



GRADING NOTES

1. ALL GRADES SHOWN ARE .3 FEET BELOW FINISH GRADE TO ALLOW FOR LANDSCAPING; EXCEPT TC, FL, AND FG, WHICH ARE TO FINISH GRADE.
2. FINAL GRADES ADJACENT TO STRUCTURE AFTER LANDSCAPING SHALL BE 0.7 FEET BELOW FINISH FLOOR.
3. THE QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES.
4. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER BEFORE BEGINNING WORK.
5. FINISH FLOOR ELEVATION IS TO BE 1.0 FOOT ABOVE PAD GRADE.
6. ALL LOTS ARE TO BE F.H.A. TYPE "A" DRAINAGE.
7. ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION.
8. ALL SLOPES ARE TO BE TWO FEET HORIZONTAL TO ONE FOOT VERTICAL UNLESS OTHERWISE NOTED.
9. SEE FINAL MAP FOR EXACT BEARINGS AND DISTANCES.
10. SEE DETAIL SHEETS FOR STREET SECTIONS AND DETAILS.

LEGEND

- 10' CURB TRANSITION
- EXISTING IMPROVEMENTS
- MODIFIED "L" TYPE GUTTERLESS CURB
- PROPOSED BLOCK RETAINING WALL
- PROPOSED BLOCK WALL
- SLAB BREAK
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- SCARP
- SWALE
- SETBACK LINE
- LOT NUMBER
- BLOCK NUMBER
- FG FINISH GRADE
- FL FLOW LINE
- TC TOP OF CURB
- PAD GRADE

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

Edward F. Taney, P.E. #9903 DATE

BCR & CURVE DATA AT BACK OF CURB

No.	RADIUS	DELTA	LENGTH	TANGENT
C1	500.00	09°13'00"	81.62	42.93
C2	600.00	04°50'15"	42.80	21.41
C3	400.00	05°10'29"	36.13	18.08
C4	300.00	07°50'04"	41.11	23.59
C5	22.50	88°26'44"	34.73	21.90
C6	22.50	89°38'43"	35.20	22.36
C7	22.50	87°18'28"	34.27	21.44
C8	22.50	91°24'23"	35.90	23.08
C9	22.50	76°01'20"	29.85	17.59
C10	22.50	102°33'08"	40.21	23.46
C11	400.00	04°25'59"	30.95	15.48
C12	400.00	05°35'41"	39.06	19.54
C13	500.00	08°02'28"	69.87	34.92
C14	400.00	04°18'43"	30.10	15.08
C15	400.00	12°59'09"	90.66	45.52
C16	400.00	02°41'08"	18.72	9.38
C17	324.00	11°01'19"	62.33	31.28
C18	276.00	09°43'12"	46.82	23.47
C19	412.50	02°49'51"	11.61	5.82
C20	412.50	03°33'44"	26.85	12.83
C21	387.50	01°51'16"	12.54	6.27
C22	387.50	02°49'51"	19.12	9.48
C23	387.50	00°29'20"	3.31	1.65
C24	387.50	03°48'39"	23.51	12.78
C25	387.50	02°49'51"	19.12	9.48
C26	412.50	00°04'56"	0.59	0.30
C27	412.50	02°28'30"	17.58	8.79
C28	387.50	02°49'51"	13.83	6.92
C29	387.50	03°32'59"	24.01	12.01
C30	412.50	02°58'45"	21.45	10.73
C31	412.50	01°17'50"	3.35	1.67
C32	412.50	01°27'38"	10.52	5.28
C33	412.50	02°27'27"	17.69	8.85
C34	412.50	02°49'51"	2.84	1.42
C35	387.50	03°02'25"	20.56	10.28
C36	387.50	05°18'40"	35.89	17.88
C37	387.50	04°28'27"	30.84	15.02
C38	387.50	00°13'36"	1.53	0.77
C39	412.50	11°23'37"	82.03	41.15
C40	412.50	02°49'51"	29.61	14.80
C41	512.50	03°08'24"	27.79	13.90
C42	512.50	01°40'02"	14.81	7.48
C43	487.50	02°57'20"	18.06	9.03
C44	487.50	03°17'31"	28.01	14.01
C45	487.50	02°35'31"	22.05	11.03
C46	287.50	00°11'00"	0.92	0.46
C47	287.50	05°34'57"	28.01	14.02
C48	287.50	02°35'08"	20.46	10.23
C49	316.50	01°17'50"	2.80	1.40
C50	316.50	01°50'59"	10.22	5.11
C51	316.50	02°41'12"	12.36	6.18
C52	316.50	02°49'51"	3.74	1.87
C53	316.50	03°08'04"	28.04	14.02
C54	316.50	03°07'59"	28.00	14.01
C55	316.50	02°49'51"	23.64	11.82
C56	316.50	01°02'57"	11.22	5.61
C57	316.50	02°28'17"	27.83	13.92
C58	316.50	02°49'51"	4.62	2.31
C59	287.50	00°37'39"	6.41	3.21
C60	287.50	01°08'19"	16.80	8.40
C61	287.50	01°49'23"	13.80	6.90
C62	287.50	01°08'19"	9.39	4.70
C63	287.50	03°13'09"	30.29	15.14
C64	287.50	02°28'08"	21.01	10.51
C65	287.50	02°31'18"	18.90	9.45
C66	287.50	00°00'00"	30.00	30.00
C67	287.50	01°51'26"	12.56	6.28
C68	287.50	00°49'42"	5.60	2.80
C69	412.50	02°41'08"	19.33	9.67

LINE DATA TABLE

No.	BEARING	DISTANCE
L1	N28°45'36"W	4.12
L2	N30°19'56"W	10.00
L3	N25°34'06"W	4.83
L4	S28°27'11"E	8.29
L5	S38°00'07"E	3.79
L6	N31°26'44"W	4.50
L7	N36°52'43"W	6.03
L8	S30°10'02"E	10.71
L9	S52°40'51"W	9.40
L10	N23°20'30"W	7.29
L11	S65°59'59"W	11.84
L12	S31°20'54"E	5.87
L13	N31°20'54"E	9.22
L14	S33°56'09"E	11.30

SIDEWALK RAMP DATA CASE 1 RAMP

RAMP #	A	B	SLOPE
1	8.0'	8.0'	1.83%
2	4.5'	9.5'	-2.90%
3	15.0'	4.5'	4.43%
4	8.0'	8.0'	0.34%
5	4.5'	9.5'	-2.60%
6	4.5'	12.0'	-3.09%
7	9.5'	4.5'	2.31%
8	4.5'	9.5'	-2.51%
9	4.5'	12.0'	-3.63%
10	8.0'	8.0'	-1.80%

NOTICE!
 OTHER UTILITIES ARE SHOWN ON PLANS FOR THE CONSIDERANCE OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES.

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	2/17/96	AW	REMOVED SIDE WALK

APPROVED

EDWARD F. TANEY, P.E. #9903

ALPHA ENGINEERING COMPANY

ROUGH GRADING PLAN

SUNSET MESA - UNIT 2

JOB # N5-76-20

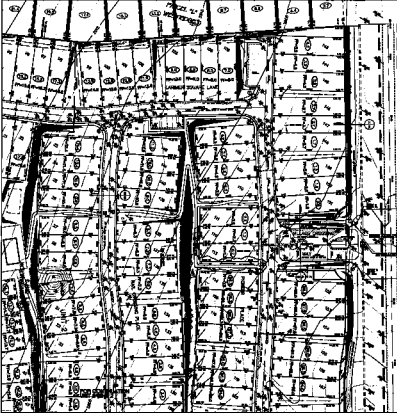
NAME VERTREES/LDB/MAD

DATE 1/18/96

SCALE 1" = 30'

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- GRADING NOTES**
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- LEGEND**
- 1. 1" = 10' HORIZONTAL
 - 2. 1" = 10' VERTICAL
 - 3. 1" = 10' CURVE RADIUS
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ALPHA

ROUGH GRADING PLAN

STATIONARY MASS - SHEET 2

11-29-53

1074-4447-2