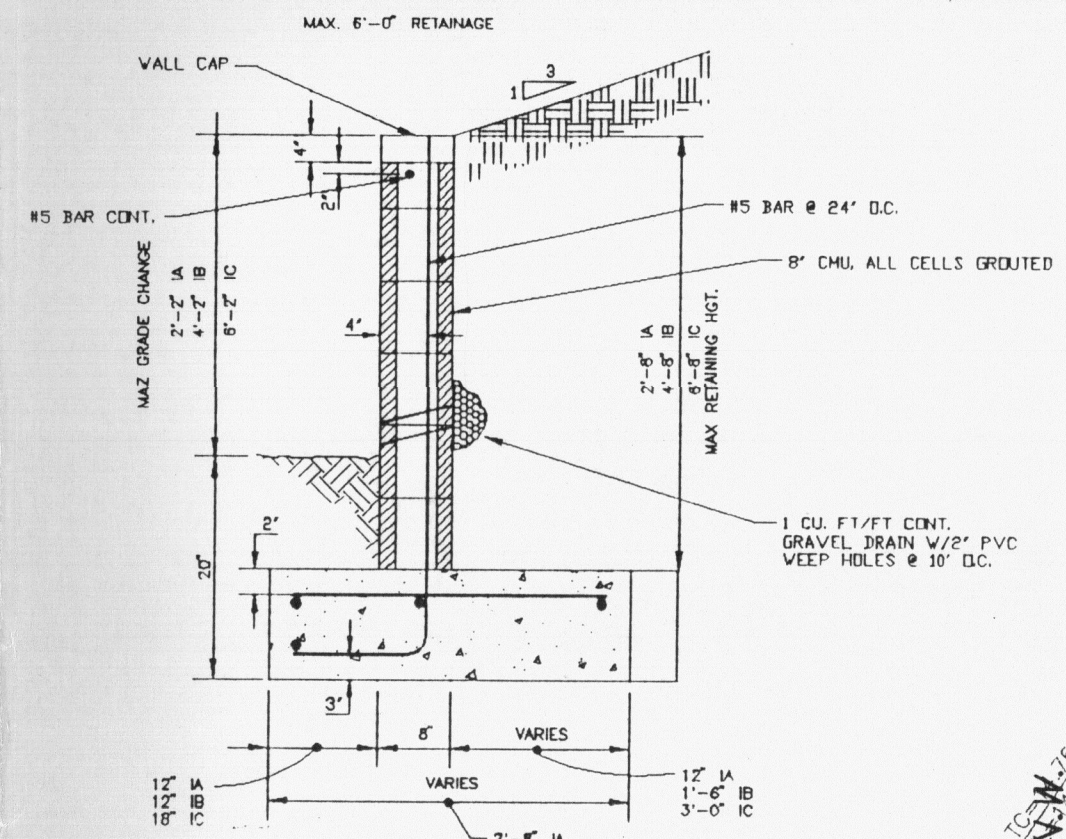
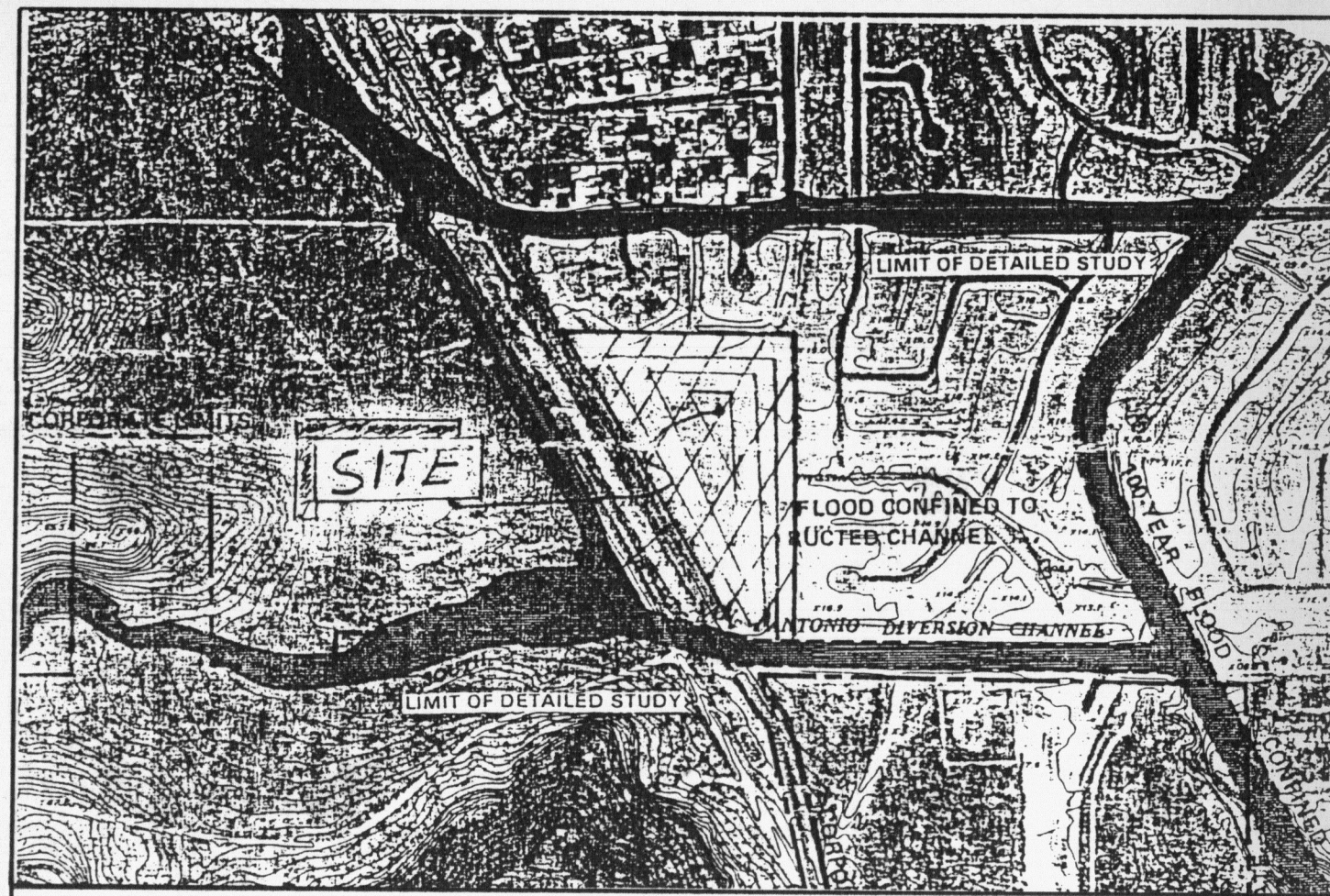




| WALL    | DOWEL BAR | VERTICAL BAR         | STEEL BAR | LONG BAR | LAD. SPICE |
|---------|-----------|----------------------|-----------|----------|------------|
| 1A      | #3 @ 16"  | #3 @ 16" OR #4 @ 32" | #3 @ 16"  | (1) #4   | 18"        |
| 1B & 1A | #3 @ 16"  | #3 @ 16" OR #4 @ 32" | #3 @ 16"  | (1) #4   | 18"        |
| 1C      | #3 @ 16"  | #3 @ 16" OR #4 @ 32" | #3 @ 16"  | (1) #4   | 18"        |
| 1D      | #3 @ 16"  | #3 @ 16" OR #4 @ 32" | #3 @ 16"  | (1) #4   | 18"        |

#### GENERAL NOTES:

1. ALL CONCRETE IS TO BE 3000 PSI @ 28 DAYS.
2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM D 1557 FOR A DEPTH OF 12". MOISTURE CONTENT IS TO BE  $\pm 2.0\%$ .
3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
4. ALL BARS ARE TO BE GRADE 60, ASTM 615.
5. TRUSS TYPE DRAINAGE WALL EVERY OTHER COURSE.

#### GROUND SOLID

8" CMU  
6" - 32" SOL. WCT - 110 PCT  
ALLOW = 1500PSF  
DEMO FOR:  
1A 2'-8" RETAINED HGT 2'-2" GRADE CHANGE  
1B 4'-8" RETAINED HGT 4'-2" GRADE CHANGE  
1C 6'-8" RETAINED HGT 6'-2" GRADE CHANGE

TYPE I - RETAINING WALL

NOT TO SCALE

#### FEMA MAP

MAP NO. 350002-0014

TRINITY RANCH  
(12-6-79, C16-11)

#### VICINITY MAP

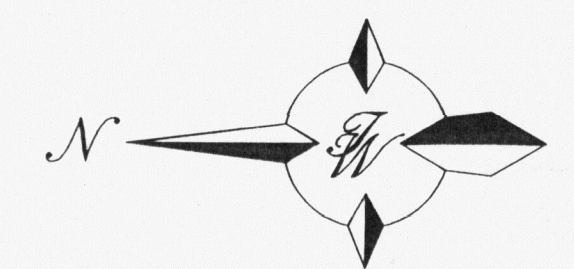
MAP NO. F-10-Z

LEGAL DESCRIPTION  
AREA 3, LANDS OF  
ROBERSON CONSTRUCTION CO. INC

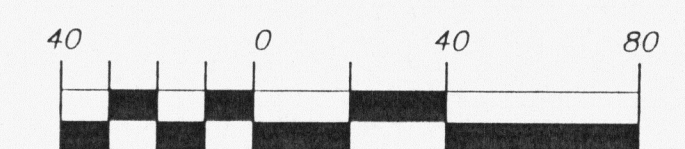
NOTE: ALL PERIMETER LOTS  
TO MATCH EXISTING GRADES.

#### LEGEND

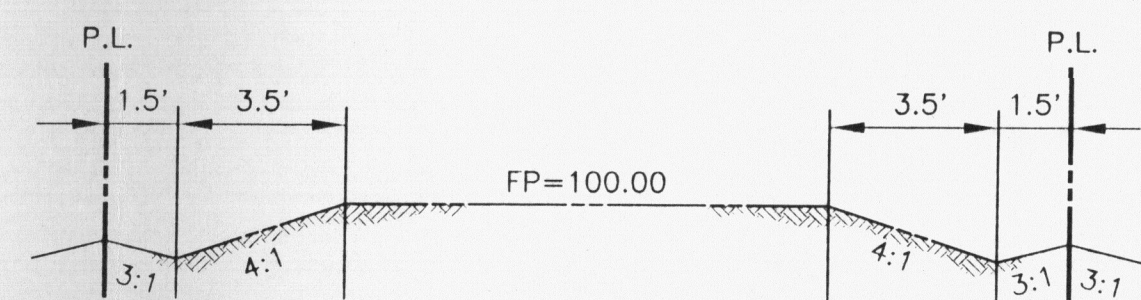
- BOUNDARY LINE
- LOT LINE
- EASEMENT LINE
- NEW CURB AND GUTTER
- EXISTING CURB AND GUTTER
- EXISTING CONTOUR
- PROPOSED GRADE
- EXISTING GRADE
- CATCH BASIN
- BUILDING FOOTPRINT
- RETAINING WALL



#### GRAPHIC SCALE

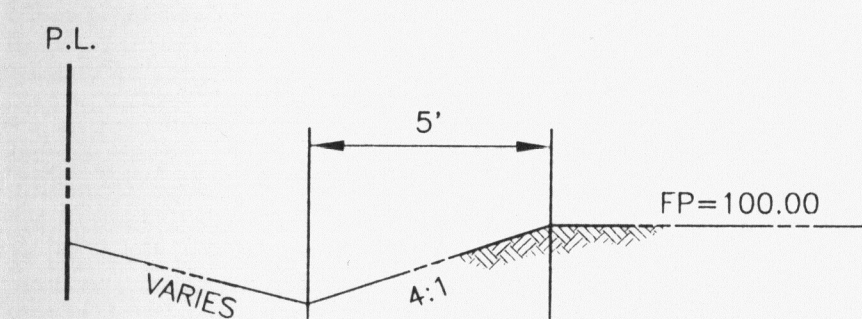


SCALE: 1" = 40.00'



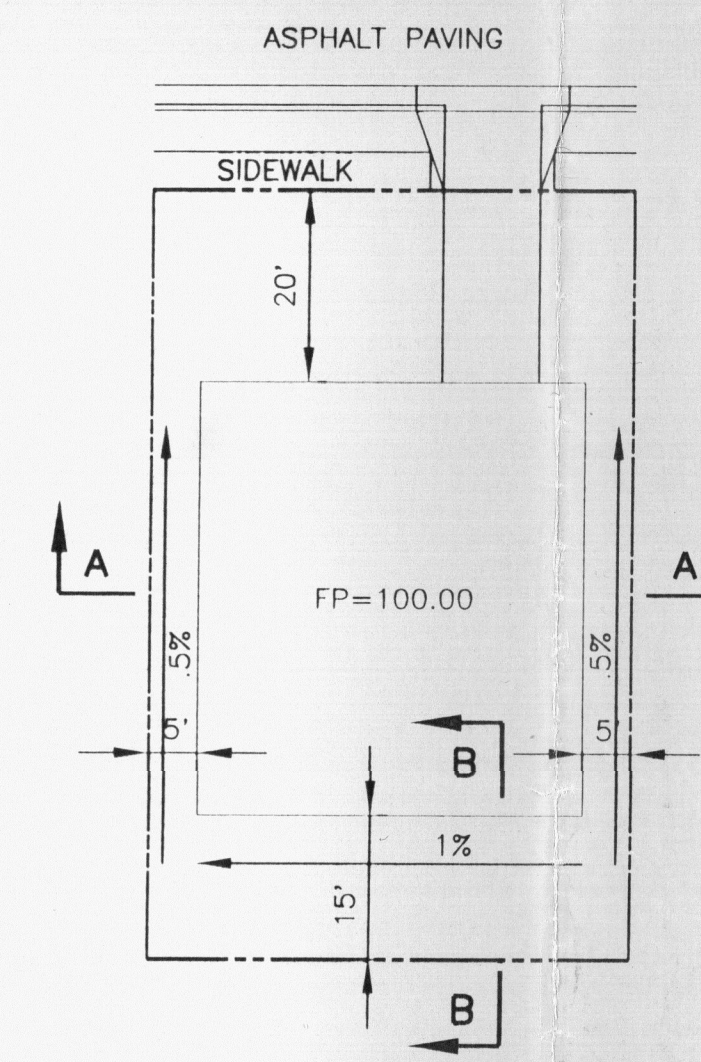
#### SECTION A-A

NOT TO SCALE



#### SECTION B-B

NOT TO SCALE



#### TYPICAL LOT DETAIL

NOT TO SCALE

ACS MONUMENT  
20-E10  
Y= 1509204.34  
X= 358881.17  
G-C= 0.9996687  
Δα= -00°16'18"  
CENTRAL ZONE  
(NAD 1927)

ROUGH GRADING APPROVAL

DATE

40\930040\9340GR.DWG\B0\2-22-95

PROJECT # 5084.90

ENGINEER'S SEAL  
RONALD R. BOHANNAN  
P.E. #7868

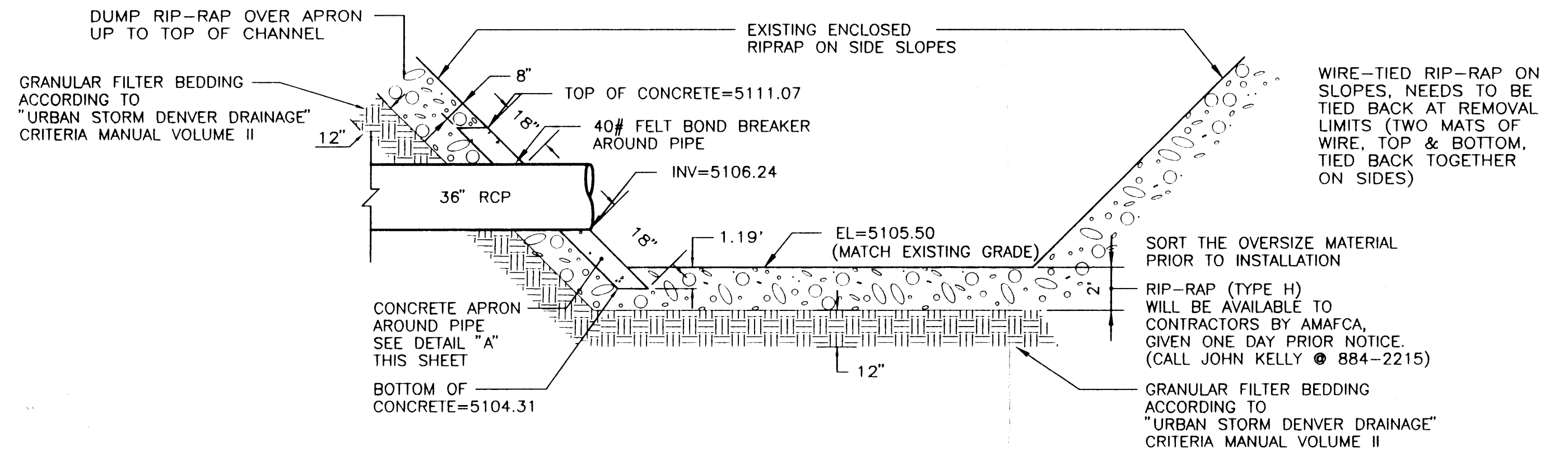
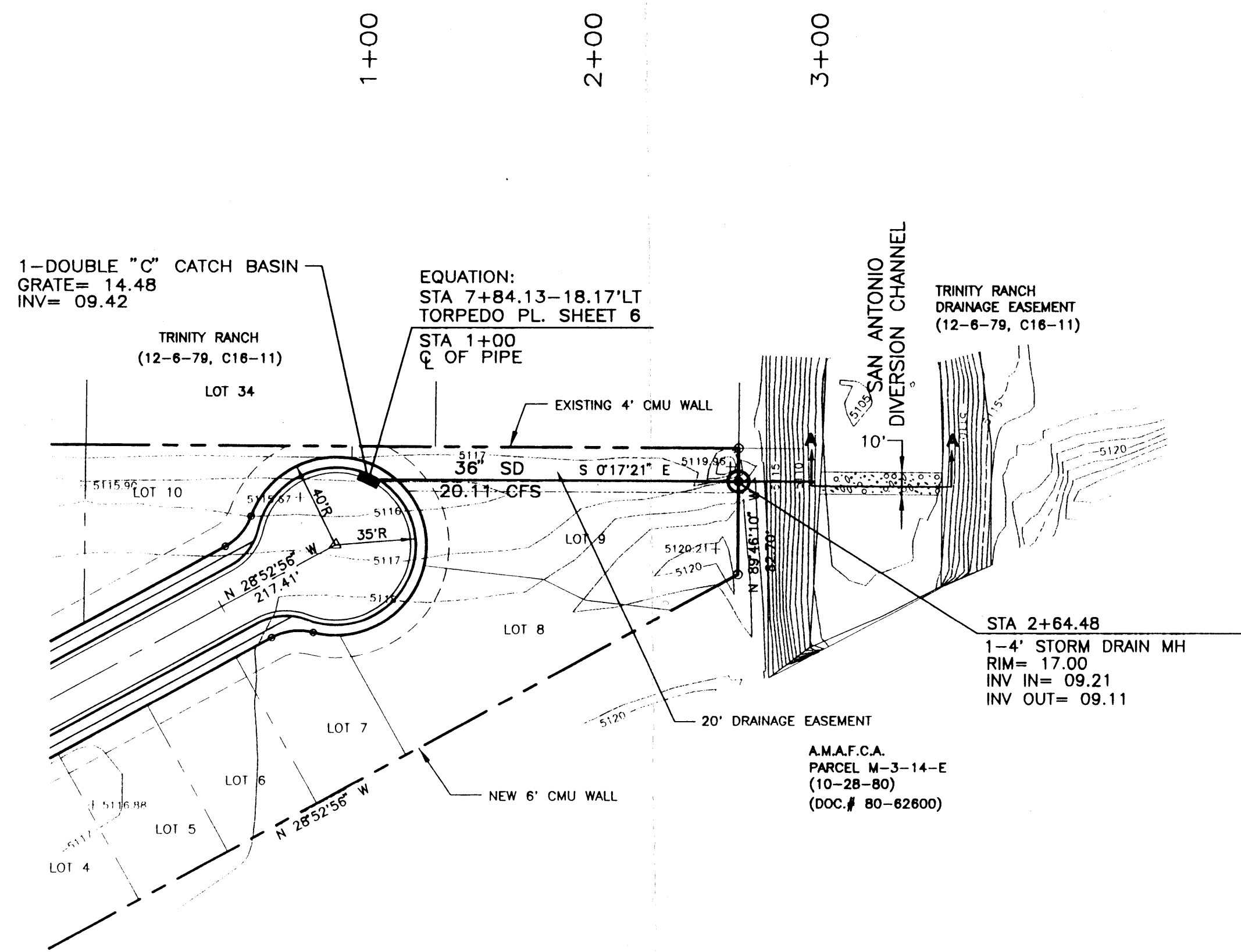
#### GRADING PLAN

VOLCAN VISTAS

TIERRA WEST DEVELOPMENT  
MANAGEMENT SERVICES

4600 MONTGOMERY BLVD. N.E., SUITE 3  
ALBUQUERQUE, NEW MEXICO 87109  
(505)883-7592

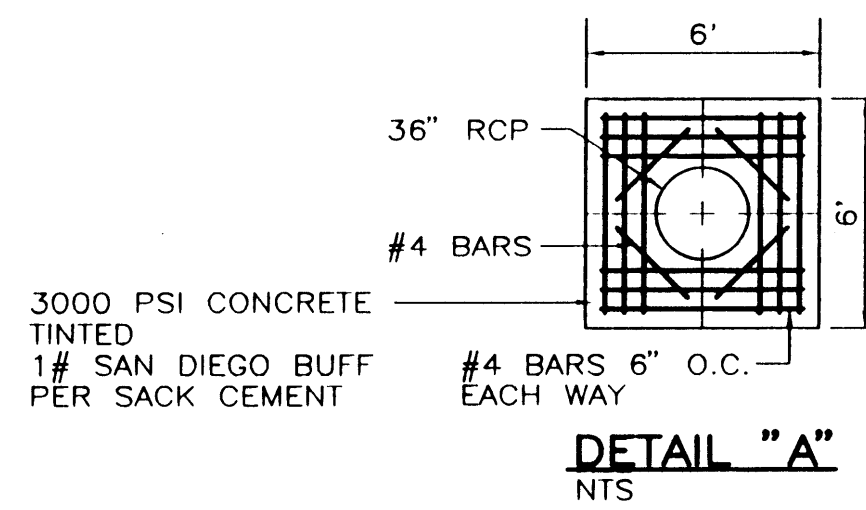
DRAWN BY BWA  
DATE 8-25-94  
9340GR.DWG  
SHEET # 4 OF 11  
JOB # 930040



SECTION A-A  
NTS

GRADATION FOR GRANULAR BEDDING

| U.S. STANDARD<br>SIEVE SIZE | SQUARE MESH SIEVES<br>TYPE II |
|-----------------------------|-------------------------------|
| 3"                          | 90 - 100                      |
| 1-1/2"                      | -                             |
| 3/4"                        | 20 - 90                       |
| 3/8"                        | -                             |
| #4                          | 0 - 20                        |
| #16                         | -                             |
| #50                         | -                             |
| #100                        | -                             |
| #200                        | 0 - 3                         |

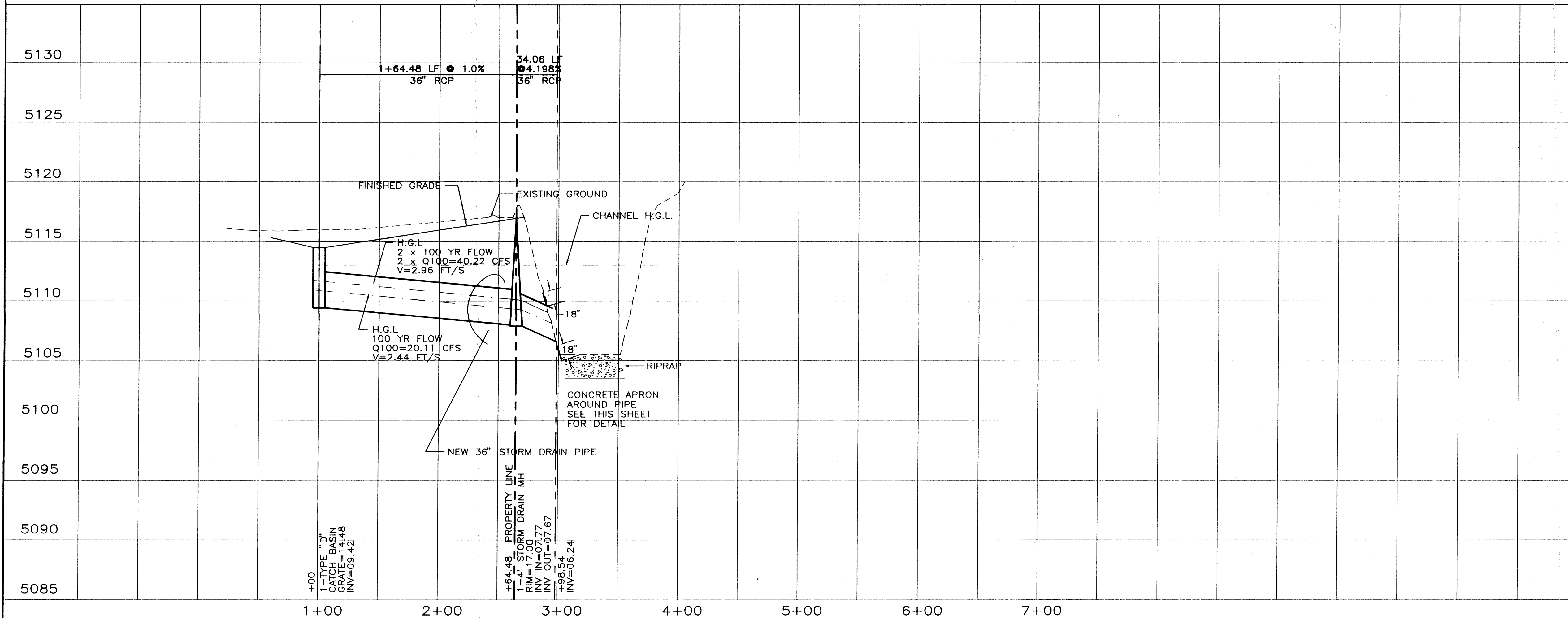


DETAIL "A"  
NTS

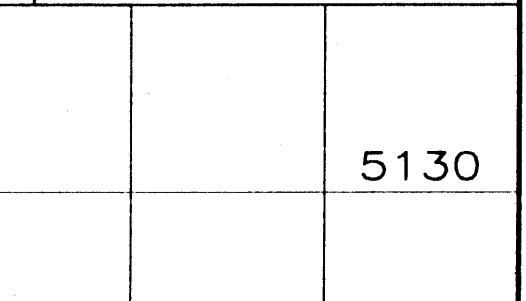
NOTE:

CONTRACTOR MUST BE AWARE OF IMPROVEMENTS ALONG UNSER BIKE TRAIL. EXCAVATION MAY REQUIRE IMPROVEMENTS TO BE REMOVED AND REPLACED AT DEVELOPER'S EXPENSE.

SCALE: HORIZ. 1"=50'  
VERT. 1"= 5'



| AS BUILT INFORMATION   |      | BENCH MARKS       |      | SURVEY INFORMATION |      | ENGINEER'S SEAL |      |
|------------------------|------|-------------------|------|--------------------|------|-----------------|------|
| CONTRACTOR             | WORK | NMSHC MONUMENT    | DATE | FIELD NOTES        | NO.  | NO.             | NO.  |
| STATIONED BY           | DATE | "3-F10"           | DATE | BY                 | DATE | DATE            | DATE |
| ACCEPTANCE BY          | DATE | Y=1,506.551.87    | DATE |                    |      |                 |      |
| FIELD                  | DATE | X=362.216.44      | DATE |                    |      |                 |      |
| DRAWINGS               | DATE | G=0.996704        | DATE |                    |      |                 |      |
| CORRECTED BY           | DATE | Δα= -00'15"55"    | DATE |                    |      |                 |      |
| MICRO-FILM INFORMATION | DATE | CENTRAL ZONE      | DATE |                    |      |                 |      |
| RECORDED BY            | DATE | (NAD 1927)        | DATE |                    |      |                 |      |
| NO.                    | NO.  | ELEVATION=5255.21 | NO.  |                    |      |                 |      |



|                                                                                                                                        |          |         |             |
|----------------------------------------------------------------------------------------------------------------------------------------|----------|---------|-------------|
| TERRA WEST DEVELOPMENT<br>MANAGEMENT SERVICES<br>4600 MONTGOMERY BLVD. N.E., SUITE 3<br>ALBUQUERQUE, NEW MEXICO 87109<br>(505)883-7592 |          |         |             |
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING GROUP                                                                    |          |         |             |
| TITLE:<br><b>VOLCAN VISTAS<br/>STORM DRAINAGE SYSTEM CONNECTION TO<br/>SAN ANTONIO DIVERSION CHANNEL</b>                               |          |         |             |
| APPROVALS                                                                                                                              | ENGINEER | DATE    | APPROVALS   |
| DRC CHAIRMAN                                                                                                                           | 3-7-95   | 3-7-95  | WATER       |
| TRANSPORTATION                                                                                                                         | 3-7-95   | 3-7-95  | WASTE WATER |
| HYDROLOGY                                                                                                                              | 3-7-95   | 3-7-95  | AMAFCA      |
| DESIGNED BY                                                                                                                            | SB       | DATE    | 10-94       |
| DRAWN BY                                                                                                                               | DLW      | DATE    | 10-94       |
| CHECKED BY                                                                                                                             | RRB      | DATE    | 10-94       |
| PROJECT NO.                                                                                                                            | 5084.90  | MAP NO. | F-10-Z      |
|                                                                                                                                        |          | SHEET   | 11 OF 11    |