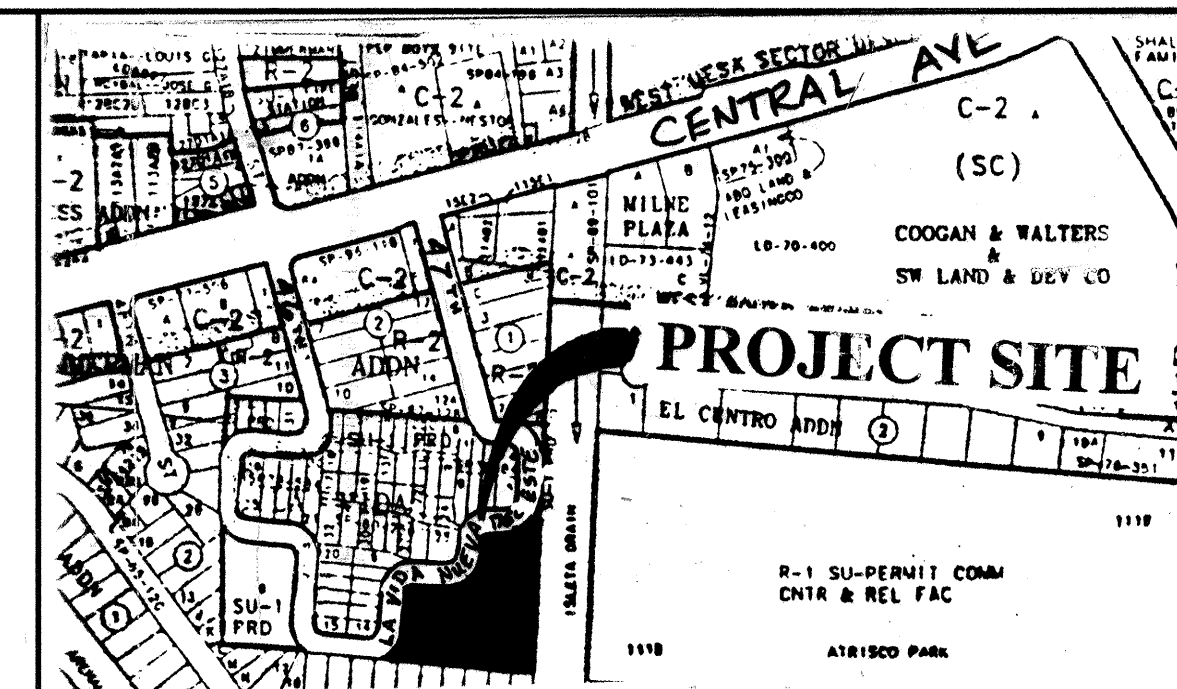
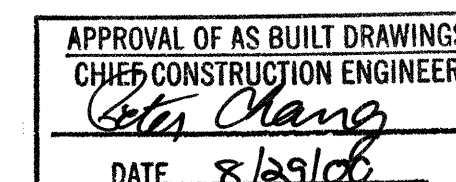




LA VIDA NUEVA SUBDIVISION  
( HABITAT FOR HUMANITY )  
20 LOTS - PHASE I  
6 LOTS - PHASE II

INDEX OF DRAWINGS

| SHEET NUMBER   | SHEET TITLE                                             |
|----------------|---------------------------------------------------------|
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| SHEET 4 OF 13  | GRADING & DRAINAGE PLAN - PHASE II                      |
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| SHEET 6 OF 13  | LA VIDA DE JEAN - ROADWAY PLAN & PROFILE                |
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| SHEET 10 OF 13 | STORM DRAIN PLAN & PROFILE - PHASE I                    |
| SHEET 11 OF 13 | STORM DRAIN PLAN & PROFILE - PHASE II                   |
| SHEET 12 OF 13 | DETAIL SHEET                                            |
| SHEET 13 OF 13 | SIGNING & CONSTRUCTION TRAFFIC CONTROL STANDARDS        |



VICINITY MAP K-12-Z

GENERAL NOTES

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #6.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PERTINENT EXISTING UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. FIVE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (765-2551) PRIOR TO OCCUPYING PUBLIC RIGHT-OF-WAY. SEE SECTION 19 OF THE SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
7. CONTRACTOR SHALL COORDINATE WITH WATER SYSTEMS DIVISION (857-8200) FIVE WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL. ONLY CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION THREE DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
8. 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.
9. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED.
10. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY FOUR (24) HOURS OF NOTICE.
11. PHASE II OF CONSTRUCTION WILL NOT BE CONSTRUCTED UNTIL "ATRISCO PARK STORM WATER DETENTION POND" (PROJECT#4061.91) HAS BEEN CONSTRUCTED.

ABBREVIATIONS

|                                |                                             |
|--------------------------------|---------------------------------------------|
| A.D. = ALGEBRAIC DIFFERENCE    | LT = LEFT                                   |
| BVCE = BEGIN VERT. CURVE ELEV. | MRGCD = MIDDLE RIO GRANDE CONSERVANCY DIST. |
| BVCS = BEGIN VERT. CURVE STA.  | PC = POINT OF CURVATURE                     |
| CI = CAST IRON                 | PVI = POINT OF VERT. INT.                   |
| CMP = CORRUGATED METAL PIPE    | PT = POINT OF TANGENT                       |
| DIA. = DIAMETER                | RAD. = RADIUS                               |
| ELEV = ELEVATION               | RT = RIGHT                                  |
| EVCE = END VERT. CURVE ELEV.   | RCP = REINFORCED CONCRETE                   |
| EVCS = END VERT. CURVE STA.    | PIPE                                        |
| EXIST = EXISTING               | STA = STATION                               |
| FL = FLOWLINE                  | TA = TOP OF ASPHALT                         |
| FG = FINISHED GROUND           | TC = TOP OF CURB                            |
| FP = FINISHED PAD              | TG = TOP OF GRATE                           |
| INT = INTERSECTION             | TYP. = TYPICAL                              |
| INV = INVERT                   | VC = VERTICAL CURVE                         |
| K = RATE OF VERT. CURVATURE    | VERT. = VERTICAL                            |
| LF = LINEAR FEET               |                                             |



| REV.                         | SHEETS | CITY ENGINEER    | DATE              | USER DEPARTMENT | DATE                                                        | USER DEPARTMENT | DATE |
|------------------------------|--------|------------------|-------------------|-----------------|-------------------------------------------------------------|-----------------|------|
| ENGINEER'S STAMP & SIGNATURE |        | APPROVALS        | ENGINEER          | DATE            | *****                                                       |                 |      |
|                              |        | DRC Chairman     | Billie G. Gribble | 7-16-99         | APPROVED FOR CONSTRUCTION<br><br>City Engineer Date 7/21/99 |                 |      |
|                              |        | Transportation   | R. W. K.          | 6-30-99         |                                                             |                 |      |
|                              |        | Water/Wastewater | R. W. K.          | 6-7-99          |                                                             |                 |      |
|                              |        | Hydrology        | J. D. L.          | 6/7/99          |                                                             |                 |      |
|                              |        | Parks            |                   |                 |                                                             |                 |      |
|                              |        | Constr. Mngmt.   |                   |                 |                                                             |                 |      |
|                              |        | Constr. Coord.   | J. D. L.          | 6-15-99         |                                                             |                 |      |
| City Project No.             |        | No.              |                   | Sheet           |                                                             | Of              |      |
|                              |        | 615181           |                   | 1               |                                                             | 13              |      |

DRB Case No.  
98-256

## APPROVED AND ACCEPTED BY

|                               |               |
|-------------------------------|---------------|
| CITY PROJECT NUMBER<br>615181 | SHEET 2 OF 13 |
|-------------------------------|---------------|

SUBDIVISION DATA

|                                                         |                      |
|---------------------------------------------------------|----------------------|
| PLAT CASE NUMBERS . . . . .                             | DBG-96-256, V-99-38. |
| GROSS ACREAGE . . . . .                                 | 1.5936               |
| ZONE ATLAS NUMBER . . . . .                             | K-12-Z               |
| NO. OF EXISTING TRACTS/LOTS . . . . .                   | 1                    |
| NO. OF TRACTS/LOTS CREATED . . . . .                    | 21                   |
| NO. OF TRACTS/LOTS ELIMINATED . . . . .                 | 0                    |
| MILES OF FULL WIDTH STREETS CREATED (PRIVATE) . . . . . | 0.0914               |
| AREA DEDICATED TO CITY OF ALBUQUERQUE . . . . .         | 0                    |
| DATE OF FIELD SURVEY . . . . .                          | JANUARY, 1999        |
| UTILITY CONTROL LOCATION SYSTEM LOG NUMBER . . . . .    | 990105102802018      |

1. THE PURPOSE OF THIS PLAN IS TO REPLACE TRACI C INTO THE 21 LOTS AS SHOWN.
2. BASIS OF BEARINGS IS BETWEEN TWO FOUND ACS BRASS CAPS 15-012 AND 2-K12B. ALL BEARINGS ARE GRID, ALL DISTANCES ARE GROUND.

3. PLAT SHOWS ALL EASEMENTS OF RECORD.
4. BEARINGS AND/OR DISTANCES IN PARENTESIS ARE RECORDED AND ARE SHOWN FOR COMPARISON WITH ACTUAL FIELD CONDITIONS.
5. CITY OF ALBUQUERQUE WATER AND SANITARY SEWER SERVICE TO THIS SUBDIVISION MUST BE VERIFIED AND COORDINATED WITH THE PUBLIC WORKS DEPARTMENT, CITY OF ALBUQUERQUE.
6. REFERENCES, AMENDED RE-PLAT OF THE HATCHER RE ADDITION, AS FILED IN THE OFFICE OF THE BERNALILLO COUNTY CLERK NOVEMBER 27, 1978, 09-32.
7. CENTRINE (IN LIEU OF R/W) MONUMENTATION TO BE INSTALLED AT ALL CENTRINE PCS, PTS, ANGLE POINTS AND STREET INTERSECTIONS PRIOR TO ACCEPTANCE OF SUBDIVISION STREET IMPROVEMENTS AND WILL CONSIST OF A FOUR INCH (ALUMINUM) ALLOY CAP STAMPED "CITY OF ALBUQUERQUE CENTRINE MONUMENTATION STREET MARKER DO NOT DISTURB R.O.L.S. 7429 " Δ DEPOSITS CENTRINE MONUMENT.
8. MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS AND ALL OTHER ANGLE POINTS TO ALLOW THE USE OF CENTRINE MONUMENTATION. THE GATE AND PEDESTRIAN ACCESS SHALL BE MAINTAINED BY THE PRIVATE HOME ASSOCIATION.
9. THE TEMPORARY DRAINAGE EASEMENT WILL BE SUBDIVIDED UPON VACATION OF EASEMENT.
10. THE SANITARY SEWER SERVICE LINES TO LOTS 7-10 DO NOT MEET C.O.A. RECOMMENDED MINIMUM COVER

THE REPLY OF THE LAND HEREIN DESCRIBED IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE WISHES AND DESIRES OF THE UNDERIGNED OWNERS(S) AND PROPRIETOR(S) THEREOF, AND SAID OWNER(S) AND PROPRIETOR(S) DO HEREBY GRANT ALL EASEMENTS AS SHOWN, THE PRIVATE STREETS SHOWN HEREON ARE HEREBY GRANTED AS PERMANENT ACCESS EASEMENTS TO BE INDIVIDUALLY AND PRIVATELY AND COLLECTIVELY OWNED AND MAINTAINED BY THE PRIVATE HOME OWNERS ASSOCIATION.

OWNER(S) ACKNOWLEDGEMENT

CITY OF NEW MEXICO) S  
COUNTY OF BERNALILLO)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON THIS

MY COMMISSION EXPIRES \_\_\_\_\_

\_\_\_\_\_  
NOTARY PUBLIC

**NOTARY PUBLIC**

|                                      |      |
|--------------------------------------|------|
| U.S. WEST COMMUNICATIONS             | DATE |
| PUBLIC SERVICE COMPANY OF NEW MEXICO | DATE |
| GAS COMPANY OF NEW MEXICO            | DATE |
| JONES INTERABLE INC.                 | DATE |

DATE \_\_\_\_\_  
DATE \_\_\_\_\_

SHEET 1 OF 2

**BORTEL SURVEYING COMPANY**  
P.O. BOX 352  
LOS LUNAS, NEW MEXICO 87031-0352  
(505) 865-0148

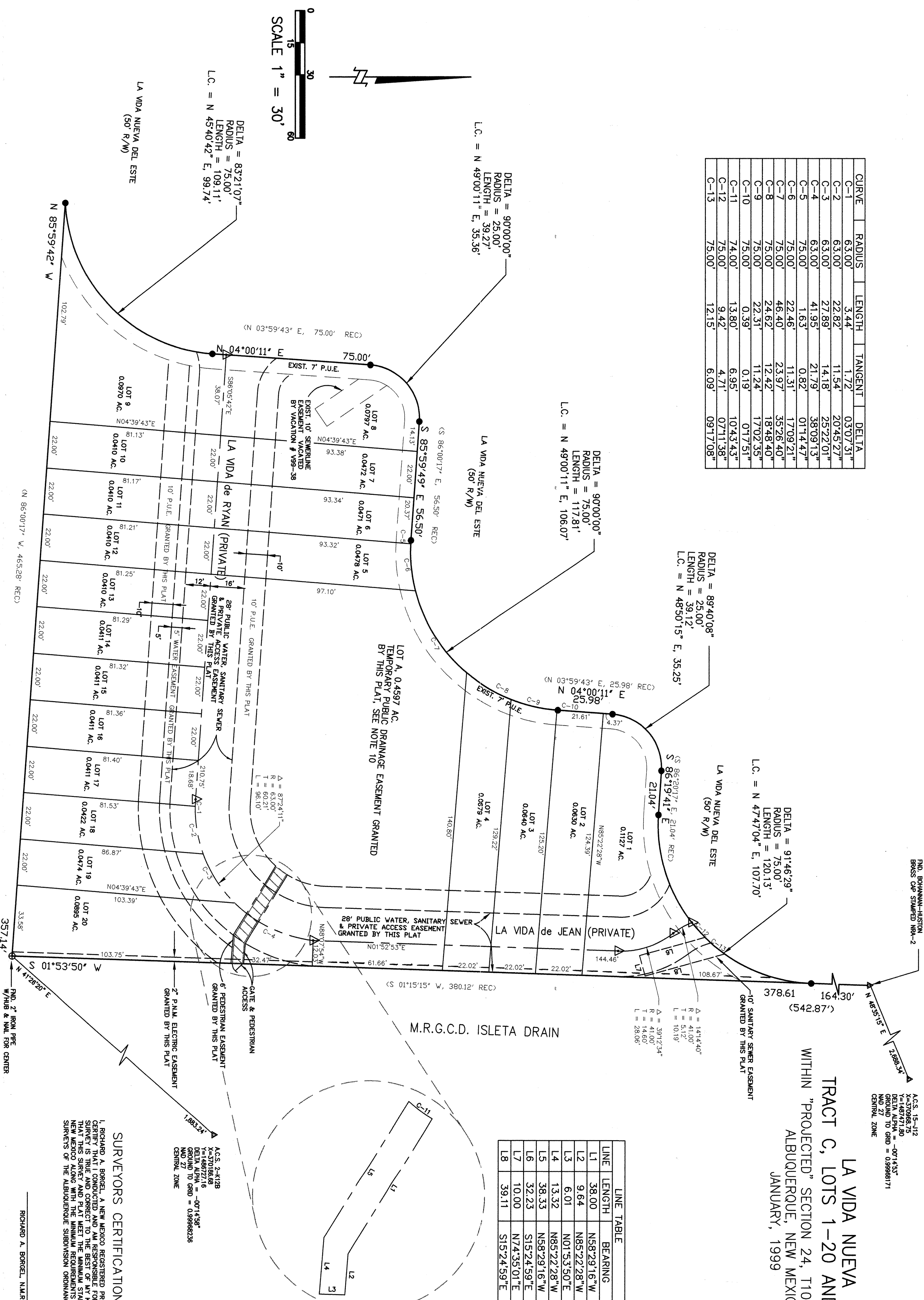
ALONG WITH THE MINIMUM REQUIREMENTS  
ALBUQUERQUE SUBDIVISION ORDINANCE

### SURVEYOR'S CERTIFICATION

I, RICHARD A. BORGEL, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR, CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, ALONG WITH THE MINIMUM REQUIREMENTS OF MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE.

| CURVE | RAOUS | LENGTH | TANGENT | DELTA      |
|-------|-------|--------|---------|------------|
| C-1   | 63.00 | 3.44   | 1.72    | 0.30/3.31  |
| C-2   | 63.00 | 22.82  | 11.54   | 20.45/2.07 |
| C-3   | 63.00 | 27.89  | 14.18   | 25.22/0.71 |
| C-4   | 63.00 | 41.95  | 21.79   | 38.09/1.37 |
| C-5   | 75.00 | 1.63   | 0.82    | 0.11/4.47  |
| C-6   | 75.00 | 22.46  | 11.31   | 17.09/2.21 |
| C-7   | 75.00 | 46.40  | 23.97   | 35.26/2.40 |
| C-8   | 75.00 | 24.62  | 12.42   | 18.48/4.40 |
| C-9   | 75.00 | 22.31  | 11.24   | 17.02/3.57 |
| C-10  | 75.00 | 0.39   | 0.19    | 0.17/5.71  |
| C-11  | 74.00 | 13.80  | 6.95    | 10.43/4.53 |
| C-12  | 75.00 | 9.42   | 4.71    | 0.71/11.38 |
| C-13  | 75.00 | 12.15  | 6.09    | 0.91/7.08  |

| LINE TABLE |                   |
|------------|-------------------|
| LINE       | BEARING           |
| L1         | 38.00 N58.2916°W  |
| L2         | 9.64 N85.22128°W  |
| L3         | 6.01 N01.5350°E   |
| L4         | 13.32 N85.22128°W |
| L5         | 38.33 N58.2916°W  |
| L6         | 32.23 S15.2459°E  |
| L7         | 10.00 N74.3501°E  |
| L8         | 38.11 S15.2459°E  |



LA VIDA NUEVA  
TRACT C, LOTS 1-20 AND LOT A  
WITHIN "PROJECTED" SECTION 24, T10N, R2E, NMPM  
ALBUQUERQUE, NEW MEXICO  
JANUARY, 1999

JANUARY, 1993

## LEGEND

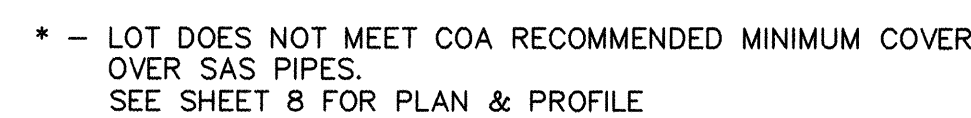
● = SET #5 REBAR W/CAP RPLS 7429  
 ▲ = FOUND BRASS CAP  
 ⊕ = FOUND 2" IRON PIPE IN PLACE  
 △ = SET CENTERLINE MONUMENTATION

OWENS ADDITION  
FILED MAY 28, 1940  
BOOK C, PAGE 40

SHEET 2 OF 2

**BORGEL SURVEYING COMPANY**  
P.O. BOX 352  
LOS LUNAS, NEW MEXICO 87031-0352  
(505) 865-0148

JOB NO.: H35-100-5198  
FILE: LVN-GD.DWG  
ENG/TECH: JK/JK  
REV: 6-9-99 JK



CONSTRUCT —  
RETAINING WALL  
PER DETAIL 3/12

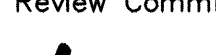


**KEYNOTES**



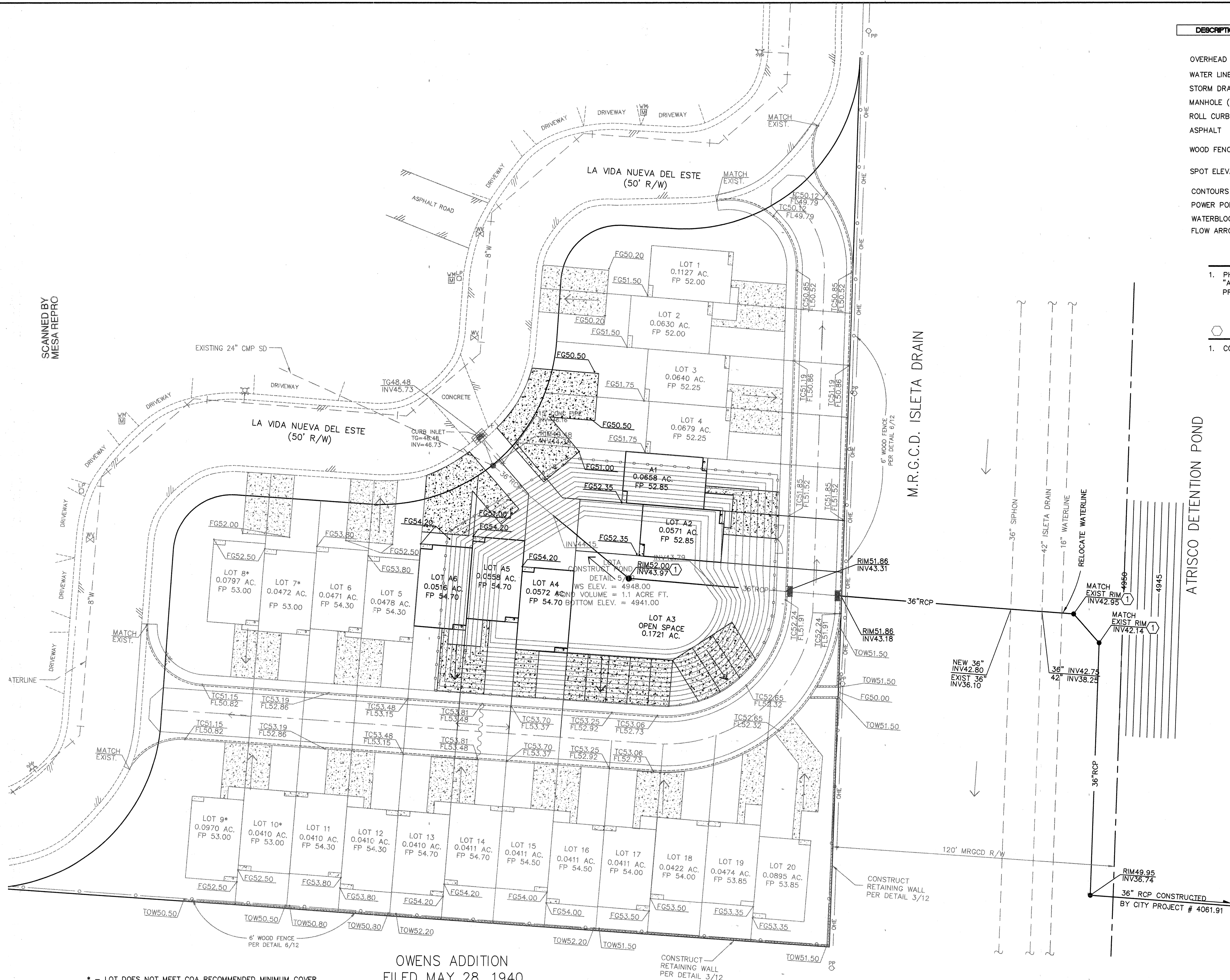
- 

 **CHAVEZ • GRIEVES**  
**CONSULTING ENGINEERS, INC.**  
5639 JEFFERSON STREET N.E. • ALBUQUERQUE, NEW MEXICO 87109  
PHONE (505) 344-4080 • FAX (505) 343-8759

|                                                                                       |                        |                    |             |             |
|---------------------------------------------------------------------------------------|------------------------|--------------------|-------------|-------------|
| Design Review Committee                                                               | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr. |
|  |                        |                    |             |             |
|                                                                                       |                        |                    |             |             |
|                                                                                       |                        |                    |             |             |
|                                                                                       |                        |                    |             |             |
|                                                                                       |                        |                    |             |             |
| City Project No.                                                                      | Zone Map No.           | Sheet              | Of          |             |
| 615181                                                                                | K-12-Z                 | 3                  | 13          |             |

Q35 NG, U35-100-5198  
FILE: UN-C02.DWG  
ENG/TECH: JK/K  
REV: 05-24-99 JK

SCANNED BY  
MESA REPRO



\* - LOT DOES NOT MEET COA RECOMMENDED MINIMUM COVER  
OVER SAS PIPES.  
SEE SHEET 8 FOR PLAN & PROFILE

OWENS ADDITION  
FILED MAY 28, 1940  
BOOK C, PAGE 40

CONSTRUCT  
RETAINING WALL  
PER DETAIL 3/12

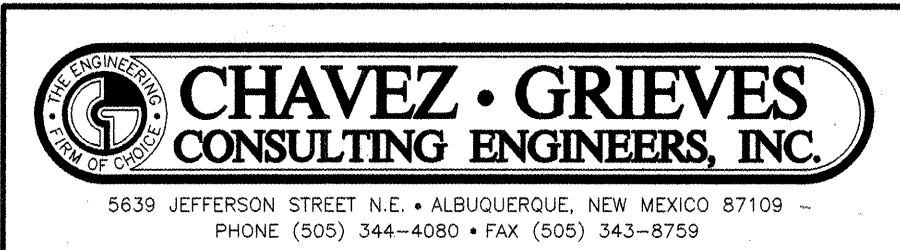
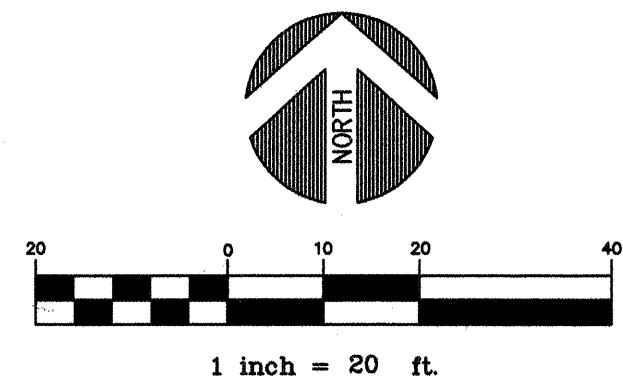
| LEGEND             |             |       |
|--------------------|-------------|-------|
| DESCRIPTION        | EXISTING    | NEW   |
| OVERHEAD ELECTRIC  | OHE         | OHE   |
| WATER LINE         | W           | W     |
| STORM DRAIN        | SD          | SD    |
| MANHOLE (SANITARY) |             |       |
| ROLL CURB          |             |       |
| ASPHALT            |             |       |
| WOOD FENCE         |             |       |
| SPOT ELEVATION     | 74.50<br>FL | 74.50 |
| CONTOURS           | 4950        | 4950  |
| POWER POLE         | PP          |       |
| WATERBLOCK         |             |       |
| FLOW ARROW         |             |       |

#### GENERAL NOTES

- PHASE II OF PROJECT WILL NOT BE CONSTRUCTED UNTIL THE "ATRISCO PARK STORM WATER DETENTION POND" (CITY PROJECT# 4061.91) HAS BEEN CONSTRUCTED.

#### KEYNOTES

- CONSTRUCT TYPE "C" MANHOLE PER COA STD DWG 2101.



**CHAVEZ • GRIEVES**  
CONSULTING ENGINEERS, INC.  
5639 JEFFERSON STREET N.E. • ALBUQUERQUE, NEW MEXICO 87109 -  
PHONE (505) 344-4080 • FAX (505) 343-8759

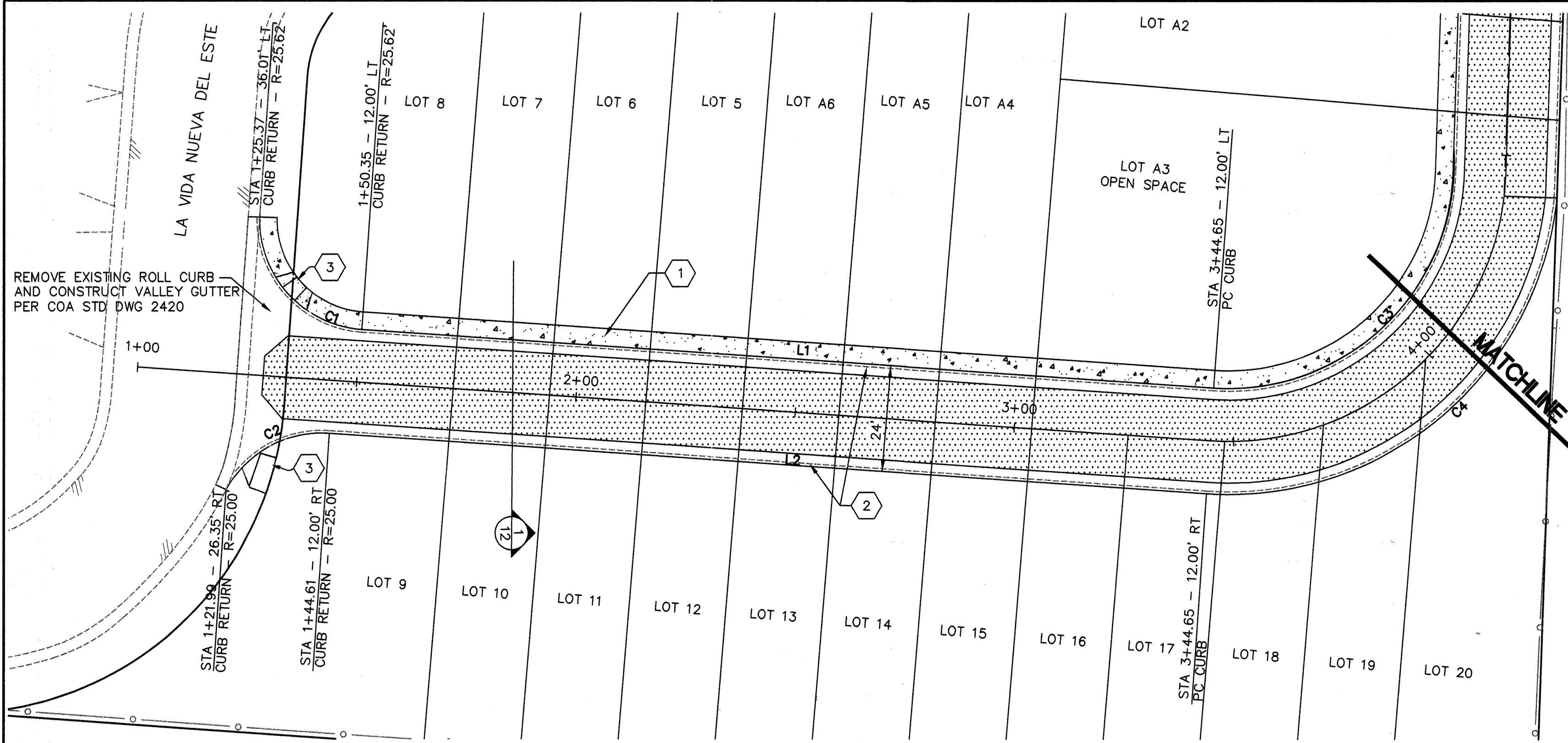
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: LA VIDA NUEVA SUBDIVISION  
GRADING & DRAINAGE PLAN - PHASE II

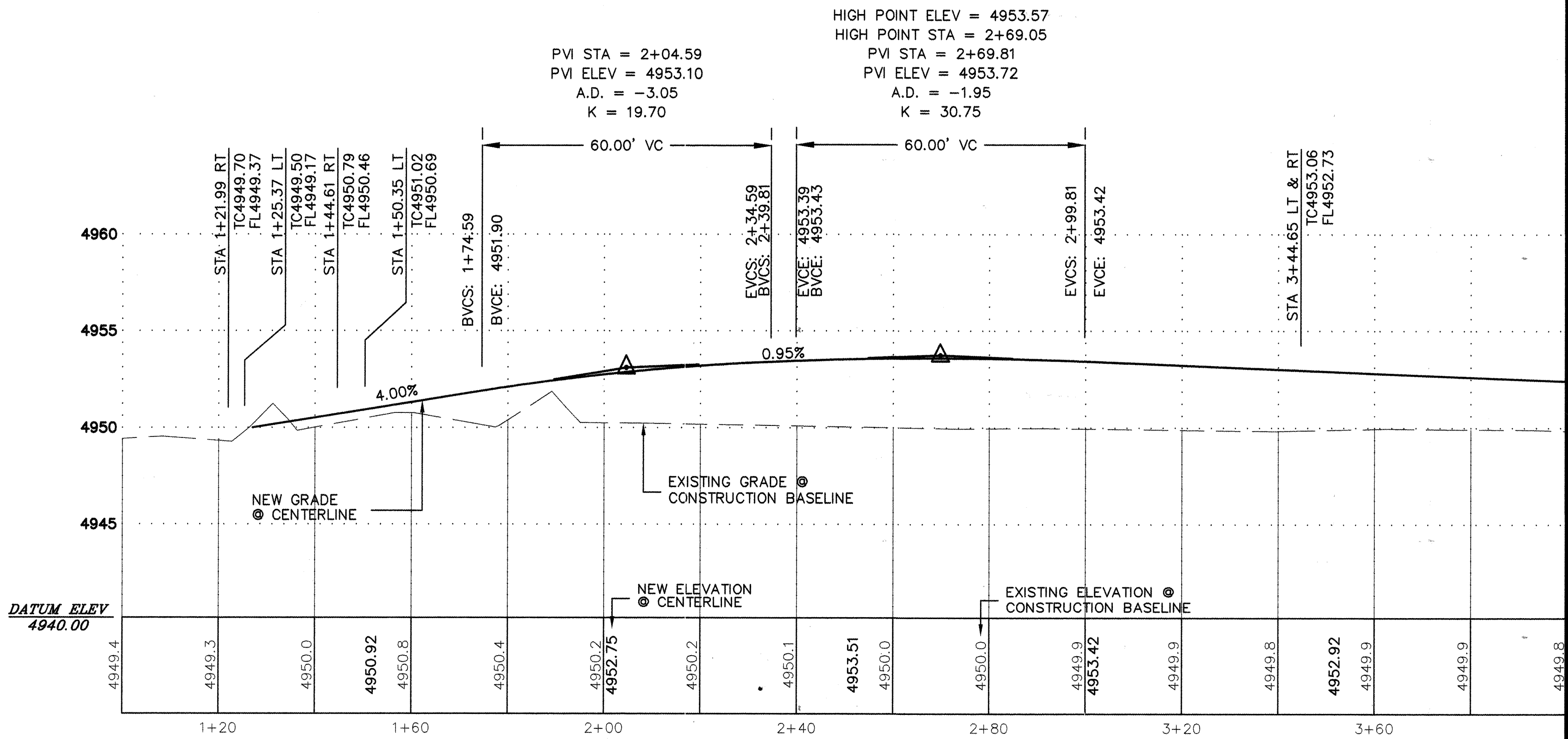
Design Review Committee City Engineer Approval  
Mo./Day/Yr. Mo./Day/Yr.

City Project No. 615181 Zone Map No. K-12-Z Sheet 4 Of 13

SCANNED BY  
MESA REPRO



LA VIDA DE RYAN - PLAN



LA VIDA DE RYAN - PROFILE

| LINE TABLE |        |             |
|------------|--------|-------------|
| LINE       | LENGTH | BEARING     |
| L1         | 194.30 | S84°12'50"E |
| L2         | 200.03 | N84°12'50"W |
| L3         | 140.23 | N03°40'42"E |
| L4         | 145.39 | S03°44'56"W |

| CURVE TABLE |        |        |         |        |             |            |
|-------------|--------|--------|---------|--------|-------------|------------|
| CURVE       | LENGTH | RADIUS | TANGENT | CHORD  | BEARING     | DELTA      |
| C1          | 39.18  | 25.62  | 24.57   | 35.47  | S40°24'30"E | 87°36'41"  |
| C2          | 24.36  | 25.62  | 13.19   | 23.45  | S68°32'42"W | 54°28'55"  |
| C3          | 82.98  | 51.62  | 53.55   | 74.33  | N49°43'56"E | 92°6'28"   |
| C4          | 114.41 | 74.38  | 71.99   | 103.46 | N51°43'16"E | 88°7'46"   |
| C5          | 35.85  | 52.38  | 18.66   | 35.15  | N15°55'36"W | 39°12'32"  |
| C6          | 30.65  | 29.62  | 16.86   | 29.30  | S05°53'18"E | 59°17'8"   |
| C7          | 52.57  | 29.62  | 36.38   | 45.94  | N47°10'02"W | 101°41'27" |

ALL CURVE DATA IS TO THEORETICAL FACE OF CURB

| LA VIDA NUEVA DEL ESTE |                       |
|------------------------|-----------------------|
| C1                     |                       |
| 1                      | TC 4949.50 FL 4949.17 |
| 2                      | - 4950.00             |
| 3                      | 4951.15 4950.82       |
| Δ = 87°44'60"          |                       |
| R = 25.62'             |                       |
| FL INT. = 4950.00      |                       |

LA VIDA DE RYAN

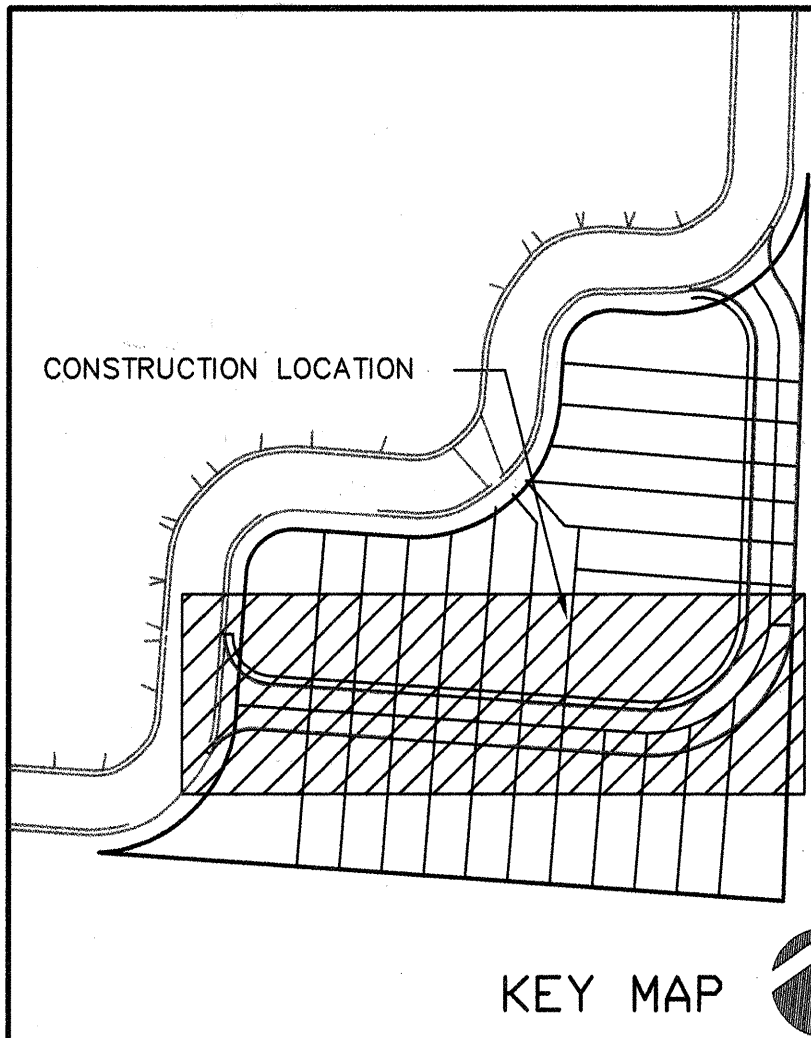
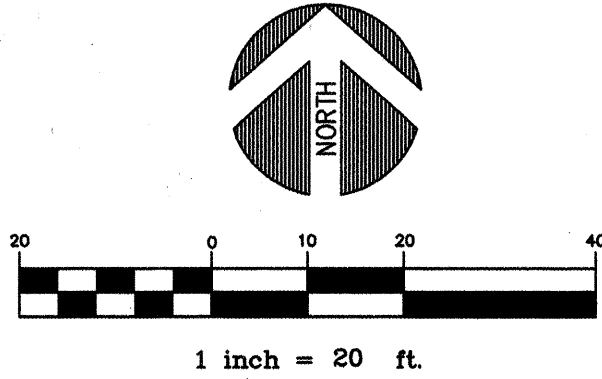
| LA VIDA DE RYAN   |                       |
|-------------------|-----------------------|
| C2                |                       |
| 1                 | TC 4949.70 FL 4949.37 |
| 2                 | - 4950.10             |
| 3                 | 4951.15 4950.82       |
| Δ = 64°47'50"     |                       |
| R = 25.00'        |                       |
| FL INT. = 4950.10 |                       |

ALL QUARTER POINT DATA IS TO THEORETICAL FACE OF CURB

| LEGEND      |          |     |
|-------------|----------|-----|
| DESCRIPTION | EXISTING | NEW |
| ROLL CURB   | ---      | --- |
| ASPHALT     | ---      | --- |
| SIDEWALK    | ---      | --- |

- KEYNOTES
1. CONSTRUCT 4' CONCRETE SIDEWALK PER COA STD DWG 2430.
  2. CONSTRUCT ROLL TYPE MOUNTABLE CURB PER COA STD DWG 2415.
  3. CONSTRUCT HANDICAP RAMP PER COA STD DWG 2426.

SCALE  
HORIZ: 1"=20'  
VERT: 1"=5'

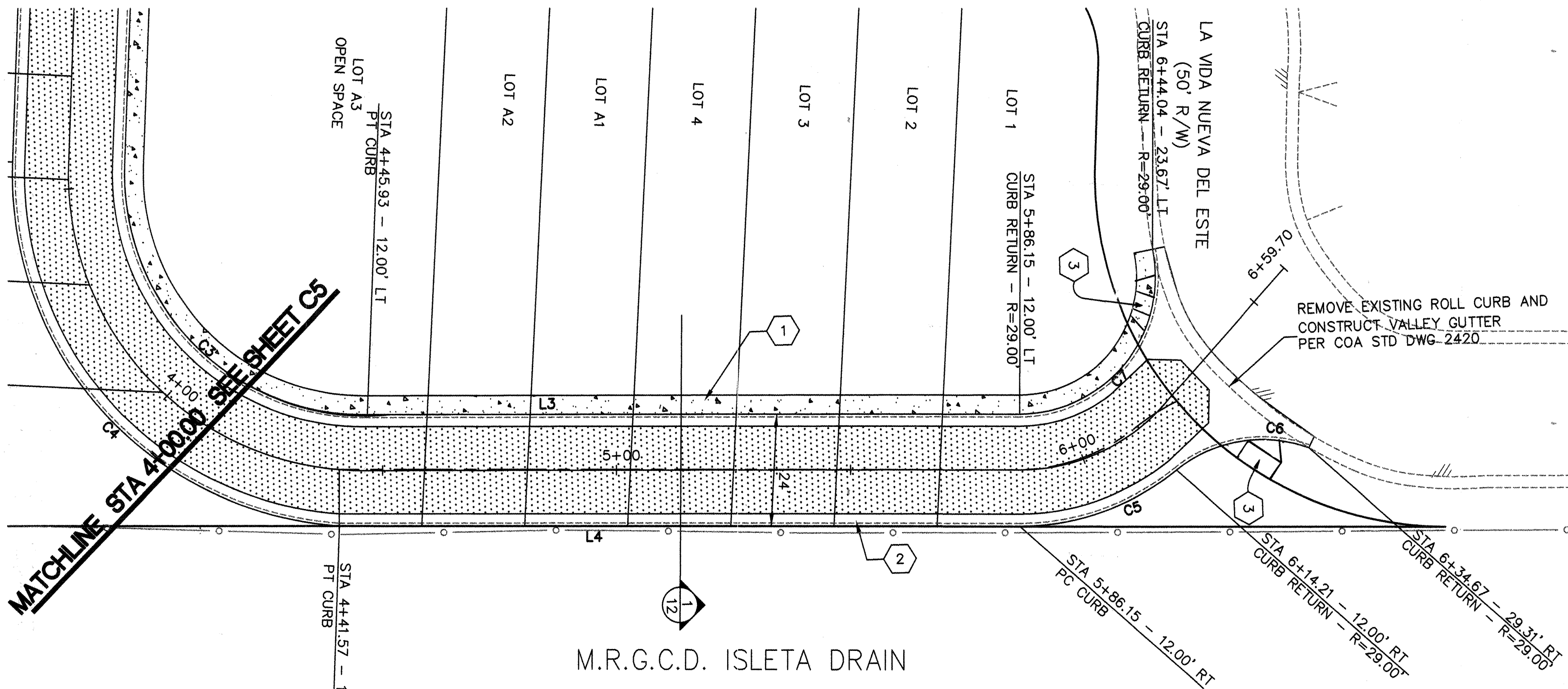


|                                                                                 |                        |
|---------------------------------------------------------------------------------|------------------------|
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING DEVELOPMENT GROUP |                        |
| TITLE:<br>LA VIDA NUEVA SUBDIVISION<br>LA VIDA DE RYAN - ROADWAY PLAN & PROFILE |                        |
| Design Review Committee:                                                        | City Engineer Approval |
| Mo./Day/Yr.                                                                     | Mo./Day/Yr.            |
| City Project No.                                                                | Zone Map No.           |
| 615181                                                                          | K-12-Z                 |
| Sheet                                                                           | Of                     |
| 5                                                                               | 13                     |

| SURVEY INFORMATION |                                                     | BENCH MARKS |             | AS BUILT INFORMATION                                                                                                                               |      |
|--------------------|-----------------------------------------------------|-------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------|
| NO.                | BY                                                  | DATE        | FIELD NOTES | CONTRACTOR                                                                                                                                         | DATE |
|                    | SURVEY BY CHAVEZ-GRIEVES CONSULTING ENGINEERS, INC. |             |             | (TBM) SET BOHANNAN-HUSTON BRASS CAP STAMPED HRA-2, LOCATED AT THE NORTHEAST CORNER OF THE HEATHER RAE ADDITION.                                    |      |
|                    | ALBUQUERQUE, NM                                     | 07/98       |             | ACCS 15-112 3-1/4" ALUM. CAP RIVETTED TO A PIPE 0.25" ABOVE GROUND LOCATED 366' NORTHEAST OF CENTERLINE OF SUNSET RD ON SOUTH SIDE OF CENTRAL AVE. |      |
|                    |                                                     |             |             | ELEV. = 4962.95'                                                                                                                                   |      |

|     |      |           |
|-----|------|-----------|
| NO. | DATE | REVISIONS |
|     |      | DESIGN    |
|     |      | DATE      |
|     |      | DATE      |
|     |      | DATE      |

|             |      |
|-------------|------|
| DESIGNED BY | DATE |
| DRAWN BY    | DATE |
| CHECKED BY  | DATE |



LA VIDA DE JEAN - PLAN

| LINE TABLE |        |             |
|------------|--------|-------------|
| LINE       | LENGTH | BEARING     |
| L1         | 194.30 | S84°12'50"E |
| L2         | 200.03 | N84°12'50"W |
| L3         | 140.23 | N03°40'42"E |
| L4         | 145.39 | S03°44'56"W |

| CURVE TABLE |        |        |         |        |             |            |
|-------------|--------|--------|---------|--------|-------------|------------|
| CURVE       | LENGTH | RADIUS | TANGENT | CHORD  | BEARING     | DELTA      |
| C1          | 39.18  | 25.62  | 24.57   | 35.47  | S40°24'30"E | 87°36'41"  |
| C2          | 24.36  | 25.62  | 13.19   | 23.45  | S68°32'42"W | 54°28'55"  |
| C3          | 82.98  | 51.62  | 53.55   | 74.33  | N49°43'56"E | 92°6'28"   |
| C4          | 114.41 | 74.38  | 71.99   | 103.46 | N51°43'16"E | 88°7'46"   |
| C5          | 35.85  | 52.38  | 18.66   | 35.15  | N15°53'36"W | 39°12'32"  |
| C6          | 30.65  | 29.62  | 16.86   | 29.30  | S05°53'18"E | 59°17'8"   |
| C7          | 52.57  | 29.62  | 36.38   | 45.94  | N47°10'02"W | 101°41'27" |

ALL CURVE DATA IS TO THEORETICAL FACE OF CURB

|           | TC         | FL      |
|-----------|------------|---------|
| 1         | 4949.38    | 4949.05 |
| 2         | -          | 4949.42 |
| 3         | 4950.12    | 4949.79 |
| Δ =       | 101°41'27" |         |
| R =       | 29.00'     |         |
| FL INT. = | 4949.42    |         |

ALL QUARTER POINT DATA IS TO THEORETICAL FACE OF CURB

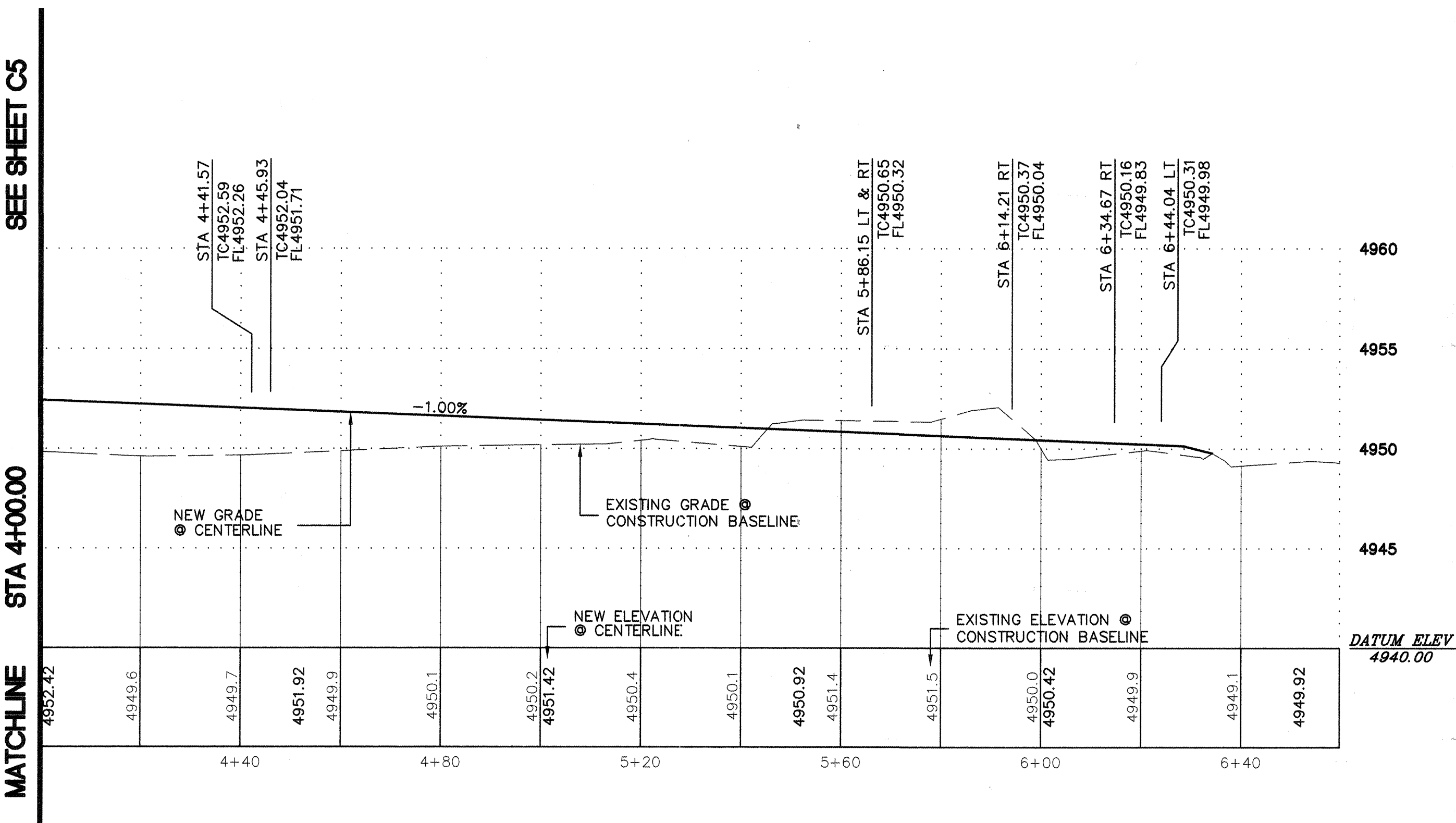
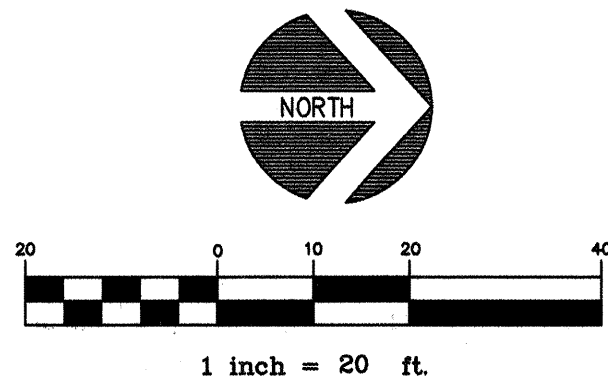
LA VIDA NUEVA DEL ESTE  
LA VIDA DE JEAN

|           | TC        | FL      |
|-----------|-----------|---------|
| 1         | 4949.55   | 4949.22 |
| 2         | -         | 4949.51 |
| 3         | 4950.12   | 4949.79 |
| Δ =       | 59°17'80" |         |
| R =       | 29.00'    |         |
| FL INT. = | 4949.51   |         |

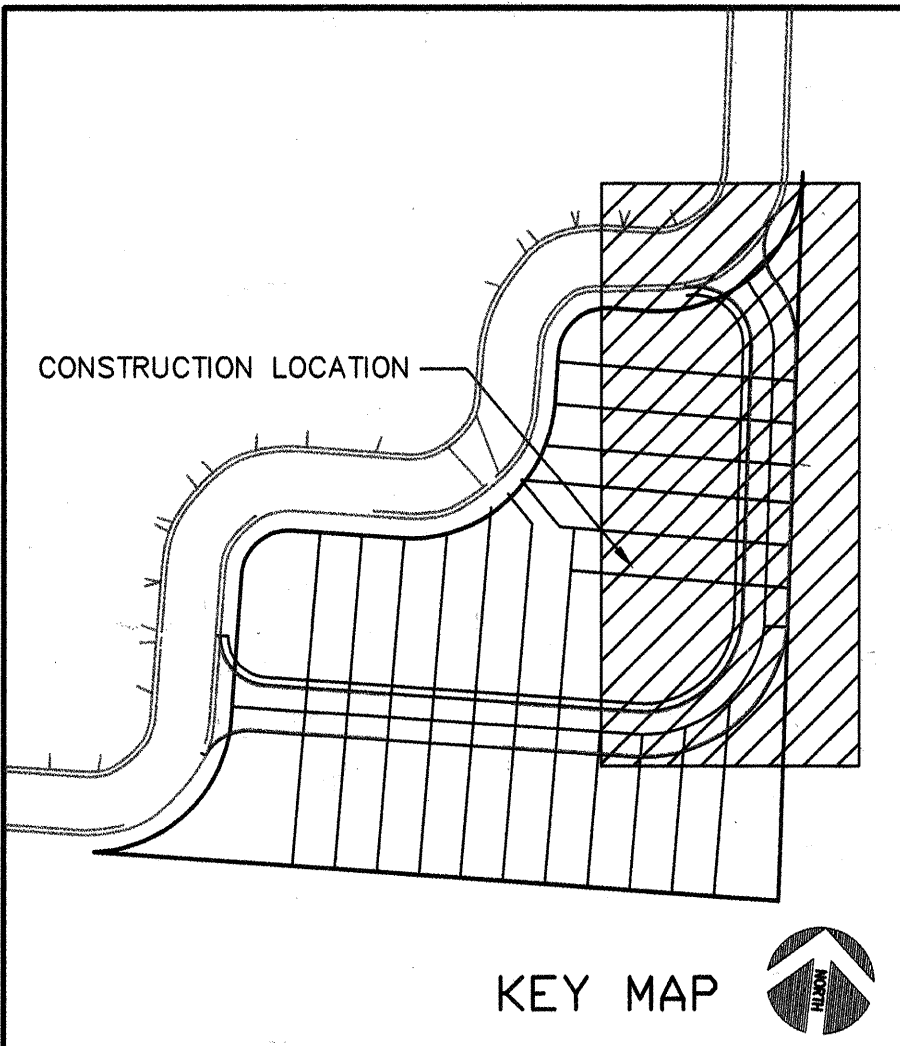
| LEGEND      |     |
|-------------|-----|
| DESCRIPTION | NEW |
| ROLL CURB   |     |
| ASPHALT     |     |
| SIDEWALK    |     |

- KEYNOTES**
1. CONSTRUCT 4' CONCRETE SIDEWALK PER COA STD DWG 2430.
  2. CONSTRUCT ROLL TYPE MOUNTABLE CURB PER COA STD DWG 2415.
  3. CONSTRUCT HANDICAP RAMP PER COA STD DWG 2426.

SCALE  
HORIZ: 1"=20'  
VERT: 1"=5'



LA VIDA DE JEAN - PROFILE



**CHAVEZ • GRIEVES**  
CONSULTING ENGINEERS, INC.  
5639 JEFFERSON STREET N.E. • ALBUQUERQUE, NEW MEXICO 87109  
PHONE (505) 344-4080 • FAX (505) 343-8759

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: LA VIDA NUEVA SUBDIVISION  
LA VIDA DE JEAN - ROADWAY PLAN & PROFILE

|                         |                        |             |             |
|-------------------------|------------------------|-------------|-------------|
| Design Review Committee | City Engineer Approval | Mo./Day/Yr. | Mo./Day/Yr. |
|                         |                        |             |             |
| City Project No.        | Zone Map No.           | Sheet       | Of          |
| 615181                  | K-12-Z                 | 6           | 13          |

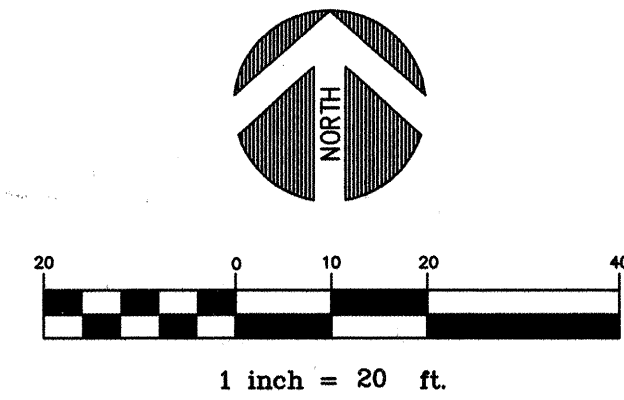
| SURVEY INFORMATION |                                                     | BENCH MARKS |    | AS BUILT INFORMATION                                                                                                                             |      |
|--------------------|-----------------------------------------------------|-------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------|------|
| NO.                | FIELD NOTES                                         | DATE        | BY | CONTRACTOR                                                                                                                                       | DATE |
|                    | SURVEY BY CHAVEZ-GRIEVES CONSULTING ENGINEERS, INC. |             |    | SET BOHANNAN-HUSTON BRASS CAP STAMPED HRA-2, LOCATED AT THE NORTHEAST CORNER OF THE HEATHER RAE ADDITION.                                        |      |
|                    | ENGINEERS, INC.                                     |             |    | ELEV. = 4950.63'                                                                                                                                 |      |
|                    | ALBUQUERQUE, NM                                     | 07/98       |    | ACS 15-J12 3-1/4" ALUM. CAP RIVETED TO A PIPE 0.25" ABOVE GROUND LOCATED 356' NORTHEAST OF CENTERLINE OF SUNSET RD ON SOUTH SIDE OF CENTRAL AVE. |      |
|                    |                                                     |             |    | ELEV. = 4962.95'                                                                                                                                 |      |

REVISIONS

| NO. | DATE  | BY         | REMARKS |
|-----|-------|------------|---------|
| 1   | 05-99 | J. KELLEY  | DESIGN  |
| 2   | 05-99 | J. KELLEY  | DRAWN   |
| 3   | 05-99 | D. GRIEVES | CHECKED |

ENGINEER'S SEAL: DAVID R. GRIEVES, STATE OF NEW MEXICO, NO. 612, REGISTERED PROFESSIONAL ENGINEER

SCANNED BY  
MESA REPRO



## KEY MAP



CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

|        |                                                                    |
|--------|--------------------------------------------------------------------|
| TITLE: | LA VIDA NUEVA SUBDIVISION<br>WATER & SANITARY SEWER PLAN - OVERALL |
|--------|--------------------------------------------------------------------|

|                                                                                                                  |  |                        |  |                    |             |             |
|------------------------------------------------------------------------------------------------------------------|--|------------------------|--|--------------------|-------------|-------------|
| Design Review Committee<br> |  | City Engineer Approval |  | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr. |
|                                                                                                                  |  |                        |  |                    |             |             |
|                                                                                                                  |  |                        |  |                    |             |             |
|                                                                                                                  |  |                        |  |                    |             |             |
|                                                                                                                  |  |                        |  |                    |             |             |
| City Project No.<br>615181                                                                                       |  | Zone Map No.<br>K-12-Z |  | Sheet<br>7         | Of<br>13    |             |

| DESCRIPTION       | EXISTING         | NEW           |
|-------------------|------------------|---------------|
| OVERHEAD ELECTRIC | —OHE—            | —SAS—         |
| SANITARY SEWER    | —SAS—            | —W—           |
| WATER LINE        | —W—              | ●             |
| MANHOLE           | ○                | ●             |
| ROLL CURB         | =====            | =====         |
| ASPHALT           | ====//====//==== | [Hatched Box] |
| WOOD FENCE        |                  | —○—○—○—○—     |
| POWER POLE        | ○ PP             |               |
| LIGHT POLE        | ○ LP             |               |
| SAS FLUSHOUT      |                  | ○             |

## NOTES

1. REFER TO SHEETS 8 & 9 FOR WATER & SEWER PLAN & PROFILES.
  2. ALL WATERLINE TEES SHALL HAVE 37 LF RESTRAINED JOINTS.
  3. ALL 45" WATERLINE BENDS SHALL HAVE 8 LF RESTRAINED JOINTS.
  4. ALL 22.5" WATERLINE BENDS SHALL HAVE 4 LF RESTRAINED JOINTS.
  5. ALL 11.25" WATERLINE BENDS SHALL HAVE 2 LF RESTRAINED JOINTS.
  6. REMOVE & REPLACE EXISTING ASPHALT PER COA STD DWG 2465.
- PAVING LIMITS TO BE DETERMINED BY CONTRACTOR AND LIMITED TO UTILITY INSTALLATION ONLY.

[illegible]



\* - LOT DOES NOT MEET COA RECOMMENDED MINIMUM COVER OVER SAS PIPES.

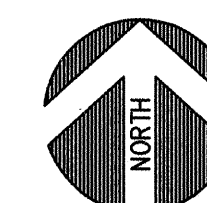


## KEYNOTES

1 INSTALL 8" x 4" WYE. INSTALL SERVICE LINE AT 1% SLOPE FROM MAIN LINE.

SCALE

HORIZ: 1"=20'  
VERT: 1"=5'



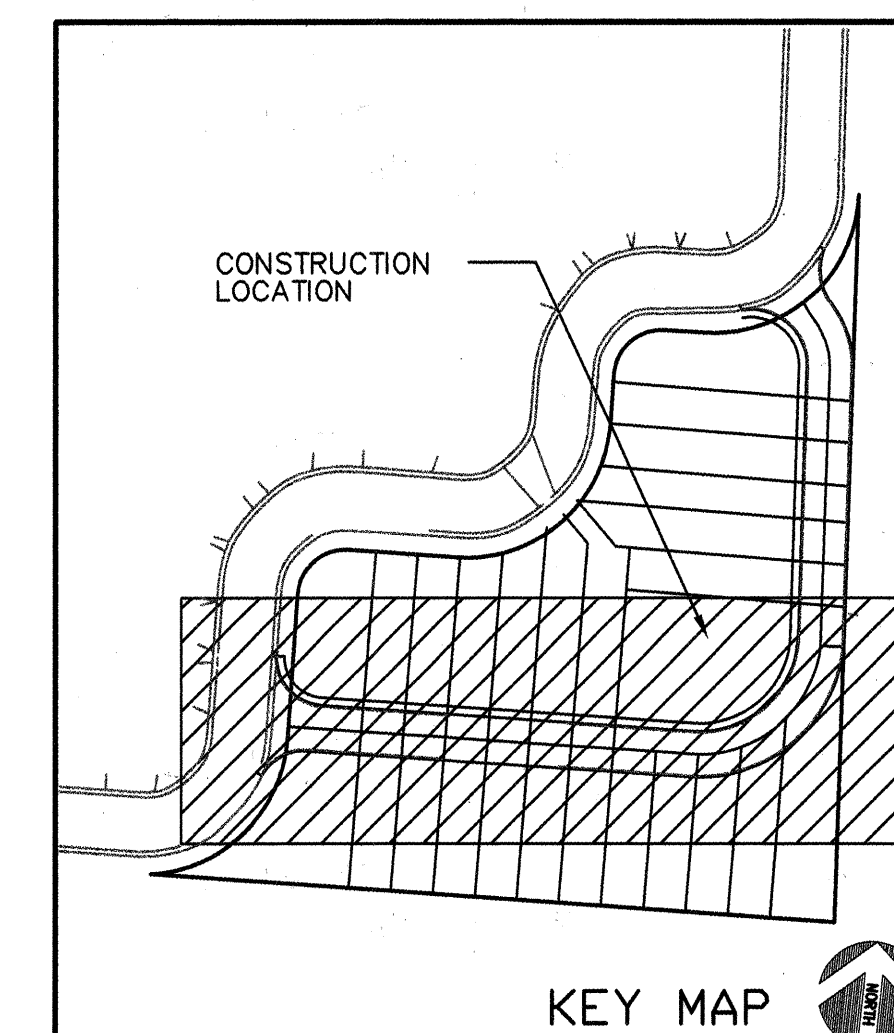
1 inch = 20 ft.

**SANITARY SEWER SERVICE TABLE AT EASEMENT LINE**

| LOT | STATION | OFFSET | ELEVATION @ EASEMENT |
|-----|---------|--------|----------------------|
| A4  | 2+95.82 | 16 LT  | 4947.76              |
| A5  | 2+75.32 | 16 LT  | 4947.86              |
| A6  | 2+48.03 | 16 LT  | 4948.00              |
| 5   | 2+31.32 | 16 LT  | 4948.08              |
| 6   | 2+04.03 | 16 LT  | 4948.22              |
| 7   | 1+87.31 | 16 LT  | 4948.30              |
| 8   | 1+57.35 | 16 LT  | 4948.48              |
| 9   | 1+56.98 | 12 RT  | 4948.38              |
| 10  | 1+83.94 | 12 RT  | 4948.28              |
| 11  | 2+00.66 | 12 RT  | 4948.19              |
| 12  | 2+27.95 | 12 RT  | 4948.05              |
| 13  | 2+44.67 | 12 RT  | 4947.97              |
| 14  | 2+71.95 | 12 RT  | 4947.84              |
| 15  | 2+90.17 | 12 RT  | 4947.74              |
| 16  | 3+17.45 | 12 RT  | 4947.61              |
| 17  | 3+34.17 | 12 RT  | 4947.52              |
| 18  | 3+61.01 | 12 RT  | 4947.39              |
| 19  | 3+76.40 | 12 RT  | 4947.39              |
| 20  | 4+06.88 | 12 RT  | 4947.30              |

### WATER METER TABLE

| LOT     | STATION | OFFSET   | TYPE   |
|---------|---------|----------|--------|
| A4 & A5 | 2+79.38 | 12 LT    | DOUBLE |
| A6 & 5  | 2+35.37 | 12 LT    | DOUBLE |
| 6 & 7   | 1+91.37 | 12 LT    | DOUBLE |
| 8       | 1+49.04 | 12 LT    | SINGLE |
| 9       | 1+41.49 | 11.44 RT | SINGLE |
| 10 & 11 | 1+96.55 | 12 RT    | DOUBLE |
| 12 & 13 | 2+40.56 | 12 RT    | DOUBLE |
| 14 & 15 | 2+84.56 | 12 RT    | DOUBLE |
| 16 & 17 | 3+25.79 | 12 RT    | DOUBLE |
| 18 & 19 | 3+66.36 | 12 RT    | DOUBLE |
| 20      | 3+87.86 | 12 RT    | SINGLE |

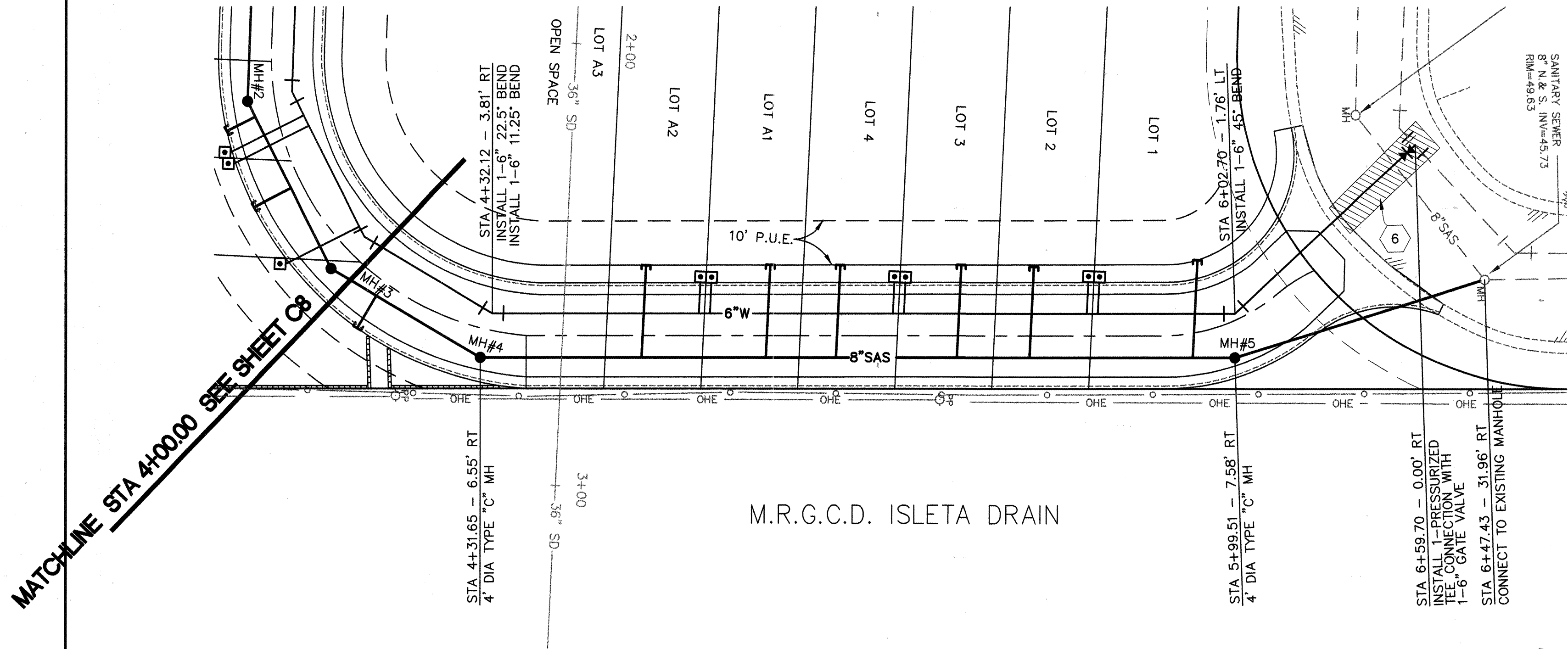


CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

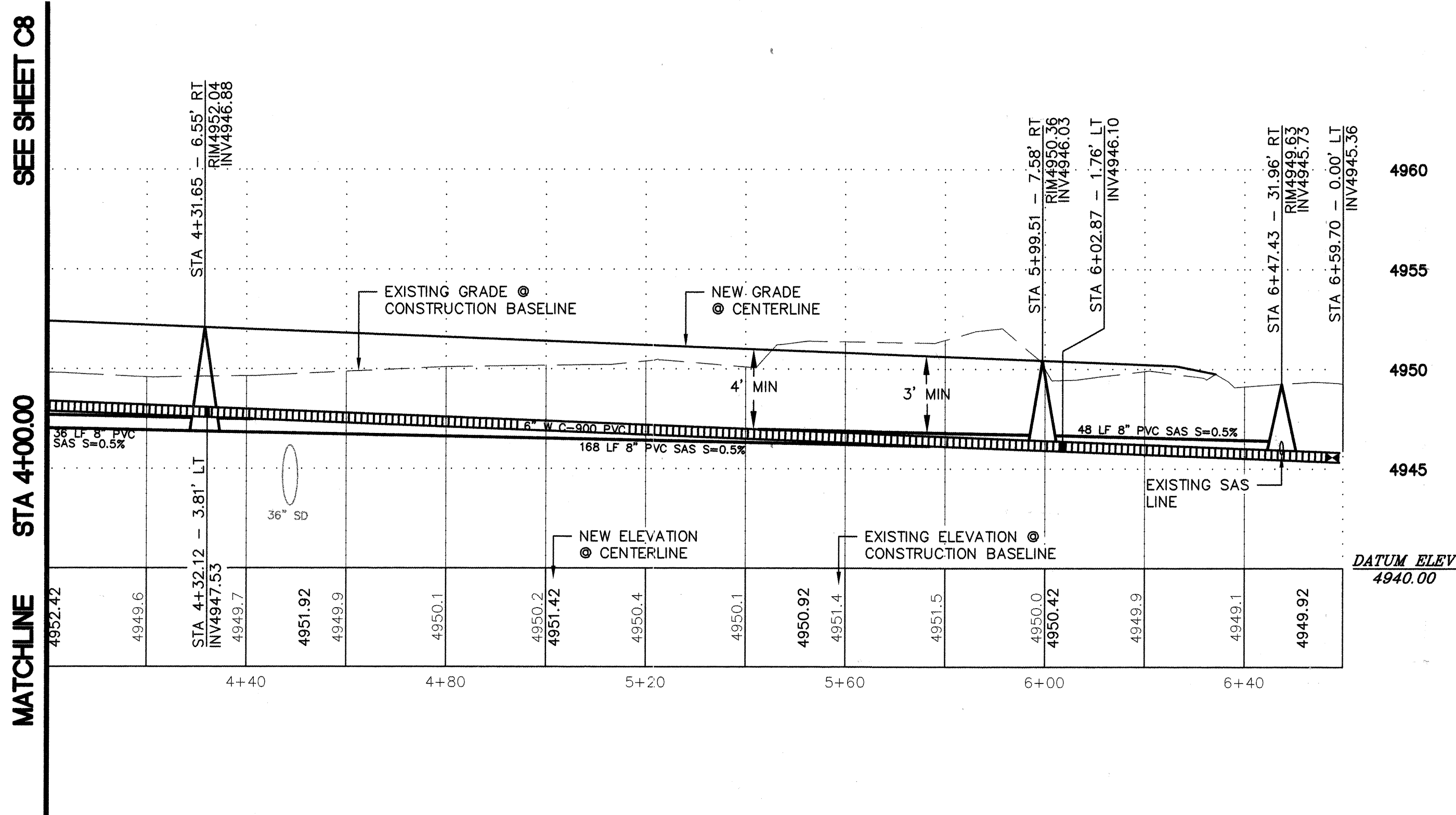
TITLE: LA VIDA NUEVA SUBDIVISION  
LA VIDA DE RYAN - WATER & SANITARY SEWER PLAN & PROFILE

|                                                                                                                  |  |                        |  |                    |             |             |
|------------------------------------------------------------------------------------------------------------------|--|------------------------|--|--------------------|-------------|-------------|
| Design Review Committee<br> |  | City Engineer Approval |  | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr. |
|                                                                                                                  |  |                        |  |                    |             |             |
|                                                                                                                  |  |                        |  |                    |             |             |
|                                                                                                                  |  |                        |  |                    |             |             |
|                                                                                                                  |  |                        |  |                    |             |             |
| City Project No.                                                                                                 |  | Zone Map No.           |  | Sheet              | Of          |             |
| 615181                                                                                                           |  | K-12-Z                 |  | 8                  | 13          |             |

SCANNED BY  
MESA REPRO



LA VIDA DE JEAN - PLAN



LA VIDA DE JEAN - PROFILE

| SANITARY SEWER SERVICE TABLE AT EASEMENT LINE |         |        |                      |
|-----------------------------------------------|---------|--------|----------------------|
| LOT                                           | STATION | OFFSET | ELEVATION @ EASEMENT |
| 1                                             | 5+97.89 | 16 LT  | 4946.24              |
| 2                                             | 5+56.06 | 16 LT  | 4946.42              |
| 3                                             | 5+39.56 | 16 LT  | 4946.50              |
| 4                                             | 5+12.10 | 16 LT  | 4946.64              |
| A1                                            | 4+96.17 | 16 LT  | 4946.72              |
| A2                                            | 4+67.97 | 16 LT  | 4946.86              |
| A3                                            | N/A     | N/A    | N/A                  |

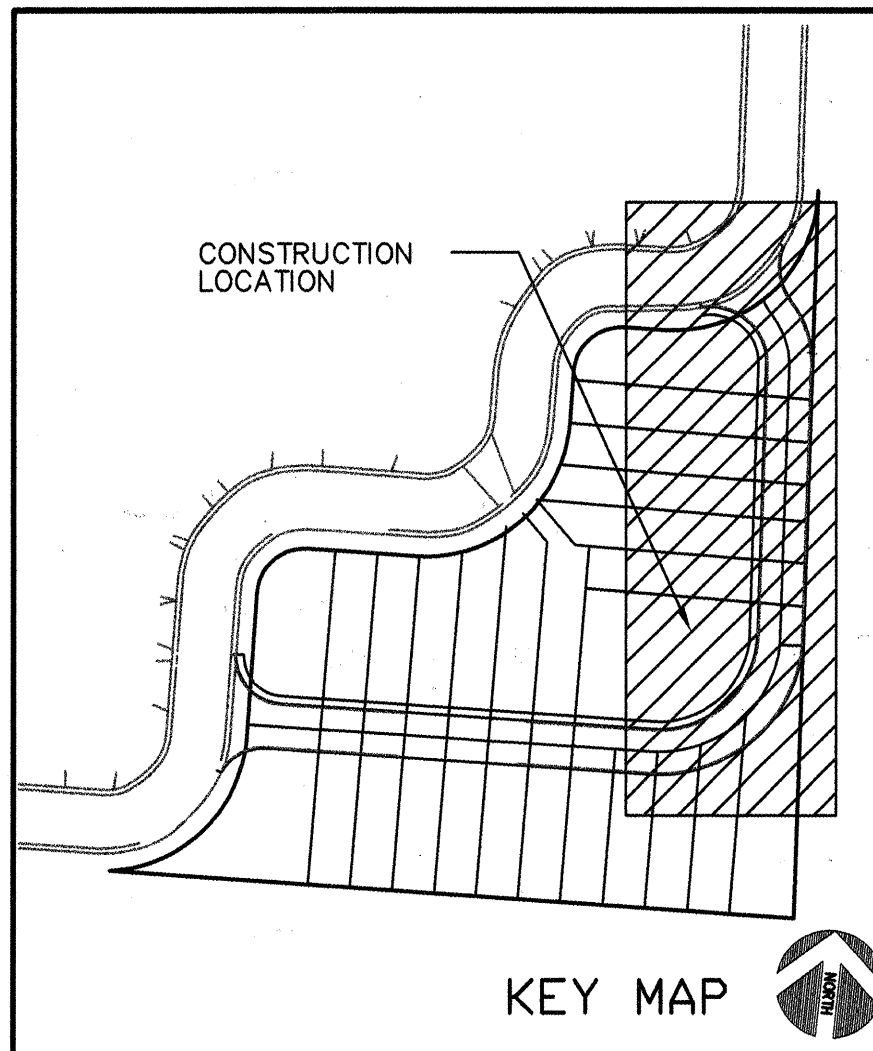
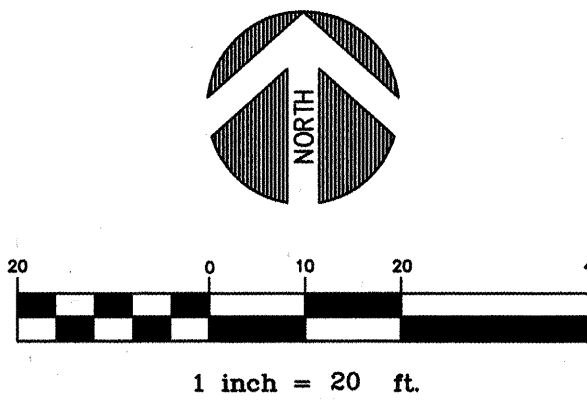
| WATER METER TABLE |         |        |        |
|-------------------|---------|--------|--------|
| LOT               | STATION | OFFSET | TYPE   |
| 1 & 2             | 5+69.66 | 12 LT  | DOUBLE |
| 3 & 4             | 5+25.60 | 12 LT  | DOUBLE |
| A1 & A2           | 4+81.54 | 12 LT  | DOUBLE |

| LEGEND            |     |
|-------------------|-----|
| DESCRIPTION       | NEW |
| OVERHEAD ELECTRIC | OHE |
| SANITARY SEWER    | SAS |
| WATER LINE        | W   |
| MANHOLE           |     |
| ROLL CURB         |     |
| ASPHALT           |     |
| WOOD FENCE        |     |
| POWER POLE        |     |
| LIGHT POLE        |     |

NOTES

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SCALE  
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VERT: 1"=5'



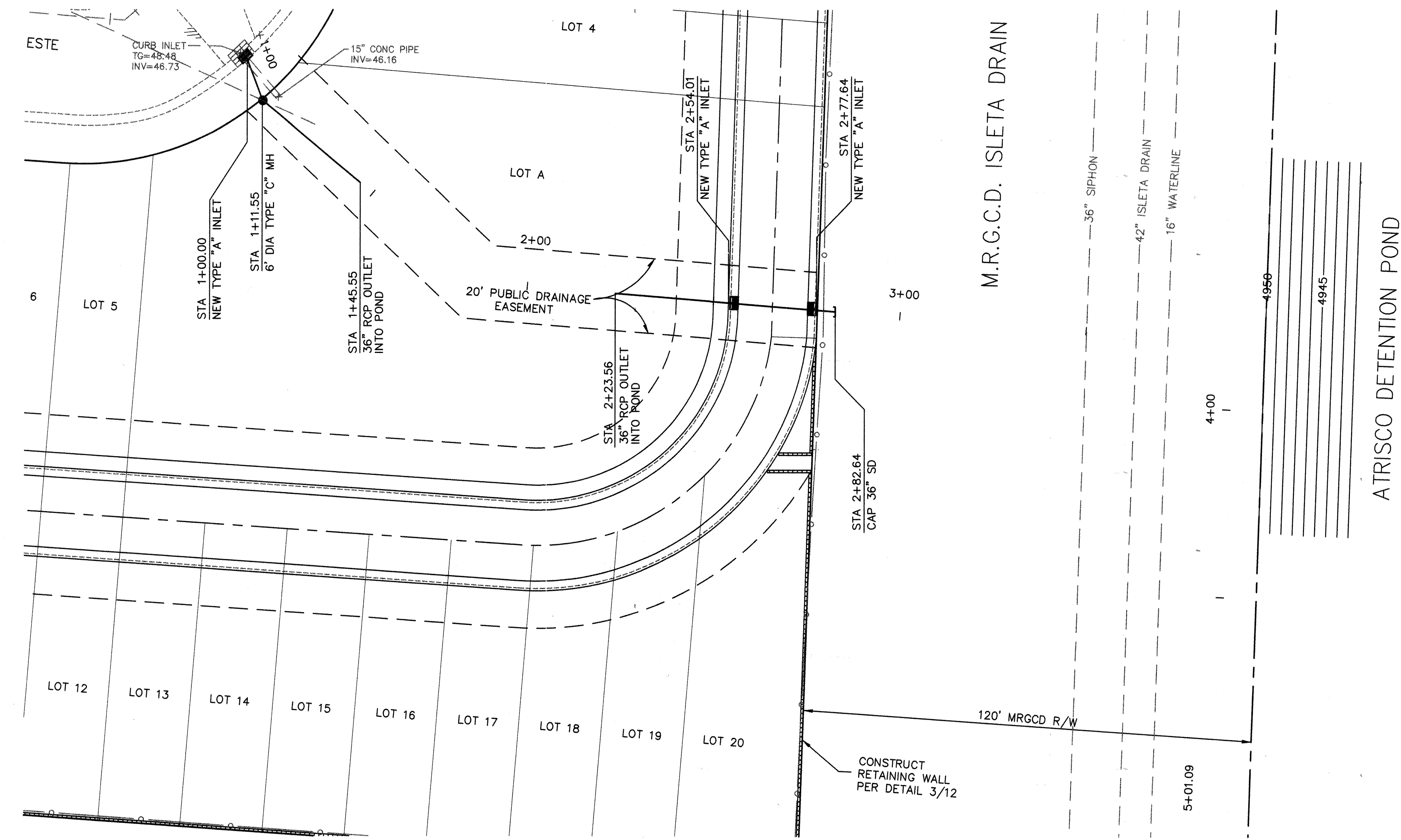
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: LA VIDA NUEVA SUBDIVISION  
LA VIDA DE JEAN - WATER & SANITARY SEWER PLAN & PROFILE

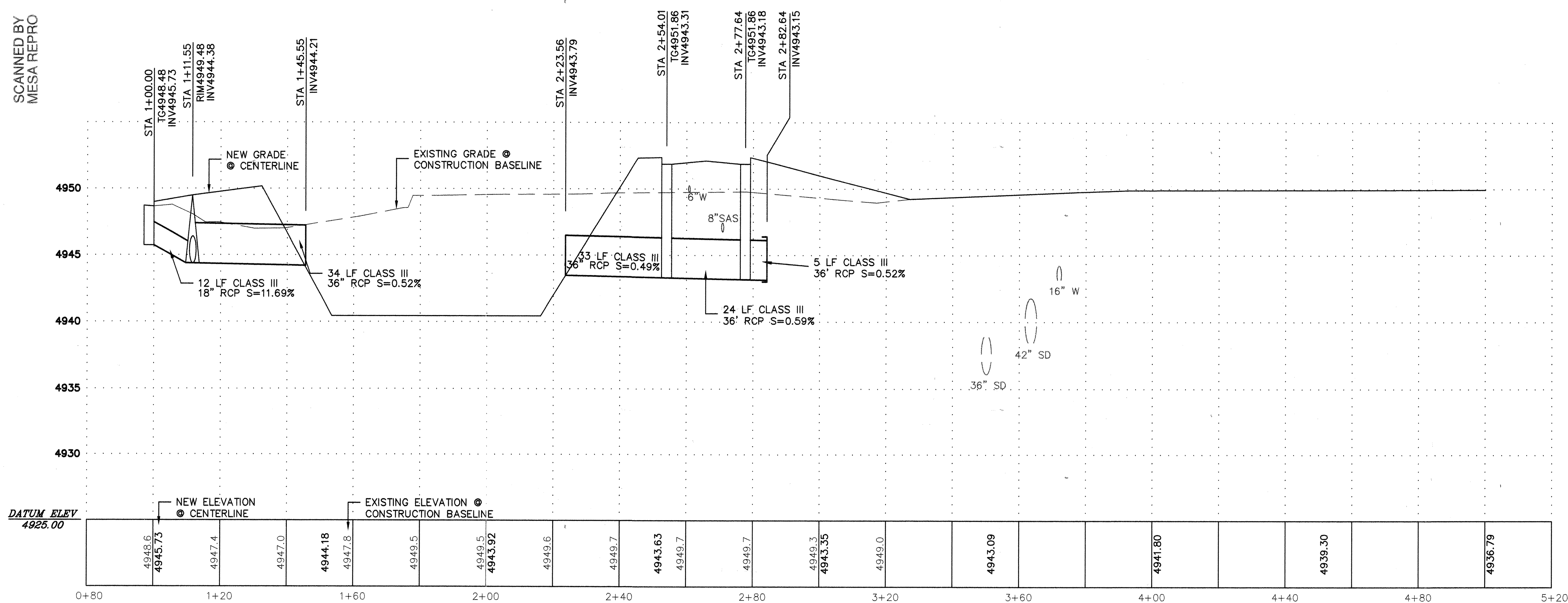
|                         |                        |         |         |
|-------------------------|------------------------|---------|---------|
| Design Review Committee | City Engineer Approval | Mo./Yr. | Mo./Yr. |
| JUL 16 1999             |                        |         |         |
| City Project No.        | Zone Map No.           | Sheet   | Of      |
| 615181                  | K-12-Z                 | 9       | 13      |

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NO. 115-100-5198  
FILE: LA-SPP-DWG  
ENG/TECH: K/J/K  
REV: 05-24-99 K



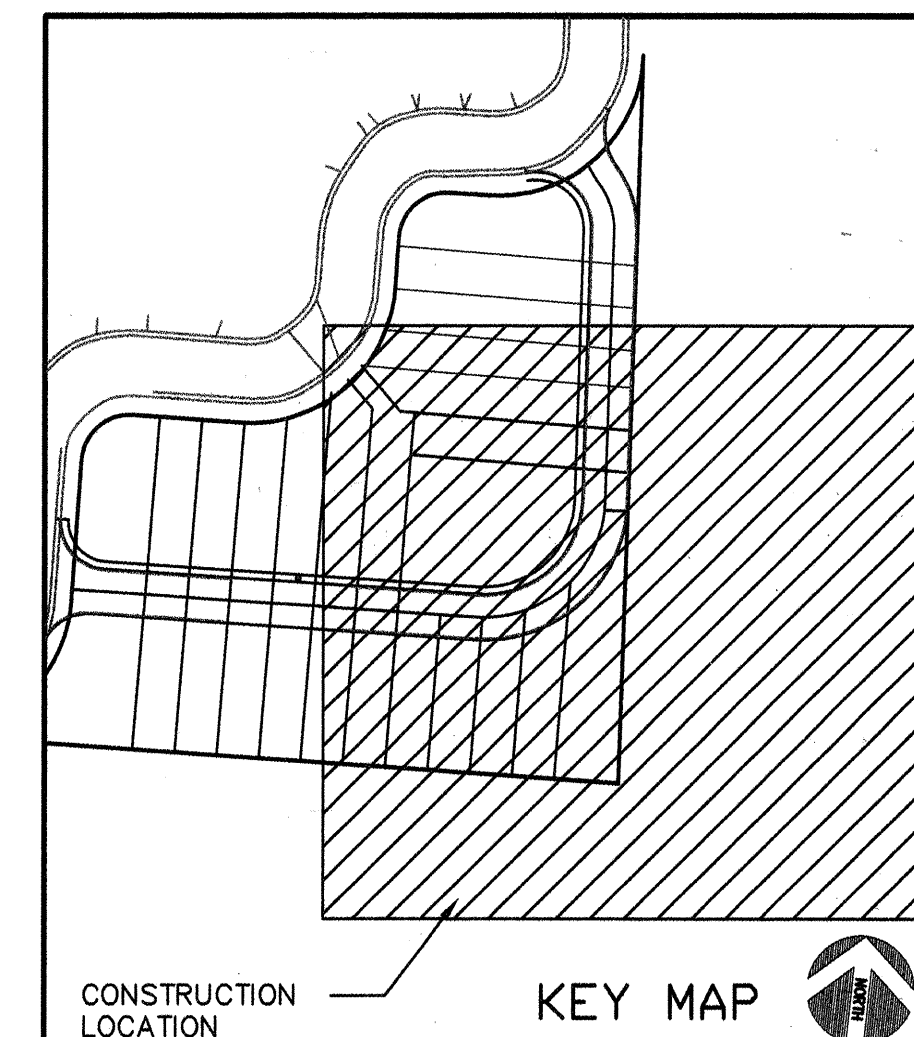
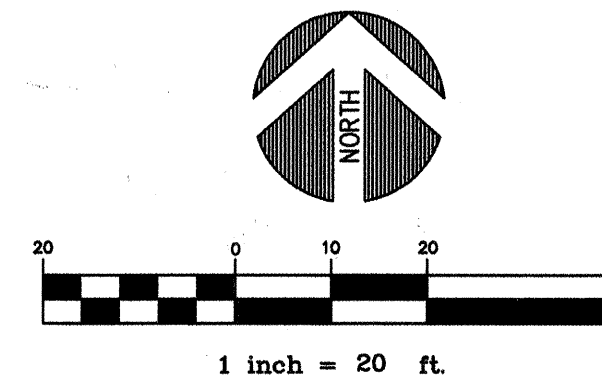
STORM DRAIN - PLAN



STORM DRAIN - PROFILE

| DESCRIPTION | LEGEND   |          |
|-------------|----------|----------|
|             | EXISTING | NEW      |
| WATER LINE  | — W —    | — W —    |
| STORM DRAIN | — SD —   | — SD —   |
| MANHOLE     | ○        | ●        |
| ROLL CURB   | —        | —        |
| WOOD FENCE  | —        | —        |
| CONTOURS    | — 4950 — | — 4950 — |

SCALE  
HORIZ: 1"=20'  
VERT: 1"=5'



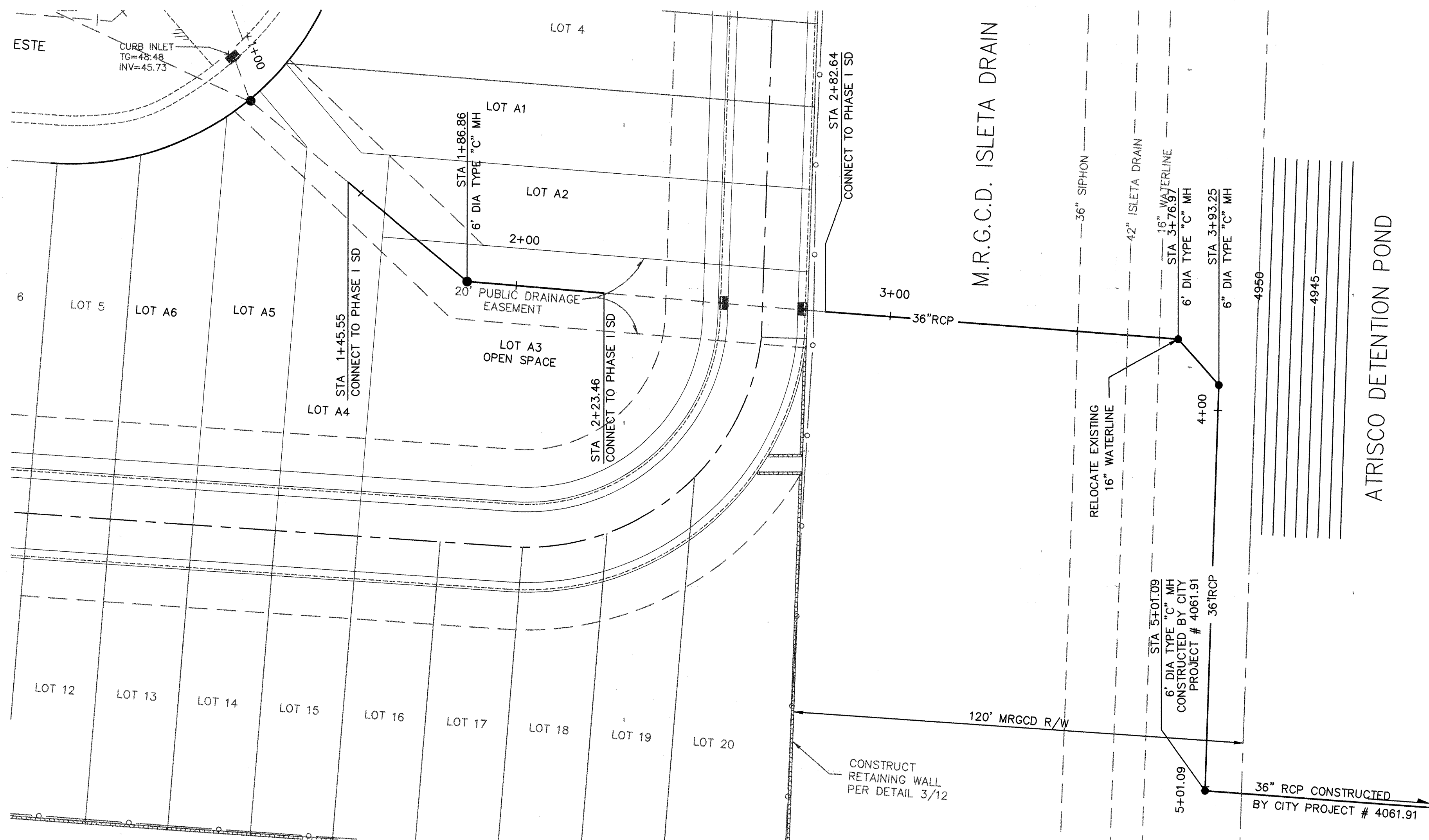
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: LA VIDA NUEVA SUBDIVISION  
STORM DRAIN PLAN & PROFILE - PHASE I

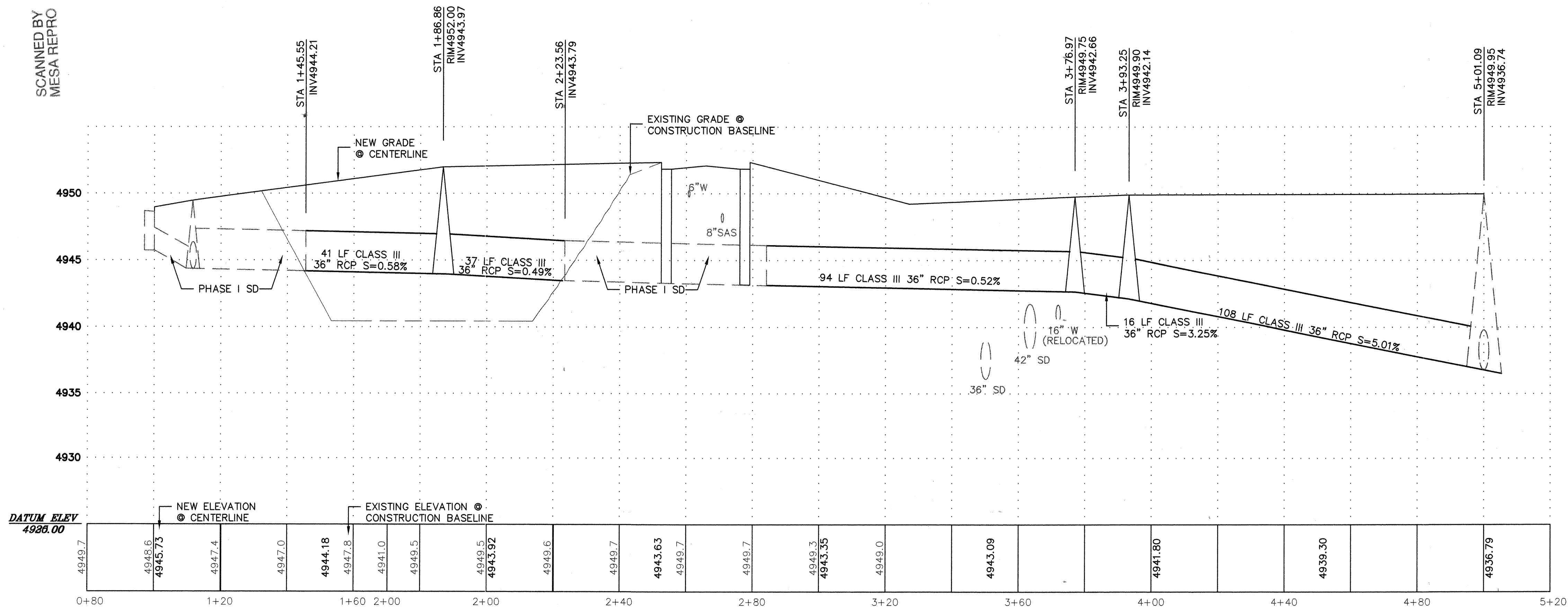
|                                            |                        |             |             |
|--------------------------------------------|------------------------|-------------|-------------|
| Design Review Committee                    | City Engineer Approval | Mo./Day/Yr. | Mo./Day/Yr. |
| APPROVED<br>JUL 16 1999<br>VI. [Signature] | [Signature]            |             |             |
| City Project No.                           | Zone Map No.           | Sheet       | Of          |
| 615181                                     | K-12-Z                 | 10          | 13          |

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SEE PG. 1135-1136-5198  
DATE: 04/25/99  
ENG/TECH: J.K./J.K.  
REV: 05-24-99 J.K.



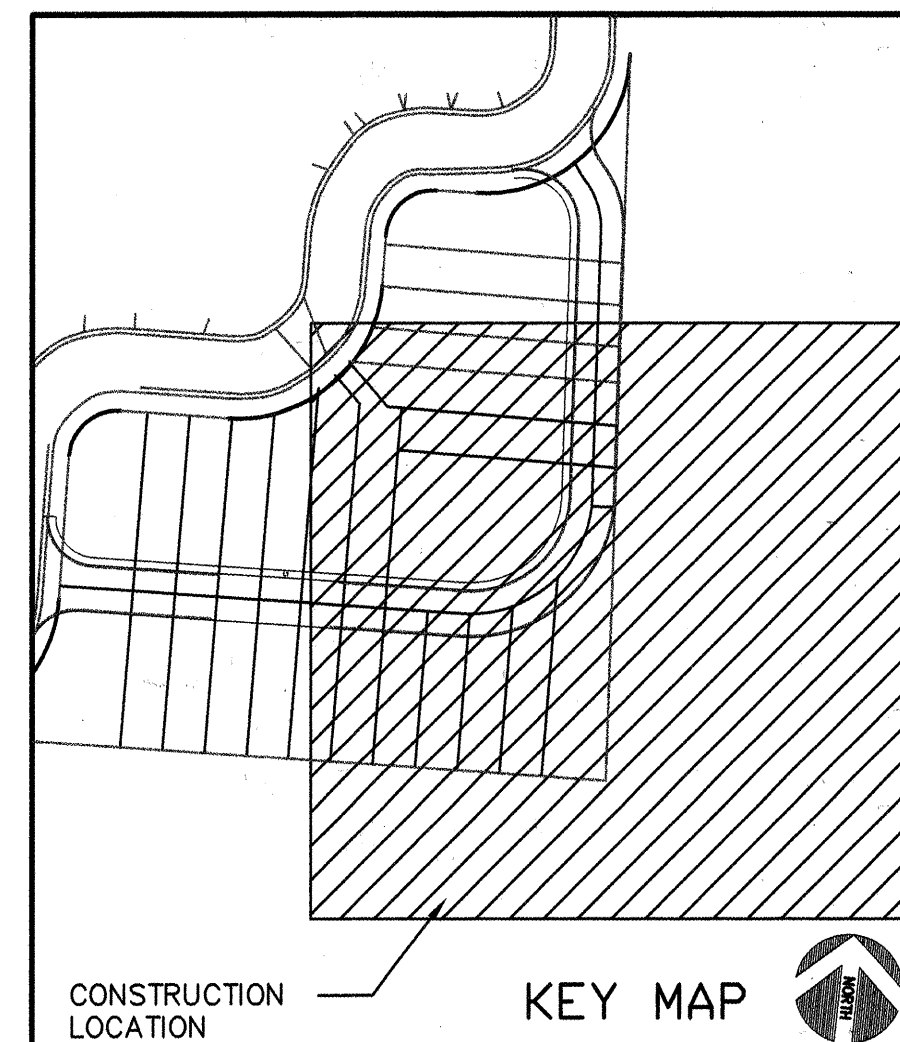
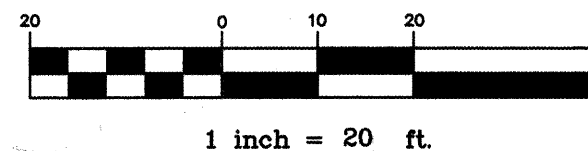
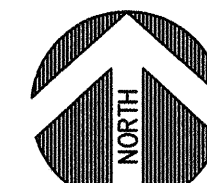
STORM DRAIN - PLAN



STORM DRAIN - PROFILE

| DESCRIPTION | LEGEND   |      |
|-------------|----------|------|
|             | EXISTING | NEW  |
| WATER LINE  | W        | W    |
| STORM DRAIN | SD       | SD   |
| MANHOLE     |          |      |
| ROLL CURB   |          |      |
| WOOD FENCE  |          |      |
| CONTOURS    | 4950     | 4950 |

SCALE  
HORIZ: 1"=20'  
VERT: 1"=5'



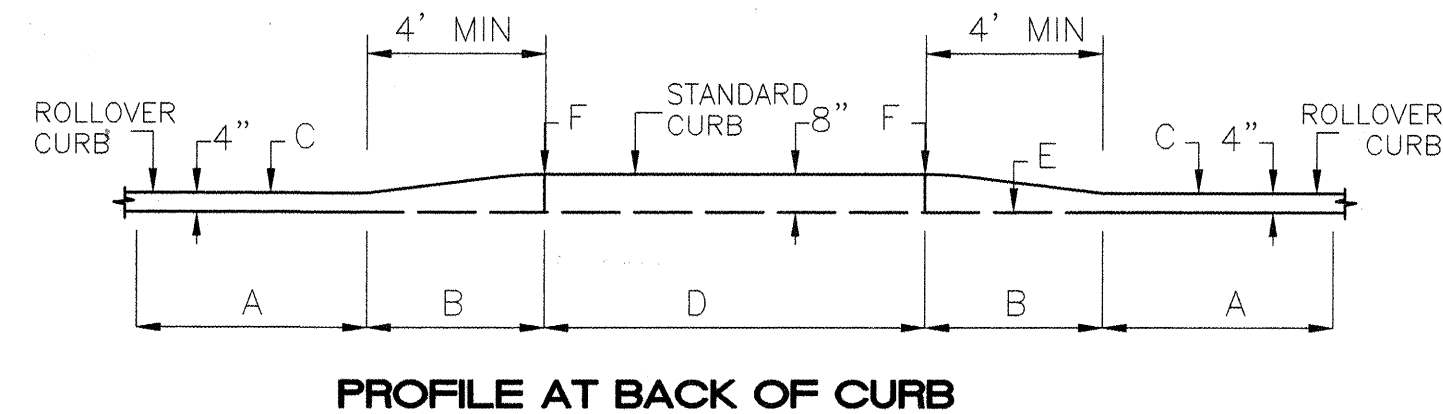
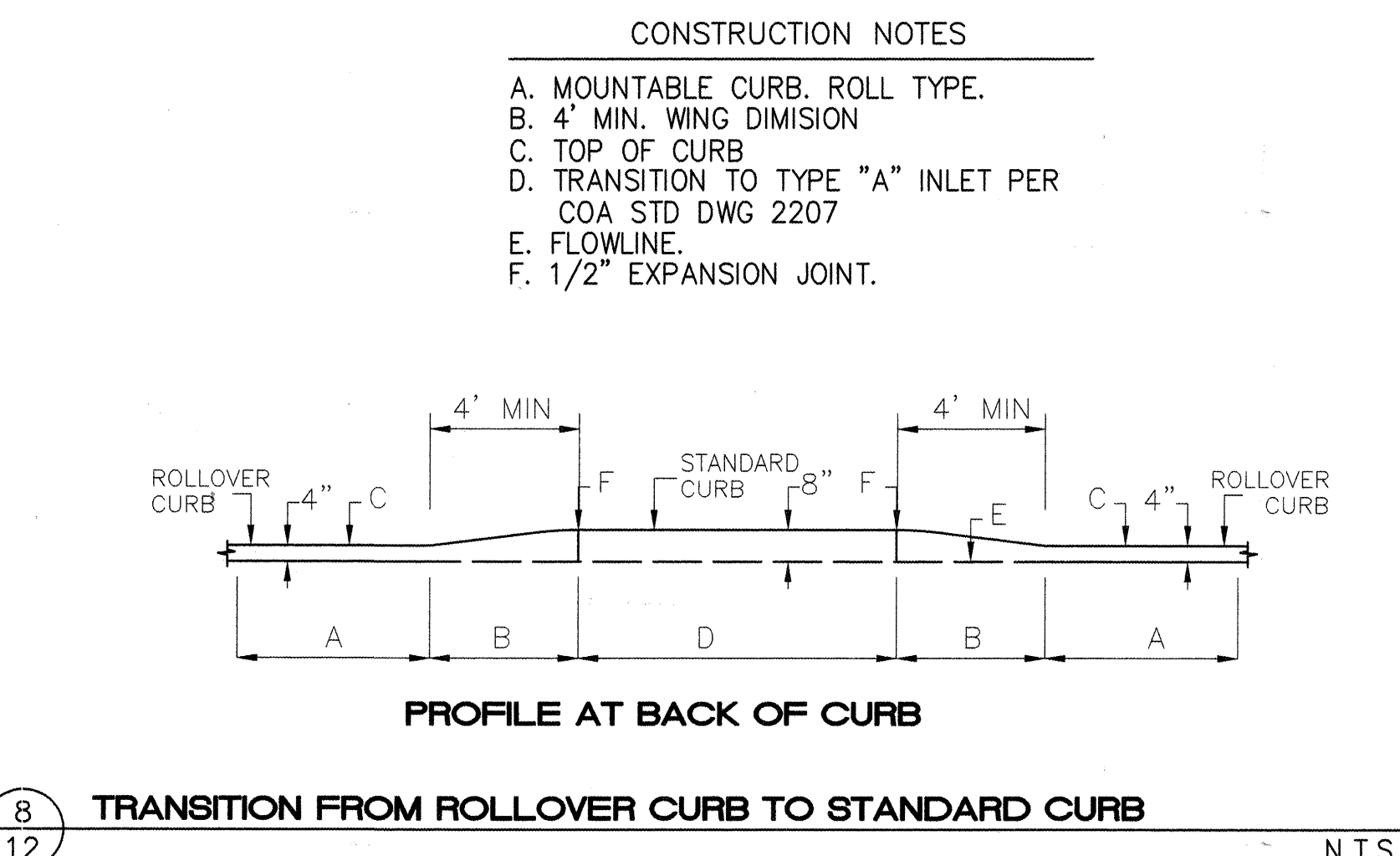
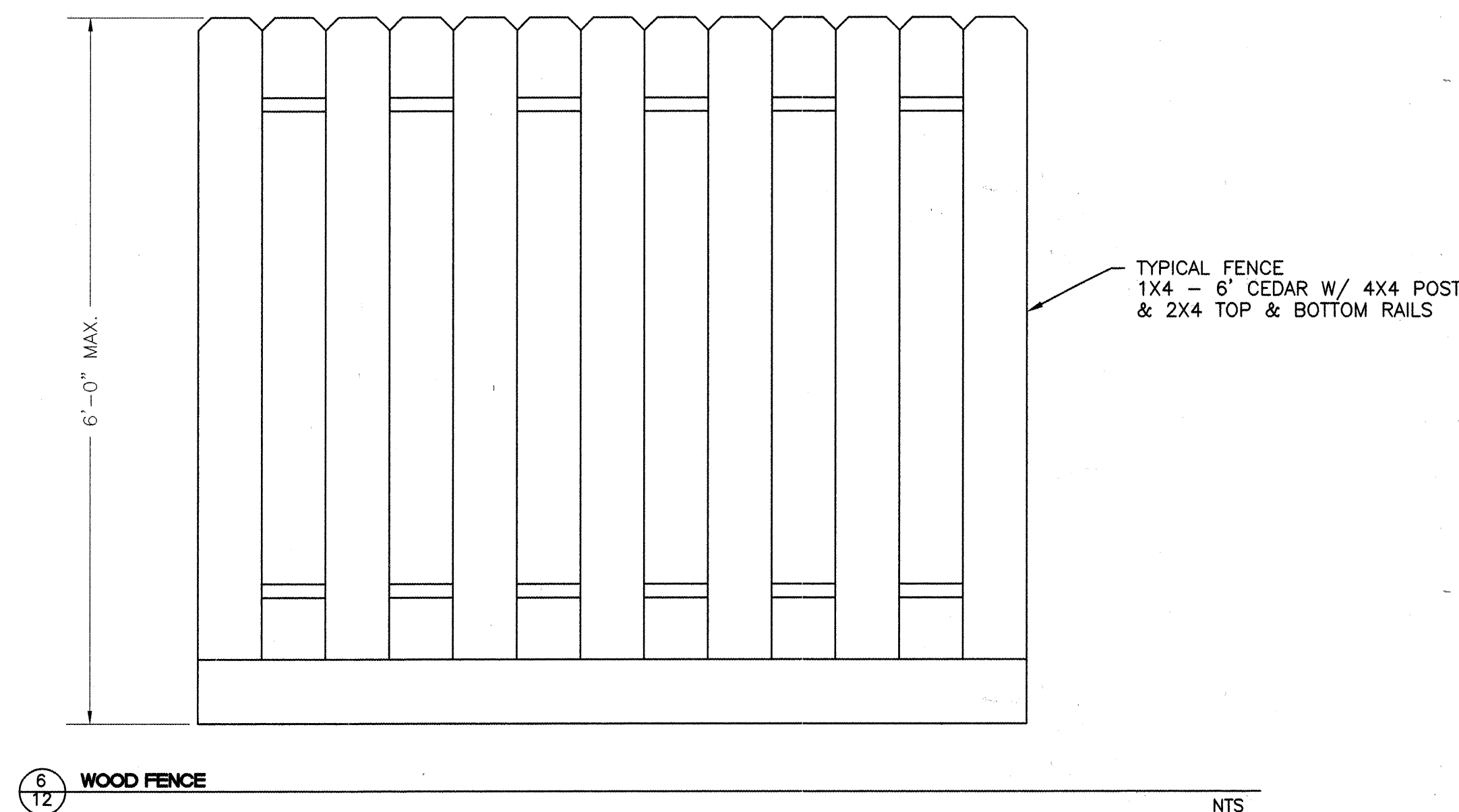
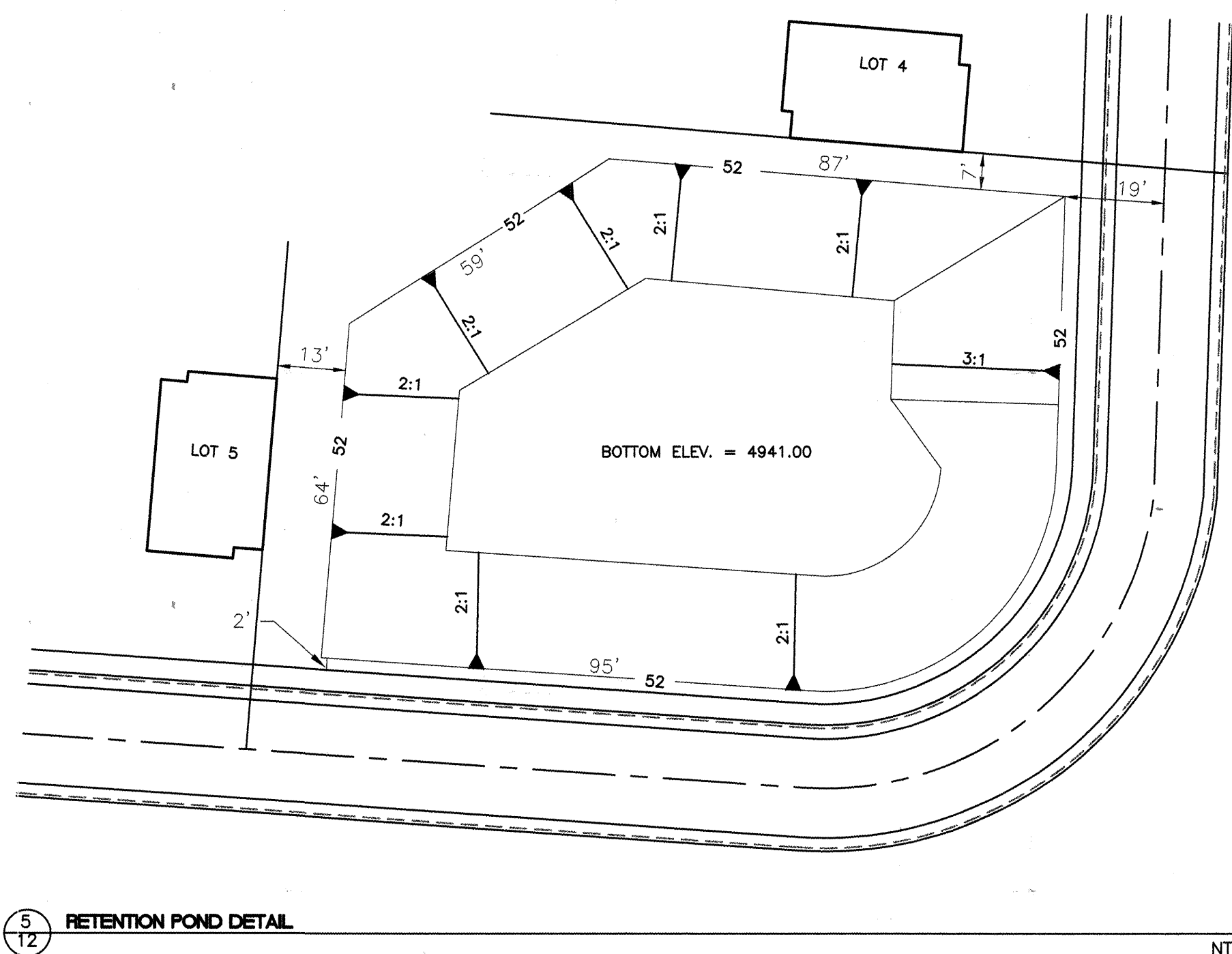
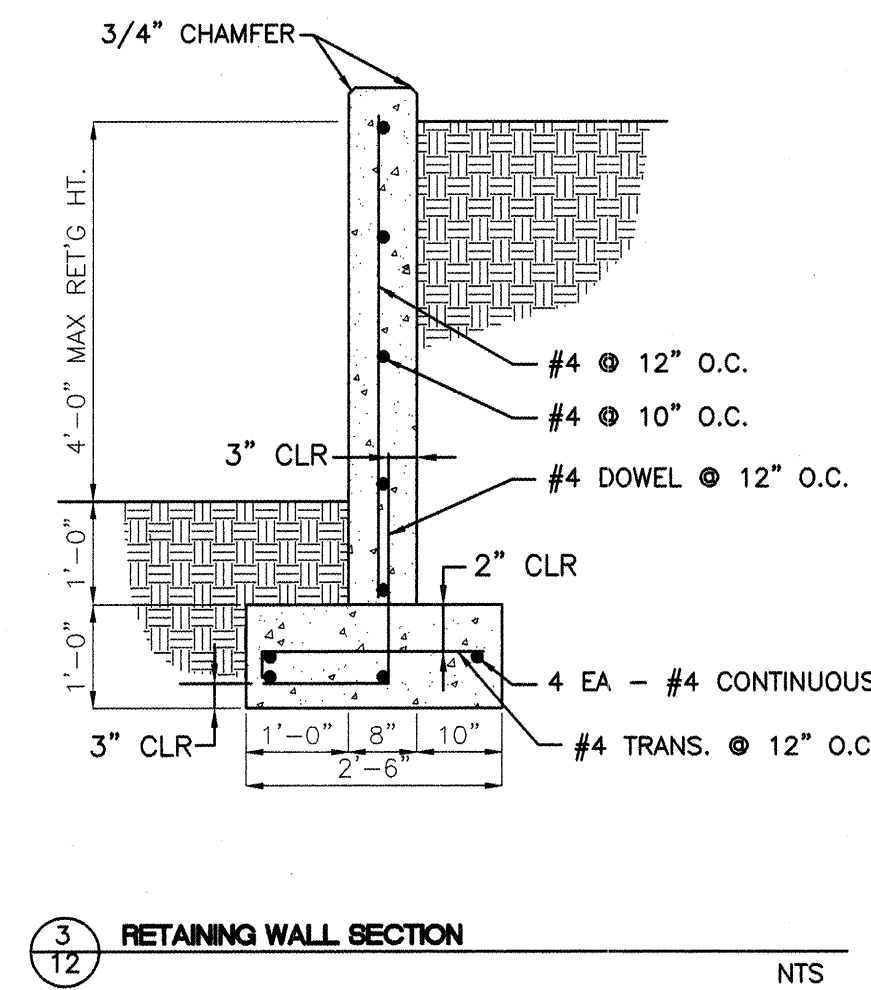
CITY OF ALBUQUERQUE  
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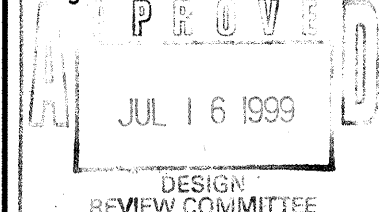
TITLE: LA VIDA NUEVA SUBDIVISION  
STORM DRAIN PLAN & PROFILE - PHASE II

|                         |                        |             |             |
|-------------------------|------------------------|-------------|-------------|
| Design Review Committee | City Engineer Approval | Mo./Day/Yr. | Mo./Day/Yr. |
| APPROVED<br>JUL 16 1999 |                        |             |             |

City Project No. 615181 Zone Map No. K-12-Z Sheet 11 Of 13

|                                                                                      |  |  |  |  |  |  |  |  |  |                                                     |    |      |  |                                                                                                                                                                                                                                                                                                                         |  |  |  |                                                                                                                             |  |  |  |
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| ENGINEER'S SEAL                                                                      |  |  |  |  |  |  |  |  |  | SURVEY INFORMATION                                  |    |      |  | BENCH MARKS                                                                                                                                                                                                                                                                                                             |  |  |  | AS BUILT INFORMATION                                                                                                        |  |  |  |
|  |  |  |  |  |  |  |  |  |  | FIELD NOTES                                         |    |      |  | (TBM) SET BOHANNAN-HUSTON BRASS CAP STAMPED<br>HRA-2, LOCATED AT THE NORTHEAST CORNER OF THE<br>HEATHER RAE ADDITION.<br>ELEV. = 4950.63'<br>ACS 15-112 3-1/4" ALUM. CAP RIVETED TO A PIPE 0.25'<br>ABOVE GROUND LOCATED 356' NORTHEAST OF CENTERLINE<br>OF SUNSET RD ON SOUTH SIDE OF CENTRAL AVE.<br>ELEV. = 4962.95' |  |  |  | CONTRACTOR<br>STARTED BY<br>INSPECTOR'S<br>ACCEPTANCE BY<br>DRAWINGS<br>VERIFICATION BY<br>CHECKED BY<br>RECORDED BY<br>NO. |  |  |  |
|                                                                                      |  |  |  |  |  |  |  |  |  | NO.                                                 | BY | DATE |  |                                                                                                                                                                                                                                                                                                                         |  |  |  |                                                                                                                             |  |  |  |
|                                                                                      |  |  |  |  |  |  |  |  |  | SURVEY BY CHAVEZ-GRIEVES CONSULTING ENGINEERS, INC. |    |      |  |                                                                                                                                                                                                                                                                                                                         |  |  |  |                                                                                                                             |  |  |  |
|                                                                                      |  |  |  |  |  |  |  |  |  | ALBUQUERQUE, NM                                     |    |      |  | 07/98                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                                                                                             |  |  |  |
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[illegible]

|  <h2 style="margin: 0;">CHAVEZ • GRIEVÉS</h2> <p style="margin: 0;"><b>CONSULTING ENGINEERS, INC.</b></p> |                                                                                           | 5639 JEFFERSON STREET N.E. • ALBUQUERQUE, NEW MEXICO 87109<br>PHONE (505) 344-4080 • FAX (505) 343-8759 |                                                                                                                                                                                                                                                                                                                                                                                                          |             |             |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                |                                                                                           | NO. DATE                                                                                                | DESIGNED BY                                                                                                                                                                                                                                                                                                                                                                                              |             |             |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                |                                                                                           | DRAWN BY                                                                                                | CHECKED BY                                                                                                                                                                                                                                                                                                                                                                                               |             |             |  |  |  |  |  |  |  |  |  |  |
| <b>CITY OF ALBUQUERQUE</b><br><b>PUBLIC WORKS DEPARTMENT</b><br><b>ENGINEERING DEVELOPMENT GROUP</b>                                                                                           |                                                                                           |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                          |             |             |  |  |  |  |  |  |  |  |  |  |
| <b>TITLE:</b> LA VIDA NUEVA SUBDIVISION<br>DETAIL SHEET                                                                                                                                        |                                                                                           |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                          |             |             |  |  |  |  |  |  |  |  |  |  |
| Design Review Committee<br><br>                                                                           | City Engineer Approval<br><br><div style="border: 1px solid black; height: 100px;"></div> | Last Design Update                                                                                      | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; font-size: x-small;">Mo./Day/Yr.</th> <th style="width: 50%; font-size: x-small;">Mo./Day/Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> | Mo./Day/Yr. | Mo./Day/Yr. |  |  |  |  |  |  |  |  |  |  |
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| City Project No.<br><div style="font-size: large; margin-top: 10px;">615181</div>                                                                                                              | Zone Map No.<br><div style="font-size: large; margin-top: 10px;">K-12-Z</div>             | Sheet<br><div style="font-size: large; margin-top: 10px;">12</div>                                      | Of<br><div style="font-size: large; margin-top: 10px;">13</div>                                                                                                                                                                                                                                                                                                                                          |             |             |  |  |  |  |  |  |  |  |  |  |

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 7:00 A.M. OR END WORK AFTER 7:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 24 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:  
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.  
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.  
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

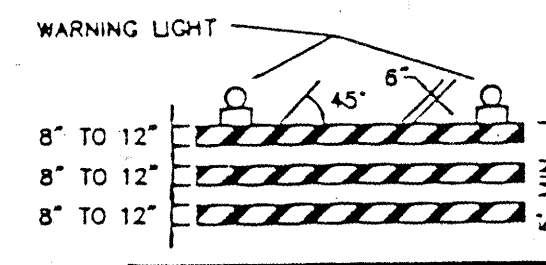
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

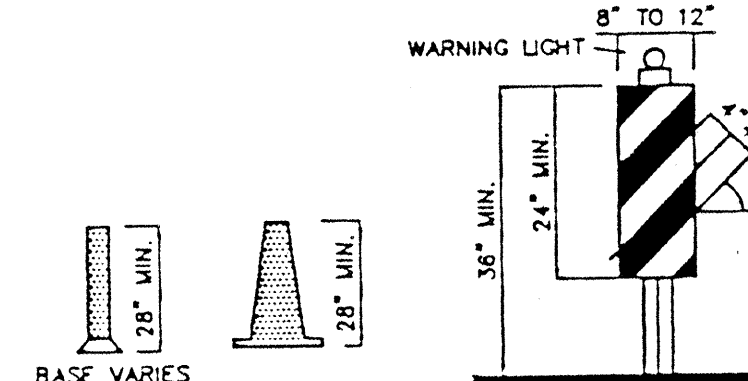
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.

SPECIAL PROJECT NOTES

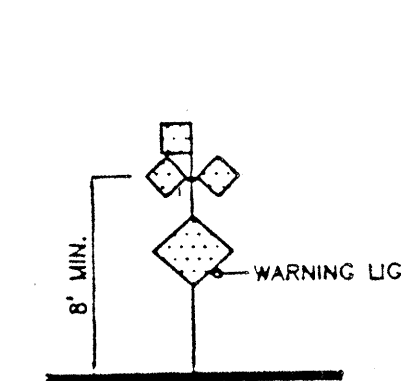
- CONTRACTOR SHALL BACKFILL CUTS IN PAVEMENT AND REMOVE BARRICADES EACH NIGHT TO RESUME TWO LANE TRAFFIC ON THE STREET.
- CONTRACTOR IS RECOMMENDED TO USE TRAFFIC CONTROL STANDARD FIGURE TA-11 FROM PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).



TYPE III BARRICADE

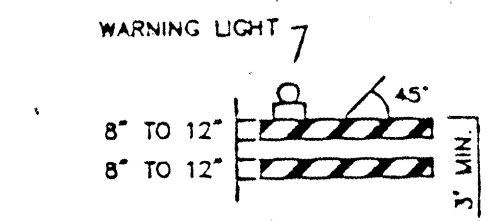


VERTICAL PANEL

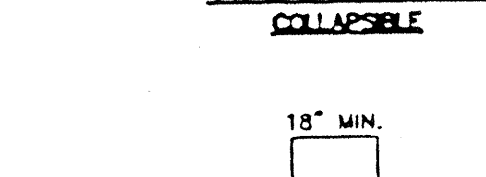


HIGH LEVEL WARNING DEVICE

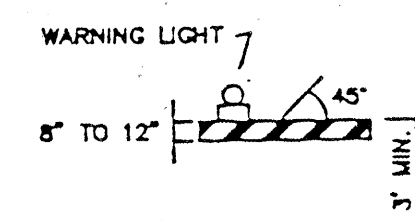
CONES



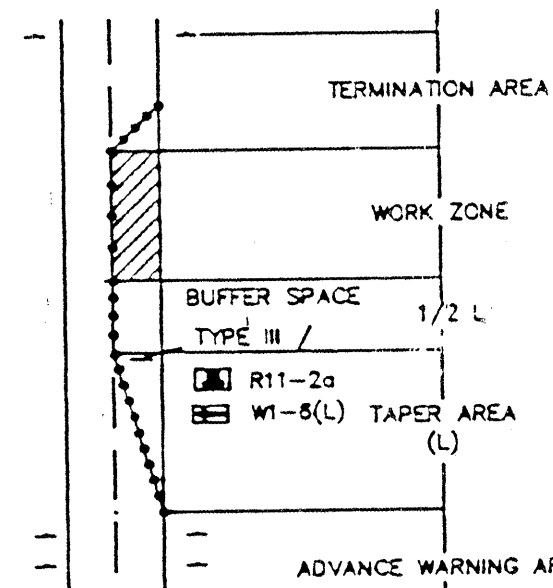
TYPE II BARRICADE



BARREL



TYPE I BARRICADE



TRAFFIC CONTROL ELEMENTS

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 MILES PER HOUR | 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        |

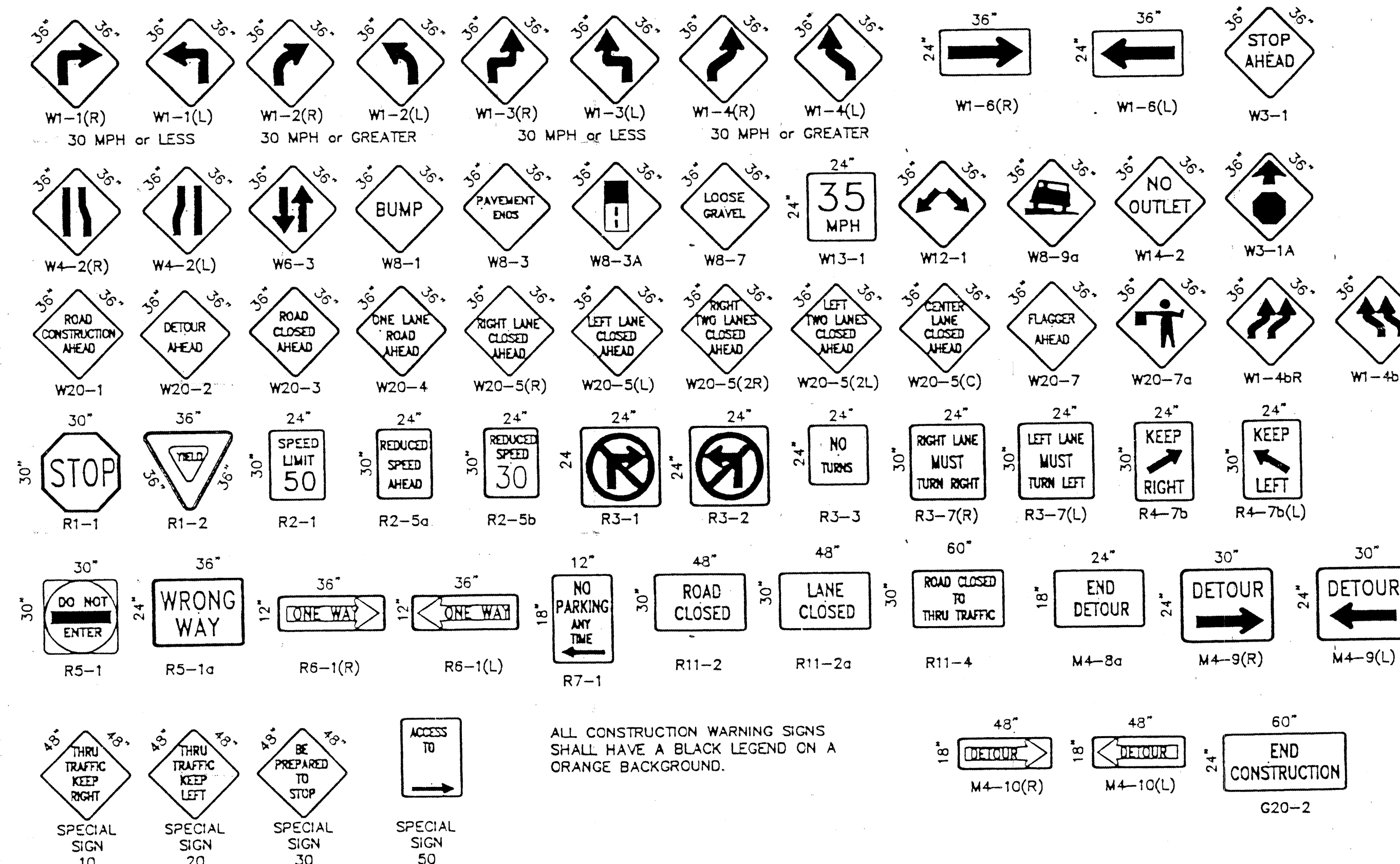
TAPER CRITERIA

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

TAPER LENGTH COMPUTATION

| SPEED LIMIT                                             | L = WS <sup>2</sup> / 60 |
|---------------------------------------------------------|--------------------------|
| 40 MPH OR LESS                                          |                          |
| 45 MPH OR GREATER                                       | L = W X S                |
| L = TAPER LENGTH                                        |                          |
| W = WIDTH OF OFFSET IN FEET                             |                          |
| S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH |                          |

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

SCANNED BY MESA REPRO.

|                      |      |
|----------------------|------|
| AS-BUILT INFORMATION |      |
| CONTRACTOR           | DATE |
| DESIGNED BY          | DATE |
| CHECKED BY           | DATE |
| APPROVED BY          | DATE |
| RECORDED BY          | DATE |

BENCH MARKS

SURVEY INFORMATION

ENGINEER'S SEAL

REMARKS

REVISIONS

DESIGN

NO. DATE

DESIGNED BY

DRAWN BY

CHECKED BY

|                                                                                 |                        |
|---------------------------------------------------------------------------------|------------------------|
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING DEVELOPMENT GROUP |                        |
| TITLE:<br>SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS                    |                        |
| DESIGN REVIEW COMMITTEE                                                         | CITY ENGINEER APPROVAL |
| COA Standard                                                                    |                        |
| PROJECT NO. 615181                                                              | WAP NO. K-12-Z         |
| SHEET 13 OF 13                                                                  |                        |