

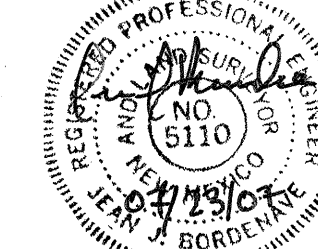


## UTILITY COMPANY CONTACTS

| BUSINESS                                                                  | PHONE/E-MAIL                                                                                                     | PERSON                                          |
|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| City of Albuquerque<br>P.O. Box 1293<br>Alb., NM 87102                    | Office phone: (505)768-2729<br>Office fax: (505)768-3629<br>nmusinski@cabaq.gov                                  | Nancy Musinski<br>Sr. Engr., Utilities Dev.     |
| AT&T<br>111 3rd Street NW<br>Alb., NM 87103                               | Office phone: (505)842-2911<br>Office fax: (505)842-2890<br>dcrowell@att.com                                     | David Crowell<br>Resource Supervisor            |
| Comcast<br>4611 Montbel NE<br>Alb., NM 87107                              | Office phone: (505)761-6235<br>Office fax: (505)761-0599<br>rita_erickson@cable.comcast.com                      | Rita Erickson<br>Planning and Design Supervisor |
| Xspedius Management Co.<br>505 Marquette NW, Suite 1605<br>Alb., NM 87102 | Office phone: (505)998-2220<br>Office fax: (505)345-6559<br>steve.merrill@xspedius.com                           | Steve Merrill                                   |
| BCG Assets<br>721 4th Street NW<br>Alb., NM 871                           | Office phone: (505)243-2153<br>Office fax: (505)314-0900<br>john@bcgassets.com                                   | John Brown<br>Operations Manager                |
| MCI Worldcom<br>6001 Midway Park NE<br>Alb., NM 87109                     | Office phone: (505)346-4470<br>Office fax: (505)346-4481<br>andy.darnell@mci.com                                 | Andy Darnell<br>Operations Manager              |
| McLeod USA<br>505 Marquette NW, Suite 1600<br>Alb., NM 87102              | Office phone: (505)244-3161<br>Office fax: (505)244-0094<br>Cell Phone: (505)228-3329<br>rdmueller@mcleodusa.com | Rick Mueller<br>Supervisor of Outside Techs.    |
| New Mexico Utilities<br>4700 Irving NW, Suite 201<br>Alb., NM 87114       | Office phone: (505)898-2661<br>Office fax: (505)898-6379<br>sbates@ecoresources.com                              | Steve Bates                                     |
| PNM-Electric<br>4201 Edith NE MS-ES61<br>Alb., NM 87107                   | Office phone: (505)241-3581<br>Office fax: (505)241-0559<br>jhill@pnm.com                                        | Jim Hill                                        |
| PNM-Gas<br>4625 Edith NE<br>Alb., NM 87107                                | Office phone: (505)241-7752<br>Office fax: (505)241-7740<br>kbouska@pnm.com                                      | Kelly Bouska<br>District Engineer               |
| Time-Warner Telecom<br>3830 Singer NE, Suite 1000<br>Alb., NM 87109       | Office phone: (505)938-7339<br>Office fax: (505)938-7380<br>Royal.Harrison@twtelcom.com                          | Royal Harrison<br>Plant Manager                 |
| Qwest<br>400 Tijeras NW, Room 710<br>Alb., NM 87102                       | Office phone: (505)245-8352<br>Office fax: (505)245-6733<br>michael.velarde@qwest.com                            | Michael Velarde<br>Manager Engineering          |
| Qwest Long Distance<br>400 Tijeras NW, Suite 570<br>Alb., NM 87102        | Office phone: (505)246-0501<br>Office fax: (505)246-0479<br>larry.kelly@qwest.com                                | Larry Kelly<br>Senior Operations Tech.          |

1. All work detailed on these plans to be performed under this contract shall, except as otherwise stated or provided for herein, be constructed in accordance with the details and specifications of "City of Albuquerque Standard Specifications for Public Works Construction, 1986 Edition" as amended through update No. 7.
2. Five (5) working days prior to beginning utility construction, the Contractor shall submit to Construction Coordination Division a detailed construction schedule. Two (2) working days prior to the start of construction, the Contractor shall obtain a barricading permit from the Village of Los Ranchos and Contractor shall notify the Construction Coordination Engineer (924-3400) prior to occupying any intersection. Refer to Section 19 of the General Conditions of the Standard Specifications.
3. An Excavation Permit and Grading and Paving Permit will be required before beginning any work within Village right-of-way.
4. Two working days prior to any excavation, the Contractor shall contact the New Mexico One Call System, 260-1990, for location of existing lines.
5. All street striping altered or destroyed shall be replaced with plastic reflectorized pavement markings by the Contractor. Striping shall be placed in the pre-construction location or as indicated by this plan set.
6. Prior to construction, the Contractor shall excavate and verify the horizontal and vertical location of all obstructions including existing utilities. Should a conflict exist, the Contractor shall notify the Engineer or Surveyor so that the conflict can be resolved with a minimum amount of delay.
7. Contractor shall coordinate with Water Systems Division (857-8200) seven working days in advance of any work that may affect existing public water or sewer utilities. Existing valves to be operated by New Mexico Utility personnel only. Contractor shall contact Water Systems Division seven working days prior to needing valves turned on or off.
8. All water lines to be PVC C900 and all sanitary sewer lines are to be PVC SDR 35 or Schedule 40 pipe.
9. The Contractor will not be allowed to use Class IV or V soils for embedment of flexible pipe. The Contractor will not be allowed to defect joints in flexible pipe. Any deflections required to meet horizontal or vertical alignment will be achieved between joints.
10. Back fill compaction requirements shall be according to residential street use.
11. The Contractor shall assume responsibility for any damage to existing pavement, pavement markings, curb and gutter, driveways, wheel chair ramps and sidewalk during construction, apart from those sections indicated for removal on the plans; and shall repair or replace damaged items per City of Albuquerque standards at the Contractor's own expense.
13. Contractor shall record data on all utility lines and accessories as required by the City of Albuquerque for the preparation of "As Constructed" drawings. Contractor shall not cover utility lines and accessories until all data has been recorded.
14. All existing signs, markers, delineators, etc., within the construction limits shall be removed, stored and reset by the Contractor.
15. The 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 City Surveyor.
16. The Contractor will be responsible for disposing of all debris, including but not limited to hazardous waste at disposal sites approved by governmental agencies regulating the disposal of such materials.
17. All excavation will be governed by Federal State and Local laws, rules and regulations concerning construction safety and health.
18. All signs and coding will be in accordance with the "Manual of Uniform Traffic Control Devices" 2003 Edition.
19. Contractor will make all water valves and manholes accessible to City of Albuquerque at all times.
20. Contractor will confine his work, equipment, supplies and employee parking within the designated construction limits and/or public right-of-way.
21. The Contractor agrees to take necessary safety precautions as required by Federal, State and Local Authorities to protect pedestrian and vehicular traffic in the construction area, which includes but is not limited to: maintaining adequate warning signs, barricades, lights, guard fences, walks and bridges.
22. All excavating, trenching and shoring activities must be carried out in accordance with OSHA 29CFR 1926.650, Subpart P.
23. The Contractor shall perform all work in accordance with the National Pollutant Discharge Elimination System (NPDES) and site specific Storm Water Pollution Prevention Plan (SWPPP) requirements.

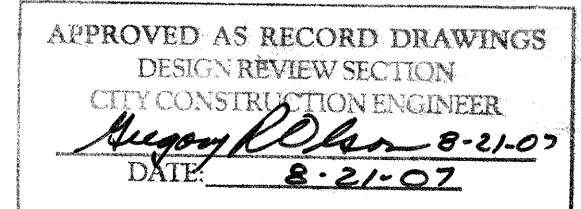
I, Jean J. Bordenave, of the firm of Bordenave designs, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to The best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direct supervision and survey information provided by Dex J. Valdez, NMPS number 10466.



| APPROVAL               | NAME               | DATE        | APPROVAL ITEM      |
|------------------------|--------------------|-------------|--------------------|
| VILLAGE OF LOS RANCHOS | <i>[Signature]</i> | 31 Jan 2007 | Bonita Rosas Drive |

[illegible]

| SHEET NO. | SHEET DESCRIPTION                     |
|-----------|---------------------------------------|
| 1         | COVER SHEET                           |
| 2-3       | PLAT                                  |
| 4         | SUBDIVISION GRADING AND DRAINAGE PLAN |
| 5         | PAVING LAYOUT                         |
| 6         | PAVING PLAN & PROFILE SHEET           |
| 7         | WATER & SEWER LAYOUT                  |
| 8         | WATER & SEWER PLAN & PROFILE SHEET    |



NOTE:  
THIS SITE DOES NOT HAVE SANITARY SERVICE AS OF THE DATE OF THESE PLANS. A TEMPORARY HOLDING TANK SHALL BE INSTALLED WITH EACH HOUSE AS IT IS CONSTRUCTED. THE HOLDING TANK SHALL BE REMOVED AND THE HOUSE SHALL BE CONNECTED TO THE SANITARY SEWERY SYSTEM UPON IT'S BECOMING AVAILABLE.  
CONNECTION OF SITE SAS TO RIO GRANDE SAS BY OTHERS.



**BORDENAVE DESIGNS**  
P.O. BOX 91194, ALBUQUERQUE, NM 87199  
(505) 823-1344 FAX (505) 821-9105

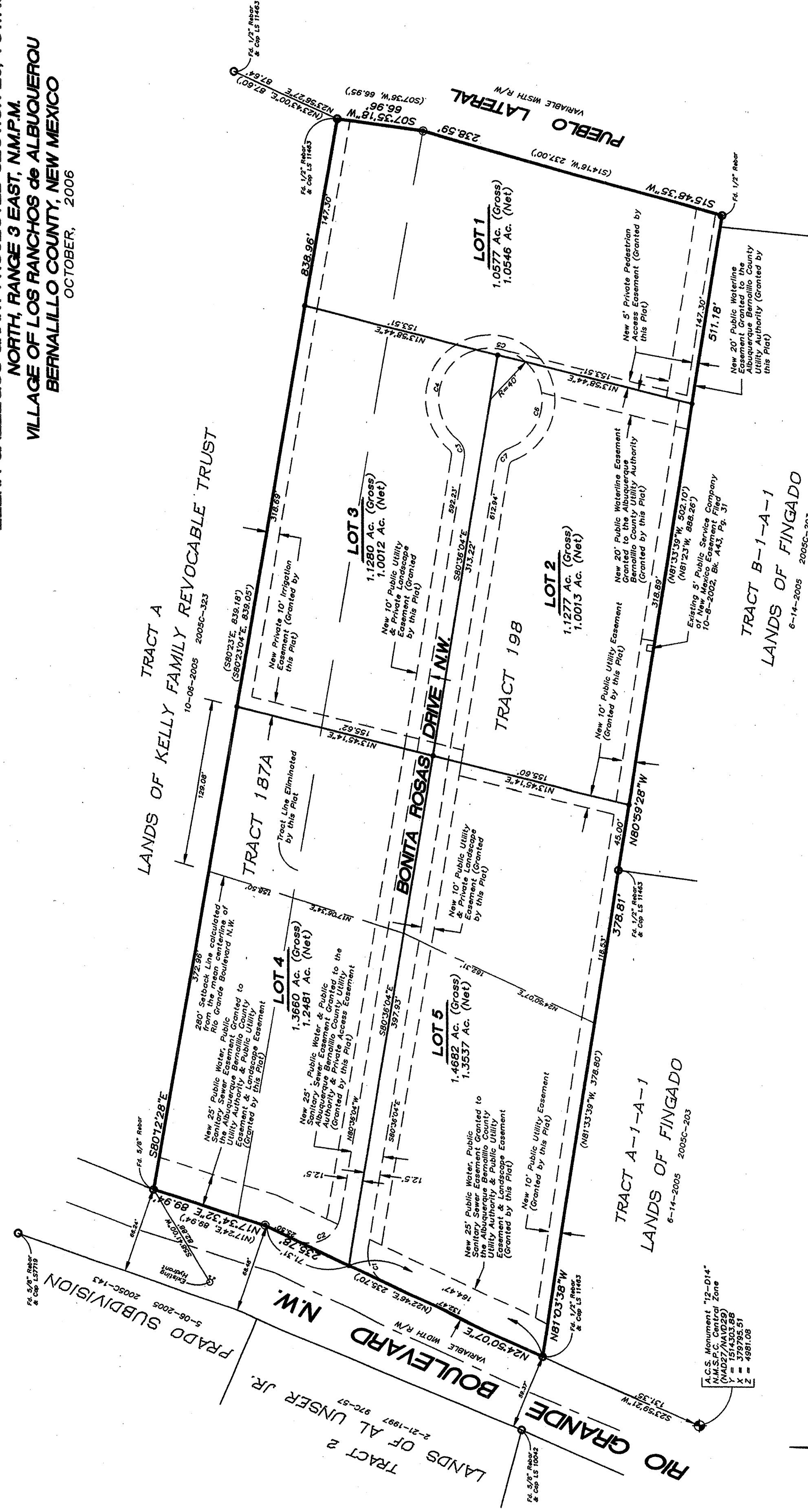
| REV.                                                                                  | SHEETS | CITY ENGR.       | DATE                    | USER DEPT.  | DATE                                        | USER DEPT. | DATE |
|---------------------------------------------------------------------------------------|--------|------------------|-------------------------|-------------|---------------------------------------------|------------|------|
|  |        | <b>APPROVAL</b>  | <b>ENGINEER</b>         | <b>DATE</b> | <b>APPROVED FOR CONSTRUCTION</b>            |            |      |
|                                                                                       |        | DRC CHAIRMAN     | <i>[Signature]</i>      | 2-5-07      |                                             |            |      |
|                                                                                       |        | TRANSPORTATION   |                         |             |                                             |            |      |
|                                                                                       |        | WATER/WASTEWATER | <i>William G. Velez</i> | 2/24/07     |                                             |            |      |
|                                                                                       |        | HYDROLOGY        |                         |             |                                             |            |      |
|                                                                                       |        |                  |                         |             |                                             |            |      |
|                                                                                       |        |                  |                         |             |                                             |            |      |
|                                                                                       |        |                  |                         |             |                                             |            |      |
|                                                                                       |        | CONSTR. MNGMT.   |                         |             | <i>[Signature]</i> 3-07-07<br>ENGINEER DATE |            |      |
|                                                                                       |        | CONSTR. COORD.   |                         |             |                                             |            |      |
| <b>CITY PROJECT NO. 797581</b>                                                        |        |                  |                         |             | <b>SHEET 1 OF 8</b>                         |            |      |







**PLAT FOR  
LOTS 1 THRU 5  
BONITA ROSAS SUBDIVISION  
(BEING A REPLAT OF TRACTS 1874 & 198, MRGCD MAP 27)  
WITHIN  
ELENA GALLEGOS GRANT PROJECTED SECTION 20, TOWNSHIP 11  
NORTH, RANGE 3 EAST, NMP/M  
VILLAGE OF LOS RANCHOS DE ALBUQUERQUE  
BERNALILLO COUNTY, NEW MEXICO  
OCTOBER, 2006**



| CURVE TABLE |        |        |                  |        |             |
|-------------|--------|--------|------------------|--------|-------------|
| CURVE       | LENGTH | RADIUS | TANGENT TO CHORD | CHORD  | DELTA       |
| C1          | 32.53' | 25.00' | 19.93'           | 30.28' | 74°53'12"   |
| C2          | 46.91' | 25.00' | 32.84'           | 38.78' | N27°32'02"E |
| C3          | 15.71' | 15.00' | 8.66'            | 15.00' | N27°32'02"E |
| C4          | 87.48' | 40.00' | 77.34'           | 71.06' | S89°33'21"W |
| C5          | 40.89' | 40.00' | 22.43'           | 39.13' | N77°52'10"W |
| C6          | 81.08' | 40.00' | 64.19'           | 67.90' | S13°58'44"E |
| C7          | 40.89' | 40.00' | 22.43'           | 39.13' | N77°52'10"W |
| C8          | 81.08' | 40.00' | 64.19'           | 67.90' | S13°58'44"E |
| C9          | 40.89' | 40.00' | 22.43'           | 39.13' | N77°52'10"W |
| C10         | 81.08' | 40.00' | 64.19'           | 67.90' | S13°58'44"E |

**CORNER LEGEND**

● SET 5/8" REBAR OR CONCRETE NAIL WITH CAP OR BRASS DISK MARKED "HUGG LS 9750" OR "HUGG LS 11808"

○ FOUND PROPERTY CORNER AS INDICATED

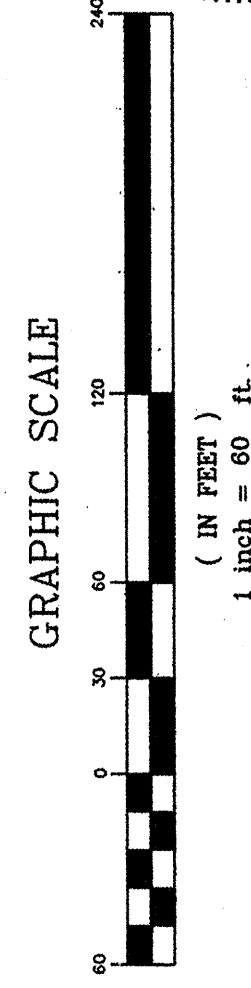
## EASEMENT NOTES

*Public Water and Public Sanitary Sewer Easements are granted to the Albuquerque Bernalillo County Utility Authority by this plat.*

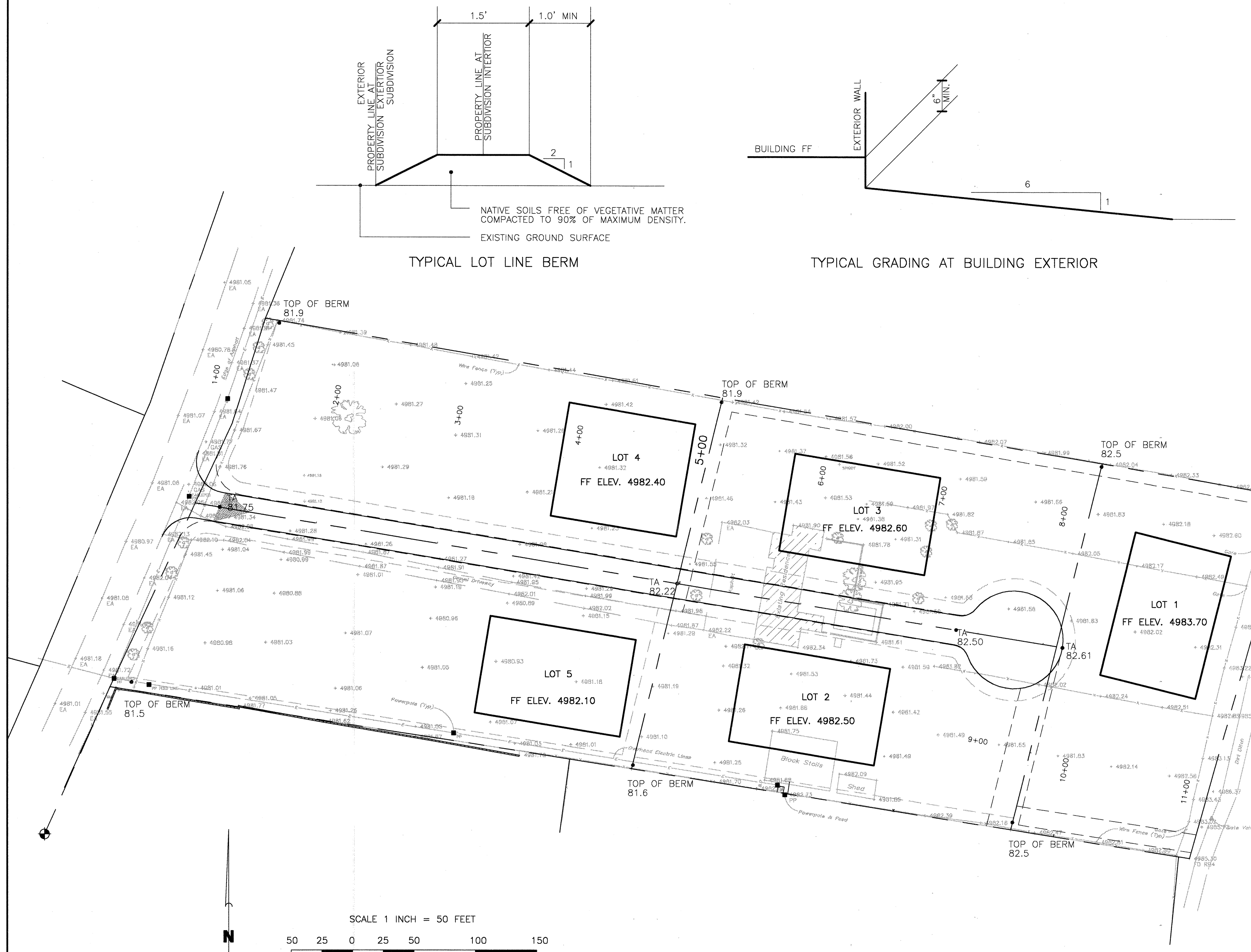
*Private Access, Private Pedestrian Access, Private Landscape and Private Irrigation Easements as shown hereon are to be operated and maintained by, and granted to, the Bonta Kasas Homeowners Association (to be formed).*

*See Sheet 1 for additional easement notes.*

A circular professional seal for a surveyor. The outer ring contains the text "PROFESSIONAL SURVEYOR" at the top and "NEW MEXICO" at the bottom. Inside this ring, the text "STATE OF" is on the left and "RUSS P. HUGG" is on the right. In the center of the seal, it says "No. 5759".







## LEGAL DESCRIPTION

LOTS 1 THRU 5, BONITA ROSAS SUBDIVISION

## PERMANENT BENCHMARK

ACS 12-D14                      ELEVATION 4981.082

## GRADING CERTIFICATION

I, Jean J. Bordenave, New Mexico Professional Engineer and Land Surveyor No. 5110, hereby certify that I have personally inspected the property shown hereon and that it appears that no grading, filling or excavation has occurred thereon since the contour map shown hereon was prepared.

Jean J. Bordenave , NM PE & PS No. 5110

## GENERAL NOTES

1. THE SUBDIVISION STORM DRAINAGE IS DESIGNED TO RETAIN, ON EACH LOT, 100% OF THE 10 DAY STORMWATER GENERATION ON SAID LOT. FINISH FLOOR ELEVATIONS SHALL BE SET TO PROVIDE A MINIMUM OF 0.5 FEET BETWEEN THE STORMWATER ELEVATION AND THE LOWEST FINISH FLOOR HAVING DIRECT ACCESS TO THE AREA OUTSIDE THE BUILDING. THE GRADING AND DRAINAGE IS BASED ON A TOTAL IMPERVIOUS AREA ON EACH LOT OF 12000 SQ. FT. IN ADDITION TO BONITA ROSAS DRIVE AND RIO GRANDE BLVD. LOT DESIGNS THAT HAVE MORE THAN THIS AMOUNT OF IMPERVIOUS AREA SHALL HAVE A SUPPLEMENTAL GRADING AND DRAINAGE PLAN PREPARED AND IT SHALL BE APPROVED BY THE PROPER AUTHORITIES. THE SUPPLEMENTAL PLAN SHALL PROVIDE FOR ADDITIONAL PONDING. NO PONDS SHALL BE MORE THAN 0.5 FT. DEEP AND NO INFILTRATION/PERCOLATION (OTHER THAN THAT SHOWN IN THE CALCULATIONS HEREIN) SHALL BE CONSIDERED IN CALCULATING THE POND DETENTION CAPACITY. PADS SHALL BE INSTALLED AT THE TIME EACH RESIDENCE IS DESIGNED AND EACH PAD SHALL BE CUSTOM GRADED TO FIT THE BUILDING CONFIGURATION. FINISH FLOOR ELEVATIONS SHOWN ON THIS PLAN SHALL BE MINIMUM FINISH FLOOR ELEVATIONS.

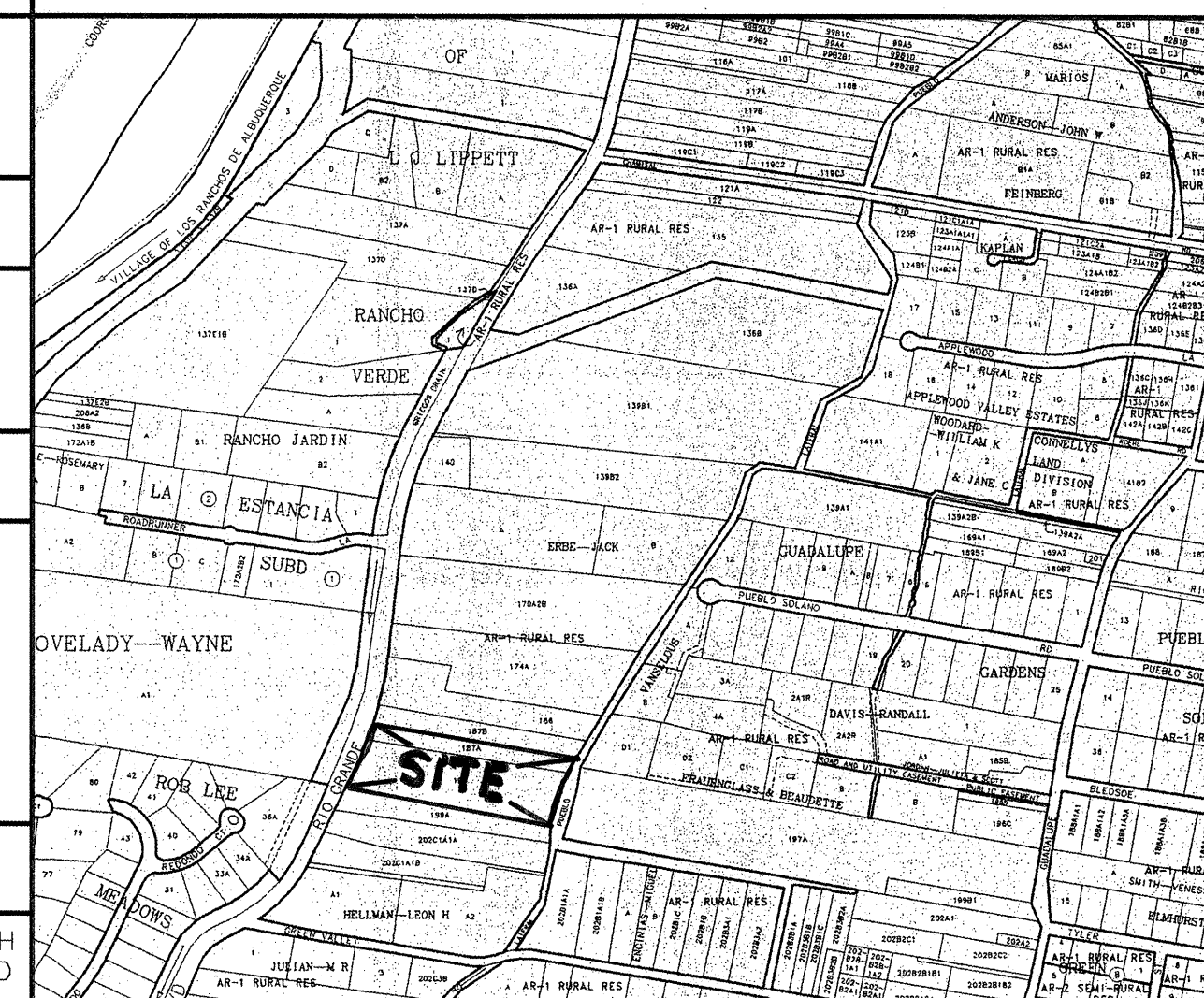
BUILDING PADS FOR TOWN ON THIS PLAN ARE FOR ILLUSTRATION ONLY. ACTUAL BUILDING LOCATIONS MAY VARY WITHIN THE FOLLOWING PARAMETERS. THERE SHALL BE A 25 FEET SETBACK FROM ALL FRONT AND REAR LOT LINES. THERE SHALL BE A 37.5 FOOT SETBACK FROM THE CENTERLINE OF BONITA ROSAS DRIVE. THERE SHALL BE A 10 FOOT SETBACK FROM ALL SIDE LOT LINES EXCEPT THAT THE EAST SIDE LOT LINE SETBACK OF LOTS 2 AND 3 SHALL BE 25 FEET AND 280 FEET FROM THE CENTERLINE OF RIO GRANDE BLVD FOR LOTS 4 AND 5.

2. ALL LOTS SHALL MAINTAIN, TO MAXIMUM EXTENT POSSIBLE, THEIR EXISTING BASE LEVEL. EACH LOT SHALL HAVE A 6" HIGH BY 1.5 FOOT TO 2" WIDE EARTH BERM ON SIDE AND REAR PROPERTY LINES. LOTS 1, 2, 3, 4 & 5 SHALL HAVE A SIMILAR BERM ON IN THE WESTERLY LOT LINE. BERMS SHALL BE SPLIT AT COMMON LOT LINES AND SHALL BE ENTIRELY ON THE LOT AT SUBDIVISION BOUNDARIES.

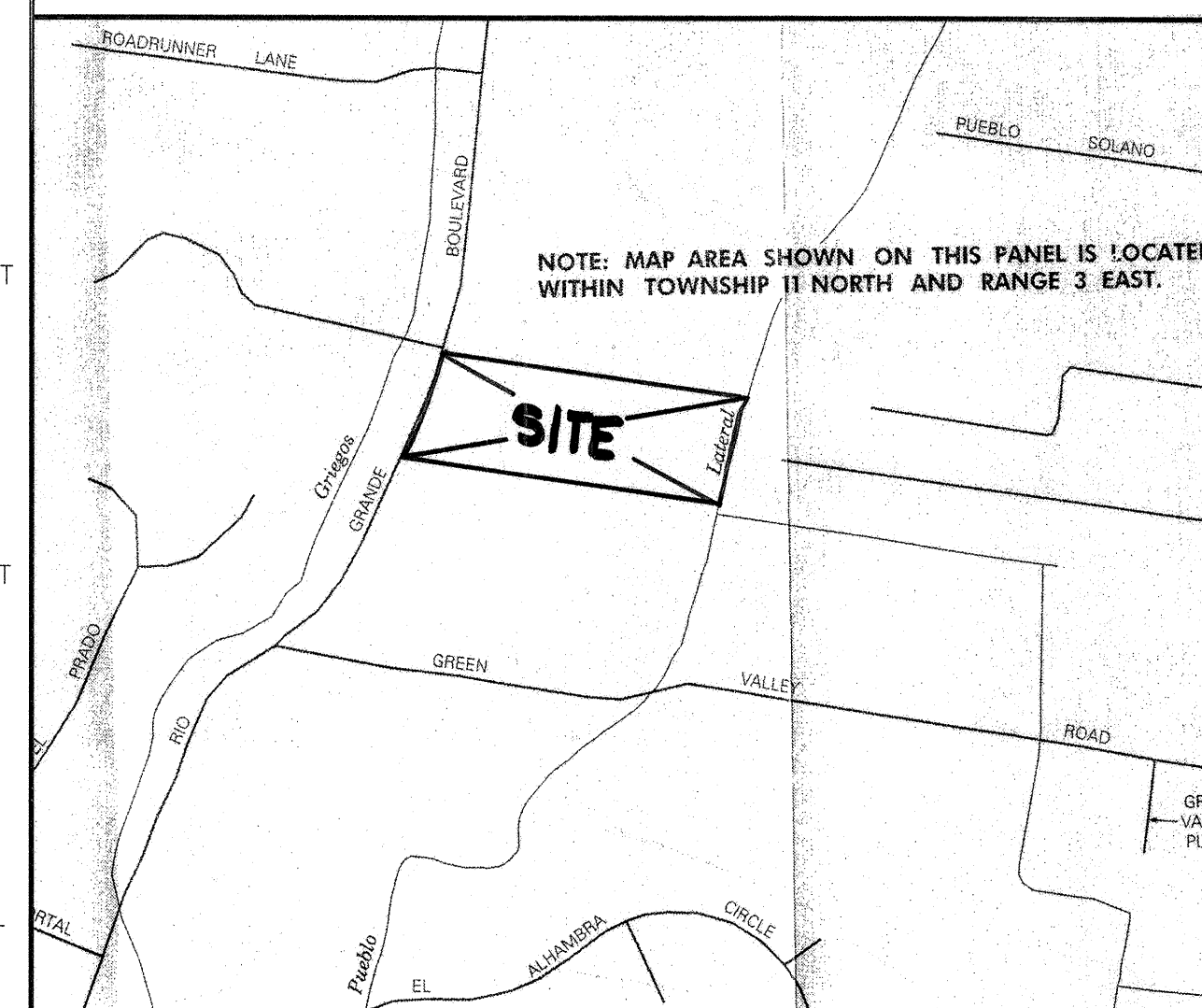
3. THE STREET SHALL SERVE AS A BERM AND IS DESIGNED SUCH THAT THE CROWN OF THE STREET IS A MINIMUM OF 0.5 FEET ABOVE THE ADJACENT BASE LEVEL.

## LEGEND

|     |                        |
|-----|------------------------|
| TBM | TEMPORARY BENCHMARK    |
| FF  | FINISH FLOOR           |
| FG  | FINISH GRADE           |
| FL  | FLOWLINE               |
| TA  | TOP OF ASPHALT         |
| TCP | TOP OF CONCRETE        |
| TC  | TOP OF CURB            |
| TP  | TOP OF EARTH PAD       |
| TS  | TOP OF SIDEWALK        |
| TW  | TOP OF WALL            |
| FH  | FIRE HYDRANT           |
| WM  | WATER METER            |
| WV  | WATER VALVE            |
| MH  | MANHOLE                |
| CB  | CATCH BASIN GRATE      |
| GM  | GAS METER              |
| GV  | GAS VALVE              |
| LP  | LIGHT POLE             |
| PP  | POWER POLE             |
| GW  | GUY WIRE               |
| PED | ELEC. OR TEL. PEDESTAL |
| RD  | ROOF DRAINAGE POINT    |

**VICINITY MAP NO. D-14**

**FEMA FIRM PANEL NO. 117**



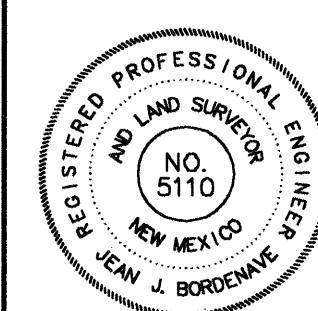
## GRADING NOTES

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT THE NEW MEXICO ONE CALL SYSTEM AT 260-1990 FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE VILLAGE OF LOS RANCHOS STANDARDS AND PROCEDURES.

### EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO PUBLIC RIGHT-OF-WAY OR PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY THE CONSTRUCTION OF TEMPORARY SOIL BERMS OR SILT FENCES AT PROPERTY LINES AND BY SOIL TO PREVENT IT FROM BLOWING.
2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY.
3. THE CONTRACTOR SHALL SECURE ALL APPLICABLE PERMITS PRIOR TO BEGINNING CONSTRUCTION.

|           |      |         |    |
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| REVISIONS |      |         |    |



project title  
**BONITA ROSAS SUBDIVISION  
RIO GRANDE BLVD.  
VILLAGE OF LOS RANCHOS**

sheet title  
**GRADING AND DRAINAGE**

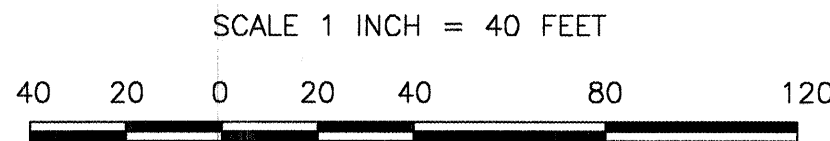
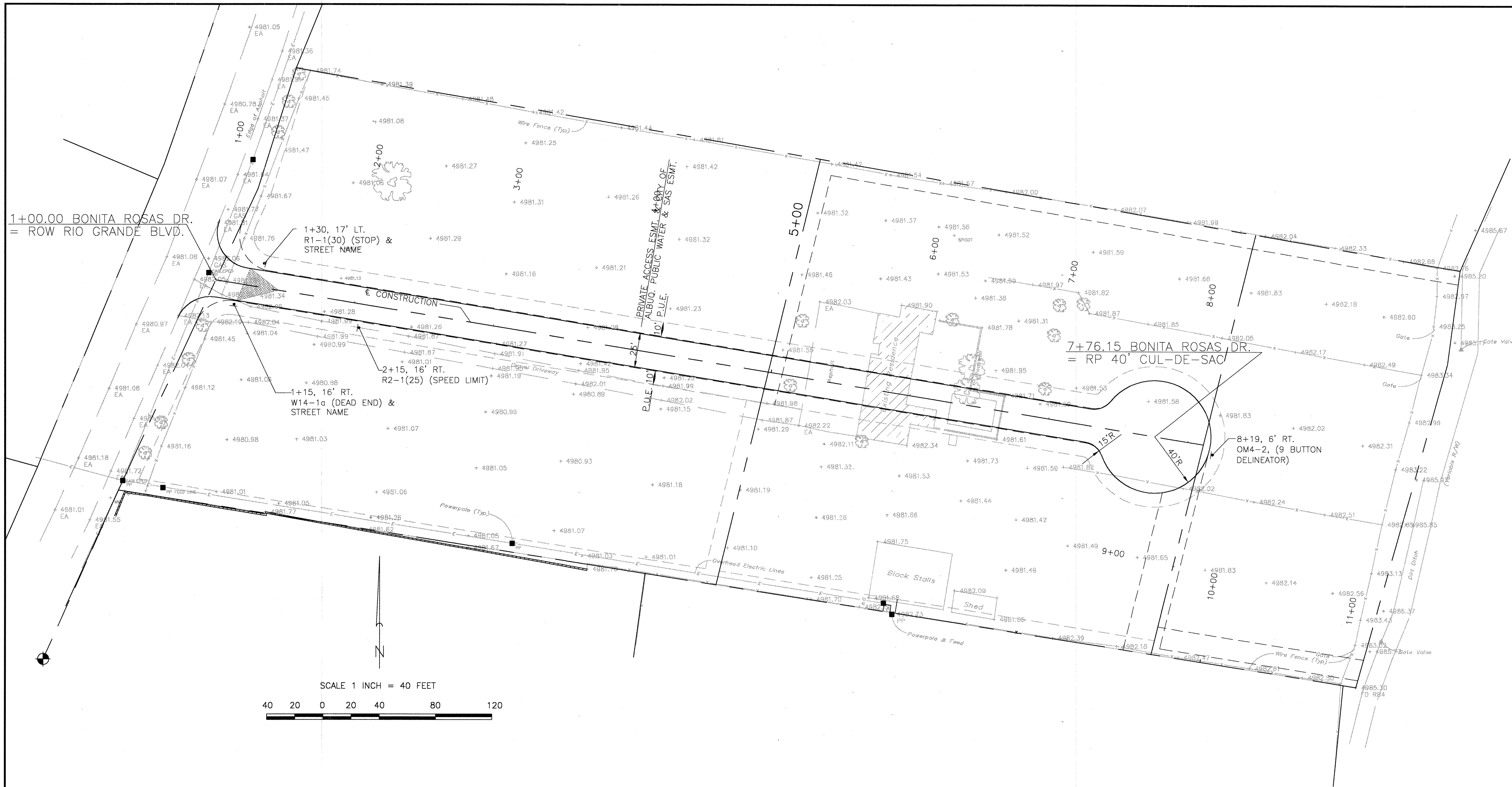
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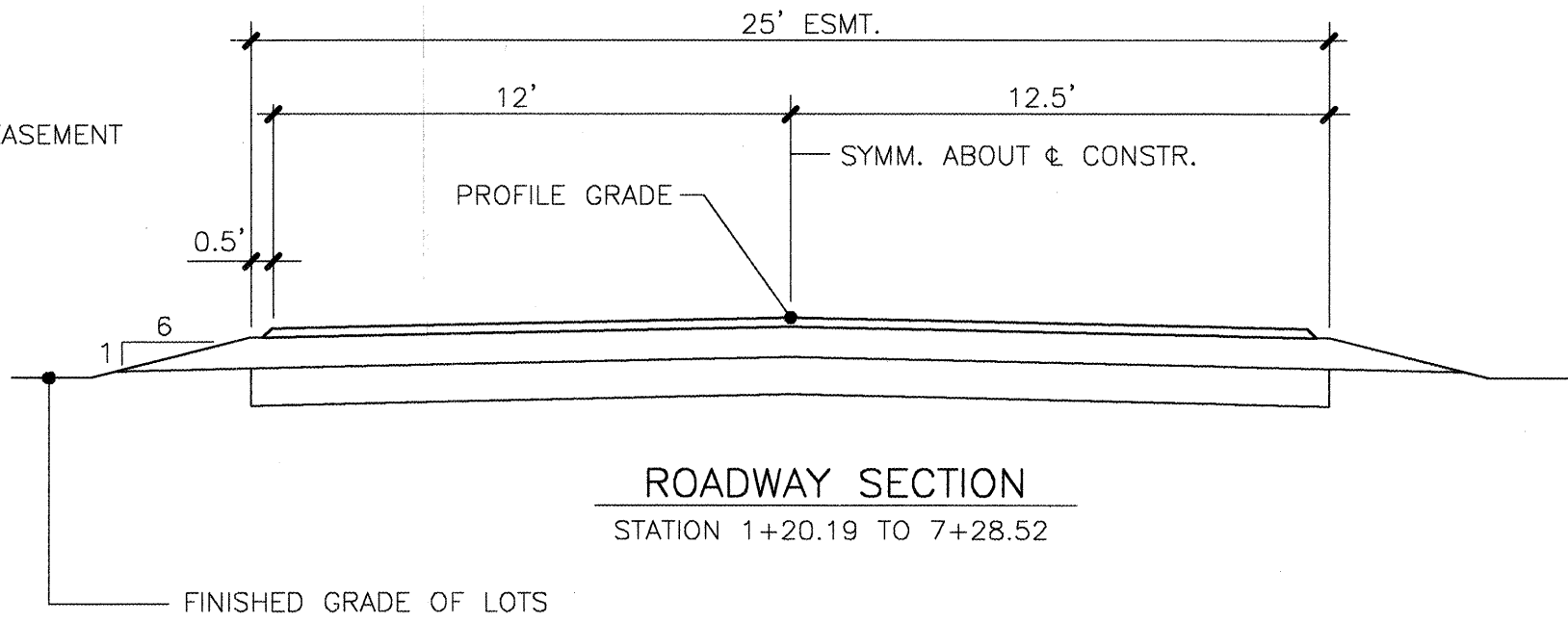
**BORDENAVE DESIGNS**  
P.O. BOX 91194, ALBUQUERQUE, NM 87199  
(505)823-1344 FAX (505)821-9105

sheet  
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of 8

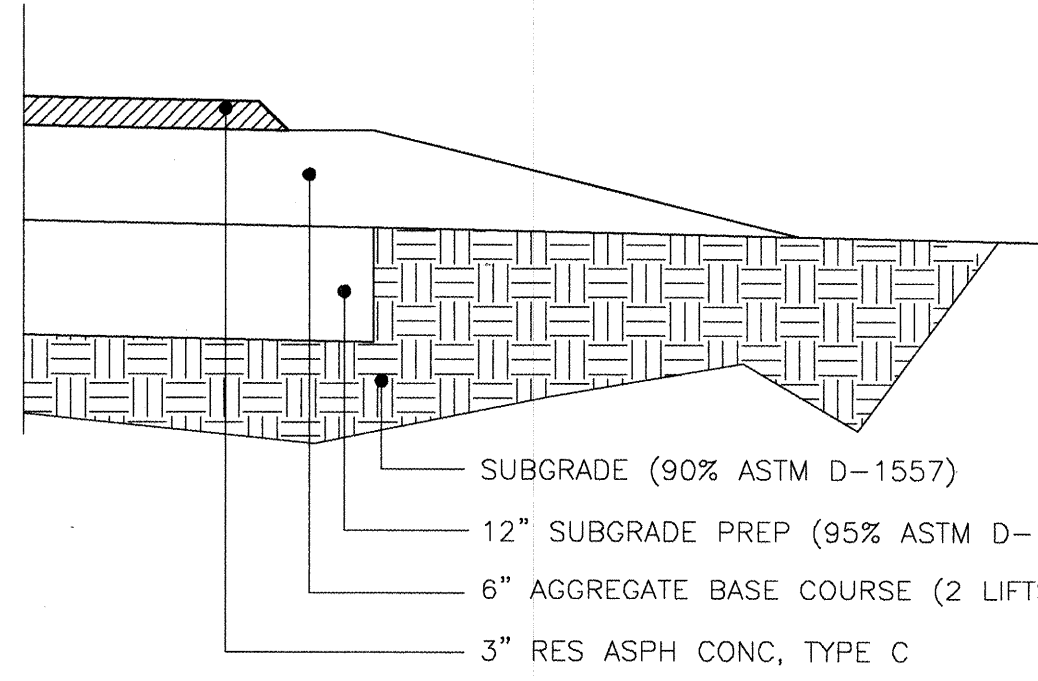




NOTE:  
EXTEND ASPHALT TO EASEMENT  
LINE IN CUL-DE-SAC.



ROADWAY SECTION  
STATION 1+20.19 TO 7+28.52



PAVING SECTION

| ENGINEER'S SEAL |        |  |          | SURVEY INFORMATION |       |  |                                               | BENCH MARKS |                                                                                                                            |     |                        | AS BUILT INFORMATION |      |  |  |
|-----------------|--------|--|----------|--------------------|-------|--|-----------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------|-----|------------------------|----------------------|------|--|--|
|                 | NO.    |  | BY       |                    | DATE  |  | ACS 12-D14                                    |             | ELEVATION 4981.082 (NGVD 1929)                                                                                             |     | CONTRACTOR             |                      | DATE |  |  |
|                 | 060501 |  | SURV-TEK |                    | 06/06 |  | ACS ALUMINUM DISK ON ALUMINUM PIPE PROJECTING |             | 0.3' ABOVE GROUND. THE POINT IS LOCATED ON THE EAST SIDE OF RIO GRANDE BLVD. APPROX 0.11 MILES NORTH OF GREEN VALLEY ROAD. |     | INSPECTOR'S            |                      | DATE |  |  |
|                 |        |  |          |                    |       |  |                                               |             |                                                                                                                            |     | FIELD                  |                      | DATE |  |  |
|                 |        |  |          |                    |       |  |                                               |             |                                                                                                                            |     | VERIFICATION BY        |                      | DATE |  |  |
|                 |        |  |          |                    |       |  |                                               |             |                                                                                                                            |     | DESIGNED BY            |                      | DATE |  |  |
|                 |        |  |          |                    |       |  |                                               |             |                                                                                                                            |     | MICRO-FILM INFORMATION |                      |      |  |  |
|                 |        |  |          |                    |       |  |                                               |             |                                                                                                                            |     | RECORDED BY            |                      | DATE |  |  |
|                 |        |  |          |                    |       |  |                                               |             |                                                                                                                            | NO. |                        |                      |      |  |  |
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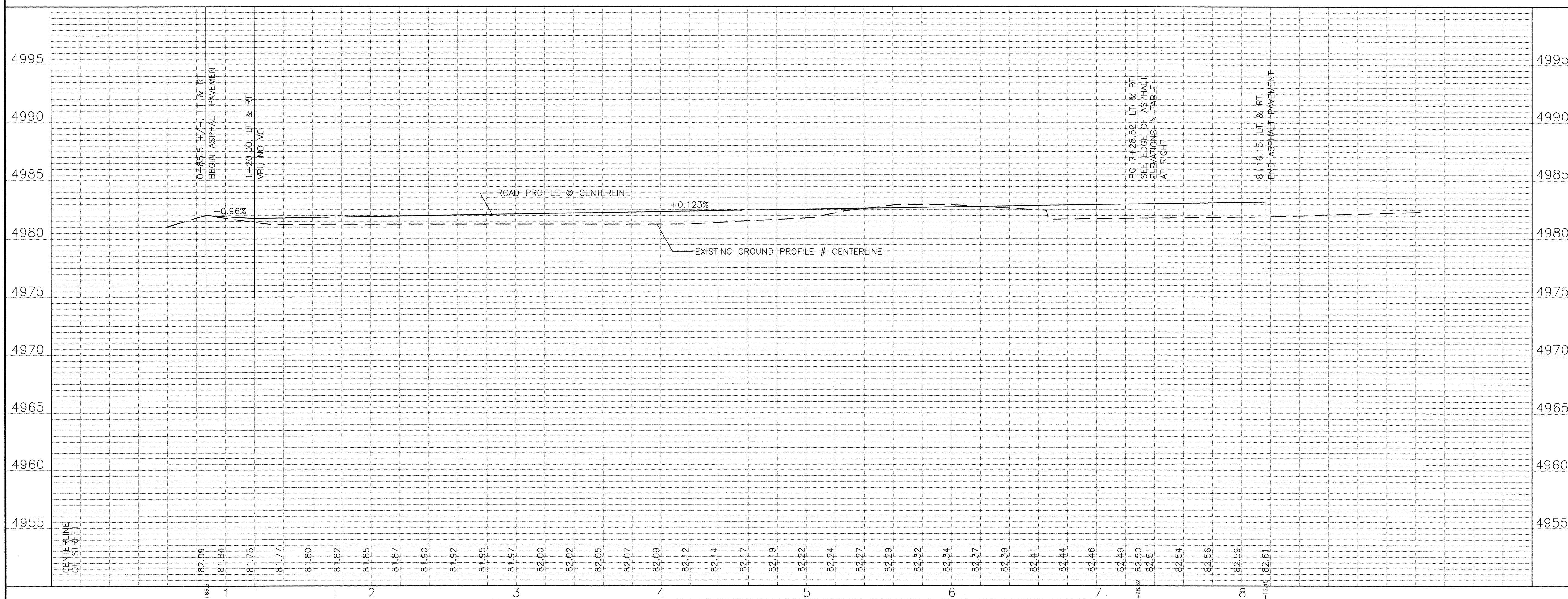
|                                                                                          |                             |                   |                |
|------------------------------------------------------------------------------------------|-----------------------------|-------------------|----------------|
| VILLAGE OF LOS RANCHOS                                                                   |                             |                   |                |
| TITLE<br><b>PAVING LAYOUT, STREET SECTION &amp; SIGNING<br/>BONITA ROSAS SUBDIVISION</b> |                             |                   |                |
| DESIGN REVIEW COMMITTEE                                                                  | CITY ENGINEER APPROVAL      | MO/DAY/YEAR       | MO/DAY/YEAR    |
|                                                                                          |                             |                   |                |
| CITY PROJECT NO.<br><b>797581</b>                                                        | ZONE MAP NO.<br><b>D-14</b> | SHEET<br><b>5</b> | OF<br><b>8</b> |



| CURVE DATA |            |        |         |        |
|------------|------------|--------|---------|--------|
| CURVE NO.  | DELTA      | RADIUS | ARC     | CHORD  |
| 1          | 73°44'38"  | 25.00' | 32.53'  | 30.29' |
| 2          | 106°15'22" | 25.00' | 46.01'  | 39.78' |
| 3          | 60°00'07"  | 15.00' | 15.71'  | 15.00' |
| 4          | 125°17'43" | 40.00' | 209.44' | 40.00' |

BONITA ROSAS DRIVE NW

SCALE: 1" = 40' HORIZONTAL  
1" = 5' VERTICAL



1. SEE SHEET 2 FOR PLAT DIMENSIONS.
2. SEE SHEET 4 FOR PAVING LAYOUT PLAN (OVERALL STREET PLAN) AND TYPICAL STREET SECTIONS INCLUDING RELATIONSHIP TO RIGHT-OF-WAY LINES AND CONSTRUCTION CENTERLINE.
3. STATIONING IS ALONG THE CONSTRUCTION CENTERLINE. OFFSETS ARE MEASURED PERPENDICULAR TO THE CONSTRUCTION CENTERLINE.
4. ALL PAVING DIMENSIONS ARE MEASURED TO EDGE OF ASPHALT UNLESS OTHERWISE STATED.

| ①     |    |       | ②     |    |       |
|-------|----|-------|-------|----|-------|
| POINT | TC | TA    | POINT | TC | TA    |
| PC    | —  | 82.12 | PC    | —  | 81.74 |
| 1     | —  | 82.08 | 1     | —  | 81.83 |
| 2     | —  | 82.02 | 2     | —  | 81.87 |
| 3     | —  | 81.92 | 3     | —  | 81.86 |
| PT    | —  | 81.79 | PT    | —  | 81.80 |
| PI    | —  | 82.08 | PI    | —  | 81.98 |

| ⑤c             |    |       | ④     |    |       |
|----------------|----|-------|-------|----|-------|
| POINT          | TC | TA    | POINT | TC | TA    |
| PC             | —  | 82.50 | PRC2  | —  | 82.12 |
| 1              | —  | —     | 1     | —  | 81.84 |
| 2              | —  | 79.41 | 2     | —  | 81.76 |
| 3              | —  | —     | 3     | —  | 81.89 |
| PRC1           | —  | 82.12 | 4     | —  | 82.20 |
| PI             | —  | —     | 5     | —  | 82.61 |
| SPACING= 7.86' |    |       | 6     | —  | 82.20 |

|      |   |   |       |
|------|---|---|-------|
|      | 8 | — | 81.76 |
|      | 9 | — | 81.84 |
| PRC1 | — | — | 82.12 |

SPACING=20.94'

|       |    |       |
|-------|----|-------|
| POINT | TC | TA    |
| PRC2  | —  | 82.12 |
| 1     | —  | —     |
| 2     | —  | 79.41 |
| 3     | —  | —     |
| PT    | —  | 82.50 |
| PI    | —  | —     |

SPACING=7.86'

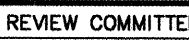
| AS BUILT INFORMATION   |      |
|------------------------|------|
| CONTRACTOR             |      |
| WORK ORDER NO.         |      |
| INSPECTED BY           | DATE |
| ACCEPTANCE BY          | DATE |
| FIELD LOCATION BY      | DATE |
| DRAWINGS               |      |
| CORRECTED BY           | DATE |
| MICRO-FILM INFORMATION |      |
| RECORDED BY            | DATE |
| NO.                    |      |

| BENCH MARKS                                                                                                                                                              |                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ACS 12-014                                                                                                                                                               | ELEVATION 4981.082 (NGVD 1929) |
| ACS ALUMINUM DISK ON ALUMINUM PIPE PROJECTING 0.3' ABOVE GROUND. THE POINT IS LOCATED ON THE EAST SIDE OF RIO GRANDE BLVD, APPROX 0.11 MILES NORTH OF GREEN VALLEY ROAD. |                                |
|                                                                                                                                                                          |                                |
|                                                                                                                                                                          |                                |
|                                                                                                                                                                          |                                |
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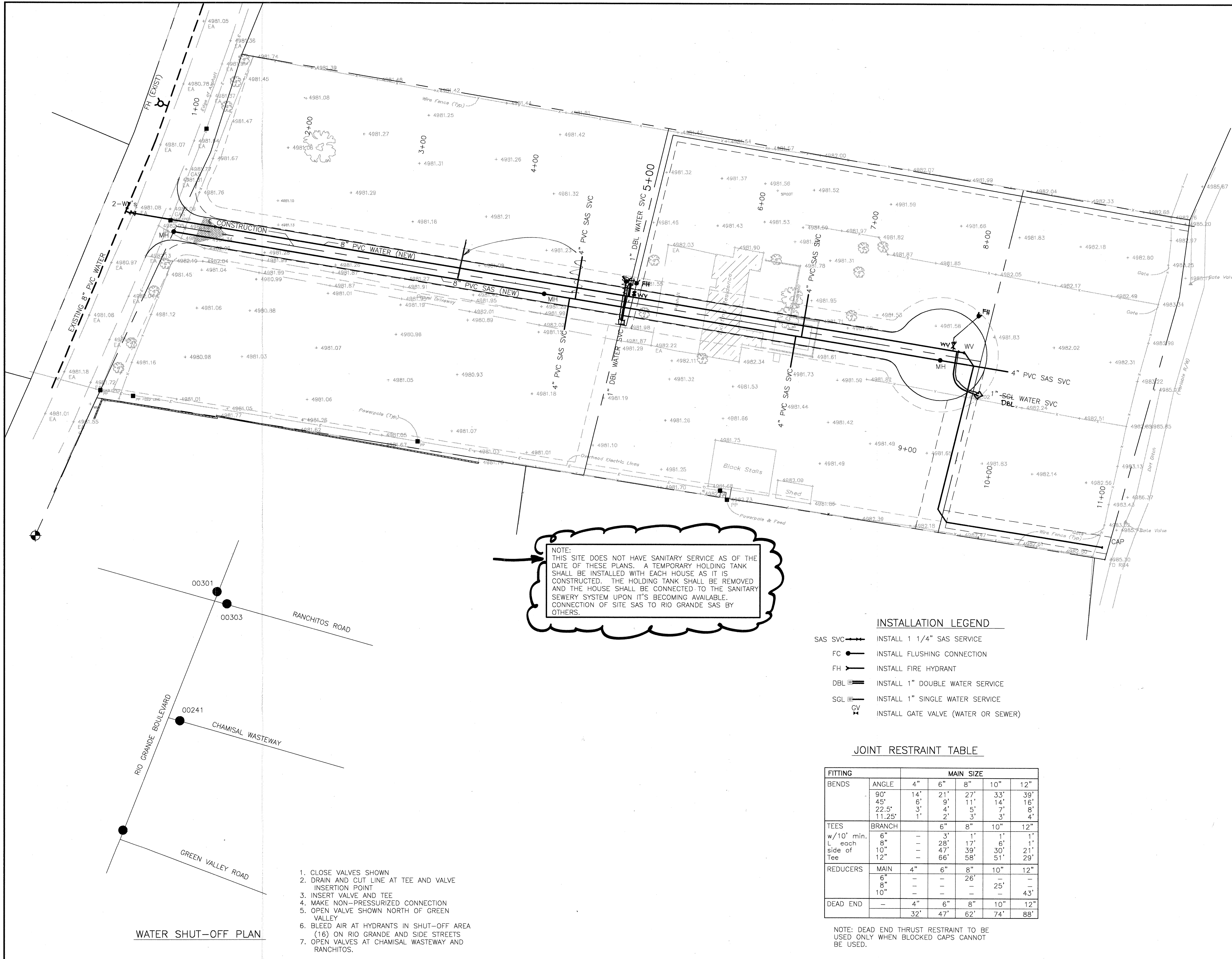
**VILLAGE OF LOS RANCHOS**

TITLE **STREET PLAN AND PROFILE  
BONITA ROSAS SUBDIVISION**

|                                                                                       |                                                                                       |             |             |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------|-------------|
| DESIGN REVIEW COMMITTEE                                                               | CITY ENGINEER APPROVAL                                                                | MO/DAY/YEAR | MO/DAY/YEAR |
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| CITY PROJECT NO. | ZONE MAP NO. | SHEET    | OF       |
| <b>797581</b>    | <b>D-14</b>  | <b>6</b> | <b>8</b> |





- INSTALLATION LEGEND**
- SAS SVC ——— INSTALL 1 1/4" SAS SERVICE
  - FC ●—— INSTALL FLUSHING CONNECTION
  - FH ——— INSTALL FIRE HYDRANT
  - DBL ——— INSTALL 1" DOUBLE WATER SERVICE
  - SGL ——— INSTALL 1" SINGLE WATER SERVICE
  - GV ——— INSTALL GATE VALVE (WATER OR SEWER)

| FITTING                        |        | MAIN SIZE |     |     |     |     |  |
|--------------------------------|--------|-----------|-----|-----|-----|-----|--|
| BENDS                          | ANGLE  | 4"        | 6"  | 8"  | 10" | 12" |  |
|                                | 90°    | 14'       | 21' | 27' | 33' | 39' |  |
|                                | 45°    | 6'        | 9'  | 11' | 14' | 16' |  |
|                                | 22.5°  | 3'        | 4'  | 5'  | 7'  | 8'  |  |
|                                | 11.25° | 1'        | 2'  | 3'  | 3'  | 4'  |  |
| TEES                           | BRANCH | 6"        | 8"  | 10" | 12" |     |  |
| w/10' min. L. each side of Tee | 6"     | —         | 3'  | 1'  | 1'  | 1'  |  |
|                                | 8"     | —         | 28' | 17' | 6'  | 1'  |  |
|                                | 10"    | —         | 47' | 39' | 30' | 21' |  |
|                                | 12"    | —         | 66' | 58' | 51' | 29' |  |
| REDUCERS                       | MAIN   | 4"        | 6"  | 8"  | 10" | 12" |  |
|                                | 6"     | —         | —   | 26' | —   | —   |  |
|                                | 8"     | —         | —   | —   | 25' | —   |  |
|                                | 10"    | —         | —   | —   | —   | 43' |  |
| DEAD END                       |        | 4"        | 6"  | 8"  | 10" | 12" |  |
|                                |        | 32'       | 47' | 62' | 74' | 88' |  |

NOTE: DEAD END THRUST RESTRAINT TO BE USED ONLY WHEN BLOCKED CAPS CANNOT BE USED.

- CLOSE VALVES SHOWN
- DRAIN AND CUT LINE AT TEE AND VALVE INSERTION POINT
- INSERT VALVE AND TEE
- MAKE NON-PRESSURIZED CONNECTION
- OPEN VALVE SHOWN NORTH OF GREEN VALLEY
- BLEED AIR AT HYDRANTS IN SHUT-OFF AREA (16) ON RIO GRANDE AND SIDE STREETS
- OPEN VALVES AT CHAMISAL WASTEWAY AND RANCHITOS.

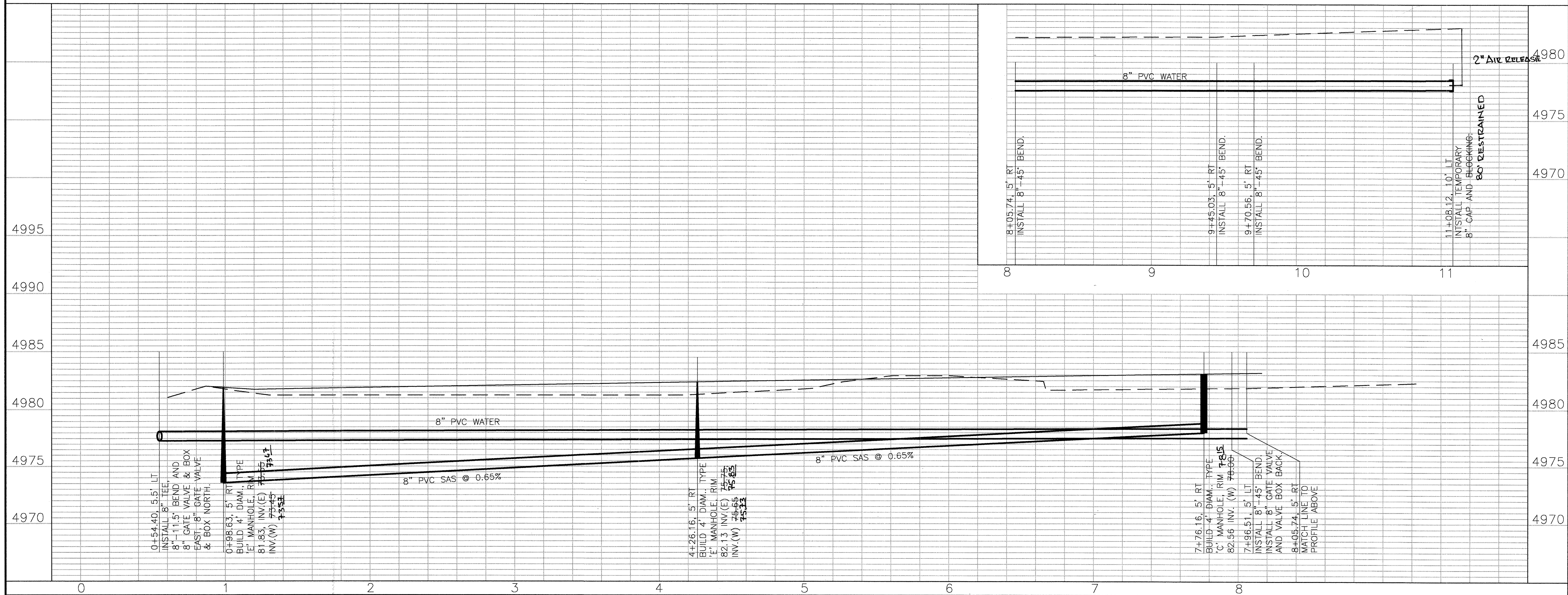
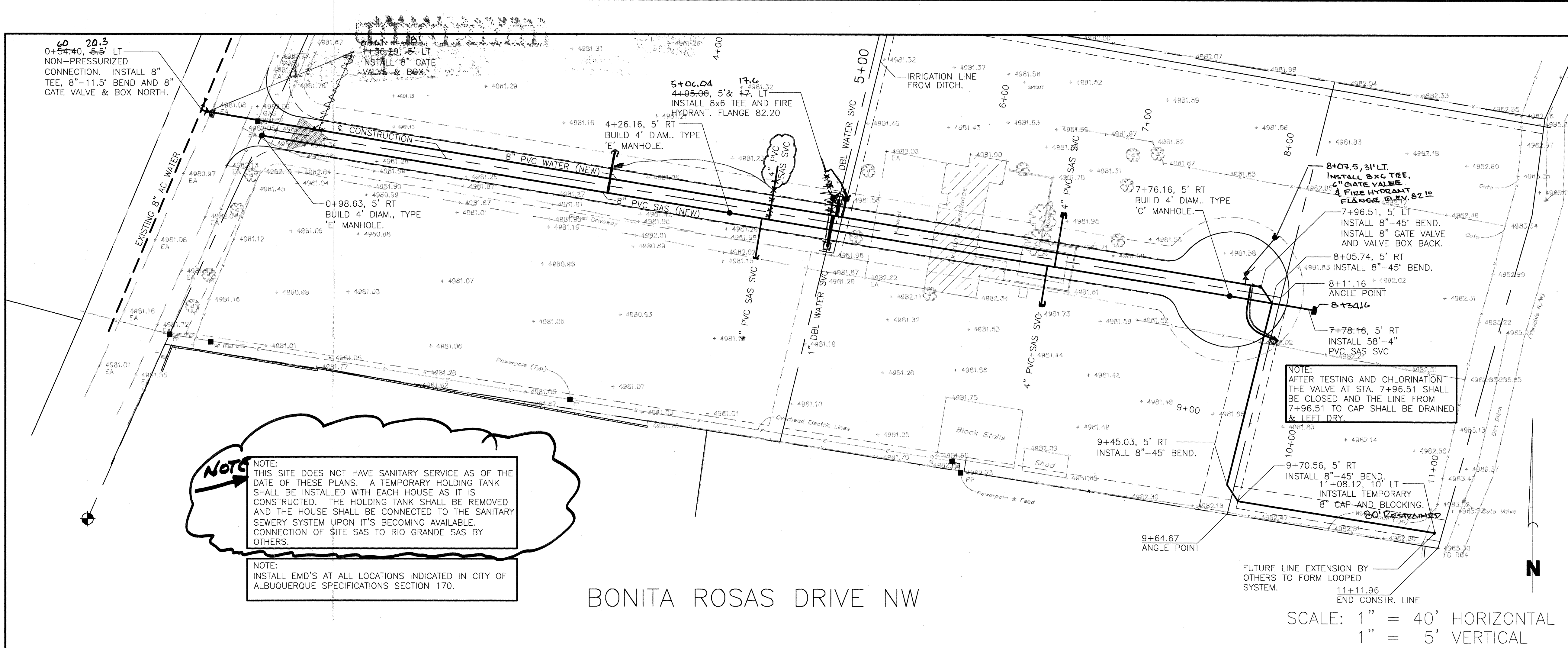
WATER SHUT-OFF PLAN

| AS BUILT INFORMATION   |           | BENCH MARKS                                   |                                                                                                                            | SURVEY INFORMATION |                 | ENGINEER'S SEAL |  |  |
|------------------------|-----------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------|-----------------|--|--|
| CONTRACTOR             | TLC       | ACS 12-D14                                    | ELEVATION 4981.082 (NGVD 1929)                                                                                             | DATE               | 06/06           |                 |  |  |
| WORK ORDER NO.         | 4981.082  | ACS ALUMINUM DISK ON ALUMINUM PIPE PROJECTING | 0.3' ABOVE GROUND. THE POINT IS LOCATED ON THE EAST SIDE OF RIO GRANDE BLVD. APPROX 0.11 MILES NORTH OF GREEN VALLEY ROAD. | BY                 | 06/06           |                 |  |  |
| INSPECTOR'S NAME       | W. J. ... | DATE                                          | 06/06                                                                                                                      | NO.                | 060501 SURV-TEK |                 |  |  |
| VERIFICATION BY        | W. J. ... | DATE                                          | 06/06                                                                                                                      |                    |                 |                 |  |  |
| MICRO-FILM INFORMATION |           | REVISIONS                                     |                                                                                                                            | DESIGN             |                 | DESIGNED BY JUB |  |  |
| RECORDED BY            |           | DATE                                          |                                                                                                                            | DATE               | 08/06           | DRAWN BY METO   |  |  |
| NO.                    |           |                                               |                                                                                                                            | DATE               | 08/06           | CHECKED BY JUB  |  |  |

| CITY OF ALBUQUERQUE<br>MUNICIPAL DEVELOPMENT DEPT.<br>ENGINEERING GROUP |                        |             |             |
|-------------------------------------------------------------------------|------------------------|-------------|-------------|
| TITLE<br><b>UTILITY LAYOUT<br/>BONITA ROSAS SUBDIVISION</b>             |                        |             |             |
| DESIGN REVIEW COMMITTEE                                                 | CITY ENGINEER APPROVAL | MO/DAY/YEAR | MO/DAY/YEAR |
|                                                                         |                        |             |             |
| CITY PROJECT NO.                                                        | ZONE MAP NO.           | SHEET       | OF          |
| 797581                                                                  | D-14                   | 7           | 8           |



SCANNED BY  
PLANNING



NOTES:

1. SEE SHEET 2 FOR PLAT DIMENSIONS.
2. SEE SHEET 6 FOR UTILITY LAYOUT PLAN (OVERALL UTILITY PLAN).
3. STATIONING IS ALONG THE CONSTRUCTION CENTERLINE. OFFSETS ARE MEASURED PERPENDICULAR TO THE CONSTRUCTION CENTERLINE.
4. ALL UTILITY DIMENSIONS ARE MEASURED TO CENTER OF PIPE HORIZONTALLY AND EITHER TOP OF PIPE FOR PRESSURE FLOW LINES OR INVERT OF PIPE FOR GRAVITY FLOW LINES UNLESS OTHERWISE STATED.
5. CITY OF ALBUQUERQUE STANDARD DRAWINGS  
SANITARY SEWER  
MANHOLES  
TYPE 'E' -2102, 2110  
SERVICE LINES  
GENERAL -2125  
AT MANHOLE -2118
- WATER  
VALVE BOX -2326, 2328  
FIRE HYDRANT  
TYPICAL -2340  
AIR RELEASE -2347  
SERVICE LINES  
3/4"-1" METER -2361, 2362, 2366
- PAVING  
REMOVAL AND REPLACEMENT -2465

| STATION         | LT | RT | INV. ELEV.      |
|-----------------|----|----|-----------------|
| 4+49            |    | X  | 78.1            |
| <del>4+54</del> | X  |    | <del>78.5</del> |
| 6+49            |    | X  | 79.0            |
| 6+54            | X  |    | 79.0            |
| 7+78.16         |    | X  | 79.0            |

NOTE: SEWER SERVICE STATION IS AT  
CONNECTION WITH THE SEWER MAIN.  
INV. ELEVATION SHOWN IS OF THE  
SERVICE LINE AT THE ACCESS  
EASEMENT LINE.

NOTE: EXTEND SEWER SERVICE  
15'+/- BEYOND ACCESS ESMT.  
PLACE VERTICAL POST AT END  
OF SERVICE LINE.

WATER SERVICE LINES (3/4")

| STATION | LT | RT | SGL | DBL | OFFSET      |
|---------|----|----|-----|-----|-------------|
| 4+96.67 |    | X  |     | X   | 18'-21.5'   |
| 4+99.18 | X  |    |     | X   | 18'-18.9'   |
| 8+13.78 |    | X  | X   | X   | 29.8'-16.6' |

NOTES:

WATER SERVICE STATION SHOWN IS  
AT THE INTERSECTION OF THE SIDE  
LOT LINE AND THE ACCESS ESMT.  
LINE EXCEPT AT CUL-DE-SAC.  
AT CUL-DE-SAC THE STATION AND  
OFFSET ARE AT THE CENTER OF THE  
METER BOX.

METER BOX LIDS SHALL BE ELEVATED  
AT LEAST 6" ABOVE ADJACENT GROUND.

METER BOX LIDS SHALL BE HEAVY  
DUTY PER COA STD DWG 2369.

COPPERSETTERS SHALL HAVE DUAL  
CHECK VALVES.

**CITY OF ALBUQUERQUE  
MUNICIPAL DEVELOPMENT DEPT.  
ENGINEERING GROUP**

TITLE

**UTILITY PLAN AND PROFILE  
BONITA ROSAS SUBDIVISION**

|                                        |                                       |             |             |
|----------------------------------------|---------------------------------------|-------------|-------------|
| DESIGN REVIEW COMMITTEE                | CITY ENGINEER APPROVAL                | MO/DAY/YEAR | MO/DAY/YEAR |
| DESIGN REVIEW COMMITTEE<br>FEB 05 2007 | CITY ENGINEER APPROVAL<br>FEB 05 2007 |             |             |
| DESIGN REVIEW COMMITTEE                | CITY ENGINEER                         |             |             |

|                                   |                             |                   |                |
|-----------------------------------|-----------------------------|-------------------|----------------|
| CITY PROJECT NO.<br><b>797581</b> | ZONE MAP NO.<br><b>D-14</b> | SHEET<br><b>8</b> | OF<br><b>8</b> |
|-----------------------------------|-----------------------------|-------------------|----------------|