

**FLOOD ZONE**

FLOOD ZONE DESIGNATION "X" PER F.E.M.A. FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 320032150 D, AUGUST 16, 1995.

**BENCHMARK**

CITY OF LAS VEGAS VERTICAL CONTROL v.6-02  
RIVET & PLASTE IN CONCRETE BASE OF STEEL POWER POLE. (X433)  
STATION 9LV09  
26N6  
ELEVATION = 978.178 METERS (NAVOD88)  
3209.24 FEET  
PROJECT BENCHMARK = CLV BM

**CONSTRUCTION NOTES**

1. CONSTRUCT 3.5' SIDEWALK PER CC STD. DWG NO. 234
2. INSTALL 6" L-CURB & GUTTER PER SIS S-47
3. INSTALL TYPE "A" CURB PER SIS S-50
4. INSTALL 4" DIA. PVC SIDEWALK DRAIN PER DETAIL ON SHEET 5
5. INSTALL 3"x6" STL. TUBE SIDEWALK DRAIN PER J-4 SECTION
6. INSTALL 2" VALLEY GUTTER PER DETAIL K-4
7. INSTALL 8" VALLEY GUTTER PER SIS S-64
8. INSTALL CASE III SIDEWALK RAMP PER SIS S-77
9. INSTALL 4" VALLEY GUTTER PER DETAIL M-4
10. STAMP CONCRETE PER SIS S-54
11. INSTALL PEDESTRIAN ACCESS GATE AND 5" CONCRETE SIDEWALK
12. INSTALL PERFORATED PVC PIPE SEE STRUCTURAL PLANS & DETAILS

**CURVE TABLE**

| CURVE | DELTA     | RADIUS | LENGTH | TANGENT |
|-------|-----------|--------|--------|---------|
| C1    | 86°44'53" | 30.00  | 45.42  | 28.31   |
| C2    | 83°34'49" | 30.00  | 46.76  | 26.81   |

13. CONSTRUCT LEACH AREA 5'-W x 10' L x 3' DEEP PER GEOTECHNICAL RECOMMENDATION

**EARTHWORK QUANTITIES**

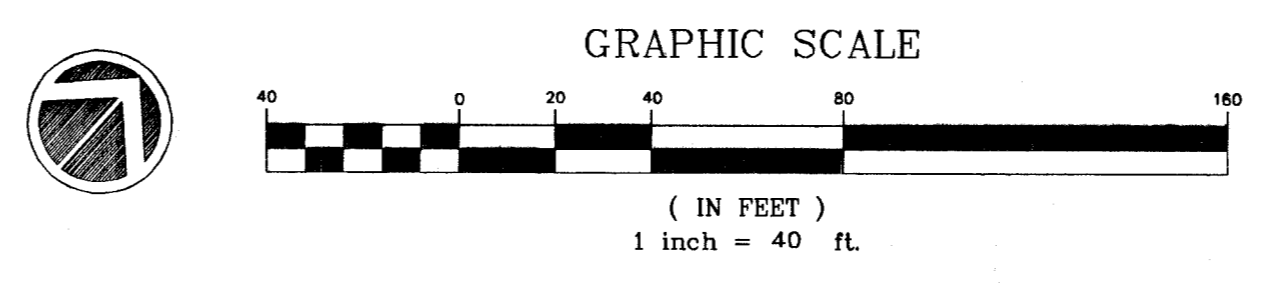
| CUT       | FILL      | NET      |
|-----------|-----------|----------|
| 26,018 CY | 19,138 CY | 6,880 CY |



**NOTICE TO CONTRACTOR!**  
EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

**CALL BEFORE YOU DIG**  
AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.  
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.  
CALL BEFORE YOU DO OVERHEAD.  
1-800-227-2600  
UNDERGROUND SERVICE (USA)  
CALL 1-702-593-6111

**BASIS OF BEARING**  
SOUTH 07°28'00" WEST BEING THE CHORD BEARING FROM THE INTERSECTION OF CARRIAGE HILL DRIVE AND FAR HILLS AVENUE TO THE PT ON CARRIAGE HILL DRIVE, 449.72' SOUTH, AS SHOWN ON THE PLAT OF THE VISTAS AT SUMMERLIN VILLAGE 20 UNIT NO. 2, BOOK 98 PAGE 11 IN THE OFFICE OF THE CLARK COUNTY NEVADA RECORDER.

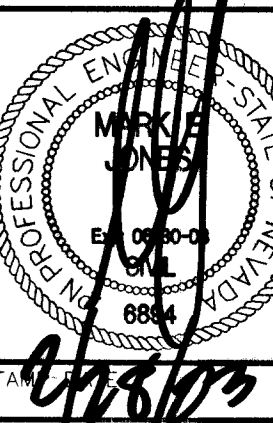


SUMMERLIN APPROVAL

GERALD M. ROBBINS DATE

CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE PLAN ON FILE AT THE CITY OF LAS VEGAS.  
DATE 02/15/03  
PE# 06894

| NO. | DATE | BY | APP'D. | REVISION DESCRIPTION                               |
|-----|------|----|--------|--|
| 1   |      |    |        | ADDED LEACH AREAS PER GEO-TECHNICAL RECOMMENDATION |
| 2   |      |    |        | REVISED PER STRUCTURAL PLANS & DETAILS             |
| 3   |      |    |        | REVISED PER STRUCTURAL PLANS & DETAILS             |



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Fax: (702) 648-4143  
SOUTHWEST ENGINEERING  
LAND PLANNING • MAPPING • DEVELOPMENT

**GRADING PLAN**  
**ALTESSA AT THE VISTAS**  
PACIFIC PROPERTIES  
CITY OF LAS VEGAS, NEVADA

PROJECT: ALTESSA AT THE VISTAS  
WORK ORDER NO.: 020426  
DESIGN BY: CP  
DATE: 02-15-03  
SCALE: 1"=40'  
CADFILE: pgrad  
SHEET 3 OF 6 SHEETS  
CLV DWG NO.: 107-V-3088