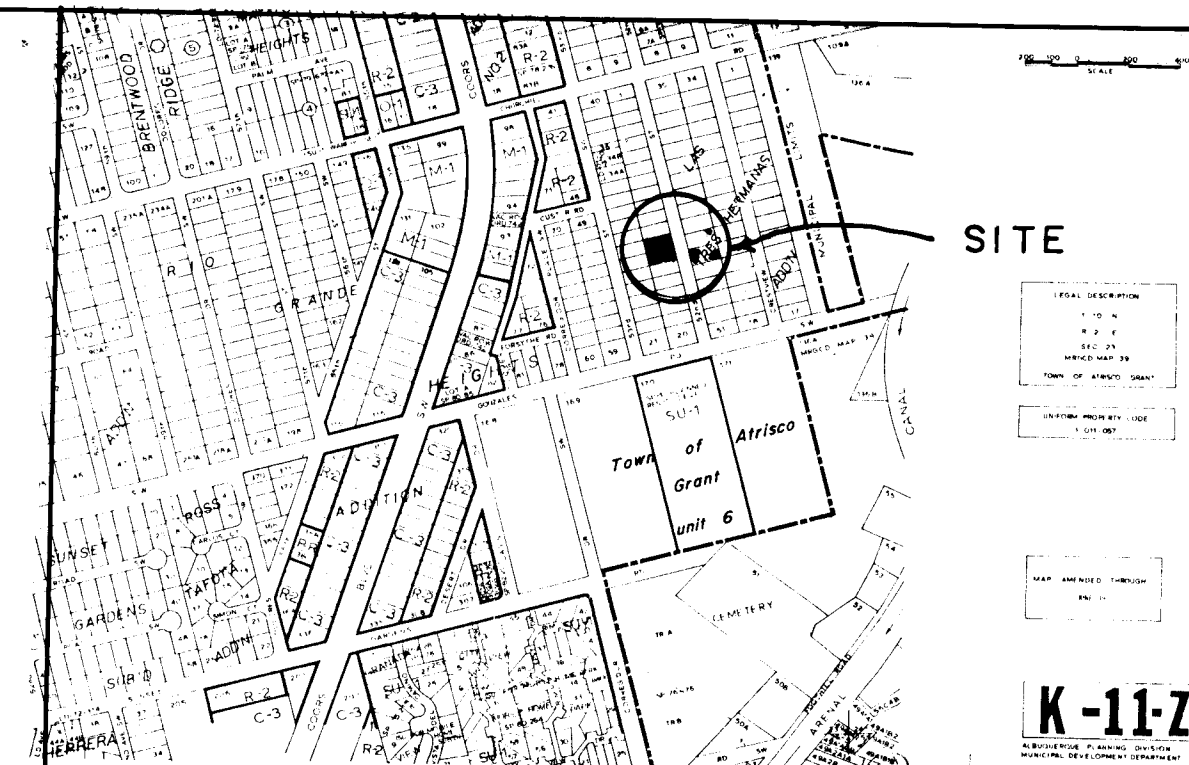


**WATER & SEWER MAINS  
EXTENDED TO LOT 13, 14 (413, 417 52nd St.)  
RIO GRANDE HEIGHTS  
AND LOT 46 (408 52nd St. SW)  
LAS TRES HERMANAS ADDITION**

INDEX

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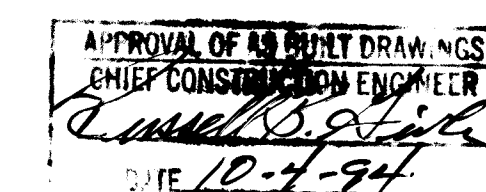
NOTICE TO CONTRACTORS

1. 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.
2. Two (2) working days prior to any excavation, the contractor must contact New Mexico One-Call System, 260-1990, for location of existing utilities.
3. 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 so that the conflict can be resolved with minimum amount of delay.
4. CONTRACTOR shall notify the ENGINEER not less than seven (7) days prior to starting work in order that the ENGINEER may take necessary measures to insure the preservation of survey monuments. Contractor shall not disturb permanent survey monuments without the consent of the ENGINEER and shall notify the ENGINEER and bear the expense of replacing any that may be disturbed without permission. Replacement shall be done only by the ENGINEER. When a change is made in the finished elevation of the pavement of any roadway in which a permanent survey monument is located, CONTRACTOR shall, at his own expense, adjust the monument cover to the new grade unless otherwise specified.

THE FOLLOWING NOTES ALSO APPLY  
WHEN CHECKED

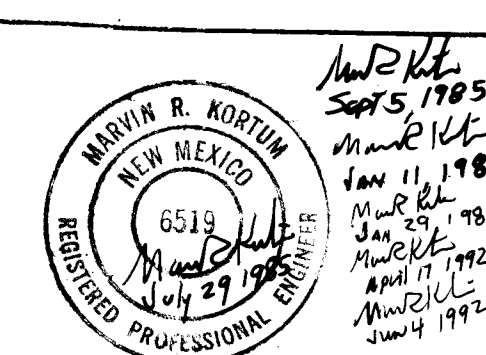
- ☐ All utilities and utility service lines shall be installed prior to paving
- ☒ Backfill compaction shall be according to specified street use RESIDENTIAL
- ☐ Tack coat requirements shall be determined by the City Engineer.
- ☐ Sidewalks and wheelchair ramps within the curb returns shall be constructed wherever a new curb return is constructed.
- ☐ If curb is depressed for a driveway or a handicap ramp, the driveway or ramp shall be constructed prior to acceptance of the curb and gutter.
- ☐ All storm drainage facilities shall be completed prior to final acceptance.

5. Three working days prior to construction, contractor shall submit to Construction Coordinating Division a detailed construction schedule. Two days prior to construction the contractor shall obtain a barricading permit from the Construction Coordinating Division. Contractor shall notify the Barricading Engineer (768-2551) prior to occupying an intersection. See paragraph 19 of the Specifications. All street stripping altered or destroyed shall be replaced in kind by the contractor to location and kind as existed, or as indicated by this plan set.



C of A FND Maps & Records  
216 2589 01 94

| REV                   | SHEETS | CITY ENGR. | DATE | USER | DEPT. | DATE | USER | DEPT. | DATE |
|-----------------------|--------|------------|------|------|-------|------|------|-------|------|
|                       |        |            |      |      |       |      |      |       |      |
| APPROVAL OF REVISIONS |        |            |      |      |       |      |      |       |      |



MARVIN R. KORTUM  
1605 SPEAKMAN DR. SE  
ALBUQUERQUE, NM 87123  
(505) 299-0774

APPROVED FOR  
CONSTRUCTION

CE

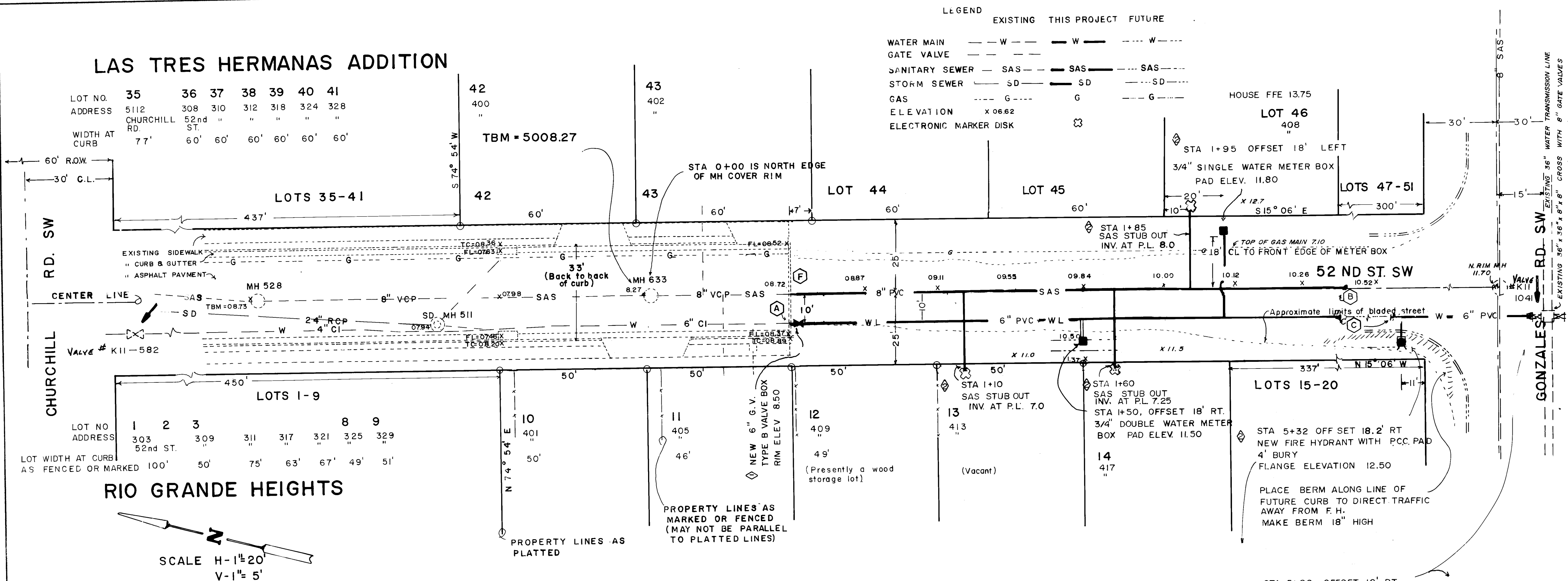
PROJECT  
NUMBER 2589

SHEET 1 OF 3









52 ND. ST. SW (NAME IS TEMPLETON ON ORIGINAL PLAT)

#### WATER MAIN SHUT-OFF REQUIREMENTS

The Contractor shall be responsible for timing and coordination of the Water Main shut-off requirements to construct this project.

At least three (3) working days prior to construction, Contractor shall contact the PWD/Water Systems Division (857-8200) to start this shut-off plan.

To complete the non-pressure connections shown, the existing valves listed below and marked with an arrow on the above map must be closed by PWD/Water Systems personnel.

K11 - 582  
K11 - 1041

#### NEW SAS SERVICES

| LOT NO. | STA  | INV. OF 8" MAIN | INV. OF 4" SVC. AT MAIN | INV. OF 4" SVC. AT P.L. | ESTIMATED BOTTOM OF CURB | SURFACE AT P.L. |
|---------|------|-----------------|-------------------------|-------------------------|--------------------------|-----------------|
| 13      | 0+00 | 5.47            | 6.38                    | 6.88                    | 8.22                     | 11.00           |
| 14      | 1+10 | 5.91            | 6.58                    | 7.08                    | 8.51                     | 11.50           |
| 46      | 1+37 | 6.02            | 6.69                    | 7.19                    | 8.66                     | 12.20           |

5020

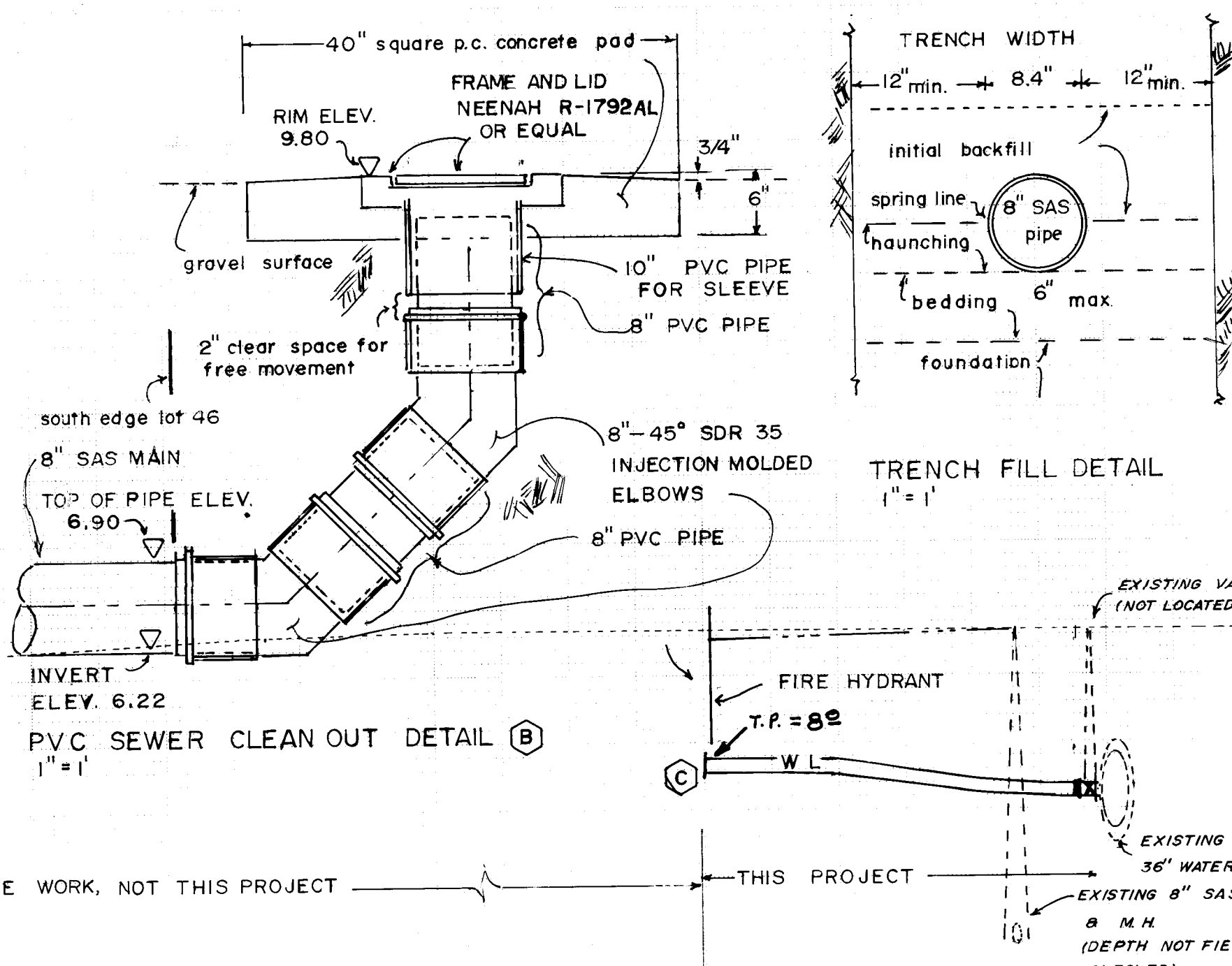
5015

5010

5005

5000

EXIST. ASPHALT SURFACE AT CENTER LINE  
EXIST. GRAVEL SURFACE AT CENTER LINE  
PCC CUT OFF WALL  
FUTURE STREET CL. PROJECTED AT SLOPE OF 0.0058 1/ft. (E)  
SAS  
W L  
135'-8" VCP S=.0030% (CITY AS-BUILT)  
50'-8" VCP S=.0040% (CITY SECTIONAL)  
THIS PROJECT  
SAS 18" 8" PVC SDR 35 S=.0040% (BASE STARTING INVERT ON EXIST. PIPE AS FOUND) ESTIMATED INV.=5.47  
FUTURE WORK, NOT THIS PROJECT  
THIS PROJECT  
50'-6" PVC G 150 W. MAIN ELEV. NOTE (D) CONNECT TO EXISTING GATE VALVE



#### WATER LINE

Refer to the following Standard Details

- 2301 Water Connection Details
- 2315 Pipe Trench Terminology
- 2320 Concrete Blocking Design
- 2340 Fire Hydrant Installation Details on Typical Fire Hydrant
- 2347 Locations
- 2360 Meter Box Location
- 2361 Typical Meter Box Installations
- 2362 Metered Service Line Installation
- 2366 Double Meter Box for 3/4" and 1" Meters
- 2363 Meter Box Cover and Lid
- 2326 VALVE BOX TYPE B
- 2333 WATER VALVE ANCHORAGE

#### SEWER LINE

Refer to the following Standard Details

- 2101 Manhole Type C
- 2107 Conc. MH Cover Type C
- 2125 Service Line Details
- 2145 Sewer Line Dead End Marker

All Utilities

Place Electronic Marker Disks as specified in Section 170

- (A) REMOVE EXISTING CAPS & BLOCKING FROM ENDS OF LINES. REMOVE AS MUCH OF CUT-OFF CURB AS NECESSARY TO HAVE ACCESS TO THE PIPES. CONNECT NEW PIPES TO EXISTING PIPES. PLACE & COMPACT BACK FILL. CONSTRUCT CUT OFF CURB AND ASPHALT PAVEMENT TO REPLACE MATERIALS THAT WERE REMOVED OR DAMAGED
- (B) INSTALL PVC SEWER CLEAN OUT
- (C) CAP AND BLOCK END OF WATER MAIN

Connect the new water mains to the existing water mains at the locations as shown. Bring the new water mains to an elevation of the top of the pipe of 3.75 to 4.00 feet below the existing gravel surface.

Future street slope is estimated based on the elevation of the manhole on Gonzales Road and the elevation of the existing pavement at the cutoff wall. ((11.70-5.72)/517)=.0058

To connect 8" PVC SDR 35 pipe to 8" Vitrified Clay Pipe (VCP), use Fernco 1002-88 Flexible Coupling or equal. If VCP has a bell end, cut pipe back to an unbroken, even end of pipe. Prior to coupling of pipes, complete compaction of foundation and bedding to the elevation on which the PVC pipe will rest, with just sufficient clearance to permit placing the Flexible Coupling. Slide the Flexible Coupling over plain spigot ends of both VCP and PVC pipe. Check that invert surface of both pipes match. Tighten stainless steel binding clamps. Place and compact gravel material in the haunching area to the springline elevation. Conduct pressure test for leakage prior to concealing joint.

Backfill for the bedding, haunching and initial backfill areas will be clean, coarse gravel with maximum particle size of 1.5 inches. Excavated material which meets this criteria may be used. Foundation, if disturbed, and bedding areas will be compacted to 95% maximum dry density to required grade prior to installing PVC pipe. After pipe is installed to grade, haunching areas shall be filled and compacted, taking care that the pipe does not rise from required grade. The initial backfill area shall then be backfilled and compacted. Haunching and initial backfill areas shall be compacted to 95% of maximum dry density.

CITY OF ALBUQUERQUE  
MUNICIPAL DEVELOPMENT DEPARTMENT  
ENGINEERING DIVISION

TITLE WATER & SEWER MAINS EXTENDED TO LOTS 13, 14  
RIO GRANDE HEIGHTS (409, 413) 52ND ST SW &  
LOT 46, LAS TRES HERMANAS ADDITION (408) 52 ND ST

| APPROVALS     | ENGINEER          | DATE   | APPROVALS     | ENGINEER          | DATE   |
|---------------|-------------------|--------|---------------|-------------------|--------|
| City Engineer | Rogelio R. Cortez | 6-5-92 | City Engineer | Rogelio R. Cortez | 6-5-92 |
| ACE Design    | Rogelio R. Cortez | 6-5-92 | ACE Design    | Rogelio R. Cortez | 6-5-92 |
| ACE Hydrology | Rogelio R. Cortez | 6-5-92 | ACE Hydrology | Rogelio R. Cortez | 6-5-92 |

DRAWING NO. 2589 MAP NO. K-11 SHEET 3 OF 3