

# LEGEND

## MATERIALS

CONCRETE  
RIP-RAP

## LINES

SUBDIVISION BOUNDARY  
PROPERTY LINE (PLAN)  
PROPERTY LINE (SECTION)  
CENTERLINE  
EASEMENT LINE  
MATCH LINE  
SECTION CUT LINE

## EARTHWORK

CONTOUR LINE  
SPOT ELEVATION  
PROJECT / PHASE BOUNDARY  
FLOWLINE  
DIRECTION OF FLOW

## MISCELLANEOUS UTILITIES

GAS LINE  
UNDERGROUND TELEPHONE  
UNDERGROUND ELECTRICAL  
STORM DRAIN  
STORM DRAIN MANHOLE  
STORM INLET

## SANITARY SEWER

SANITARY SEWER LINE  
SANITARY SEWER MANHOLE  
SAS SERVICE CONNECTIONS  
SAS CAP OR PLUG  
ENCASEMENT

## WATER

WATER LINE  
WATER SERVICE CONNECTIONS  
GATE VALVE  
FIRE HYDRANT  
BUTTERFLY VALVE  
REDUCER  
WATER PRESSURE ZONE BOUNDARY

## WATER FITTINGS

CAPS AND PLUGS  
ELBOW  
CROSS  
TEE

## MISCELLANEOUS

CHAINLINK FENCE  
FIELD FENCE  
COMMON YARD WALL  
RETAINING WALL  
POWER OR TELEPHONE POLE

# CONSTRUCTION PLANS

for

2 3 4 5 6 7 8 9 10 11 12 13 14 15  
26-5729-85-2011

# LOTS 1-17, LA CUEVA VILLAGE, UNIT 2

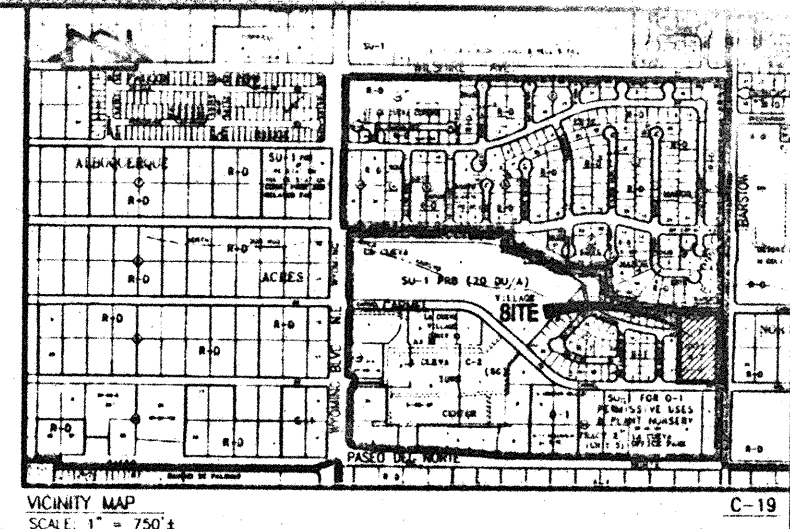
ALBUQUERQUE, NEW MEXICO

APRIL, 2001

SCANNED BY  
PLANNING

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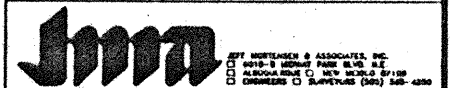


VICINITY MAP  
SCALE: 1" = 750'

## GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 1994 EDITION, EXCEPT FOR WORK WITHIN CITY OF ALBUQUERQUE PUBLIC RIGHT-OF-WAY WHICH IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS - PUBLIC WORKS CONSTRUCTION - 1988 - UPDATE NO. 6.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED REASONABLE INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION MAY NOT BE CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- THE CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS IS LOCATED. CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.
- ALL WORK WITHIN THE CITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARDS.
- IF THE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK, AND/OR PAVING IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. WHEN ABUTTING NEW PAVEMENT TO EXISTING, THE CONTRACTOR SHALL CUT BACK THE EXISTING PAVING TO A STRAIGHT LINE IN ORDER TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. CURB AND GUTTER AND/OR PAVEMENT SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT AND WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL (CONTAMINATED OR OTHERWISE), ASPHALTIC PAVING, CONCRETE PAVING, ETC. SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND IN HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY OBTAINING THE REQUIRED COMPACTON. THE CONTRACTOR SHALL SELECT AND USE METHODS WHICH SHALL NOT BE INJURIOUS OR DAMAGING TO THE EXISTING FACILITIES AND STRUCTURES WHICH SURROUND THE WORK AREAS.
- THE CONTRACTOR SHALL CONFINED HIS WORK WITHIN THE CONSTRUCTION LIMITS IN ORDER TO PRESERVE THE EXISTING IMPROVEMENTS AND SO AS NOT TO INTERFERE WITH THE OPERATIONS OF THE EXISTING FACILITIES.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATIONS.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE C.O.A. STANDARD SPECIFICATION FOR TRAFFIC CONTROL.
- ALL STREET SIGNING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED STRIPING BY CONTRACTOR TO EXISTING LOCATION OR AS INDICATED BY THIS PLAN SET.
- CAUTION - THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

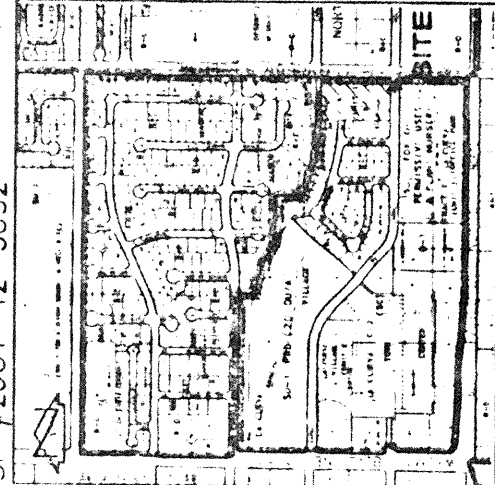
2000.093.1



|                             |        |                  |      |             |            |         |                           |            |      |
|-----------------------------|--------|------------------|------|-------------|------------|---------|---------------------------|------------|------|
| REV.                        | SHEETS | CITY ENGINEER    | DATE | USER        | DEPARTMENT | DATE    | USER                      | DEPARTMENT | DATE |
| ENGINEERS STAMP & SIGNATURE |        | APPROVALS        |      | ENGINEER    |            | DATE    | *****                     |            |      |
|                             |        | DRG Chairman     |      | [Signature] |            | 5/17/01 | APPROVED FOR CONSTRUCTION |            |      |
|                             |        | Transportation   |      | [Signature] |            | 5/17/01 |                           |            |      |
|                             |        | Water/Wastewater |      | [Signature] |            | 5/17/01 |                           |            |      |
|                             |        | Hydrology        |      | [Signature] |            | 5/17/01 |                           |            |      |
|                             |        | C.I.P.           |      | [Signature] |            | 5/17/01 |                           |            |      |
| Const. Mngmt.               |        | [Signature]      |      | [Signature] |            | 5/17/01 | City Engineer Date        |            |      |
| Const. Coord.               |        | [Signature]      |      | [Signature] |            | 5/17/01 | City Project No. 572985   |            |      |
|                             |        |                  |      |             |            |         | SHEET 1 OF 12             |            |      |

DRB. No. 1001160

05-02-2001



VICINITY MAP C-19

## DEDICATION AND FREE CONSENT

The subdivision hereon is with the free consent and in accordance with the desires of the undersigned owner and does hereby dedicate to the City of Albuquerque in fee simple with warranty covenants the public street rights-of-way and the right to trim interfering trees.

Donald G. Moen, President,  
Hacienda Real Estate Corporation

ACKNOWLEDGMENT

STATE OF NEW MEXICO

COUNTY OF BERNALILLO

This instrument was acknowledged before me on this 26th day of

March, 2001, by Donald G. Moen, President,

Hacienda Real Estate Corporation

Notary Public

CHARLES C. COLO, JR.  
REGISTERED PROFESSIONAL SURVEYOR  
No. 11184  
NEW MEXICO  
My Commission Expires 03-27-01

3/26/01  
Date

Charles C. Colo, Jr.  
Notary Public

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

1. The P.N.M. Electric Services for the installation, maintenance, and service of overhead and underground electrical lines, transformers, poles and other equipment, fixtures, structures and related facilities reasonably necessary to provide electrical service.
2. The P.N.M. Gas Services for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.
3. Qwest Corporation 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 cabling.
4. Comcast Cable Vision of New Mexico, Inc. for the installation, maintenance, and service of such lines, cables, and other related equipment and facilities reasonably necessary to provide Cable TV service.

Included is the right to build, rebuild, reconstruct, reconstruct, locate, relocate, change, remove, modify, renew, operate, and maintain facilities for the purposes described above, together with the right to use and occupy the same, including sufficient working area space for electric transformers and other equipment which interfere with the purposes set forth herein. No building, sign, pool (aboveground or subsurface), hot tub, concrete or wood deck, or other structure shall be erected or constructed on, or adjacent to, the easement area without the prior written consent of the National Electrical Contractors Association, Inc. or the International Brotherhood of Electrical Workers, Local 1000, or any other organization representing the electrical or construction industry, or any structures adjacent to within or near easements shown on this plat.

SCANNED BY  
PLANNING  
LA CUEVA VILLAGE, UNIT 2ALBUQUERQUE, NEW MEXICO  
MARCH, 2001

## DESCRIPTION

Tract B, La Cueva Village Unit 2, Albuquerque New Mexico, as the same is shown and designated on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico, on September 18, 1990, Book 97C, Page 287, and containing 3.0887 acres, more or less.

DRI PROJECT #

APPROVALS

PLANNING DIRECTOR, CITY OF ALBUQUERQUE, NEW MEXICO

DATE

CITY ENGINEER, CITY OF ALBUQUERQUE, NEW MEXICO

DATE

CITY ENGINEER, CITY OF ALBUQUERQUE, NEW MEXICO

DATE

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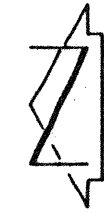
DATE

CITY ENGINEER, CITY OF ALBUQUERQUE, NEW MEXICO

DATE

CITY ENGINEER, CITY OF ALBUQUERQUE, NEW MEXICO

SP #2001-12-3092

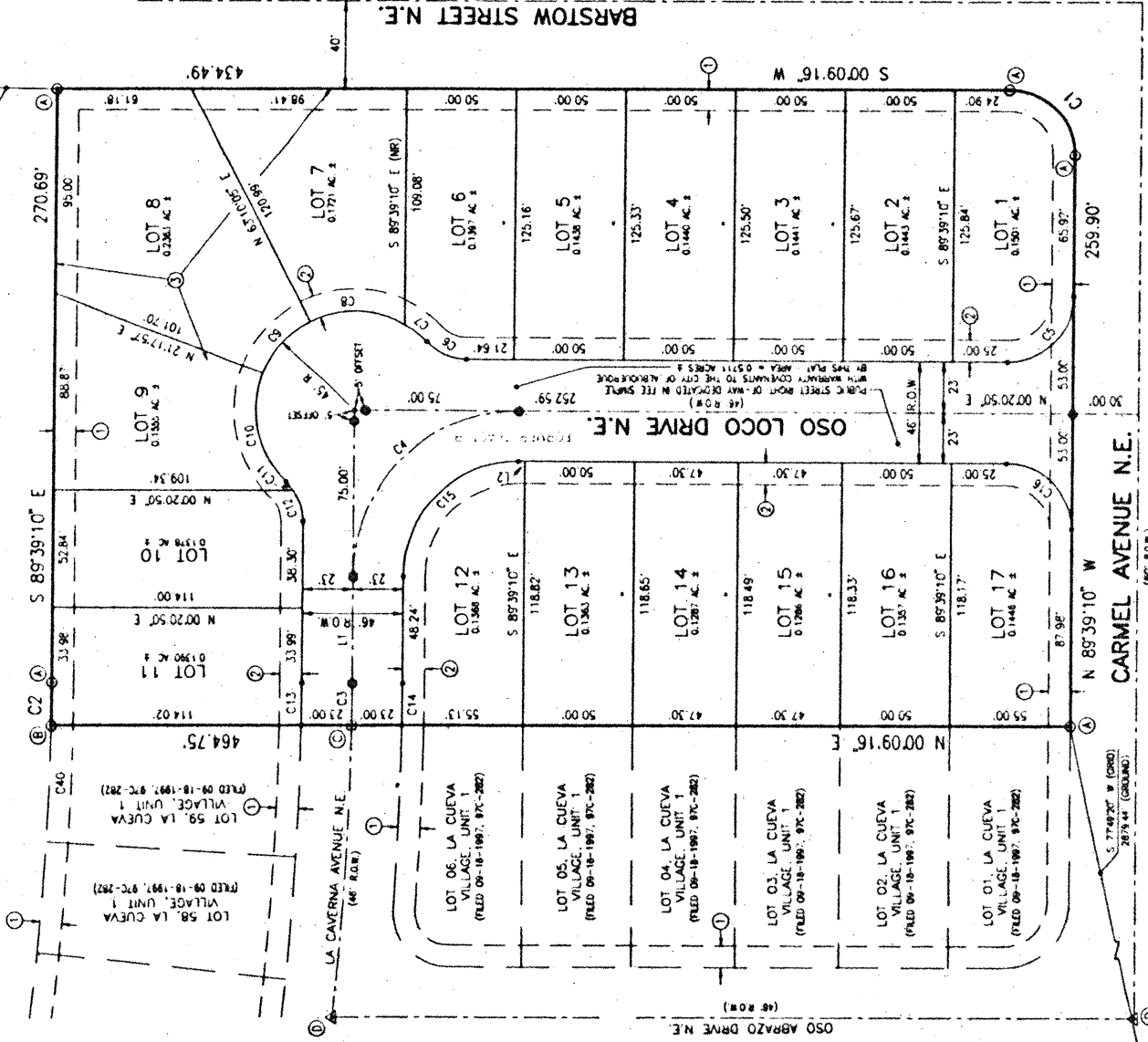


SCALE: 1" = 40'

NOTE: FOR KEYED NOTES SEE SHEET 1 OF 2

SUBDIVISION PLAT OF  
LA CUEVA VILLAGE, UNIT 2ALBUQUERQUE, NEW MEXICO  
MARCH, 2001

NEW MEXICO CENTRAL ZONE - NAD 1927  
ACCL. STA. 11184-820  
ELEVATION: 5274.533  
COMBINED FACTOR: 0.9998470  
ELEVATION: 5274.533

A.M.A.F.C.A. CHANNEL  
(6.0' WIDE)

## Notes:

1. A boundary survey was performed in September, 2000. Property corners were found or set as indicated.
2. All distances are ground distances.
3. Site located within projected Section 18, Township 11 North, Range 4 East, N.M.P.M. (Llano Collegios Grant).
4. Bearings are New Mexico State Plane Grid Bearings, Central Zone.
5. The purpose of this plat is to:
  - a. Create 17 (seventeen) residential lots from Tract B, La Cueva Village, Unit 1.
  - b. Dedicate in fee simple with warranty covenants the necessary public street rights-of-way and grant the necessary easements as shown.
  - c. Vacate the A.M.A.F.C.A. drainage easement as shown.
6. Public street mileage created by this plat = 0.08 miles (full-width).
7. Upon completion of the construction of the streets, City of Albuquerque approve centerline monuments shall be placed at all intersections, as otherwise indicated in lieu of subdivision block corner monumentation. Location of said monuments are designated with a "C" symbol.
8. Prior to development, City of Albuquerque Water and Sanitary Sewer Service to Lots 1-17, La Cueva Village, Unit 2 must be verified and approved by the City of Albuquerque, Department of Public Works, and a request for a water and sanitary sewer availability statement.
9. The following documents and instruments were used for the performance and preparation of this plat:
  - a. Plat of La Cueva Village, Unit 1, filed September 18, 1997, Book 97C, Page 287, Records of Bernalillo County, New Mexico.
  - b. Boundary Survey Tract B, La Cueva Village, Unit 1 prepared by Jeff Montensen and Associates, Inc. dated November 03, 2000 (unrecorded).
10. Final confirmation and release of the A.M.A.F.C.A. drainage easement will be completed upon issuance of a Letter of Map Amendment (LOMA) by the Federal Emergency Management Agency (FEMA) and upon issuance of a Quitclaim Deed from A.M.A.F.C.A. to the underlying property owner.

## BOUNDARY TABLES

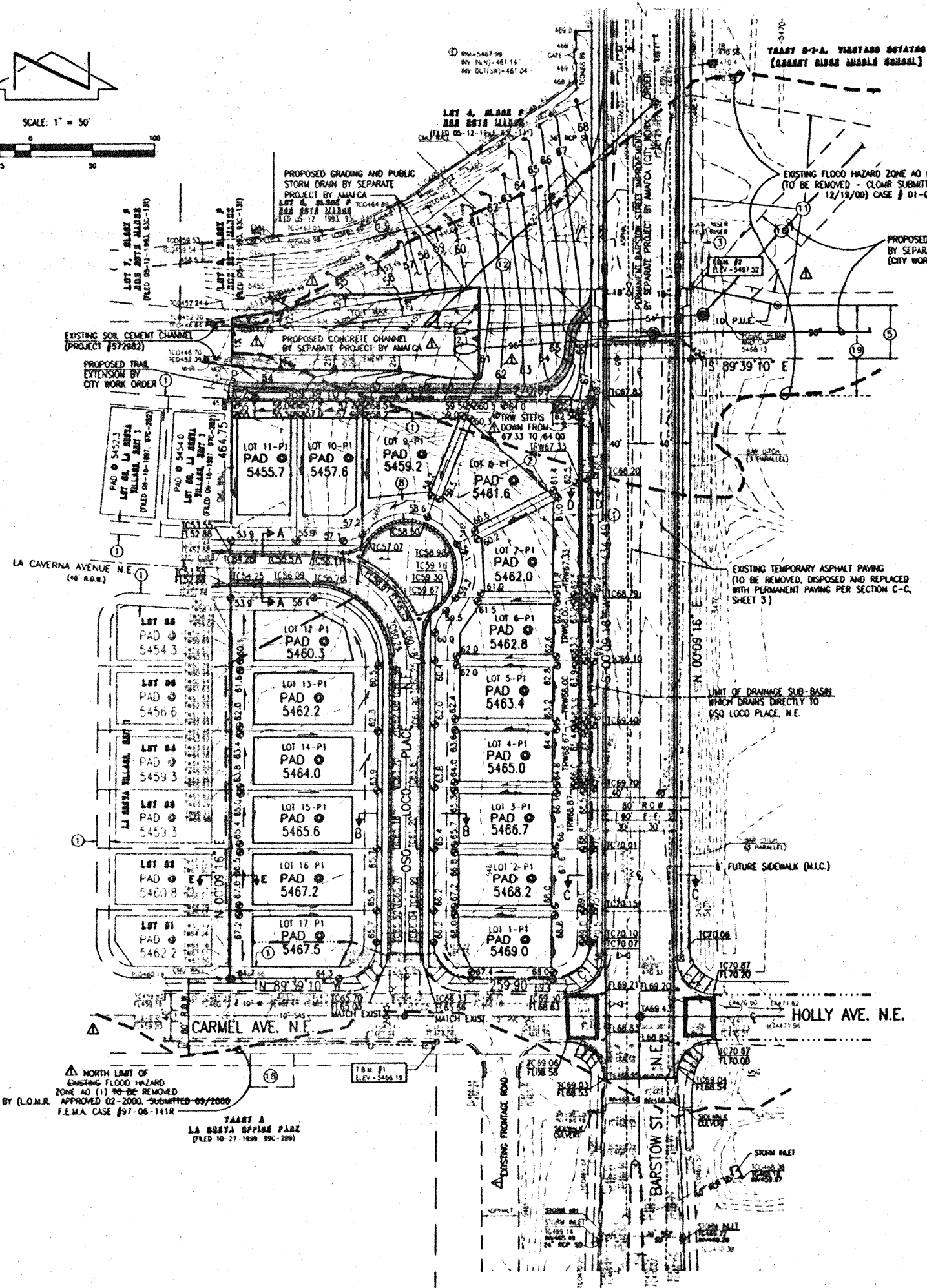
| LINE | DIRECTION       | DISTANCE |
|------|-----------------|----------|
| 1    | S. 89°39'10" E. | 48.24'   |
| 2    | S. 00°20'50" W. | 3.00'    |

| CURVE | RADIUS  | LENGTH | CHORD  | BEARING         | DELTA     |
|-------|---------|--------|--------|-----------------|-----------|
| C1    | 30.00'  | 47.27' | 42.50' | S. 45°15'00" W. | 90°11'32" |
| C2    | 125.00' | 18.81' | 18.81' | S. 89°17'22" E. | 00°55'38" |
| C3    | 125.00' | 18.81' | 18.81' | S. 89°17'22" E. | 00°55'38" |
| C4    | 30.00'  | 47.27' | 42.50' | S. 45°15'00" W. | 90°11'32" |
| C5    | 30.00'  | 47.27' | 42.50' | S. 45°15'00" W. | 90°11'32" |
| C6    | 30.00'  | 47.27' | 42.50' | S. 45°15'00" W. | 90°11'32" |
| C7    | 45.00'  | 13.01' | 12.97' | N. 38°46'12" E. | 16°34'14" |
| C8    | 45.00'  | 13.01' | 12.97' | N. 38°46'12" E. | 16°34'14" |
| C9    | 45.00'  | 13.01' | 12.97' | N. 38°46'12" E. | 16°34'14" |
| C10   | 45.00'  | 13.01' | 12.97' | N. 38°46'12" E. | 16°34'14" |
| C11   | 25.00'  | 15.57' | 15.27' | S. 72°33'58" W. | 30°33'46" |
| C12   | 25.00'  | 15.57' | 15.27' | S. 72°33'58" W. | 30°33'46" |
| C13   | 135.00' | 18.93' | 18.93' | S. 89°15'00" W. | 00°48'07" |
| C14   | 135.00' | 18.93' | 18.93' | S. 89°15'00" W. | 00°48'07" |
| C15   | 52.00'  | 81.68' | 73.54' | S. 44°39'10" E. | 90°00'00" |
| C16   | 30.00'  | 47.12' | 42.43' | S. 45°20'50" W. | 90°00'00" |



JEFF MONTENSEN & ASSOCIATES, INC.  
6010-S MIDWAY PARK BLVD. N.E.  
ALBUQUERQUE, NEW MEXICO 87109  
ENGINEERS & SURVEYORS (CNS) 345-4-  
JOB #2000-0832 PLAT

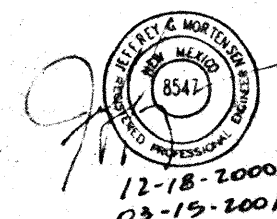
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7. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
8. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
9. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION. AN EXCAVATION PERMIT IS REQUIRED FOR ALL WORK WITHIN PUBLIC RIGHT-OF-WAY.
10. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL (CONTAMINATED OR OTHERWISE), ASPHALTIC PAVING, CONCRETE PAVING, ETC. SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND IN HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.
11. A BORROW SITE FOR IMPORT MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A BORROW SITE AND IN HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.
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13. THE CONTRACTOR SHALL CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS IN ORDER TO PRESERVE THE EXISTING IMPROVEMENTS AND SO AS NOT TO INTERFERE WITH THE OPERATIONS OF THE EXISTING FACILITIES.
14. ALL DIMENSIONS AND RADII OF CURB, CURB RETURNS, AND WALLS ARE SHOWN TO THE FACE OF CURB AND/OR WALL.
15. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
16. ALL FILL SHALL BE FREE FROM VEGETATION, DEBRIS, AND OTHER DELETERIOUS MATERIALS.
17. ALL FILL SHALL BE COMPACTED TO A MINIMUM OF 90% ASTM D-1557 UNLESS A GREATER COMPACTION REQUIREMENT IS OTHERWISE SPECIFIED. ALL FILL WITHIN EXISTING FLOODPLAIN LIMITS SHALL BE COMPACTED TO A MINIMUM OF 95% ASTM D-1557. ALL EARTHWORK FOR BUILDING PADS SHALL BE PERFORMED IN ACCORDANCE WITH THE STRUCTURAL AND GEOTECHNICAL SPECIFICATIONS.
18. ALL EXISTING UTILITIES ENCOUNTERED WITHIN THE WORK LIMITS SHALL BE ADJUSTED TO GRADE AND SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
19. THE PAD ELEVATIONS SHOWN HEREON ARE FOR ROUGH GRADING PURPOSES.
20. FINISHED FLOOR ELEVATIONS MAY VARY FROM THE PAD ELEVATIONS AND WILL BE DETERMINED AS A FUNCTION OF INDIVIDUAL HOUSE DESIGN. FINISHED FLOOR ELEVATIONS SHOULD BE ESTABLISHED AT A MINIMUM OF SIX INCHES ABOVE PAD ELEVATIONS. DEVIATIONS FROM THESE GUIDELINES MUST BE BASED ON THE RECOMMENDATIONS AND/OR DESIGN OF A COMPETENT DESIGN PROFESSIONAL.
21. CROSS-LOT DRAINAGE WILL NOT BE PERMITTED.
22. RETAINING WALLS SHALL BE CONSTRUCTED BY THE DEVELOPER PRIOR TO ENGINEER'S CERTIFICATION FOR FINANCIAL GUARANTY RELEASE.
23. YARD (GARDEN) WALLS SHALL BE CONSTRUCTED BY THE LOT OWNER OR ITS BUILDER.
24. THE FINISHED GRADING OF EACH LOT SHALL BE ACCOMPLISHED BY THE LOT OWNER OR ITS BUILDER. ALL DEVELOPED RUNOFF SHALL BE DIRECTED TO THE STREETS.
25. MAXIMUM UNPROTECTED SLOPES SHALL BE 3:1. MINIMUM SLOPES SHALL BE 1%.
26. ROUGH GRADING TOLERANCES SHALL BE ±0.1 FEET FOR HOUSE PADS AND ±0.33 FEET FOR ALL OTHER GRADING.



- ① 10' PUBLIC UTILITY EASEMENT GRANTED BY PLAT 97C-282
- ② A.M.A.F.C.A. DRAINAGE EASEMENT GRANTED BY PLAT 97C-282, (TO BE VACATED)
- ③ 10' PUBLIC UTILITY EASEMENT GRANTED BY PLAT 98C-491
- ④ PORTION OF 10' PUBLIC UTILITY EASEMENT GRANTED BY PLAT 98C-491. (TO BE VACATED)
- ⑤ 44' PUBLIC STORM DRAINAGE RIGHT-OF-WAY TO BE DEDICATED BY SEPARATE PLATTING ACTION
- ⑥ PROPOSED 10' PUBLIC UTILITY EASEMENT
- ⑦ 100-YEAR FLOOD PLAIN DEDICATION PER PLAT C38-184, (TO BE VACATED)
- ⑧ FLOOD PLAIN EASEMENT GRANTED BY DOCUMENT FILED 12-11-1989, BOOK M0817A, PAGE 285, DOC. #00914918
- ⑨ A.M.A.F.C.A. DRAINAGE EASEMENT GRANTED BY PLAT 93C-131
- ⑩ PUBLIC STORM DRAINAGE EASEMENT TO BE GRANTED BY SEPARATE PLATTING ACTION
- ⑪ 35"x28" PUBLIC WATER METER EASEMENT GRANTED BY PLAT 99C-299
- ⑫ 60' RIGHT-OF-WAY OF CARMEL AVENUE N.E. (TO BE VACATED)

| CURVE | RADIUS   | LENGTH | CHORD BEARING | CHORD  | DELTA     |
|-------|----------|--------|---------------|--------|-----------|
| C1    | 30.00'   | 47.22' | N 45°15'03" E | 42.50' | 90°11'34" |
| C2    | 1238.00' | 19.31' | S 89°12'22" E | 19.31' | 00°53'30" |

THIS IS NOT A BOUNDARY SURVEY. APPARENT  
PROPERTY CORNERS SHOWN FOR INFORMATIONAL  
PURPOSES ONLY. TOPOGRAPHIC INFORMATION  
SHOWN HEREON IS FROM A TOPOGRAPHIC SURVEY  
PERFORMED BY JEFF WORTENSEN AND ASSOC  
DATED 11/03/2000.

[illegible]

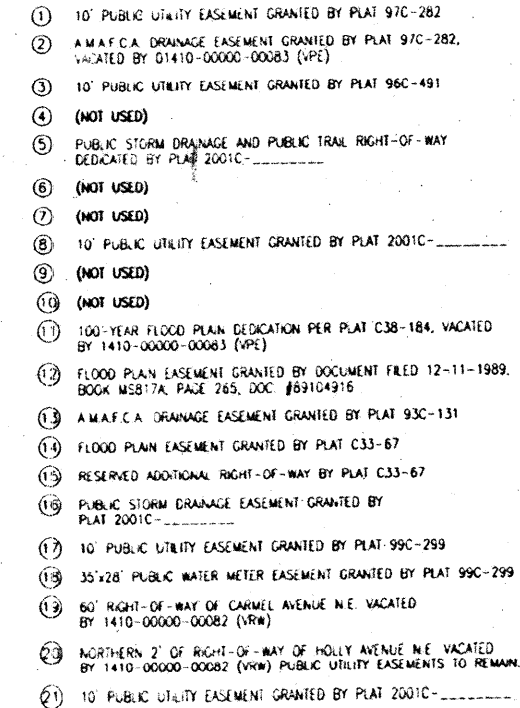
GRADING PLAN AND GENERAL NOTES,  
GRADING AND DRAINAGE REPORT  
LOTS 1-17, LA CUEVA VILLAGE, UNIT 2

|             |        |   |       |      |                                                              |
|-------------|--------|---|-------|------|--------------------------------------------------------------|
| DESIGNED BY | G.M.   | Δ | 03/01 | G.M. | REVISE OFFSITE IMPROVEMENTS BY A.M.A.F.C.A. TO MATCH CURRENT |
| DRAWN BY    | A.T.R. |   |       |      | PLANS. REVISE REAR YARD GRADES LOTS 4, 5, 7, 8 AND 9, AND    |
| APPROVED BY | J.G.M. |   |       |      | RETAINING WALL LIMITS ON LOT 8, ADD SECTION E-E, REMOVE      |
|             |        |   |       |      | FLOODPLAIN REMOVED BY LOW R                                  |

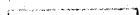
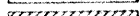
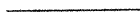
2000.093.1  
DATE 12-2000  
SHEET 3 OF 12

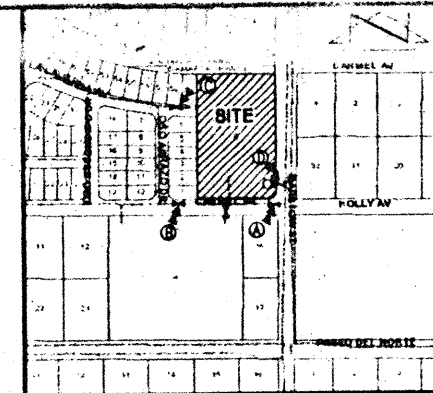


JEFF HERTENSEN & ASSOCIATES INC.  
☐ 6000 8 MIDWAY PARK BLVD NE  
☐ ALBUQUERQUE NM 87109  
☐ (505) 261-1000 FAX (505) 261-1000  
☐ FAX (505) 261-1000 E-mail: jhertensen@jeffhertensen.com



### LEGEND

|                                                                                       |                                                |
|---------------------------------------------------------------------------------------|------------------------------------------------|
|  | NEW PERMANENT PAVEMENT                         |
|  | NEW CONCRETE BY THIS CITY WORK ORDER           |
|  | NEW TEMPORARY PAVEMENT                         |
|  | NEW STREET LIGHT (N.I.C.)                      |
|  | EXISTING IMPROVEMENT                           |
|  | NEW WATERLINE                                  |
|  | NEW SANITARY SEWER LINE                        |
|  | NEW STORM DRAIN                                |
|  | FUTURE CONSTRUCTION (NOT PART OF THIS PROJECT) |
|  | EXISTING BUTTERFLY VALVE                       |
|  | EXISTING GATE VALVE                            |
|  | NEW GATE VALVE                                 |
|  | EXISTING SAS MANHOLE                           |
|  | NEW SAS MANHOLE                                |
|  | EXISTING SD MANHOLE                            |
|  | NEW SD MANHOLE                                 |
|  | NEW DOUBLE 3/4" WATER SERVICE                  |
|  | NEW SINGLE 3/4" WATER SERVICE                  |
|  | NEW 4" SAS SERVICE                             |
|  | EXISTING FIRE HYDRANT                          |
|  | NEW FIRE HYDRANT                               |
|  | DIRECTION OF FLOW                              |
|  | NEW MOUNTABLE CURB AND GUTTER (ROLL TYPE)      |
|  | PRESSURE ZONE BOUNDARY                         |
|  | NEW CURB WALL (NOT PART OF WORK ORDER)         |
|  | NEW RETAINING WALL (NOT PART OF WORK ORDER)    |



WATER FACILITIES MAP

FROM CITY OF ALBUQUERQUE AGIS WEB SITE

WATER VALVE SHUTOFF PLAN:

1. AS A MINIMUM, THE FOLLOWING VALVES SHALL BE CLOSED TO FACILITATE THE PROPOSED CONNECTIONS:
  - LA CAVERNA AVE:  
AN EXISTING 6" GATE VALVE (VALVE 'C')
  - CARMEL AVE:  
TWO EXISTING 10" GATE VALVES (VALVES 'A' AND 'B')
  - BARSTOWN STREET:  
AN EXISTING 6" GATE VALVE (VALVE 'D')
2. THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS (857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY REQUIRE EXISTING WATER LINES. THE WATER SYSTEMS DIVISION PERSONNEL SHALL PERFORM ALL SHUTOFFS.
3. THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT ALL NECESSARY SHUTOFFS AND CONNECTIONS.
4. EXISTING WATER VALVE AND WATER LINE INFORMATION OBTAINED FROM CITY OF ALBUQUERQUE AGCS WEB SITE
5. AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT WATER SYSTEM DIVISION NOTIFY ALL ADJACENT PROPERTY OWNERS AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE OF THE RESPECTIVE SHUTOFFS.
6. ALL VALVES REFERENCED ABOVE ALSO SHOWN ON SITE PLAN AT LEFT AT A LARGER SCALE FOR CLARITY.

**NOTES:**

1. REFER TO SHEET 5 FOR PAVING SECTIONS AND DETAILS.
2. REFER TO SHEET 2 FOR SUBDIVISION PLAT
3. REFER TO SHEET 3 FOR GRADING PLAN.
4. 4' SIDEWALK ON NORTH SIDE OF CARNIEL AND 6' SIDEWALK ON WEST SIDE OF BARNSTON TO BE CONSTRUCTED BY WORK ORDER AS PART OF THIS PROJECT.
5. 4' SIDEWALKS ON OSO LOCO DRIVE AND LA CAVERNA AVE TO BE CONSTRUCTED BY SEPARATE PERMIT (SIDEWALK DEFERRAL).
6. ALL HYDROGEN SHALL BE SECURELY WRAPPED IN BLACK PLASTIC UNTIL THE TIME THE NEW WATER LINE IS PUT INTO SERVICE BY WATER SYSTEMS PERSONNEL.

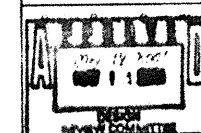
| ENGINEER'S SEAL                    |  |  |  |  |  | SURVEY INFORMATION                                                                                 |     |          |  | BENCH MARKS |  |  |  | AS BUILT INFORMATION |  |  |  |
|------------------------------------|--|--|--|--|--|----------------------------------------------------------------------------------------------------|-----|----------|--|-------------|--|--|--|----------------------|--|--|--|
|                                    |  |  |  |  |  | FIELD NOTES                                                                                        |     |          |  |             |  |  |  |                      |  |  |  |
|                                    |  |  |  |  |  | NO.                                                                                                | BY  | DATE     |  |             |  |  |  |                      |  |  |  |
|                                    |  |  |  |  |  | 07-2                                                                                               | JMA | 11/02/00 |  |             |  |  |  |                      |  |  |  |
| REMARKS<br>Revisions<br><br>DESIGN |  |  |  |  |  | AN ALUMINUM CAP LOCATED AT THE SW CORNER OF WENTURA ST NE AND SIGNAL AVENUE NE AND STAMPED "3-C20" |     |          |  |             |  |  |  |                      |  |  |  |
|                                    |  |  |  |  |  | (NOTE ELEVATION NOT PUBLISHED DATA FROM CITY SURVEY DEPARTMENT)                                    |     |          |  |             |  |  |  |                      |  |  |  |
|                                    |  |  |  |  |  | ELEVATION = 5569.89 FEET (M.S.L.D.)                                                                |     |          |  |             |  |  |  |                      |  |  |  |
|                                    |  |  |  |  |  | MICRO-FILM INFORMATION                                                                             |     |          |  |             |  |  |  |                      |  |  |  |
|                                    |  |  |  |  |  | RE CORRECTED BY NO. DATE                                                                           |     |          |  |             |  |  |  |                      |  |  |  |

**JMA** JEFF MORTENSEN & ASSOCIATES, INC.  
☐ 6600-B MIDWAY PARK BLVD NE  
☐ ALBUQUERQUE ☐ NEW MEXICO 87109  
☐ ENGINEERS ☐ SURVEYORS (SIC) 340-4250  
☐ FAX 505-265-4254 ☐ Email: JMA@JMA.CO

2000.093.1

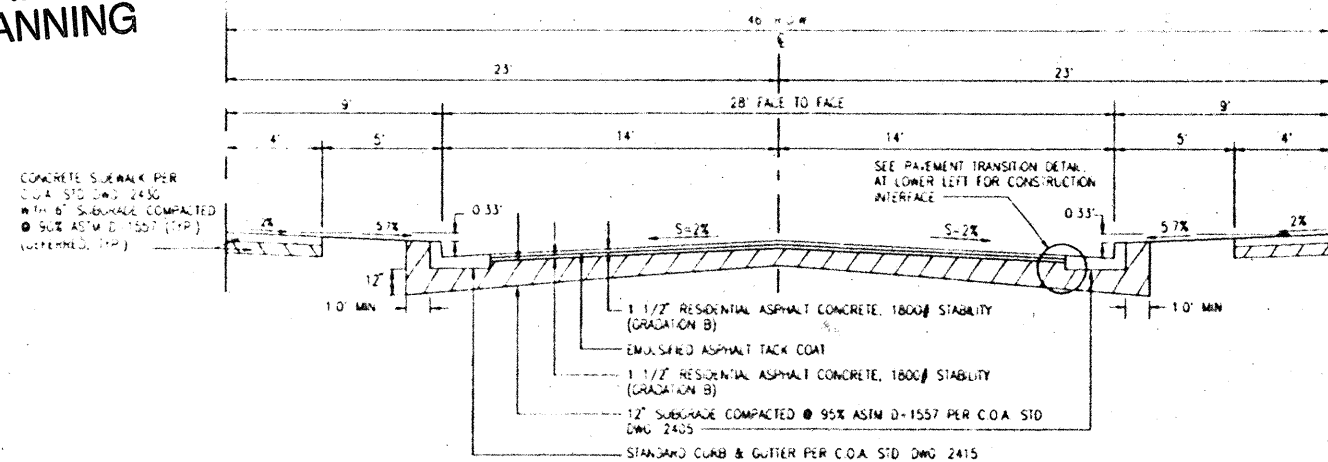
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: COMPOSITE SITE PLAN, WATER VALVE SHUTOFF PLAN  
LOTS 1-17, LA CUEVA VILLAGE, UNIT 2

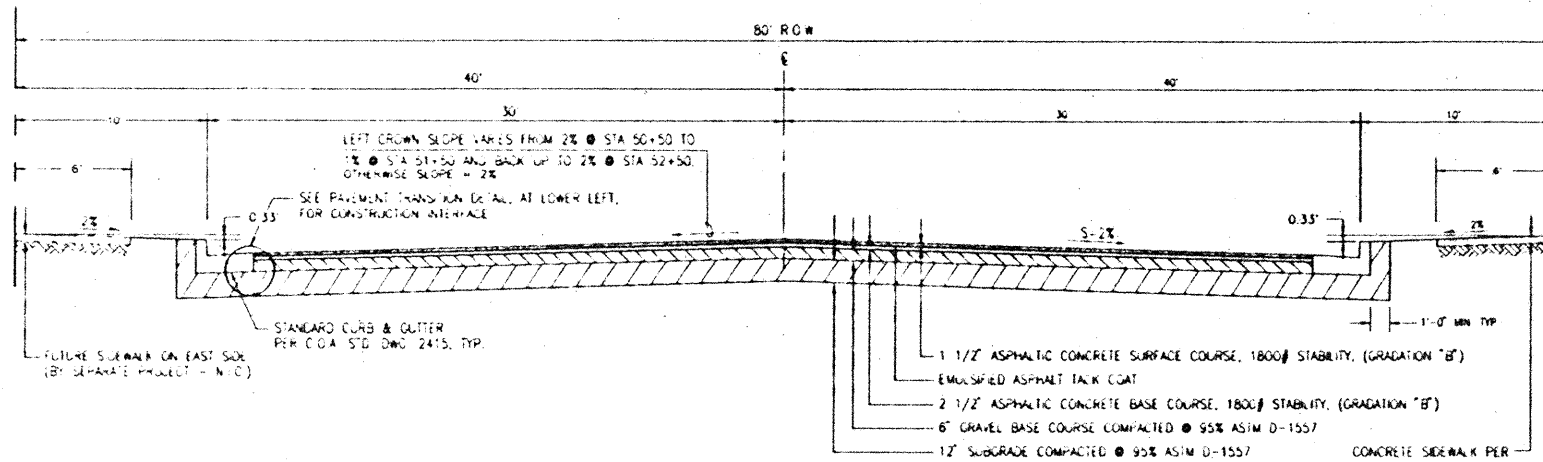


CITY ENGINEER

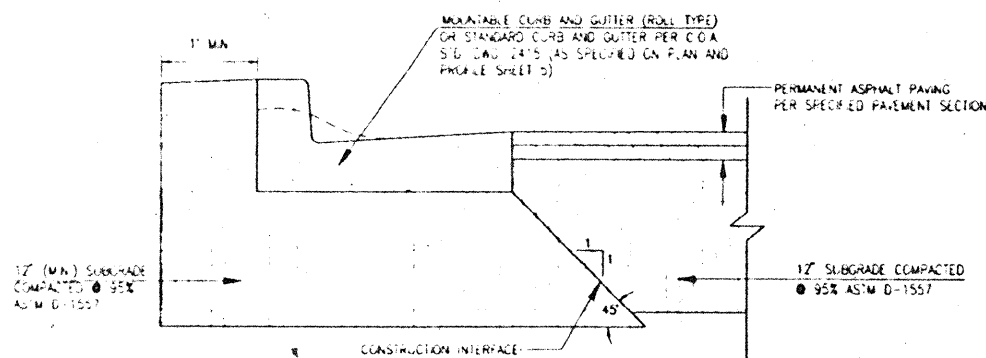
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|------------------|--------|--------------|------|-------|---|----|----|
| City Project No. | 572985 | Zone Map No. | C-19 | Sheet | 4 | Of | 12 |
|------------------|--------|--------------|------|-------|---|----|----|



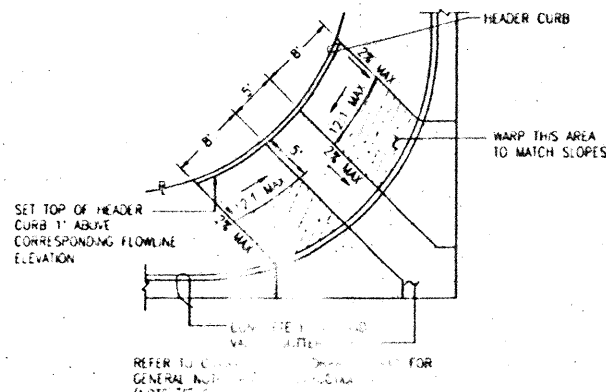
SECTION A-A (LA CAVERNA AVE. N.E.)  
SCALE: 1" = 4'



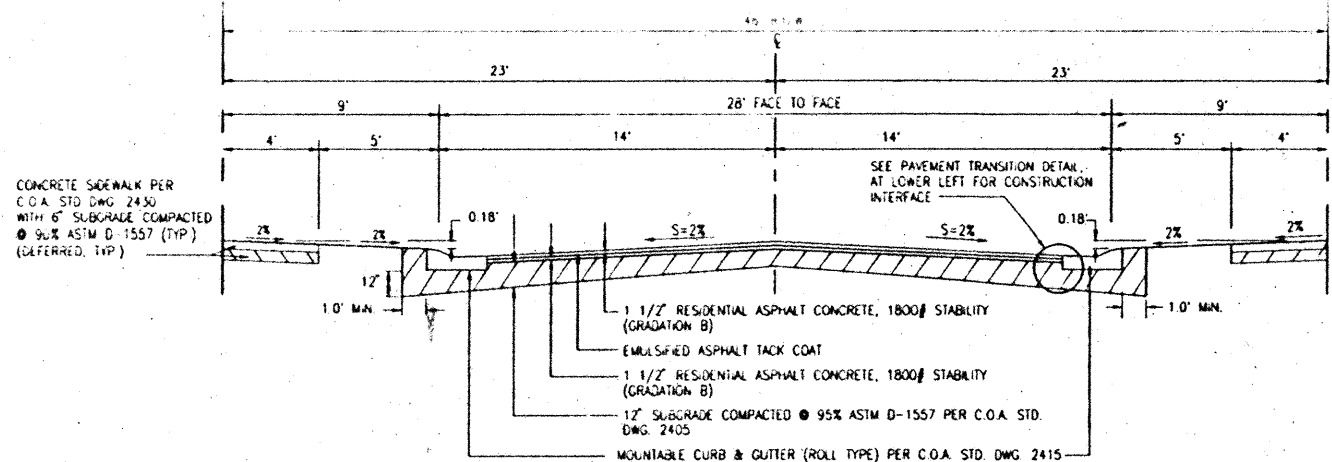
SECTION C-C (BARSTOW ST. N.E.)  
SCALE: 1" = 5'  
PAVEMENT SECTION IS CONSISTENT WITH BARSTOW STREET SECTIONS FROM CITY PROJECTS 3391, 4368 AND 5502/51



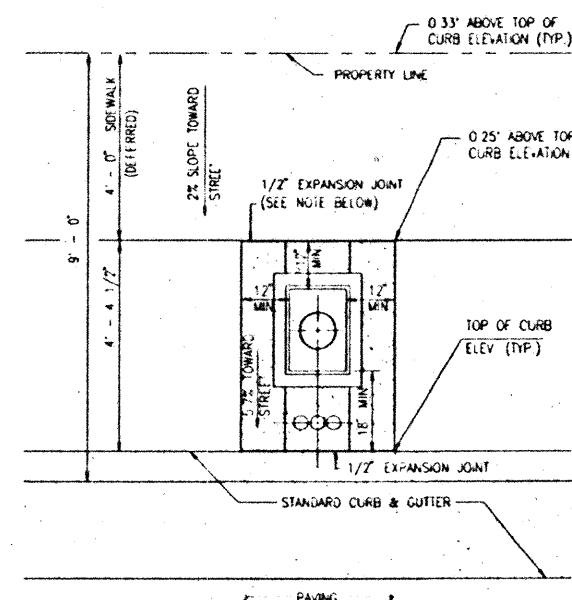
PAVEMENT TRANSITION DETAIL @ CURB & GUTTER



TYPICAL WHEEL CHAIR

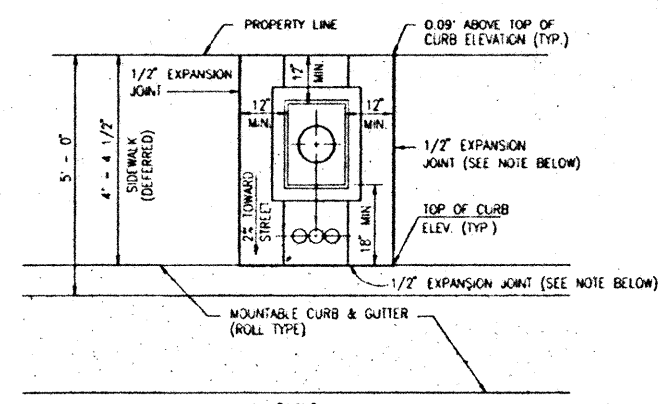


SECTION B-B (OSO LOCO PLACE N.E.)  
SCALE: 1" = 4'



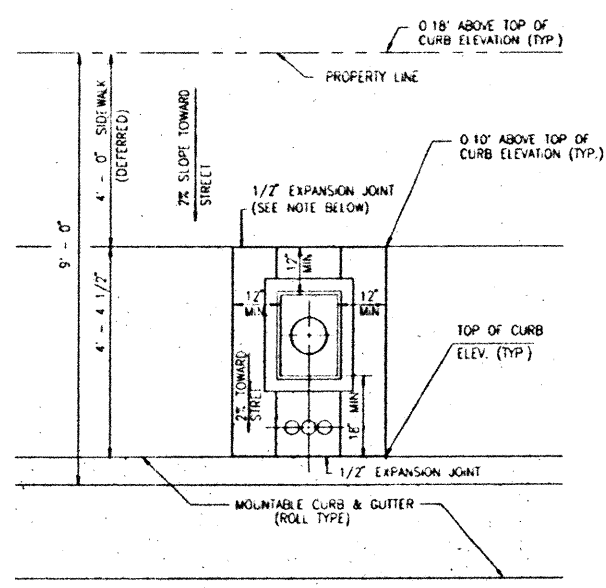
METER BOX INSTALLATION-LOT 11  
SCALE: 1" = 2'-0"

- NOTES:
- FOR CONSTRUCTION DETAILS REFER TO C.O.A. STD. DWGS. 2362 AND 2368
  - WHEN SIDEWALK IS DEFERRED CONSTRUCTION, 1/2" EXPANSION JOINT SHALL BE DEFERRED TO SIDEWALK CONSTRUCTION



TYPICAL CUL-DE-SAC METER BOX INSTALLATION-LOTS 7-10  
SCALE: 1" = 2'-0"

- NOTES:
- FOR CONSTRUCTION DETAILS REFER TO C.O.A. STD. DWGS. 2362 AND 2368
  - WHEN SIDEWALK IS DEFERRED CONSTRUCTION, 1/2" EXPANSION JOINT SHALL BE DEFERRED TO SIDEWALK CONSTRUCTION



TYPICAL METER BOX INSTALLATION-LOTS 1-6, 12-17

- NOTES:
- FOR CONSTRUCTION DETAILS REFER TO C.O.A. STD. DWGS. 2362 AND 2368
  - WHEN SIDEWALK IS DEFERRED CONSTRUCTION, 1/2" EXPANSION JOINT SHALL BE DEFERRED TO SIDEWALK CONSTRUCTION

| AS BUILT INFORMATION                                                                                                                                       |                                      |                    |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------|-----------|
| CONTRACTOR                                                                                                                                                 | DATE                                 | BY                 | REVISIONS |
| AN ALUMINUM CUL-DE-SAC LOCATED AT THE SW CORNER OF VENTURA ST. NE AND OSO LOCO AVENUE NE AND STAMPED "3-C20" <td>11/10/00 <td>JMA <td>02/2 </td></td></td> | 11/10/00 <td>JMA <td>02/2 </td></td> | JMA <td>02/2 </td> | 02/2      |
| (NOTE: ELEVATION NOT PUBLISHED. DATA FROM CITY SURVEY DEPARTMENT.)                                                                                         |                                      |                    |           |
| ELEVATION = 5588.89 FEET (M.S.L.D.)                                                                                                                        |                                      |                    |           |
| MICRO-FILM INFORMATION                                                                                                                                     |                                      |                    |           |
| DATE                                                                                                                                                       | BY                                   | REVISIONS          | DATE      |
|                                                                                                                                                            |                                      |                    |           |

| SURVEY INFORMATION |          |     |           |
|--------------------|----------|-----|-----------|
| FIELD NOTES        | DATE     | BY  | REVISIONS |
|                    | 11/10/00 | JMA | 02/2      |

| ENGINEER'S SEAL |         |     |           |
|-----------------|---------|-----|-----------|
| NO.             | DATE    | BY  | REVISIONS |
| 8547            | 03-2001 | JMA | 03-2001   |
| 8547            | 03-2001 | JMA | 03-2001   |

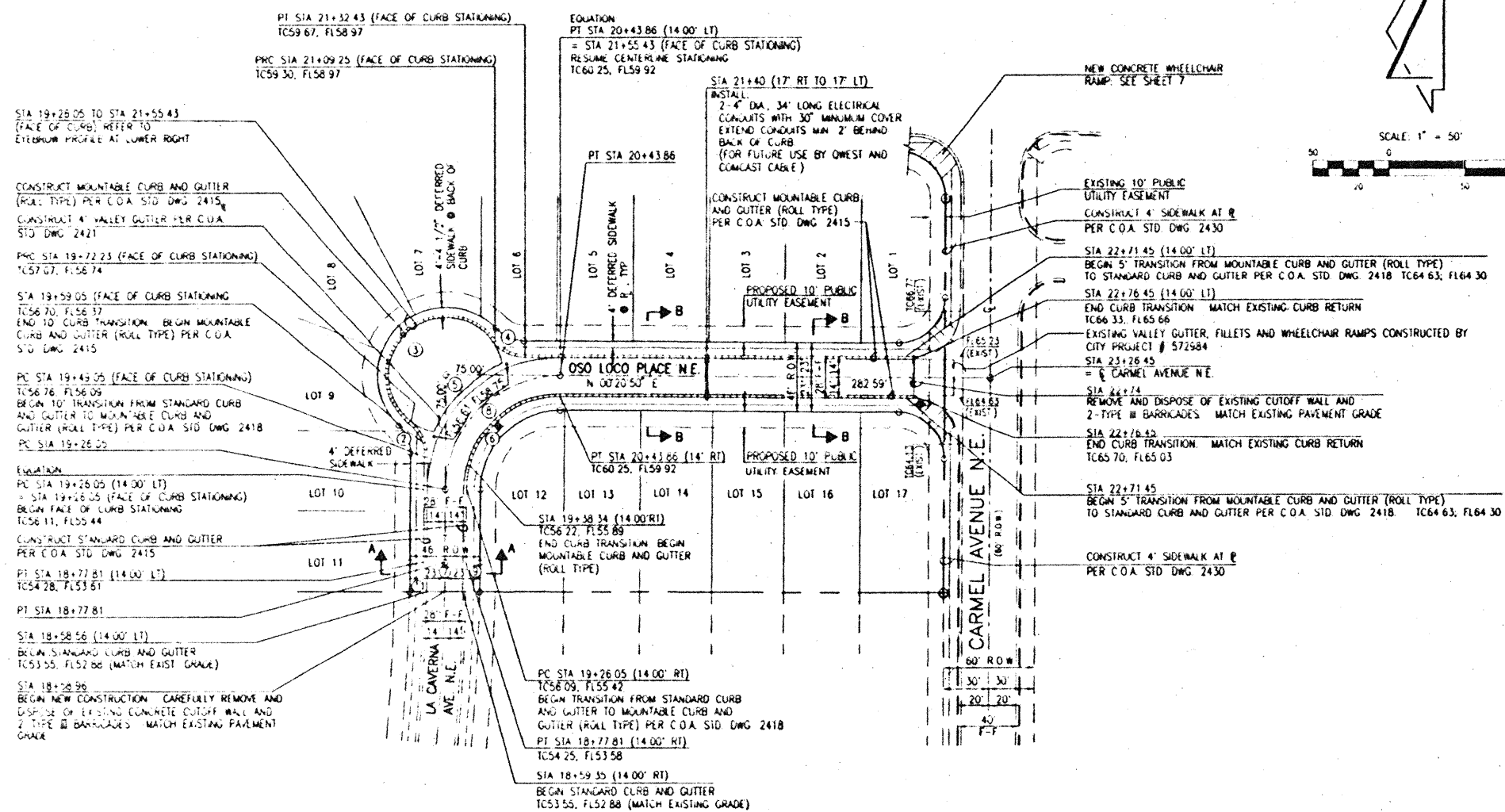
| REMARKS |      |    |           |
|---------|------|----|-----------|
| NO.     | DATE | BY | REVISIONS |
|         |      |    |           |

| CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP |           |           |             |
|---------------------------------------------------------------------------|-----------|-----------|-------------|
| TITLE:                                                                    | DESIGNER: | DRAWN BY: | CHECKED BY: |
| SECTIONS AND DETAILS<br>LOTS 1-17, LA CUEVA VILLAGE, UNIT 2               | JMA       | JMA       | JMA         |

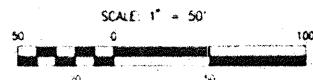
  

| CITY PROJECT NO. 572985 |       |    |    |
|-------------------------|-------|----|----|
| Zone Map No.            | Sheet | Of | 12 |
| C-19                    | 5     | 12 |    |



**CURB AND CENTERLINE CURVE DATA**

| CURVE | RADIUS   | LENGTH  | CHORD   | BEARING       | DELTA      |
|-------|----------|---------|---------|---------------|------------|
| 1     | 1361.00' | 19.05'  | 19.05'  | S 89°15'06" E | 00°46'07"  |
| 2     | 25.00'   | 23.18'  | 22.36'  | N 63°46'56" E | 53°07'48"  |
| 3     | 40.00'   | 137.02' | 79.20'  | S 44°39'10" E | 196°15'37" |
| 4     | 25.00'   | 23.18'  | 22.36'  | S 26°54'44" W | 53°07'48"  |
| 5     | 89.00'   | 139.80' | 125.87' | S 44°39'10" E | 90°00'00"  |
| 6     | 61.00'   | 95.82'  | 86.27'  | S 44°39'10" E | 90°00'00"  |
| 7     | 1315.00' | 18.85'  | 18.85'  | S 89°15'16" E | 00°47'07"  |
| 8     | 75.00'   | 117.81' | 106.07' | S 44°39'10" E | 90°00'00"  |
| 9     | 1369.00' | 18.65'  | 18.65'  | S 89°16'15" E | 00°46'10"  |



- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON STREET CENTERLINE STATIONING EXCEPT FOR EYEBROWS WHICH ARE STATIONED ALONG FACE OF CURB.
- WHERE REMOVAL OF EXISTING CURB AND GUTTER SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF-CURB.
- UNLESS OTHERWISE INDICATED, ALL SIDEWALKS SHOWN HEREON SHALL BE CONSIDERED UNDER SEPARATE PERMIT (BUILDING PERMIT).
- ALL WHEELCHAIR RAMPS MUST BE CONSTRUCTED UNDER THIS WORK ORDER.
- ALL CURB AND GUTTER SHOWN HEREON SHALL BE STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415 UNLESS OTHERWISE NOTED.
- UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS.
- STRIPING BY CONTRACTOR WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE.
- REFER TO SHEET 5 FOR STREET SECTIONS.

**AS BUILT INFORMATION**

| CONTRACTOR                                                                                            | DATE     | REVISION | DATE | REVISION |
|-------------------------------------------------------------------------------------------------------|----------|----------|------|----------|
| AN ALUMINUM CAP LOCATED AT THE SW CORNER OF VENTURA ST. NE AND SCARLETT AVE. N.E. AND STAMPED "3-C20" | 11/02/00 | NO. 0212 | DATE | REVISION |

**FIELD NOTES**

| NO.  | DATE     | BY  |
|------|----------|-----|
| 0212 | 11/02/00 | JMA |

**ENGINEER'S SEAL**

|         |             |          |            |
|---------|-------------|----------|------------|
| DATE    | DESIGNED BY | DRAWN BY | CHECKED BY |
| 03-2000 | G.M.        | S.G.H.   | J.M.       |

**REVISIONS**

| NO. | DATE    | REVISION |
|-----|---------|----------|
| 1   | 03-2000 | DESIGN   |

**JMA**  
2000 093.1

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

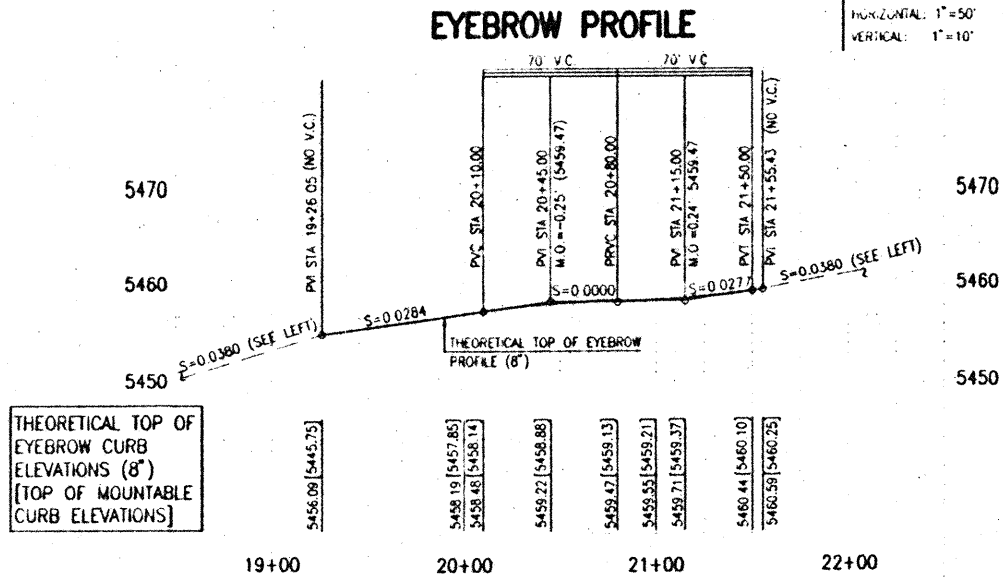
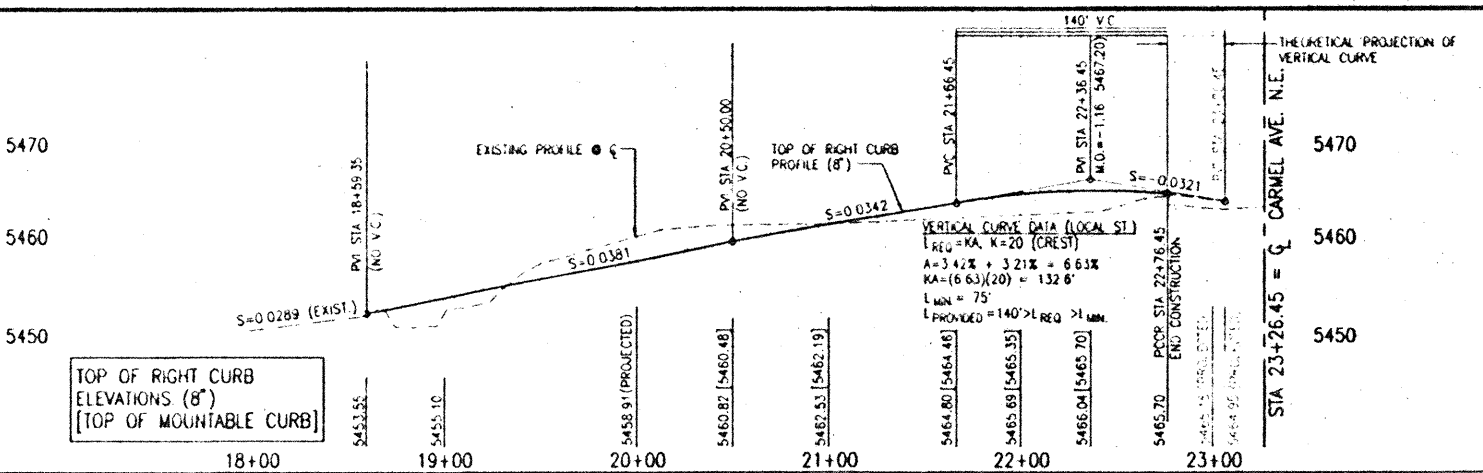
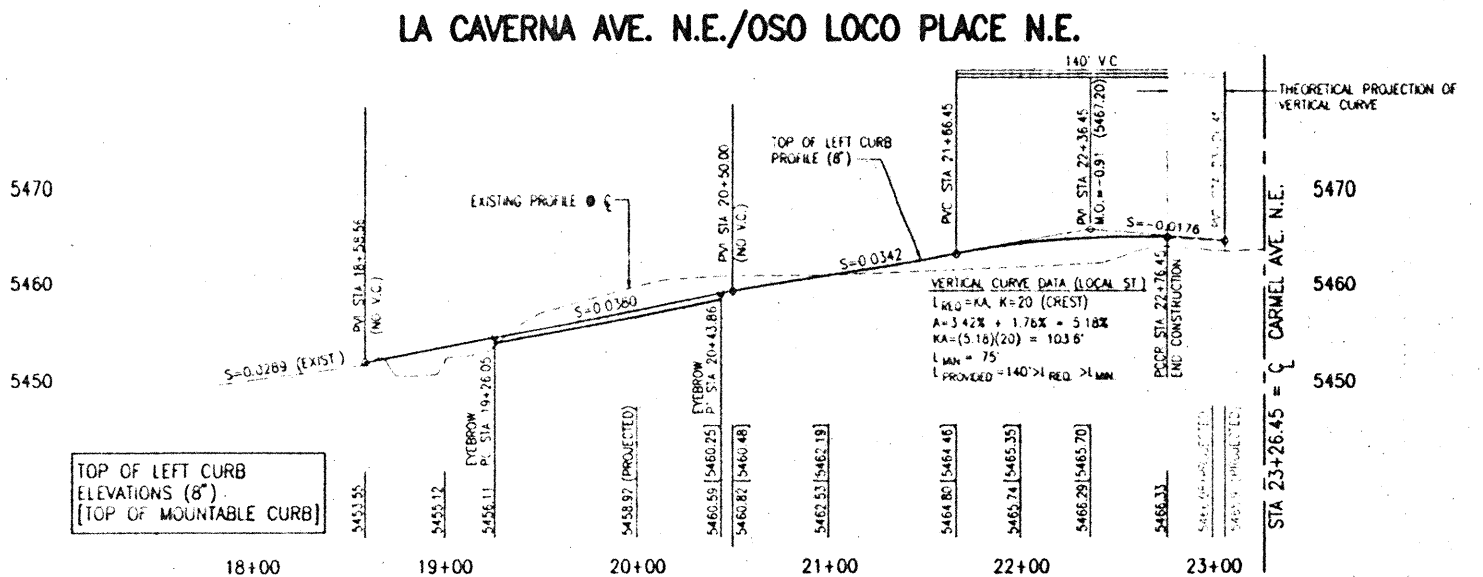
**TITLE:** LA CAVERNA AVE. NE/OSO LOCO PLACE NE  
PAVING IMPROVEMENTS PLAN AND PROFILE  
LOTS 1-17, LA CUEVA VILLAGE, UNIT 2

**APPROVALS**

|                  |               |
|------------------|---------------|
| DESIGN COMMITTEE | CITY ENGINEER |
|------------------|---------------|

City Project No. 572985 C-19

Sheet 6 of 12



**VERTICAL CURVE DATA (LOCAL RESIDENTIAL CUA-DE-SAC)**

REQ=KA, K=10 (CREST), K=20 (SAG)

**A. CREST**

A=2.84% + 0% = 2.84%

KA=(10)(2.84) = 28.40'

L<sub>MIN</sub>=60'

L<sub>PROVIDED</sub>=70'>L<sub>MIN</sub>>L<sub>REQ</sub>

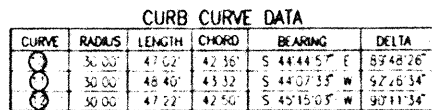
**B. SAG**

A=-0% + 2.77% = 2.77%

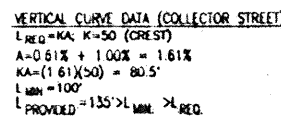
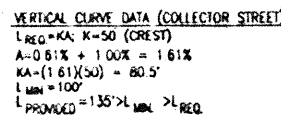
KA=(20)(2.77) = 55.40'

L<sub>MIN</sub>=60'

L<sub>PROVIDED</sub>=70'>L<sub>MIN</sub>>L<sub>REQ</sub>



CONSTRUCT PAYMENT PER  
SECTION C-C. SHEET 5



 NEW PERMANENT PAVEMENT  
 NEW TEMPORARY PAVEMENT  
 NEW CONCRETE  
 EXISTING TEMPORARY PAVEMENT  
 TO BE REMOVED AND DISPOSED  
 NEW STREET LIGHT  
 (BY SEPARATE CONTRACT)

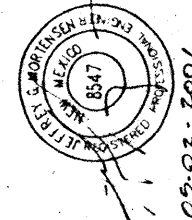
**SCALE:**  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 10'

1. ALL SLOPES AS SHOWN ON PRICES ARE BASED ON STREET CENTERLINE STATIONING EXCEPT FOR EYEBROWS WHICH ARE STATIONED ALONG FACE OF CURB.
2. WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DESTROYED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR EXPENSE.
3. ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF CURB.
4. UNLESS OTHERWISE INDICATED, ALL SIDEWALKS SHOWN HEREON SHALL BE CONSIDERED UNDER SEPARATE PERMIT (BUILDING PERMIT).
5. ALL WHEELCHAIR RAMPS MUST BE CONSTRUCTED UNDER THIS WORK ORDER.
6. ALL CURB AND GUTTER SHOWN HEREON SHALL BE STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415 UNLESS OTHERWISE NOTED.
7. UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS.
8. STRIPING BY CONTRACTOR WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE.
9. REFER TO SHEET 5 FOR STREET SECTIONS.
10. REFER TO SHEET 8 FOR BARSTOWN STREET STRIPING PLAN.

BENCH MARKS

**SURVEY INFORMATION**

ENGINEER'S SEAL



05-03-2001

| NO.              | DATE | REMARKS | BY      |
|------------------|------|---------|---------|
| <i>Revisions</i> |      |         |         |
| <b>DESIGN</b>    |      |         |         |
| Designed By      | GM   | Date    | 03-2001 |
| Drawn By         | JYR  | Date    | 03-2001 |

**JWA** JEFF HERTENSEN & ASSOCIATES, INC.  
☐ 6510-B MIDWAY PARK BLVD NE  
☐ ALBUQUERQUE ☐ NEW MEXICO 87109  
☐ ENGINEERS ☐ SURVEYORS (COC) 345-4200  
☐ FAX 505-267-4254 ☐ ENCL. MARK BSWCO

2000.093.1

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

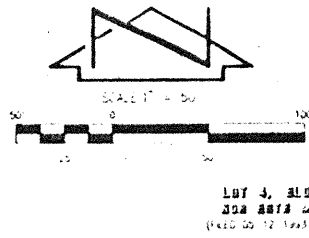
TITLE: BARSTOW STREET N.E.  
PAVING IMPROVEMENTS PLAN AND PROFILE  
LOTS 1-17, LA CUEVA VILLAGE, UNIT 2



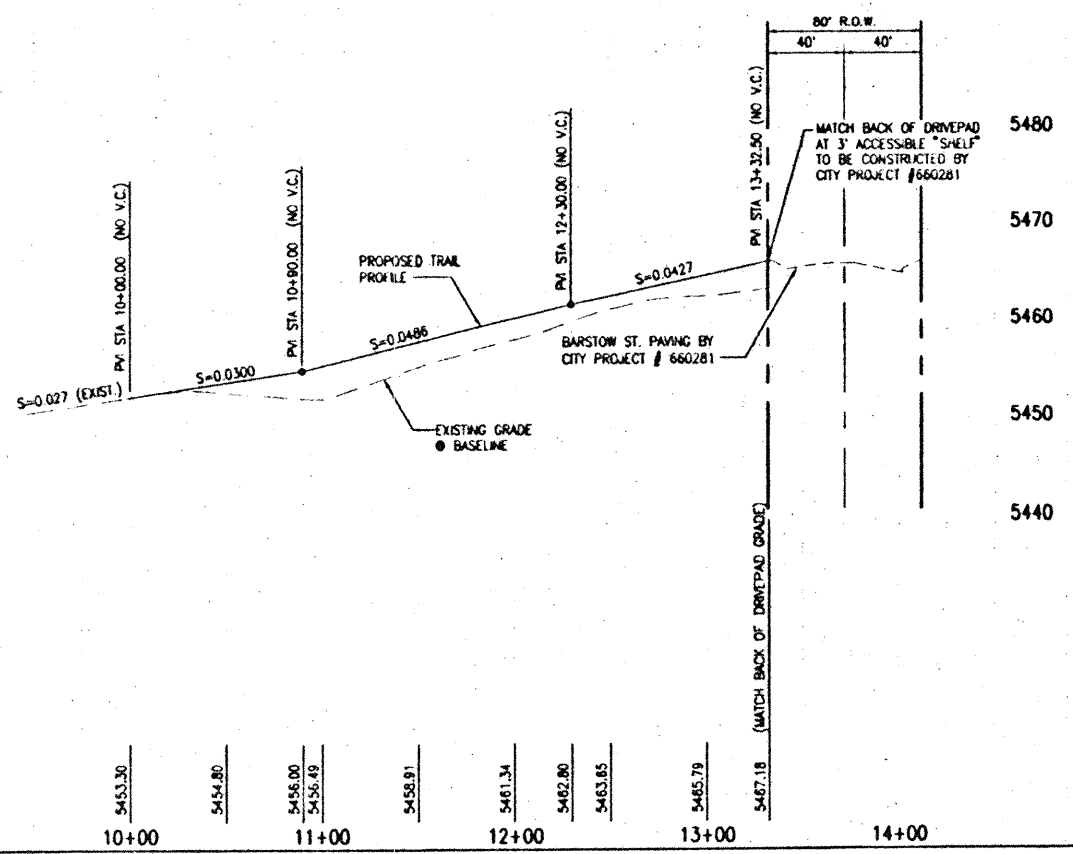
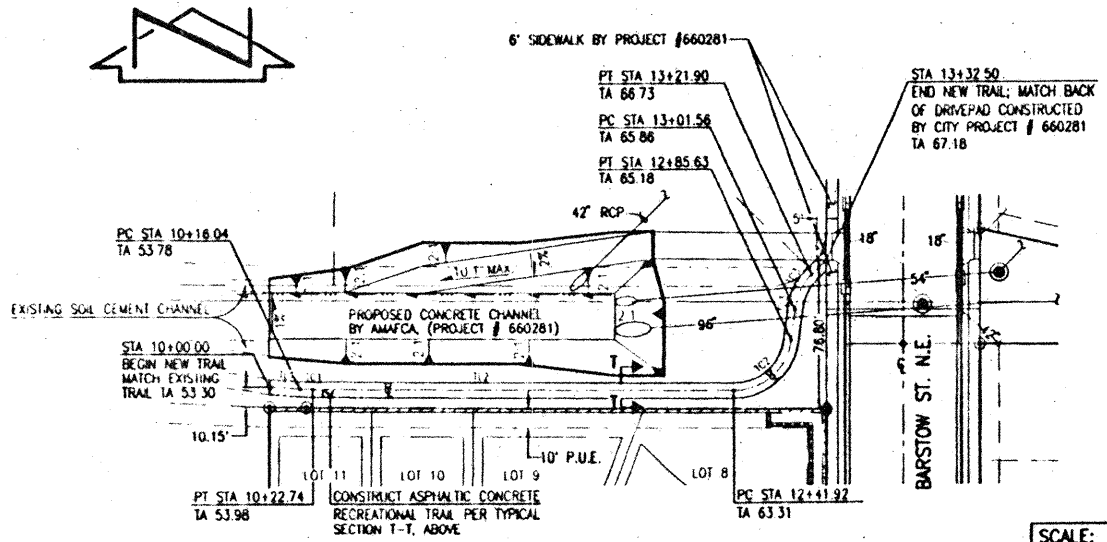
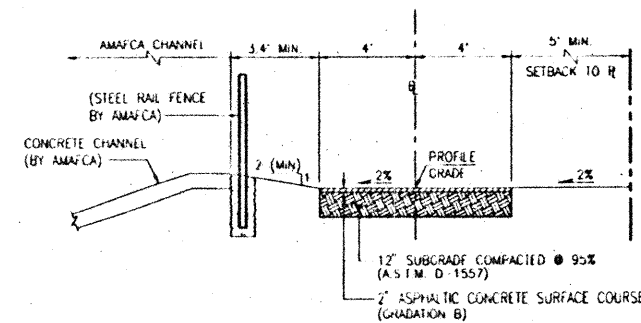
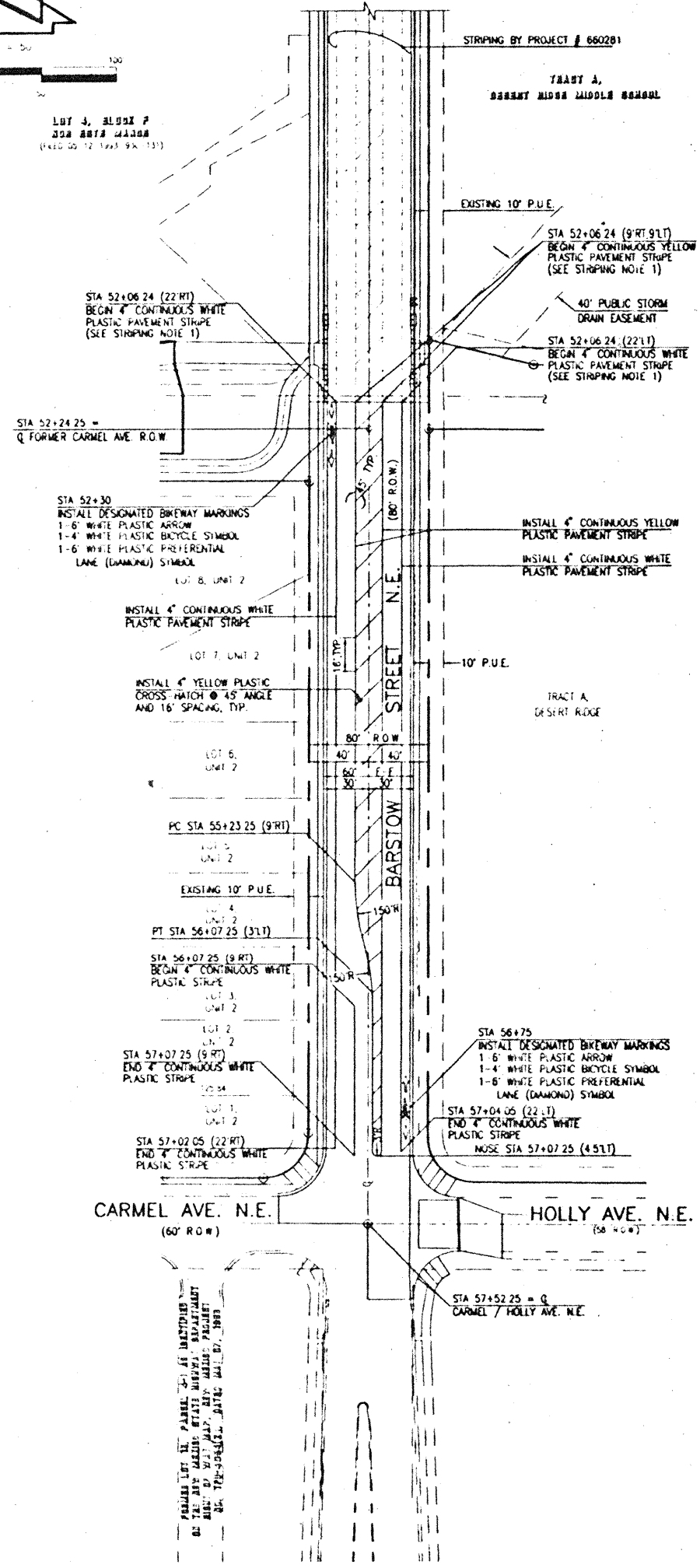
CITY ENGINEER APPROVAL

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|                         |                   |               |
|-------------------------|-------------------|---------------|
| City Project No. 572985 | Zone Map No. C-19 | Sheet 7 Of 12 |
|-------------------------|-------------------|---------------|



LOT 3, BLOCK 2  
300 8013 44388  
(Paved 05/12/1991 9A:13)



- STRIPING NOTES**
- IT IS THE INTENT OF THIS PROJECT TO COORDINATE BARSTOW STREET CONSTRUCTION, STRIPING AND TRAFFIC CONTROL WITH CITY PROJECT # 660281. THE TIMING OF THESE TWO PROJECTS MAY REQUIRE ADDITIONAL STRIPING AND/OR TEMPORARY STRIPING. THE CONTRACTOR SHALL VERIFY THE STRIPING REQUIREMENTS AT THE TIME OF CONSTRUCTION BY CONTACTING TRAFFIC ENGINEERING OPERATIONS AS REQUIRED IN NOTE 4.
  - UPON COMPLETION OF CONSTRUCTION THE CONTRACTOR WILL PROVIDE AND INSTALL STREET SIGNS AND STRIPING. ALL STRIPING AND SIGNAGE SHALL COMPLY WITH THE MUTCD AND THE THIRD DRAFT SPECIFICATIONS BY C.O.A. TRAFFIC ENGINEERING OPERATIONS, JUNE 1994.
  - STRIPING BY THE CONTRACTOR WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE.
  - THE CONTRACTOR SHALL CONTACT TRAFFIC ENGINEERING OPERATIONS (857-8000) PRIOR TO STRIPING AND SIGN INSTALLATION.

- TRAIL PAVING NOTES**
- SLOPES AS SHOWN ON PROFILES ARE BASED ON TRAIL BASELINE
  - REFER TO PLAT, SHEET 2 FOR SUBDIVISION BOUNDARY INFORMATION.

**TRAIL BASELINE DATA**

| LINE | DIRECTION   | DISTANCE |
|------|-------------|----------|
| TL1  | S85°48'57"E | 16.04'   |
| TL2  | S89°39'10"E | 219.19'  |
| TL3  | N06°52'25"E | 15.93'   |
| TL4  | N45°43'58"E | 10.60'   |

| CURVE | RADIUS  | LENGTH | CHORD  | CH. BEARING | DELTA      |
|-------|---------|--------|--------|-------------|------------|
| TC1   | 100.00' | 6.70'  | 6.70'  | S87°44'04"E | 0°50'15"E  |
| TC2   | 30.00'  | 43.71' | 39.94' | N48°36'38"E | 8°28'25"E  |
| TC3   | 30.00'  | 20.35' | 19.96' | N26°18'11"E | 38°51'33"E |

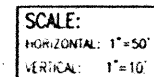
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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

**TITLE:**  
BARSTOW STREET STRIPING DETAIL,  
TRAIL IMPROVEMENTS PLAN AND PROFILE  
LOTS 1-17, LA CUEVA VILLAGE, UNIT 2

|                            |               |                    |
|----------------------------|---------------|--------------------|
| DESIGN<br>REVIEW COMMITTEE | CITY ENGINEER | LAST DESIGN UPDATE |
|----------------------------|---------------|--------------------|

| AS BUILT INFORMATION |      | BENCH MARKS                                                                                             |      | SURVEY INFORMATION |       | ENGINEER'S SEAL |         |
|----------------------|------|---------------------------------------------------------------------------------------------------------|------|--------------------|-------|-----------------|---------|
| CONTRACTOR           | DATE | AN ALUMINUM CAP LOCATED AT THE SW CORNER OF VENTURA ST. N.E. AND SIGNAL AVENUE N.E. AND STAMPED "3-C20" | DATE | NO.                | DATE  | REMARKS         | DATE    |
| INSPECTOR            | DATE | (NOTE: ELEVATION NOT PUBLISHED DATA FROM CITY SURVEY DEPARTMENT.)                                       | DATE | 07/12              | 07/12 | DESIGN          | 07/2001 |
| FILED BY             | DATE | ELEVATION = 5569.89 FEET (M.S.L.D.)                                                                     | DATE |                    |       | DESIGNED BY     | 03/2001 |
| FILED BY             | DATE |                                                                                                         | DATE |                    |       | DRAWN BY        | 03/2001 |
| FILED BY             | DATE |                                                                                                         | DATE |                    |       | CHECKED BY      | 04/2001 |



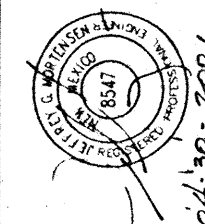
| SANITARY SEWER<br>SERVICE SCHEDULE |          |    |      |     |
|------------------------------------|----------|----|------|-----|
| LOTS                               | STA      | SZ | INV  | • R |
| 11                                 | 13+68.73 | 4" | 48.0 |     |
| 12                                 | 18+70.64 | 4" | 48.2 |     |
| 10                                 | 19+21.60 | 4" | 50.0 |     |
| 9                                  | AS SHOWN | 4" | 51.5 |     |
| 8                                  | AS SHOWN | 4" | 53.0 |     |
| 7                                  | AS SHOWN | 4" | 53.0 |     |
| 6                                  | AS SHOWN | 4" | 55.0 |     |
| 5                                  | 20+51.45 | 4" | 56.0 |     |
| 13                                 | 20+56.86 | 4" | 54.5 |     |
| 4                                  | 21+01.45 | 4" | 57.5 |     |
| 14                                 | 21+06.86 | 4" | 56.1 |     |
| 3                                  | 21+51.45 | 4" | 59.4 |     |
| 15                                 | 21+54.15 | 4" | 57.7 |     |
| 2                                  | 22+01.45 | 4" | 61.0 |     |
| 16                                 | 22+03.45 | 4" | 58.5 |     |
| 1                                  | 22+51.45 | 4" | 61.6 |     |
| 17                                 | 22+55.45 | 4" | 60.0 |     |

1. ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
2. FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C 900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
3. FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. CONCRETE CYLINDER IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
4. WATER LINE SHALL HAVE A MINIMUM COVER OF 4'0" (FINISHED GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION. THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
5. ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
6. IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALLIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
7. VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION. THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
8. JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATERLINE CONSTRUCTION. THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
9. JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
10. FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED. JOINT RESTRAINT LENGTHS SPECIFIED HEREON ARE THE LENGTHS TO BE RESTRAINED EACH SIDE OF THE FITTING.
11. ALL HYDRANTS SHALL BE SECURELY WRAPPED IN BLACK PLASTIC UNTIL SUCH TIME AS THE NEW WATER LINE IS PUT INTO SERVICE BY WATER SYSTEMS PERSONNEL.

SANITARY SEWER CONSTRUCTION NOTES.

1. ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
2. ALL SEWER PIPE SHALL BE PVC (SDR-35).
3. SLOPES SHOWN ON THE PROFILES ARE BASED ON TRUE DISTANCES.
4. ALL MANHOLES SHALL BE FOUR-FOOT DIAMETER TYPE "E" AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 212 USED OTHERWISE, NOTED. MANHOLE STEPS SHALL BE DERIVED FROM THE CONTRACT.
5. SEWER SERVICE LATERALS SHALL BE PROVIDED WITH ELECTRIC MANHOLE MANHOLES AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2125. EMO SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR PERMITTED LIMITS AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
8. WHERE WATER AND SANITARY SEWER LINES CROSS, THE SANITARY SEWER LINE SHALL BE INSTALLED AS PRESSURE PIPE BETWEEN MANHOLES # 118 INCHES ON VERTICAL SEPARATION DOES NOT EXIST.

|                                                                                                                                                                                                                         |                |                        |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------|------|
| BENCH MARKS                                                                                                                                                                                                             |                | AS BUILT INFORMATION   |      |
| AN ALUMINUM CAP LOCATED AT THE SW CORNER OF VENTURA ST NE<br>AND SIGNAL AVENUE N.E. AND STAMPED "3-C20"<br>(NOTE: ELEVATION NOT PUBLISHED. DATA FROM CITY SURVEY<br>DEPARTMENT.)<br>ELEVATION = 5569.89 FEET (M.S.L.D.) | CONTRACTOR     | DATE                   |      |
|                                                                                                                                                                                                                         | MADE BY        | DATE                   |      |
|                                                                                                                                                                                                                         | POSTED BY      | DATE                   |      |
|                                                                                                                                                                                                                         | ACCEPTANCE BY  | DATE                   |      |
|                                                                                                                                                                                                                         | IN REVISION BY | DATE                   |      |
| MICRO-FILM INFORMATION                                                                                                                                                                                                  |                | MICRO-FILM INFORMATION |      |
|                                                                                                                                                                                                                         |                | RECORDED BY            | DATE |
|                                                                                                                                                                                                                         |                | NO.                    |      |

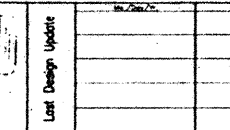
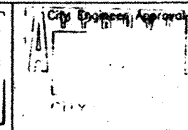
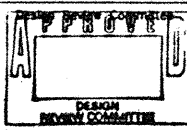
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**John** JEFF HERRIENSEN & ASSOCIATES, INC.  
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 ALBUQUERQUE, NM 87109  
 ENGINEERS & SURVEYORS (505) 345-4258  
 FAX: 505 345-4254 Email: jhsc@scpc.com

2000.093.1

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: LA CAVERNA AVE. NE/OSO LOCO PLACE NE  
WATER AND SANITARY SEWER LINE EXTENSIONS  
LOTS 1-17, LA CUEVA VILLAGE, UNIT 2



|                  |        |              |      |       |   |    |    |
|------------------|--------|--------------|------|-------|---|----|----|
| City Project No. | 572985 | Zone Map No. | C-19 | Sheet | 9 | Of | 12 |
|------------------|--------|--------------|------|-------|---|----|----|

SCANNED BY  
PLANNING

TRAFFIC CONTROL STANDARDS

- CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
- CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LAKE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.
- THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LAKE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
- ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 5A.4 OF THE M.U.T.C.D. LATEST EDITION.
- THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE M.U.T.C.D. LATEST EDITION.
- ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
- ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED AHEAD A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER M.U.T.C.D. SECTION 6A-4.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
- EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE JOB AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
- ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE M.U.T.C.D. LATEST EDITION.
- 48 HOURS PRIOR TO OCCUPANCY OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITAL, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
- ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

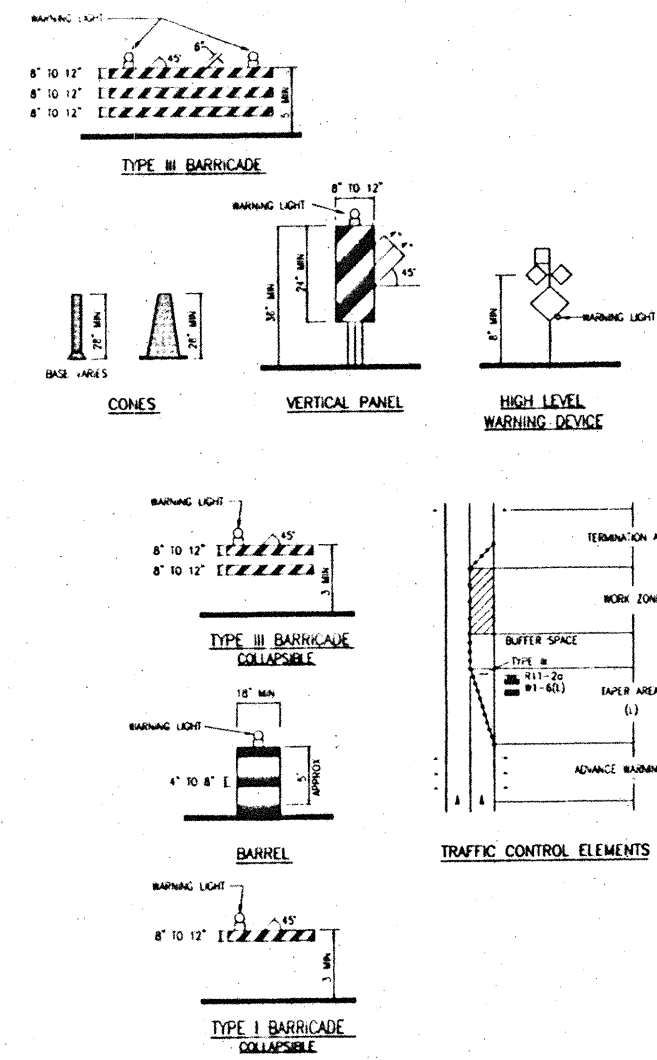
- EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHES OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
- CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
  - STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
  - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
  - SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
- FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
- ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.
- TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.
- ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.

SPECIAL PROJECT TRAFFIC CONTROL NOTES

- CONTRACTOR SHALL PERFORM AS MUCH WORK AS POSSIBLE PRIOR TO RESTORING TRAFFIC ON BARSTOW STREET N.E., INCLUDING CURB AND GUTTER, SIDEWALK AND VALLEY GUTTER CONSTRUCTION.
- A FULL BARSTOW STREET N.E. CLOSURE AS SHOWN HEREON IS ONLY PERMITTED FOR 30 CONSECUTIVE CALENDAR DAYS FOR CITY PROJECT # 660281 AND ONLY DURING THE MONTHS OF JUNE AND JULY. THE CONTRACTOR MAY CHOOSE TO COORDINATE CONSTRUCTION IN BARSTOW STREET N.E. WITH THE CITY PROJECT #660281. CONTRACTOR TO UTILIZE THE SAME BARSTOW STREET N.E. CLOSURE. OTHERWISE, THE CONTRACTOR FOR THIS PROJECT SHALL STAGE THE CONSTRUCTION IN A MANNER THAT WILL PROVIDE CONTINUOUS 2-WAY TRAFFIC ON BARSTOW STREET N.E. AT ALL TIMES.
- BARRICADING ON BARSTOW STREET N.E. IS SUBJECT TO ARTERIAL/COLLECTOR ROAD USAGE FEES OF \$300 PER SQUARE FOOT OF BARRICADED AREA PER DAY.

SIGN FACE DETAILS

The sign face details section contains a grid of various traffic signs. The first row includes signs for right and left turns (W1-1(R), W1-1(L), W1-2(R), W1-2(L), W1-3(R), W1-3(L), W1-4(R), W1-4(L)), a straight-ahead sign (W1-6(R), W1-6(L)), and a stop sign (W3-1). The second row shows lane closure signs (W4-2(R), W4-2(L), W6-3, W8-1, W8-3, W8-3A, W8-7, W13-1, W12-1, W8-9a, W14-2, W3-1A), a speed limit sign (35 MPH), and a no outlet sign. The third row features a road construction sign (W20-1), a detour sign (W20-2), a road closed sign (W20-3), a one lane closed sign (W20-4), a right lane closed sign (W20-5(R)), a left lane closed sign (W20-5(L)), a two lanes closed sign (W20-5(2L)), a center lane closed sign (W20-5(C)), a flagger ahead sign (W20-7), a right lane must turn right sign (W20-7a), a left lane must turn left sign (W20-7b), and a keep right/left sign (W1-4bR, W1-4bL). The fourth row includes a stop sign (R1-1), a yield sign (R1-2), a speed limit sign (R2-1), a reduced speed ahead sign (R2-5a), a reduced speed 30 sign (R2-5b), a no turns sign (R3-1, R3-2), a right lane must turn right sign (R3-7(R)), a left lane must turn left sign (R3-7(L)), a keep right sign (R4-7a), and a keep left sign (R4-7b(L)). The fifth row shows a wrong way sign (R5-1), a one way sign (R5-1a, R5-1(R), R5-1(L)), a no parking any time sign (R7-1), a road closed sign (R11-2), a lane closed sign (R11-2a), a road closed to thru traffic sign (R11-4), an end detour sign (M4-8a), a detour sign (M4-9(R), M4-9(L)), and a detour sign (M4-10(R), M4-10(L)). The sixth row contains a thru traffic keep right sign (SPECIAL SIGN 10), a thru traffic keep left sign (SPECIAL SIGN 20), a prepared to stop sign (SPECIAL SIGN 30), and an access to sign (SPECIAL SIGN 50). Below the grid, it states: 'ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.' and shows a legend for a detour sign (M4-10(R), M4-10(L)) and an end construction sign (C20-2).



LEGEND

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

TAPER REQUIREMENTS

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

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

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

TAPER CRITERIA

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

TAPER LENGTH COMPUTATION

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

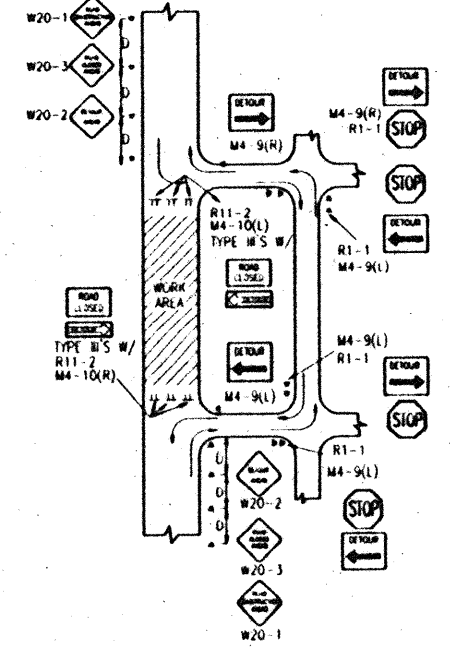
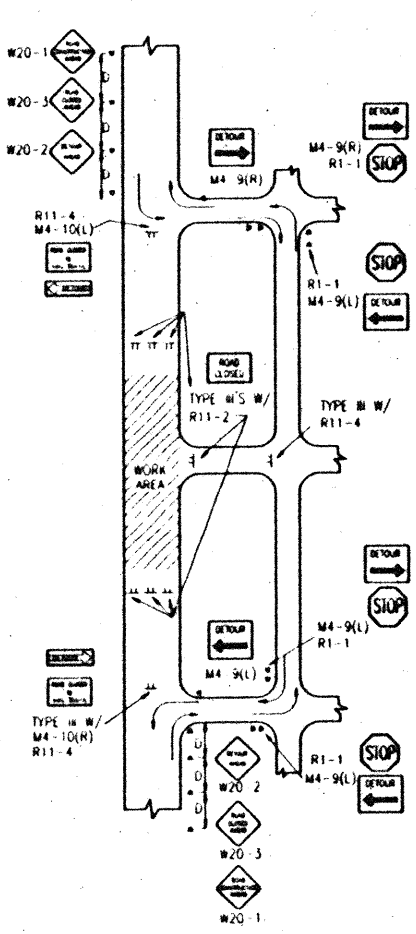
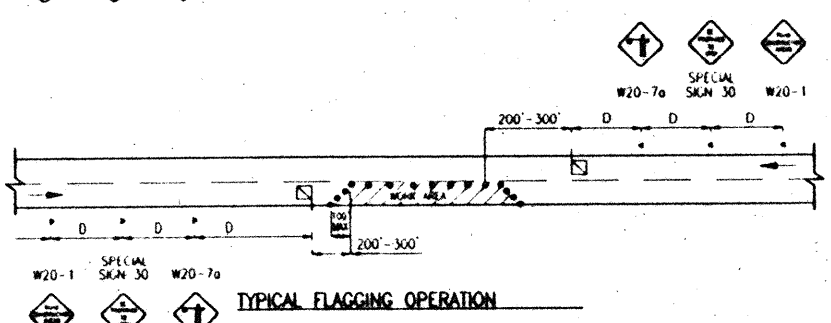
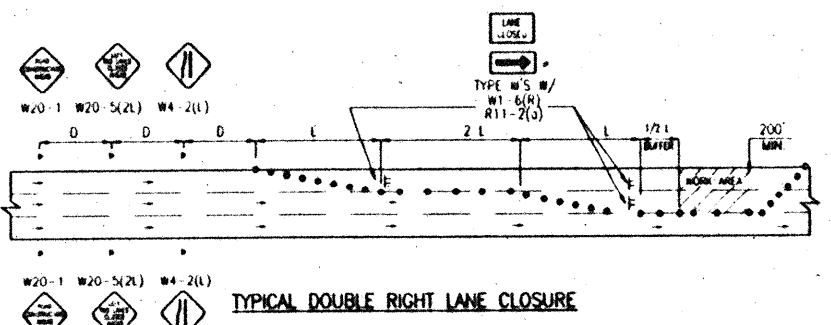
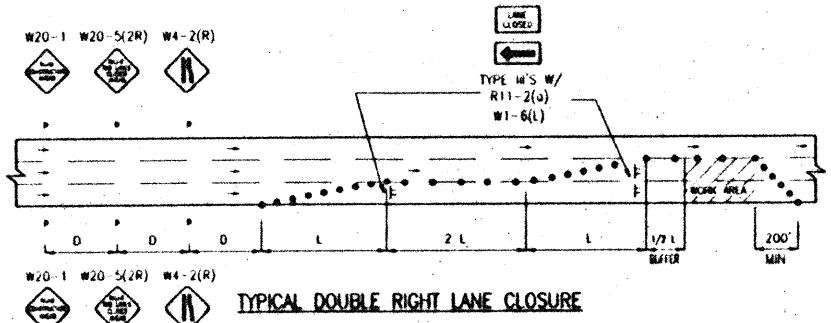
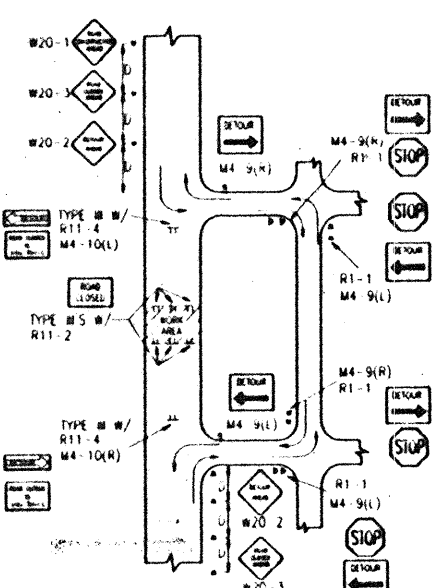
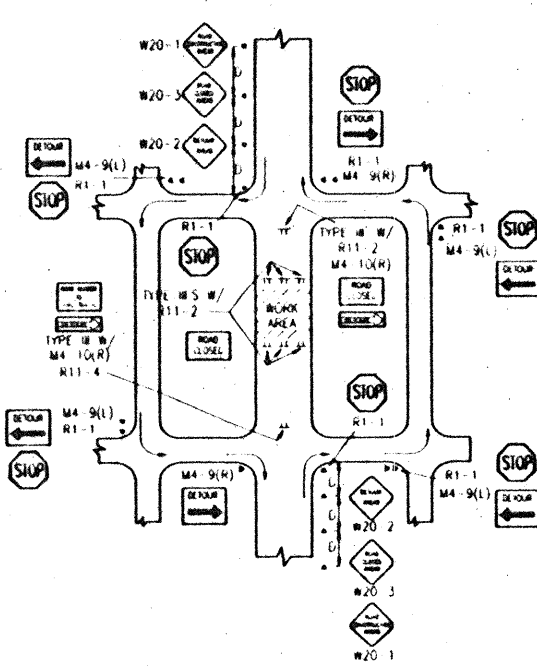
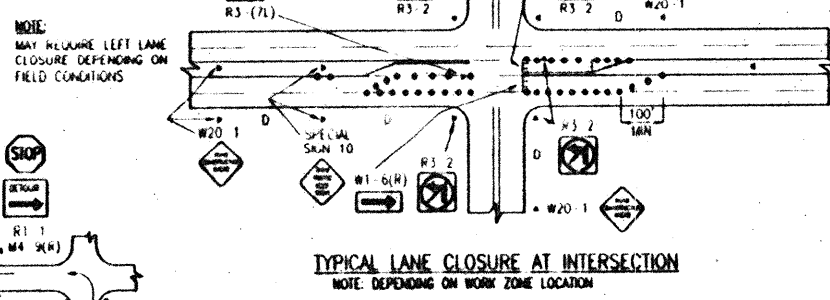
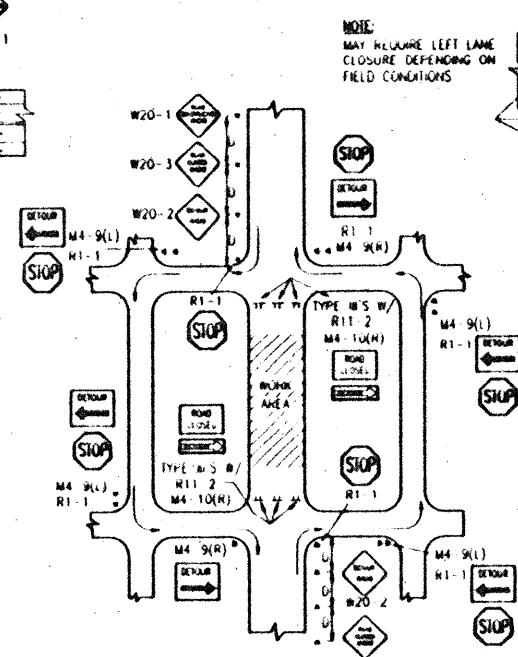
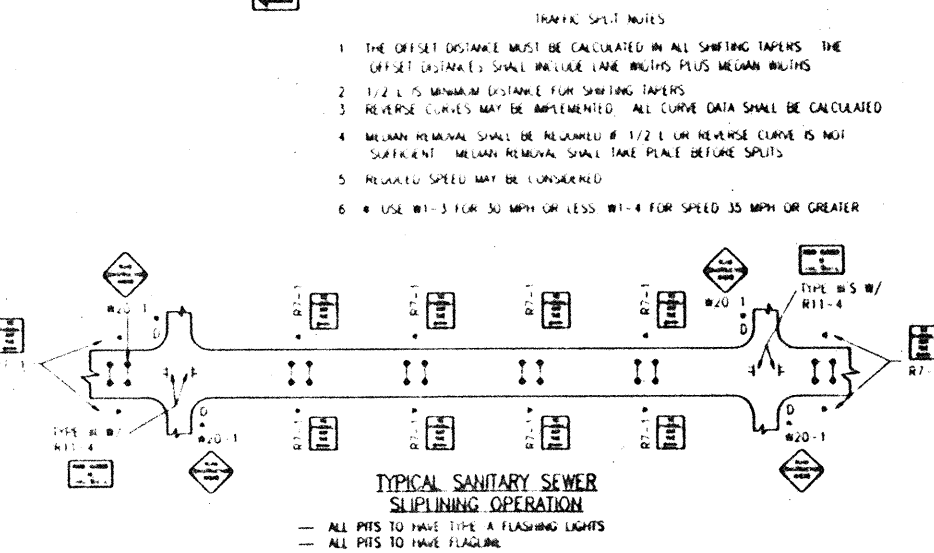
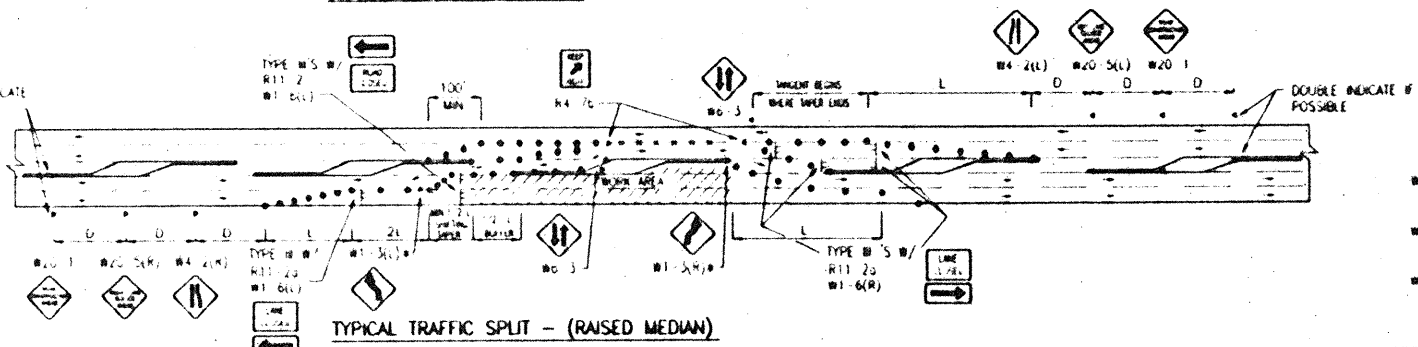
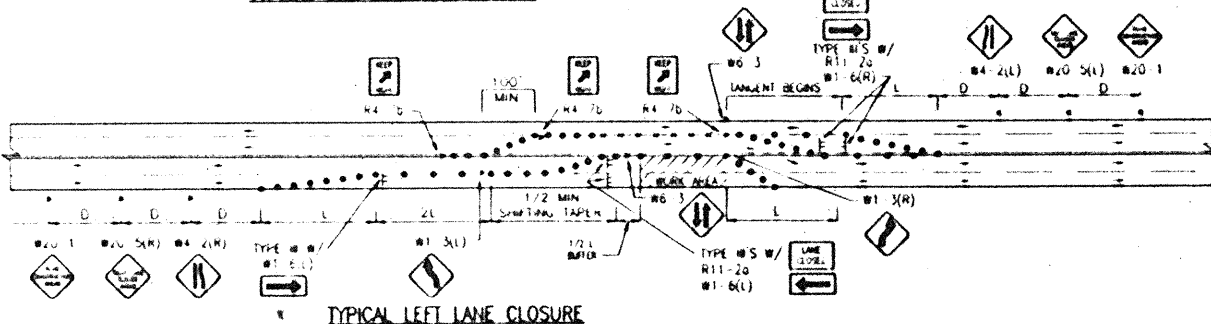
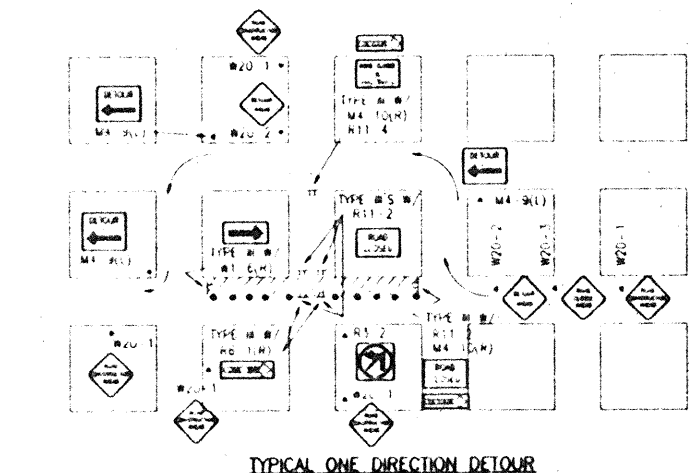
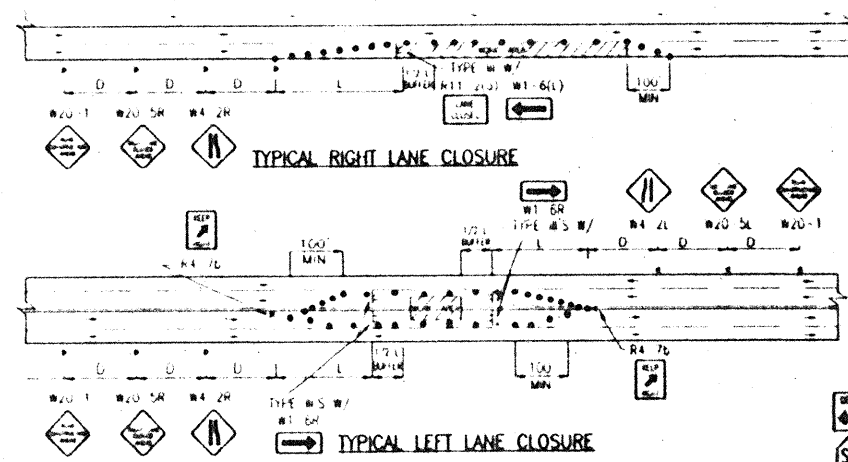
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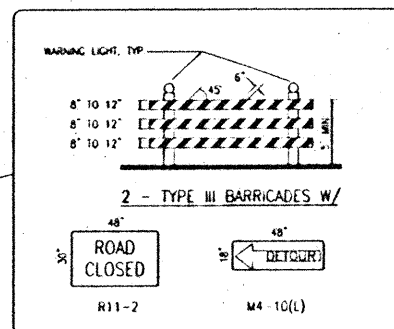
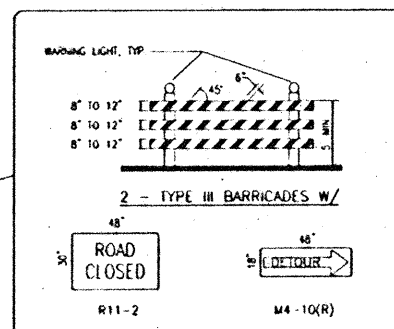
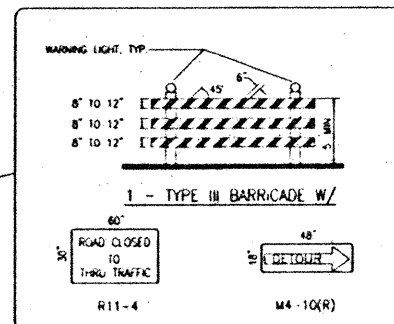
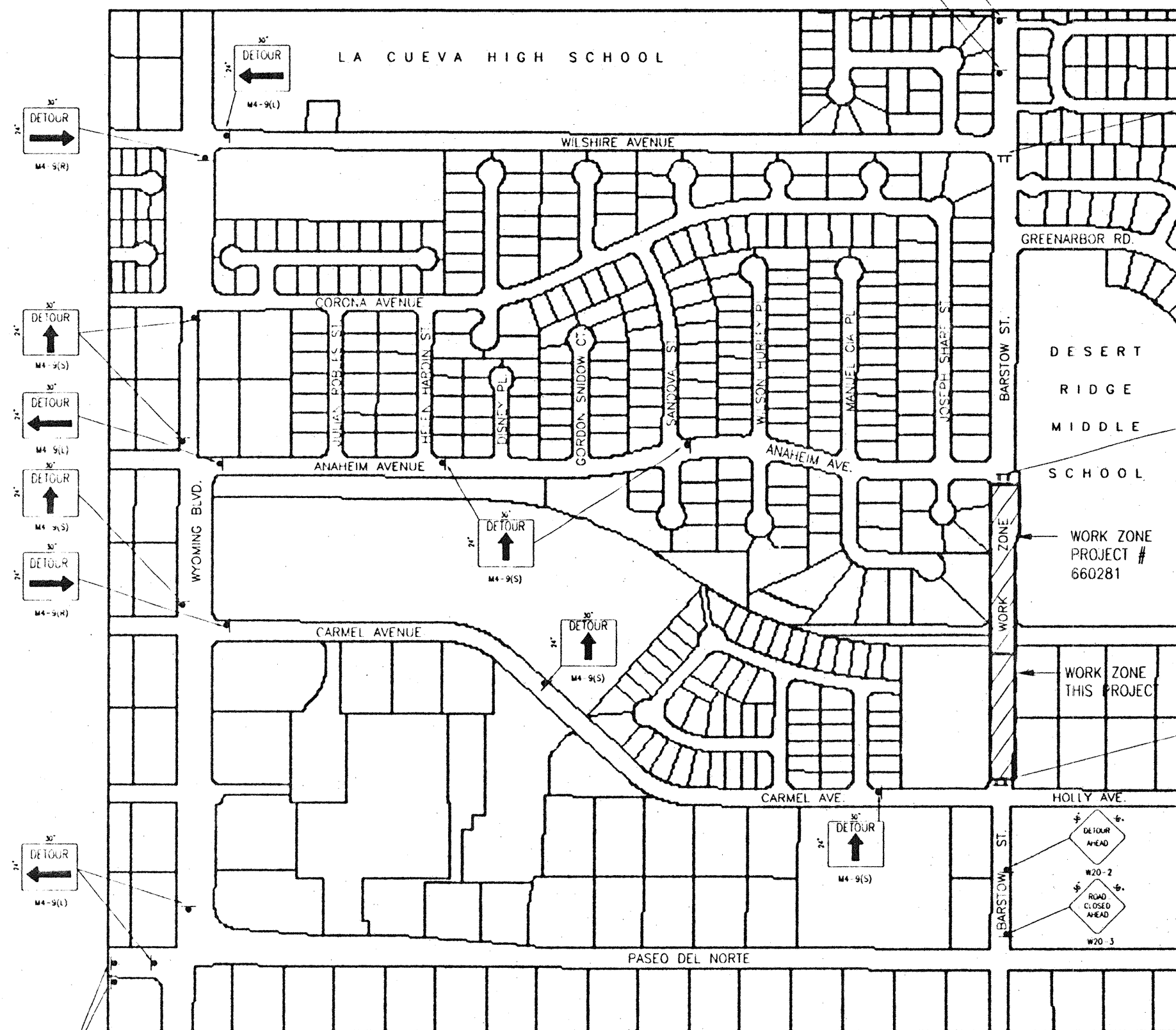
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: LOTS 1-17, LA CUEVA VILLAGE, UNIT 2  
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS/  
SPECIAL PROJECT TRAFFIC CONTROL NOTES

|                         |                        |          |         |    |      |
|-------------------------|------------------------|----------|---------|----|------|
| Design Review Committee | City Engineer Approval | NO. DATE | REMARKS | BY | DATE |
| C.O.A. STD.             | C.O.A. STD.            |          |         |    |      |

City Project No. 572985 Zone Map No. C19 Sheet 10 Of 12

[illegible]



THIS DETOUR PLAN TAKEN FROM CITY  
PROJECT #660281. SEE SPECIAL TRAFFIC  
CONTROL NOTES, SHEET 10 FOR  
INFORMATION CONCERNING COORDINATION  
WITH THAT PROJECT

60"

BARSTOW CLOSED NORTH  
OF PASEO DEL NORTE  
USE WYOMING

SPECIAL (QTY 2)

SEE SHEET 10 FOR TRAFFIC CONTROL  
GENERAL AND SPECIAL PROJECT NOTES

**Jan**  
2000.021.3

JEFF WORTGEN & ASSOCIATES, INC.  
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☐ FAX 505 345-4254 ☐ Email: jwinc@swcp.com

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: LOTS 1-17, LA CUEVA VILLAGE, UNIT 2  
BARSTOW STREET N.E. DETOUR PLAN

Design Review Committee

APPROVED  
JUN 19 2  
CITY ENGINEER

**Last Design Update**

|                  |        |              |     |       |    |    |    |
|------------------|--------|--------------|-----|-------|----|----|----|
| City Project No. | 572985 | Zone Map No. | C19 | Sheet | 12 | Of | 12 |
|------------------|--------|--------------|-----|-------|----|----|----|

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