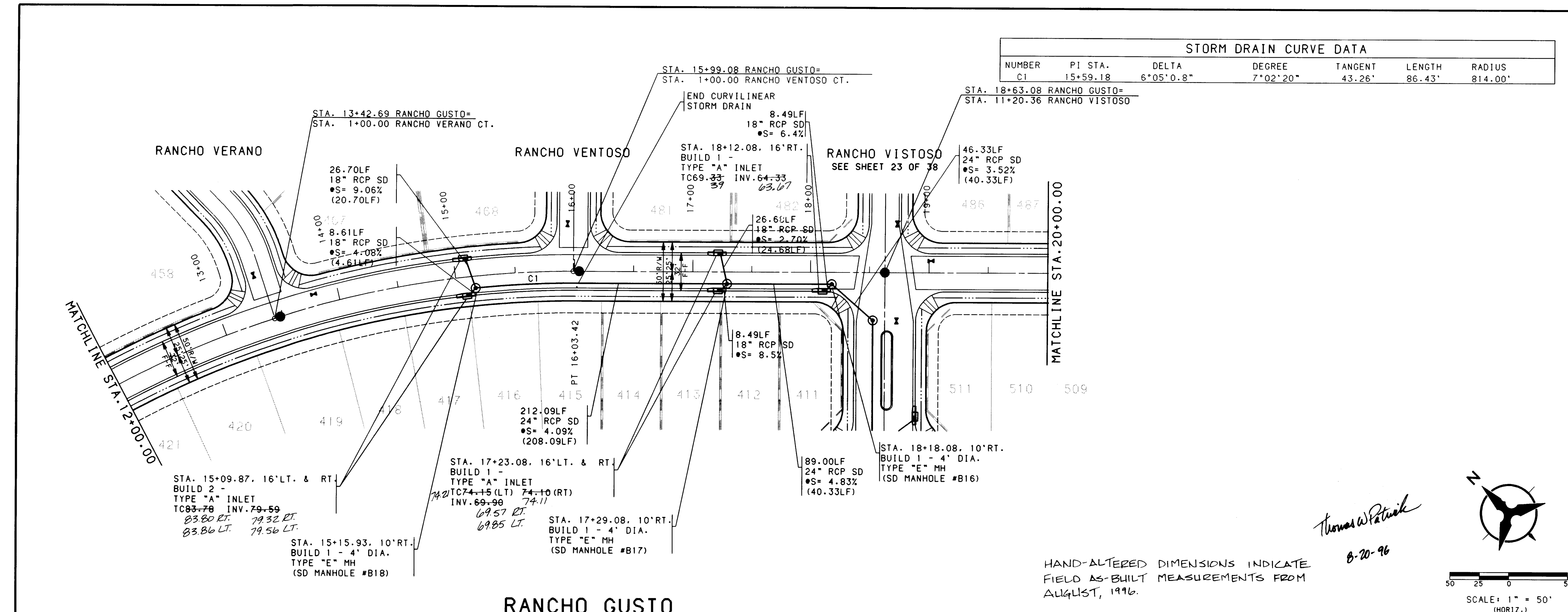
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| NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                             |  | AS-BUILT INFORMATION                                                                                                                                                                                                                        |  |                                                                                       |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|
| <p>1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.</p> <p>2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.</p> <p>3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.</p> <p>4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.</p> <p>5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.</p> <p>6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.</p> <p>7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.</p> <p>8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.</p> <p>9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.</p> <p>10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.</p> <p>11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAW CUT ONLY).</p> <p>12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.</p> <p>13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:</p> |  |                                                                                             |  | <p>CONTRACTOR SEALING CONST<br/>STAMP BY TMLP (BH)</p> <p>INSPECTOR'S<br/>INSTRUMENT NO. DATE %<br/>FIELD VERIFICATION BY J.W. (BH) DATE %<br/>CORRECTED BY J.R. (BH) DATE %</p> <p>MICRO-FILM INFORMATION<br/>RECORDED BY DATE<br/>NO.</p> |  |                                                                                       |  |
| <p>COMPANY PHONE CONTACT</p> <p>PNM 848-3374 TOM BACA</p> <p>US WEST 245-6694 BECKY OLESEN</p> <p>GAS CO. 761-7770 LEO APODACA</p> <p>JONES 761-6200 YVETTE SUAZO</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                             |  | <p>ENGINEER'S SEAL SURVEY INFORMATION</p> <p>FIELD NOTES</p> <p>NO. BY</p>                                                                                                                                                                  |  |                                                                                       |  |
| <p>BENCH MARKS</p> <p>STATION MARK IS A STANDARD USC&amp;GS BRASS TABLET, STAMPED "HUGHES, 1954". SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                             |  |                                                                                                                                                        |  |                                                                                       |  |
| <p>DESIGNED BY MSJ DATE 10/95</p> <p>DRAWN BY SAR DATE 10/95</p> <p>CHECKED BY KLD DATE 10/95</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                             |  | <p>REMARKS</p> <p>REVISED</p> <p>DESIGN</p>                                                                                                                                                                                                 |  |                                                                                       |  |
| <p>NO. DATE</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                             |  | <p>BY</p>                                                                                                                                                                                                                                   |  |                                                                                       |  |
| <p><b>SCANNED BY</b></p> <p><b>BY LASON</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                             |  |                                                                                                                                                                                                                                             |  |                                                                                       |  |
| <p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15</p> <p>20-195729-18A 2844C</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                             |  |                                                                                                                                                                                                                                             |  |                                                                                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | <p><b>CITY OF ALBUQUERQUE</b><br/><b>PUBLIC WORKS DEPARTMENT</b><br/><b>ENGINEERING</b></p> |  |                                                                                                                                                                                                                                             |  |  |  |
| <p><b>RANCHO SERENO SUBDIVISION - UNIT IV</b><br/><b>STORM DRAIN PLAN &amp; PROFILE</b><br/><b>RANCHO CENTRO STA. 7+00.00 - 14+59.58</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                             |  |                                                                                                                                                                                                                                             |  |                                                                                       |  |
| APPROVALS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | ENGINEER                                                                                    |  | DATE                                                                                                                                                                                                                                        |  | DATE                                                                                  |  |
| DRC CHAIRMAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | <i>[Signature]</i>                                                                          |  | 12-96                                                                                                                                                                                                                                       |  |                                                                                       |  |
| TRANSPORTATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | <i>[Signature]</i>                                                                          |  | 1/24/97                                                                                                                                                                                                                                     |  | 11/30/95                                                                              |  |
| HYDROLOGY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | <i>[Signature]</i>                                                                          |  | 12-4-95                                                                                                                                                                                                                                     |  |                                                                                       |  |
| DRAWING NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 4569.96                                                                                     |  | MAP NO.                                                                                                                                                                                                                                     |  | C-12                                                                                  |  |
| SHEET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | 21                                                                                          |  | OF                                                                                                                                                                                                                                          |  | 38                                                                                    |  |







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- THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

| COMPANY | PHONE    | CONTACT      |
|---------|----------|--------------|
| PHM     | 848-3374 | TOM BACA     |
| US WEST | 245-6694 | BECKY OLESEN |
| GAS CO. | 761-7770 | LEO APDACA   |
| JONES   | 761-6200 | YVETTE SUAZO |

**RECORD DRAWING**

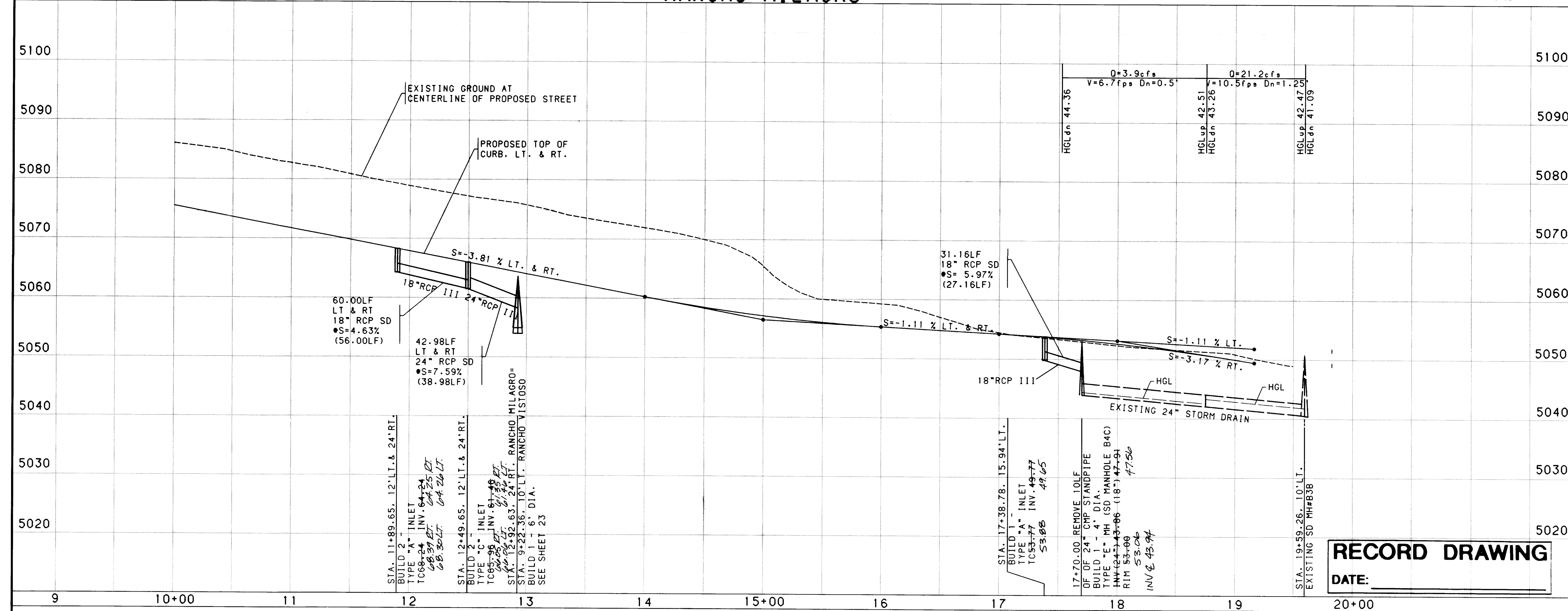
DATE: \_\_\_\_\_

**CITY OF ALBUQUERQUE**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING

**RANCHO SERENO SUBDIVISION - UNIT IV**  
STORM DRAIN PLAN & PROFILE  
RANCHO GUSTO STA. 12+00.00 - 20+00.00

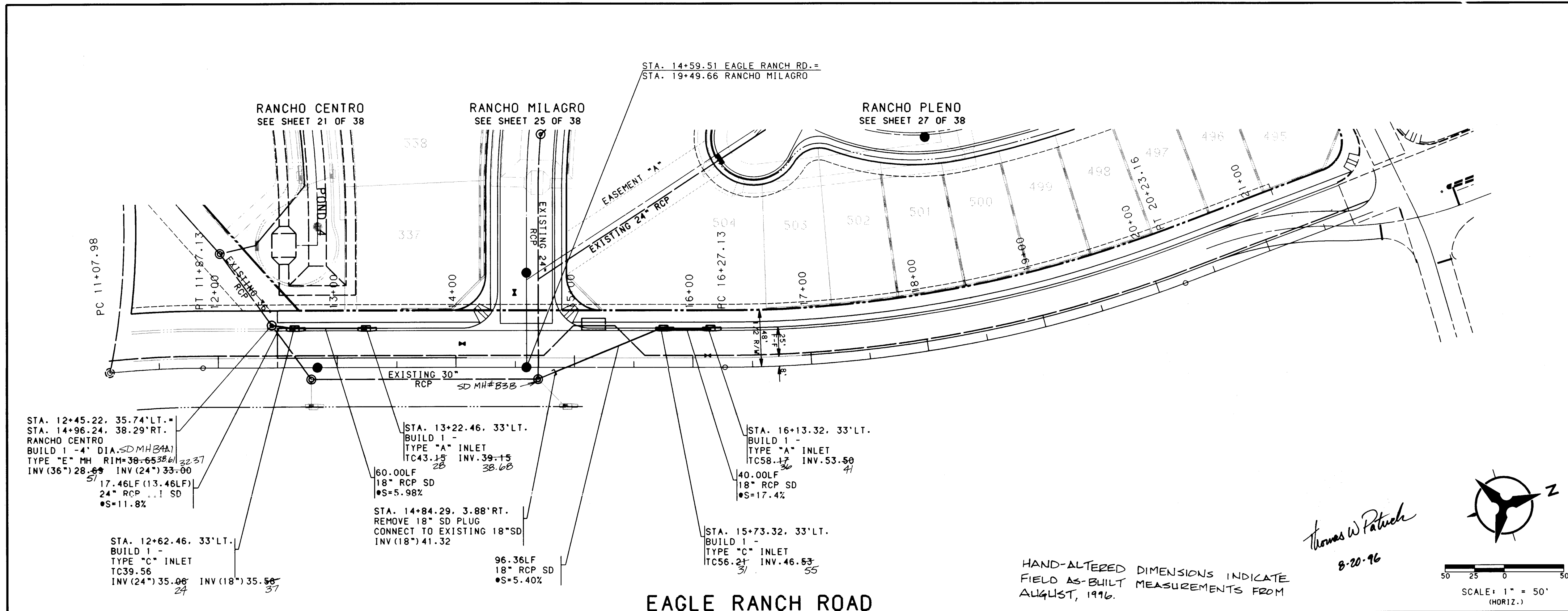
| APPROVALS      | ENGINEER       | DATE    | APPROVALS   | ENGINEER | DATE |
|----------------|----------------|---------|-------------|----------|------|
| DRC CHAIRMAN   | 89.60/12-29-96 | WATER   | 681         | 11/2/95  |      |
| TRANSPORTATION | NA             | 1/24/95 | WASTE WATER |          |      |
| HYDROLOGY      | JPC            | 12-4-95 |             |          |      |

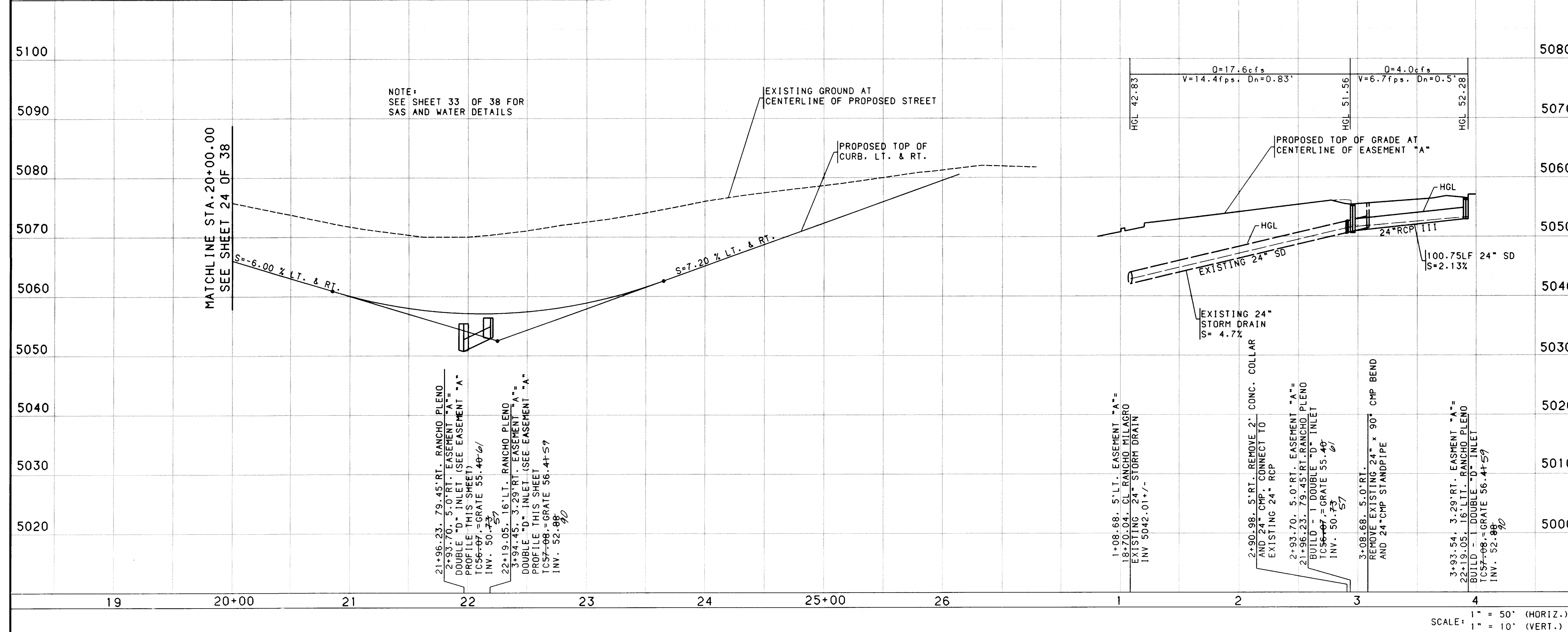
DRAWING NO. 4569.96 MAP NO. C-12 SHEET 24 OF 38



20-4569-96 2596

|                        |                 |               |
|------------------------|-----------------|---------------|
| DRAWING<br>NO. 4569 96 | MAP NO.<br>C-12 | SHEET 25 OF 3 |
|------------------------|-----------------|---------------|





- | 13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS: |          |              |  |
|-----------------------------------------------------------------------------------------------------------------------|----------|--------------|--|
| COMPANY                                                                                                               | PHONE    | CONTACT      |  |
| PNM                                                                                                                   | 848-3374 | TOM BACA     |  |
| US WEST                                                                                                               | 245-6694 | BECKY OLESEN |  |
| GAS CO.                                                                                                               | 761-7770 | LEO APODACA  |  |
| JONES                                                                                                                 | 761-6200 | YVETTE SUAZO |  |

**SCANNED BY  
BY LASON**

20040519 176121796

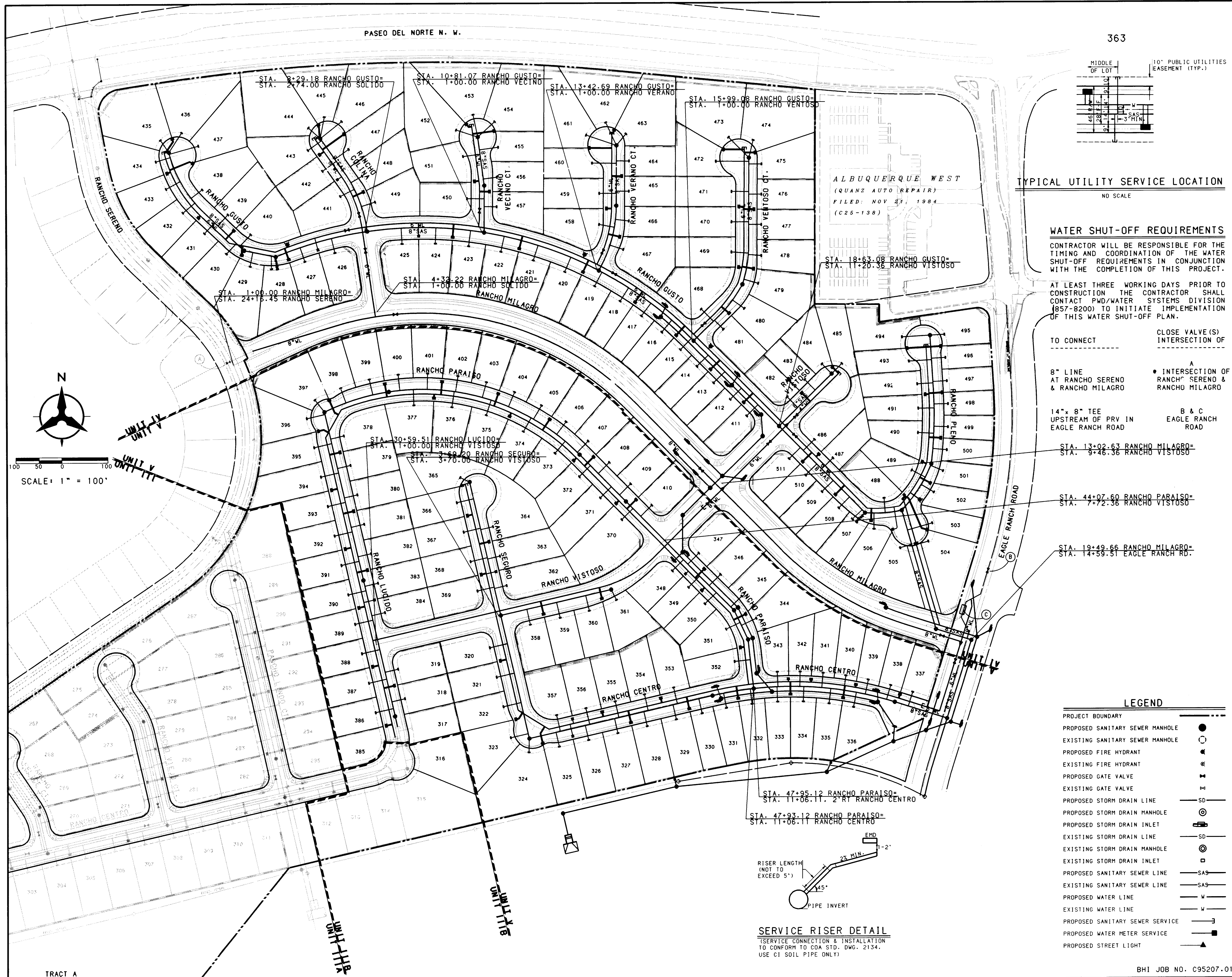
| <b>RECORD DRAWING</b> |  |
|-----------------------|--|
| <b>DATE:</b>          |  |
|                       |  |

| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING                                               |            |          |             |
|-------------------------------------------------------------------------------------------------------------|------------|----------|-------------|
| RANCHO SERENO SUBDIVISION - UNIT IV<br>STORM DRAIN PLAN & PROFILE<br>RANCHO PLENTO STA. 20+00.00 - 26+10.97 |            |          |             |
| APPROVALS                                                                                                   | ENGINEER   | DATE     | APPROVALS   |
| DRC CHAIRMAN                                                                                                | B.G. Gaddy | 12-29-96 | WATER       |
| TRANSPORTATION                                                                                              | M.R. RHC   | 1/22/98  | WASTE WATER |
| HYDROLOGY                                                                                                   | JPC        | 12-4-95  |             |

| DRAWING NO. | MAP NO. | SHEET | OF |
|-------------|---------|-------|----|
| 4569.96     | C-12    | 27    | 38 |



# NOTES

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- GAS CO. 761-7770 LEO APDACA
- JONES 761-6200 YVETTE SUAZO
14. FOR RESTRAINED JOINTS, SEE TABLE - SHEET 29 OF 38 (TYP.).
15. FIRE HYDRANTS RESTRAINED FROM DISTRIBUTION LINE TO FLANGE (TYP.).
16. ALL SERVICE CONNECTIONS MUST BE MADE TO THE MAINLINE EXCEPT AT THE END OF CUL-DE-SACS WHERE CONNECTION TO A MANHOLE IS PERMITTED.

SCANNED BY  
BY LASON

RECORD DRAWING

DATE:



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

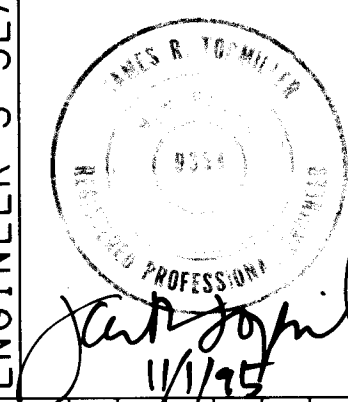
RANCHO SERENO SUBDIVISION - UNIT IV  
OVERALL UTILITY PLAN

| APPROVALS      | ENGINEER | DATE    | APPROVALS   | ENGINEER | DATE    |
|----------------|----------|---------|-------------|----------|---------|
| DRC CHAIRMAN   | NA       | 12-2-96 | WATER       | NA       | 12-2-96 |
| TRANSPORTATION | NA       | 12-2-96 | WASTE WATER | NA       | 12-2-96 |
| HYDROLOGY      | NA       | 12-2-96 |             |          |         |

|             |         |         |      |       |    |    |    |
|-------------|---------|---------|------|-------|----|----|----|
| DRAWING NO. | 4569.96 | MAP NO. | C-12 | SHEET | 28 | OF | 38 |
|-------------|---------|---------|------|-------|----|----|----|

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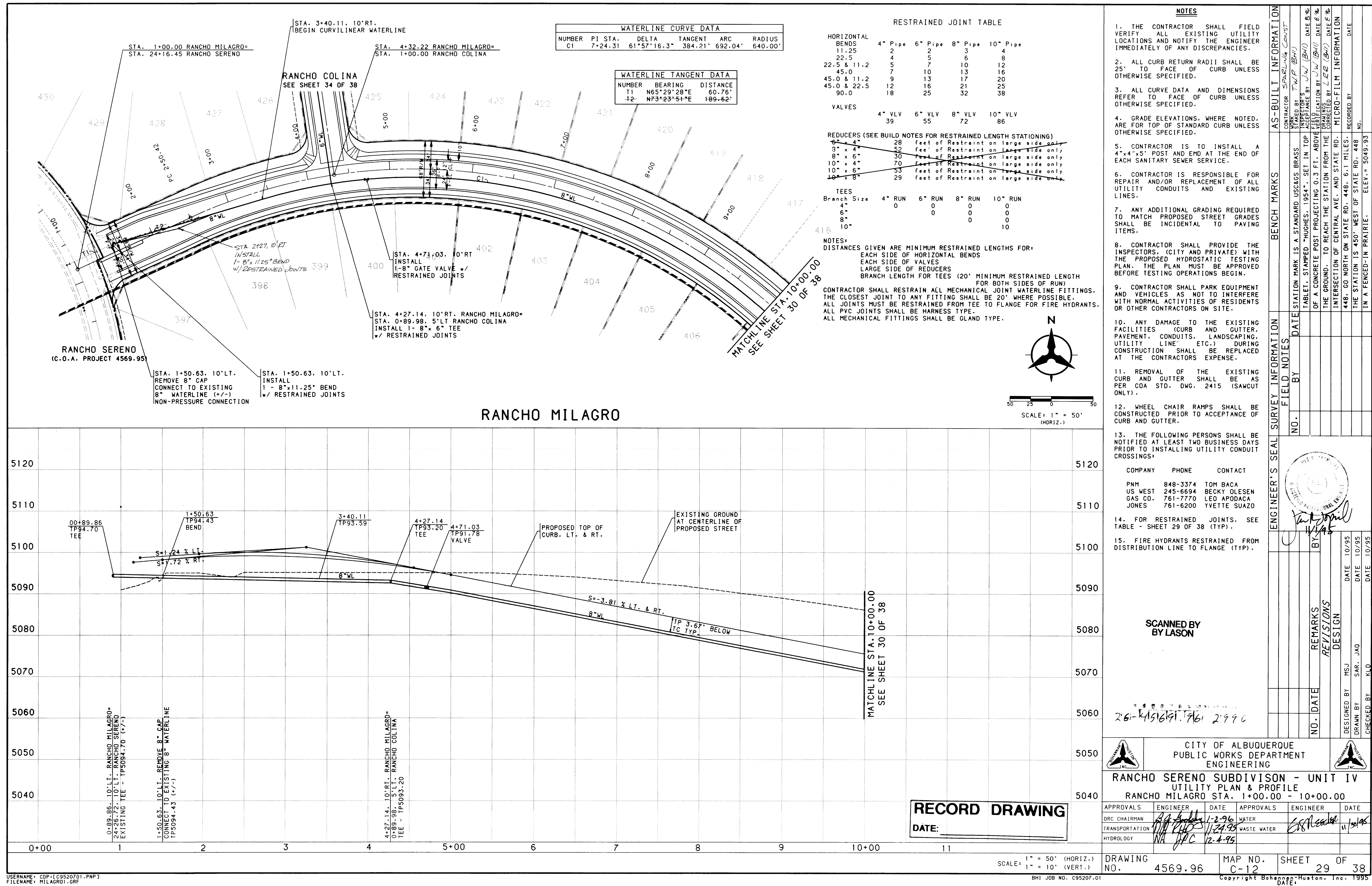
| AS-BUILT INFORMATION |                  | BENCH MARKS                                                                                                                                                                                                                                                                              |                           | ENGINEER'S SEAL SURVEY INFORMATION |    | FIELD NOTES |      |
|----------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------|----|-------------|------|
| CONTRACTOR           | SPARKLING CONST. | STATION MARK                                                                                                                                                                                                                                                                             | IS A STANDARD US&GS BRASS | NO.                                | BY | DATE        | DATE |
| INSPECTOR'S          | NA               | TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. | NA                        | NO.                                | BY | DATE        | DATE |



REVISIONS

DESIGNED BY MSJ  
DRAWN BY SAR  
CHECKED BY KLD

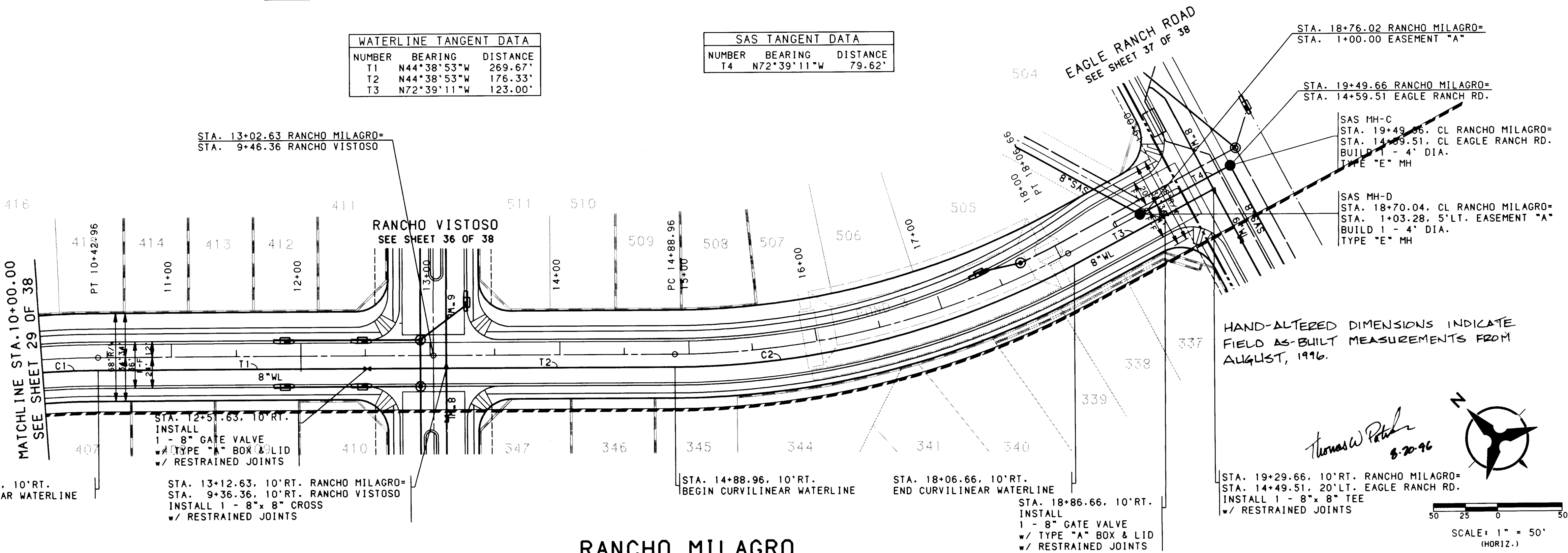
DATE 10/95  
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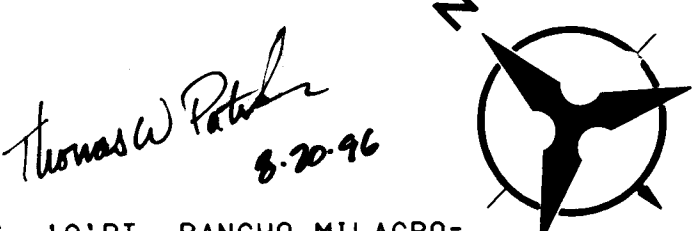
| WATERLINE CURVE DATA |          |             |         |         |         |
|----------------------|----------|-------------|---------|---------|---------|
| NUMBER               | PI STA.  | DELTA       | TANGENT | ARC     | RADIUS  |
| C1                   | 7+24.31  | 61°57'16.3" | 384.21' | 692.04' | 640.00' |
| C2                   | 16+53.54 | 28°00'18.0" | 164.59' | 322.59' | 660.00' |

| WATERLINE TANGENT DATA |             |          |
|------------------------|-------------|----------|
| NUMBER                 | BEARING     | DISTANCE |
| T1                     | N44°38'53"W | 269.67'  |
| T2                     | N44°38'53"W | 176.33'  |
| T3                     | N72°39'11"W | 123.00'  |

| SAS TANGENT DATA |             |          |
|------------------|-------------|----------|
| NUMBER           | BEARING     | DISTANCE |
| T4               | N72°39'11"W | 79.62'   |

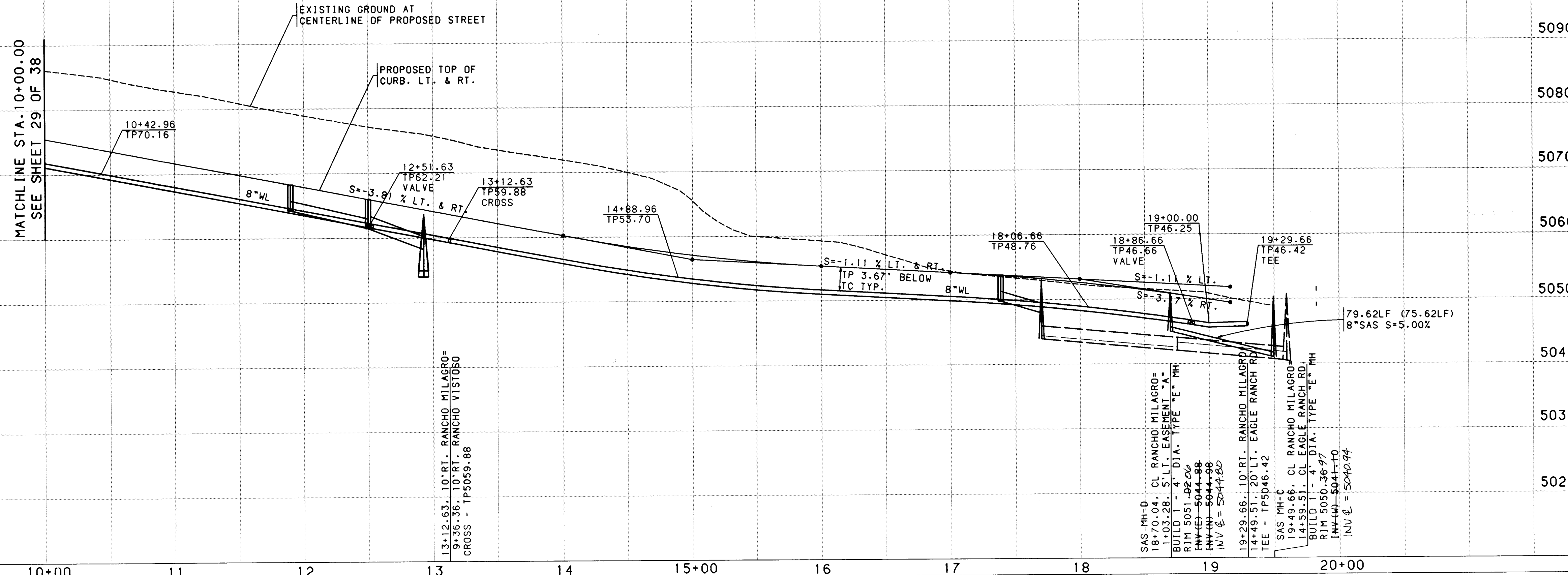


HAND-ALTERED DIMENSIONS INDICATE FIELD AS-BUILT MEASUREMENTS FROM AUGUST, 1996.



SCALE: 1" = 50' (HORIZ.)

MATCHLINE STA. 10+00.00  
SEE SHEET 29 OF 38



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|---------|----------|--------------|
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| US WEST | 245-6694 | BECKY OLESEN |
| GAS CO. | 761-7770 | LEO APODACA  |
| JONES   | 761-6200 | YVETTE SUAZO |

FOR RESTRAINED JOINTS, SEE TABLE - SHEET 29 OF 38 (TYP).

FIRE HYDRANTS RESTRAINED FROM DISTRIBUTION LINE TO FLANGE (TYP).

**SCANNED BY LASON**

26-45661-1961361910

**RECORD DRAWING**

DATE: \_\_\_\_\_

| APPROVALS      | ENGINEER | DATE     | APPROVALS   | ENGINEER | DATE     |
|----------------|----------|----------|-------------|----------|----------|
| DRG CHAIRMAN   | NA       | 12-29-96 | WATER       | NA       | 12-29-96 |
| TRANSPORTATION | NA       | 12-29-96 | WASTE WATER | NA       | 12-29-96 |
| HYDROLOGY      | NA       | 12-4-95  |             |          |          |

| DESIGNED BY | DRAWN BY | CHECKED BY | DATE  |
|-------------|----------|------------|-------|
| MSJ         | SAR      | KLD        | 10/95 |

NO. DATE REMARKS REVISIONS DESIGN

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING

**RANCHO SERENO SUBDIVISION - UNIT IV  
UTILITY PLAN & PROFILE  
RANCHO MILAGRO STA. 10+00.00 - 19+49.66**

DRAWING NO. 4569.96 MAP NO. C-12 SHEET 30 OF 38

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| WATER & SANITARY SEWER SERVICES |                     |         |                       |            |                              |
|---------------------------------|---------------------|---------|-----------------------|------------|------------------------------|
| LOT NUMBER                      | STATION & OFFSET    | WL TYPE | SAS STATION & OFFSET  | SAS LENGTH | TOP OF PIPE AT PLUG (W/RISE) |
| 435                             | 2+88.28, 9.87' RT.  | DOUBLE  | 2+90.18, 0.20' LT. MH | 33.14'     | 04.45 (-)                    |
| 436                             |                     |         | 2+90.18, 0.20' LT. MH | 51.62'     | 05.20 (-)                    |
| 437                             | 3+26.26, 7.76' RT.  | DOUBLE  | 2+93.80, 0.36' LT     | 65.81'     | 05.90 (-)                    |
| 438                             |                     |         | 4+01.28, 2.17' LT     | 30.86'     | 02.65 (-)                    |
| 439                             | 5+16.36, 10.00' RT. | DOUBLE  | 4+83.86, CENTERLINE   | 33.00'     | 01.50 (-)                    |
| 440                             |                     |         | 5+48.63, 1.91' RT     | 35.70'     | 00.40 (-)                    |

| WATERLINE CURVE DATA |          |             |         |         |         |
|----------------------|----------|-------------|---------|---------|---------|
| NUMBER               | PI STA.  | DELTA       | TANGENT | ARC     | RADIUS  |
| C1                   | 3+70.56  | 32°37'23.5" | 84.87'  | 165.12' | 290.00' |
| C2                   | 11+87.45 | 67°34'58.7" | 558.13' | 983.74' | 834.00' |

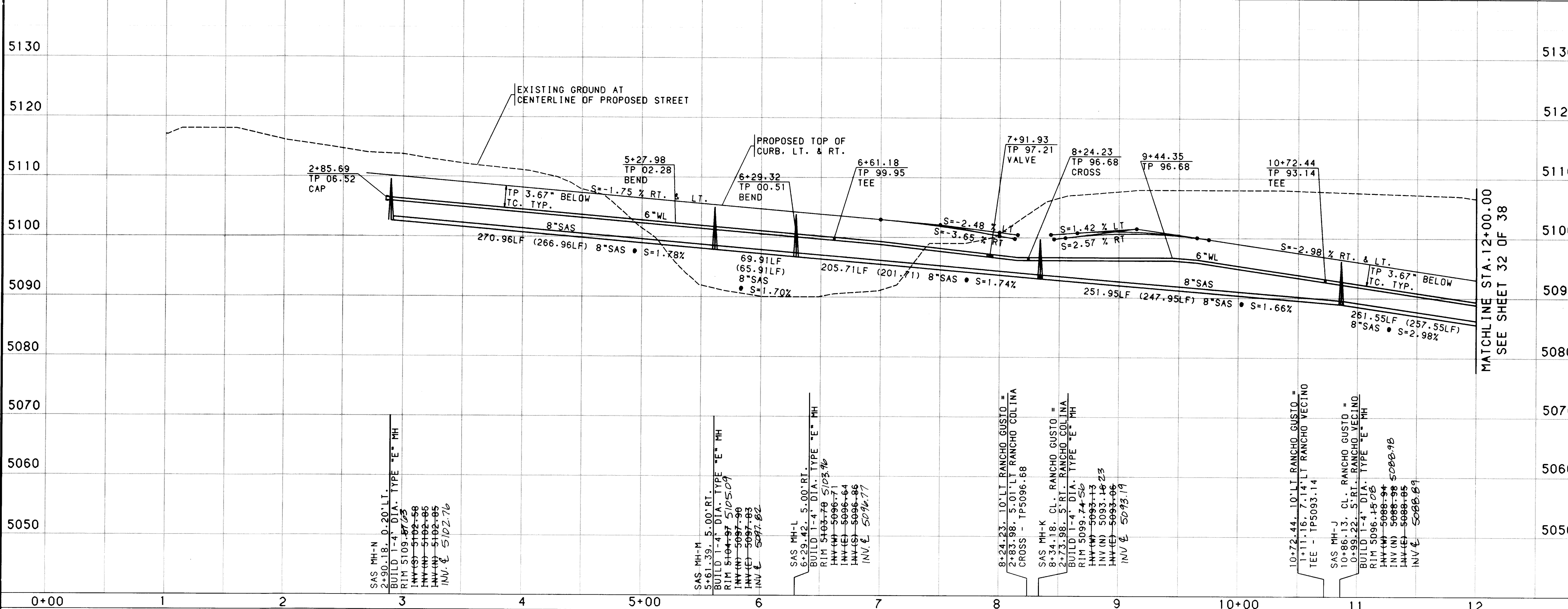
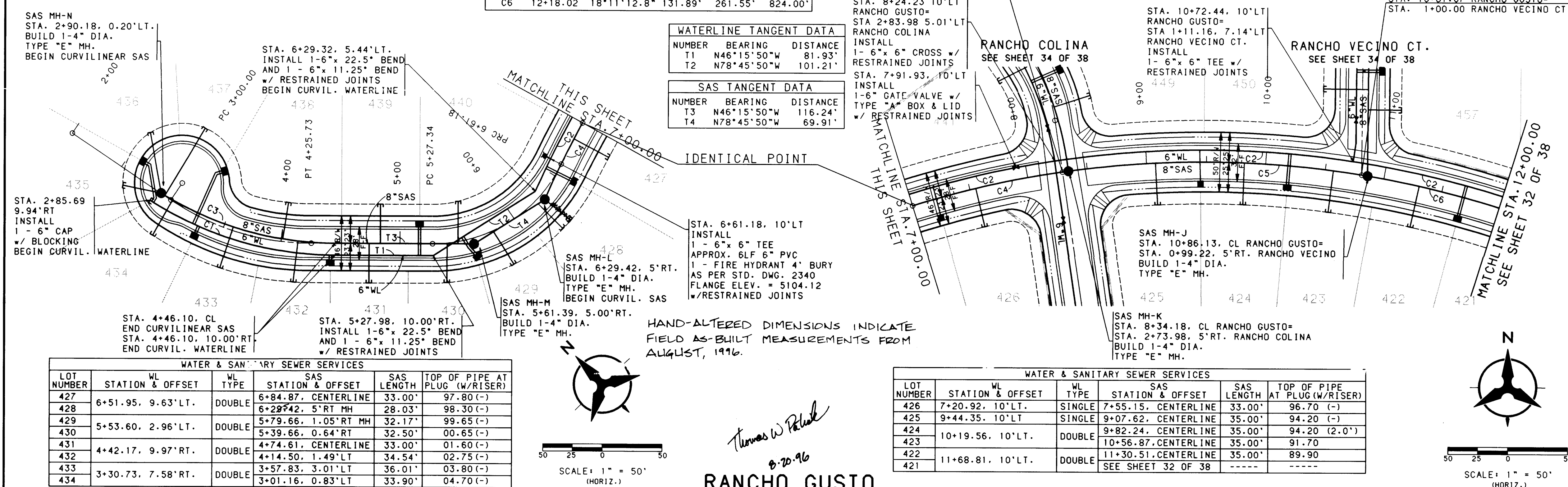
  

| SAS CURVE DATA |          |             |         |         |         |
|----------------|----------|-------------|---------|---------|---------|
| NUMBER         | PI STA.  | DELTA       | TANGENT | ARC     | RADIUS  |
| C3             | 3+69.58  | 31°39'39.5" | 79.39'  | 154.72' | 280.00' |
| C4             | 7+32.81  | 14°18'13.7" | 103.39' | 205.71' | 824.00' |
| C5             | 9+61.15  | 17°31'7.6"  | 126.96' | 251.95' | 824.00' |
| C6             | 12+18.02 | 18°11'12.8" | 131.89' | 261.55' | 824.00' |

| WATER & SANITARY SEWER SERVICES |                    |         |                      |            |                              |
|---------------------------------|--------------------|---------|----------------------|------------|------------------------------|
| LOT NUMBER                      | STATION & OFFSET   | WL TYPE | SAS STATION & OFFSET | SAS LENGTH | TOP OF PIPE AT PLUG (W/RISE) |
| 441                             | SEE SHEET 34 OF 38 | -----   | SEE SHEET 34 OF 38   | -----      | -----                        |
| 449                             | SEE SHEET 34 OF 38 | -----   | SEE SHEET 34 OF 38   | -----      | -----                        |
| 450                             | SEE SHEET 34 OF 38 | -----   | SEE SHEET 34 OF 38   | -----      | -----                        |
| 457                             | SEE SHEET 34 OF 38 | -----   | SEE SHEET 34 OF 38   | -----      | -----                        |

- NOTES**
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
  - ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
  - ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
  - GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
  - CONTRACTOR IS TO INSTALL A 4"x4"x5" POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
  - CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
  - ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
  - CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
  - CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
  - ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
  - REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
  - WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
  - THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

| AS-BUILT INFORMATION |                                | BENCH MARKS  |                                             | SURVEY INFORMATION |           |
|----------------------|--------------------------------|--------------|---------------------------------------------|--------------------|-----------|
| CONTRACTOR           | SPRUELLING CONST.              | STATION MARK | IS A STANDARD USCSGS BRASS                  | DATE               | BY        |
| INSPECTOR            | TABLET, STAMPED "HUGHES, 1954" | SET IN TOP   | OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE | NO.                |           |
| DATE                 | 10/24/96                       | VELOCITIES   | BY J.W. (B40)                               | REMARKS            | DESIGN    |
| DATE                 | 10/24/96                       | DATE         | 10/24/96                                    | DESIGNED BY        | MSJ       |
| DATE                 | 10/24/96                       | DATE         | 10/24/96                                    | DRAWN BY           | SAR - JAO |
| DATE                 | 10/24/96                       | DATE         | 10/24/96                                    | CHECKED BY         | KLO       |



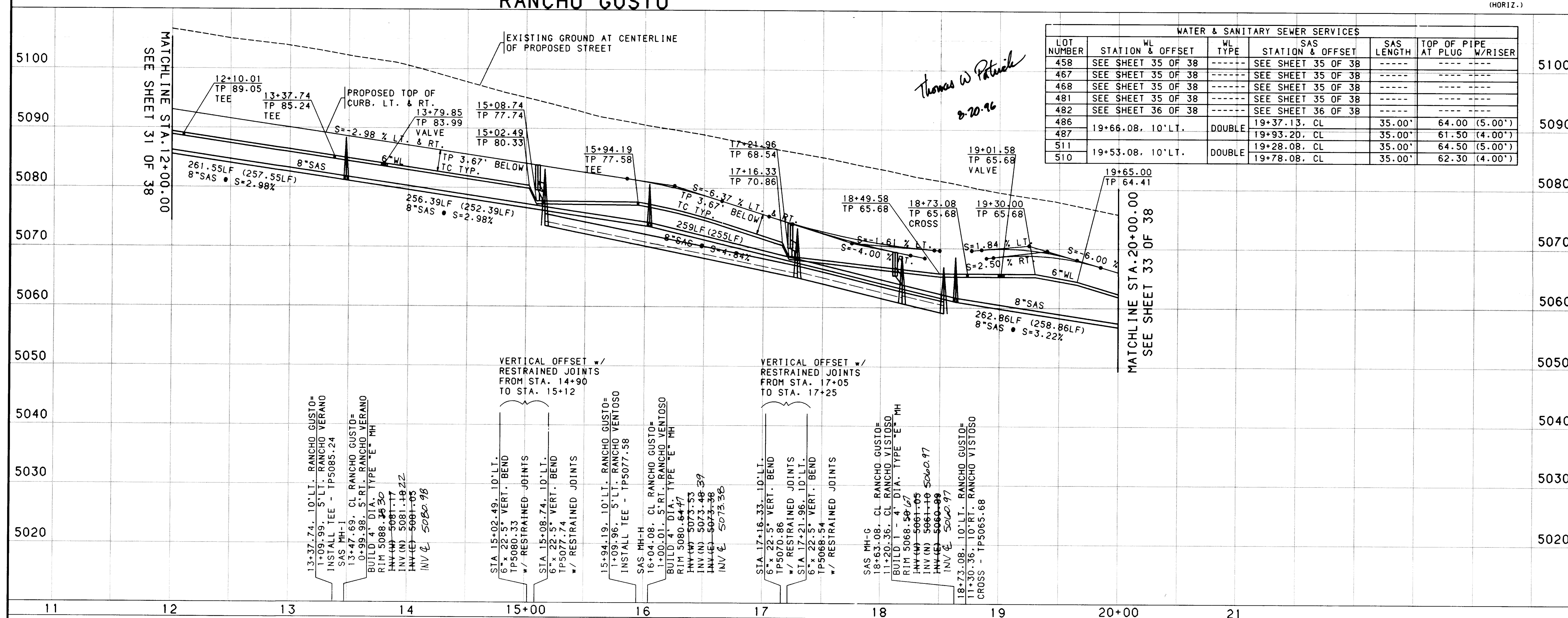
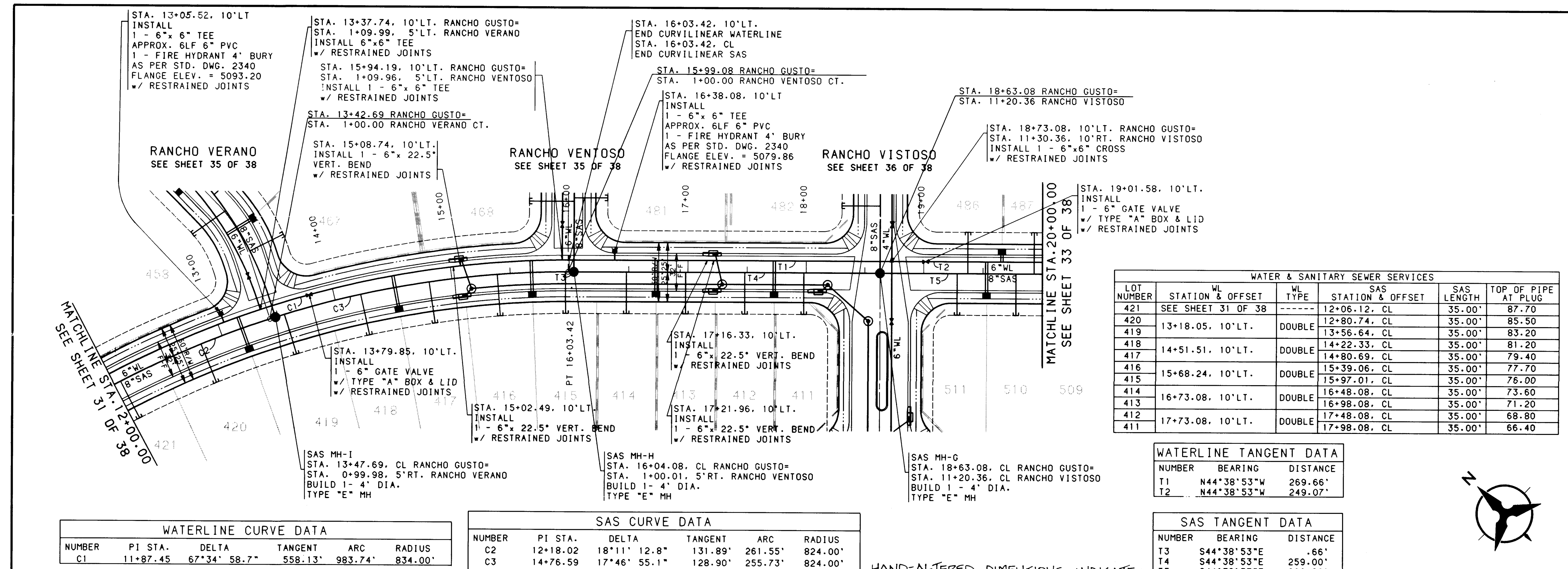
**RECORD DRAWING**

DATE: 10/24/96

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING

**RANCHO SERENO SUBDIVISION - UNIT IV**  
UTILITY PLAN & PROFILE  
RANCHO GUSTO STA. 0+00.00 - 12+00.00

| APPROVALS      | ENGINEER | DATE     | APPROVALS   | ENGINEER | DATE |
|----------------|----------|----------|-------------|----------|------|
| DRG CHAIRMAN   | 10/24/96 | 10/24/96 | WATER       |          |      |
| TRANSPORTATION | 10/24/96 | 10/24/96 | WASTE WATER |          |      |
| HYDROLOGY      | 10/24/96 | 10/24/96 |             |          |      |



USERNAME: CDP\LC9520701.PNP  
FILENAME: GUSTO3.GRF

SCALE: 1" = 50' (HORIZ.)  
1" = 10' (VERT.)

BHI JOB NO. C95207.01

**NOTES**

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
10. ANY DAMAGE TO THE EXISTING FACILITIES, (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:
14. FOR RESTRAINED JOINTS, SEE TABLE - SHEET 29 OF 38 (TYP).
15. FIRE HYDRANTS RESTRAINED FROM DISTRIBUTION LINE TO FLANGE (TYP).

**AS-BUILT INFORMATION**

CONTRACTOR: SPARKLING CONSTRUCTION

WORKED BY: TWP (BHI)

INSPECTED BY: J.W. (BHI)

DATE: 8/14/95

TABLET: STAMPED "HUGHES, 1984", SET IN TOP OF CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448, IN A FENCED-IN PRAIRIE.

**BENCH MARKS**

STATION MARK IS A STANDARD USGCS BRASS

DATE: 8/14/95

**FIELD NOTES**

NO. 1

DATE: 8/14/95

**REVISIONS**

DESIGN

DATE: 10/95

DATE: 10/95

DATE: 10/95

**COMPANY PHONE CONTACT**

PHM 848-3374 TOM BACA

US WEST 245-6694 BECKY OLESEN

GAS CO. 761-7770 LEO APODACA

JONES 761-6200 YVETTE SUAZO

**RECORD DRAWING**

DATE: 8/14/95

**CITY OF ALBUQUERQUE**

**PUBLIC WORKS DEPARTMENT**

**ENGINEERING**

**RANCHO SERENO SUBDIVISION - UNIT IV**

**UTILITY PLAN & PROFILE**

**RANCHO GUSTO STA. 12+00.00 - 20+00.00**

APPROVALS: ENGINEER DATE: 8/14/95

TRANSPORTATION: DATE: 8/14/95

HYDROLOGY: DATE: 8/14/95

DESIGNED BY: MSJ

DRAWN BY: SAR, JAO

CHECKED BY: KLD

**DRAWING NO. 4569.96**

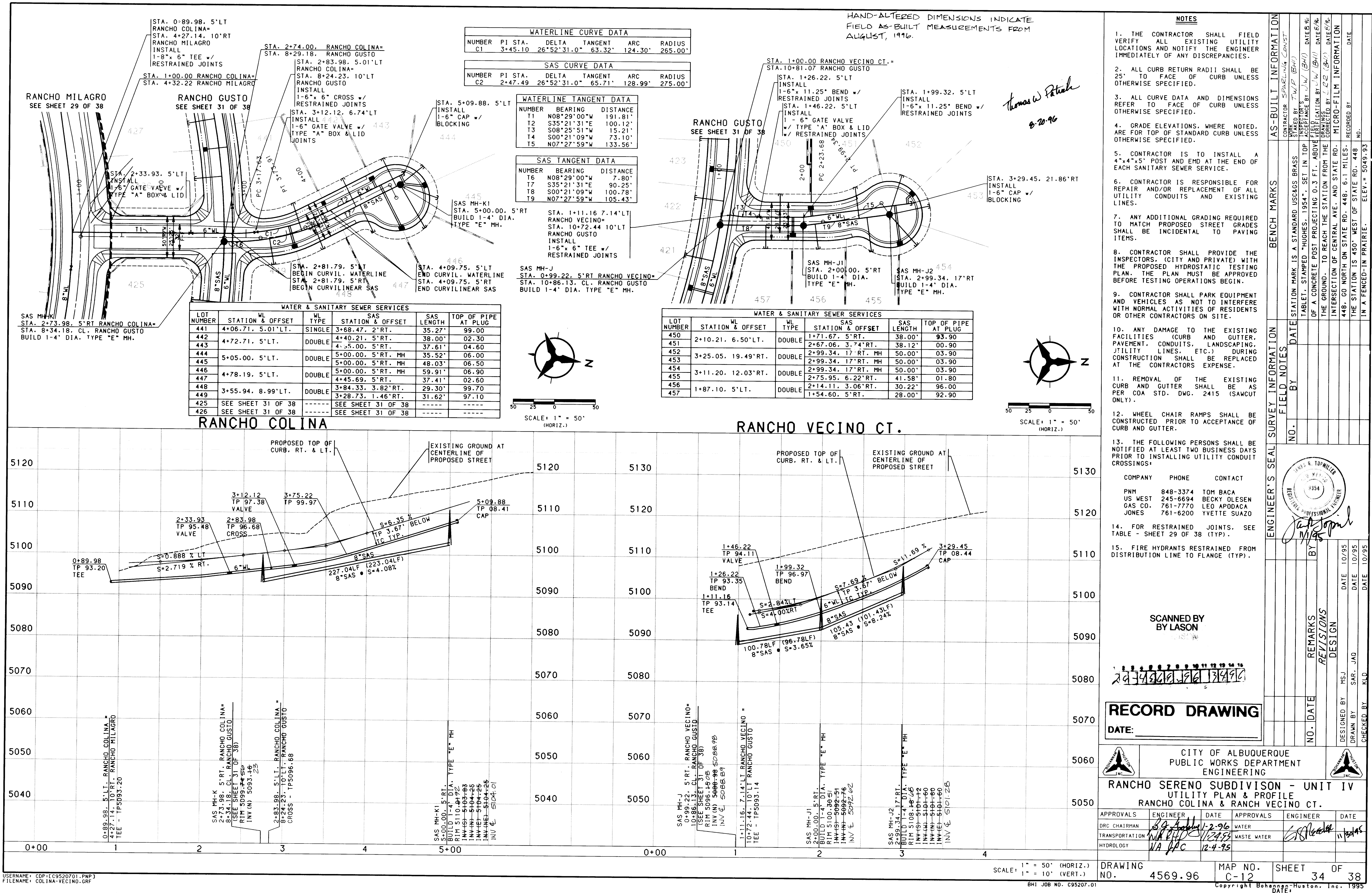
**MAP NO. C-12**

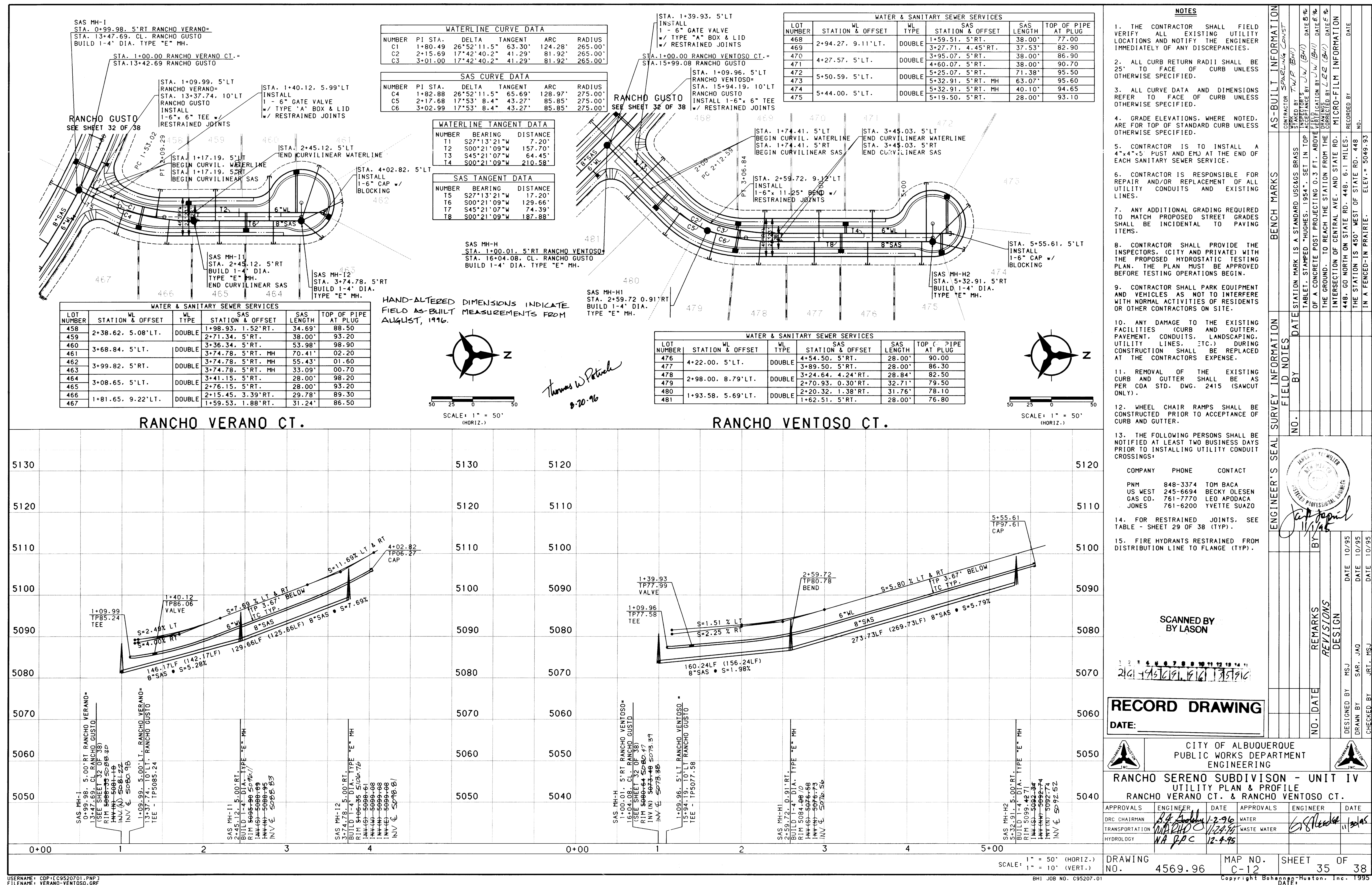
**SHEET 32 OF 38**

**DATE: 8/14/95**

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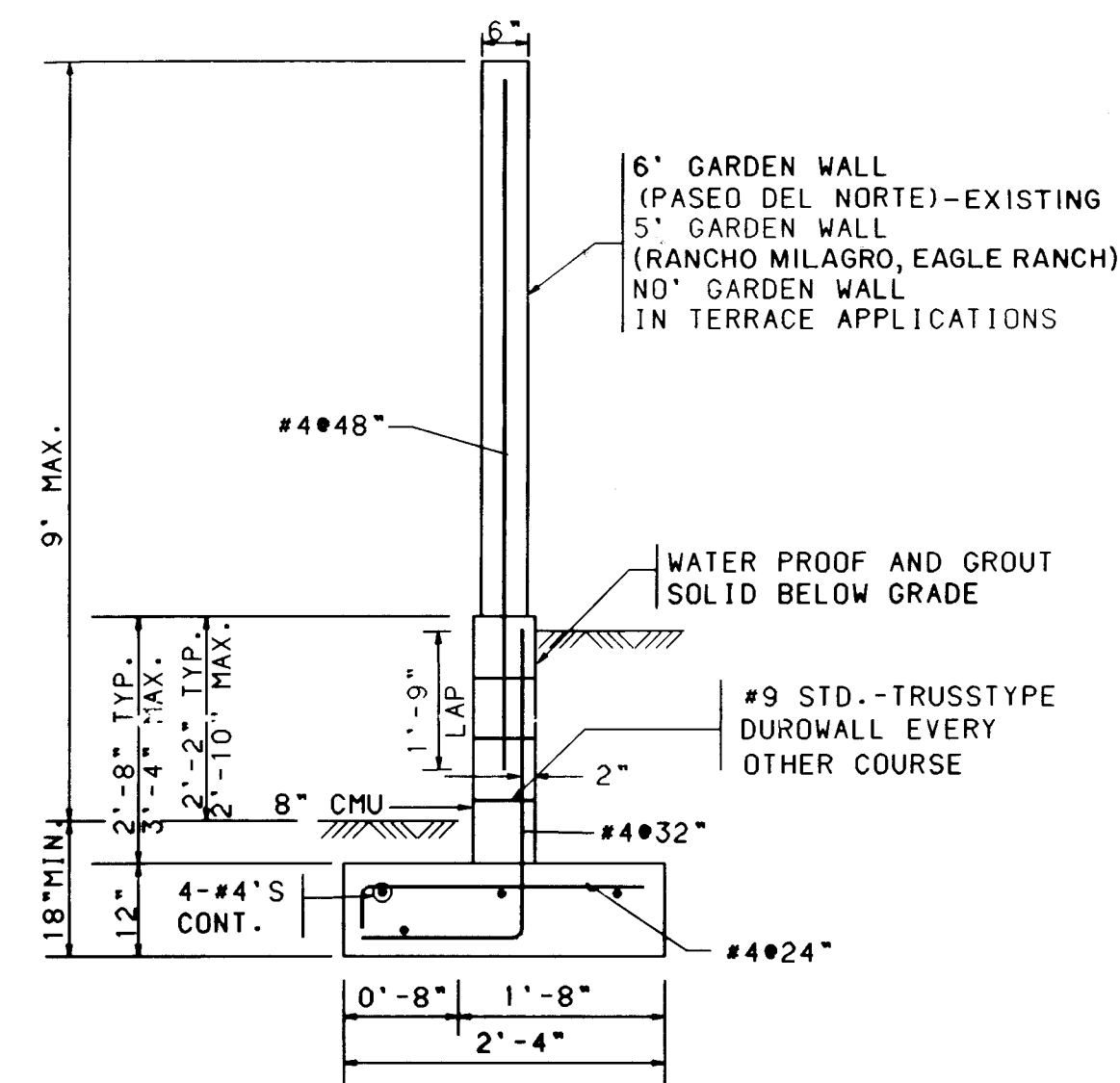




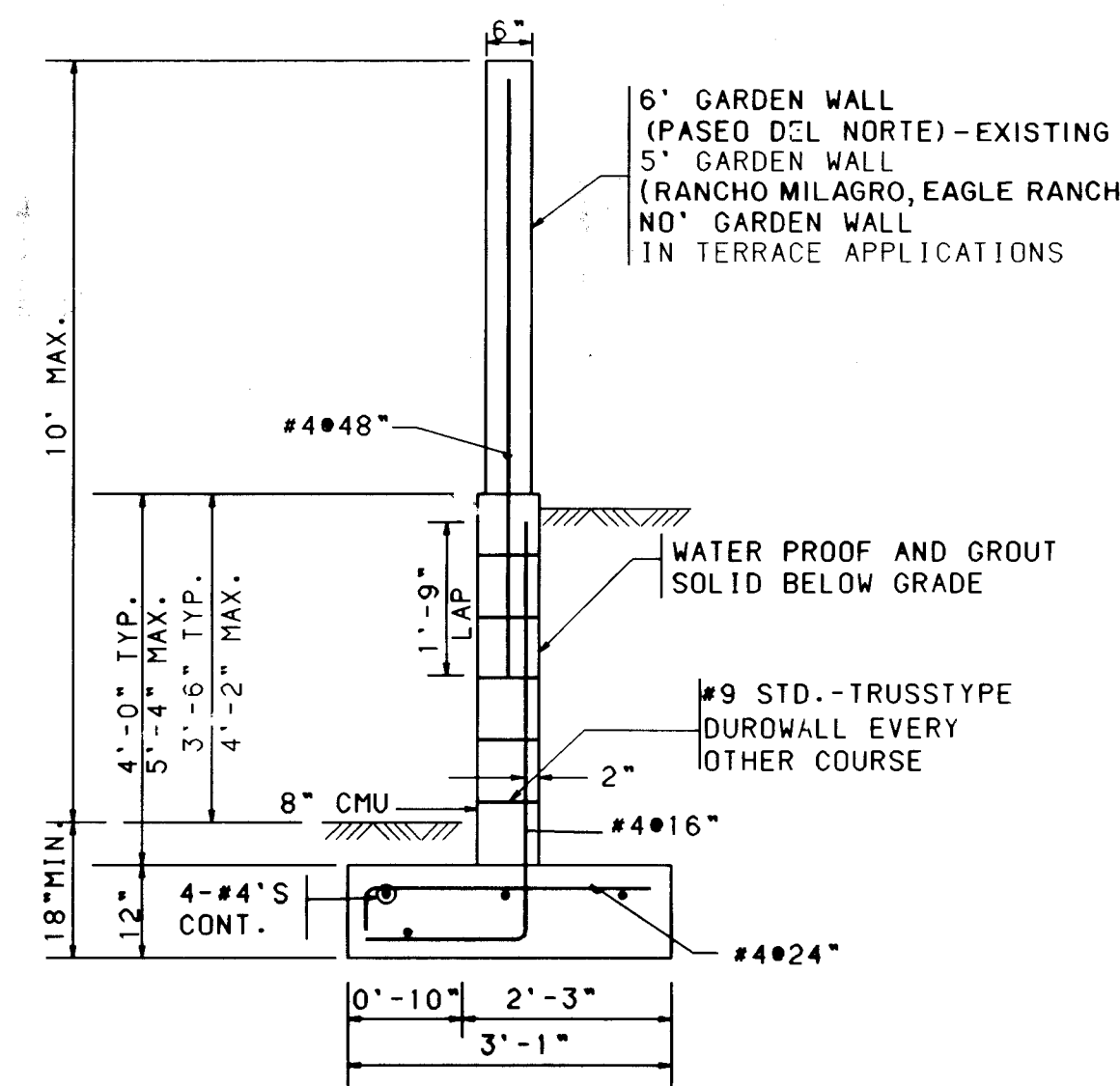




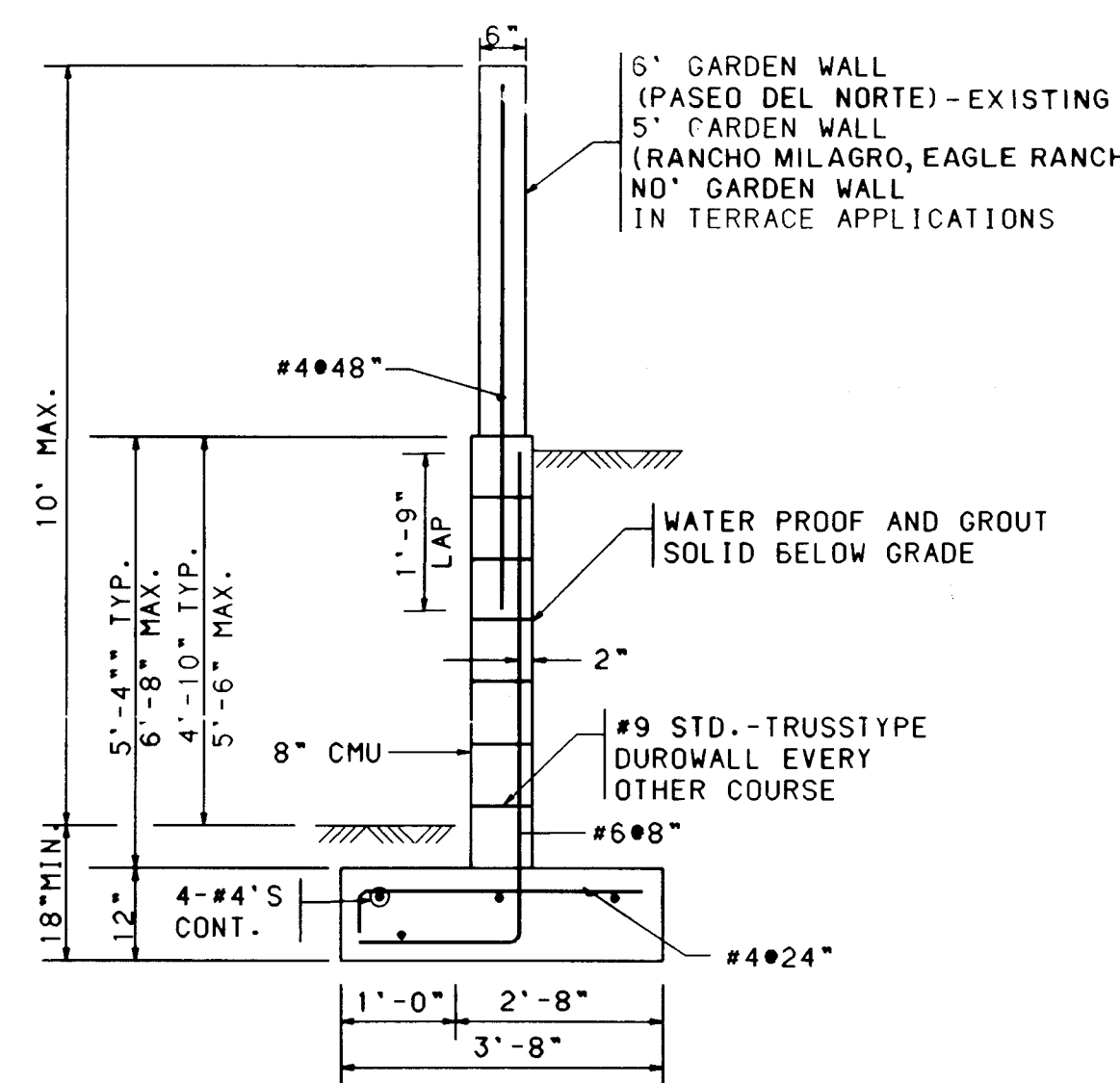




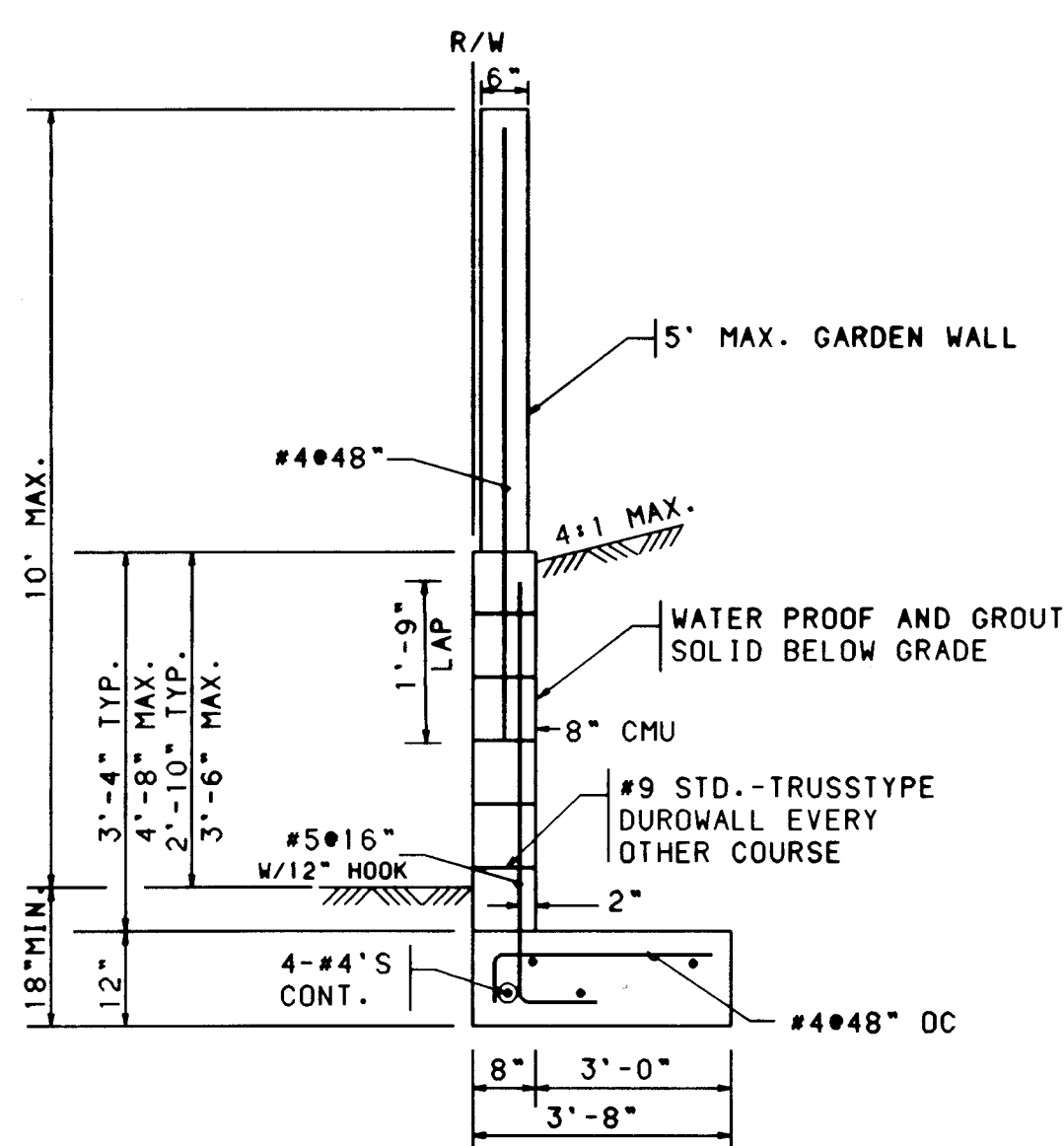
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NO SCALE



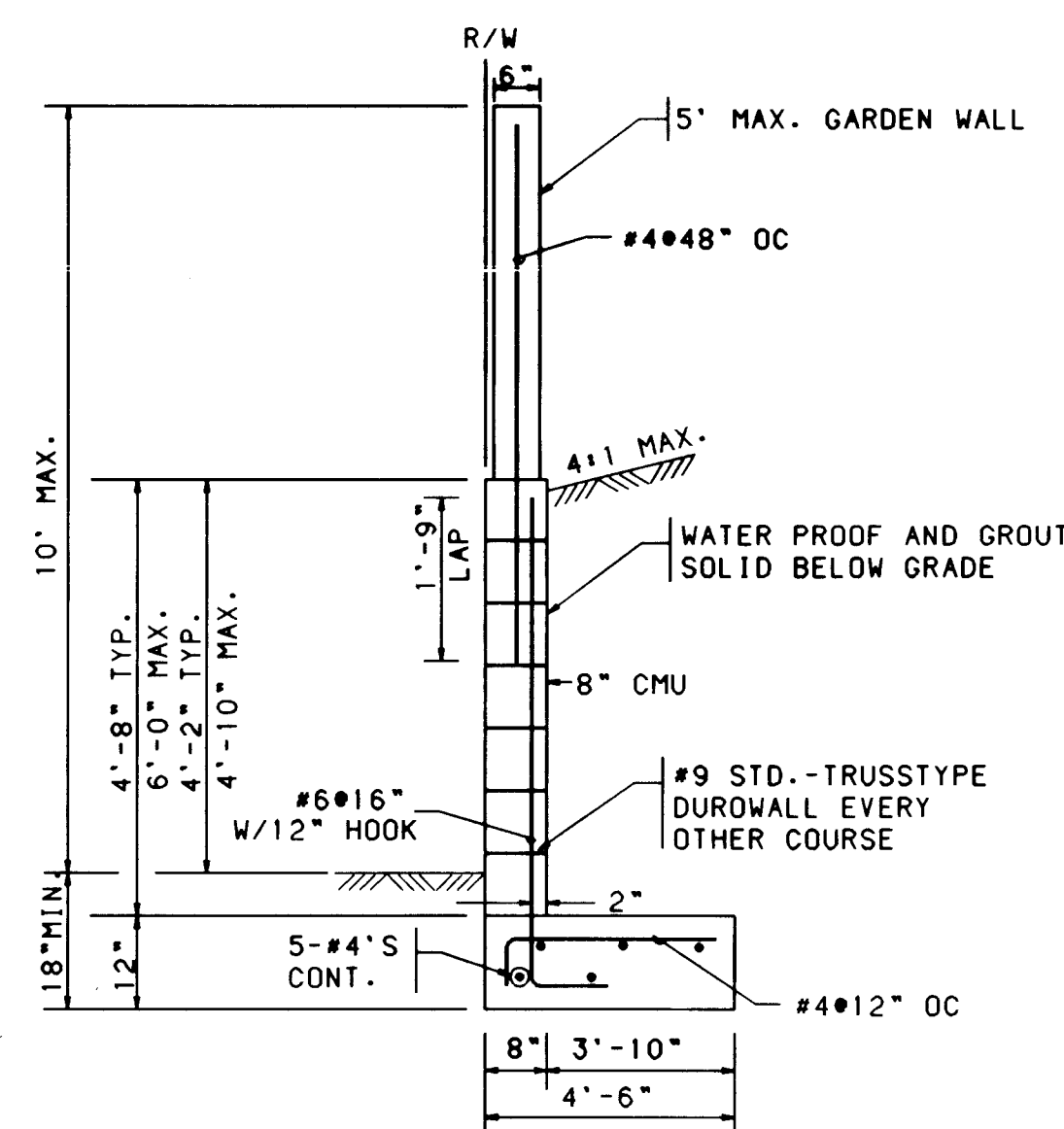
2 3-4' TERRACE/RETAINING WALL  
NO SCALE



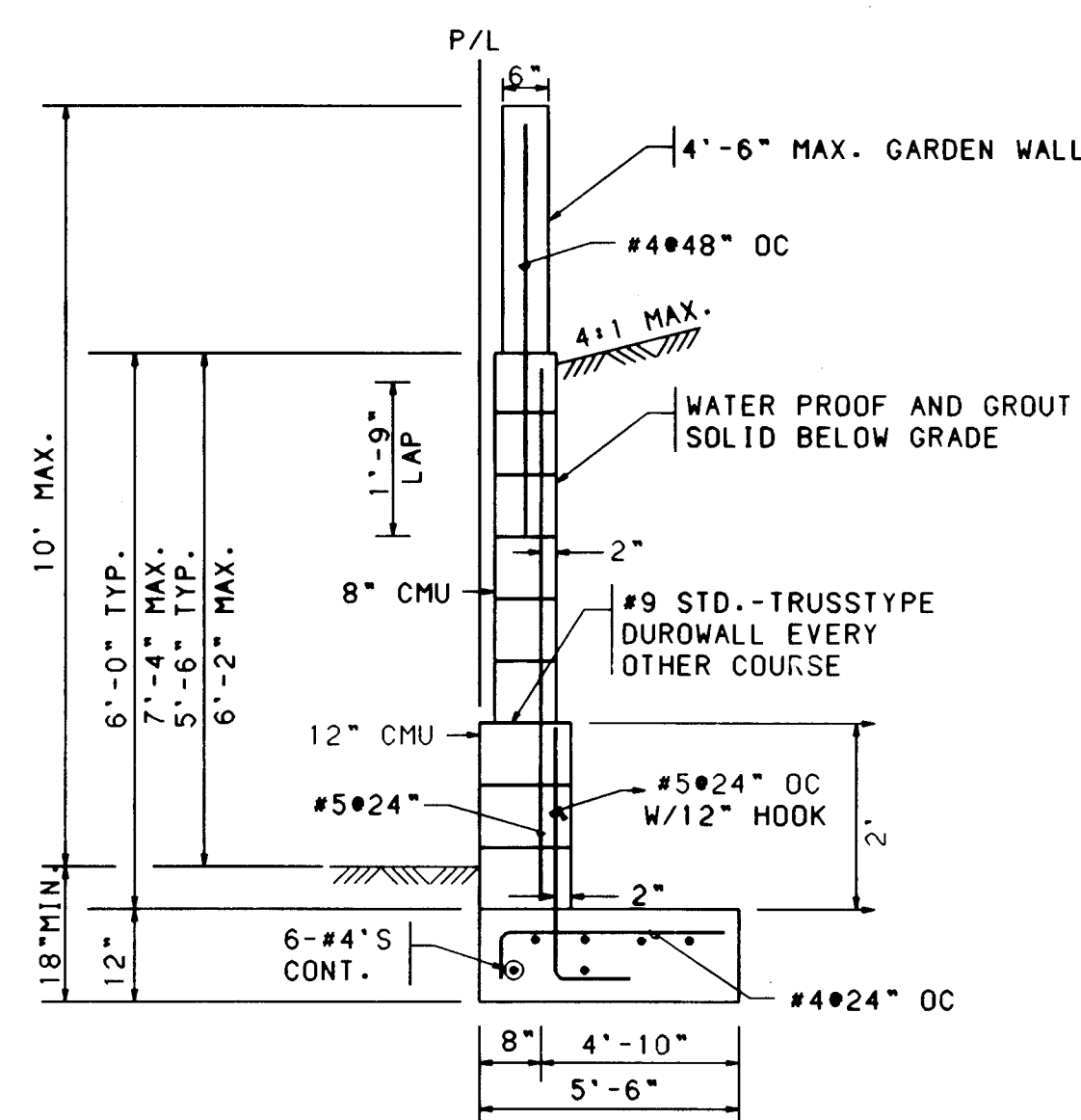
3 5' TERRACE/RETAINING WALL  
NO SCALE



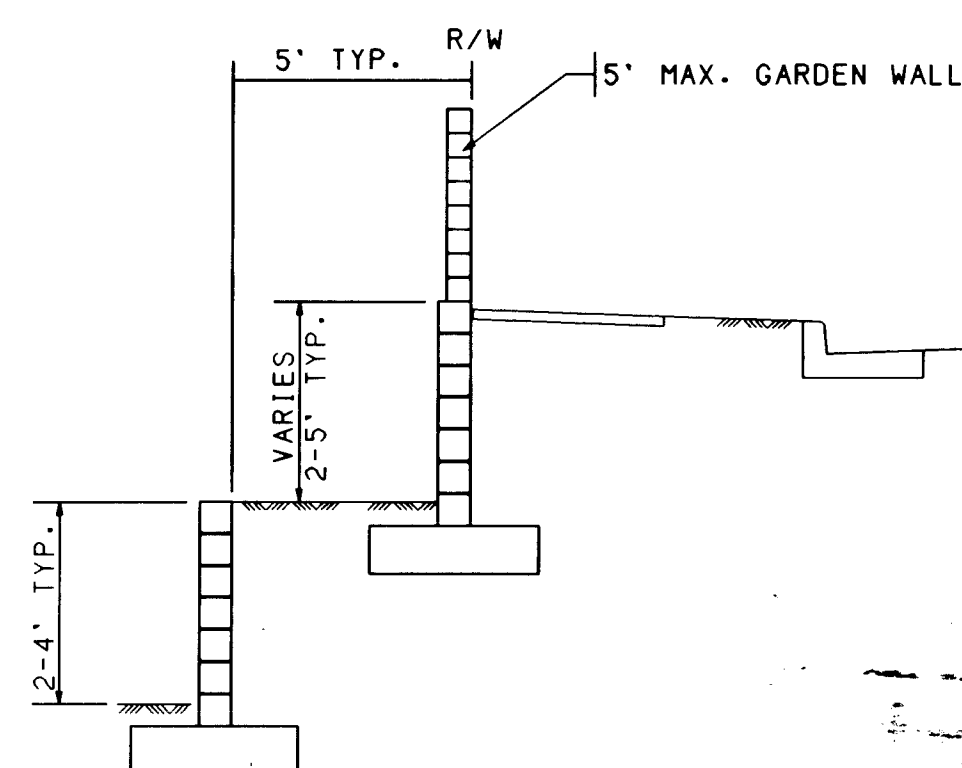
4 3-4' "L" RETAINING WALL  
NO SCALE



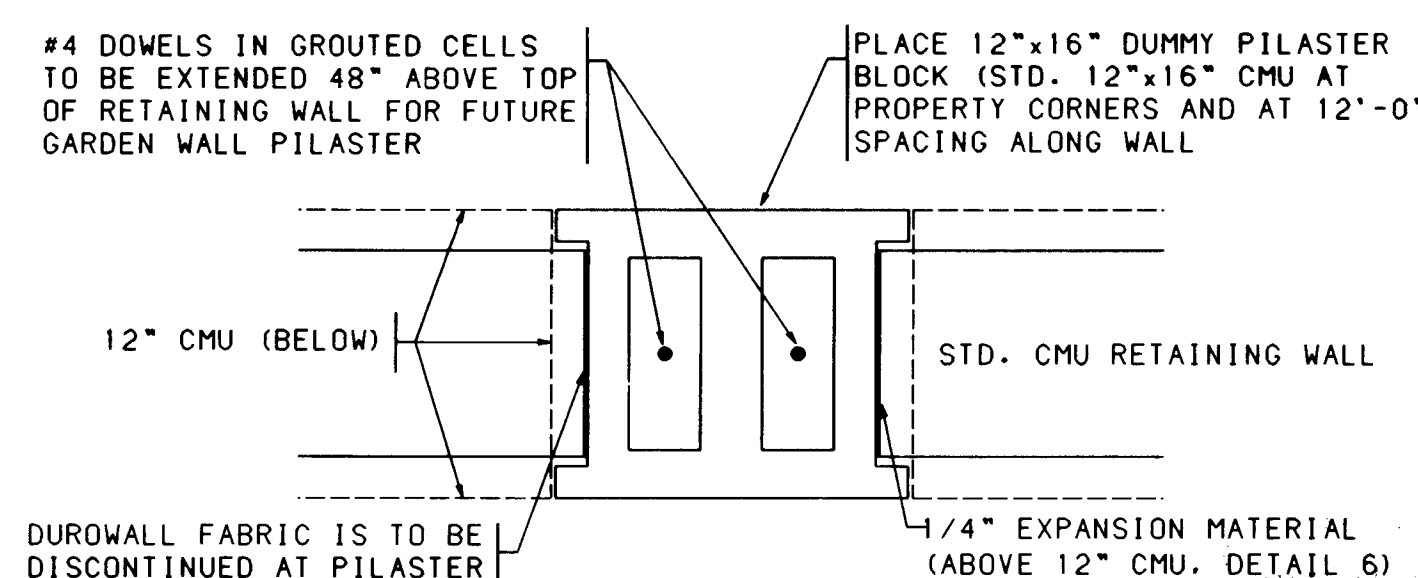
5 4-5' "L" RETAINING WALL  
NO SCALE



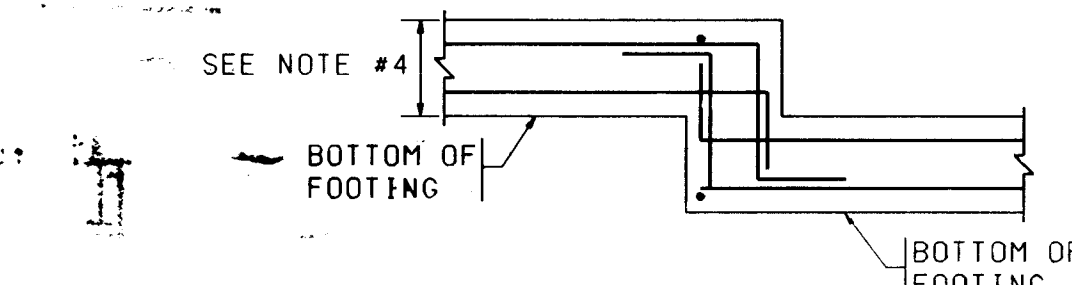
6 5-6' "L" RETAINING WALL  
NO SCALE



A TERRACE WALL CONDITIONS  
NO SCALE



TYPICAL PILASTER DETAIL  
NO SCALE



TYPICAL STEPPED FOOTING DETAIL  
BARS AS PER RETAINING WALL DETAILS  
NO SCALE

# GENERAL NOTES (RETAINING WALL CONST.)

- RETAINING WALL FOOTINGS SHOULD BE EMBEDDED A MINIMUM OF EIGHTEEN INCHES BELOW LOWEST ADJACENT GRADE PRIOR TO PLACING FOOTINGS. THE EXPOSED SOIL SHOULD BE SCARIFIED TO A DEPTH OF EIGHT (8") INCHES. MOISTURE CONDITIONED TO A NEAR OPTIMUM ( $\pm 3\%$ ) MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557.
- RETAINING WALL SHALL NOT BE BACK-FILLED UNTIL AT LEAST 7 DAYS AFTER PLACING OF FINAL GROUT LEVEL. WHERE HEAVY EQUIPMENT IS USED IN BACKFILLING, SUCH EQUIPMENT SHOULD NOT APPROACH CLOSER TO THE TOP OF THE WALL THAN A DISTANCE EQUAL TO THE HEIGHT OF THE WALL. CARE SHOULD BE TAKEN TO AVOID EXERTING IMPACT FORCES ON THE WALL AS COULD BE CAUSED BY A LARGE MASS OF MOVING EARTH.
- SLOPES UP AWAY FROM WALLS SHOULD NOT EXCEED 4:1.
- VERTICAL CONTROL JOINTS WITH PVC INSERTS SHALL BE PLACED AT INTERVALS NOT TO EXCEED 30'-0" ON CENTER. PILASTERS MAY BE SUBSTITUTED FOR CONTROL JOINTS WHEN PLACED AT 12'-0" INTERVALS. PILASTERS SHALL BE PLACED AT EVERY SIDE LOT LINE INTERSECTION. DISCONTINUE DUROWALL EACH SIDE OF PILASTERS.
- MINIMUM LAP SPLICE ON REINFORCING BARS SHALL BE 30 BAR DIAMETERS OR 1'-4" MINIMUM. REINFORCEMENT OF A SIZE AND SPACING OTHER THAN THAT GIVEN IN THE TABLES MAY BE USED PROVIDING SUCH OTHER REINFORCEMENT FURNISHES AN AREA OF STEEL AREA AT LEAST EQUAL TO THAT GIVEN IN THE TABLE.
- CONSTRUCTION OF RETAINING WALLS SHALL CONFORM TO REQUIREMENTS OF THE UNIFORM BUILDING CODE SECTION 24. LOWLIFT GROUTING METHOD.
- OMISSION OF A VERTICAL MORTAR JOINT ON FIRST COURSE AT 48" O.C. SHALL BE USED FOR WEEP HOLES. WHITE SLUMP BLOCK WITH MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI MAY BE SUBSTITUTED FOR STANDARD CMU GRADE N.
- DESIGN DATA  
BLOCK WEIGHT 12" = 130 PSF  
BLOCK WEIGHT 8" = 85 PSF  
SOIL WEIGHT = 110 PCF  
EQUIV. FLUID FRESSURE = 35 PCF  
SOIL BEARING PRESSURE = 1500 PCF  
(1/3 INCREASE FOR WIND/SEISMIC)  
COEFFICIENT OF FRICTION = 0.4  
PASSIVE SOIL PRESSURE = 300 PCF  
CONCRETE F'C (28 DAYS) = 3000 PSI  
GROUT STRENGTH = 2000 PSI  
CMU GRADE N = 1500 PSI (GROUTED)  
REINFORCEMENT = 60 ASTM A-615
- CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO CONCRETE FOOTING POUR FOR INSPECTION OF COMPACTION UNDER FOOTING. FOOTING DEPTH AND WIDTH AND WALL STEEL AND SPACING. FINAL INSPECTION OF FOOTING AND WALL WILL BE REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CODE ADMINISTRATION APPROVAL AND FEES ASSOCIATED WITH IT.
- ALL CELLS BELOW GRADE SHALL BE FULLY GROUTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO SEE THAT ALL REBAR IS PROPERLY ALIGNED AND TIED IN PLACE BEFORE PLACING CONCRETE. ALL STEEL SHALL BE ACCURATELY LOCATED AND SECURED IN PLACE SO THAT IT REMAIN IN POSITION DURING THE PLACEMENT OF THE CONCRETE. ANY REBAR IMPROPERLY INSTALLED SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER.
- CMU SHALL NOT BE PLACED ON CONCRETE FOOTINGS UNTIL CONCRETE HAS CURED FOR A MINIMUM OF 7 DAYS.

| AS BUILT INFORMATION                    |           | BENCH MARKS                                                                                                                                                                                                                                                                              |           | SURVEY INFORMATION |      | ENGINEER'S SEAL |      |
|-----------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------|------|-----------------|------|
| CONTRACTOR                              | DATE      | STATION MARK                                                                                                                                                                                                                                                                             | DATE      | NO.                | DATE | NO.             | DATE |
| SPARKLING CONST.                        | DATE 8/96 | STATION MARK IS A STANDARD USCSGS BRASS                                                                                                                                                                                                                                                  | DATE 8/96 |                    |      |                 |      |
| WORKED BY J.W.P. (B.H.)                 | DATE 8/96 | TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448. GO NORTH ON STATE RD. 448. 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. | DATE 8/96 |                    |      |                 |      |
| INSPECTOR'S ACCEPTANCE BY J.W.P. (B.H.) | DATE 8/96 |                                                                                                                                                                                                                                                                                          |           |                    |      |                 |      |
| VERIFICATION BY J.W.P. (B.H.)           | DATE 8/96 |                                                                                                                                                                                                                                                                                          |           |                    |      |                 |      |
| DRAWINGS CHECKED BY J.W.P. (B.H.)       | DATE 8/96 |                                                                                                                                                                                                                                                                                          |           |                    |      |                 |      |
| RECORDED BY                             | DATE      |                                                                                                                                                                                                                                                                                          |           |                    |      |                 |      |
| NO.                                     |           |                                                                                                                                                                                                                                                                                          |           |                    |      |                 |      |

| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP |             |         |             |          |          |
|---------------------------------------------------------------------|-------------|---------|-------------|----------|----------|
| RANCHO SERENO SUBDIVISION - UNIT IV<br>CMU RETAINING WALL DETAILS   |             |         |             |          |          |
| APPROVALS                                                           | ENGINEER    | DATE    | APPROVALS   | ENGINEER | DATE     |
| DRC CHAIRMAN                                                        | DATE 1-2-96 |         | WATER       |          |          |
| TRANSPORTATION                                                      | DATE 1-2-96 |         | WASTE WATER |          |          |
| HYDROLOGY                                                           | DATE 1-2-96 |         |             |          |          |
| DRAWING NO.                                                         | 4569.96     | MAP NO. | C-12        | SHEET    | 38 OF 38 |

26-4569.96 31896

RECORD DRAWING  
DATE:

BH1 JOB NO. 95207-01