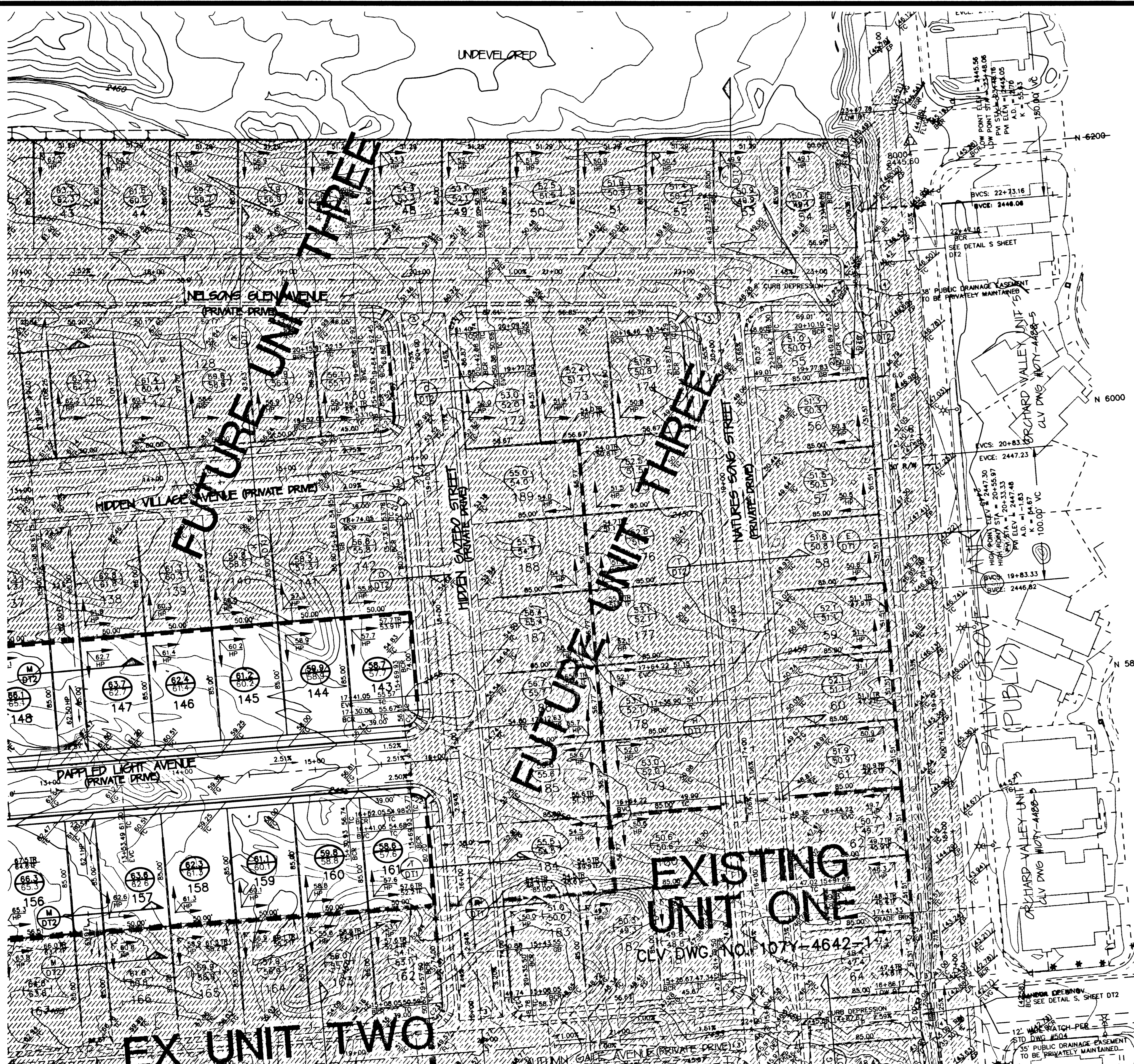


MATCHLINE SEE SHEET 4GP1



**CURVE DATA**

No.	Radius	Delta	Length	Tangent
C1	15.00	90.0000	23.56	15.00
C2	19.00	69.2744	3.14	1.57
C3	31.00	69.2744	5.12	2.57
C4	19.00	27.1531	9.04	4.61
C5	31.00	14.0210	7.59	3.82
C6	19.00	14.0210	4.65	2.34
C7	11.00	84.1530	16.18	9.95
C8	11.00	95.4430	18.38	12.16
C9	15.00	89.0309	23.51	14.75
C10	15.00	89.0309	23.81	15.25
C11	15.00	48.0651	12.60	6.70
C12	11.00	89.0309	17.10	10.62
C13	15.00	48.1309	12.10	6.40
C14	11.00	90.5651	17.46	11.18
C15	15.00	47.2529	10.84	5.67
C16	25.00	32.9512	16.09	8.33
C17	15.00	84.2350	22.10	13.60
C18	11.00	95.3610	18.35	12.13
C19	11.00	84.2350	16.20	9.97
C20	15.00	92.4810	13.81	7.44
C21	11.00	92.4810	18.20	11.88
C22	11.00	30.0000	19.28	11.88
C23	15.00	42.2220	11.09	5.81
C24	15.00	85.7720	22.31	13.79
C25	11.00	85.2041	16.39	10.14
C26	11.00	85.2041	13.57	7.29
C27	15.00	51.4919	13.57	7.29
C28	14.00	25.2225	6.20	3.15

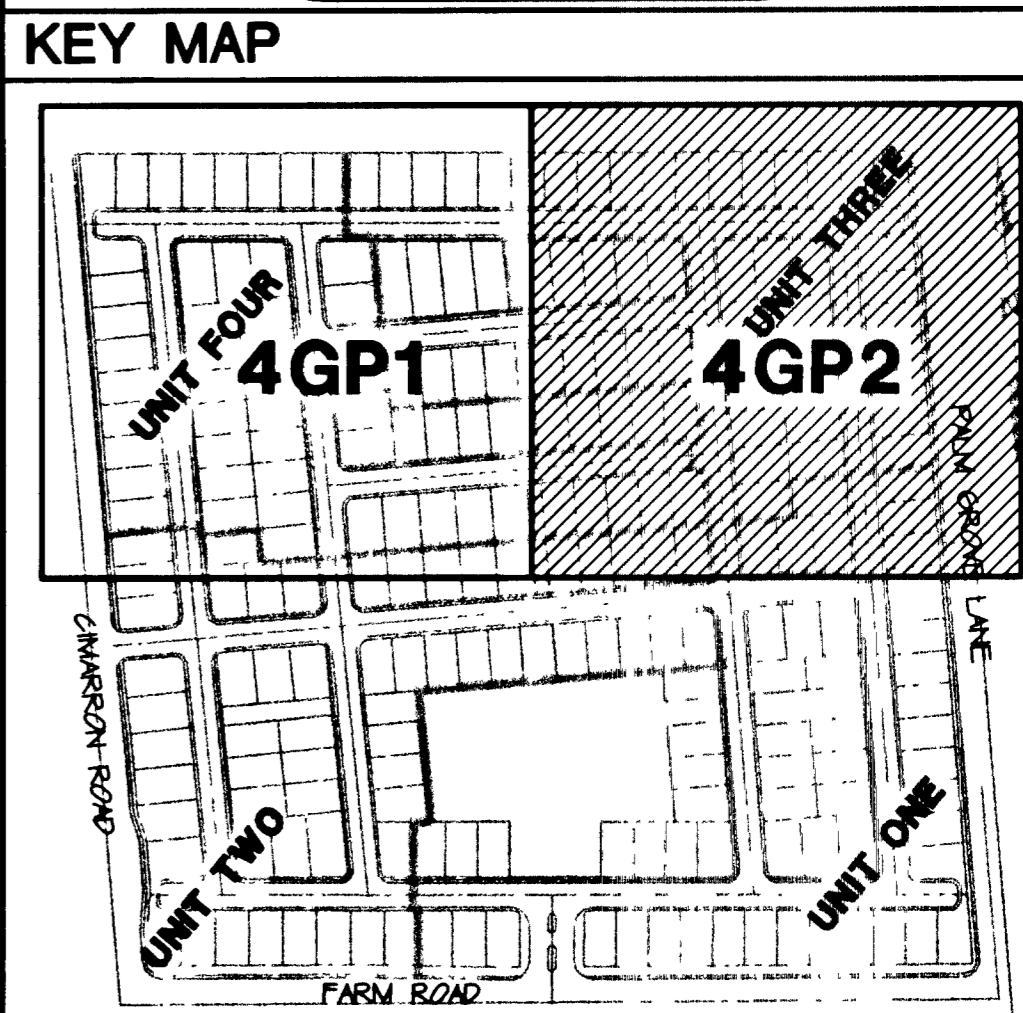
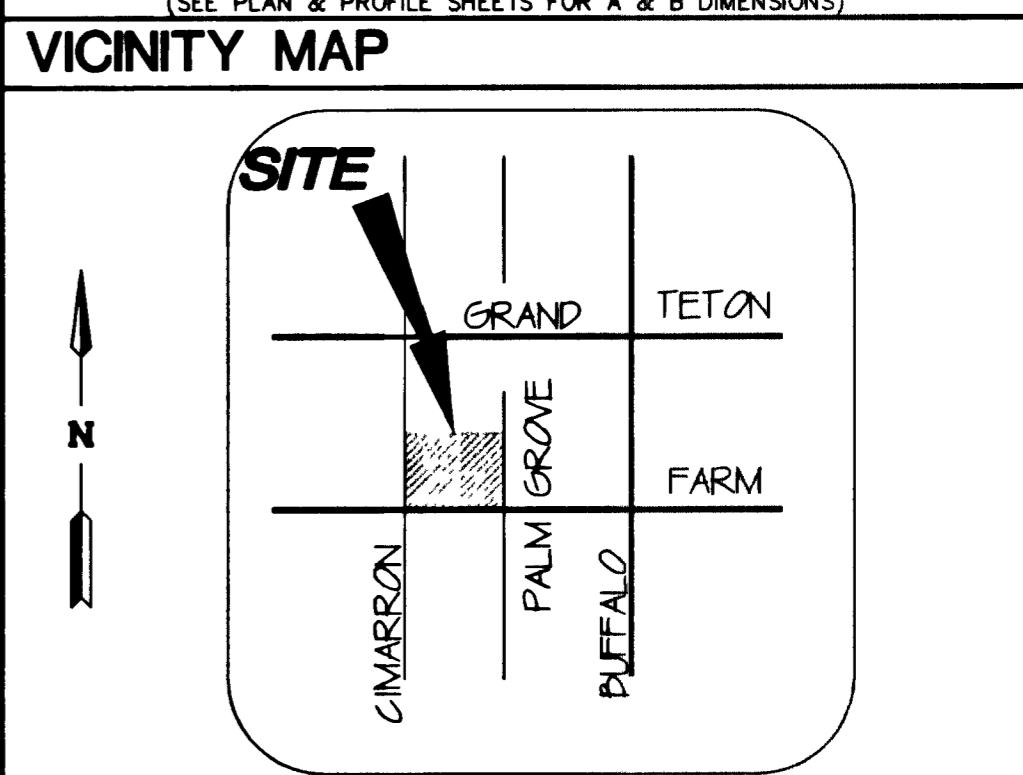
- GRADING NOTES**
- ALL GRADES SHOWN ARE .3 FEET BELOW ROUGH GRADE TO ALLOW FOR LANDSCAPING. EXCEPT TO, FL AND FG, WHICH ARE TO FINISH GRADE.
  - FINAL GRADES ADJACENT TO STRUCTURE AFTER LANDSCAPING SHALL BE 0.5 FEET BELOW FINISH FLOOR.
  - THE QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES.
  - THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER BEFORE BEGINNING WORK AND EASEMENT HAVE BEEN OBTAINED FROM THE OFFSITE OWNERS.
  - FINISH FLOOR ELEVATION IS TO BE 0.8 FOOT ABOVE PAD GRADE.
  - ALL LOTS ARE TO BE F.H.A. TYPE "A" DRAINAGE UNLESS OTHERWISE NOTED.
  - ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION.
  - ALL SLOPES ARE TO BE TWO FEET HORIZONTAL TO ONE FOOT VERTICAL UNLESS OTHERWISE NOTED.
  - SEE FINAL MAP FOR EXACT BEARINGS AND DISTANCES.
  - SEE PLAN AND PROFILE AND DETAIL SHEETS FOR STREET SECTIONS AND DETAILS.
  - ALL WORK PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENT HAVE BEEN OBTAINED FROM THE OFFSITE OWNERS.
  - ALL WORK PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL BE PERFORMED UNDER A SEPARATE ENCROACHMENT PERMIT ISSUED BY THE CONTROLLING AUTHORITY.
  - FINISH GRADE CONTOURS ARE INDICATED WITH TEXT INTERIOR TO BROKEN LINE.

**LINE DATA**

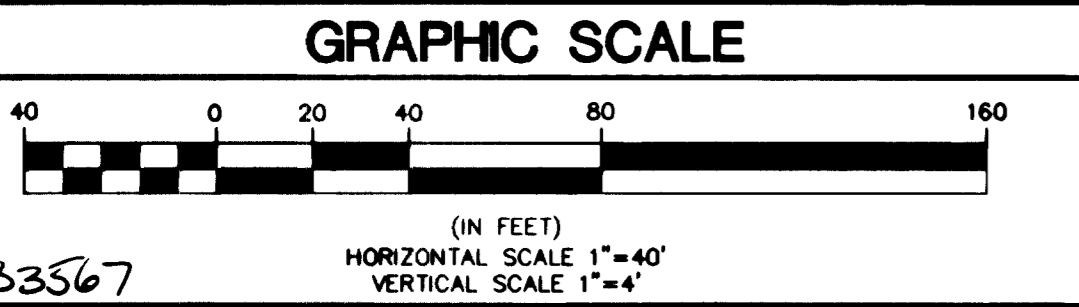
No.	Bearing	Distance
L1 N	04°55'00"	9.00
L2 N	84°55'19"	11.60
L3 S	85°04'00"	11.60
L4 S	85°04'00"	16.35
L5 S	85°04'00"	16.35
L6 N	84°55'39"	10.04
L7 S	85°04'00"	6.58

- LEGEND**
- FUTURE IMPROVEMENTS
  - EX. IMPROVEMENTS
  - BLOCK RETAINING WALL
  - BLOCK WALL
  - INDEX CONTOUR
  - INTERMEDIATE CONTOUR
  - A.C. SWALE
  - SCARP (2:1 MAX)
  - NOT A PART
  - FINISH FLOOR (77.6)
  - PAD GRADE (76.6)
  - TOP OF RETAINING WALL (TR)
  - TOP OF FOOTING (TF)
  - FINISH GRADE (FG)
  - FLOW LINE (FL)
  - GRADE BREAK (GB)
  - HIGH POINT (HP)
  - RIGHT OF WAY (R/W)
  - SLOPE (0.50%)
  - TOP OF CURB (TC)
  - BOLLARD, DETAIL U/SHEET DT2

- CONSTRUCTION NOTES**
- "L" TYPE CURB (UDS#216)
  - "A" TYPE ISLAND CURB (UDS#219)
  - VALLEY CUTTER (UDS#228)
  - SIDEWALK UNDERDRAIN (UDS#236)
  - SIDEWALK RAMP (UDS#235) CASE 1 (SEE PLAN & PROFILE SHEETS FOR A & B DIMENSIONS)



CLV DWG. NO. 107Y-4642-2



**BASIS OF BEARINGS**

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE EAST LINE OF THE NORTHEAST ONE-QUARTER OF SECTION 16, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. WHICH BEARS NORTH 00°19'37" EAST AS SHOWN IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER IN BOOK 79 OF PLATS ON PAGE 50.

**BENCHMARK**

CITY OF LAS VEGAS BENCHMARK No. 5 STATION 1LV90-16NW6 USC AND GS BM # U169. 764.7181 METERS (NAVD 88) 764.7181 x (3937/1200) = 2508.913 FEET (NAVD 88)

**DRAINAGE CERTIFICATION**

I CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS.

*Stephen F. Crevoiserat*  
STEPHEN F. CREVOISERAT, P.E. #13689

DATE: 07.10.01

**NOTICE!**

EXISTING UTILITIES ARE SHOWN ON PLANS FOR THE CONVIENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR SHOWN INCORRECTLY.

**Call Before You Dig**

1-800-227-2600  
UNDERGROUND SERVICE (USA)

PROFESSIONAL ENGINEER STATE OF NEVADA  
STEPHEN F. CREVOISERAT  
No. 13689

**CARINA CORPORATION**  
2880 BUSINESS PARK COURT, SUITE 210  
LAS VEGAS, NEVADA 89128  
(702) 158-6376

**ALPHA & ENGINEERING COMPANY**  
30 So. Jones #202, Las Vegas, NV, 89107  
Telephone: (702) 877-1300

**GRADING PLAN EAST**

**LAMPLIGHT VILLAGE AT CENTENNIAL SPRINGS UNIT 4**

SHEET 4 OF 17 SHEETS  
DRAWING NO. 107Y-4642-4

DATE: 07.05.01

DESIGNED BY: 07.05.01

CHECKED BY: 07.05.01

PROJECT NO: 9211-02

SCALE: 1"=40'