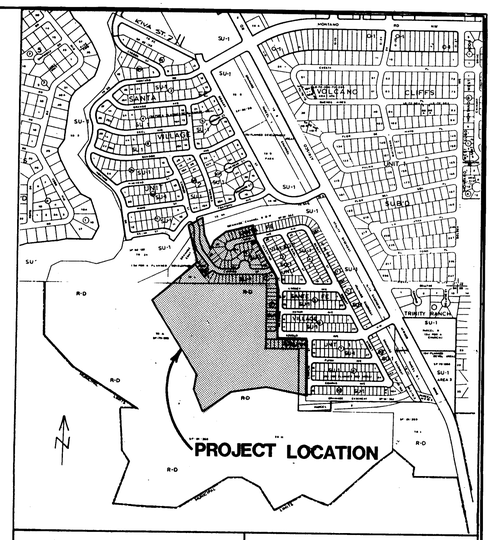
CONSTRUCTION PLANS FOR

# RINCON SUBDIVISION – PHASE I

## GRADING AND DRAINAGE, PAVING, PUBLIC WATER AND SEWER




| VICINITY MAP<br>NO SCALE | MAP NO. E-10<br>F-10 |
|---|---|

## DRAWING INDEX

| SHEET TITLE | SHEET NO. |
|---|---|
| COVER SHEET | 1 |
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### GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS PUBLIC WORKS CONSTRUCTION 1985 (REFERRED TO HEREIN AS THE STANDARD SPECIFICATIONS), AND THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1979 EDITION.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERIVCE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
4. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
6. TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
7. SIDEWALKS AND CHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
8. IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
9. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
10. ALL STATIONING IS AT CENTER LINE OF CHANNEL UNLESS NOTED OTHERWISE.
11. ALL WORK SHALL BE DONE BY QUALIFIED PERSONNEL IN AN APPROVED STANDARD OF PRACTICE.
12. THE COST OF ADDITIONAL DESIGN WORK DUE TO ERRORS AND OMISSIONS IN CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.
13. VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES.
14. VERIFY IN FIELD ALL EXISTING CONDITIONS SHOWN ON DRAWINGS.
15. ALL UTILITIES SHOWN AND ANY OTHER UTILITIES THAT ARE NOT SHOWN ON THE PLANS BUT ARE WITHIN THE CONSTRUCTION AREA SHALL BE LOCATED, IDENTIFIED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION BY THE CONTRACTOR.

### SEWER

1. ALL SEWER LINES SHALL BE CERTAINTEED FLUID-TITE PVC GRAVITY SEWER PIPE OR EQUAL.
2. ALL NEW MANHOLES SHALL BE TYPE "E", 4-FEET IN DIAMETER AS PER CITY STANDARD DRAWING S-2, EXCEPT WHERE NOTED.
3. SERVICE CONNECTIONS SHALL BE 4-INCH CAST IRON SOIL PIPE AND SHALL BE INSTALLED AS PER CITY STANDARD DRAWING S-8 OR S-9.
4. ELECTRONIC MARKER DISKS SHALL BE INSTALLED AS SHOWN IN CITY STANDARD DRAWING S-9 AT ALL SERVICE CONNECTIONS.

### WATER

1. NEW WATER MAINS SHALL BE CITY OF ALBUQUERQUE APPROVED 8-INCH PVC PIPE.
2. WATER MAINS SHALL HAVE 3-FEET MINIMUM COVER.
3. ALL BENDS AND TEES IN WATER LINE WILL BE REINFORCED WITH CONCRETE BLOCKING AS SHOWN IN CITY STANDARD DRAWING W-22.
4. FIRE HYDRANTS SHALL BE INSTALLED AS SHOWN IN CITY STANDARD DRAWING W-20.
5. A 3' X 3' X 6" CONCRETE PAD WILL BE CONSTRUCTED AROUND CENTER LINE OF FIRE HYDRANTS - SEE CITY STANDARD DRAWING W-20, NOTE F.

### PAVING

1. ALL CURBS AND GUTTERS SHALL BE CONSTRUCTED AS PER CITY STANDARD DRAWING P-8 USING STANDARD OR MOUNTABLE ROLL TYPE CURBS AND GUTTERS EXCEPT WHERE NOTED.
2. ALL CURVE DATA IS CALCULATED AT FLOW LINE OF STREET.
3. AZUELO AVENUE NW SHALL BE 48 FEET WIDE WITH A 6-INCH CROWN AND SHALL BE CONSTRUCTED AS PER CITY STANDARD DRAWING FOR RESIDENTIAL STREETS, P-2.
4. ASTAIR AVENUE SHALL BE 40 FEET WIDE WITH A 5-INCH CROWN AND SHALL BE CONSTRUCTED AS PER CITY STANDARD DRAWING FOR RESIDENTIAL STREETS, P-2.
5. ALL OTHER STREETS SHALL BE 32 FEET WIDE WITH A 4-INCH CROWN AND SHALL BE CONSTRUCTED AS PER CITY STANDARD DRAWING FOR RESIDENTIAL STREETS, P-2.

Russell B. Sider
9-28-87

26 28790187

| REV. | SHEETS | CITY ENGR. | DATE | | DATE | | DATE |
|---|---|---|---|---|---|---|---|

APPROVAL OF REVISIONS

PREPARED BY:
RESOURCE TECHNOLOGY INCORPORATED

PROJECT NO. 2879

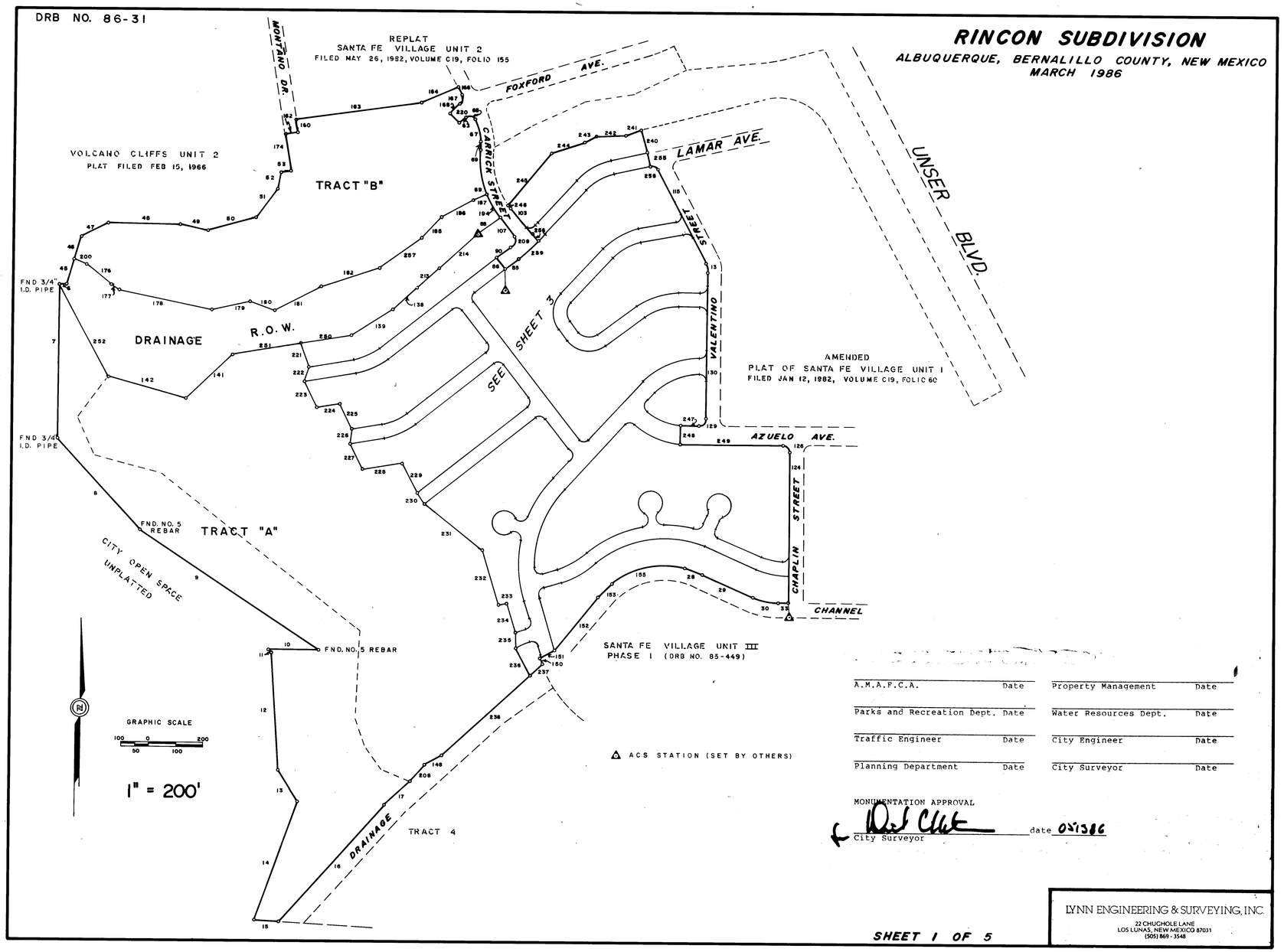
APPROVED FOR CONSTRUCTION
9/3/86

SHEET 1 OF 36

DRB NO. 86-31

# RINCON SUBDIVISION

ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
MARCH 1986




| | | | |
|---|---|---|---|
| A.M.A.F.C.A. | Date | Property Management | Date |
| Parks and Recreation Dept. | Date | Water Resources Dept. | Date |
| Traffic Engineer | Date | City Engineer | Date |
| Planning Department | Date | City Surveyor | Date |

MONUMENTATION APPROVAL

City Surveyor date 03/13/86

LYNN ENGINEERING & SURVEYING, INC.
22 CHUCHOLE LANE
LOS LUNAS, NEW MEXICO 87031
(505) 869 - 3548

SHEET 1 OF 5

AS BUILT INFORMATION
BENCH MARKS
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
ENGINEER'S SEAL
REVISIONS
NO. DATE REMARKS BY
DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE
MICRO-FILM INFORMATION

26 2879 0287

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION - PHASE I
PLAT

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | | Liquid Waste | | |
| A.C.E.-Design | | | Traffic | | |
| A.C.E.-Hydrology | | | Water | | |

DRAWING NO. 2879 | MAP NO. | SHEET 2 OF 36

DRB NO. 86-31

# RINCON SUBDIVISION

ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
MARCH 1986

## CURVE TABLE

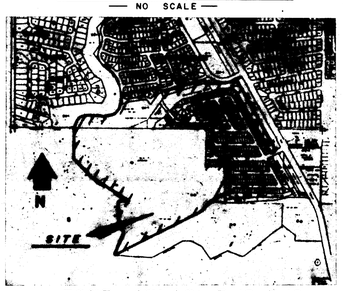
| CURVE NUMBER | ARC LENGTH | RADIUS | DELTA |
|---|---|---|---|
| 28 | 68.43' | 502.00' | 07 deg 48' 37" |
| 30 | 95.90' | 232.80' | 23 deg 36' 09" |
| 44 | 56.32' | 346.67' | 09 deg 18' 28" |
| 54 | 39.27' | 25.00' | 90 deg 00' 00" |
| 57 | 71.45' | 95.40' | 42 deg 54' 51" |
| 59 | 39.27' | 25.00' | 90 deg 00' 00" |
| 63 | 40.[illegible] | 300.00' | 07 deg 48' 56" |
| 65 | 45.[illegible] | 25.00' | 103 deg 53' 18" |
| 67 | 84.10' | 211.95' | 22 deg 44' 02" |
| 69 | 31.86' | 211.95' | 08 deg 36' 45" |
| 73 | 75.21' | 335.00' | 12 deg 51' 49" |
| 75 | 13.01' | 300.00' | 02 deg 29' 08" |
| 77 | 42.88' | 25.00' | 98 deg 16' 23" |
| 78 | 69.[illegible] | 261.95' | 15 deg 13' 02" |
| 89 | 167.[illegible] | 350.00' | 27 deg 22' 06" |
| 91 | 14.[illegible] | 261.95' | 03 deg 06' 28" |
| 92 | 64.[illegible] | 261.95' | 14 deg 12' 27" |
| 93 | 224.[illegible] | 300.00' | 42 deg 55' 25" |
| 100 | 149.0[illegible] | 250.00' | 34 deg 08' 52" |
| 102 | 43.0[illegible] | 25.00' | 98 deg 39' 45" |
| 112 | 119.2[illegible] | 200.00' | 34 deg 08' 52" |
| 114 | 32.48' | 25.00' | 74 deg 26' 21" |
| 116 | 39.27' | 25.00' | 90 deg 00' 00" |
| 117 | 55.40' | 204.38' | 15 deg 31' 49" |
| 126 | 39.27' | 25.00' | 90 deg 00' 00" |
| 129 | 39.22' | 25.00' | 89 deg 53' 04" |
| 134 | 47.11' | 93.85' | 28 deg 45' 29" |
| 150 | 22.00' | 50.00' | 02 deg 55' 53" |
| 153 | 68.43' | 502.00' | 07 deg 48' 37" |
| 155 | 280.41' | 276.00' | 58 deg 12' 41" |
| 161 | 39.27' | 25.00' | 90 deg 00' 00" |
| 166 | 31.12' | 250.00' | 07 deg 07' 57" |
| 167 | 35.76' | 25.00' | 81 deg 56' 41" |
| 168 | 65.35' | 350.00' | 10 deg 41' 51" |
| 170 | 39.27' | 25.00' | 90 deg 00' 00" |
| 172 | 108.91' | 145.40' | 42 deg 54' 51" |
| 197 | 259.84' | 200.00' | 74 deg 26' 21" |
| 194 | 95.02' | 350.00' | 15 deg 33' 19" |
| 209 | 39.27' | 25.00' | 90 deg 00' 00" |
| 210 | 4.56' | 775.00' | 00 deg 20' 15" |
| 216 | 41.98' | 350.00' | 06 deg 52' 24" |
| 217 | 35.99' | 300.00' | 06 deg 52' 24" |
| 246 | 3.03' | 300.00' | 00 deg 34' 43" |
| 256 | 36.43' | 125.00' | 16 deg 41' 58" |
| 258 | 32.48' | 25.00' | 74 deg 26' 21" |
| 259 | 69.65' | 585.02' | 07 deg 34' 09" |

## LINE TABLE

| LINE | DIST | BEARING |
|---|---|---|
| 1 | 480.00 | N 00°13'46" E |
| 2 | 405.26 | N 89°46'14" W |
| 3 | 95.00 | N 00°20'42" E |
| 4 | 786.12 | N 89°44'38" W |
| 5 | 163.74 | N 89°44'38" W |
| 6 | 25.11 | N 88°03'07" W |
| 7 | 560.85 | S 00°17'46" W |
| 8 | 448.53 | S 42°35'09" E |
| 9 | 789.81 | S 56°38'00" E |
| 10 | 182.91 | N 89°46'15" W |
| 11 | 14.25 | S 48°55'50" E |
| 12 | 428.50 | S 03°17'08" E |
| 13 | 137.57 | S 32°20'13" E |
| 14 | 459.90 | S 19°51'41" W |
| 15 | 91.28 | S 87°30'24" E |
| 16 | 576.19 | N 41°58'47" E |
| 17 | 127.63 | N 47°38'24" E |
| 29 | 201.61 | S 66°10'05" E |
| 33 | [illegible] | S 89°46'14" E |
| 34 | 99.31 | N 22°07'00" E |
| 35 | [illegible].22 | N 22°07'00" E |
| 36 | 299.15 | N 89°44'38" W |
| 37 | 20.85 | N 89°44'38" W |
| 38 | 135.66 | N 00°15'22" E |
| 39 | 466.02 | N 35°00'00" E |
| 41 | 672.15 | N 71°04'41" E |
| 42 | 298.06 | N 84°53'42" E |
| 45 | 90.[illegible] | N 17°06'46" E |
| 46 | 92.00 | N 17°06'46" E |
| 47 | 109.66 | N 62°53'06" E |
| 48 | 263.94 | S 89°24'42" E |
| 49 | 104.12 | S 76°42'54" E |
| 50 | 182.26 | N 74°19'46" E |
| 51 | 133.51 | N 37°08'46" E |
| 52 | 61.15 | N 10°46'49" E |
| 53 | 31.99 | N 82°05'09" E |
| 56 | 304.19 | N 82°05'09" E |
| 61 | 50.00 | S 55°00'00" E |
| 62 | 177.98 | N 35°00'00" E |
| 70 | 67.00 | N 84°53'42" E |
| 71 | 99.43 | N 29°42'48" W |
| 74 | 607.91 | S 73°09'00" W |
| 84 | 91.95 | N 38°00'00" W |
| 85 | 84.50 | N 52°00'00" E |
| 86 | 50.00 | N 38°00'00" W |
| 87 | 111.28 | N 38°00'00" W |
| 88 | 100.01 | N 52°55'02" E |
| 90 | 75.00 | N 52°00'00" E |
| 94 | 23.25 | N 52°55'02" E |
| 95 | 145.96 | N 24°55'52" E |
| 96 | 150.00 | N 52°07'00" E |
| 97 | 282.14 | N 77°08'52" E |
| 98 | 95.00 | S 12°51'08" E |
| 99 | 140.19 | S 77°08'52" W |
| 101 | 324.55 | S 43°00'00" W |
| 103 | 123.86 | N 38°00'00" W |
| 107 | [illegible] | S [illegible] |
| 111 | 284.55 | N 43°00'00" E |
| 113 | 138.93 | N 77°08'52" E |
| 115 | 375.02 | S 28°24'47" E |
| 118 | 100.33 | S 00°13'54" W |
| 119 | [illegible] | N [illegible] |
| 124 | 70.00 | N 00°13'46" E |
| 125 | 366.46 | N 89°46'14" W |
| 127 | 68.00 | N 00°20'42" E |
| 128 | 56.44 | S 89°46'14" E |
| 130 | 529.75 | N 00°20'42" E |
| 131 | 489.82 | N 00°20'42" E |
| 132 | 154.67 | N 52°55'02" E |
| 133 | 74.15 | N 89°44'38" W |
| 136 | 255.00 | N 89°44'38" W |
| 137 | 66.18 | N 89°46'06" W |
| 138 | 108.45 | S 50°35'03" W |
| 139 | 181.00 | S 57°30'00" W |
| 140 | 438.80 | S 80°45'00" W |
| 141 | 228.00 | S 46°35'00" W |
| 142 | 295.00 | N 75°00'00" W |
| 143 | 184.00 | S 36°00'00" W |
| 144 | 150.00 | S 23°45'00" E |
| 145 | 150.00 | S 75°20'00" E |
| 146 | 139.23 | S 52°15'00" E |
| 147 | 120.00 | S 02°55'00" W |
| 148 | 170.00 | N 60°00'00" E |
| 149 | 100.00 | N 47°50'00" E |
| 151 | 61.21 | N 60°31'19" E |
| 152 | 252.11 | N 40°00'00" E |
| 160 | 52.87 | N 07°54'51" W |
| 162 | 50.00 | N 82°05'09" W |
| 163 | 460.00 | N 82°05'09" W |
| 164 | 146.48 | N 67°45'31" W |
| 169 | 17.98 | S 35°00'00" W |
| 173 | 304.19 | S 82°05'09" W |
| 174 | 132.13 | S 67°54'51" E |
| 175 | 50.00 | N 82°05'09" E |
| 176 | 113.07 | S [illegible] |
| 177 | 38.93 | S [illegible] |
| 178 | 362.00 | S [illegible] |
| 179 | 142.00 | N [illegible] |
| 180 | 94.08 | S [illegible] |
| 181 | 196.36 | N [illegible] |
| 182 | 216.00 | N [illegible] |
| 183 | 116.63 | N [illegible] |
| 184 | 71.37 | N [illegible] |
| 185 | 107.00 | N [illegible] |
| 186 | 129.00 | N [illegible] |
| 187 | 53.13 | S [illegible] |
| 188 | 153.30 | N [illegible] |
| 189 | 211.00 | N [illegible] |
| 190 | 190.00 | N [illegible] |
| 191 | 204.00 | N [illegible] |
| 195 | 117.43 | S [illegible] |
| 196 | 1150.07 | N [illegible] |
| 198 | 467.23 | S [illegible] |
| 199 | 1406.71 | S [illegible] |
| 200 | 31.00 | S [illegible] |
| 201 | 198.50 | N [illegible] |
| 202 | 1.00 | N [illegible] |
| 204 | 110.30 | S [illegible] |
| 205 | 184.00 | S [illegible] |
| 214 | 166.17 | S 50°35'03" W |
| 219 | 17.34 | N 00°15'22" E |
| 218 | 13.61 | N 89°46'14" W |
| 219 | 13.61 | S 89°46'14" E |
| 220 | 50.00 | S 48°07'06" E |
| 221 | 104.82 | N 26°41'24" W |
| 222 | 55.75 | N 17°08'17" E |
| 223 | 104.82 | N 26°41'24" W |
| 224 | 93.86 | S 80°45'00" W |
| 225 | 104.82 | N 26°41'24" W |
| 226 | 52.66 | N 09°02'46" E |
| 227 | 104.82 | N 26°41'24" W |
| 228 | 146.34 | S 80°45'00" W |
| 229 | 121.18 | N 26°41'24" W |
| 230 | 50.09 | N 34°34'20" W |
| 231 | 269.00 | N 52°15'00" W |
| 232 | 210.00 | N 16°36'08" W |
| 233 | 30.00 | S 74°12'36" W |
| 234 | 111.91 | N 17°09'40" W |
| 235 | 56.74 | N 01°07'02" W |
| 236 | 114.74 | N 28°45'00" W |
| 237 | 65.00 | S 47°50'00" W |
| 238 | 435.00 | S 47°50'00" W |
| 239 | 131.20 | S 77°08'52" W |
| 240 | 84.56 | S 12°51'08" E |
| 241 | 60.49 | N 69°06'49" E |
| 242 | 107.26 | N 88°30'00" E |
| 243 | 48.23 | N 63°15'00" E |
| 244 | 127.33 | N 71°17'37" E |
| 245 | 252.32 | N 37°02'14" E |
| 247 | 70.05 | N 89°46'14" W |
| 248 | 68.00 | S 00°20'42" W |
| 249 | 380.26 | S 89°46'14" E |
| 250 | 187.66 | N 80°45'00" E |
| 251 | 250.34 | N 80°45'00" E |
| 252 | 366.52 | N 28°38'00" W |
| 255 | 50.00 | N [illegible] |
| 257 | 188.00 | N 89°30'00" E |

## VICINITY MAP

— NO SCALE —




ZONE ATLAS: E-10, F-10

SHEET 2 OF 5

LYNN ENGINEERING & SURVEYING, INC.
22 CHUCHOLE LANE
LOS LUNAS, NEW MEXICO 87031
(505) 869 - 3548

J86023

26 28790387

AS BUILT INFORMATION
CONTRACTOR
AGENCY
INSPECTOR
FIELD ENGINEER
FIELD TECH
DATE
VERIFICATION BY
DATE
COMPUTED BY
DATE
MICRO-FILM INFORMATION

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS

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

DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION - PHASE I
PLAT

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | | Liquid Waste | | |
| A.C.E.-Design | | | Traffic | | |
| A.C.E.-Hydrology | | | Water | | |

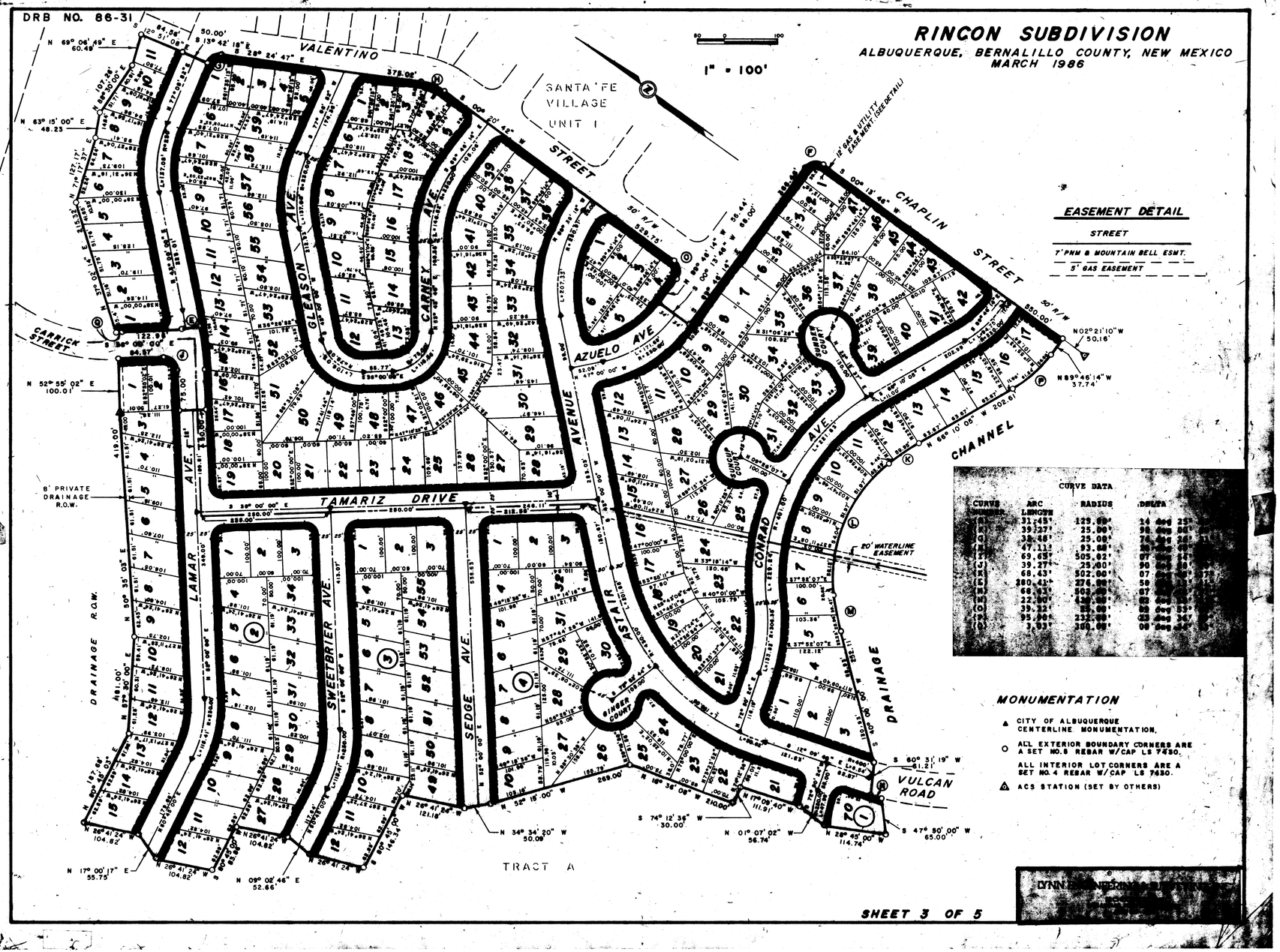
DRAWING NO. 2879 | MAP NO. | SHEET 3 OF 36

DRB NO. 86-31

# RINCON SUBDIVISION

ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
MARCH 1986

1" = 100'




CURVE DATA

| CURVE NUMBER | ARC LENGTH | RADIUS | DELTA |
|---|---|---|---|
| (G) | 31.45' | 129.00' | 14 [illegible] 25" |
| (K) | 39.27' | 25.00' | 90 [illegible] 00" |
| (Q) | 39.46' | 25.00' | 90 [illegible] 21" |
| (M) | 47.11' | 93.00' | [illegible] |
| (F) | 69.65' | 505.02' | 07 [illegible] |
| (J) | 39.27' | 25.00' | 90 [illegible] |
| (K) | 68.43' | 502.00' | 07 [illegible] |
| (E) | 280.41' | 276.00' | 58 [illegible] |
| (N) | 68.93' | 502.00' | 07 [illegible] |
| (N) | 22.90' | 400.00' | [illegible] |
| (O) | 39.32' | 25.00' | 90 [illegible] |
| (P) | 95.00' | 232.00' | [illegible] |
| (Q) | 7.93' | 300.00' | [illegible] |

SHEET 3 OF 5

LASON 1-505-344-9404
BEST COPY AVAILABLE

26 28790487

AS BUILT INFORMATION
CONTRACTOR
A.G.M.
INSPECTOR
A.C.E. TRACK
A.C.E. TRACK BY
DATE
CERTIFICATION BY
DATE
DRAWINGS REVIEWED BY
DATE
MICRO-FILM INFORMATION

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

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

REVISIONS

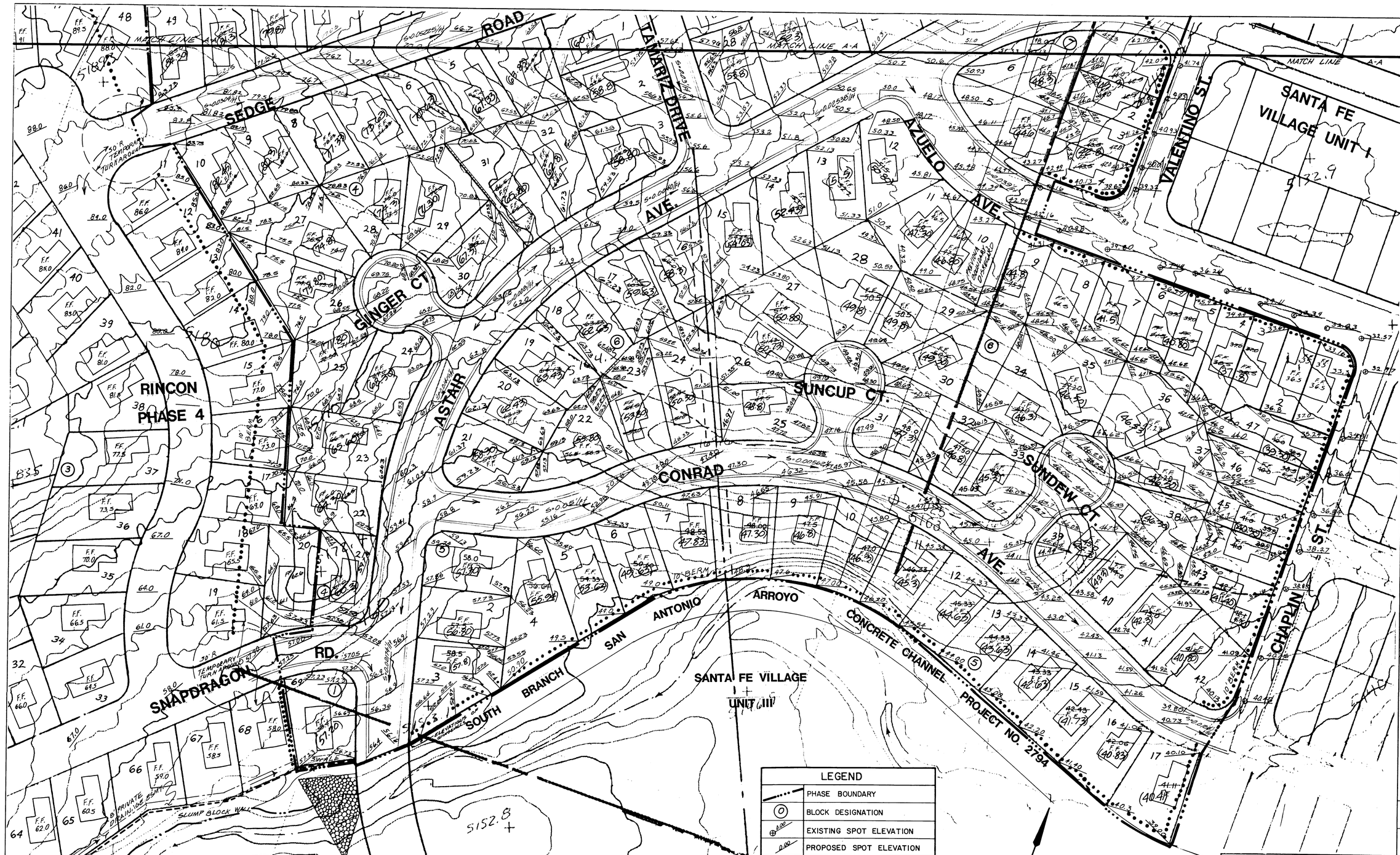
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION – PHASE I
PLAT

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | | Liquid Waste | | |
| A.C.E.-Design | | | Traffic | | |
| A.C.E.-Hydrology | | | Water | | |

DRAWING NO. 2879 | MAP NO. | SHEET 4 OF 36




## LEGEND

| | |
|---|---|
| | PHASE BOUNDARY |
| (0) | BLOCK DESIGNATION |
| 100 | EXISTING SPOT ELEVATION |
| 100 | PROPOSED SPOT ELEVATION |
| | FLOW DIRECTION |
| | 100 YEAR FLOOD PLAIN |
| | RETAINING WALL |
| | CONCRETE BLOCK WALL |
| | TEMPORARY EROSION CONTROL BERM & SNOW FENCE |
| | RIP RAP |
| | CONCRETE STRUCTURE |
| | EXISTING RCP WATERLINE |

**REFER TO SOILS REPORT FOR EARTHWORK SPECIFICATIONS**

CONTRACTOR MUST CONTACT CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DEPT. TO OBTAIN TOPSOIL DISTURBANCE PERMIT.

APPROVED FOR ROUGH GRADING ± 1'
Roger L. Shaw Jr. 4/24/86
CITY ENGINEER DATE

I, ELWOOD V. DINIZ CERTIFY THAT THE DRAWING OF AS BUILT DIMENSIONS WAS DONE UNDER MY SUPERVISION. EVD

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 8 7 9 0 5 8 7

**NOTE: THE ELEVATIONS SHOWN ON THIS SHEET ARE FOR ROUGH GRADING ONLY**

### AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY — DATE
ACCEPTANCE BY — DATE
FIELD CHANGES BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

### BENCH MARKS

CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.

M.S.L. ELEVATION = 5134.777'

### SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

### ENGINEER'S SEAL

ELWOOD V. DINIZ — NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER

### REVISIONS

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

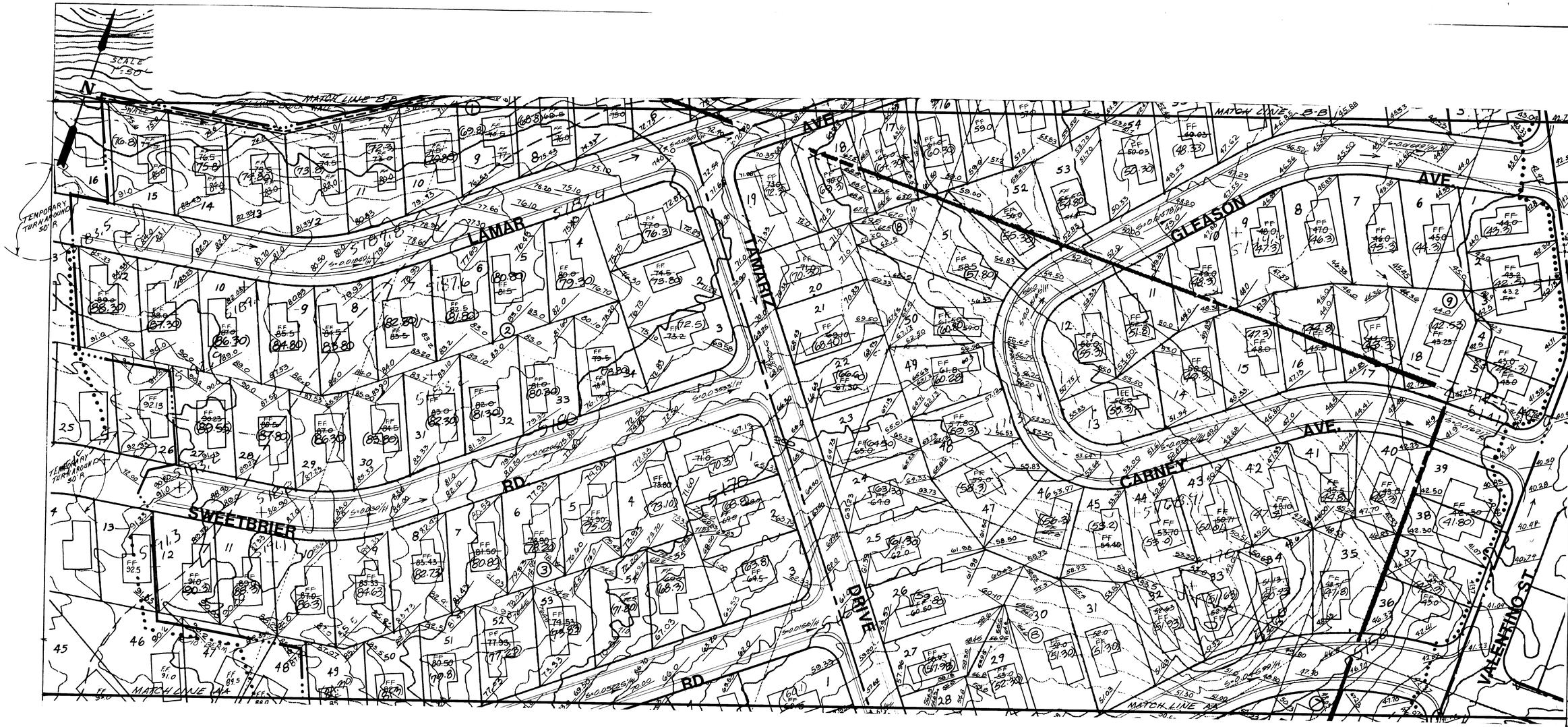
DESIGNED BY PS — DATE 6-86
DRAWN BY CM, CVM, MS, GS — DATE 6-86
CHECKED BY ED — DATE 6-86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **GRADING & EROSION CONTROL PLAN**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/19/86 | Liquid Waste | N/A WW | 7/29/86 |
| A.C.E.-Design | Robert Hagen | 8/5/86 | Traffic | N/A DWH | 7/31/86 |
| A.C.E.-Hydrology | Robert Hagen | " | Water | N/A WW | 7/29/86 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | | 5 | 36 |




AS BUILT INFORMATION

| CONTRACTOR | |
|---|---|
| WORK STAKED BY | |
| INSPECTOR'S ACCEPTANCE BY | DATE |
| FIELD VERIFICATION BY | DATE |
| DRAWINGS CORRECTED BY | DATE |
| MICRO-FILM INFORMATION | |
| RECORDED BY | DATE |
| NO. | |

BENCH MARKS

CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE
CURB AT THE N.E. CURB RETURN
AT THE INTERSECTION OF ATRISCO
ROAD N.W. AND FLOR DEL SOL
PLACE N.W.

M.S.L. ELEVATION = 5134.777'

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

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

REVISIONS

| DESIGN | | |
|---|---|---|
| DESIGNED BY PS | DATE 6-86 | |
| DRAWN BY C.M., CHM, MS, JS | DATE 6-86 | |
| CHECKED BY EP | DATE 6-86 | |

26 2879 0687

NOTE: THE ELEVATIONS SHOWN ON THIS SHEET ARE FOR ROUGH GRADING ONLY

REFER TO SOILS REPORT FOR EARTHWORK SPECIFICATIONS

CONTRACTOR MUST CONTACT CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DEPT. TO OBTAIN TOPSOIL DISTURBANCE PERMIT.

APPROVED FOR ROUGH GRADING ± 1'

Roger A. Ahren PE 6/26/86

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **GRADING & EROSION CONTROL PLAN**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A W/W | 7/29/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | N/A | 7/31/86 |
| A.C.E.-Hydrology | | " | Water | N/A W/W | 7/29/86 |

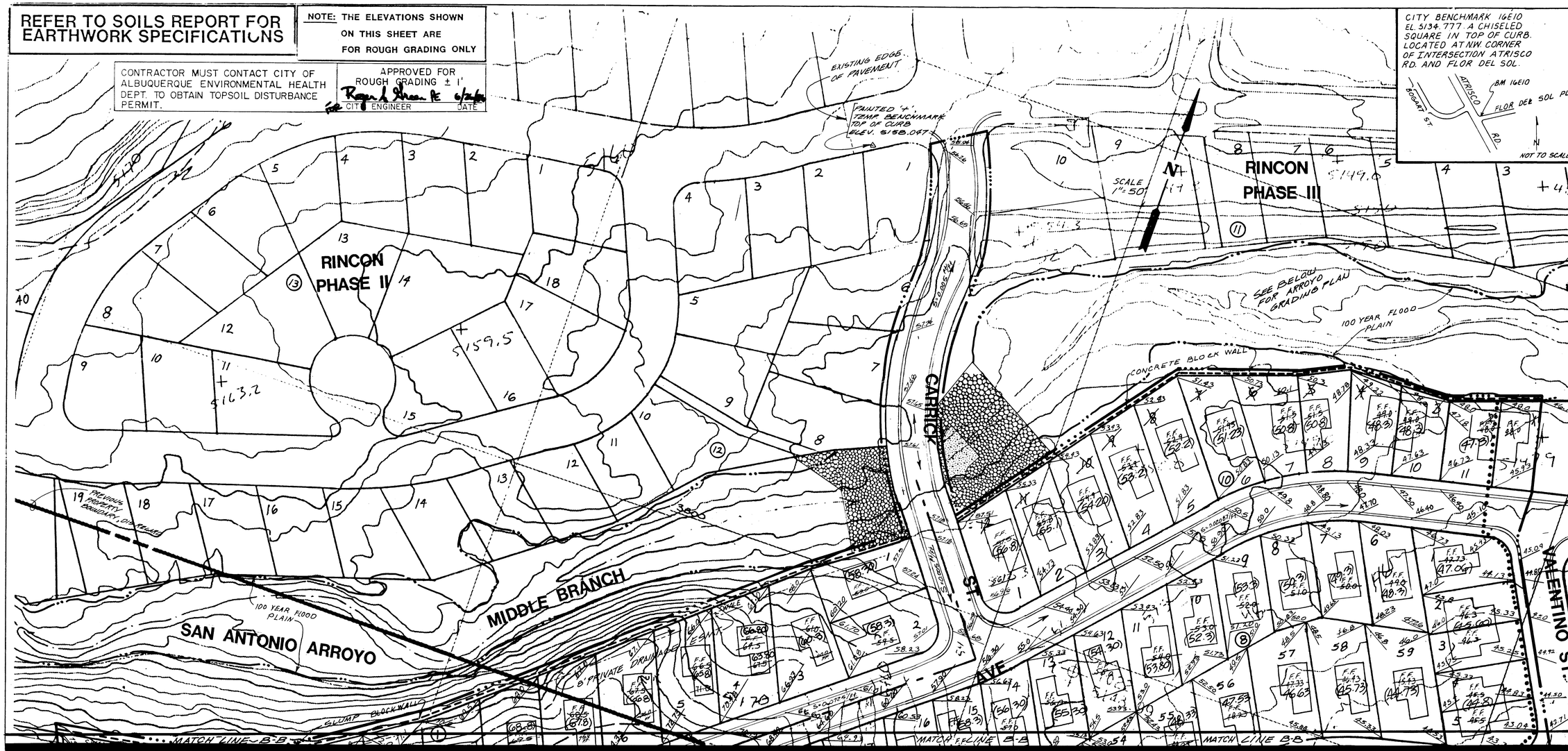
| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | | 6 | 36 |

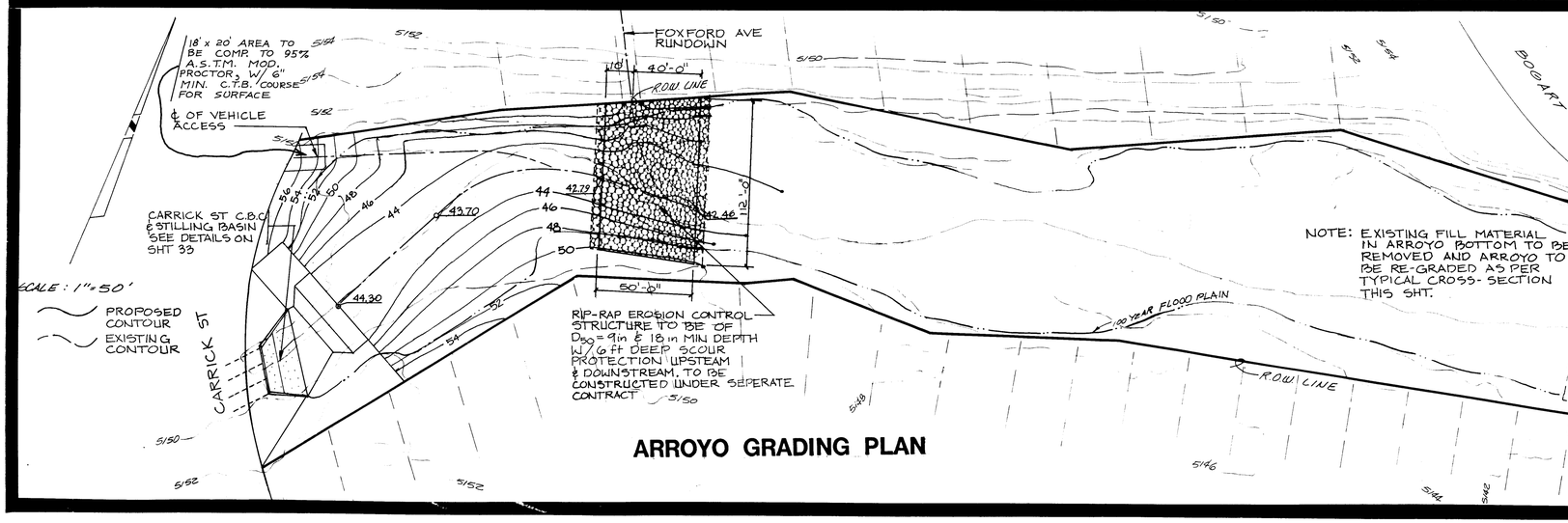
REFER TO SOILS REPORT FOR EARTHWORK SPECIFICATIONS

NOTE: THE ELEVATIONS SHOWN ON THIS SHEET ARE FOR ROUGH GRADING ONLY

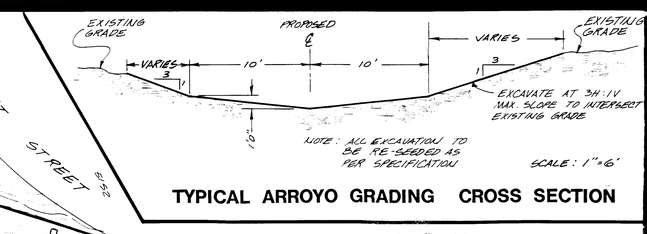
CONTRACTOR MUST CONTACT CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DEPT. TO OBTAIN TOPSOIL DISTURBANCE PERMIT.

APPROVED FOR ROUGH GRADING ± 1'
Roger L. Sheen PE 6/26/86
CITY ENGINEER DATE




ARROYO GRADING PLAN




TYPICAL ARROYO GRADING CROSS SECTION

NOTE: ARROYO GRADING NOT TO BE PERFORMED UNDER ROUGH GRADING CONTRACT FOR RINCON SUBD., PHASE I

26 2879 0787

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **GRADING & EROSION CONTROL PLAN**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A | 7/29/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | | 7/31/86 |
| A.C.E.-Hydrology | | " | Water | N/A | 7/29/86 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | | 7 | 36 |

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY
INSPECTORS ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS MARKED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10", A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION = 5134.777'

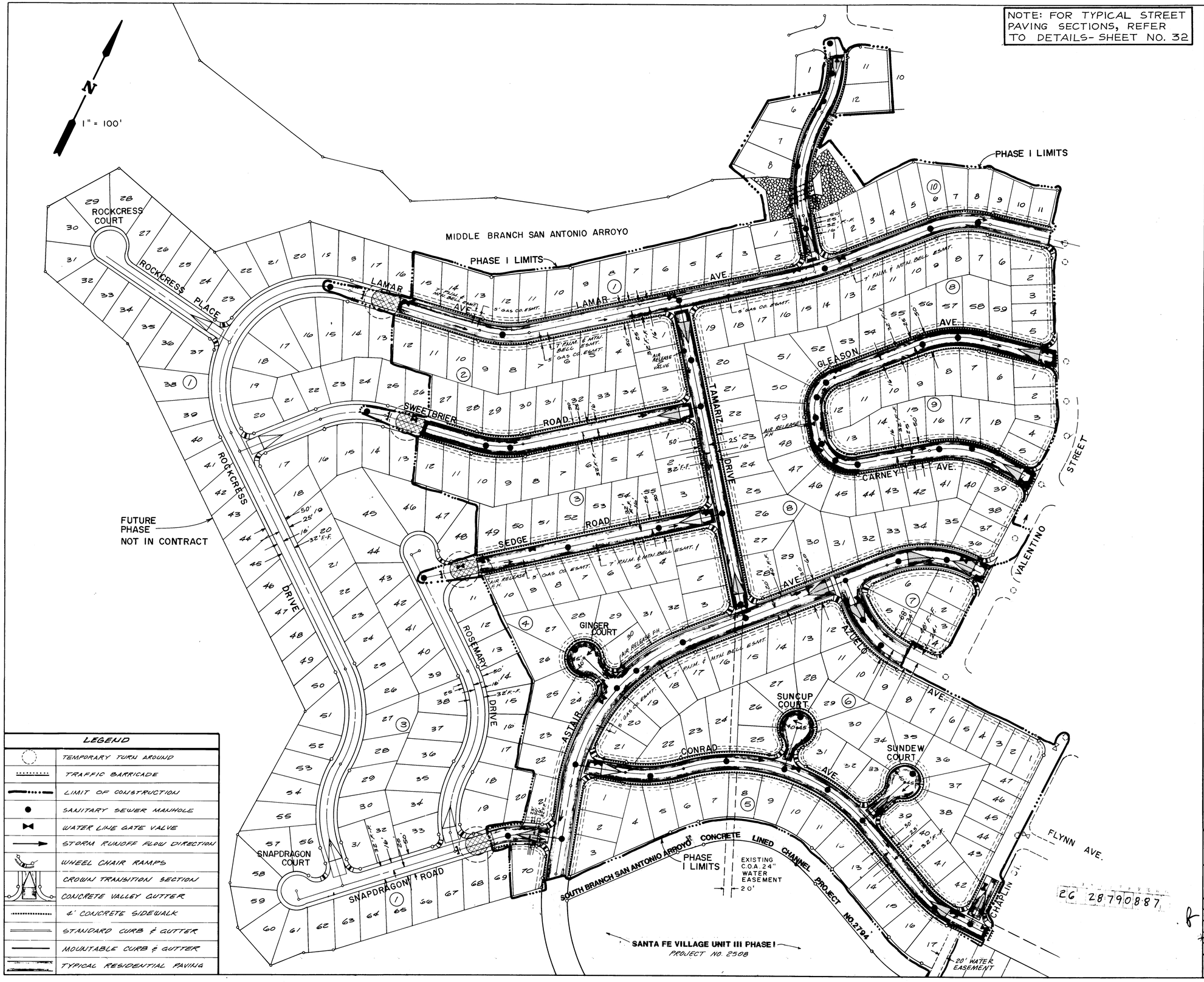
SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

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

DESIGNED BY P.S. — DATE 6-86
DRAWN BY C.M., M.S., L.V.M., G.S. — DATE 6-86
CHECKED BY E.D. — DATE 6-86

NOTE: FOR TYPICAL STREET PAVING SECTIONS, REFER TO DETAILS- SHEET NO. 32




PAVING NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| P- 8 | T- 9(Case III) |
| P- 9 | K-16 |
| P-11 | K-20 |
| P-13(offset type) | K-21 |
| P-17 | |
| P-18 | |

AS BUILT INFORMATION

| CONTRACTOR | DATE |
|---|---|
| WORK STAKED BY | |
| INSPECTORS FIELD CHANGE BY | DATE |
| VERIFICATION BY INSPECTOR | DATE |
| CORRECTED BY | DATE |
| MICRO-FILM INFORMATION | |
| RECORDED BY | DATE |
| NO. | |

BENCH MARKS

CONTROL: BENCH MARK A.C.S. "16-E10", A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.

M.S.L. ELEVATION = 5134.777'

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

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

REVISIONS

DESIGN

DESIGNED BY BT, RG DATE 6-86
DRAWN BY CM, MJS, CVM DATE 6-86
CHECKED BY ED DATE 6-86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION — PHASE I

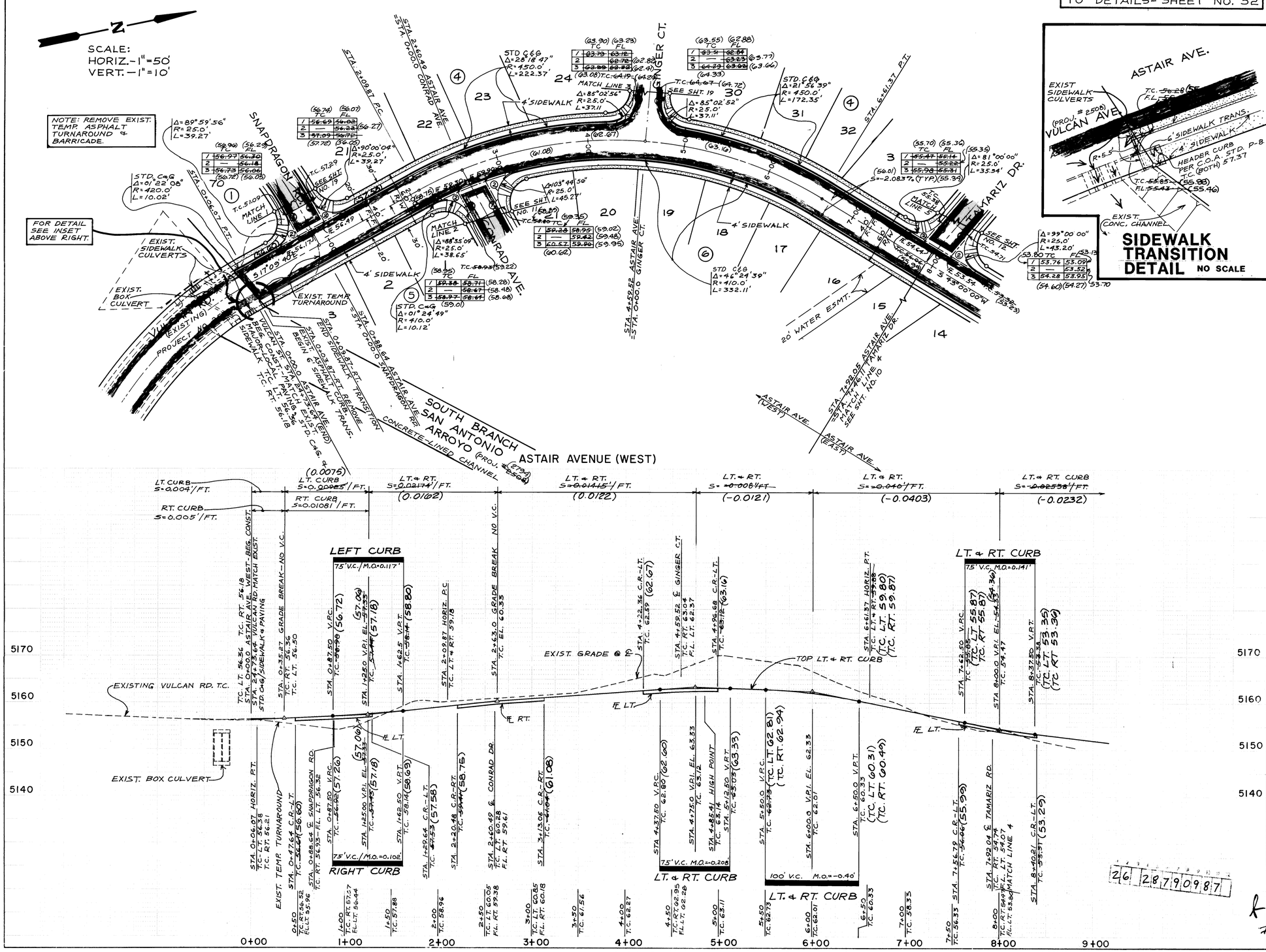
# OVERALL PAVING PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A | 7-29-86 |
| A.C.E.- Design | | 8/5/86 | Traffic | | 7/31/86 |
| A.C.E.-Hydrology | | " | Water | N/A | 7/29/86 |

DRAWING NO. 2879 | MAP NO. E-10 F-10 | SHEET 8 OF 36

26 28790887

NOTE: FOR TYPICAL STREET PAVING SECTIONS, REFER TO DETAILS- SHEET NO. 32




## SIDEWALK TRANSITION DETAIL NO SCALE




PAVING NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| P- 8 | T- 9(Case III) |
| P- 9 | K-16 |
| P-11 | K-20 |
| P-13(offset type) | K-21 |
| P-17 | |
| P-18 | |

## LEGEND

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTION
WATER LINE
GATE VALVE
FIRE HYDRANT
REDUCER
TEE
BENDS
WATER SERVICE CONNECTION
CAPS & PLUGS
CROSS
SIDEWALK
STANDARD CURB & GUTTER
MOUNTABLE CURB & GUTTER
RESIDENTIAL PAVING
VALLEY GUTTER (CONC.)
CROWN TRANSITION AREA
WHEELCHAIR RAMP (CASE II)
BARRICADE (TYPE III)

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10", A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION = 5134.777'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

REVISIONS

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

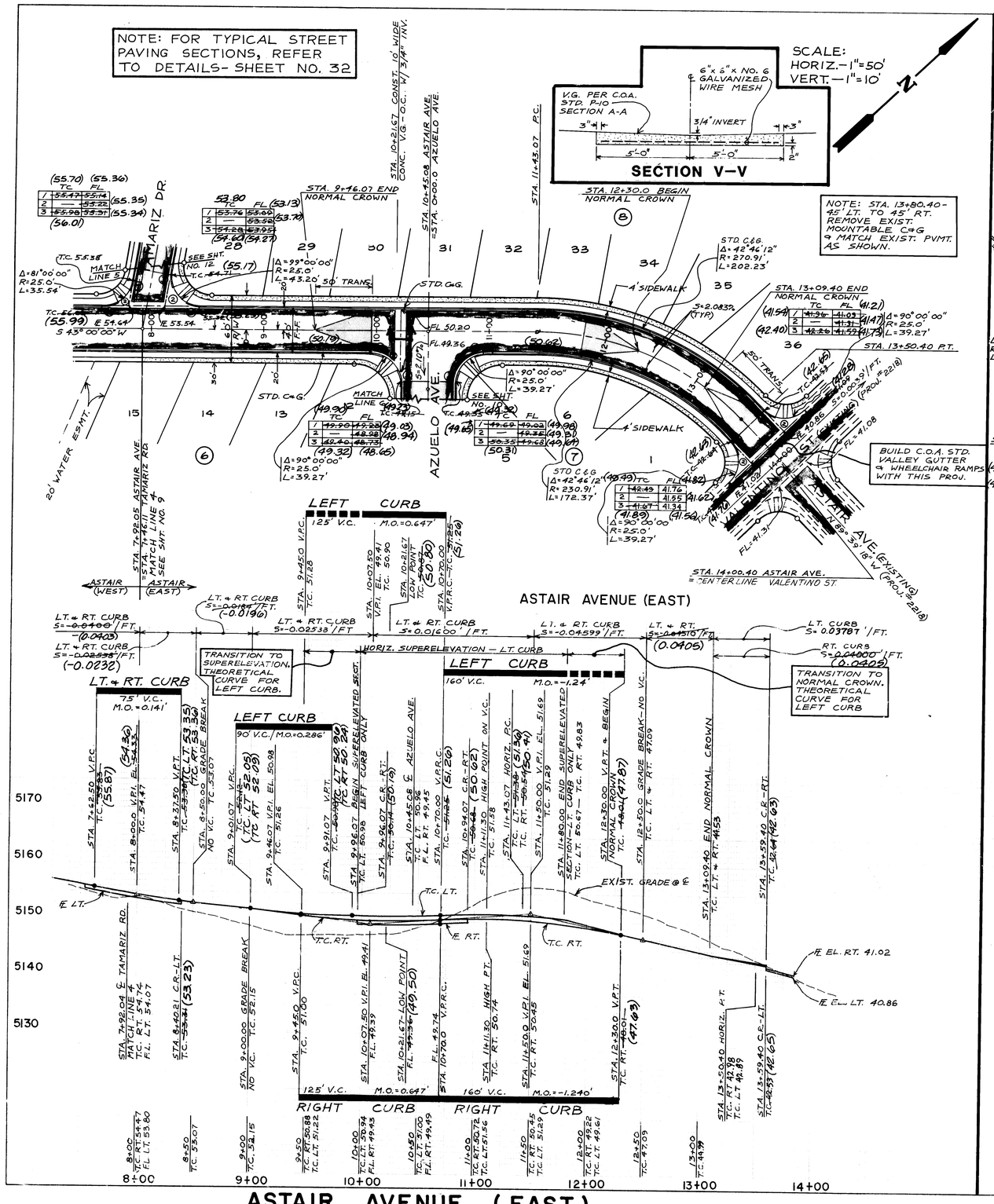
DESIGN
DESIGNED BY R.G. DATE 6/86
DRAWN BY C.C.M. DATE 6/86
CHECKED BY E.D. DATE 6/86

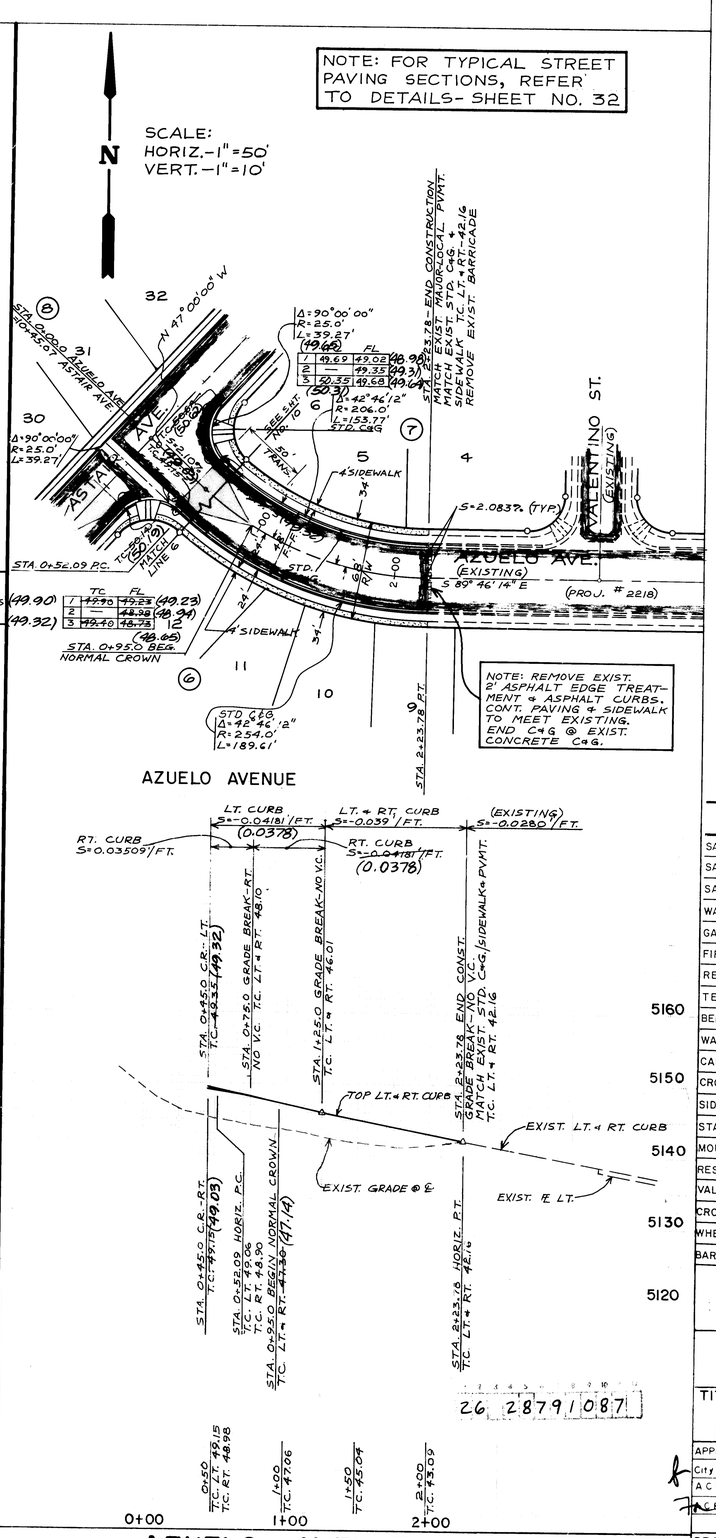
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION—PHASE I
# ASTAIR AVENUE (WEST) PAVING PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A W/W | 7/29/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | | 7/31/86 |
| A.C.E.-Hydrology | | | Water | N/A W/W | 7/29/86 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | E-10 & F-10 | 9 | 36 |




## PAVING NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| P- 8 | T- 9(Case III) |
| P- 9 | K-16 |
| P-11 | K-20 |
| P-13(offset type) | K-21 |
| P-17 | |
| P-18 | |

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | T T |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION = 5134.777'

SURVEY INFORMATION
FIELD NOTES
NO. — BY — DATE

ENGINEER'S SEAL

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

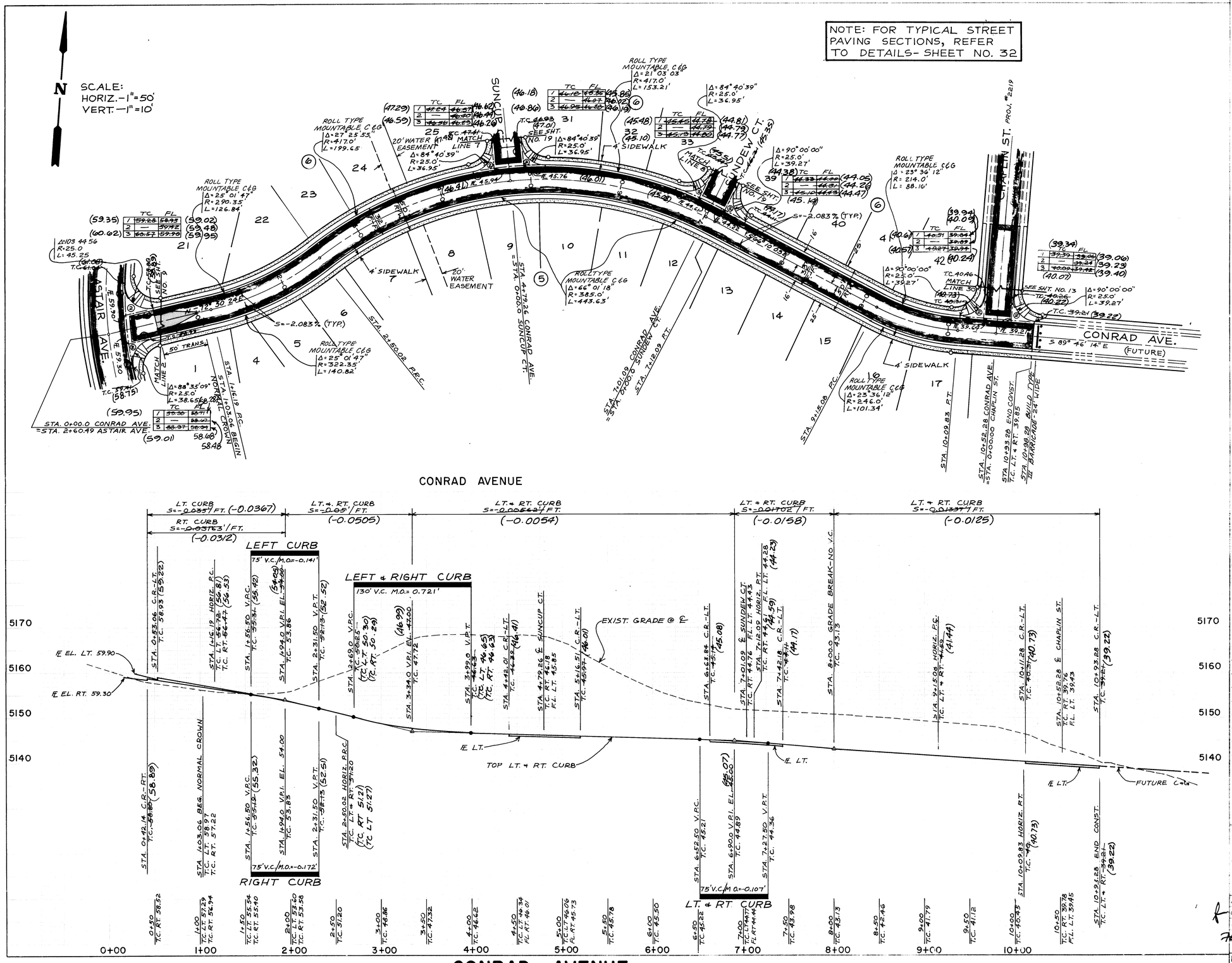
DESIGNED BY R.G. — DATE 6/86
DRAWN BY C.C.M. — DATE 6/86
CHECKED BY E.D. — DATE 6/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION—PHASE I
# ASTAIR AVENUE(EAST) & AZUELO AVENUE PAVING PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A | 7/29/86 |
| A C E - Design | | 8/5/86 | Traffic | | 8/13/86 |
| A C E - Hydrology | | " | Water | N/A | 7/29/86 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | E-10 & F-10 | 10 | 36 |




## PAVING NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| P- 8 | T- 9(Case III) |
| P- 9 | K-16 |
| P-11 | K-20 |
| P-13(offset type) | K-21 |
| P-17 | |
| P-18 | |

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

2'6' 28 79 1 1 87

AS BUILT INFORMATION

CONTRACTOR
A.C.S. INSPECTOR
DATE
ACCEPTANCE BY
DATE
VERIFICATION BY
DATE
CHANGES
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO

BENCH MARKS

CONTROL: BENCH MARK A.C.S. "16-E10"

A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.

M.S.L. ELEVATION = 5134.777'

SURVEY INFORMATION

FIELD NOTES

| NO | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

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

DESIGNED BY R.G. DATE 6/86
DRAWN BY C.C.M. DATE 6/86
CHECKED BY E.D. DATE 6/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE RINCON SUBDIVISION—PHASE I

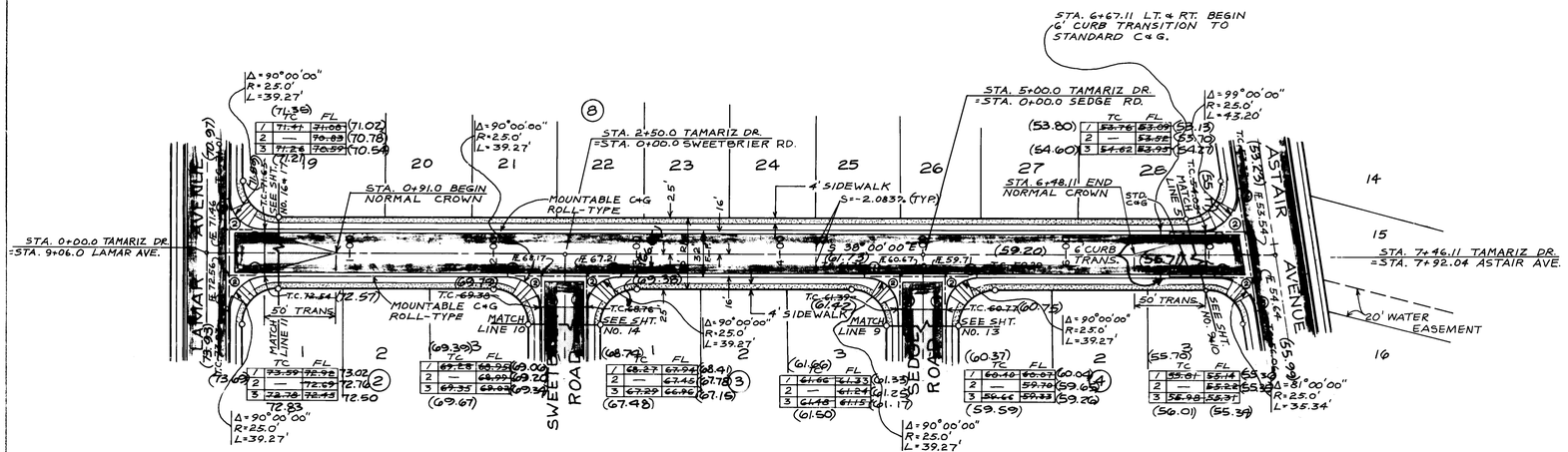
# CONRAD AVENUE PAVING PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A | 7/29/86 |
| A.C.E. Design | | 8/5/86 | Traffic | | 7/31/86 |
| A.C.E. Hydrology | | " | Water | N/A | 7/29/86 |

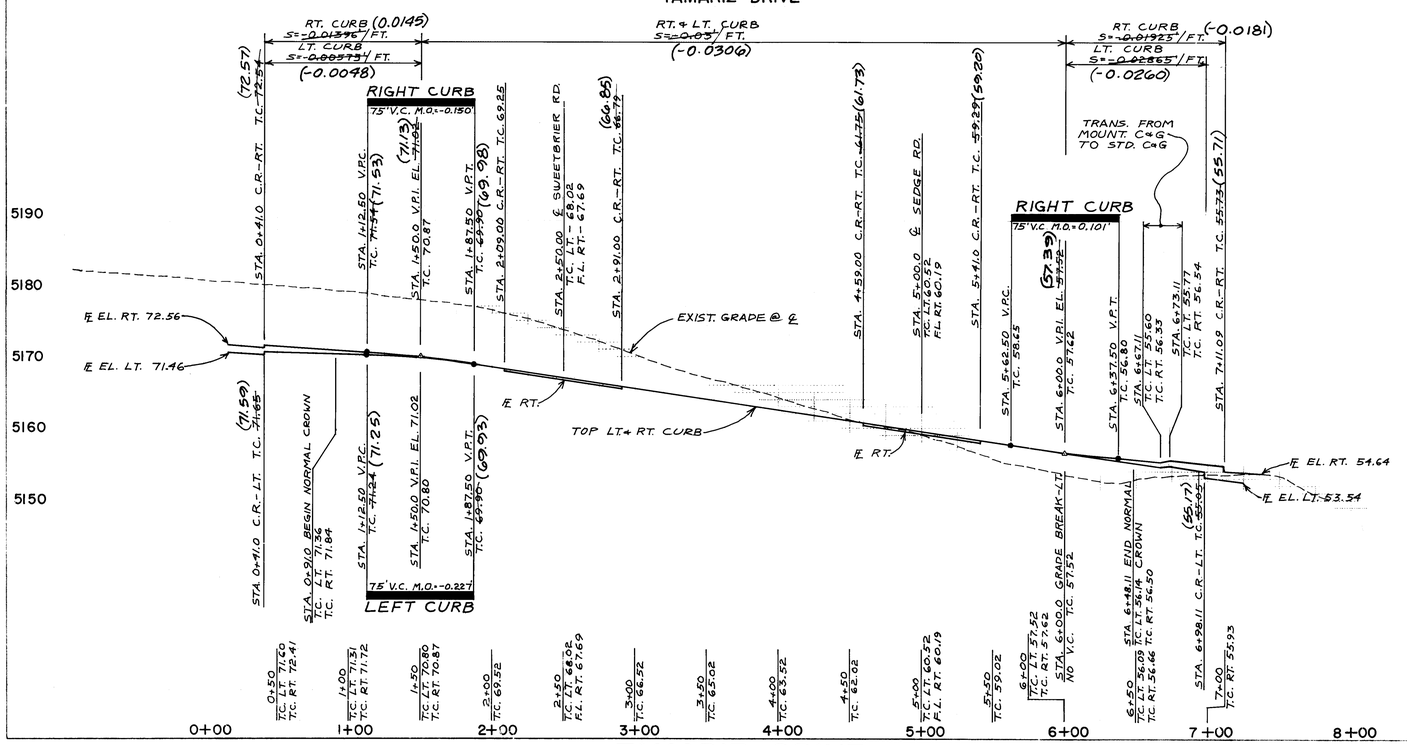
| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | E-10 & F-10 | 11 | 36 |

NOTE: FOR TYPICAL STREET PAVING SECTIONS, REFER TO DETAILS- SHEET NO. 32

SCALE:
HORIZ.-1"=50'
VERT.-1"=10'




TAMARIZ DRIVE




TAMARIZ DRIVE

PAVING NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| P- 8 | T- 9(Case III) |
| P- 9 | K-16 |
| P-11 | K-20 |
| P-13(offset type) | K-21 |
| P-17 | |
| P-18 | |

## LEGEND

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTION
WATER LINE
GATE VALVE
FIRE HYDRANT
REDUCER
TEE
BENDS
WATER SERVICE CONNECTION
CAPS & PLUGS
CROSS
SIDEWALK
STANDARD CURB & GUTTER
MOUNTABLE CURB & GUTTER
RESIDENTIAL PAVING
VALLEY GUTTER (CONC.)
CROWN TRANSITION AREA
WHEELCHAIR RAMP (CASE II)
BARRICADE (TYPE III)

26 28 79 1 28 7

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE

AS BUILT INFORMATION
CONTRACTOR
INSPECTOR
A.C.S. ACKN. BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS & COMMENTS BY DATE
MICRO-FILM INFORMATION DATE

ENGINEER'S SEAL

REVISIONS
NO. DATE REMARKS BY
DESIGN DATE 6/86
ENGINEER BY R.G. DATE 6/86
DRAWN BY C.C.M.
REVIEWED BY E.D. DATE 6/86

CURB AT THE N.E. CURB RETURN
AT THE INTERSECTION OF ATRISCO
ROAD N.W. AND FLOR DEL SOL
PLACE N.W.

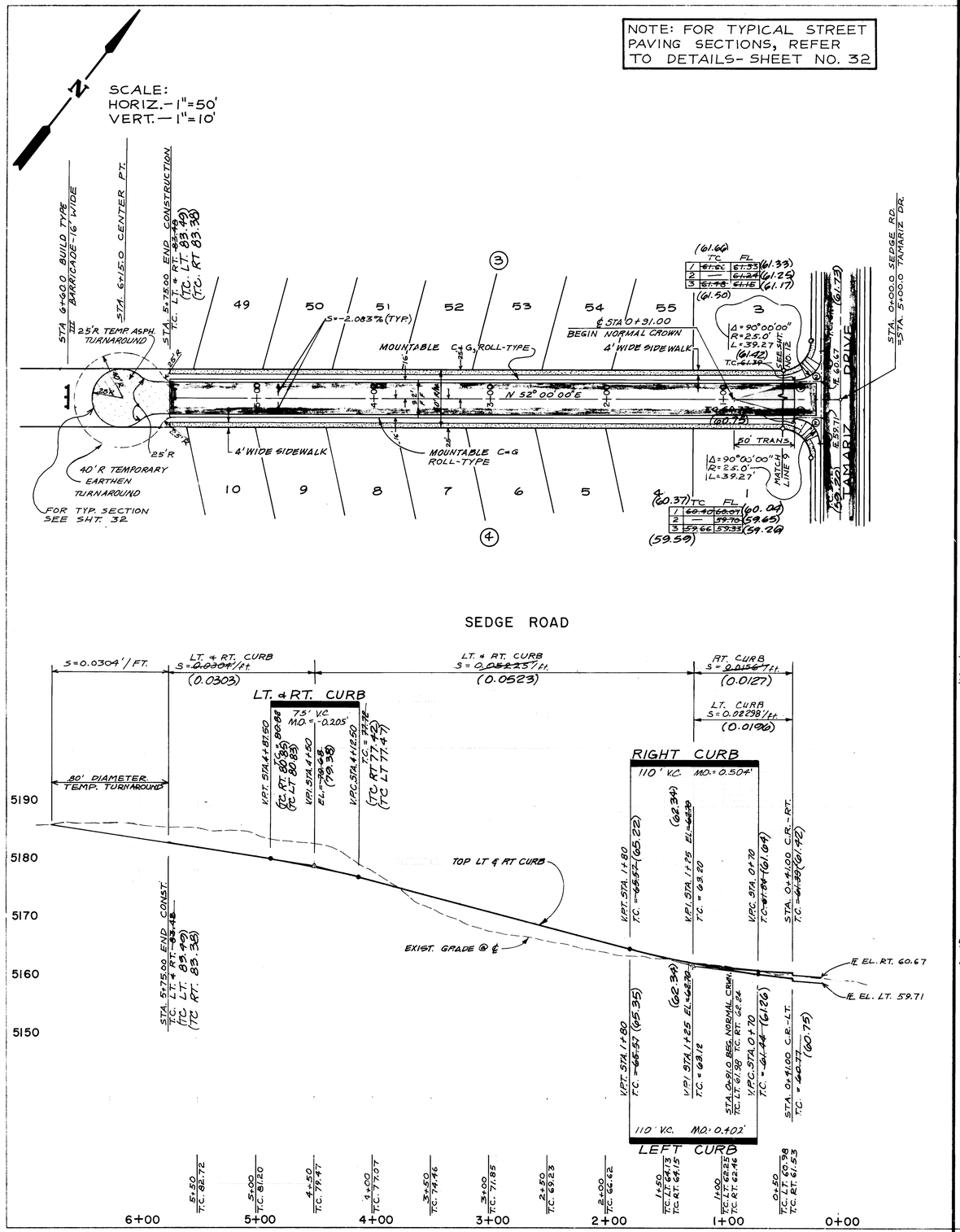
M.S.L. ELEVATION= 5134.777'

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

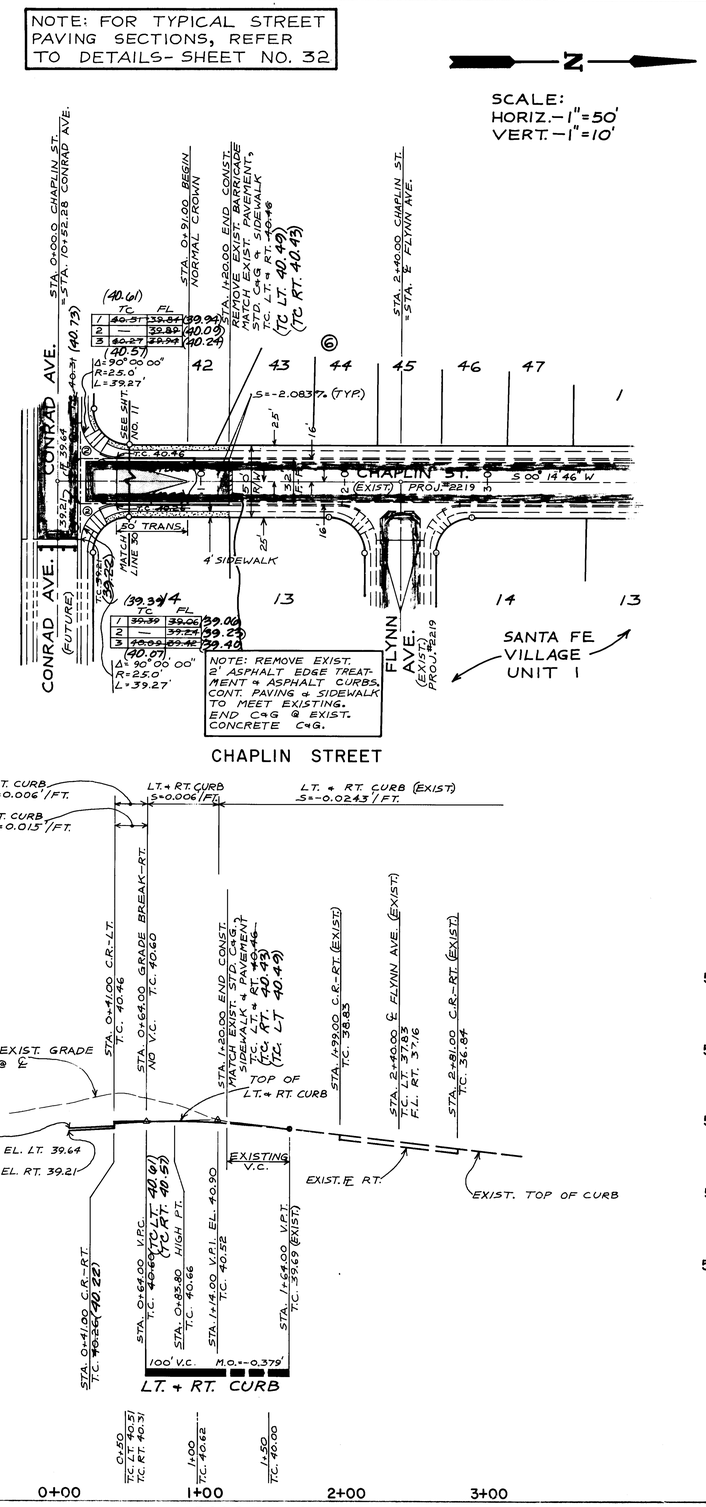
TITLE: RINCON SUBDIVISION—PHASE I
# TAMARIZ DRIVE
# PAVING PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/4/86 | Liquid Waste | N/A | 7/29/86 |
| A&E - Design | | 8/5/86 | Traffic | | 3/31/86 |
| A&E - Hydrology | | " | Water | N/A | 7/29/86 |

DRAWING NO 2879 | MAP NO. E-10 & F-10 | SHEET 12 OF 36




SEDGE ROAD




CHAPLIN STREET




SEDGE ROAD




CHAPLIN STREET

PAVING NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| P- 8 | T- 9(Case III) |
| P- 9 | K-16 |
| P-11 | K-20 |
| P-13(offset type) | K-21 |
| P-17 | |
| P-18 | |

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

26 28791387

SURVEY INFORMATION — FIELD NOTES — NO. — BY — DATE

BENCH MARKS — CONTROL: BENCH MARK A.C.S. "16-E10" A ☐ CHISELED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.

M.S.L. ELEVATION=-5134.777'

AS BUILT INFORMATION — CONTRACTOR — NOTES BY — DATE — AS-BUILTS BY — DATE — FIELD VERIFICATION OF DRAWINGS BY — DATE — MICROFILM INFORMATION — RECORDED BY — DATE — NO.

ENGINEER'S SEAL

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | DESIGN | |

DESIGNED BY R.G. DATE 6/86
DRAWN BY C.C.M. DATE 6/86
CHECKED BY E.D. DATE 6/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE RINCON SUBDIVISION-PHASE I

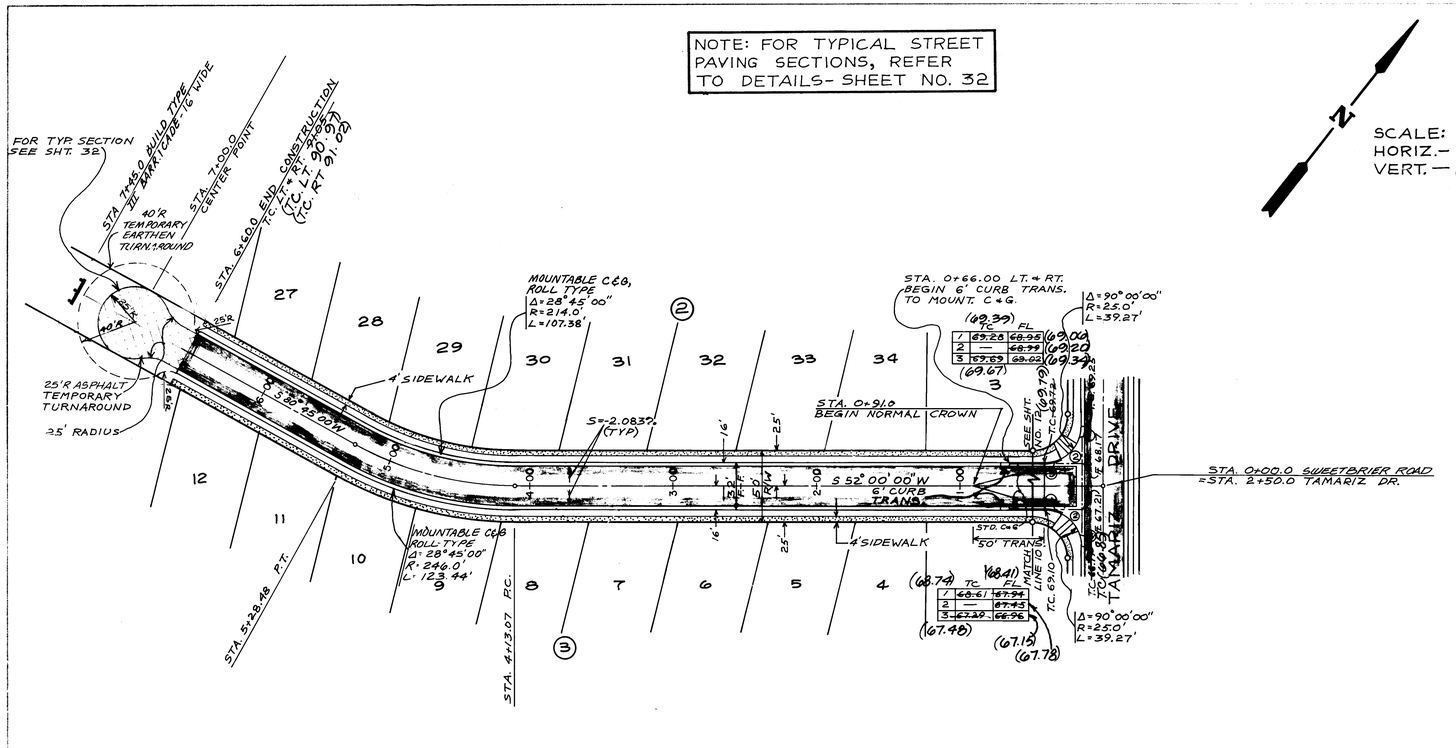
# SEDGE ROAD & CHAPLIN STREET PAVING PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A | 7/29/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | | 7/31/86 |
| A.C.E.-Hydrology | | | Water | N/A | 7/29/86 |

DRAWING NO. 2879 — MAP NO. E-10 & F-10 — SHEET 13 OF 36

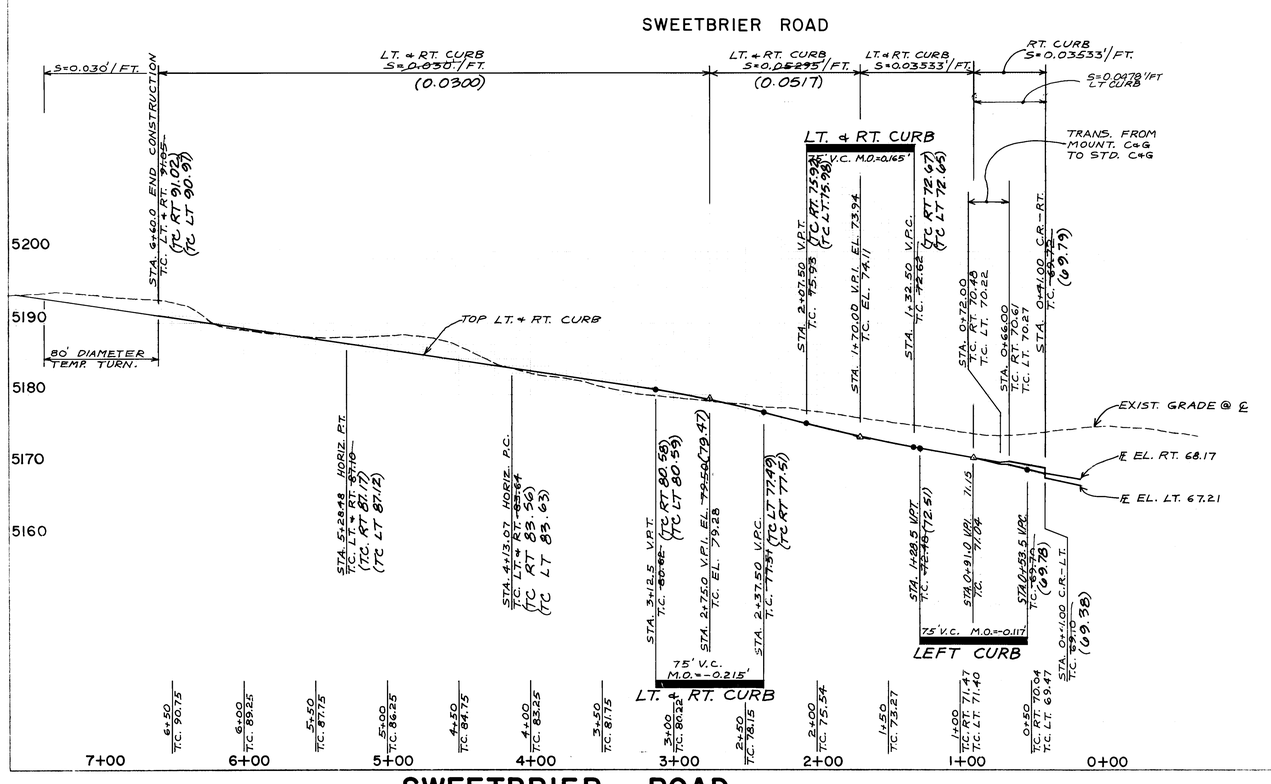
NOTE: FOR TYPICAL STREET PAVING SECTIONS, REFER TO DETAILS- SHEET NO. 32

SCALE:
HORIZ.- 1"=10'
VERT. — 1"=50'




| | TC | FL |
|---|---|---|
| 1 | 69.28 | 68.95 |
| 2 | — | 68.79 |
| 3 | 69.69 | 68.62 |

| | TC | FL |
|---|---|---|
| 1 | 68.61 | 67.94 |
| 2 | — | 67.45 |
| 3 | 67.20 | 66.96 |




## PAVING NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| P- 8 | T- 9(Case III) |
| P- 9 | K-16 |
| P-11 | K-20 |
| P-13(offset type) | K-21 |
| P-17 | |
| P-18 | |

EVD

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

26 28791487

AS BUILT INFORMATION

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION=5134.777'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

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

DESIGN DATE 6/86
DRAWN BY C.C.M. DATE 6/86
APPROVED BY E.D. DATE 6/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE RINCON SUBDIVISION—PHASE I
# SWEETBRIER ROAD PAVING PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A | 7/29/86 |
| A C E - Design | | 8/5/86 | Traffic | | 7/31/86 |
| A C E - Hydrology | | " | Water | N/A | 7/29/86 |

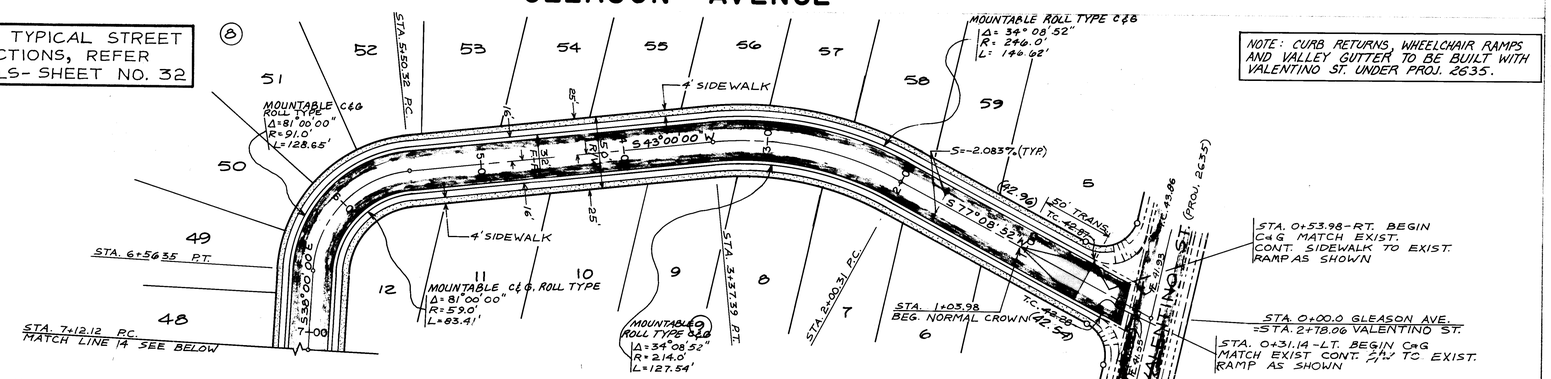
DRAWING NO 2879 | MAP NO. E-10 & F-10 | SHEET 14 OF 36

# GLEASON AVENUE

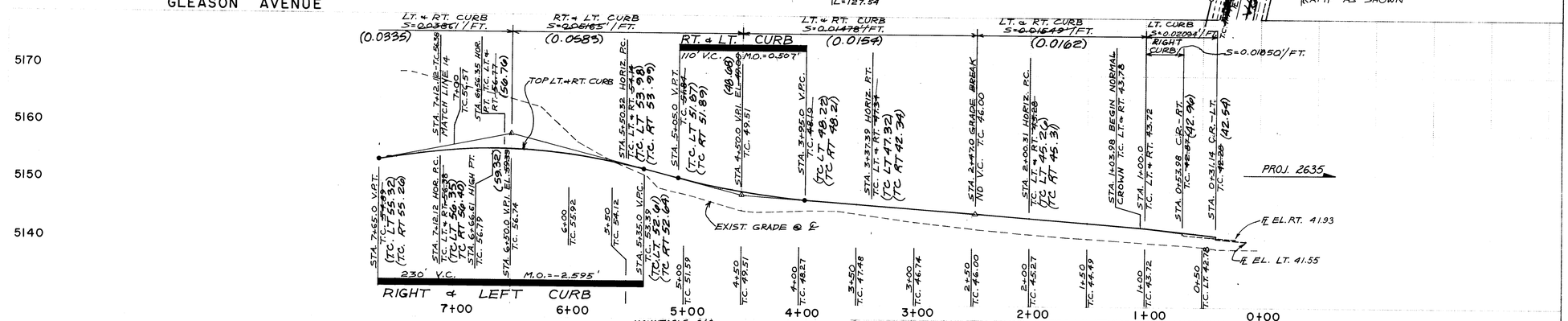
NOTE: FOR TYPICAL STREET PAVING SECTIONS, REFER TO DETAILS- SHEET NO. 32

SCALE:
HORIZ.-1"=50'
VERT.-1"=10'

NOTE: CURB RETURNS, WHEELCHAIR RAMPS AND VALLEY GUTTER TO BE BUILT WITH VALENTINO ST. UNDER PROJ. 2635.



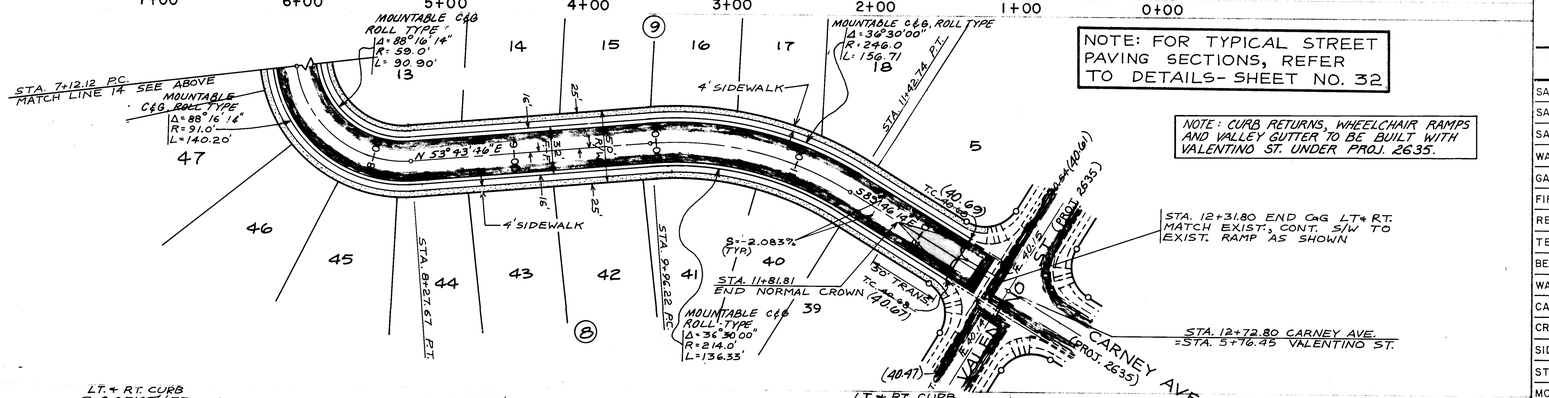

## GLEASON AVENUE



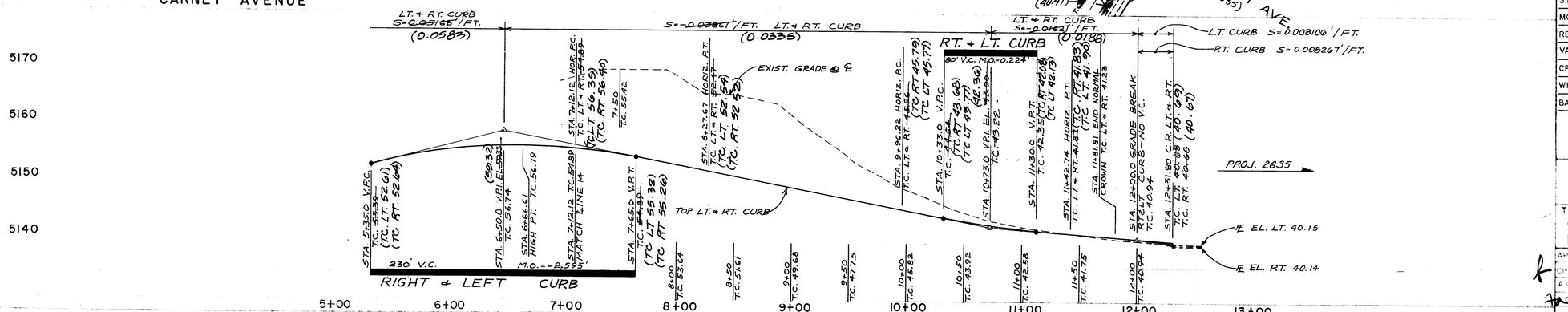

NOTE: FOR TYPICAL STREET PAVING SECTIONS, REFER TO DETAILS- SHEET NO. 32

SCALE:
HORIZ.-1"=50'
VERT.-1"=10'

NOTE: CURB RETURNS, WHEELCHAIR RAMPS AND VALLEY GUTTER TO BE BUILT WITH VALENTINO ST. UNDER PROJ. 2635.




## CARNEY AVENUE




## CARNEY AVENUE

PAVING NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| P- 8 | T- 9(Case III) |
| P- 9 | K-16 |
| P-11 | K-20 |
| P-13(offset type) | K-21 |
| P-17 | |
| P-18 | |

SUVW

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

26 28791587

SURVEY INFORMATION
NO. FIELD NOTES BY DATE

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION= 5134.777'

AS BUILT INFORMATION
NOTED BY
DATE
INSPECTED BY
DATE
CORRECTED BY
DATE
MICRO FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL

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

DESIGN
R.G. DATE 6/86
C.M. DATE 6/86
E.D. DATE 6/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

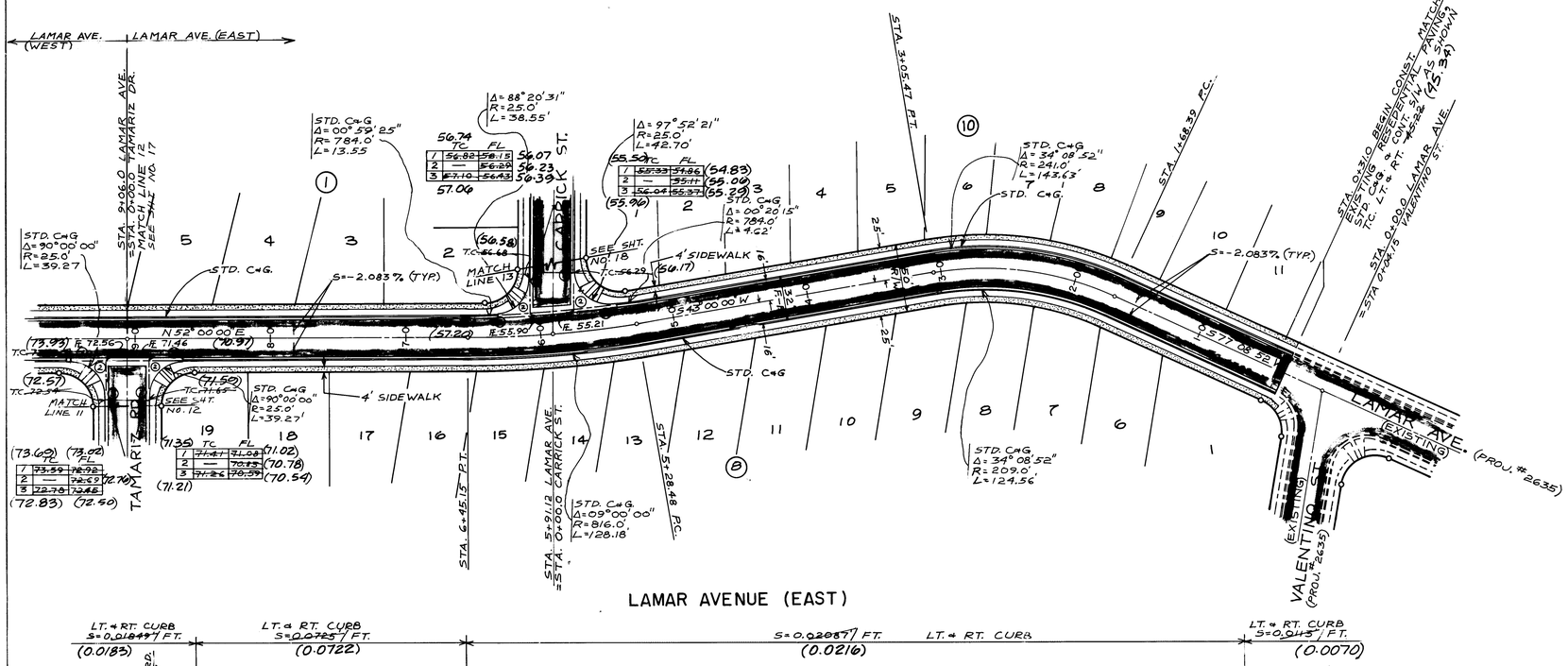
TITLE RINCON SUBDIVISION—PHASE I
**GLEASON AVENUE & CARNEY AVENUE**
**PAVING PLAN & PROFILE**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A | 7/29/86 |
| A.C.E. Design | | 8/15/86 | Traffic | | 7/31/86 |
| A.C.E. Hydrology | | | Water | N/A | 7/29/86 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | E-10 & F-10 | 15 | 36 |

NOTE: FOR TYPICAL STREET PAVING SECTIONS, REFER TO DETAILS- SHEET NO. 32

SCALE:
HORIZ.—1"=50'
VERT.—1"=10'




## PAVING NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| P- 8 | T- 9(Case III) |
| P- 9 | K-16 |
| P-11 | K-20 |
| P-13(offset type) | K-21 |
| P-17 | |
| P-18 | |

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | T T |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

26 28791687

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR — DATE
ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION=.5134.777'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

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

DESIGNED BY R.G. DATE 6/86
DRAWN BY C.C.M. DATE 6/86
CHECKED BY E.D. DATE 6/86

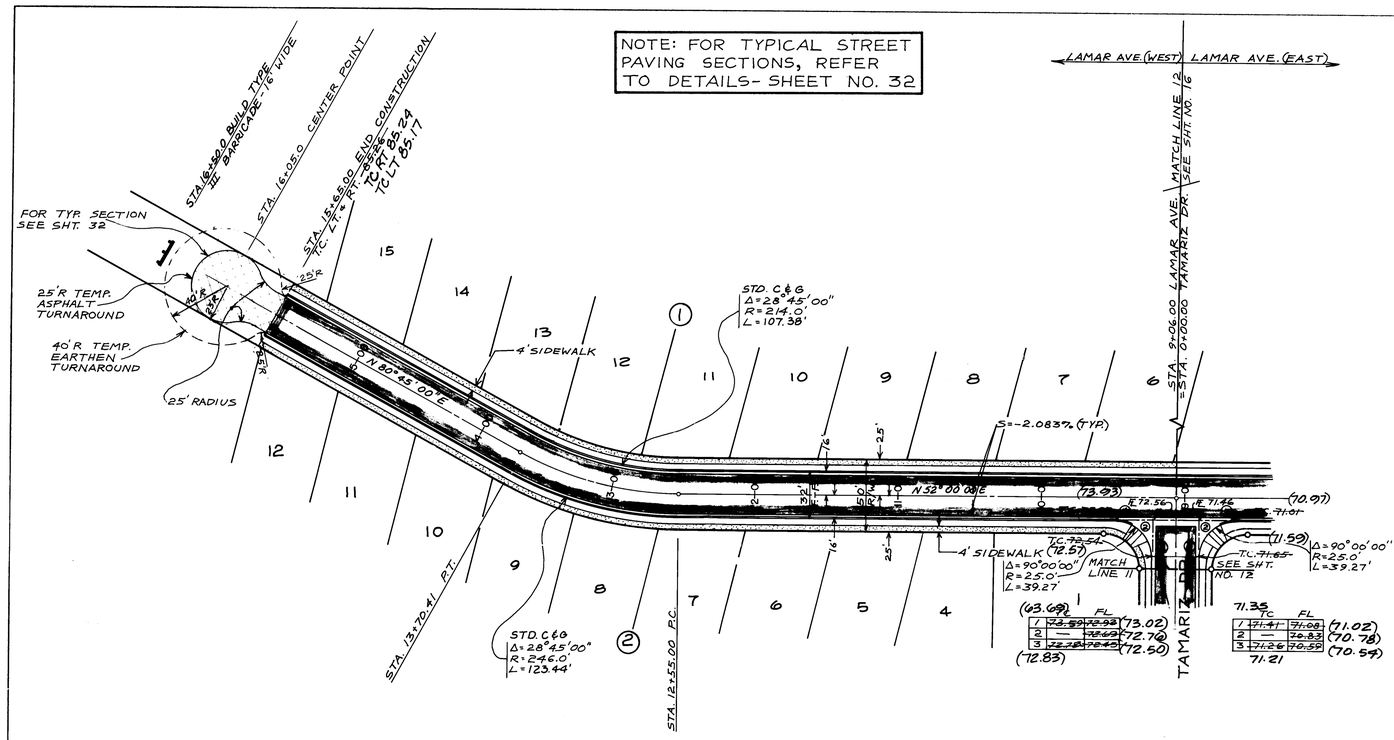
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE RINCON SUBDIVSION—PHASE I
# LAMAR AVENUE (EAST) PAVING PLAN & PROFILE

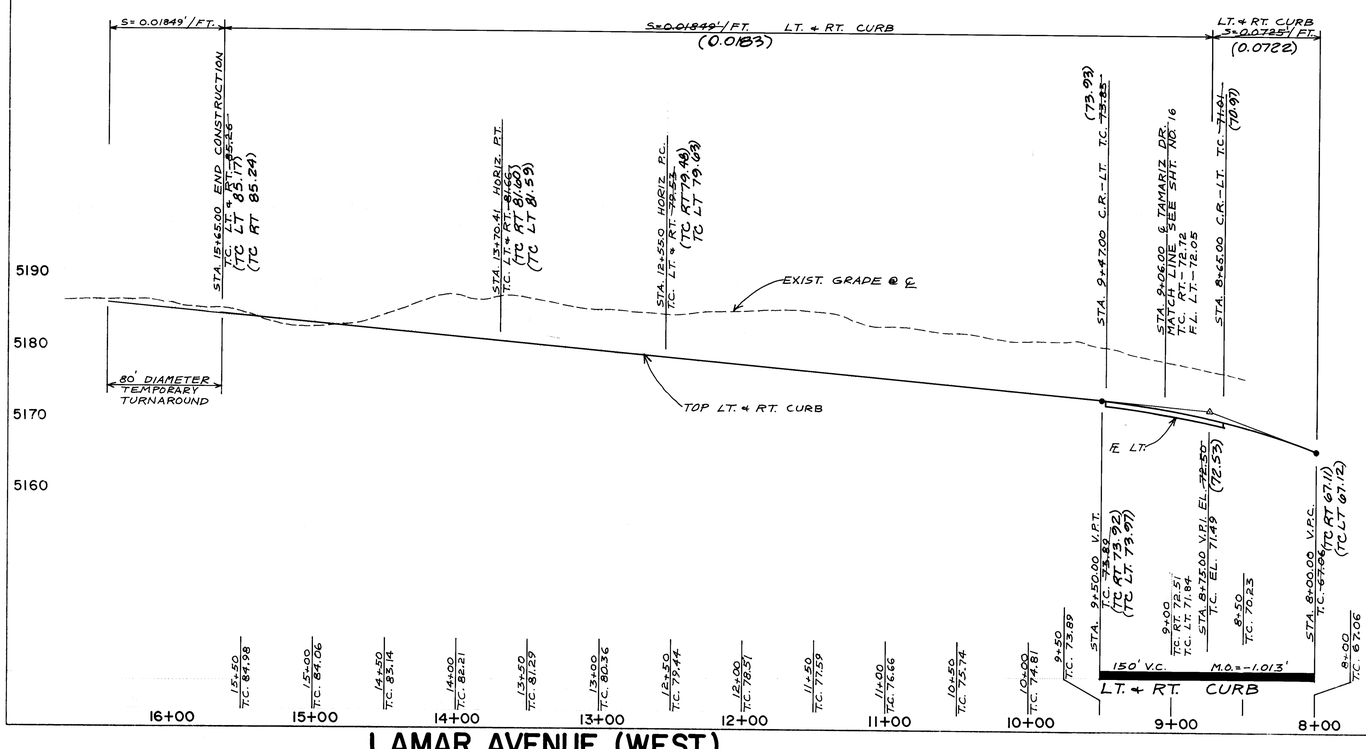
| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A | 7/29/86 |
| A.C.E. Design | | 8/5/86 | Traffic | | 7/31/86 |
| A.C.E. Hydrology | | " | Water | N/A | 7/29/86 |

| DRAWING NO | MAP NO | SHEET | OF |
|---|---|---|---|
| 2879 | E-10 & F-10 | 16 | 36 |

NOTE: FOR TYPICAL STREET PAVING SECTIONS, REFER TO DETAILS- SHEET NO. 32




LAMAR AVENUE (WEST)




LAMAR AVENUE (WEST)

PAVING NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| P- 8 | T- 9(Case III) |
| P- 9 | K-16 |
| P-11 | K-20 |
| P-13(offset type) | K-21 |
| P-17 | |
| P-18 | |

SCALE:
HORIZ.-1" = 50'
VERT.-1" = 10'

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | T T |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

1 2 3 4 5 6 7 8 9 10
26 28 79 17 87

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTOR CHECKED BY DATE
AS-BUILTS FURNISHED BY DATE
FIELD DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION = 5134.777'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS
NO. DATE REMARKS BY

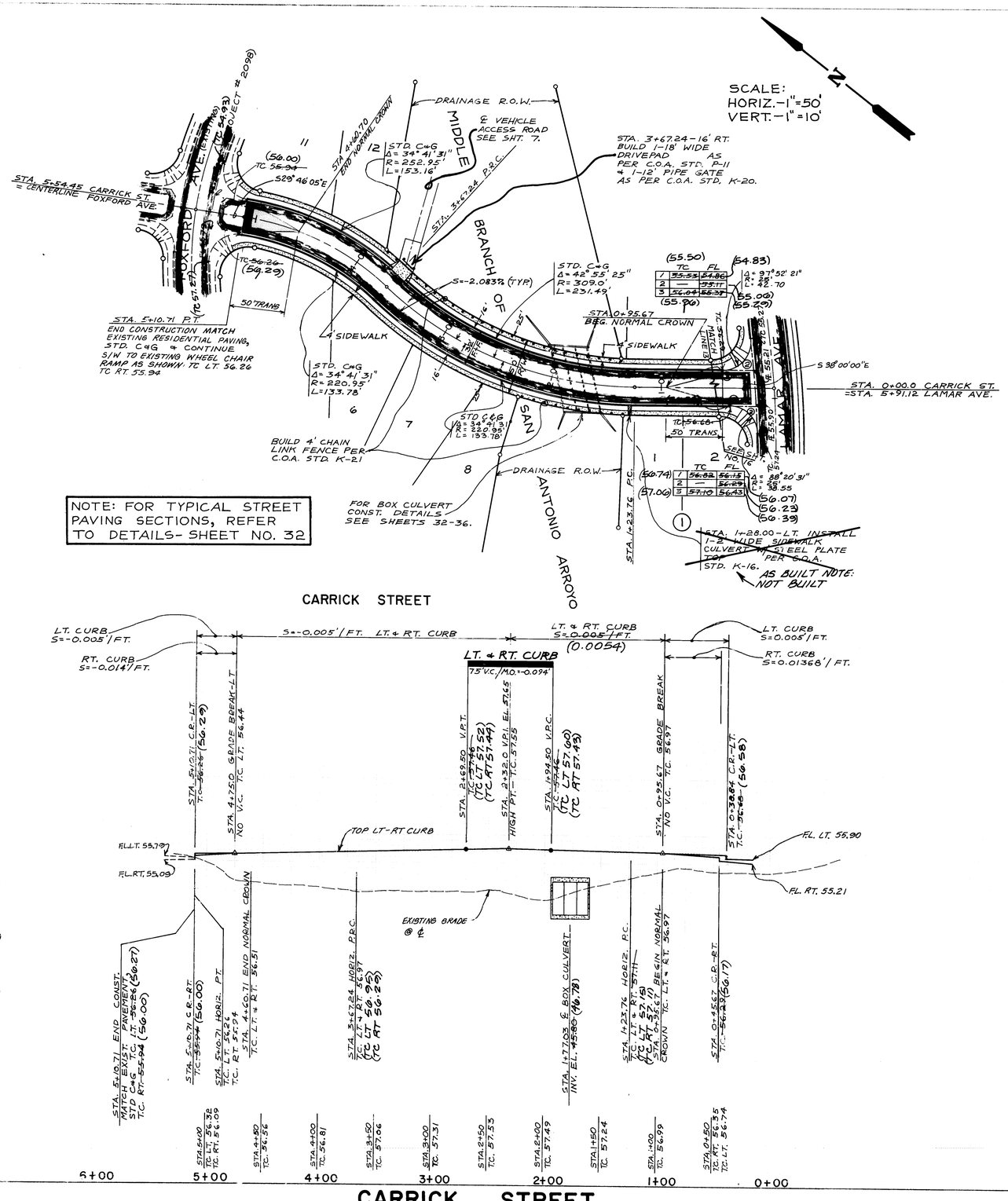
DESIGN
DESIGNED BY R.G. DATE 6/86
DRAWN BY C.C.M. DATE 6/86
CHECKED BY E.D. DATE 6/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION — PHASE I
# LAMAR AVENUE (WEST) PAVING PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A | 7/29/86 |
| A.C.E.-Design | Robert Bowsky | 8/5/86 | Traffic | | |
| A.C.E.-Hydrology | Robert Bowsky | 8/5/86 | Water | N/A | 7/29/86 |

DRAWING NO. 2879 | MAP NO. E-10 & F-10 | SHEET 17 OF 36




PAVING NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| P- 8 | T- 9(Case III) |
| P- 9 | K-16 |
| P-11 | K-20 |
| P-13(offset type) | K-21 |
| P-17 | |
| P-18 | |

CONTROL: BENCH MARK A.C.S. "16-E10", A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.

M.S.L. ELEVATION= 5134.777'

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | T T |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

26 2879/887

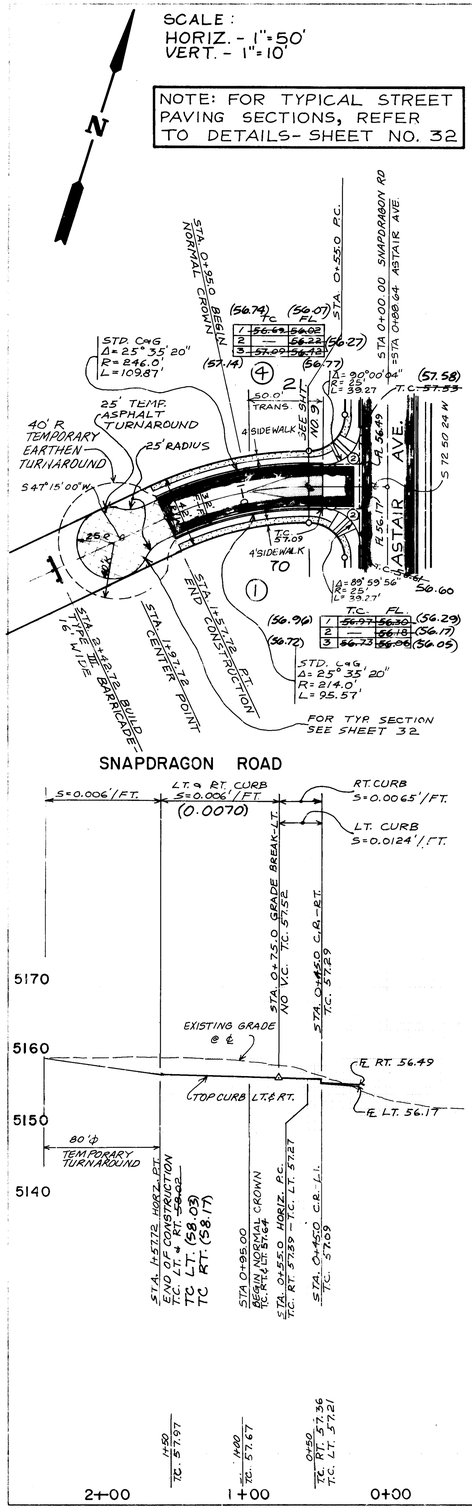
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

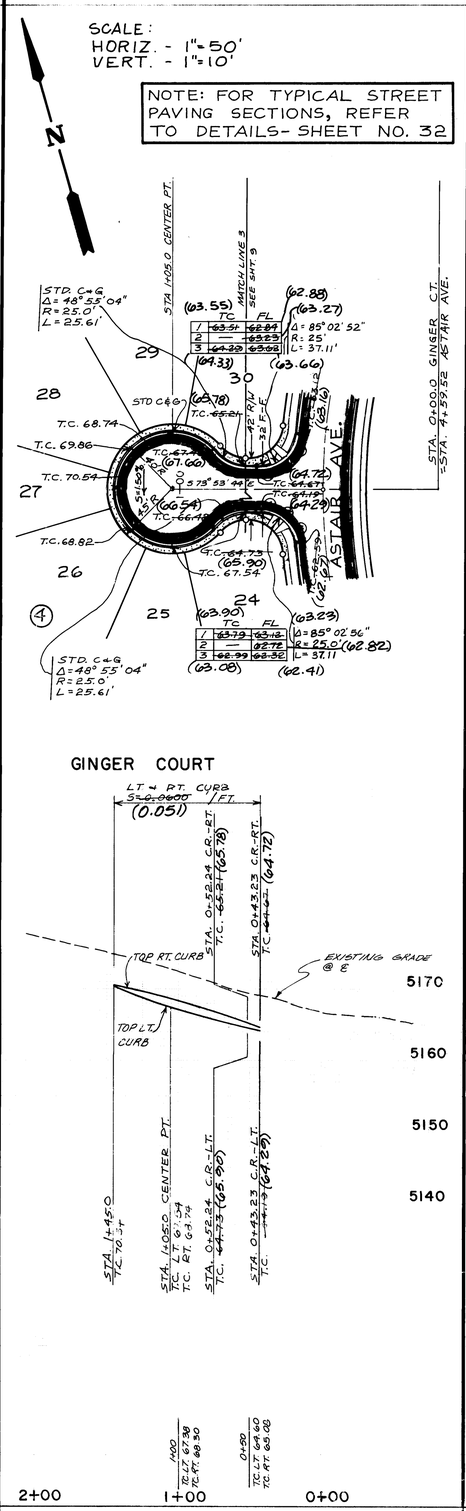
TITLE: RINCON SUBDIVISION-PHASE I
# CARRICK STREET PAVING PLAN & PROFILE

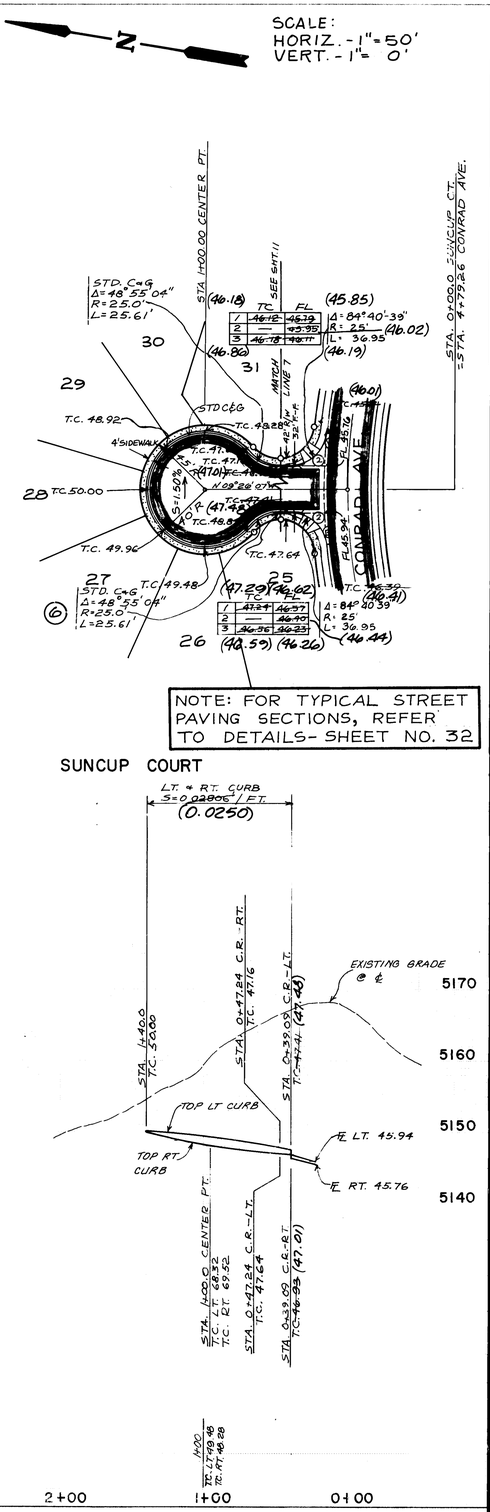
| APPROVALS | ENGINEER | DATE | APPROVAL | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A | 7/29/86 |
| A.C.E.-Design | Robert Bryant | 8/5/86 | Traffic | | 7/1/86 |
| A.C.E.-Hydrology | Robert Bryant | 8/5/86 | Water | N/A | 7/29/86 |

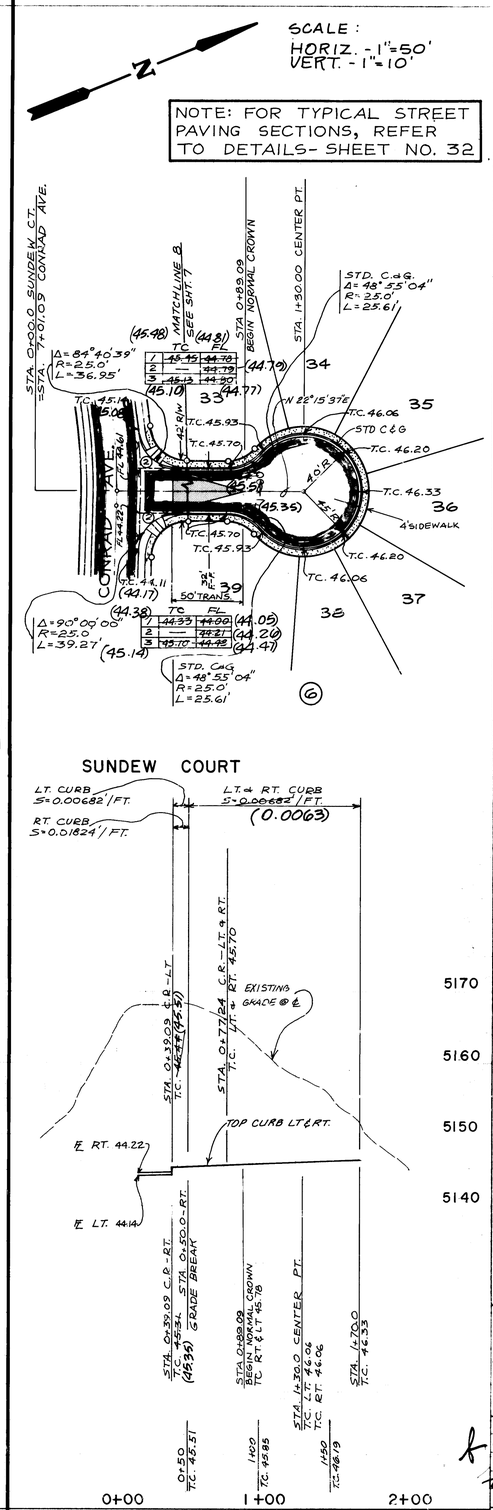
| DATE | REMARKS | BY |
|---|---|---|
| 6/86 | | R.G. |
| 6/86 | REVISIONS | C.C.M. |
| 6/86 | DESIGN | E.D. |

| DRAWING NO | MAP NO | SHEET | OF |
|---|---|---|---|
| 2879 | E-10 & F-10 | 18 | 36 |




NOTE: FOR TYPICAL R.O.W. & F.L. TO F.L. DIMENSIONS & CONSTRUCTION GEOMETRY SEE C.O.A. STD. DRWG. T-9, CASE III.

PAVING NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| P- 8 | T- 9(Case III) |
| P- 9 | K-16 |
| P-11 | K-20 |
| P-13(offset type) | K-21 |
| P-17 | |
| P-18 | |

CONTROL: BENCH MARK A.C.S. "16-E10", A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.

M.S.L. ELEVATION= 5134.777'

2.6 2879.1987

## LEGEND

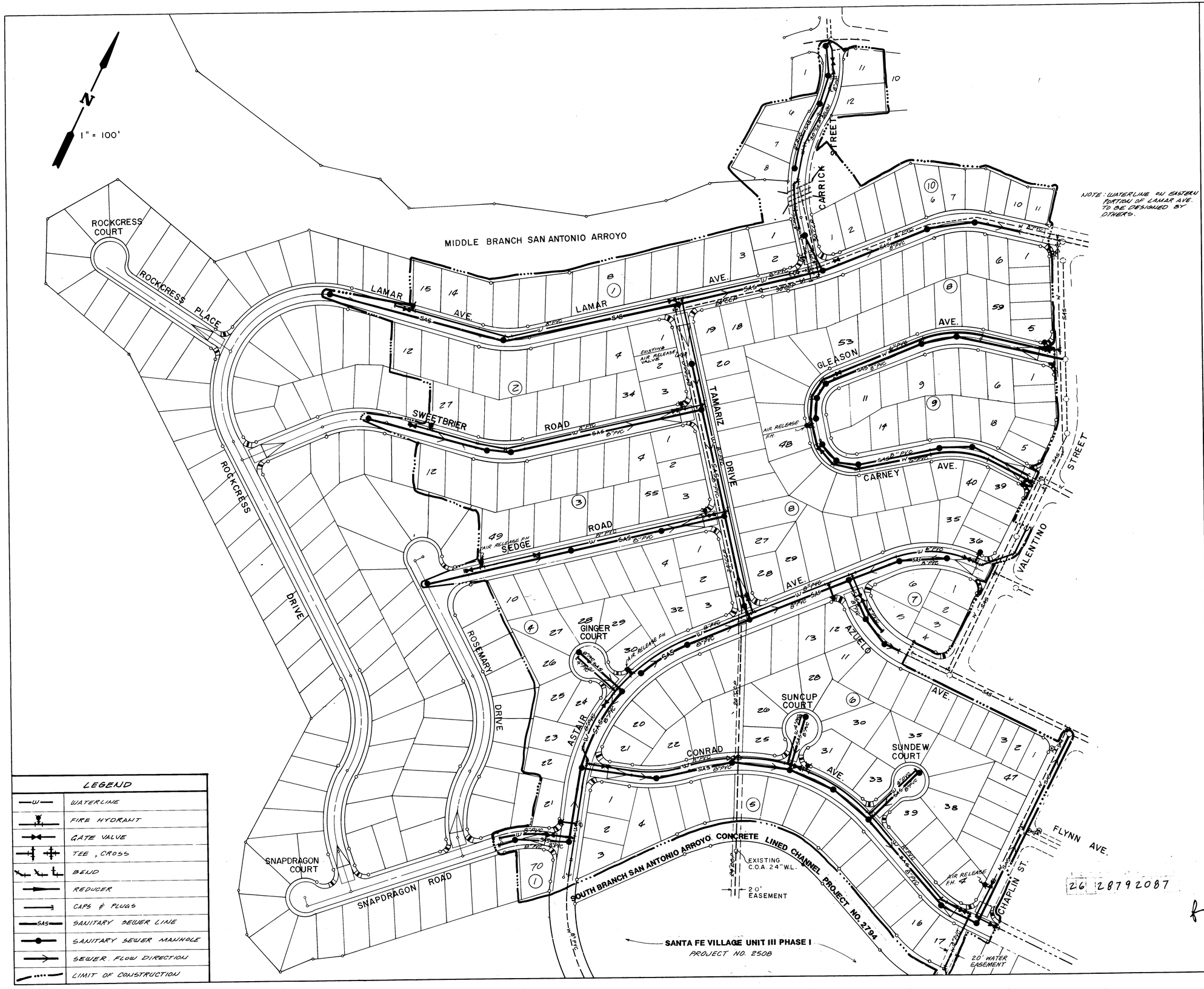
| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | T T |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE RINCON SUBDIVISION - PHASE I
**SNAPDRAGON RD., GINGER CT., SUNCUP CT., & SUNDEW CT. PAVING PLAN & PROFILE**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A | 7/27/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | | 7/31/86 |
| A.C.E.-Hydrology | | | Water | N/A | 7/29/86 |

| DRAWING NO | MAP NO | SHEET | OF |
|---|---|---|---|
| 2879 | E-10 & F-10 | 19 | 36 |




| LEGEND | |
|---|---|
| —W— | WATERLINE |
| | FIRE HYDRANT |
| | GATE VALVE |
| | TEE, CROSS |
| | BEND |
| | REDUCER |
| | CAPS & PLUGS |
| —SAS— | SANITARY SEWER LINE |
| | SANITARY SEWER MANHOLE |
| | SEWER FLOW DIRECTION |
| | LIMIT OF CONSTRUCTION |

UTILITY NOTES

1. THE STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| S- 2 | W- 2 |
| S- 5 | W- 4 |
| S- 6 | W- 7 |
| S- 8 | W- 8 |
| S- 9 | W-10 |
| S-10 | W-14 |
| S-12 | W-15(Case I) |
| | W-16 |
| | W-18 |
| | W-20 |
| | W-22 |
| | W-23 |

**AS BUILT INFORMATION**

| | |
|---|---|
| CONTRACTOR | |
| WORK STAKED BY | DATE |
| INSPECTOR'S ACCEPTANCE BY | DATE |
| FIELD VERIFICATION BY | DATE |
| DRAWINGS CORRECTED BY | DATE |
| MICRO-FILM INFORMATION | |
| RECORDED BY | DATE |
| NO | |

**BENCH MARKS**

CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.

M.S.L. ELEVATION = 5134.777'

**SURVEY INFORMATION**

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

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

DESIGNED BY B.T. FCB DATE 6-86
DRAWN BY C.M. C.M. MS. DATE 6-86
CHECKED BY E.D. DATE 6-86

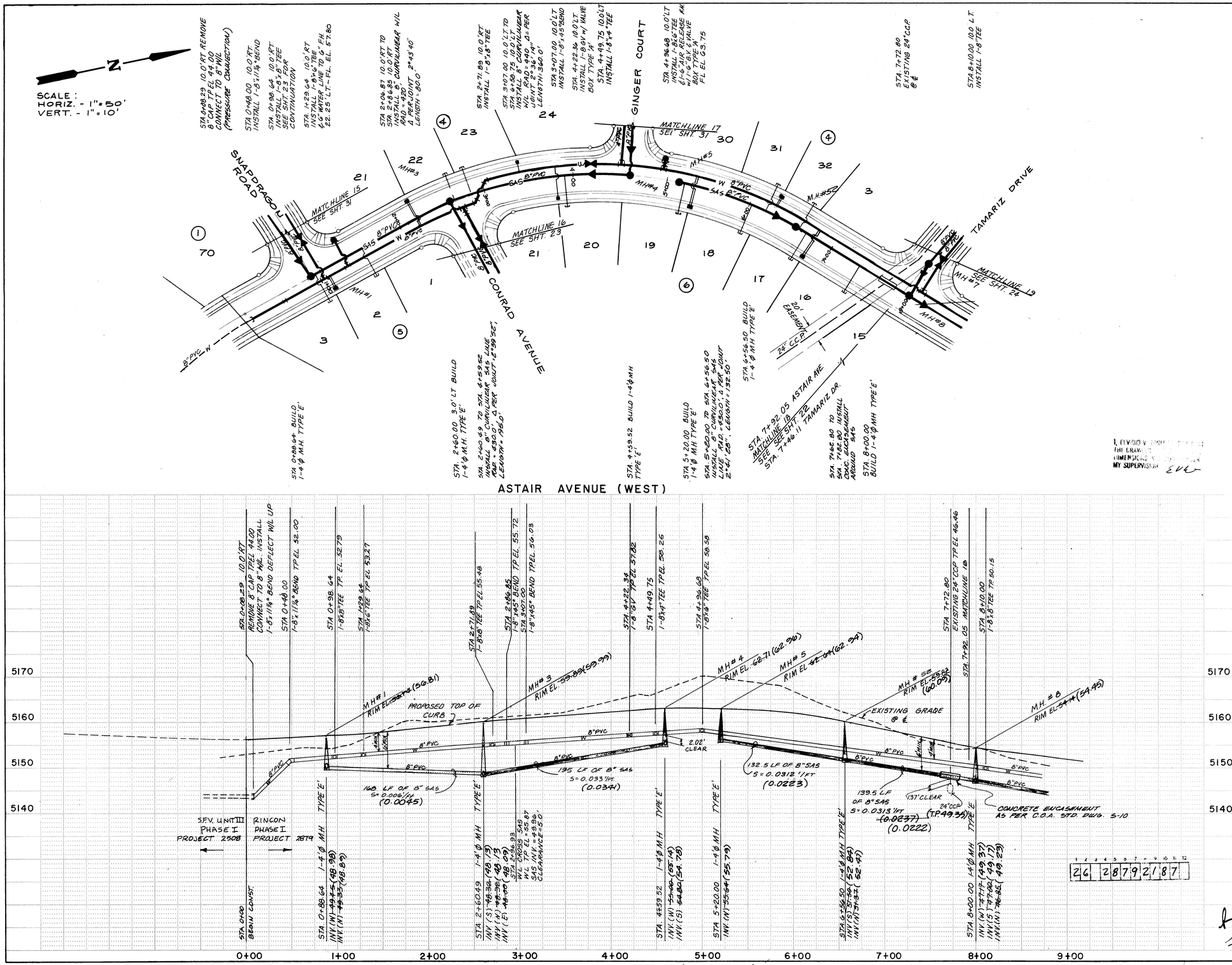
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION — PHASE I

# OVERALL UTILITIES PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | | 7/29/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | | 7/28/86 |
| A.C.E.-Hydrology | | " | Water | | 7/29/86 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | E-10 F-10 | 20 | 36 |




I, EDWARD V. [illegible] THE DRAWING [illegible] DIMENSIONS [illegible] MY SUPERVISION [illegible]

SERVICE LINE LOCATIONS
BLOCK NO. 4

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 21 & 22 | ~~2+20.85~~ ~~2+21.35~~ | WATER | 54.78 |
| ~~2+78.54~~ | ~~2+67.07~~ | SAS | 55.75 |
| 23 | 2+97.24 ~~2+87.89~~ | SAS | 56.02 |
| ~~3+47.34~~ | ~~3+41.27~~ | WATER | 57.50 |
| 32 & 31 | 6+17.30 | SAS | 57.85 |
| ~~6+30.04~~ | ~~6+27.30~~ | WATER | 57.42 |
| ~~6+58.18~~ | ~~6+58.18~~ | SAS | 56.17 52.88 |

SERVICE LINE LOCATIONS
BLOCK NO. 5

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 2 & 3 | ~~0+98.75~~ | SAS | 53.14 |
| ~~1+08.75~~ | ~~1+04.14~~ | WATER | 53.25 |
| ~~1+57.84~~ | ~~1+54.14~~ | SAS | 54.17 |

SERVICE LINE LOCATIONS
BLOCK NO. 6

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 20 & 21 | ~~3+88.30~~ ~~3+85.30~~ | WATER | 58.19 |
| ~~3+99.21~~ | ~~3+91.30~~ | SAS | 58.23 |
| 18 & 19 | ~~5+25.00~~ ~~5+26.00~~ | SAS | 59.07 |
| ~~5+35.73~~ | ~~5+36.00~~ | WATER | 59.00 |
| | 6+03.50 | SAS | 58.05 |
| 16 & 17 | 6+67.50 | SAS | 55.85 |
| | 6+77.50 | WATER | 55.43 |
| | 7+36.50 | SAS | 53.00 |

UTILITY NOTES

1. THE STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| S- 2 | W- 2 |
| S- 5 | W- 4 |
| S- 6 | W- 7 |
| S- 8 | W- 8 |
| S- 9 | W-10 |
| S-10 | W-14 |
| S-12 | W-15(Case I) |
| | W-16 |
| | W-18 |
| | W-20 |
| | W-22 |
| | W-23 |

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION= 5134.777'

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

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

REVISIONS

DESIGN

DESIGNED BY BT — DATE 6/86
DRAWN BY MS — DATE 6/86
CHECKED BY ED — DATE 6/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

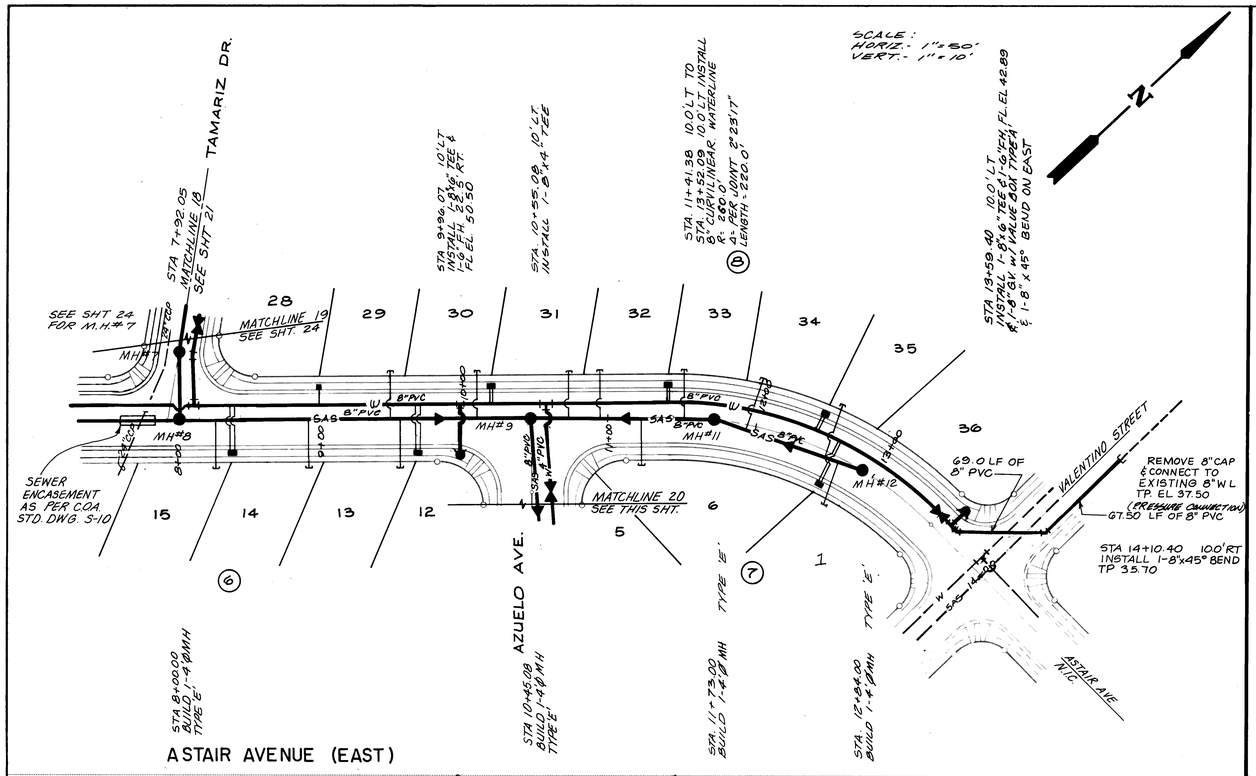
TITLE: RINCON SUBDIVISION—PHASE I

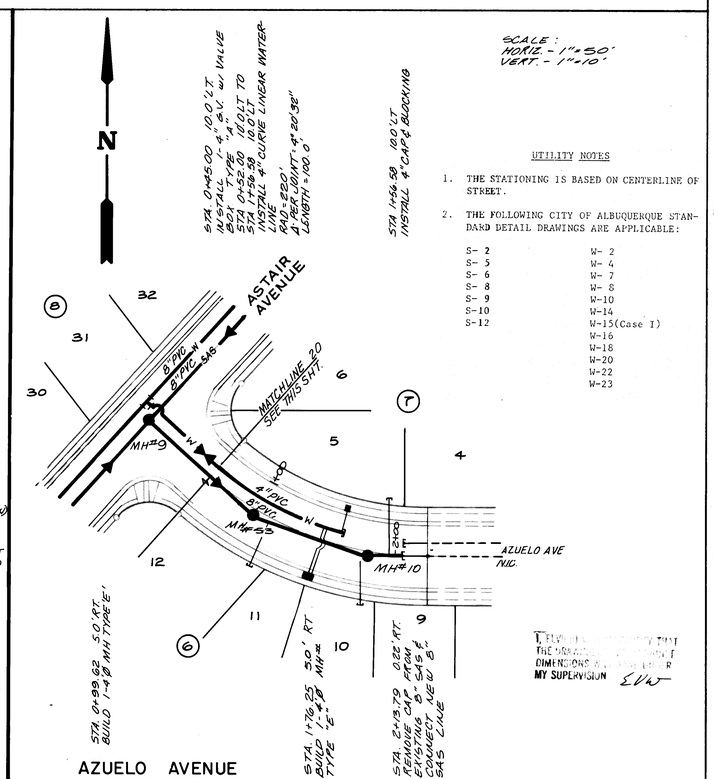
# ASTAIR AVENUE (WEST) UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | | 7/29/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | | 8/6/86 |
| A.C.E.-Hydrology | | 8/5/86 | Water | | 7/21/86 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | E-10 & F-10 | 21 | 36 |

26 2879 21 87




UTILITY NOTES

1. THE STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| S- 2 | W- 2 |
| S- 5 | W- 4 |
| S- 6 | W- 7 |
| S- 8 | W- 8 |
| S- 9 | W-10 |
| S-10 | W-14 |
| S-12 | W-15(Case I) |
| | W-16 |
| | W-18 |
| | W-20 |
| | W-22 |
| | W-23 |

SERVICE LINE LOCATIONS
BLOCK NO. 6

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 11 & 10 | 1+41.25 | WATER | ----- |
| 1+82.91 | ~~1+70.25~~ | SAS | 40.18 |
| 12 | 1+03.29 | | 42.95 |

SERVICE LINE LOCATIONS
BLOCK NO. 7

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 5 | 1+50.00 | WATER | ----- |
| 1+89.34 | ~~1+90.00~~ | SAS | 39.60 |

SERVICE LINE LOCATIONS
BLOCK NO. 6

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 15 & 14 | 8+21.03 ~~8+26.00~~ | SAS | 49.80 |
| 8+51.03 | ~~8+36.00~~ | WATER | ----- |
| 8+81.03 | ~~8+90.00~~ | SAS | 48.23 |
| 13 & 12 | 9+41.03 ~~9+56.00~~ | SAS | 46.66 |
| 9+61.03 | ~~9+66.00~~ | WATER | ----- |

SERVICE LINE LOCATIONS
BLOCK NO. 7

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 6 & 1 | 11+22.60 | SAS | 46.85 |
| | 12+66.00 | WATER | ----- |
| | 12+75.70 | SAS | 42.17 |

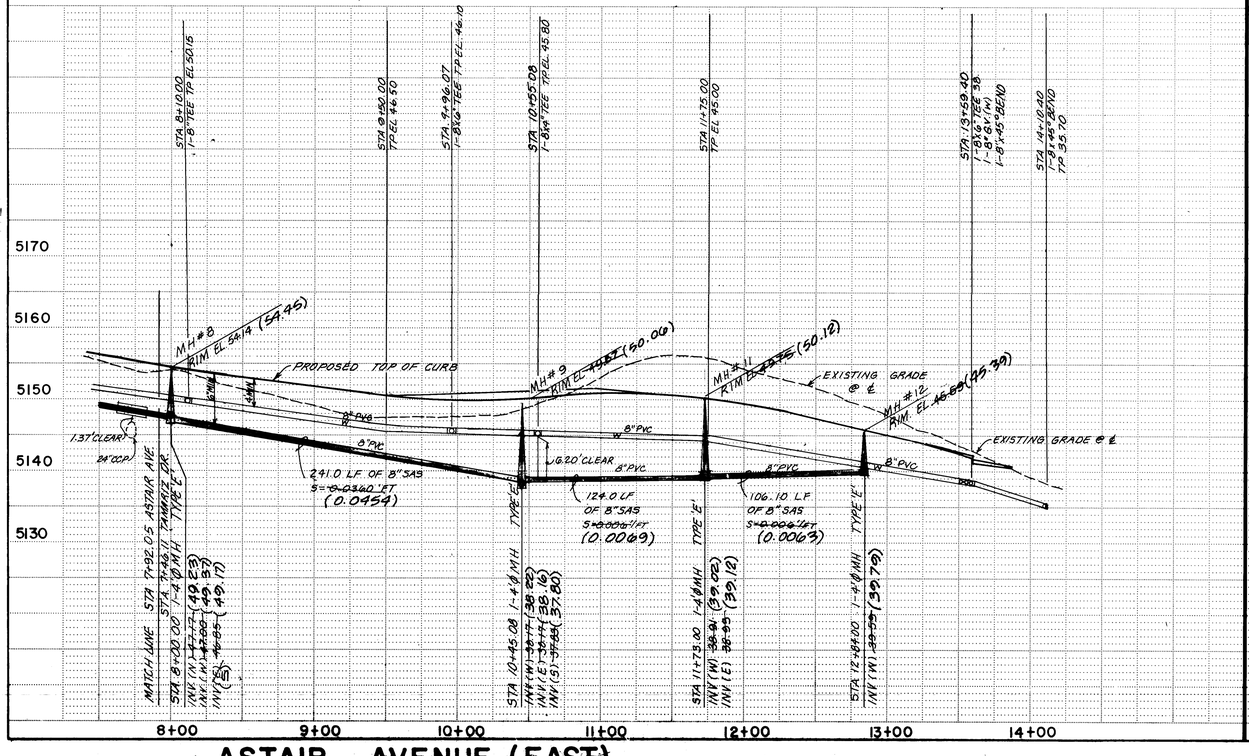
SERVICE LINE LOCATIONS
BLOCK NO. 8

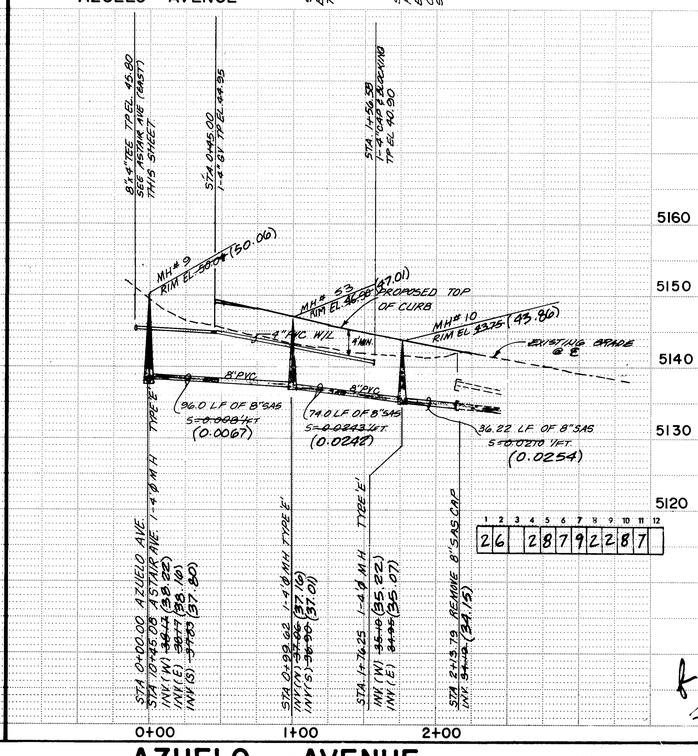
| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 29 | 9+00.00 | WATER | ----- |
| | 9+50.00 | SAS | 42.00 |
| 30 & 31 | 10+00.89 ~~10+08.30~~ | SAS | 47.83 |
| 10+08.30 | ~~10+18.30~~ | WATER | ----- |
| 10+61.96 | ~~10+70.47~~ | SAS | 47.46 |
| 32 & 33 | 10+81.96 ~~10+90.47~~ | SAS | 47.83 |
| 11+41.01 | ~~11+43.00~~ | WATER | ----- |
| 11+51.01 | ~~11+53.00~~ | SAS | 46.61 |
| 34 & 35 | 12+05.22 ~~11+96.00~~ | SAS | 45.50 |
| 12+49.43 | ~~12+40.43~~ | WATER | ----- |
| 12+59.43 | ~~12+50.43~~ | SAS | 43.21 |

I, [illegible] THE [illegible] DIMENSIONS [illegible] MY SUPERVISION EVW

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | T T |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |




| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 6 | | 2 | 8 | 7 | 9 | 2 | 2 | 8 | 7 | |

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR
ACCEPTANCE BY
DATE
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION = 5134.777'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

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

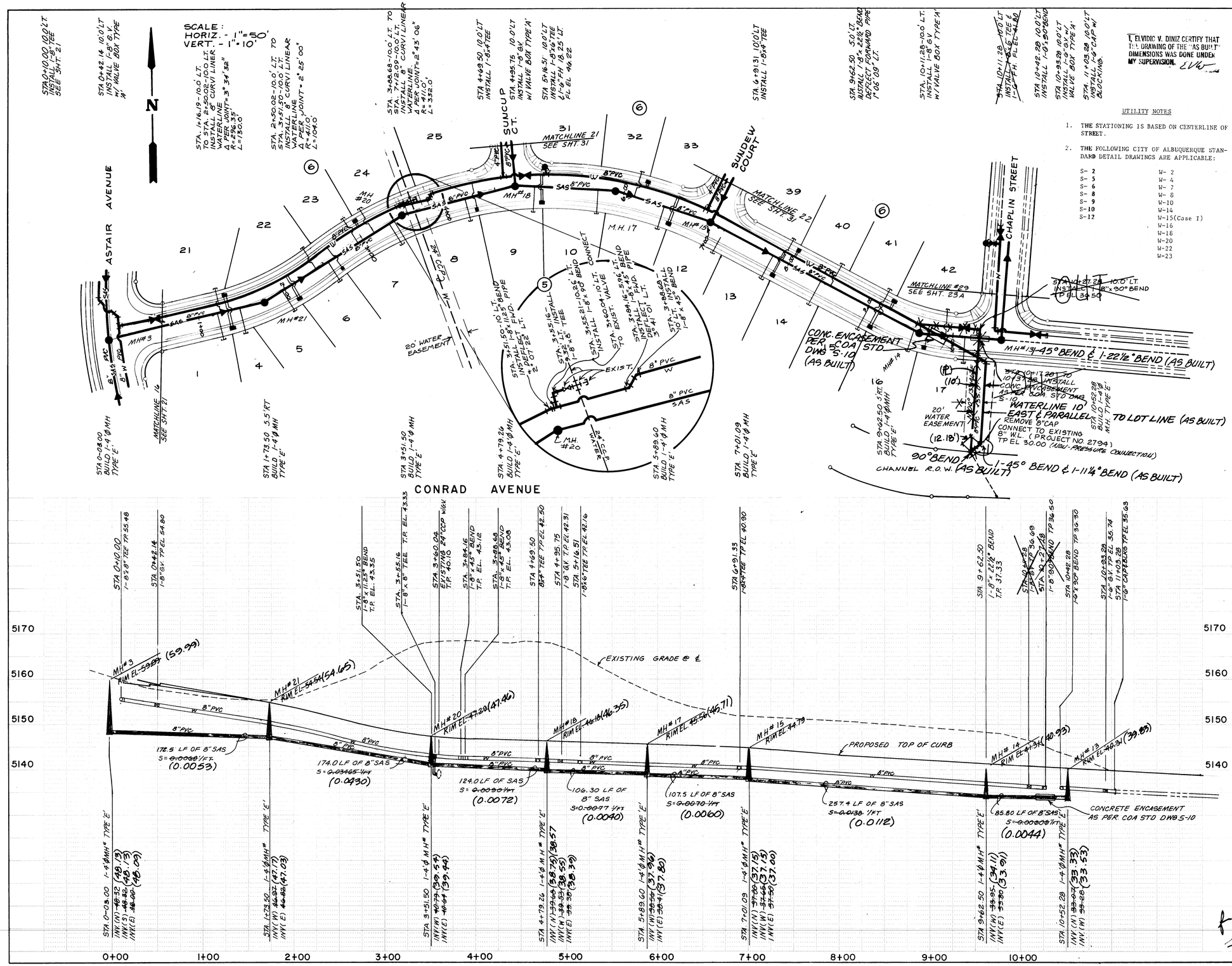
DESIGNED BY B.T. DATE 6/86
DRAWN BY M.S. DATE 6/86
CHECKED BY E.D. DATE 6/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION—PHASE I
# ASTAIR AVE., AZUELO AVE. UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | [signature] | 8/14/86 | Liquid Waste | [signature] | 7/29/86 |
| A.C.E.-Design | [signature] | 8/5/86 | Traffic | [signature] | 7/31/86 |
| A.C.E.-Hydrology | [signature] | " | Water | [signature] | 7/29/86 |

DRAWING NO. 2879 | MAP NO. E-10 & F-10 | SHEET 22 OF 36




SERVICE LINE LOCATIONS

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 1 & 4 | ~~1+26.22~~ | SAS | 52.16 |
| | 1+35.47 | WATER | ----- |
| 1+55.56 | ~~1+46.13~~ | SAS | 51.48 |
| 5 & 6 | ~~2+11.40~~ | SAS | 49.14 |
| | 2+20.72 | WATER | ----- |
| | 2+69.60 | SAS | 46.37 |
| 7 | ~~3+57.07~~ | | |
| | ~~3+80.26~~ | WATER | ----- |
| | 3+57.07 | SAS | 42.97 |
| 8 | 4+32.57 | SAS | 42.44 |
| | 4+43.23 | WATER | ----- |
| 9 & 10 | 5+08.07 | SAS | 42.01 |
| | 5+18.73 | WATER | ----- |
| | 5+83.57 | SAS | 41.59 |
| 11 & 12 | 6+59.09 | SAS | 41.17 |
| | 6+69.75 | WATER | ----- |
| | 7+32.81 | SAS | 40.27 |
| 13 & 14 | 7+96.47 | SAS | 39.19 |
| | 8+06.47 | WATER | ----- |
| | 8+60.15 | SAS | 38.11 |
| 15 & 16 | 9+23.99 | SAS | 37.13 |
| | 9+31.99 | WATER | ----- |
| | 9+65.38 | SAS | 36.61 |
| 17 | ~~9+87.94~~ | | |
| | ~~10+22.27~~ | SAS | 36.07 |
| | 9+71.50 | WATER | ----- |
| 21 & 22 | 1+17.98 | SAS | 52.66 |
| | 1+28.86 | WATER | ----- |
| | 2+54.35 | SAS | 46.98 |
| 23 & 24 | 3+02.79 | SAS | 44.76 |
| | 3+12.21 | WATER | ----- |
| | 3+21.63 | SAS | 44.09 |
| 32 | ~~6+09.24~~ | | |
| | ~~6+03.79~~ | SAS | 41.48 |
| 32 & 33 | 6+18.02 | WATER | ----- |
| 39 & 40 | 7+88.78 | SAS | 39.32 |
| | 7+98.78 | WATER | ----- |
| 8+48.78 | ~~8+53.78~~ | SAS | 38.22 |
| 41 & 42 | ~~9+08.80~~ | | |
| | ~~9+17.73~~ | SAS | 37.22 |
| ~~9+18.88~~ | ~~9+28.95~~ | WATER | ----- |
| ~~9+94.62~~ | ~~9+98.61~~ | SAS | 36.30 |

I, ELVIDIO V. DINIZ CERTIFY THAT THIS DRAWING OF THE "AS BUILT" DIMENSIONS WAS DONE UNDER MY SUPERVISION. EVD

UTILITY NOTES

1. THE STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| S- 2 | W- 2 |
| S- 5 | W- 4 |
| S- 6 | W- 7 |
| S- 8 | W- 8 |
| S- 9 | W-10 |
| S-10 | W-14 |
| S-12 | W-15(Case I) |
| | W-16 |
| | W-18 |
| | W-20 |
| | W-22 |
| | W-23 |

## LEGEND

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTION
WATER LINE
GATE VALVE
FIRE HYDRANT
REDUCER
TEE
BENDS
WATER SERVICE CONNECTION
CAPS & PLUGS
CROSS
SIDEWALK
STANDARD CURB & GUTTER
MOUNTABLE CURB & GUTTER
RESIDENTIAL PAVING
VALLEY GUTTER (CONC.)
CROWN TRANSITION AREA
WHEELCHAIR RAMP (CASE II)
BARRICADE (TYPE III)

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 8 7 9 2 3 8 7

AS BUILT INFORMATION

| | DATE |
|---|---|
| CONTRACTOR | |
| WORK STAKED BY | |
| INSPECTOR'S ACCEPTANCE BY | |
| FIELD VERIFICATION BY | |
| ROAD N.W. AND FLOR DEL SOL | |
| DRAWINGS CORRECTED BY | |
| PLACE N.W. MICRO-FILM INFORMATION | |
| RECORDED BY | |

BENCH MARKS

CONTROL: BENCH MARK A.C.S. "16-E10"

A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO

M.S.L. ELEVATION=.5134.777'

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

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

REVISIONS

DESIGNED BY B.T. DATE 6/86
DRAWN BY M.S. DATE 6/86
CHECKED BY E.D. DATE 6/86

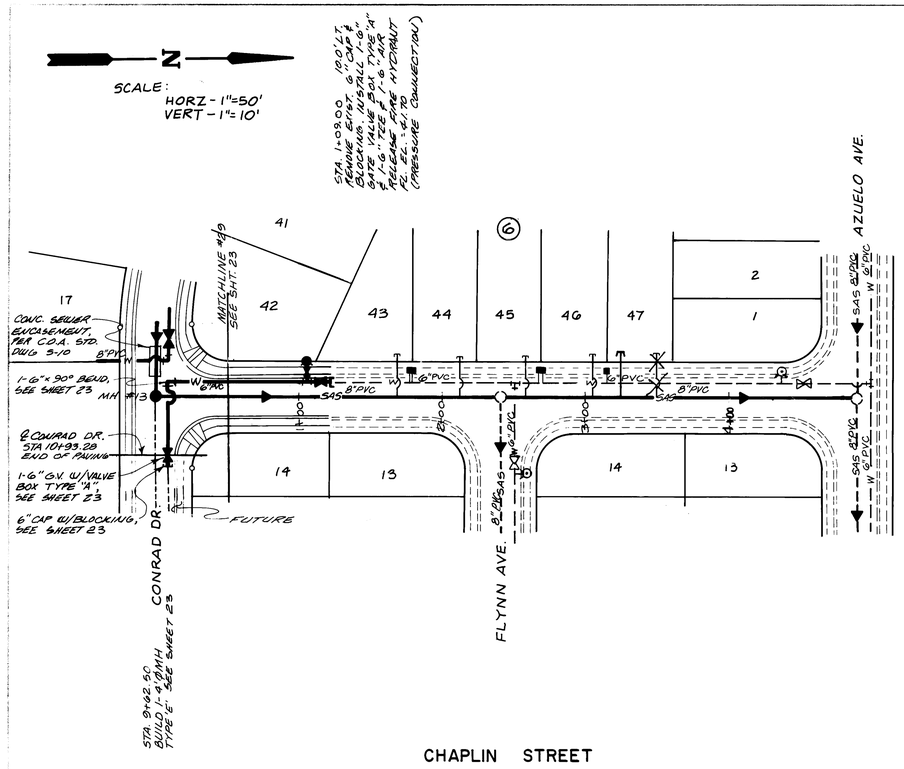
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION PHASE #1

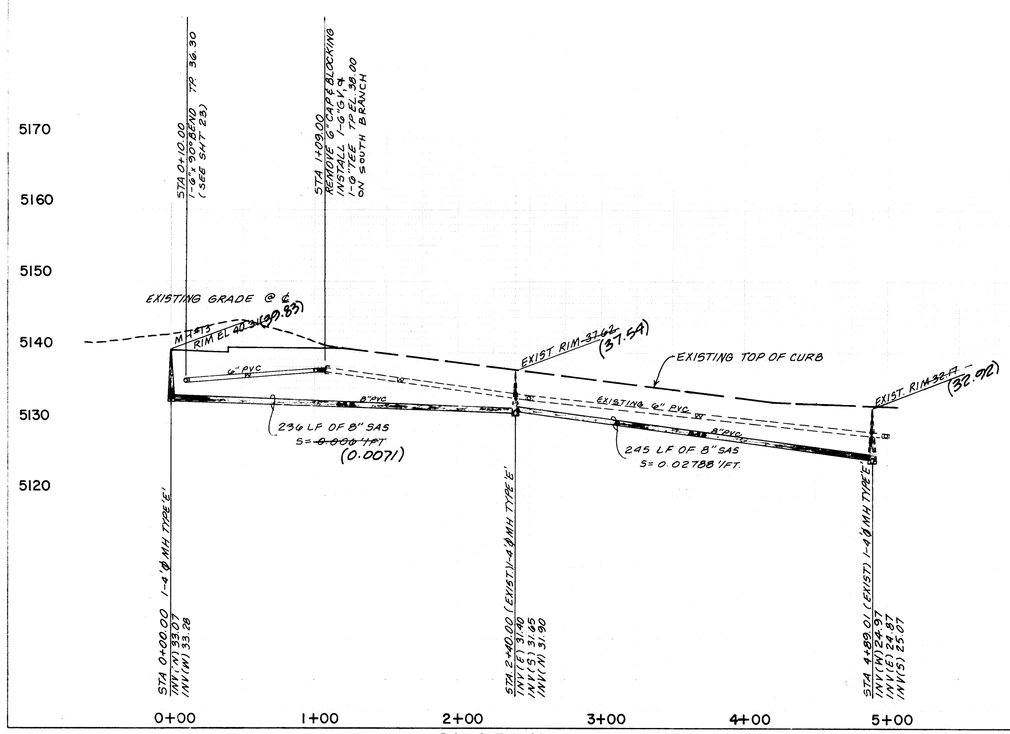
# CONRAD AVENUE UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | | 7/29/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | | 7/31/86 |
| A.C.E.-Hydrology | | | Water | | 7/29/86 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | E-10 & F-10 | 23 | 36 |




CHAPLIN STREET




CHAPLIN STREET

SERVICE LINE LOCATIONS
BLOCK NO. 6

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 43 & 44 | 1+60.00 ~~1+68.87~~ | SAS | 35.57 |
| 1+70.00 | ~~1+78.87~~ | WATER | ----- |
| 1+35.00 | ~~2+13.81~~ | SAS | 34.48 |
| 45 & 46 | 2+60.00 ~~2+58.33~~ | SAS | 33.60 |
| 2+60.00 | ~~2+68.33~~ | WATER | ----- |
| 2+95.00 | ~~3+65.24~~ | SAS | 32.47 |
| 47 | 3+05.00 ~~3+15.24~~ | WATER | ----- |
| 3+15.24 | ~~3+50.32~~ | SAS | 31.05 |

I, ELWOOD V. DINIZ CERTIFY THAT THE DRAWING OF THE "AS BUILT" DIMENSIONS WAS DONE UNDER MY SUPERVISION. EVD

UTILITY NOTES

1. THE STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| S- 2 | W- 2 |
| S- 5 | W- 4 |
| S- 6 | W- 7 |
| S- 8 | W- 8 |
| S- 9 | W-10 |
| S-10 | W-14 |
| S-12 | W-15(Case I) |
| | W-16 |
| | W-18 |
| | W-20 |
| | W-22 |
| | W-23 |

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 8 7 9 2 3 8 7 A

AS BUILT INFORMATION

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION = 5134.777'

MICROFILM INFORMATION

SURVEY INFORMATION

ENGINEER'S SEAL

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

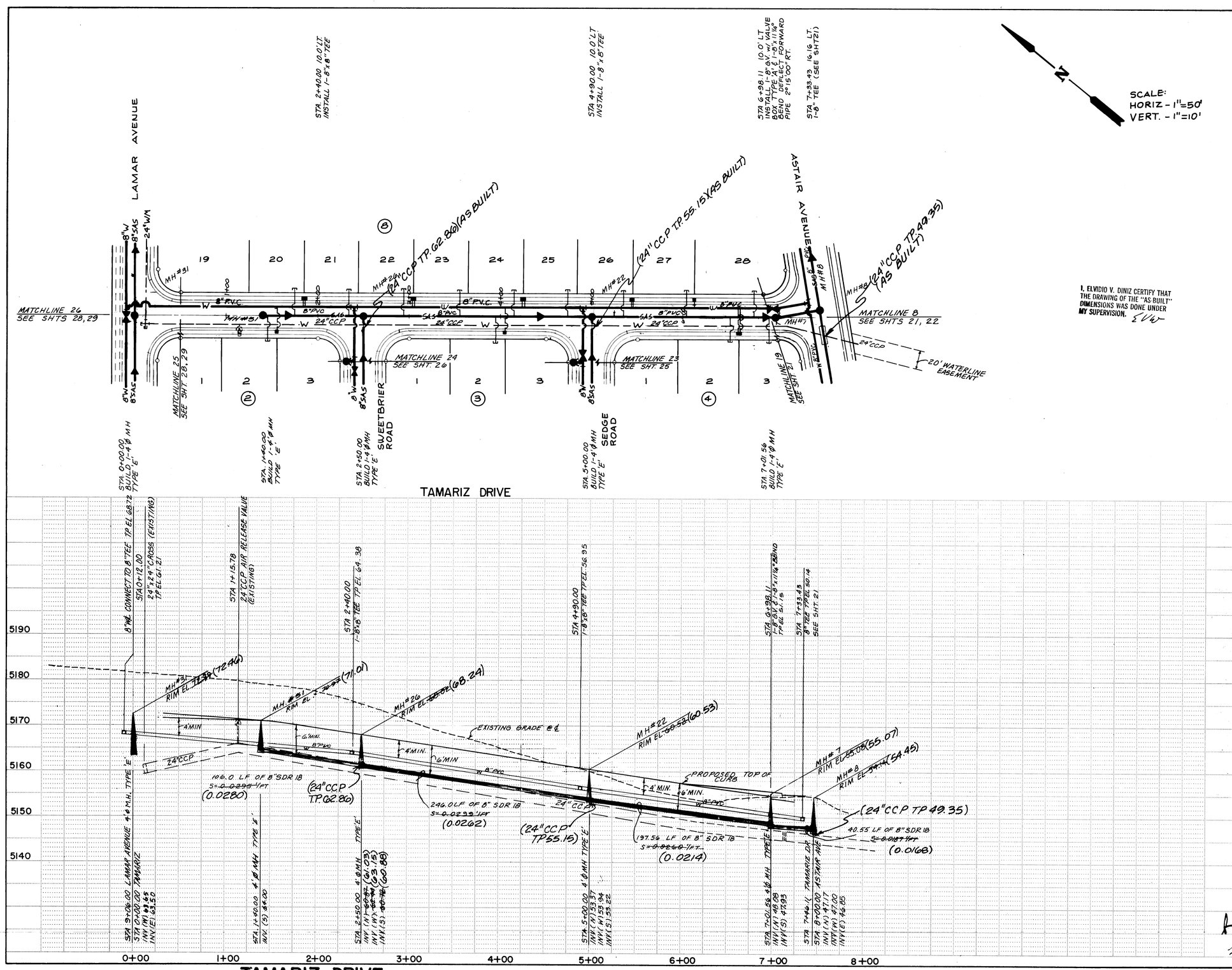
DESIGNED BY RG, BT DATE 6/86
DRAWN BY MS DATE 6/86
CHECKED BY ED DATE 6/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE RINCON SUBDIVISION – PHASE I
# CHAPLIN STREET UTILITIES PLAN AND PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | | 7/29/86 |
| A.C.E. - Design | | 8/5/86 | Traffic | | 7/31/86 |
| A.C.E. - Hydrology | | " | Water | | 7/29/86 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | E-10 F10 | 23A | 36 |




SCALE:
HORIZ - 1"=50'
VERT. - 1"=10'

SERVICE LINE LOCATIONS

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 20 & 21 | 1+75 | SAS | 66.25 |
| | 1+85 | WATER | ----- |
| | 2+35 | SAS | 64.47 |
| 22 & 23 | 2+95 | SAS | ~~62.67~~ (59.61) |
| | 3+05 | WATER | ----- |
| | 3+55 | SAS | ~~60.87~~ (58.06) |
| 24 & 25 | 4+15 | SAS | ~~59.07~~ (56.51) |
| | 4+25 | WATER | ----- |
| | 4+75 | SAS | ~~57.27~~ (54.96) |
| 26 & 27 | 5+35 | SAS | ~~55.47~~ (53.53) |
| | 5+45 | WATER | ----- |
| | 5+95 | SAS | ~~53.67~~ (52.26) |
| 28 | 6+05 | WATER | ----- |
| | 6+72.51 | SAS | ~~51.45~~ (50.63) |
| 2, BLK 2 | 1+55 | WATER | ----- |
| | 1+45 | SAS | 66.97 |
| 2, BLK 3 | 4+05 | WATER | ----- |
| | 3+95 | SAS | ~~59.67~~ (57.02) |
| 2 & 3, BLK 4 | 6+45 | SAS | 52.66 (51.21) |
| | 6+55 | WATER | ----- |
| | 6+88.35 | SAS | ~~51.76~~ (50.30) |

I, ELVIDIO V. DINIZ CERTIFY THAT THE DRAWING OF THE "AS-BUILT" DIMENSIONS WAS DONE UNDER MY SUPERVISION. EVD

UTILITY NOTES

1. THE STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| S- 2 | W- 2 |
| S- 5 | W- 4 |
| S- 6 | W- 7 |
| S- 8 | W- 8 |
| S- 9 | W-10 |
| S-10 | W-14 |
| S-12 | W-15(Case I) |
| | W-16 |
| | W-18 |
| | W-20 |
| | W-22 |
| | W-23 |

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTOR'S FIELD CHANGE BY
VERIFICATION BY
AS BUILT CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION = 5134.777'

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER

REVISIONS

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

DESIGN

DESIGNED BY B.T. DATE 6/86
DRAWN BY M.S. DATE 6/86
CHECKED BY E.D. DATE 6/86

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

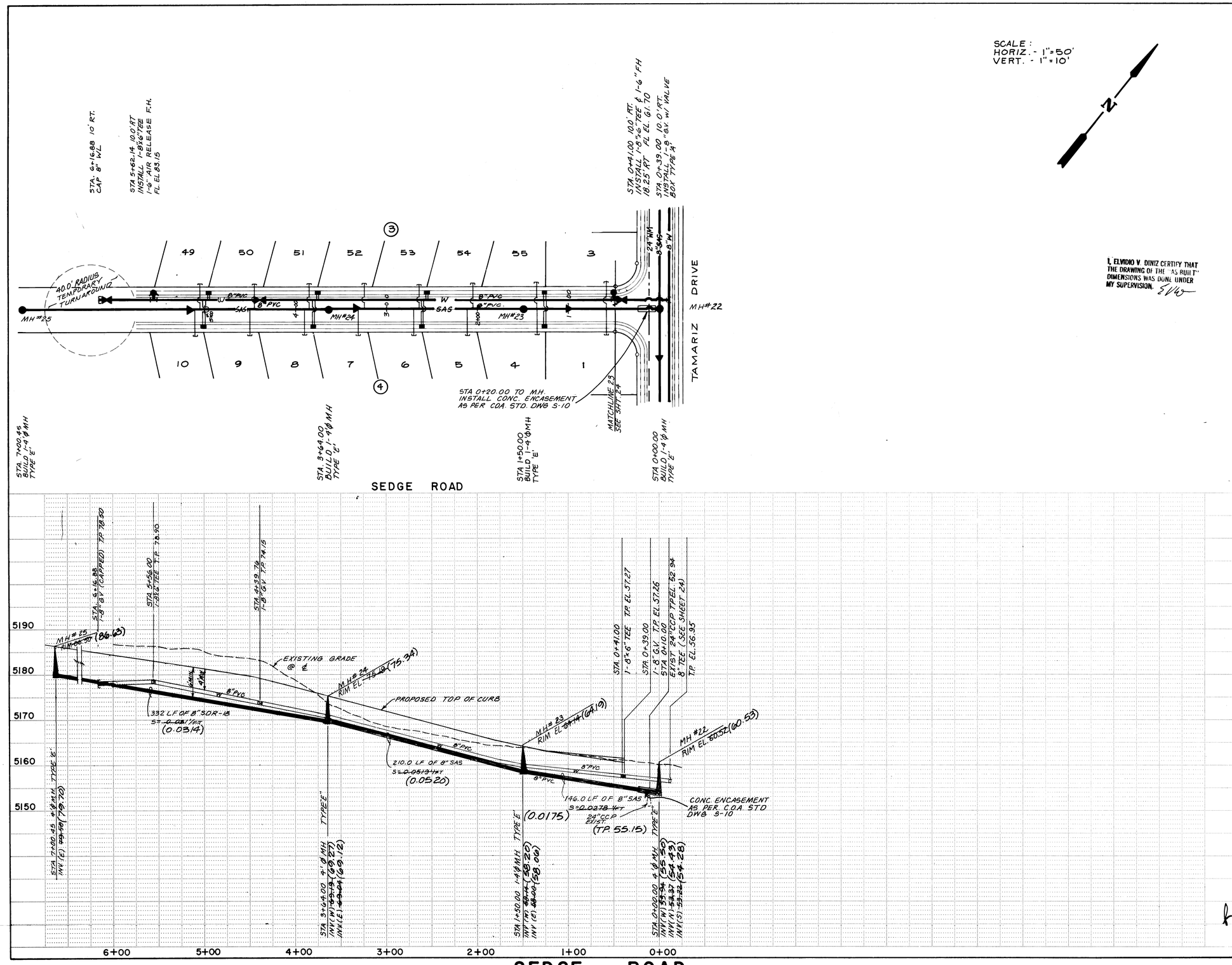
1 2 3 4 5 6 7 8 9 10 11 12
26 2879 2487

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION—PHASE I
# TAMARIZ DRIVE UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/18/86 | Liquid Waste | | 7/21/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | | 7/21/86 |
| A.C.E.-Hydrology | | | Water | | 7/21/86 |

| DRAWING NO. | MAP NO. | SHEET |
|---|---|---|
| 2879 | E-10 & F-10 | 24 OF 36 |




SCALE:
HORIZ. - 1" = 50'
VERT. - 1" = 10'

N

I, ELVIDIO V. DINIZ CERTIFY THAT THE DRAWING OF THE "AS BUILT" DIMENSIONS WAS DONE UNDER MY SUPERVISION. EVD

SERVICE LINE LOCATIONS

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 3 & 55 | 0+60 | SAS | ~~57.60~~ (56.53) |
| | 1+25 | WATER | ----- |
| | 1+35 | SAS | ~~59.56~~ (57.87) |
| 1 & 4 | 0+61 | SAS | ~~57.15~~ (56.53) |
| | 1+25 | WATER | ----- |
| | 1+36 | SAS | ~~59.54~~ (57.87) |
| 54 & 53 | 2+05.00 | SAS | 62.88 |
| | 2+56.19 | WATER | ----- |
| | 2+66.19 | SAS | 66.08 |
| 5 & 6 | 2+06.00 | SAS | 62.93 |
| | 2+56.19 | WATER | ----- |
| | 2+67.19 | SAS | 63.13 |
| 52 & 51 | 3+27.38 | SAS | 69.29 |
| | 3+78.57 | WATER | ----- |
| | 3+88.57 | SAS | 72.48 |
| 7 & 8 | 3+28.38 | SAS | 69.33 |
| | 3+78.57 | WATER | ----- |
| | 3+89.57 | SAS | 72.53 |
| 50 & 49 | 4+49.56 | SAS | 75.46 |
| | 5+00.95 | WATER | ----- |
| | 5+10.95 | SAS | 77.23 |
| 9 & 10 | 4+50.76 | SAS | 75.51 |
| | 5+00.95 | WATER | ----- |
| | 5+11.95 | SAS | 77.56 |

UTILITY NOTES

1. THE STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| S- 2 | W- 2 |
| S- 5 | W- 4 |
| S- 6 | W- 7 |
| S- 8 | W- 8 |
| S- 9 | W-10 |
| S-10 | W-14 |
| S-12 | W-15(Case I) |
| | W-16 |
| | W-18 |
| | W-20 |
| | W-22 |
| | W-23 |

## LEGEND

SANITARY SEWER LINE — SAS —
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTION
WATER LINE — W —
GATE VALVE
FIRE HYDRANT
REDUCER
TEE
BENDS
WATER SERVICE CONNECTION
CAPS & PLUGS
CROSS
SIDEWALK
STANDARD CURB & GUTTER
MOUNTABLE CURB & GUTTER
RESIDENTIAL PAVING
VALLEY GUTTER (CONC.)
CROWN TRANSITION AREA
WHEELCHAIR RAMP (CASE II)
BARRICADE (TYPE III)

1 2 3 4 5 6 7 8 9 10 11 12
2G 2879258 7

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

BENCH MARKS

CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION = 5134.777'

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

ENGINEER'S SEAL

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

REVISIONS

DESIGN

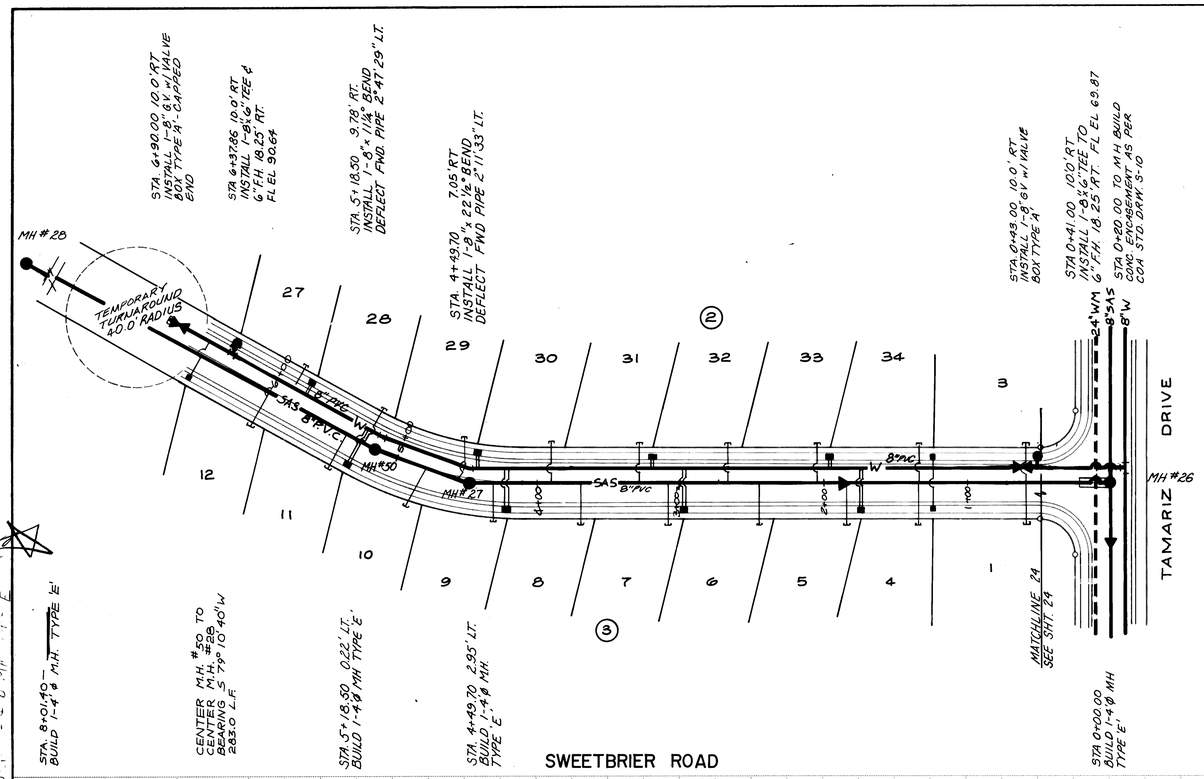
DESIGNED BY B.T. — DATE 6/86
DRAWN BY M.S. — DATE 6/86
CHECKED BY E.D. — DATE 6/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION—PHASE I
# SEDGE ROAD
# UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/19/86 | Liquid Waste | | 7/29/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | | 7/28/86 |
| A.C.E.-Hydrology | | " | Water | | 7/29/86 |

DRAWING NO. 2879 | MAP NO. E-10 & F-10 | SHEET 25 OF 36




SCALE:
HORIZ.– 1" = 50'
VERT.– 1" = 10'

I, ELVIDIO V. DINIZ CERTIFY THAT THE DRAWING OF THE "AS BUILT" DIMENSIONS WAS DONE UNDER MY SUPERVISION. EVD

SERVICE LINE LOCATIONS

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 1 & 3 | 0+65 | SAS | ~~66.23~~ (65.05) |
| | 1+25 | WATER | ----- |
| | 0+66 | SAS | ~~65.92~~ (65.09) |
| 4 & 5 | 1+35 | SAS | ~~68.71~~ (67.46) |
| | 1+75 | WATER | ----- |
| | 1+85 | SAS | ~~70.80~~ (69.17) |
| 34 & 33 | 1+36 | SAS | ~~71.29~~ (67.49) |
| | 2+00 | WATER | ----- |
| | 2+10 | SAS | ~~72.07~~ (70.03) |
| 6 & 7 | 2+46.19 | SAS | ~~73.96~~ (71.27) |
| | 2+97.38 | WATER | ----- |
| | 3+07.38 | SAS | ~~76.46~~ (73.37) |
| 32 & 31 | 2+71.19 | SAS | ~~75.12~~ (72.13) |
| | 3+17.38 | WATER | ----- |
| | 3+27.38 | SAS | ~~77.07~~ (74.05) |
| 8 & 9 | 3+68.57 | SAS | ~~78.31~~ (75.47) |
| | 4+19.09 | WATER | ----- |
| | 4+28.11 | SAS | ~~80.09~~ (77.51) |
| 30 & 29 | 3+88.57 | SAS | 78.91 |
| | 4+42.71 | WATER | ----- |
| | 4+53.80 | SAS | 80.86 |
| 10 & 11 | 5+19.47 | SAS | 82.83 |
| | 5+28.49 | WATER | ----- |
| | 5+38.49 | SAS | 83.40 |
| 28 & 27 | 5+21.70 | SAS | 82.90 |
| | 5+74.97 | WATER | ----- |
| | 5+79.97 | SAS | 84.65 |
| 12 | 5+96.50 | SAS | 85.15 |
| | 5+54.39 | WATER | ----- |

UTILITY NOTES

1. THE STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| S- 2 | W- 2 |
| S- 5 | W- 4 |
| S- 6 | W- 7 |
| S- 8 | W- 8 |
| S- 9 | W-10 |
| S-10 | W-14 |
| S-12 | W-15(Case I) |
| | W-16 |
| | W-18 |
| | W-20 |
| | W-22 |
| | W-23 |

## LEGEND

SANITARY SEWER LINE — SAS
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTION
WATER LINE — W
GATE VALVE
FIRE HYDRANT
REDUCER
TEE
BENDS
WATER SERVICE CONNECTION
CAPS & PLUGS
CROSS
SIDEWALK
STANDARD CURB & GUTTER
MOUNTABLE CURB & GUTTER
RESIDENTIAL PAVING
VALLEY GUTTER (CONC.)
CROWN TRANSITION AREA
WHEELCHAIR RAMP (CASE II)
BARRICADE (TYPE III)

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 8 7 9 2 6 8 7

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTORS
FIELD CHANGES BY — DATE
FIELD VERIFICATION BY — DATE
CORRECTIONS BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE
CURB AT THE N.E. CURB RETURN
AT THE INTERSECTION OF ATRISCO
ROAD N.W. AND FLOR DEL SOL
PLACE N.W.
M.S.L. ELEVATION = 5134.777'

ENGINEER'S SEAL

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

DESIGN
DESIGNED BY B.T. — DATE 6/86
DRAWN BY M.S. — DATE 6/86
CHECKED BY E.D. — DATE 6/86

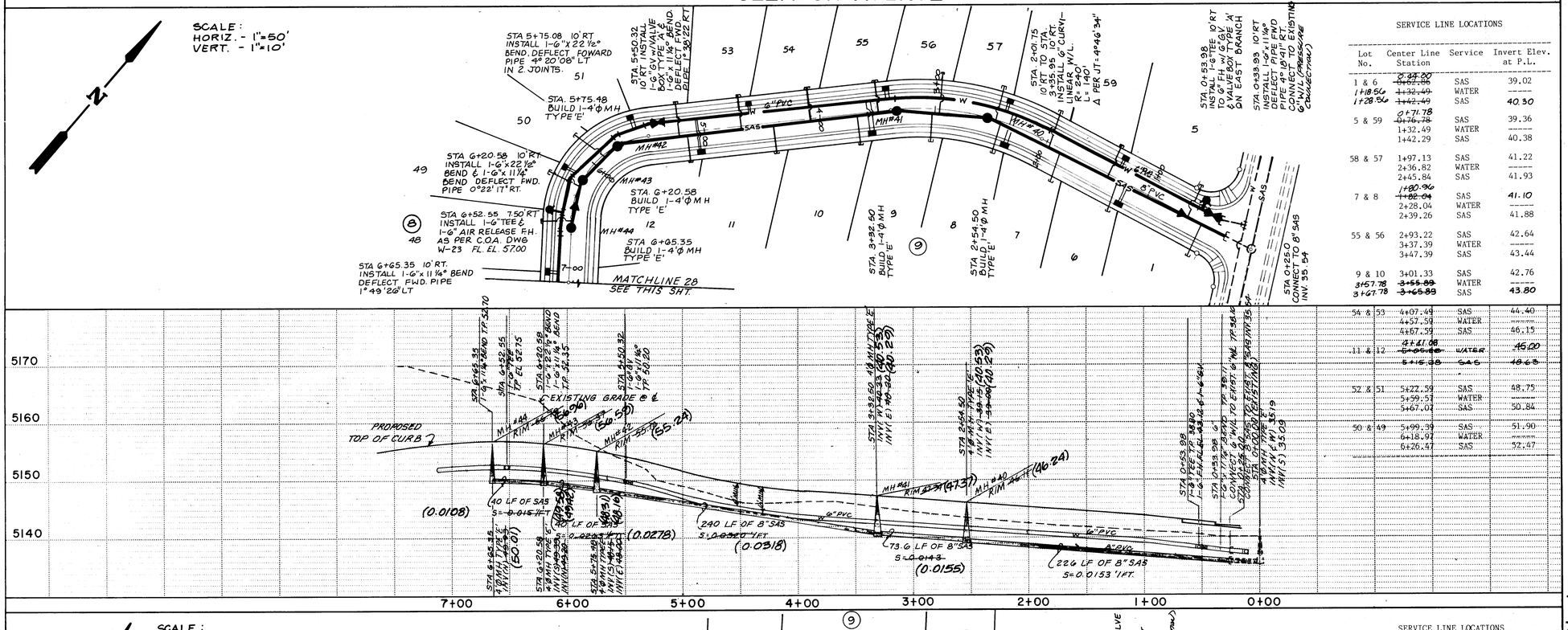
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION PHASE I
SWEETBRIER ROAD
UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/4/86 | Liquid Waste | | 7/29/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | | 7/31/86 |
| A.C.E.-Hydrology | | " | Water | | 7/29/86 |

DRAWING NO. 2879 | MAP NO. E-10 & F-10 | SHEET 26 OF 36

# GLEASON AVENUE




SERVICE LINE LOCATIONS

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 1 & 6 | ~~0.44.20~~ | SAS | 39.02 |
| | ~~0+62.86~~ | WATER | ------ |
| | 1+18.56 ~~1+32.49~~ | SAS | 40.50 |
| | 1+28.56 ~~1+42.49~~ | | |
| 5 & 59 | 0+71.78 ~~0+76.78~~ | SAS | 39.36 |
| | 1+32.49 | WATER | ------ |
| | 1+42.29 | SAS | 40.38 |
| 58 & 57 | 1+97.13 | SAS | 41.22 |
| | 2+36.82 | WATER | ------ |
| | 2+45.84 | SAS | 41.93 |
| 7 & 8 | 1+80.96 ~~1+82.04~~ | SAS | 41.10 |
| | 2+28.04 | WATER | ------ |
| | 2+39.26 | SAS | 41.88 |
| 55 & 56 | 2+93.22 | SAS | 42.64 |
| | 3+37.39 | WATER | ------ |
| | 3+47.39 | SAS | 43.44 |
| 9 & 10 | 3+01.33 | SAS | 42.76 |
| | 3+57.78 ~~3+55.88~~ | WATER | ------ |
| | 3+67.78 ~~3+65.88~~ | SAS | 43.80 |
| 54 & 53 | 4+07.49 | SAS | 44.40 |
| | 4+57.59 | WATER | ------ |
| | 4+67.59 | SAS | 46.15 |
| 11 & 12 | 4+61.08 ~~5+06.68~~ | WATER | 46.00 |
| | 5+15.68 | SAS | 48.68 |
| 52 & 51 | 5+22.59 | SAS | 48.75 |
| | 5+59.57 | WATER | ------ |
| | 5+67.02 | SAS | 50.84 |
| 50 & 49 | 5+99.99 | SAS | 51.90 |
| | 6+18.97 | WATER | ------ |
| | 6+26.47 | SAS | 52.47 |

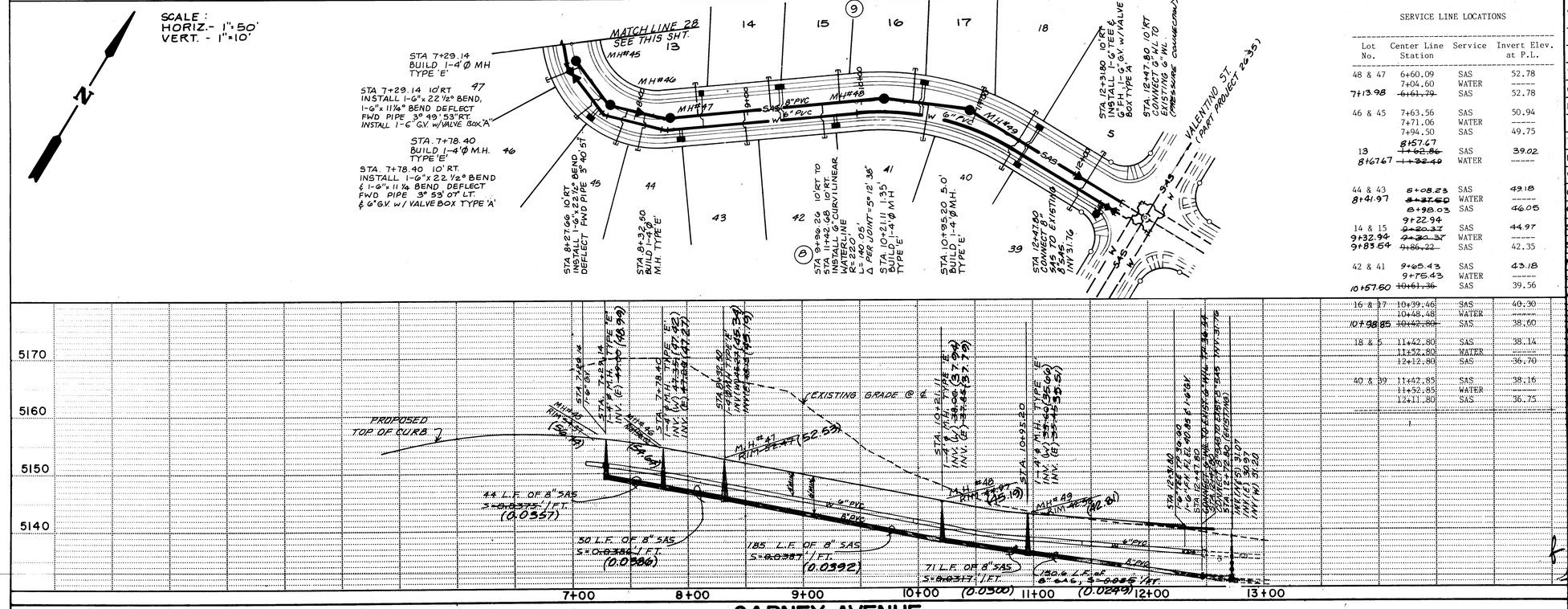
UTILITY NOTES

1. THE STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| S- 2 | W- 2 |
| S- 5 | W- 4 |
| S- 6 | W- 7 |
| S- 8 | W- 8 |
| S- 9 | W-10 |
| S-10 | W-14 |
| S-12 | W-15(Case I) |
| | W-16 |
| | W-18 |
| | W-20 |
| | W-22 |
| | W-23 |

I, ELVIDIO V. DIAZ CERTIFY THAT THE DRAWING OF THE "AS BUILT" DIMENSIONS WAS DONE UNDER MY SUPERVISION.

# CARNEY AVENUE




SERVICE LINE LOCATIONS

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 48 & 47 | 6+60.09 | SAS | 52.78 |
| | 7+04.60 | WATER | ------ |
| | 7+13.98 ~~6+61.79~~ | SAS | 52.78 |
| 46 & 45 | 7+63.56 | SAS | 50.94 |
| | 7+71.06 | WATER | ------ |
| | 7+94.50 | SAS | 49.75 |
| 13 | 8+57.67 ~~1+62.86~~ | SAS | 39.02 |
| | 8+67.67 ~~1+32.49~~ | WATER | ------ |
| 44 & 43 | 8+08.23 | SAS | 49.18 |
| | ~~8+37.60~~ | WATER | ------ |
| | 8+41.97 8+98.03 | SAS | 46.05 |
| | 9+22.94 | | |
| 14 & 15 | ~~9+30.31~~ | SAS | 44.97 |
| | 9+32.94 ~~9+30.37~~ | WATER | ------ |
| | 9+83.64 ~~9+86.22~~ | SAS | 42.35 |
| 42 & 41 | 9+65.43 | SAS | 43.18 |
| | 9+75.43 | WATER | ------ |
| | 10+57.60 ~~10+61.36~~ | SAS | 39.56 |
| 16 & 17 | 10+39.46 | SAS | 40.30 |
| | 10+48.48 | WATER | ------ |
| | 10+98.85 ~~10+42.80~~ | SAS | 38.60 |
| 18 & 5 | 11+42.80 | SAS | 38.14 |
| | 11+57.80 | WATER | ------ |
| | 12+12.80 | SAS | 36.70 |
| 40 & 39 | 11+42.85 | SAS | 38.16 |
| | 11+52.85 | WATER | ------ |
| | 12+11.80 | SAS | 36.75 |

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

1 2 3 4 5 6 7 8 9 10 11 12
2G 2879278 7

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
AS BUILT BY
ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO

BENCH MARKS

CONTROL: BENCH MARK A.C.S. "IG-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION = 5134.777'

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

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

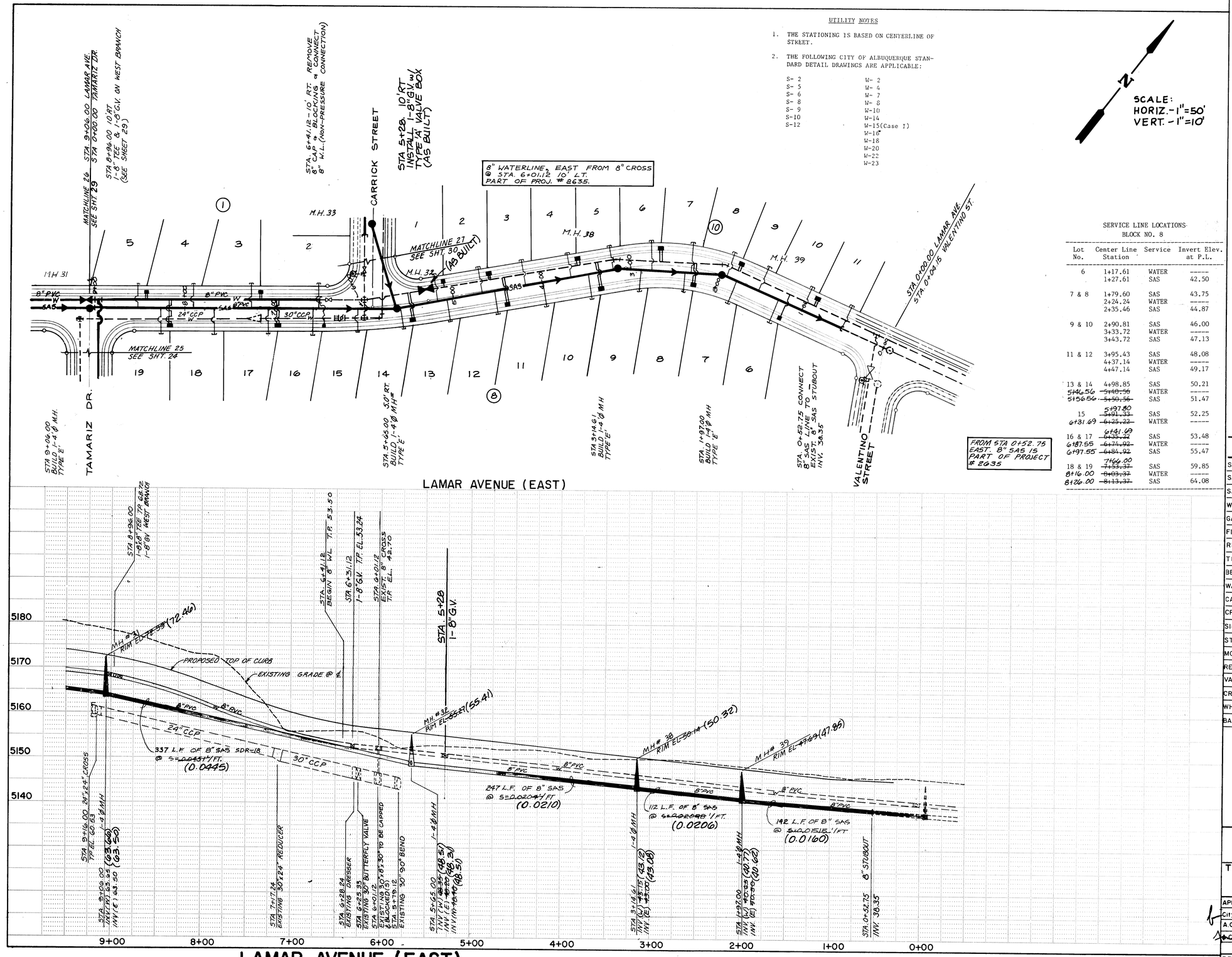
DESIGN
DESIGNED BY B.T. DATE 6/86
DRAWN BY M.S. DATE 6/86
CHECKED BY E.D. DATE 6/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION—PHASE I
GLEASON AVE., CARNEY AVE.
UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/18/86 | Liquid Waste | | 7/21/86 |
| A.C.E.- Design | | 8/5/86 | Traffic | | 7/29/86 |
| A.C.E.- Hydrology | | " | Water | | 7/29/86 |

DRAWING NO. 2879 | MAP NO. E-10 & F-10 | SHEET 27 OF 36




## UTILITY NOTES

1. THE STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| S- 2 | W- 2 |
| S- 5 | W- 4 |
| S- 6 | W- 7 |
| S- 8 | W- 8 |
| S- 9 | W-10 |
| S-10 | W-14 |
| S-12 | W-15(Case I) |
| | W-16 |
| | W-18 |
| | W-20 |
| | W-22 |
| | W-23 |

SCALE:
HORIZ.-1"=50'
VERT.-1"=10'

### SERVICE LINE LOCATIONS BLOCK NO. 10

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 11 & 10 | 0+48.72 | SAS | 41.41 |
| | 0+88.72 | WATER | ----- |
| | 0+98.72 | SAS | 42.03 |
| 9 & 8 | 1+48.72 | SAS | 42.98 |
| | 1+82.22 | WATER | ----- |
| | 1+91.24 | SAS | 43.95 |
| 7 & 6 | 2+31.83 | SAS | 44.78 |
| | 2+63.40 | WATER | ----- |
| | 2+72.42 | SAS | 45.50 |
| 5 & 4 | 3+15.46 | SAS | 46.43 |
| | 3+56.08 | WATER | ----- |
| | 3+66.08 | SAS | 47.48 |
| 3 & 2 | 4+16.70 | SAS | 48.60 |
| | 4+57.32 | WATER | ----- |
| | 4+67.32 | SAS | 49.81 |
| 1 | 5+07.94 | WATER | ----- |
| | 5+17.94 | SAS | 50.76 |

### SERVICE LINE LOCATIONS BLOCK NO. 1

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 2 & 3 | 6+35.22 | SAS | 53.48 |
| | 7+16.19 | WATER | ----- |
| | 7+26.19 | SAS | 56.50 |
| 4 & 5 | 7+97.19 | SAS | 63.09 |
| | 8+48.38 | WATER | ----- |
| | 8+58.38 | SAS | 66.83 |

### SERVICE LINE LOCATIONS BLOCK NO. 8

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 6 | 1+17.61 | WATER | ----- |
| | 1+27.61 | SAS | 42.50 |
| 7 & 8 | 1+79.60 | SAS | 43.75 |
| | 2+24.24 | WATER | ----- |
| | 2+35.46 | SAS | 44.87 |
| 9 & 10 | 2+90.81 | SAS | 46.00 |
| | 3+33.72 | WATER | ----- |
| | 3+43.72 | SAS | 47.13 |
| 11 & 12 | 3+95.43 | SAS | 48.08 |
| | 4+37.14 | WATER | ----- |
| | 4+47.14 | SAS | 49.17 |
| 13 & 14 | 4+98.85 | SAS | 50.21 |
| 5+46.56 | ~~5+40.56~~ | WATER | ----- |
| 5+56.56 | ~~5+50.56~~ | SAS | 51.47 |
| 15 | 5+97.80 ~~5+91.33~~ | SAS | 52.25 |
| 6+31.69 | ~~6+25.22~~ | WATER | ----- |
| 16 & 17 | 6+41.69 ~~6+35.22~~ | SAS | 53.48 |
| 6+87.55 | ~~6+74.92~~ | WATER | ----- |
| 6+97.55 | ~~6+84.92~~ | SAS | 55.47 |
| 18 & 19 | 7+66.00 ~~7+53.37~~ | SAS | 59.85 |
| 8+16.00 | ~~8+03.37~~ | WATER | ----- |
| 8+26.00 | ~~8+13.37~~ | SAS | 64.08 |

I, ELVIO V. [illegible] CERTIFY THAT THE [illegible] DIMENSIONS WERE TAKEN UNDER MY SUPERVISION. [signature]

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | T T |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 8 7 9 2 8 8 7

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION = 5134.777'

AS BUILT INFORMATION

| | | DATE |
|---|---|---|
| CONTRACTOR | | |
| WORK STAKED BY | | |
| INSPECTORS ACCEPTANCE BY | | |
| FIELD VERIFICATION BY | | |
| DRAWINGS CORRECTED BY | | |

MICRO-FILM INFORMATION

| | DATE |
|---|---|
| RECORDED BY | |
| NO. | |

ENGINEER'S SEAL

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

REVISIONS

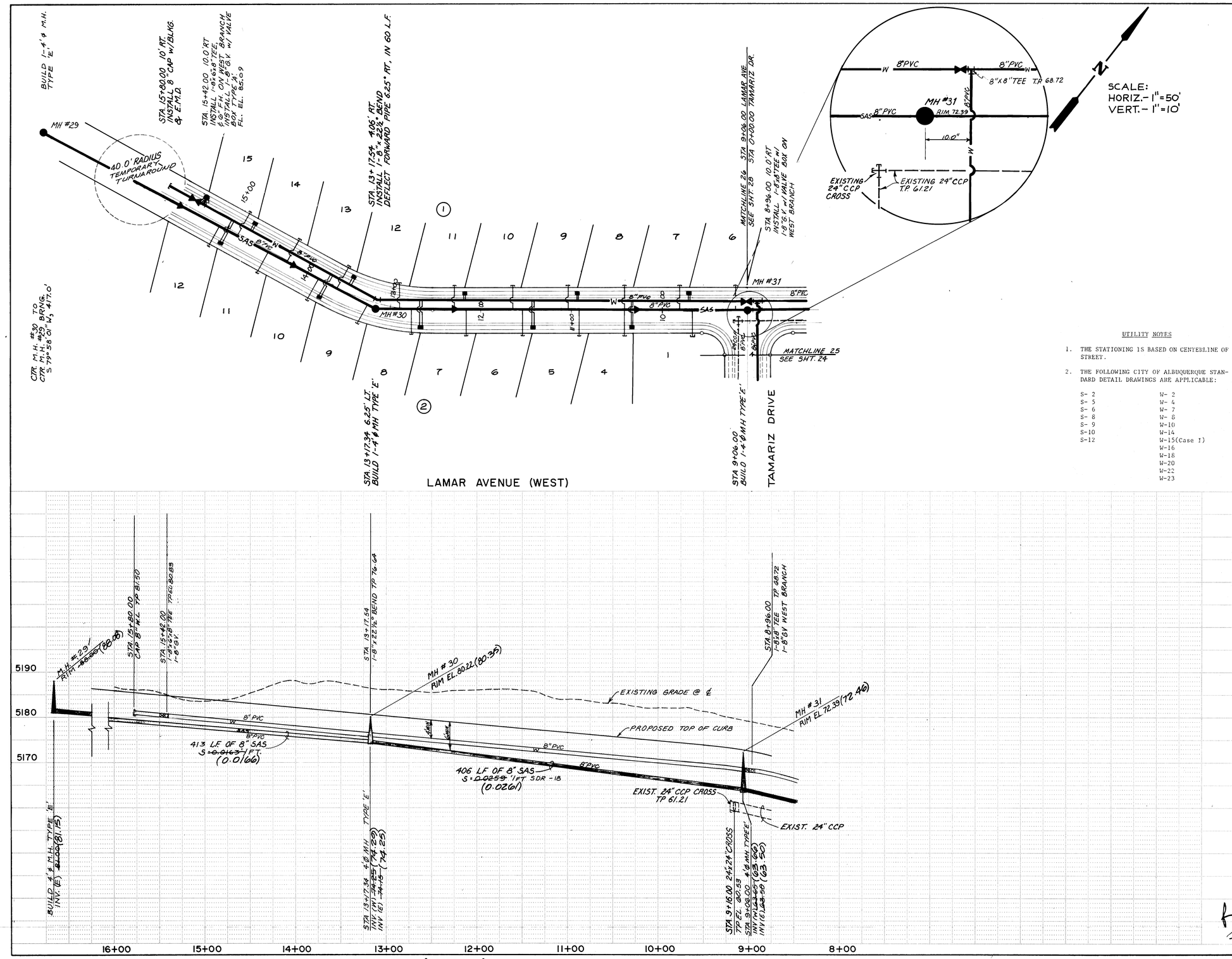
DESIGN
DESIGNED BY B.T. DATE 6/86
DRAWN BY M.S. DATE 6/86
CHECKED BY E.D. DATE 6/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVSION—PHASE I
# LAMAR AVENUE (EAST) UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | [signature] | 8/14/86 | Liquid Waste | [signature] | 7/29/86 |
| A.C.E.-Design | [signature] | 8/15/86 | Traffic | NA DOH | 7/31/86 |
| A.C.E.-Hydrology | [signature] | " | Water | [signature] | 7/29/86 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | E-10 & F-10 | 28 | 36 |




SERVICE LINE LOCATIONS
BLOCK NO. 2

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 1 & 4 | 9+71.20 ~~9+76.00~~ | SAS | 70.24 |
| | 10+31.00 | WATER | ----- |
| | 10+41.00 | SAS | 70.13 |
| 5 & 6 | 10+89.13 | SAS | 72.22 |
| | 11+40.13 | WATER | ----- |
| | 11+50.13 | SAS | 73.29 |
| 7 & 8 | 12+15.82 | SAS | 74.50 |
| | 12+65.82 | WATER | ----- |
| | 12+75.82 | SAS | 75.65 |
| 9 + 10 | 13+23.74 | SAS | 76.51 |
| | 13+74.86 | WATER | ----- |
| | 13+84.86 | SAS | 77.60 |
| 11 & 12 | 14+44.86 | SAS | 78.71 |
| | 14+94.86 | WATER | ----- |
| | 15+04.86 | SAS | 79.78 |

SERVICE LINE LOCATIONS
BLOCK NO. 1

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 6 & 7 | 9+16.00 | SAS | 68.53 |
| | 9+69.37 | WATER | ----- |
| | 9+79.37 | SAS | 70.18 |
| 8 & 9 | 10+39.37 | SAS | 71.13 |
| | 10+89.37 | WATER | ----- |
| 10+99.37 | ~~10+89.37~~ | SAS | 72.15 |
| 10 & 11 | 11+59.37 | SAS | 73.48 |
| | 12+09.37 | WATER | ----- |
| | 12+19.37 | SAS | 74.46 |
| 12 & 13 | 13+40.43 ~~12+79.60~~ | SAS | 75.58 |
| 13+46.80 | ~~13+30.43~~ | WATER | ----- |
| 13+58.02 | ~~13+40.43~~ | SAS | 76.81 |
| 14 & 15 | 14+26.30 | SAS | 78.35 |
| 14+74.85 | ~~14+76.82~~ | WATER | ----- |
| | 14+86.82 | SAS | 79.52 |

UTILITY NOTES

1. THE STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| S- 2 | W- 2 |
| S- 5 | W- 4 |
| S- 6 | W- 7 |
| S- 8 | W- 8 |
| S- 9 | W-10 |
| S-10 | W-14 |
| S-12 | W-15(Case I) |
| | W-16 |
| | W-18 |
| | W-20 |
| | W-22 |
| | W-23 |

I, ELVIDIO V. DINIZ CERTIFY THAT THE DRAWING OF THE AS-BUILT DIMENSIONS WERE MADE UNDER MY SUPERVISION. E.V.D.

## LEGEND

| | |
|---|---|
| SANITARY SEWER LINE | SAS |
| SANITARY SEWER MANHOLE | |
| SAS SERVICE CONNECTION | |
| WATER LINE | W |
| GATE VALVE | |
| FIRE HYDRANT | |
| REDUCER | |
| TEE | |
| BENDS | |
| WATER SERVICE CONNECTION | |
| CAPS & PLUGS | |
| CROSS | |
| SIDEWALK | |
| STANDARD CURB & GUTTER | |
| MOUNTABLE CURB & GUTTER | |
| RESIDENTIAL PAVING | |
| VALLEY GUTTER (CONC.) | |
| CROWN TRANSITION AREA | |
| WHEELCHAIR RAMP (CASE II) | |
| BARRICADE (TYPE III) | |

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 8 7 9 2 9 8 7

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

AS BUILT INFORMATION

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10", A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION=.5134.777'

CONTRACTOR WORK STAKED BY — DATE
INSPECTOR'S ASSISTANCE BY — DATE
FIELD VERIFICATION BY — DATE
MARKINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

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

REVISIONS

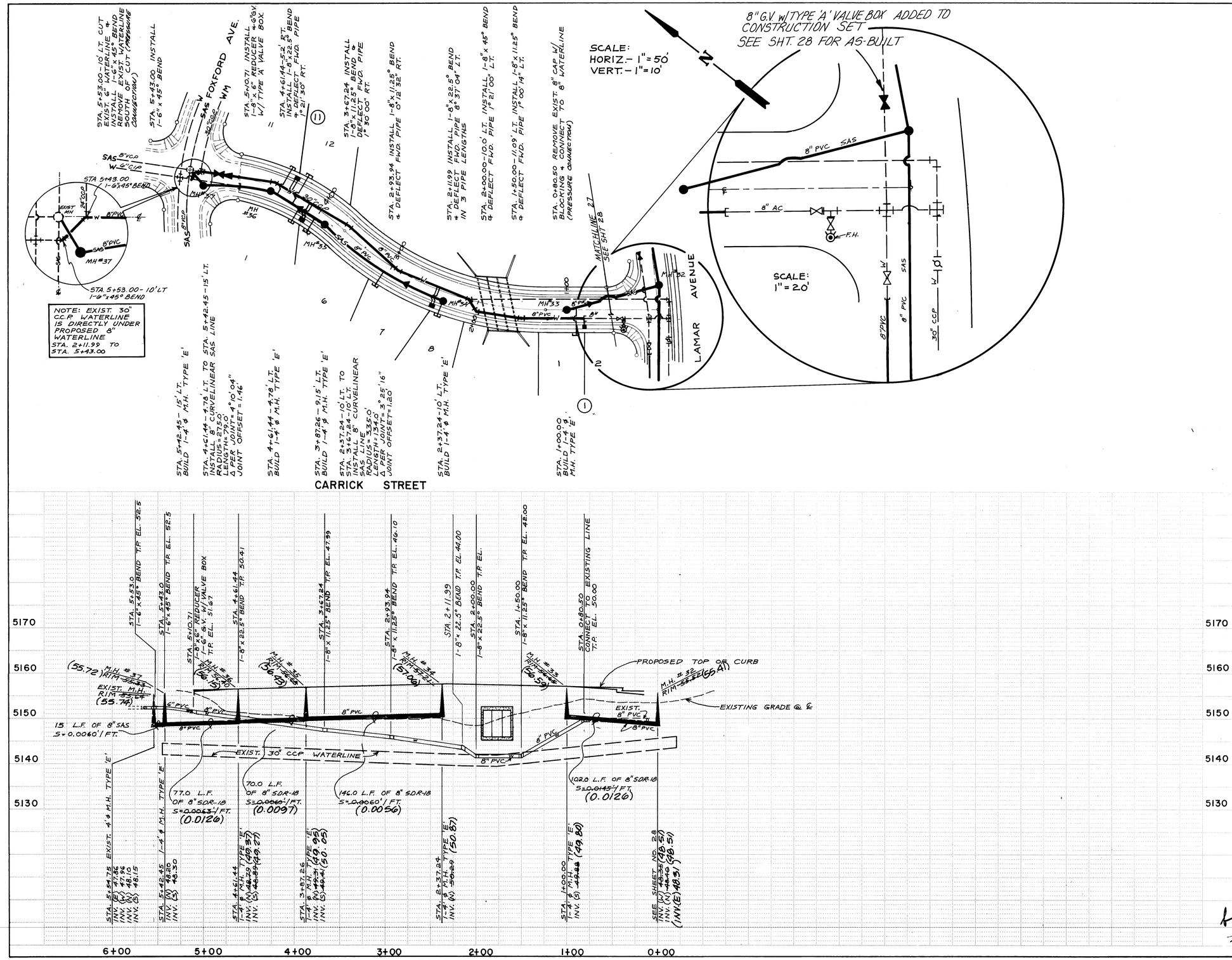
| | | DATE |
|---|---|---|
| DESIGN | B.T. | 6/86 |
| DESIGNED BY | M.S. | 6/86 |
| DRAWN BY | E.D. | 6/86 |
| CHECKED BY | | |

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION — PHASE I
# LAMAR AVENUE (WEST) UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | | 7/29/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | | 7/30/86 |
| A.C.E.-Hydrology | | " | Water | | 7/29/86 |

DRAWING NO. 2879 | MAP NO. E-10 & F-10 | SHEET 29 OF 36




SERVICE LINE LOCATIONS
BLOCK NO. 1

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 1 | 0+80.76 | WATER | ----- |
| | 0+90.76 | SAS | 53.01 |
| 8 & 7 | 2+36.79 | SAS | 53.62 |
| | 2+46.79 | WATER | ----- |
| | 3+04.12 | SAS | 53.12 |
| 6 & 1 | 4+01.04 | SAS | 52.68 |
| | 4+11.04 | WATER | ----- |
| | 4+21.04 | SAS | 52.51 |

SERVICE LINE LOCATIONS
BLOCK NO. 11

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 12 & 11 | 4+24.18 | SAS | 52.61 |
| | 4+34.18 | WATER | ----- |
| | 4+44.18 | SAS | 52.48 |

I, ELVIDIO V. DIAZ CERTIFY THAT THE DRAWING OF THE "AS BUILT" DIMENSIONS WAS DONE UNDER MY SUPERVISION. Elvi

UTILITY NOTES

1. THE STATIONING IS BASED ON CENTERLINE OF STREET.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS ARE APPLICABLE:

| | |
|---|---|
| S- 2 | W- 2 |
| S- 5 | W- 4 |
| S- 6 | W- 7 |
| S- 8 | W- 8 |
| S- 9 | W-10 |
| S-10 | W-14 |
| S-12 | W-15(Case I) |
| | W-16 |
| | W-18 |
| | W-20 |
| | W-22 |
| | W-23 |

## LEGEND

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTION
WATER LINE
GATE VALVE
FIRE HYDRANT
REDUCER
TEE
BENDS
WATER SERVICE CONNECTION
CAPS & PLUGS
CROSS
SIDEWALK
STANDARD CURB & GUTTER
MOUNTABLE CURB & GUTTER
RESIDENTIAL PAVING
VALLEY GUTTER (CONC.)
CROWN TRANSITION AREA
WHEELCHAIR RAMP (CASE II)
BARRICADE (TYPE III)

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION = 5134.777'

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
FIELD CHECKS BY
ACCEPTANCE BY
DATE
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO

ENGINEER'S SEAL

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

REVISIONS

DESIGNED BY R.G. DATE 6/86
DRAWN BY C.M. DATE 6/86
CHECKED BY E.D. DATE 6/86

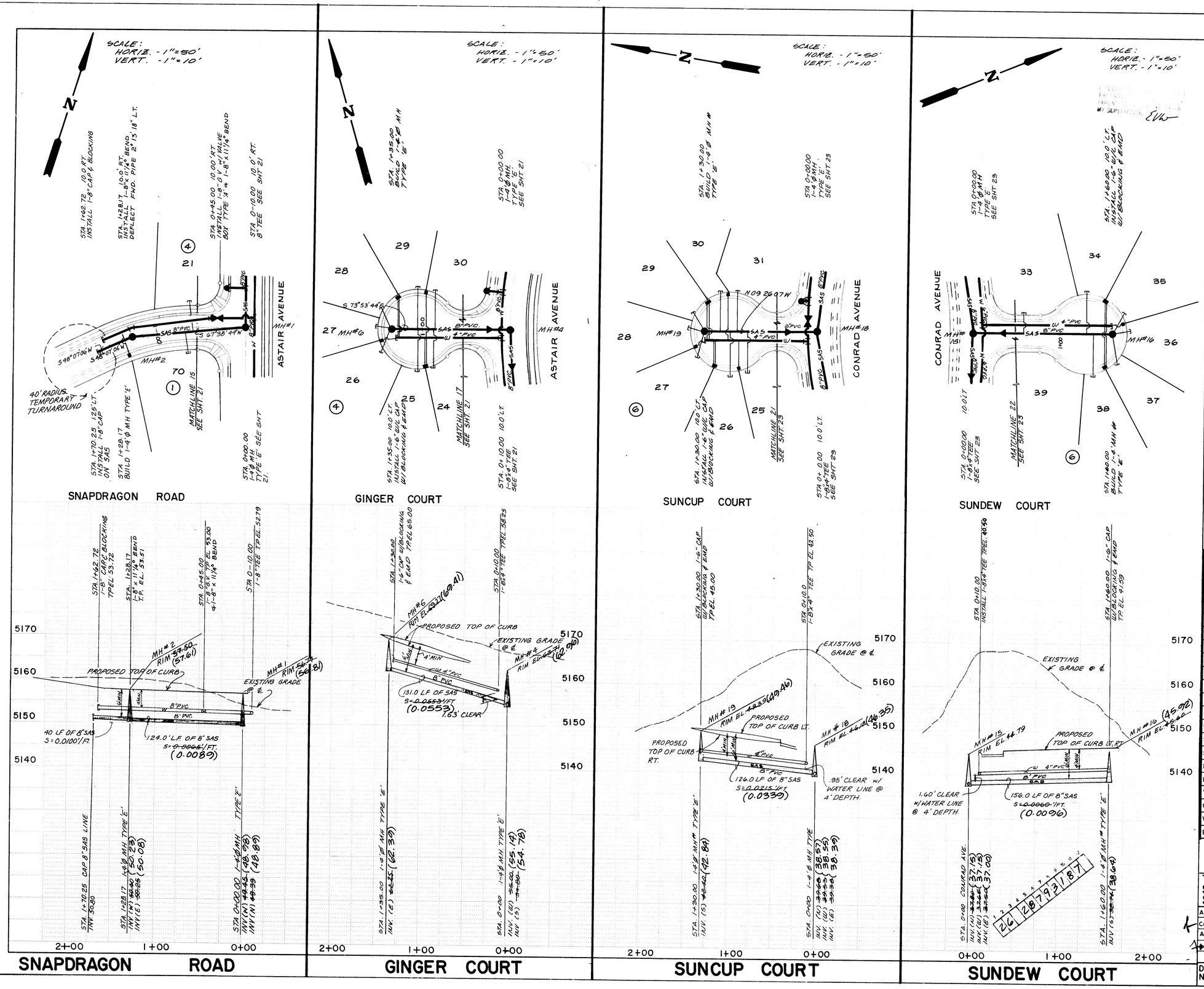
1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 8 7 9 3 0 8 7

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION-PHASE I
# CARRICK STREET UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/19/86 | Liquid Waste | | 7/29/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | | 7/31/86 |
| A.C.E.-Hydrology | | " | Water | | 7/29/86 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | E-10 & F-10 | 30 | 36 |




SERVICE LINE LOCATIONS
BLOCK NO. 4

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 21 | 0+60.00 | SAS | 53.09 |

BLOCK NO. 1

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 70 | 0+68.73 | SAS | 53.13 |

BLOCK NO. 4

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 30 | 0+85.94 | SAS | 63.80 |
| | 0+95.94 | WATER | ----- |
| 29 & 28 | 1+05.94 | SAS | 64.58 |
| | 1+26.86 | WATER | ----- |
| | 1+45.63 | SAS | 70.48 |
| 24 & 25 | 0+86.37 | SAS | 62.48 |
| | 0+96.37 | WATER | ----- |
| | 0+96.37 | SAS | 62.98 |
| 26 & 27 | 1+45.26 | SAS | 70.45 |
| | 1+47.36 | WATER | ----- |
| | 1+50.26 | SAS | 70.63 |

BLOCK NO. 6

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 31 & 30 | 0+91.06 | SAS | 44.16 |
| | 1+02.43 | WATER | ----- |
| | 1+10.03 | SAS | 44.53 |
| 29 & 28 | 1+23.11 | WATER | ----- |
| | 1+38.73 | SAS | 46.00 |
| | 1+40.00 | WATER | ----- |
| | 1+46.13 | SAS | 46.18 |
| 26 & 27 | 0+98.86 | SAS | 45.51 |
| | 1+16.53 | WATER | ----- |
| | 1+35.04 | SAS | 46.09 |
| 25 | 0+79.41 | SAS | 45.98 |
| | 0+89.41 | WATER | ----- |

BLOCK NO. 6

| Lot No. | Center Line Station | Service | Invert Elev. at P.L. |
|---|---|---|---|
| 33 & 34 | 0+58.63 | SAS | 41.78 |
| | 1+29.14 | SAS | 42.18 |
| 35 & 36 | 1+50.00 | WATER | ----- |
| | 1+72.00 | SAS | 42.23 |
| | 1+73.00 | WATER | ----- |
| | 1+76.00 | SAS | 42.36 |
| 38 & 37 | 1+37.50 | SAS | 42.09 |
| | 1+50.00 | WATER | ----- |
| | 1+65.00 | SAS | 42.29 |

## LEGEND

SANITARY SEWER LINE — SAS
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTION
WATER LINE — W
GATE VALVE
FIRE HYDRANT
REDUCER
TEE
BENDS
WATER SERVICE CONNECTION
CAPS & PLUGS
CROSS
SIDEWALK
STANDARD CURB & GUTTER
MOUNTABLE CURB & GUTTER
RESIDENTIAL PAVING
VALLEY GUTTER (CONC.)
CROWN TRANSITION AREA
WHEELCHAIR RAMP (CASE II)
BARRICADE (TYPE III)

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S FIELD TOLERANCE BY — DATE
VERIFICATION BY INSPECTOR — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS
CONTROL: BENCH MARK A.C.S. "16-E10", CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.
M.S.L. ELEVATION = 5134.777'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

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

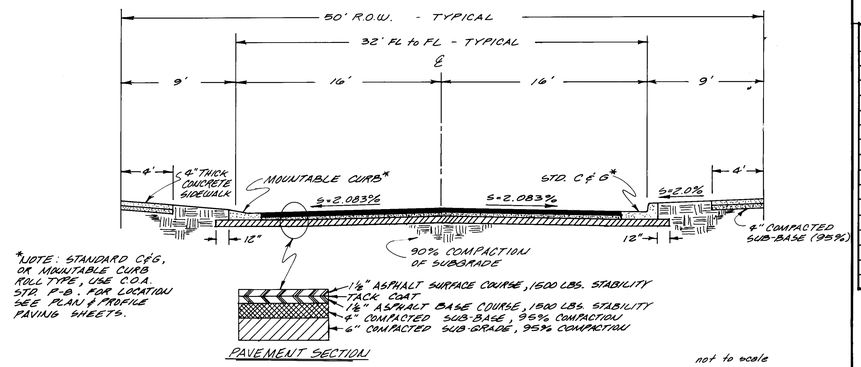
DESIGNED BY B.T. — DATE 6/86
DRAWN BY M.S. — DATE 6/86
CHECKED BY E.D. — DATE 6/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

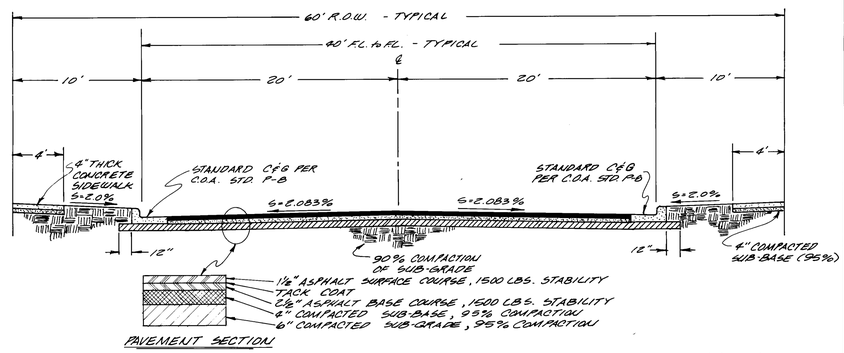
TITLE: RINCON SUBDIVISION - PHASE I
# SNAPDRAGON RD., GINGER CT., SUNCUP CT., & SUNDEW CT., UTILITIES PLAN & PROFILE

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/18/86 | Liquid Waste | | 7/29/86 |
| A.C.E.-Design | | 8/5/86 | Traffic | | 7/31/86 |
| A.C.E.-Hydrology | | " | Water | | 7/29/86 |

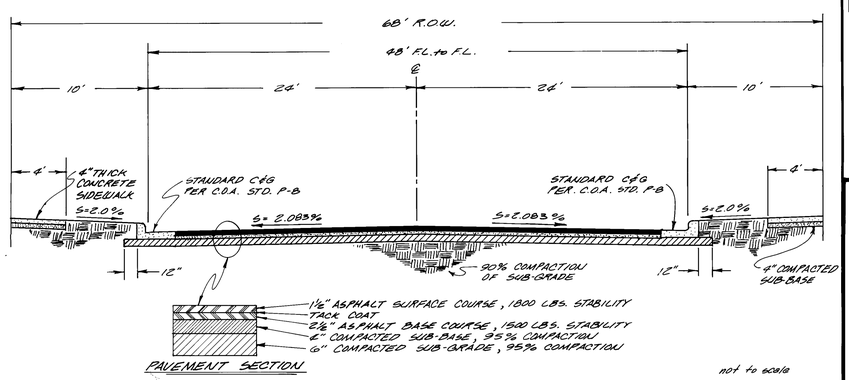
DRAWING NO. 2879 | MAP NO. E-10 & F-10 | SHEET 31 OF 36



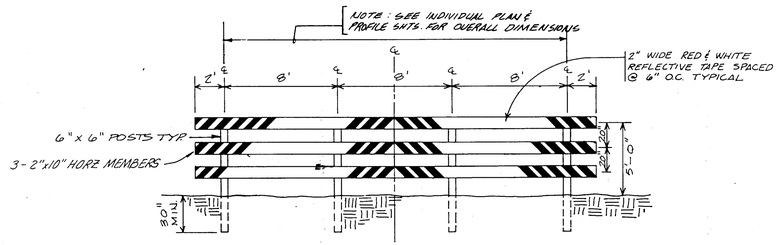

## TYPICAL RESIDENTIAL STREET SECTION




## STREET SECTION — ASTAIR AVENUE

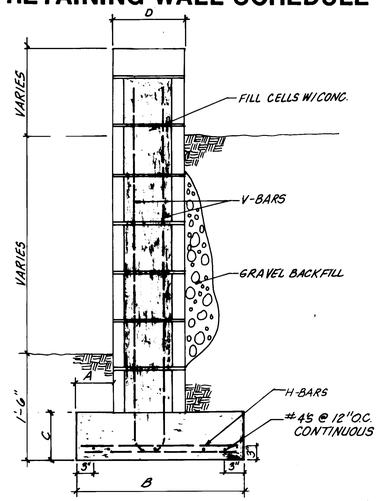



## STREET SECTION — AZUELO AVENUE

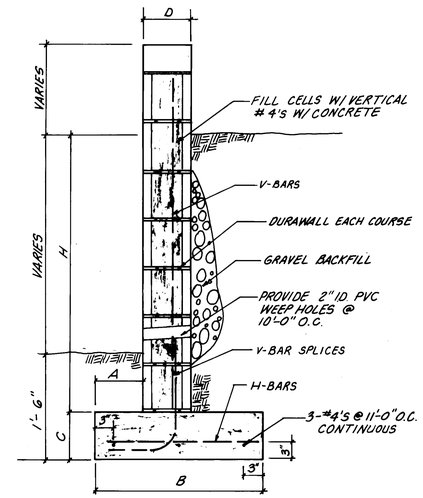



| D | H | B | C | A | V-BARS | H-BARS |
|---|---|---|---|---|---|---|
| 8" | 3'-4" | 2'-4" | 9" | 8" | @ 32" | @ 27" |
| 8" | 4'-0" | 2'-9" | 9" | 10" | @ 32" | @ 27" |
| 8" | 4'-8" | 3'-3" | 10" | 12" | @ 32" | @ 27" |
| 8" | 5'-4" | 3'-8" | 10" | 14" | @ 16" | @ 30" |
| 8" | 6'-0" | 4'-2" | 12" | 15" | @ 24" | @ 25" |
| 12" | 6'-8" | 4'-6" | 12" | 16" | @ 24" | @ 22" |
| 12" | 7'-4" | 4'-10" | 12" | 18" | @ 32" | @ 26" |
| 12" | 8'-0" | 5'-4" | 12" | 20" | @ 24" | @ 21" |
| 12" | 8'-8" | 5'-10" | 14" | 22" | @ 16" | @ 26" |
| 12" | 9'-4" | 6'-4" | 14" | 24" | @ 8" | @ 21" |

## RETAINING WALL SCHEDULE

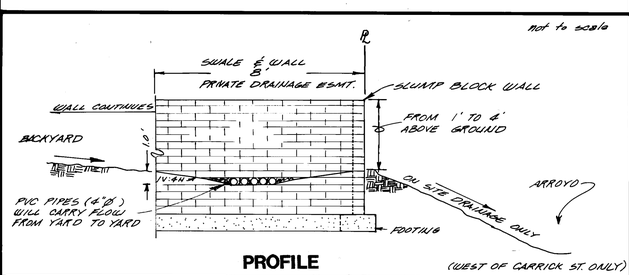


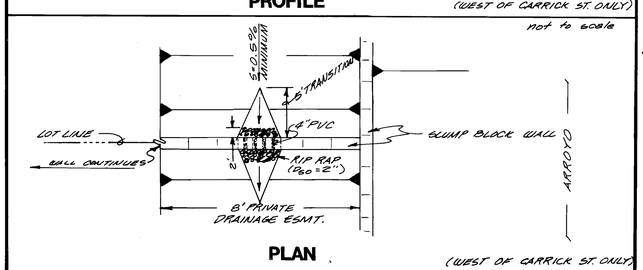

## RETAINING WALL AT PILASTER DETAIL NOT IN WORK ORDER




GENERAL NOTE: PILASTERS W/2-#4's VERTICALLY AND CORED W/ CONCRETE TO BE PROVIDED AT 20'-0" O.C.

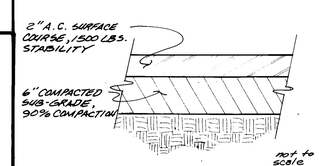
## TYP. RETAINING WALL DETAIL NOT IN WORK ORDER

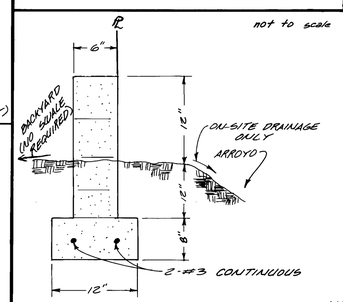



## SWALE AND SLUMP BLOCK WALL

### TEMPORARY TURNAROUND PAVING SECTION




## CONCRETE BLOCK WALL

NOTE: PILASTER SPACING 16' O.C. MAX. W/ 16"x16" FOOTING W/ 2-#5 VERTICAL. GROUT PILASTER CELLS SOLID.

AS BUILT INFORMATION.

CONTRACTOR _____ DATE
WORK STAKED BY
INSPECTORS ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

CONTROL: BENCH MARK A.C.S. "16-E10", A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.

M.S.L. ELEVATION = 5134.777'

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

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

REVISIONS

DESIGN

DESIGNED BY B.S. DATE 6/86
DRAWN BY C.M. DATE 6/86
CHECKED BY E.D. DATE 6/86

26 2879 3 2 8 7

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

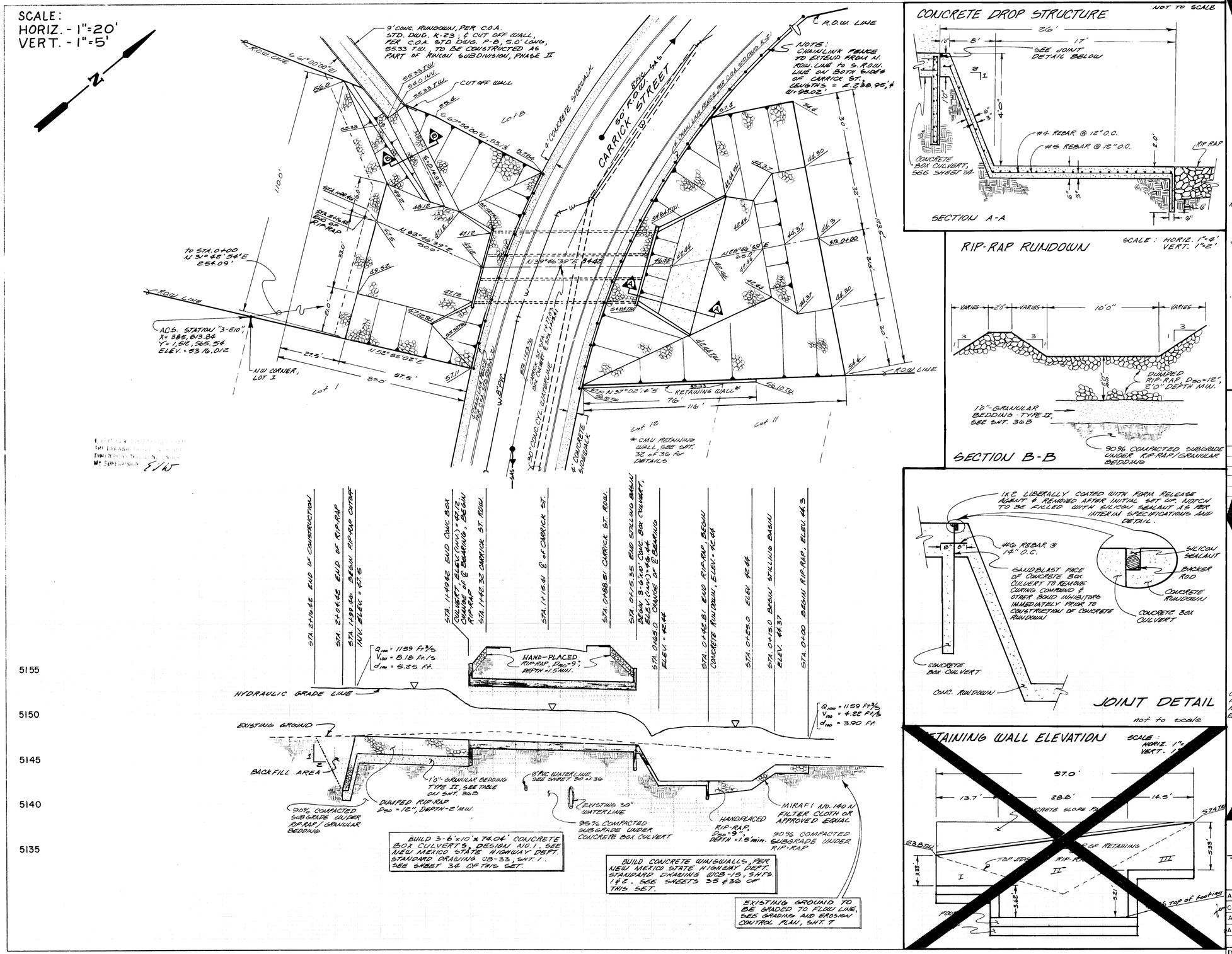
TITLE: RINCON SUBDIVISION - PHASE I

SUBDIVISION DETAILS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/19/86 | Liquid Waste | N/A | 7/29/86 |
| A.C.E.- Design | | 8/15/86 | Traffic | | 7/31/86 |
| A.C.E.- Hydrology | | " | Water | N/A | 7/29/86 |

DRAWING NO. 2879 | MAP NO. E-10 F-10 | SHEET 32 OF 36

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




SURVEY INFORMATION

| NO | DATE | FIELD NOTES | BY |
|---|---|---|---|

BENCH MARKS

CONTROL: BENCH MARK A.C.S. "16-E10"
A ☐ CHISLED ON TOP OF CONCRETE CURB AT THE N.E. CURB RETURN AT THE INTERSECTION OF ATRISCO ROAD N.W. AND FLOR DEL SOL PLACE N.W.

M.S.L. ELEVATION = 5134.777'

ENGINEER'S SEAL

| NO | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | DATE 6-86 |
| | | DESIGNED BY BS | DATE 6-86 |
| | | DRAWN BY CVM | DATE 6-86 |
| | | REVIEWED BY ED | |

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: RINCON SUBDIVISION - PHASE I

## CARRICK STREET BOX CULVERT

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/14/86 | Liquid Waste | N/A | 7/29/86 |
| A C E - Design | | 8/5/86 | Traffic | | 7/31/86 |
| A C E - Hydrology | | " | Water | N/A | 7/29/86 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2879 | | 33 | 36 |

# CARRICK STREET BOX CULVERT - PLAN & PROFILE

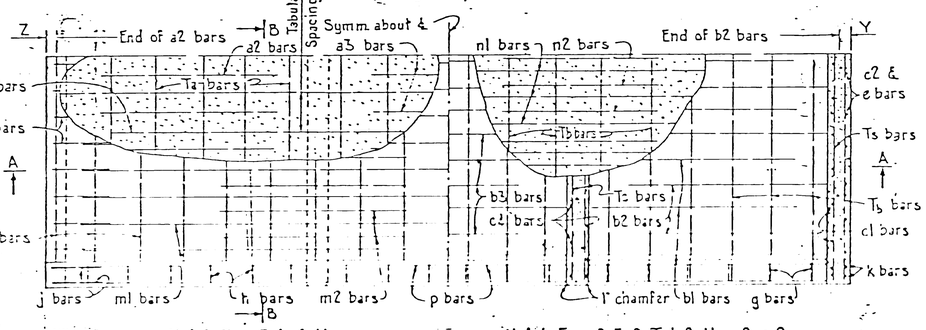
| FED. ROAD CTY. RD. | STATE | | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 9 | NEW MEXICO | | | | |

| VISIONS |
|---|
| 3-7-61 |
| 3-15-61 |
| 3-22-61 |
| 3-31-61 |
| 4-14-61 |
| 1-27-61 |
| 2-4-63 |
| 2-26-64 |
| 3-28-67 |

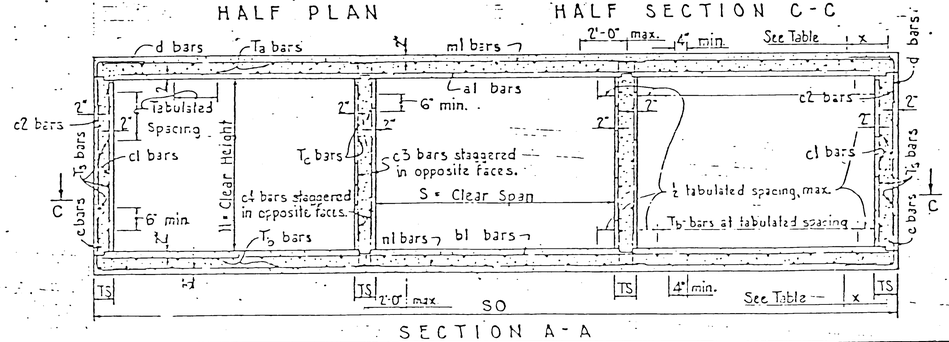
| CLEAR SPAN | CLEAR HEIGHT | DIMENSIONS TT | TS | TB | SO | HO | Y | Z | QUANTITIES Per Lin. Ft. Reinf. Steel lbs./Lin. Ft. | Concrete Cu. Yds./Lin. Ft. | At One End Reinforcing Steel - lbs. | Concrete Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 2 | 7" | 6" | 6½" | 14'-0" | 3'-1½" | — | — | 115.8 | 0.731 | 337 | 2.91 |
| | 3 | 7" | 6" | 6½" | 14'-0" | 4'-1½" | — | — | 122.5 | 0.803 | 377 | 2.93 |
| | 4 | 7" | 6" | 6½" | 14'-0" | 5'-1½" | — | — | 124.3 | 0.880 | 395 | 3.03 |
| 6 | 2 | 7½" | 6" | 7" | 20'-0" | 3'-2½" | 1'-0" | 2" | 185.4 | 1.043 | 472 | 4.10 |
| | 3 | 7½" | 6" | 7" | 20'-0" | 4'-2½" | 1'-0" | 2" | 191.0 | 1.117 | 460 | 4.17 |
| | 4 | 7½" | 6" | 7" | 20'-0" | 5'-2½" | 1'-0" | 2" | 197.6 | 1.191 | 495 | 4.25 |
| | 5 | 7½" | 6" | 7" | 20'-0" | 6'-2½" | 1'-0" | 2" | 210.4 | 1.265 | 505 | 4.32 |
| | 6 | 7½" | 6" | 7" | 20'-0" | 7'-2½" | 1'-0" | 2" | 227.9 | 1.339 | 550 | 4.40 |
| 8 | 4 | 8" | 6" | 8½" | 26'-0" | 5'-4½" | 1'-0" | 2" | 292.4 | 1.620 | 790 | 5.43 |
| | 5 | 8" | 6" | 8½" | 26'-0" | 6'-4½" | 1'-0" | 2" | 314.7 | 1.694 | 804 | 5.51 |
| | 6 | 8" | 6" | 8½" | 26'-0" | 7'-4½" | 1'-0" | 2" | 333.4 | 1.769 | 816 | 5.59 |
| | 7 | 8" | 7" | 8½" | 26'-4" | 8'-4½" | 1'-0" | 2" | 347.3 | 1.946 | 882 | 5.82 |
| | 8 | 8" | 8" | 8½" | 26'-8" | 9'-4½" | 1'-0" | 2" | 359.3 | 2.148 | 905 | 6.07 |
| 10 | 4 | 9" | 6½" | 9½" | 32'-2" | 5'-6½" | 1'-3" | 2" | 370.3 | 2.158 | 1144 | 6.68 |
| | 5 | 9" | 6½" | 9½" | 32'-2" | 6'-6½" | 1'-3" | 2" | 382.5 | 2.233 | 1157 | 6.76 |
| | 6 | 9" | 6" | 9½" | 32'-0" | 7'-6½" | 1'-3" | 2" | 385.0 | 2.272 | 1201 | 6.77 |
| | 7 | 9" | 7" | 9½" | 32'-4" | 8'-6½" | 1'-3" | 2" | 411.6 | 2.451 | 1225 | 7.00 |
| | 8 | 9" | 8" | 9½" | 32'-8" | 9'-6½" | 1'-3" | 2" | 430.0 | 2.655 | 1262 | 7.26 |
| | 9 | 9" | 8" | 10" | 32'-8" | 10'-7" | 1'-3" | 2" | 455.1 | 2.804 | 1294 | 7.37 |
| | 10 | 9" | 9" | 10" | 33'-0" | 11'-7" | 1'-3" | 2" | 466.0 | 3.043 | 1318 | 7.66 |
| | 11 | 9" | 9" | 10" | 33'-0" | 12'-7" | 1'-3" | 2" | 487.3 | 3.157 | 1333 | 7.82 |
| | 12 | 9" | 9" | 10" | 33'-0" | 13'-7" | 1'-3" | 2" | 516.1 | 3.268 | 1363 | 8.00 |
| 12 | 6 | 10" | 6½" | 11" | 38'-2" | 7'-9" | 2" | 2" | 480.7 | 2.955 | 1720 | 8.02 |
| | 8 | 10" | 8" | 11" | 38'-8" | 9'-9" | 2" | 2" | 524.6 | 3.296 | 1803 | 8.44 |
| | 10 | 10" | 9" | 11" | 39'-0" | 11'-9" | 2" | 2" | 574.9 | 3.639 | 1834 | 8.85 |
| | 12 | 10" | 9" | 11" | 39'-0" | 13'-9" | 2" | 2" | 609.6 | 3.861 | 1898 | 9.18 |
| 14 | 8 | 11½" | 8" | 12" | 44'-8" | 9'-11½" | 2" | 2" | 711.1 | 4.030 | 2464 | 9.63 |
| | 10 | 11½" | 9" | 12" | 45'-0" | 11'-11½" | 2" | 2" | 730.2 | 4.375 | 2519 | 10.03 |
| | 12 | 11½" | 9" | 12½" | 45'-0" | 14'-0" | 2" | 2" | 809.9 | 4.667 | 2521 | 10.37 |
| | 14 | 11½" | 10" | 12½" | 45'-4" | 16'-0" | 2" | 2" | 846.8 | 5.066 | 2646 | 10.96 |

| CLEAR SPAN | CLEAR HEIGHT | a1, a2 & a3 a1 Size | a1 Length | a2 Size | a2 Length | a3 Size | a3 Length | a3 Spacing | b1, b2 & b3 b1 Size | b1 Length | b2 Size | b2 Length | b3 Size | b3 Length | b3 Spacing | c1 Size | c1 Spacing | c2 Size | c2 Spacing | c3 & c4 c3 Size | c3 Length | c4 Size | c4 Length | c4 Spacing | m1 & m2 m1 Size | m1 Length | m2 Size | m2 Length | m2 Spacing | n1 & n2 n1 Size | n1 Length | n2 Size | n2 Length | n2 Spacing | d Size | d Length | e Size | e Length | e X | e Spacing | Ta No. | Ta Size | Ta Spacing | Tb No. | Tb Size | Tb Spacing | Tc No. | Tc Size | Tc Spacing | Ts No. | Ts Size | Ts Spacing | Ts Size | p | g, h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 2 | 5 | 15'-9" | - | none | - | none | 6" | 4 | 15'-9" | - | none | - | none | 16" | - | - | - | - | 4 | 7'-3" | 4 | 7'-3" | 12" | 4 | 12'-6" | 4 | 3'-9" | 12" | 4 | 12'-6" | 4 | 3'-3" | 16" | 5 | 3'-6" | 1'-6" | 12" | 4 | 3'-6" | 1'-6" | 12" | 13 | 4 | 16" | 13 | 4 | 13" | 6 | 4 | 18" | 6 | 4 | 16" | 5 | 9 |
| | 3 | 5 | 15'-9" | - | none | - | none | 6" | 4 | 15'-9" | - | none | - | none | 16" | - | - | - | - | 4 | 7'-9" | 4 | 7'-9" | 12" | 4 | 12'-6" | 4 | 3'-9" | 12" | 4 | 12'-6" | 4 | 3'-3" | 16" | 5 | 4'-0" | 1'-6" | 12" | 4 | 4'-0" | 1'-6" | 12" | 13 | 4 | 16" | 13 | 4 | 13" | 6 | 4 | 18" | 6 | 4 | 15" | 5 | 9 |
| | 4 | 5 | 15'-9" | - | none | - | none | 6" | 4 | 15'-9" | - | none | - | none | 16" | - | - | - | - | 4 | 8'-3" | 4 | 8'-3" | 13" | 4 | 12'-6" | 4 | 3'-9" | 13" | 4 | 12'-6" | 4 | 3'-3" | 16" | 5 | 4'-6" | 1'-6" | 13" | 4 | 4'-6" | 1'-6" | 13" | 13 | 4 | 16" | 13 | 4 | 13" | 10 | 4 | 18" | 6 | 4 | 18" | 5 | 9 |
| 6 | 2 | 5 | 18'-6" | 6 | 5'-9" | 5 | 5'-0" | 12" | 4 | 19'-9" | 4 | 5'-0" | - | none | 14" | none | none | none | 4 | 2'-3" | 2'-3" | 9 | 4 | 15'-6" | 6 | 5'-0" | 18" | 4 | 15'-6" | 6 | 7'-0" | 12" | 6 | 3'-9" | 1'-6" | 15" | 5 | 5'-6" | 1'-6" | 15" | 31 | 4 | 16" | 23 | 4 | 15" | 8 | 4 | 18 | 8 | 4 | 18" | 5 | 12 |
| | 3 | 5 | 18'-6" | 6 | 5'-9" | 5 | 5'-0" | 12" | 4 | 19'-9" | 4 | 5'-0" | - | none | 14" | none | none | none | 4 | 2'-9" | 2'-9" | 9 | 4 | 15'-6" | 6 | 5'-0" | 18" | 4 | 15'-6" | 6 | 7'-0" | 12" | 5 | 4'-3" | 1'-6" | 12" | 4 | 4'-0" | 1'-6" | 12" | 31 | 4 | 16" | 23 | 4 | 15" | 8 | 4 | 18 | 8 | 4 | 15" | 5 | 12 |
| | 4 | 5 | 15'-6" | 6 | 5'-9" | 5 | 5'-0" | 12" | 4 | 19'-9" | 4 | 5'-6" | - | none | 15" | none | none | none | 4 | 3'-3" | 3'-3" | 9 | 4 | 18'-6" | 6 | 5'-0" | 18" | 4 | 15'-6" | 6 | 7'-0" | 12" | 6 | 5'-0" | 1'-6" | 15" | 5 | 4'-3" | 1'-6" | 18" | 31 | 4 | 16" | 23 | 4 | 15" | 10 | 4 | 18 | 8 | 4 | 18" | 5 | 12 |
| | 5 | 5 | 18'-6" | 6 | 5'-9" | 5 | 5'-6" | 12" | 4 | 19'-9" | 4 | 5'-6" | - | none | 15" | none | none | none | 4 | 3'-3" | 3'-3" | 9 | 4 | 18'-6" | 6 | 5'-0" | 18" | 4 | 15'-6" | 6 | 7'-0" | 15" | 6 | 5'-6" | 1'-6" | 15" | 5 | 4'-6" | 1'-6" | 15" | 31 | 4 | 16" | 23 | 4 | 15" | 14 | 4 | 18" | 8 | 4 | 15" | 5 | 12 |
| | 6 | 5 | 18'-6" | 6 | 5'-9" | 5 | 5'-9" | 12" | 4 | 19'-9" | 4 | 5'-9" | - | none | 12" | none | none | none | 4 | 3'-3" | 3'-3" | 9 | 4 | 15'-6" | 6 | 5'-6" | 18" | 4 | 15'-6" | 6 | 7'-3" | 12" | 7 | 6'-3" | 1'-6" | 15" | 6 | 5'-0" | 1'-6" | 18" | 31 | 4 | 16" | 23 | 4 | 15" | 16 | 4 | 18" | 10 | 4 | 15" | 5 | 12 |
| 8 | 4 | 5 | 25'-9" | 7 | 7'-9" | 6 | 6'-3" | 12" | 4 | 25'-9" | 4 | 6'-6" | - | none | 11" | none | none | none | 4 | 3'-3" | 3'-0" | 10" | 4 | 24'-0" | 6 | 8'-3" | 12" | 4 | 24'-0" | 6 | 8'-0" | 11" | 6 | 4'-3" | 1'-6" | 11" | 5 | 5'-3" | 1'-6" | 11" | 43 | 4 | 14" | 34 | 4 | 16" | 13 | 4 | 15" | 6 | 4 | 15" | 6 | 15 |
| | 5 | 5 | 25'-9" | 7 | 7'-9" | 6 | 6'-3" | 12" | 4 | 25'-9" | 4 | 6'-6" | - | none | 12" | none | none | none | 5 | 3'-3" | 3'-0" | 10" | 4 | 25'-6" | 6 | 8'-3" | 12" | 4 | 25'-6" | 6 | 8'-9" | 12" | 6 | 4'-6" | 1'-6" | 10½" | 5 | 5'-0" | 1'-6" | 10½" | 43 | 4 | 14" | 34 | 4 | 16" | 14 | 4 | 15" | 6 | 4 | 15" | 6 | 18 |
| | 6 | 5 | 25'-9" | 7 | 7'-9" | 6 | 6'-3" | 11½" | 4 | 25'-9" | 4 | 6'-6" | - | none | 10" | none | none | none | 5 | 3'-3" | 3'-0" | 10" | 4 | 25'-6" | 6 | 7'-9" | 12" | 4 | 25'-6" | 6 | 7'-9" | 11" | 6 | 5'-6" | 1'-6" | 10½" | 5 | 5'-6" | 1'-6" | 10½" | 43 | 4 | 14" | 34 | 4 | 16" | 18 | 4 | 18 | 10 | 4 | 15" | 6 | 18 |
| | 7 | 5 | 26'-0" | 7 | 8'-0" | 6 | 6'-6" | 12" | 5 | 26'-0" | 4 | 6'-6" | - | none | 14" | 4 | 18" | none | 5 | 3'-3" | 3'-0" | 12" | 4 | 25'-6" | 6 | 8'-6" | 12" | 4 | 25'-6" | 7 | 8'-6" | 14" | 7 | 6'-9" | 1'-6" | 14" | 5 | 5'-6" | 1'-6" | 14" | 40 | 4 | 17" | 34 | 4 | 16" | 18 | 4 | 18" | 13 | 4 | 15" | 6 | 15 |
| | 8 | 5 | 26'-3" | 8 | 8'-0" | 7 | 6'-6" | 15" | 5 | 26'-3" | 4 | 6'-6" | - | none | 14" | 4 | 18" | 5 | 13" | 5 | 8'-3" | 3'-0" | 14" | 4 | 25'-6" | 7 | 9'-6" | 15" | 4 | 25'-6" | 7 | 9'-6" | 13" | 7 | 4'-6" | 1'-6" | 15" | 6 | 4'-3" | 1'-6" | 13" | 37 | 4 | 16" | 34 | 4 | 16" | 22 | 4 | 18" | 22 | 4 | 15" | 6 | 15 |
| 10 | 4 | 5 | 30'-0" | 7 | 9'-6" | 5 | 7'-3" | 12" | 4 | 32'-0" | 4 | 6'-9" | - | none | 9" | none | none | none | 5 | 4'-3" | 3'-0" | 10½" | 5 | 30'-0" | 6 | 7'-0" | 10½" | 5 | 30'-0" | 6 | 6'-0" | 10½" | 6 | 4'-3" | 1'-6" | 10 | 5 | 5'-3" | 1'-6" | 10" | 49 | 4 | 16" | 43 | 4 | 18" | 10 | 4 | 18" | 6 | 4 | 16" | 7 | 21 |
| | 5 | 5 | 30'-0" | 7 | 9'-6" | 5 | 7'-6" | 12" | 4 | 32'-0" | 4 | 7'-0" | - | none | 9" | none | none | none | 5 | 5'-0" | 3'-3" | 10½" | 5 | 30'-0" | 6 | 7'-0" | 10½" | 5 | 30'-0" | 6 | 6'-0" | 10½" | 6 | 4'-6" | 1'-6" | 10½" | 5 | 5'-0" | 1'-6" | 10½" | 49 | 4 | 16" | 43 | 4 | 15" | 14 | 4 | 15" | 8 | 4 | 16" | 7 | 21 |
| | 6 | 5 | 30'-0" | 7 | 9'-6" | 6 | 8'-0" | 14" | 4 | 31'-9" | 5 | 7'-6" | - | none | 9" | none | none | 5 | 5'-9" | 3'-6" | 12" | 4 | 30'-0" | 7 | 7'-6" | 12" | 4 | 30'-0" | 7 | 6'-3" | 12" | 7 | 5'-6" | 1'-6" | 12" | 6 | 6'-3" | 1'-6" | 12" | 49 | 4 | 16" | 43 | 4 | 18" | 18 | 4 | 18" | 10 | 4 | 18" | 7 | 21 |
| | 7 | 5 | 30'-0" | 7 | 9'-6" | 5 | 8'-0" | 12" | 5 | 32'-0" | 5 | 7'-0" | - | none | 14" | none | none | 5 | 7'-3" | 3'-0" | 12" | 5 | 30'-0" | 7 | 7'-3" | 12" | 5 | 30'-0" | 7 | 8'-3" | 12" | 7 | 6'-9" | 1'-9" | 12" | 6 | 6'-9" | 1'-9" | 12" | 49 | 4 | 16" | 43 | 4 | 15" | 15 | 4 | 15" | 10 | 4 | 16" | 7 | 21 |
| | 8 | 5 | 30'-3" | 6 | 9'-6" | 5 | 8'-0" | 12" | 5 | 32'-3" | 4 | 7'-0" | - | none | 12" | none | 5 | 15" | 5 | 8'-3" | 3'-0" | 12" | 5 | 29'-6" | 7 | 7'-3" | 12" | 5 | 29'-3" | 7 | 8'-3" | 12" | 7 | 6'-0" | 2'-3" | 12" | 7 | 6'-0" | 2'-3" | 15" | 49 | 4 | 16" | 43 | 4 | 18" | 22 | 4 | 15" | 12 | 4 | 17" | 7 | 21 |
| | 9 | 5 | 30'-3" | 6 | 9'-6" | 5 | 8'-0" | 12" | 5 | 32'-3" | 4 | 7'-0" | - | none | 12" | 4 | 15" | 5 | 15" | 5 | 9'-3" | 3'-0" | 12" | 5 | 29'-0" | 7 | 7'-3" | 12" | 5 | 28'-3" | 7 | 8'-6" | 12" | 7 | 6'-3" | 2'-6" | 12" | 7 | 6'-6" | 2'-9" | 15" | 49 | 4 | 16" | 43 | 4 | 15" | 24 | 4 | 15 | 24 | 4 | 16" | 7 | 21 |
| | 10 | 5 | 30'-6" | 6 | 9'-6" | 5 | 8'-0" | 12" | 5 | 32'-6" | 4 | 7'-0" | - | none | 12" | 4 | 15" | 5 | 12" | 5 | 10'-3" | 3'-0" | 15" | 5 | 28'-9" | 7 | 7'-3" | 12" | 5 | 27'-9" | 7 | 8'-6" | 12" | 7 | 6'-6" | 2'-9" | 12" | 7 | 7'-0" | 3'-3" | 12" | 49 | 4 | 16" | 43 | 4 | 15" | 26 | 4 | 15 | 26 | 4 | 16" | 7 | 21 |
| | 11 | 5 | 30'-6" | 6 | 9'-6" | 5 | 8'-0" | 12" | 5 | 32'-9" | 4 | 7'-0" | - | none | 11" | 4 | 12" | 5 | 12" | 5 | 11'-3" | 3'-0" | 15" | 5 | 28'-9" | 7 | 7'-3" | 12" | 5 | 27'-9" | 7 | 8'-9" | 12" | 7 | 6'-6" | 2'-9" | 12" | 7 | 7'-0" | 3'-3" | 12" | 49 | 4 | 16" | 43 | 4 | 15" | 30 | 4 | 15 | 30 | 4 | 18" | 7 | 21 |
| | 12 | 5 | 30'-6" | 6 | 9'-6" | 5 | 8'-0" | 11" | 5 | 32'-9" | 4 | 7'-0" | - | none | 11" | 5 | 11" | 5 | 11" | 5 | 12'-3" | 3'-0" | 11" | 4 | 28'-9" | 7 | 7'-3" | 11" | 4 | 27'-3" | 7 | 8'-9" | 11" | 7 | 6'-6" | 2'-9" | 11" | 7 | 7'-3" | 3'-6" | 11" | 49 | 4 | 16" | 43 | 4 | 15" | 32 | 4 | 15 | 32 | 4 | 18" | 7 | 21 |
| 12 | 6 | 5 | 33'-0" | 8 | 11'-9" | 7 | 10'-0" | 14" | 4 | 30'-6" | 7 | 11'-6" | 4 | 6'-0" | 14" | none | none | 5 | 6'-0" | 3'-6" | 12" | 5 | 37'-3" | 8 | 7'-6" | 12" | 4 | 37'-3" | 8 | 5'-9" | 12" | 8 | 5'-6" | 1'-6" | 15" | 7 | 6'-0" | 1'-6" | 15" | 54 | 4 | 15" | 52 | 4 | 15" | 16 | 4 | 15" | 10 | 4 | 15" | 8 | 24 |
| | 8 | 5 | 32'-6" | 8 | 13'-0" | 7 | 10'-3" | 14" | 4 | 30'-6" | 7 | 11'-6" | 4 | 6'-3" | 14" | 4 | 18" | 6 | 13" | 5 | 8'-0" | 3'-6" | 12" | 5 | 37'-3" | 8 | 7'-6" | 12" | 4 | 37'-3" | 8 | 6'-0" | 12" | 5 | 4'-9" | 1'-6" | 15" | 8 | 4'-9" | 1'-5" | 15" | 54 | 4 | 15" | 52 | 4 | 16" | 22 | 4 | 18" | 22 | 4 | 16" | 8 | 24 |
| | 10 | 5 | 32'-0" | 8 | 13'-0" | 7 | 10'-6" | 14" | 4 | 30'-9" | 7 | 11'-6" | 5 | 6'-6" | 14" | 4 | 15" | 6 | 12" | 5 | 10'-0" | 3'-6" | 12" | 5 | 37'-0" | 8 | 7'-6" | 12" | 5 | 37'-0" | 8 | 6'-0" | 12" | 6 | 5'-0" | 1'-11" | 12" | 7 | 5'-0" | 1'-11" | 12" | 64 | 4 | 15" | 52 | 4 | 16" | 26 | 4 | 18" | 26 | 4 | 16" | 8 | 24 |
| | 12 | 5 | 32'-0" | 8 | 13'-0" | 7 | 10'-6" | 14" | 4 | 30'-9" | 7 | 11'-6" | 5 | 6'-9" | 14" | 5 | 16" | 6 | 12" | 5 | 12'-0" | 3'-6" | 12" | 5 | 36'-9" | 8 | 7'-6" | 12" | 5 | 36'-9" | 8 | 6'-0" | 12" | 6 | 5'-3" | 2'-2" | 12" | 8 | 5'-3" | 2'-2" | 12" | 61 | 4 | 15" | 52 | 4 | 15" | 32 | 4 | 15" | 32 | 4 | 18" | 8 | 24 |
| 14 | 8 | 5 | 39'-6" | 8 | 14'-0" | 5 | 11'-3" | 9" | 5 | 40'-0" | 5 | 12'-0" | - | none | 9" | 4 | 15" | none | 5 | 8'-9" | 3'-6" | 15" | 6 | 40'-0" | 8 | 8'-3" | 12" | 7 | 40'-0" | 8 | 7'-3" | 12" | 8 | 5'-6" | 3'-0" | 12" | 7 | 5'-3" | 3'-3" | 12" | 79 | 4 | 15" | 64 | 4 | 16" | 22 | 4 | 15" | 22 | 4 | 15" | 9 | 30 |
| | 10 | 5 | 39'-6" | 8 | 14'-0" | 5 | 11'-3" | 9" | 5 | 40'-0" | 5 | 12'-0" | - | none | 9" | 4 | 15" | 5 | 11" | 6 | 10'-9" | 3'-6" | 11" | 5 | 40'-0" | 8 | 8'-3" | 11" | 6 | 40'-0" | 8 | 7'-3" | 11" | 8 | 6'-0" | 3'-3" | 11" | 7 | 6'-0" | 3'-3" | 11" | 79 | 4 | 15" | 64 | 4 | 16" | 26 | 4 | 15" | 26 | 4 | 15" | 9 | 30 |
| | 12 | 5 | 39'-6" | 8 | 14'-0" | 5 | 11'-3" | 9" | 5 | 40'-0" | 5 | 12'-0" | - | none | 12" | 5 | 12" | 6 | 10½" | 6 | 14'-9" | 3'-6" | 10½" | 5 | 40'-0" | 8 | 8'-3" | 10½" | 5 | 40'-0" | 8 | 7'-3" | 10½" | 8 | 7'-0" | 3'-3" | 10½" | 8 | 7'-0" | 3'-3" | 10½" | 79 | 4 | 15" | 64 | 4 | 16" | 38 | 4 | 15" | 38 | 4 | 18" | 9 | 30 |

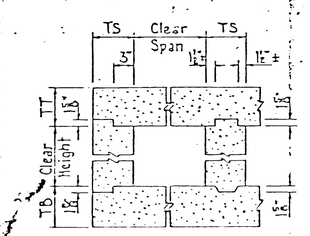
*Quantities "at one end" include parapet, cut-off and barrel beyond length "L"
Wingwall quantities are not included.



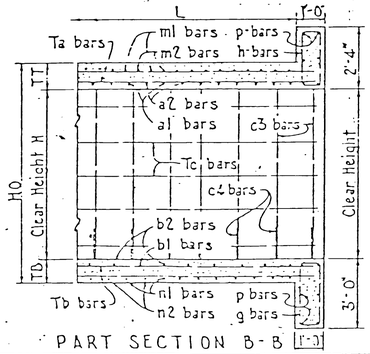

HALF PLAN — HALF SECTION C-C



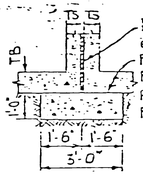

SECTION A-A




DETAIL OF CONSTRUCTION JOINTS




PART SECTION B-B

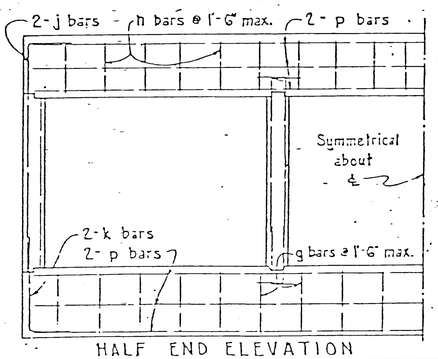



"L" Preformed bit. joint filler between adjacent units and extending between barrels, parapets and cutoffs.
Foundation block to be placed in neat excavation, extend for entire length of barrel under joint between units.
Place one layer of tar paper over entire top surface of foundation block. Conc. quant. = 0.111 cu. yds. per lin. ft. of block.

JUNCTION DETAIL FOR MULTIPLE UNIT BOXES

## DESIGN DATA

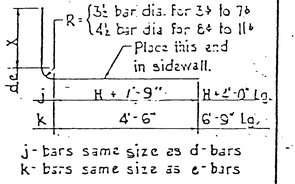
Design according to A.A.S.H.O. Specifications, 1957
Live Load: H20-S16-44 & Interstate Alternate Loading.
Weight of fill on top of box: 84#/cu. ft.
Horizontal Earth Pressure = 30#/cu. ft., 2 ft. surcharge.
Design Stresses: f'c = 3000 p.s.i., fc = 1200 p.s.i.
fs = 20000 p.s.i., n = 10.




HALF END ELEVATION

## BAR DETAILS

| | |
|---|---|
| c1, c2 | H minus 3" |
| a, b, m, n | Tabulated Length |
| p | SO minus 3" |
| T bars | L + (10½" at each end) SEE GEN. NOTE NO. 4 |




j - bars same size as d - bars
k - bars same size as e - bars

| | | |
|---|---|---|
| R = 1½" | | |
| 4# h | 2'-1½" | 6'-3" Long |
| 4# g | 2'-8½" | 7'-6" Long |

Place this end in centerwall.
R = 3 bar dia.

c3 & c4 | 2 bar dia.

NUMBER OF BARS REQUIRED
a1, a3, b1, b3, m1 & n1 : 12L ÷ Spacing.
a2, b2, c2, d, e, m2 & n2 : 24L : Spacing.
c1 : (24L ÷ Spacing) + 2 at each end.
c3 & c4 : (48L ÷ Spacing) + 4 at each end.
j, k : 4 of each (for cutoff and parapet) at each end.
p : 12 (for cutoff + parapet) at each end.
Other bars : see table.
L = Length of Barrel in feet.

## GENERAL NOTES

1. Workmanship and materials shall conform to N.M.S.H. Comm. Specifications.
2. All concrete to be Class "A". Chamfer all exposed edges ¾" except as noted.
3. All reinforcing steel to be deformed bars, intermediate grade, conforming to A.S.T.M. Specification A-15 & A-305. All dimensions refer to ℄ of bar.
4. T-bars may be spliced, when necessary, by lapping at least 20 bar diameters. Pay weight for reinforcing steel does not include splices. Cost of splice material to be included in unit price bid for reinf. steel.
5. Volume of concrete = (L) x (concrete quantity per L.F.) plus conc. at ends.
6. Weight of reinf. steel = (L) x (wt. of reinf. steel/L.F.) plus weight at ends.
7. Place Ta-bars on a-bars and Tb-bars under b-bars, spaced as shown in the table. The remaining Ta- and Tb- bars are to be placed adjacent to d-, e-, m-, and n-bars, as indicated in Section A-A, at 2'-0" max.
8. Place Ts-bars next to c1 bars, spaced as shown in the table. The remaining Ts-bars to be placed in sidewall next to c2, d- and e-bars. When c1 bars are not required place all Ts bars next to c2, d- & e-bars.
9. Place a1, a3, m1, n1, b1, b3 symm. about ℄ box, place m2, n2 symmetrical about ℄ walls.
10. "Cover" is height of fill from top of box to finished grade.

THIS SERIAL REVISED

NEW MEXICO
STATE HIGHWAY DEPARTMENT

CONCRETE BOX CULVERT BARRELS
TRIPLE OPENING ~ NORMAL
DESIGN No. 1
0 TO 5' COVER
Sheet 1 of 4
SERIAL CB-33

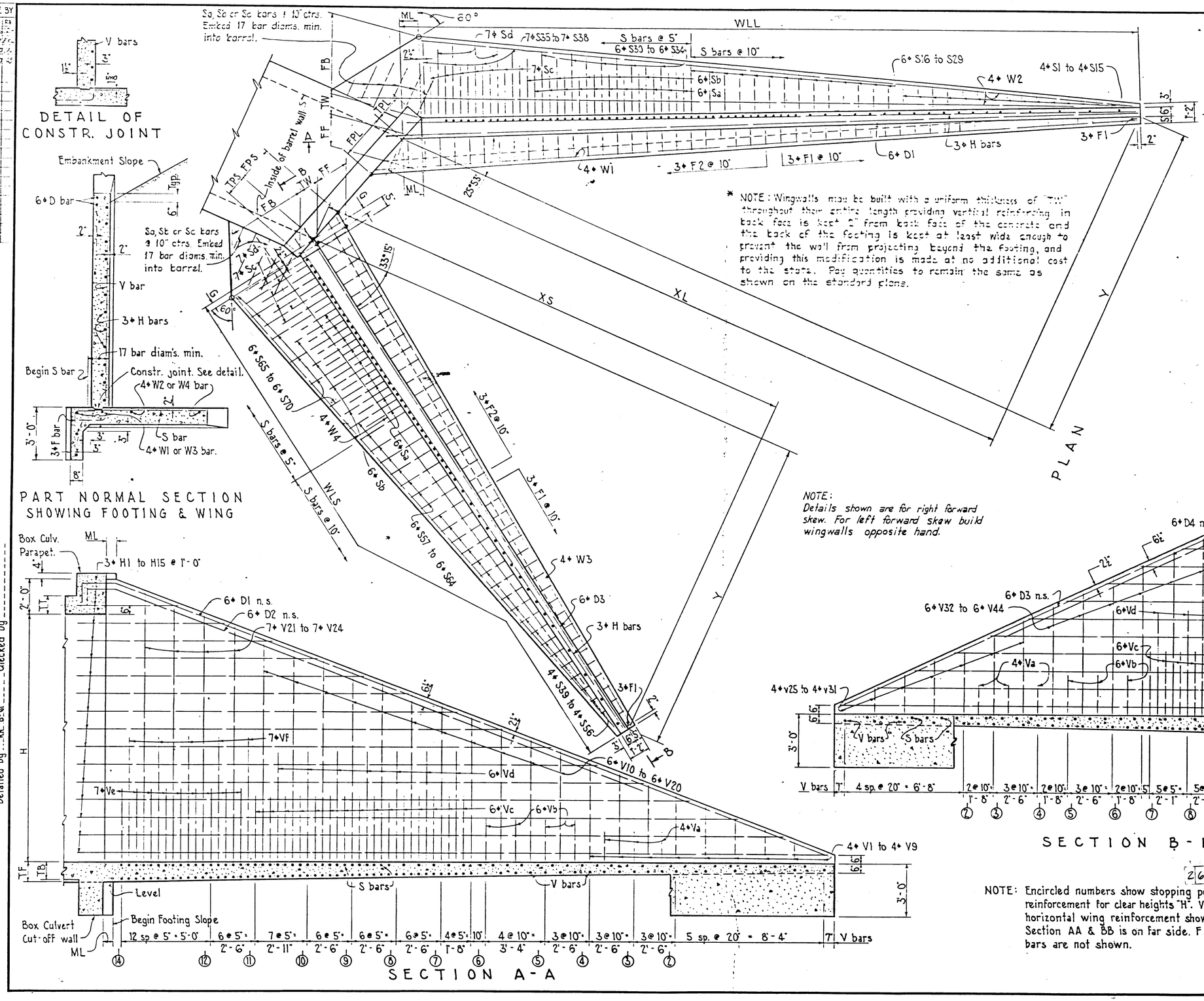
APPROVED: 3-31-67
BRIDGE ENGINEER

Designed by H.T. 1-61 Checked by W.J.C. 1-61
Detailed by B.N. 1-61 Checked by W.J.C. 1-61

DRAWING NO. 2879 SHEET 34 OF 36

| FED. ROAD DIV. NO. | STATE | | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 9 | NEW MEXICO | | | | |

| DATE | BY |
|---|---|
| 6-6-61 | RB |
| 12-22-61 | |
| 1-25-67 | |
| 2-13-67 | |
| 11-29-67 | |




* NOTE: Wingwalls may be built with a uniform thickness of "TW" throughout their entire length providing vertical reinforcing in back face is kept 2" from back face of the concrete and the back of the footing is kept at least wide enough to prevent the wall from projecting beyond the footing, and providing this modification is made at no additional cost to the state. Pay quantities to remain the same as shown on the standard plans.

NOTE: Details shown are for right forward skew. For left forward skew build wingwalls opposite hand.

NOTE: Encircled numbers show stopping points of reinforcement for clear heights "H". Vertical and horizontal wing reinforcement shown on Section AA & BB is on far side. F and W bars are not shown.

26 28 79 35 87

## WINGWALL DIMENSIONS

| H | 2' | 3' | 4' | 5' | 6' | 7' | 8' | 9' | 10' | 11' | 12' | 14' |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WLL | 9'-8½" | 12'-4" | 14'-11¾" | 17'-7½" | 20'-3¼" | 22'-11" | 25'-6¾" | 28'-2½" | 30'-10¼" | 33'-6" | 36'-1¾" | 41'-5¼" |
| XL | 8'-8⅜" | 11'-1⅝" | 13'-5¾" | 15'-10¼" | 18'-2⅞" | 20'-7⅜" | 23'-0" | 25'-4½" | 27'-9⅛" | 30'-1⅝" | 32'-6¼" | 37'-3⅜" |
| ML | 0'-5¾" | 0'-5⅝" | 0'-5⅝" | 0'-5⅝" | 0'-5⅝" | 0'-6½" | 0'-7⅜" | 0'-7⅞" | 0'-8⅝" | 0'-9½" | 0'-10⅜" | 1'-0⅛" |
| TPL | 0'-7⅛" | 0'-7⅞" | 0'-7⅞" | 0'-7⅞" | 0'-8⅝" | 0'-9⅝" | 0'-11¼" | 0'-11⅞" | 1'-1¼" | 1'-2⅝" | 1'-3⅝" | 1'-6½" |
| FPL | 1'-0⅝" | 1'-1⅞" | 1'-3¼" | 1'-4⅝" | 1'-6⅛" | 1'-8⅛" | 1'-9½" | 1'-10⅞" | 2'-1" | 2'-2⅞" | 2'-3⅝" | 2'-6⅝" |
| WLS | 7'-8⅛" | 9'-9⅞" | 11'-11⅝" | 14'-0½" | 16'-1¾" | 18'-2⅞" | 20'-4⅛" | 22'-5½" | 24'-6¾" | 26'-8⅛" | 28'-9⅜" | 33'-0" |
| XS | 6'-5⅜" | 8'-2⅝" | 9'-11¾" | 11'-8⅛" | 13'-6⅛" | 15'-3" | 17'-0¼" | 18'-9⅜" | 20'-6½" | 22'-3¾" | 24'-0⅝" | 27'-7⅛" |
| G | 0'-2" | 0'-2" | 0'-2" | 0'-2" | 0'-2⅛" | 0'-2½" | 0'-2⅝" | 0'-2⅞" | 0'-3⅛" | 0'-3⅜" | 0'-3⅝" | 0'-4⅜" |
| TPS | 0'-6⅝" | 0'-6⅝" | 0'-6⅝" | 0'-6⅝" | 0'-6⅝" | 0'-7⅛" | 0'-8⅛" | 0'-9½" | 0'-10½" | 0'-11⅝" | 1'-0⅝" | 1'-2⅝" |
| FPS | 0'-9⅛" | 0'-10⅝" | 0'-11⅞" | 1'-0⅝" | 1'-2½" | 1'-3⅞" | 1'-4⅝" | 1'-5⅞" | 1'-7⅛" | 1'-8½" | 1'-9⅞" | 1'-11⅝" |
| Y | 4'-2⅝" | 5'-4⅝" | 6'-6½" | 7'-8⅜" | 8'-10¼" | 10'-0" | 11'-1⅞" | 12'-3⅝" | 13'-5⅝" | 14'-7½" | 15'-9⅜" | 18'-1⅝" |
| FB | 1'-4½" | 1'-8½" | 2'-0½" | 2'-4½" | 2'-7½" | 2'-10½" | 3'-1½" | 3'-5" | 3'-7½" | 3'-10½" | 4'-1½" | 4'-7½" |
| * TW | 0'-6" | 0'-6" | 0'-6" | 0'-6" | 0'-6½" | 0'-7½" | 0'-8½" | 0'-9" | 0'-10" | 0'-11" | 1'-0" | 1'-2" |
| FF | 0'-9" | 0'-10" | 0'-11" | 1'-0" | 1'-1½" | 1'-2½" | 1'-3½" | 1'-4½" | 1'-6" | 1'-7" | 1'-8" | 1'-10" |
| TF | 0'-7½" | 0'-8" | 0'-8½" | 0'-9" | 0'-9½" | 0'-10" | 0'-10½" | 0'-11" | 0'-11½" | 1'-0" | 1'-0½" | 1'-1½" |

THIS SERIAL REVISED: 11-29-67

NEW MEXICO
STATE HIGHWAY DEPARTMENT

WINGWALLS
FOR 15° SKEW CONC. BOX CULVERTS

Sheet 1 of 2

SERIAL WCB-15

Designed by ____ Checked by ____
Detailed by RHL 6-61 Checked by ____

APPROVED: [redacted]

DRAWING NO. 2879 SHEET 35 OF 36

| FED. ROAD DIV. NO. | STATE | | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 9 | NEW MEXICO | | | | |

## REINFORCING STEEL REQUIREMENTS

| Clear Height of Culvert Opening | Wing Wall | $V_1$ to $V_x$ Rad. 1 of ea. | Va Nº Req'd | Vb Nº Req'd | Vc Nº Req'd | Vd Nº Req'd | Ve Nº Req'd | Vf Nº Req'd | $H_1$ to $H_x$ Rad. 1 of ea. | D1 Nº Req'd | D1 Length | D2 Nº Req'd | D2 Length | D3 Nº Req'd | D3 Length | D4 Nº Req'd | D4 Length | S1 to Sx Rad. 1 of ea. | Sa Nº Req'd | Sb Nº Req'd | Sc Nº Req'd | Sd Nº Req'd | W1 Nº Req'd | W1 Length | W2 Nº Req'd | W2 Length | W3 Nº Req'd | W3 Length | W4 Nº Req'd | W4 Length | F1 Nº Req'd | F2 Nº Req'd | Clear Height of Culvert Opening |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | L | 1 to 6 | – | – | – | – | – | – | 1 to 3 | 1 | 12'-6" | – | – | | | | | 1 to 10 | – | – | – | – | 4 | 12'-6" | 2 | 9'-0" | | | | | 13 | – | 2 |
| | S | 25 to 23 | – | – | – | – | – | – | 16 to 18 | | | | | 1 | 13'-0" | – | – | 39 to 43 | – | – | – | – | | | | | 4 | 10'-0" | 2 | 7'-0" | 10 | – | |
| 3 | L | 1 to 7 | 2 | – | – | – | – | – | 1 to 4 | 1 | 15'-3" | – | – | | | | | 1 to 13 | – | – | – | – | 4 | 15'-3" | 2 | 11'-9" | | | | | 16 | – | 3 |
| | S | 25 to 30 | 1 | – | – | – | – | – | 16 to 19 | | | | | 1 | 12'-6" | – | – | 39 to 48 | – | – | – | – | | | | | 4 | 12'-3" | 2 | 9'-6" | 12 | – | |
| 4 | L | 1 to 9 | 3 | – | – | – | – | – | 1 to 5 | 1 | 18'-0" | – | – | | | | | 1 to 16 | 1/0 | – | – | – | 4 | 18'-0" | 2 | 14'-3" | | | | | 19 | – | 4 |
| | S | 25 to 31 | 3 | – | – | – | – | – | 16 to 20 | | | | | 1 | 14'-9" | – | – | 39 to 51 | 1/0 | – | – | – | | | | | 4 | 14'-6" | 2 | 11'-6" | 15 | – | |
| 5 | L | 1 to 10 | 3 | 2 | – | – | – | – | 1 to 6 | 1 | 21'-0" | – | – | | | | | 1 to 19 | 2/0 | – | – | – | 4 | 20'-6" | 2 | 16'-9" | | | | | 22 | – | 5 |
| | S | 25 to 32 | 3 | 1 | – | – | – | – | 16 to 21 | | | | | 1 | 17'-0" | – | – | 39 to 53 | 2/0 | – | – | – | | | | | 4 | 16'-6" | 2 | 13'-9" | 17 | – | |
| 6 | L | 1 to 12 | 3 | 4 | – | – | – | – | 1 to 7 | 1 | 23'-9" | 1 | 18'-6" | | | | | 1 to 22 | 2/0 | – | – | – | 4 | 23'-6" | 2 | 19'-6" | | | | | 25 | – | 6 |
| | S | 25 to 34 | 3 | 2 | – | – | – | – | 16 to 22 | | | | | 1 | 19'-6" | 1 | 15'-3" | 39 to 56 | 2/0 | – | – | – | | | | | 4 | 18'-9" | 2 | 15'-9" | 20 | – | |
| 7 | L | 1 to 14 | 3 | 4 | 2 | 1 | – | – | 1 to 8 | 1 | 26'-6" | 1 | 20'-6" | | | | | 1 to 26 | 3/0 | – | – | – | 4 | 26'-3" | 2 | 22'-0" | | | | | 25 | 4 | 7 |
| | S | 25 to 35 | 3 | 3 | 1 | – | – | – | 16 to 23 | | | | | 1 | 21'-9" | 1 | 17'-0" | 39 to 58 | 3/0 | – | – | – | | | | | 4 | 20'-9" | 2 | 17'-9" | 20 | 3 | |
| 8 | L | 1 to 15 | 3 | 4 | 5 | 3 | – | – | 1 to 9 | 1 | 29'-5" | 1 | 22'-9" | | | | | 1 to 28 | 3/0 | – | – | – | 4 | 28'-9" | 2 | 24'-6" | | | | | 25 | 7 | 8 |
| | S | 25 to 36 | 3 | 3 | 3 | 2 | – | – | 16 to 24 | | | | | 1 | 24'-0" | 1 | 18'-6" | 39 to 61 | 3/0 | – | – | – | | | | | 4 | 23'-0" | 2 | 19'-9" | 20 | 5 | |
| 9 | L | 1 to 17 | 3 | 4 | 8 | 4 | – | – | 1 to 10 | 1 | 32'-0" | 1 | 24'-9" | | | | | 1 to 30 | 0 3/4 2 | – | – | – | 4 | 31'-6" | 2 | 27'-0" | | | | | 25 | 10 | 9 |
| | S | 25 to 37 | 3 | 3 | 6 | 3 | – | – | 16 to 25 | | | | | 1 | 26'-6" | 1 | 20'-6" | 39 to 63 | 0 1/3 0 | – | – | – | | | | | 4 | 25'-0" | 2 | 22'-0" | 20 | 8 | |
| 10 | L | 1 to 18 | 3 | 4 | 11 | 6 | – | – | 1 to 11 | 1 | 34'-9" | 1 | 26'-9" | | | | | 1 to 32 | 0 6/4 3 | – | – | – | 4 | 34'-3" | 2 | 29'-9" | | | | | 25 | 13 | 10 |
| | S | 25 to 39 | 3 | 3 | 8 | 4 | – | – | 16 to 26 | | | | | 1 | 28'-9" | 1 | 22'-3" | 39 to 65 | 0 3/4 1 | – | – | – | | | | | 4 | 27'-3" | 2 | 24'-0" | 20 | 10 | |
| 11 | L | 1 to 20 | 3 | 4 | 15 | 7 | – | – | 1 to 12 | 1 | 37'-6" | 1 | 29'-0" | | | | | 1 to 33 | 0 10/5 5 | – | – | – | 4 | 37'-0" | 2 | 32'-3" | | | | | 25 | 16 | 11 |
| | S | 25 to 40 | 3 | 3 | 11 | 5 | – | – | 16 to 27 | | | | | 1 | 31'-0" | 1 | 24'-0" | 39 to 66 | 0 6/4 2 | – | – | – | | | | | 4 | 29'-3" | 2 | 26'-0" | 20 | 13 | |
| 12 | L | 1 to 21 | 3 | 4 | 15 | 7 | 3 | 2 | 1 to 13 | 1 | 40'-3" | 1 | 31'-0" | | | | | 1 to 35 | 0 11/0 6/5 1 | – | – | – | 4 | 39'-9" | 2 | 34'-9" | | | | | 25 | 20 | 12 |
| | S | 25 to 41 | 3 | 3 | 13 | 7 | – | – | 16 to 28 | | | | | 1 | 33'-6" | 1 | 25'-9" | 39 to 67 | 0 8/4 3 | – | – | – | | | | | 4 | 31'-6" | 2 | 28'-3" | 20 | 15 | |
| 14 | L | 1 to 24 | 3 | 4 | 15 | 7 | 9 | 5 | 1 to 15 | 1 | 45'-9" | 1 | 35'-0" | | | | | 1 to 38 | 0 11/0 6/6 7 | 3 | 4 | 45'-3" | 2 | 40'-0" | | | | | | | 25 | 25 | 14 |
| | S | 25 to 44 | 3 | 3 | 13 | 7 | 5 | 2 | 16 to 30 | | | | | 1 | 38'-0" | 1 | 29'-0" | 39 to 70 | 0 9/0 4/5 4 | 2 | | | | | | | 4 | 35'-9" | 2 | 32'-6" | 20 | 20 | |

## QUANTITIES

| Clear Height of Culvert Opening | Concrete Cu. Yds. | Reinf. Steel lbs. |
|---|---|---|
| 2 | 2.56 | 202 |
| 3 | 3.62 | 266 |
| 4 | 4.82 | 353 |
| 5 | 6.22 | 466 |
| 6 | 7.92 | 658 |
| 7 | 10.09 | 850 |
| 8 | 12.63 | 1065 |
| 9 | 15.31 | 1335 |
| 10 | 18.67 | 1612 |
| 11 | 22.49 | 1906 |
| 12 | 26.84 | 2232 |
| 14 | 37.27 | 3055 |

Rad = 2' for 4"
Rad. = 3" " 6"
Rad. = 3½" " 7"

| | | |
|---|---|---|
| 4#V1 | 7" | 1'-4 Lg. |
| to | BY 8" | BY 8" |
| 4#V9 | 5'-11" | 6'-8" " |
| 6#V10 | 6'-8" | 7'-8" " |
| to | BY 8" | BY 8" |
| 6#V20 | 13'-2" | 14'-4" " |
| 7#V21 | 13'-9" | 15'-1" " |
| to | BY 8" | BY 8" |
| 7#V24 | 15'-9" | 17'-1" " |
| 4#V25 | 8" | 1'-5" " |
| to | BY 10" | BY 10" |
| 4#V31 | 5'-8" | 6'-5" " |
| 6#V32 | 6'-4" | 7'-6" " |
| to | BY 10" | BY 10" |
| 6#V44 | 16'-4" | 17'-6" " |
| 4#Va | 2'-2" | 3'-2" |
| 6#Vb | 2'-9" | 4'-0" |
| 6#Vc | 4'-5" | 6'-0" |
| 6#Vd | 6'-0" | 8'-6" " |
| 7#Ve | 5'-2" | 7'-8" " |
| 7#Vf | 7'-11" | 10'-4" |

| | |
|---|---|
| 3#H1 | 5'-3 |
| to | BY 2'-7½ |
| 3#H15 | 42'-0 |
| 3#H16 | 4'-6 |
| to | BY 2'-1½ |
| 3#H30 | 34'-3 |

| | |
|---|---|
| 4#W2 | Length |
| 4#W4 | " |

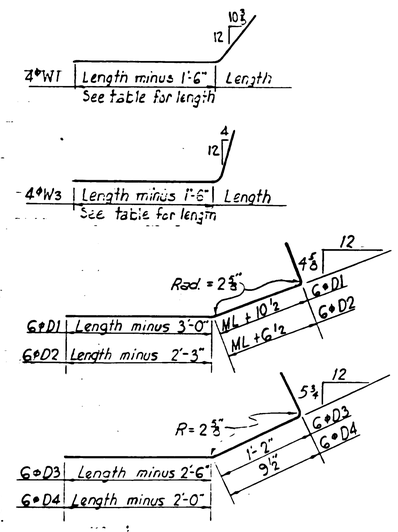
Place this end in cut off wall.

Rad. = 1⅝"

| | | |
|---|---|---|
| 3#F1 | 2'-7" | 3'-6" Lg. |
| 3#F2 | 2'-7" | 4'-6" Lg. |

| | |
|---|---|
| 4#S1 | 1'-1" |
| to | BY 1" |
| 4#S15 | 2'-3" |
| 6#S16 | 2'-9 |
| to | BY 1" |
| 6#S29 | 3'-10" |
| 6#S30 | 4'-2" |
| to | BY 2" |
| 6#S34 | 4'-10" |
| 7#S35 | 5'-2" |
| to | BY 2" |
| 7#S33 | 5'-8" |
| 4#S39 | 1'-1" |
| to | BY 1⅛" |
| 4#S56 | 3'-0 |
| 6#S57 | 3'-6" |
| to | BY 1⅛" |
| 6#S64 | 4'-4" |
| 6#S65 | 4'-5" |
| to | BY 2⅜" |
| 6#S70 | 5'-7" |
| 6#Sa | 3'-5" |
| 6#Sb | 4'-5" |
| 7#Sc | 4'-2" |
| 7#Sd | 5'-2" |

Note: See table for lengths of bars not shown and number required.




BAR BENDING DIAGRAMS

## GENERAL NOTES

1. Workmanship and materials shall conform to New Mexico State Highway Commission Specifications.
2. All concrete to be Class "A". Chamfer all exposed edges ¾".
3. All reinforcing steel to be deformed bars, intermediate grade, conforming to A.S.T.M. Spec's. A-15 and 305. All dimensions refer to ℄ of bar. Bars to be cut to the nearest one inch length, use shorter length when detailed length falls on ½" exact.
4. Reinforcing bars may be spliced where necessary to avoid excessive lengths of bars. Splices shall lap a minimum of 20 bar diameters. Pay weight of reinforcing steel does not include weight of splices; cost of splice material shall be included in the unit price bid for reinforcing steel.
5. Wingwalls are to be placed monolithic with barrel.

## DESIGN DATA

Design according to AASHO Specifications, 1957.
Active earth pressure determined from Rankine's Formula.
Weight of earth: 120 #/ft.³
Fill slope 2:1
Angle of internal friction: 34°
} For Rankine's Formula
Design stresses: fc = 3000 psi, fc = 1200 psi, fs = 20,000 psi, n = 10
Maximum computed footing pressure = 2 tons per sq. ft.

26 2879 3687

THIS SERIAL REVISED: 1-30-68

NEW MEXICO
STATE HIGHWAY DEPARTMENT

WINGWALLS
FOR 15° SKEW CONC. BOX CULVERTS

Sheet 2 of 2

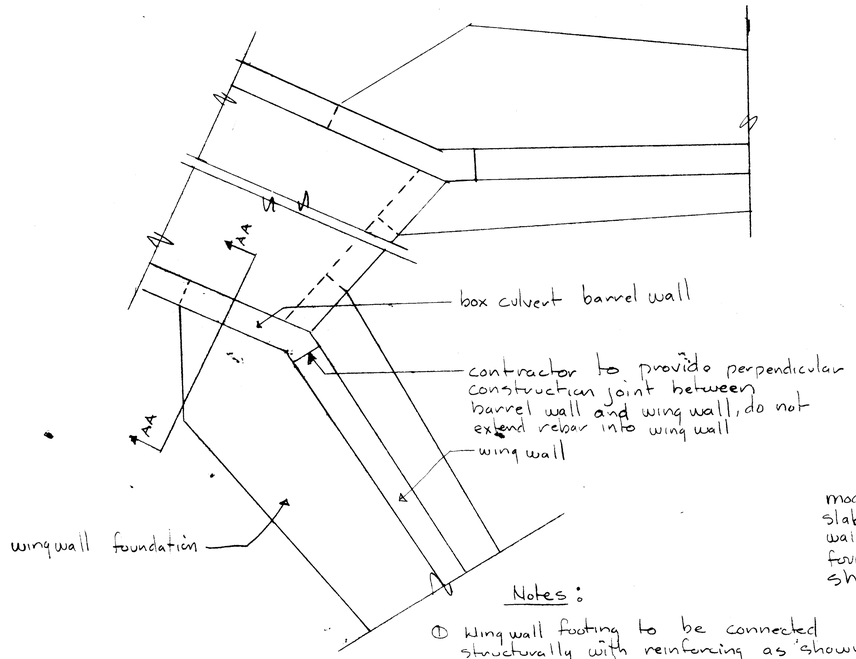
SERIAL WCB-15

APPROVED: [signature] 11-8-60
BRIDGE ENGINEER

DRAWING NO. 2879 SHEET 36 OF 36

Designed by S.E.F. 11-60 Checked by E.S.C. 11-60
Detailed by J.M.P. 11-60 Checked by S.E.F. 11-60

| DATE | BY |
|---|---|
| 1-30-68 | RR |
| 5-23-61 | RR |
| 3-16-61 | W.L.L. |
| 3-13-61 | RR |
| 1-25-61 | J.P.K.L. |
| 3-13-60 | N. |
| 11-29-59 | L.E. |
| 11-30-63 | SEV |

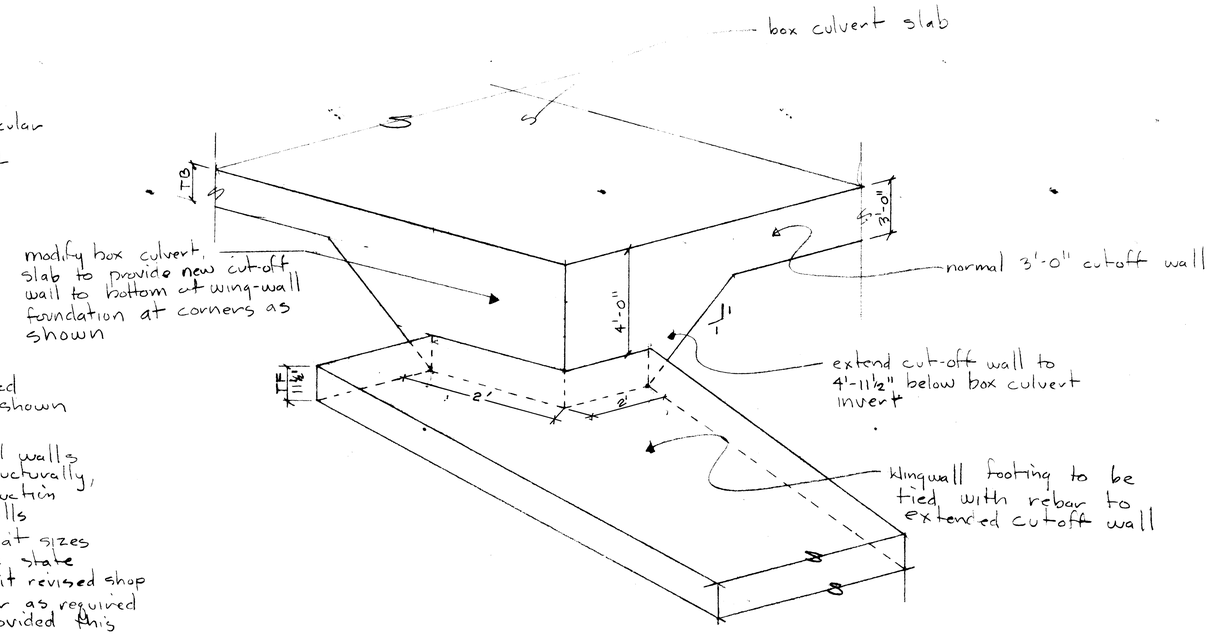



Notes:

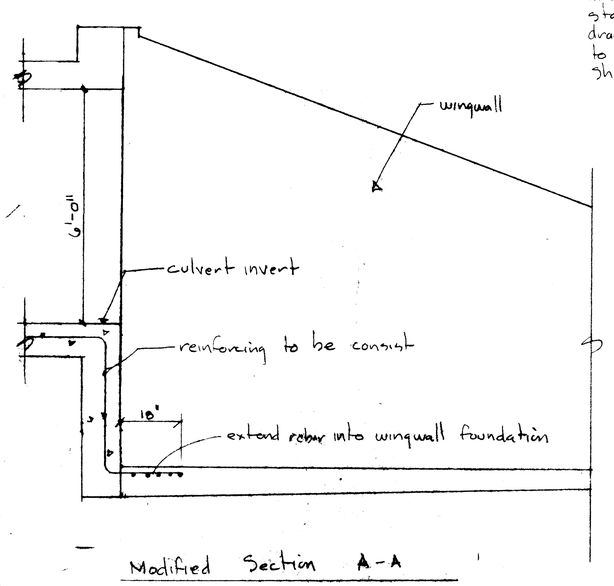
① Wing wall footing to be connected structurally with reinforcing as shown on these details

② Wing wall and box culvert barrel walls are not to be connected structurally, contractor is to provide construction joint between barrel & wing walls

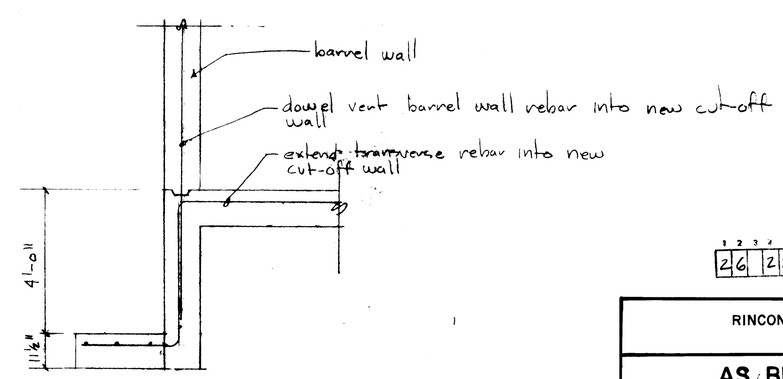
③ All reinforcing steel to remain at sizes and spacing as required by the state standards, Contractor shall submit revised shop drawings indicating additional rebar as required to acheive modified details provided this sheet




Isometric View of Box Culvert Slab & Wing Wall Footing




Modified Section A-A




Section AA - AA

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | N | T |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 6 | | 2 | 8 | 7 | 9 | 3 | 6 | 8 | 7 A |

RINCON SUBDIVISION PHASE I

**AS BUILT SHEET**

**MODIFICATIONS TO N.M.S.H.D. STANDARD BOX CULVERT USED ON THE EAST SIDE ON THE CARRICK ST. BOX CULVET.**

Resource Technology, Inc

| DATE: 11-25-87 | MAP NO. F-10 | 36 A |
|---|---|---|