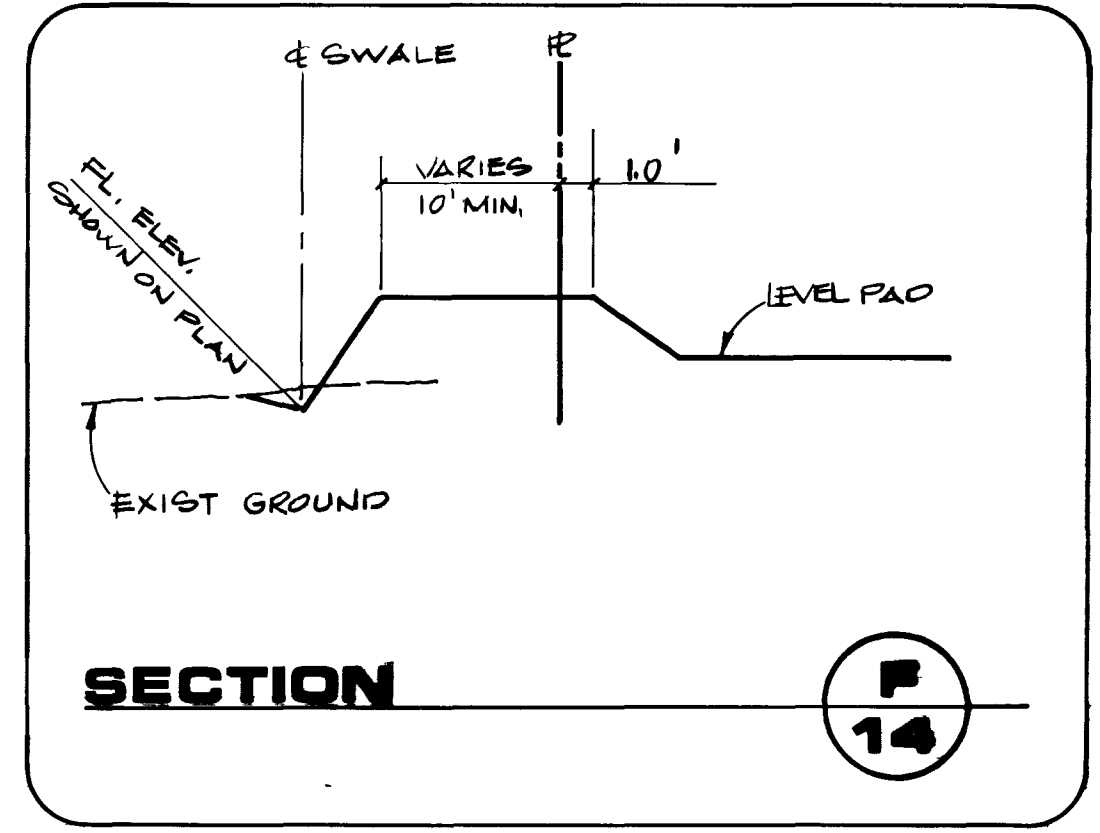
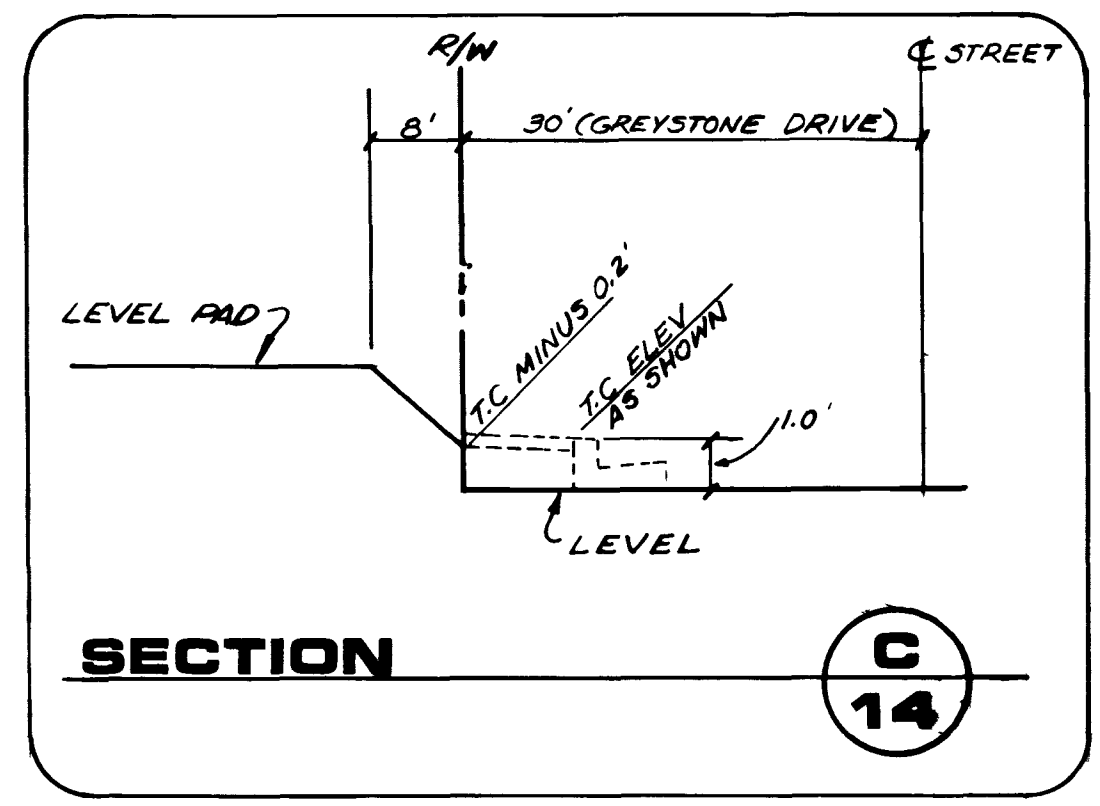
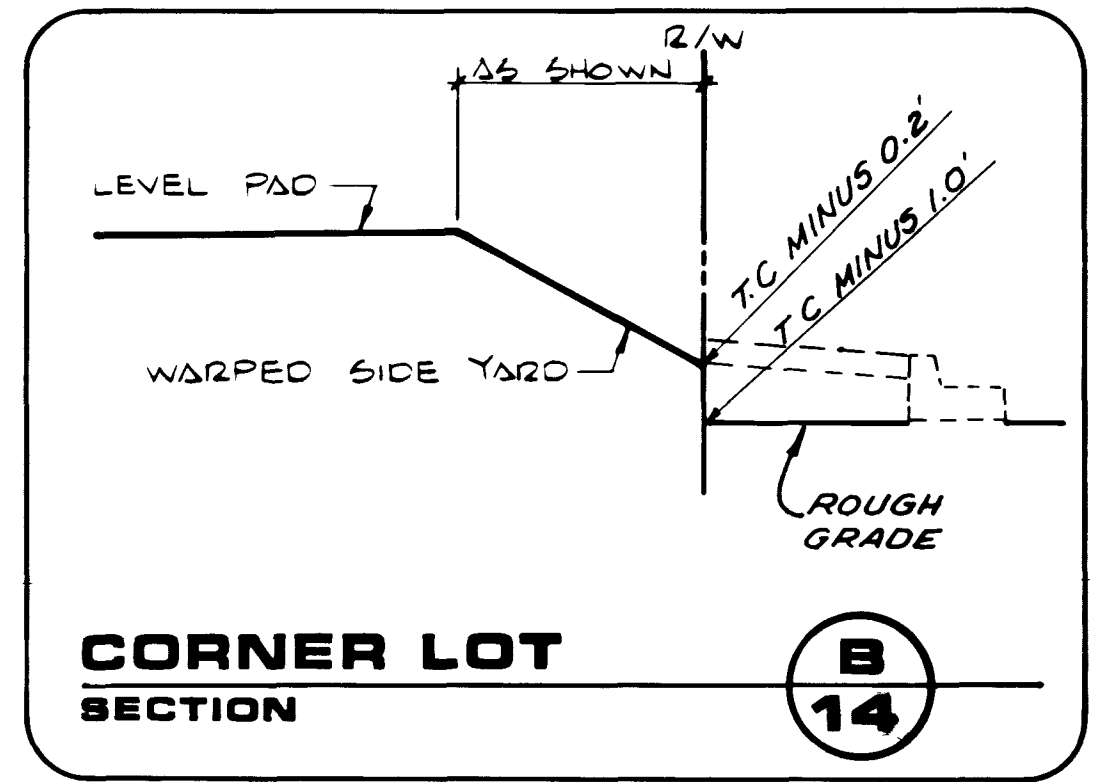
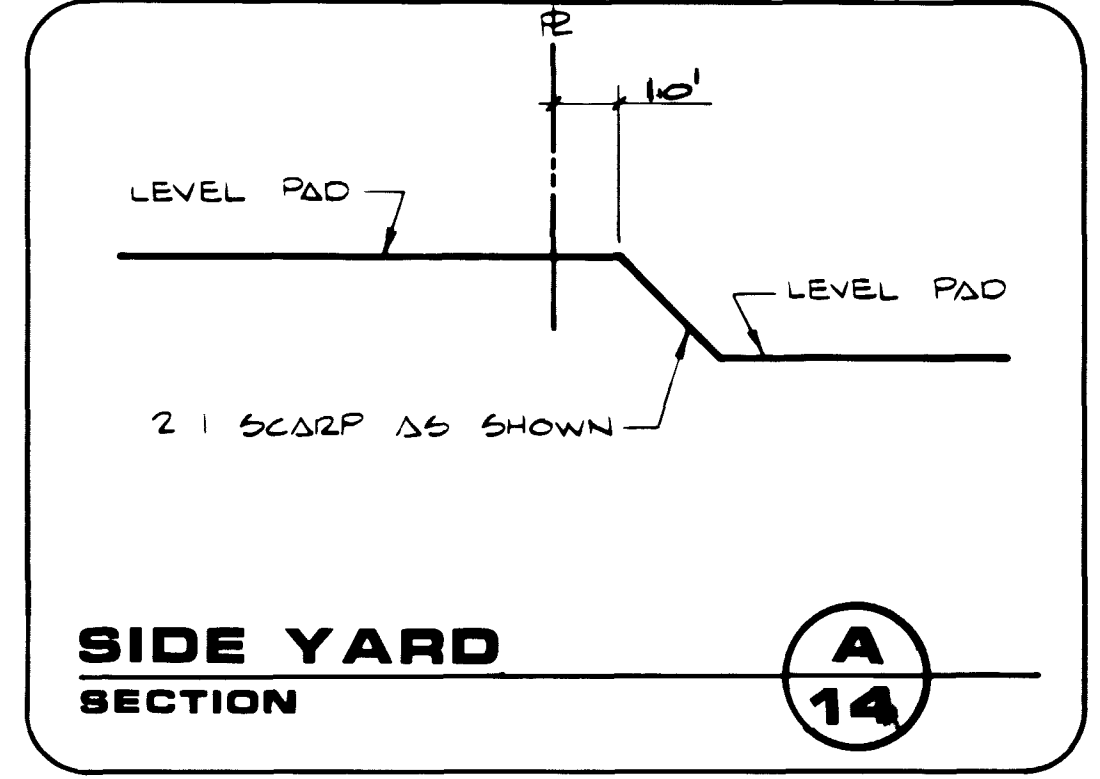


**NOTES**



**GRADING NOTES:**

- INDICATED GRADES OTHER THAN T.C., F.G. & GUTTER F.L. ARE ROUGH GRADES. (0.3' LOWER THAN FINISHED GRADE).
- THE ROUGH GRADING PLANS SHALL BE ON THE JOB SITE AT ALL TIMES. THE ROUGH GRADING SHALL BE FINISHED IN CONFORMANCE WITH THE LINES AND GRADES SHOWN ON THE PLANS. THE GRADING QUANTITIES ARE BASED ON THE ELEVATION AND DETAILS SHOWN ON THE PLANS. ANY DEVIATIONS FROM THE PLANS WILL RESULT IN QUANTITY CHANGES.
- CARE SHALL BE EXERCISED IN GRADING OF REAR YARDS OF CORNER AND "B" TYPE DRAINAGE LOTS.
- ROUGH PAD ELEVATIONS SHALL BE GRADED TO WITHIN 0.1' OF THE PAD ELEVATIONS SHOWN ON THE PLANS. WHEN GRADING IS COMPLETE PER THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE LOTS CAN BE INSPECTED. AT THAT TIME THE ENGINEER SHALL ALSO DECIDE IF ANY ADDITIONAL DITCHES OR BERMS ARE REQUIRED. THE CONTRACTOR IS REQUESTED NOT TO REMOVE ANY OF HIS ROUGH GRADING EQUIPMENT UNTIL HE RECEIVES GRADING APPROVAL FROM THE ENGINEER.
- EARTH QUANTITIES:
 

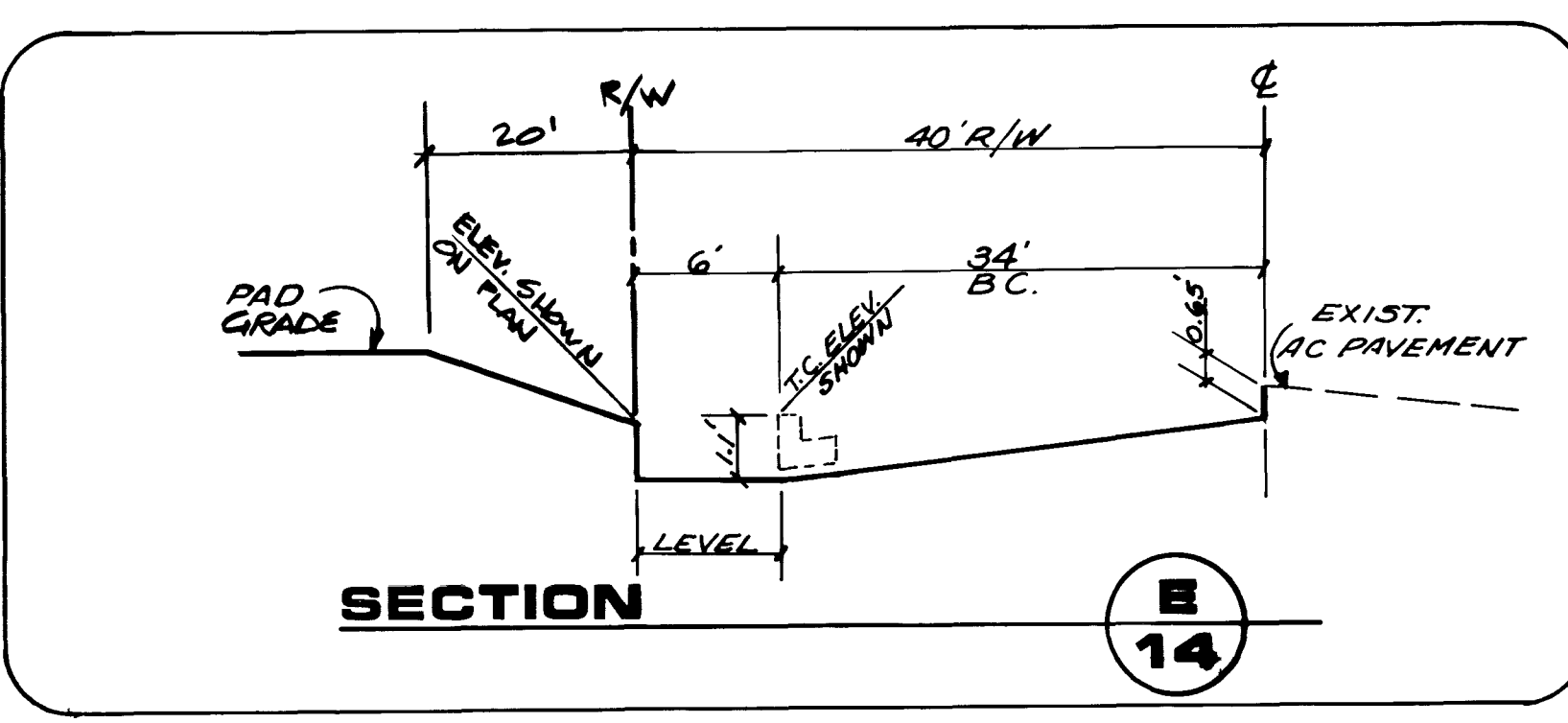
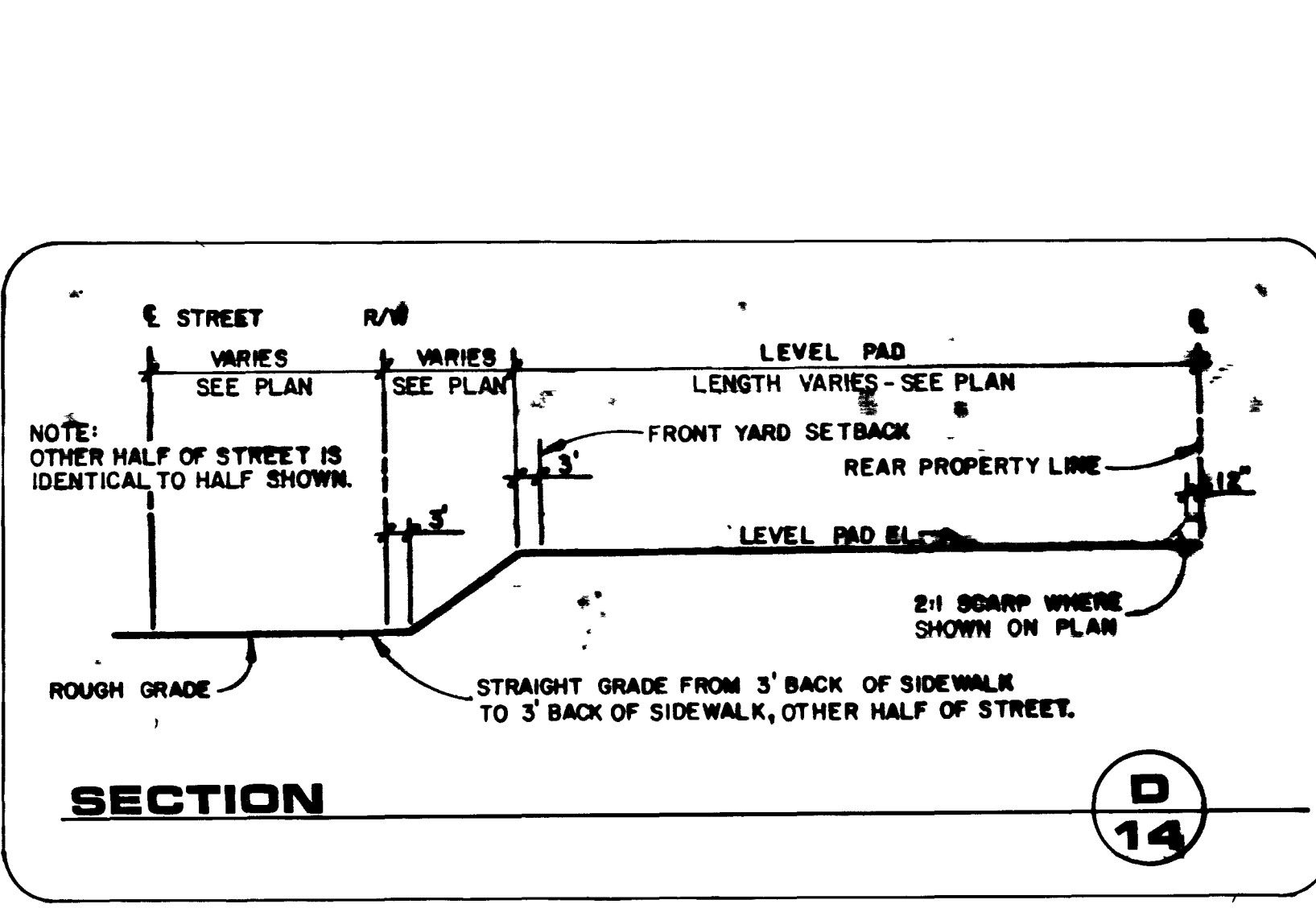
|            |             |
|------------|-------------|
| EXCAVATION | 8,100 C.Y.  |
| FILL       | 12,100 C.Y. |

  - THE ABOVE QUANTITIES DO NOT REFLECT LOSSES DUE TO SUBSIDENCE OR SHRINKAGE.
  - THE ABOVE QUANTITIES DO NOT REFLECT USING TYPE 1 GRAVEL BASE MATERIAL FOR STREET SECTIONS.
  - THE ABOVE QUANTITIES DO NOT REFLECT ANY EARTHWORK WHICH MAY BE REQUIRED BY THE ENGINEER TO CONSTRUCT ADDITIONAL PROTECTIVE DITCHES OR BERMS. (NOT SHOWN ON PLANS).
- OWNER AGREES THAT IF EXISTING NATIVE MATERIAL DOES NOT CONFORM TO SPECIFICATIONS FOR TYPE 1 BASE, OWNER WILL IMPORT TYPE 1 BASE FOR A.C. PAVEMENT AND COMPLY WITH C.L.V. STANDARDS.

**ENGINEER'S EVALUATION OF GRADING QUANTITIES**

USING A SHRINKAGE FACTOR OF 10% AND SUBSIDENCE OF 0.10' TO 1', AN ESTIMATE FOR THE GRADING IS SHOWN BELOW. PLEASE NOTE THAT THESE QUANTITIES ARE ONLY AN ESTIMATE. ACTUAL QUANTITIES MAY DIFFER FROM THE ESTIMATE DUE TO SOIL VARIATIONS IN THE FIELD. QUANTITIES FOR ADDITIONAL DITCHES & BERMS THAT MAY BE REQUIRED BY THE ENGINEER ARE NOT INCLUDED.

|                         | CUT        | FILL        |
|-------------------------|------------|-------------|
| COMPUTED VOL.           | 8,100 C.Y. | 12,100 C.Y. |
| SUBSIDENCE (0.1' to 1') | -900 C.Y.  | 800 C.Y.    |
| SUBTOTAL                | 7,200 C.Y. | 12,900 C.Y. |
| SHRINKAGE (10%)         |            | 1,300 C.Y.  |
| TOTAL                   | 7,200 C.Y. | 14,200 C.Y. |
| IMPORT                  | 7,200 C.Y. |             |



**LEGEND**

- ① LOT NUMBER
- ① BLOCK NUMBER
- 59.0 PAD ELEVATION
- 59.0 EXISTING PAD ELEVATION
- 59.0 FUTURE PAD ELEVATION
- 57.10 FINISHED GRADE
- 57.10 EXISTING ELEVATION
- 57.10 FUTURE ELEVATION
- 57.1 ROUGH GRADE ELEVATION
- 57.10 T.C. OR F.G. GRADE BREAK
- 2:1 SCARP
- 56 EXISTING CONTOUR
- DRAINAGE ARROW

**BENCHMARK**

C.L.V. BRASS CAP IN CONC. MONUMENT AT  
 23  
 1/4 COR. SEC. C.L.V. DATUM ELEV. = 2,319.30'  
 26

Call before you Dig.  
 1-800-227-2600  
 UNDERGROUND SERVICE USA

**ENGINEER'S CERTIFICATE**

I HEREBY CERTIFY THAT THESE PLANS AND/OR SPECIFICATIONS COMPLY WITH F.H.A. OBJECTIVES, MINIMUM PROPERTY STANDARDS, LOCAL ACCEPTABLE STANDARDS AND REQUIREMENTS, AND REPRESENT THE BEST OF MY PROFESSIONAL JUDGMENT.

LEONARDI ENGINEERS R.E. NO. 3794 DATE 9/22/86

**APPROVAL**

CLV CHIEF LAND DEVELOPMENT DATE 10-28-86

DESCRIPTION  
 REF. DATE  
 10/9/86  
 3794 R.E. NO.  
 10/28/86  
 1555 SOUTH RAINBOW BLVD. LAS VEGAS, NEVADA 89102  
**G.C. WALLACE, INC.**  
 Engineering/Architecture  
 LEWIS HOMES OF NEVADA  
 LEWIS HOMES - RAINBOW VISTA NO.5  
 GRADING PLAN NOTES & DETAILS  
 SHEET 14 OF 14 SHEETS

