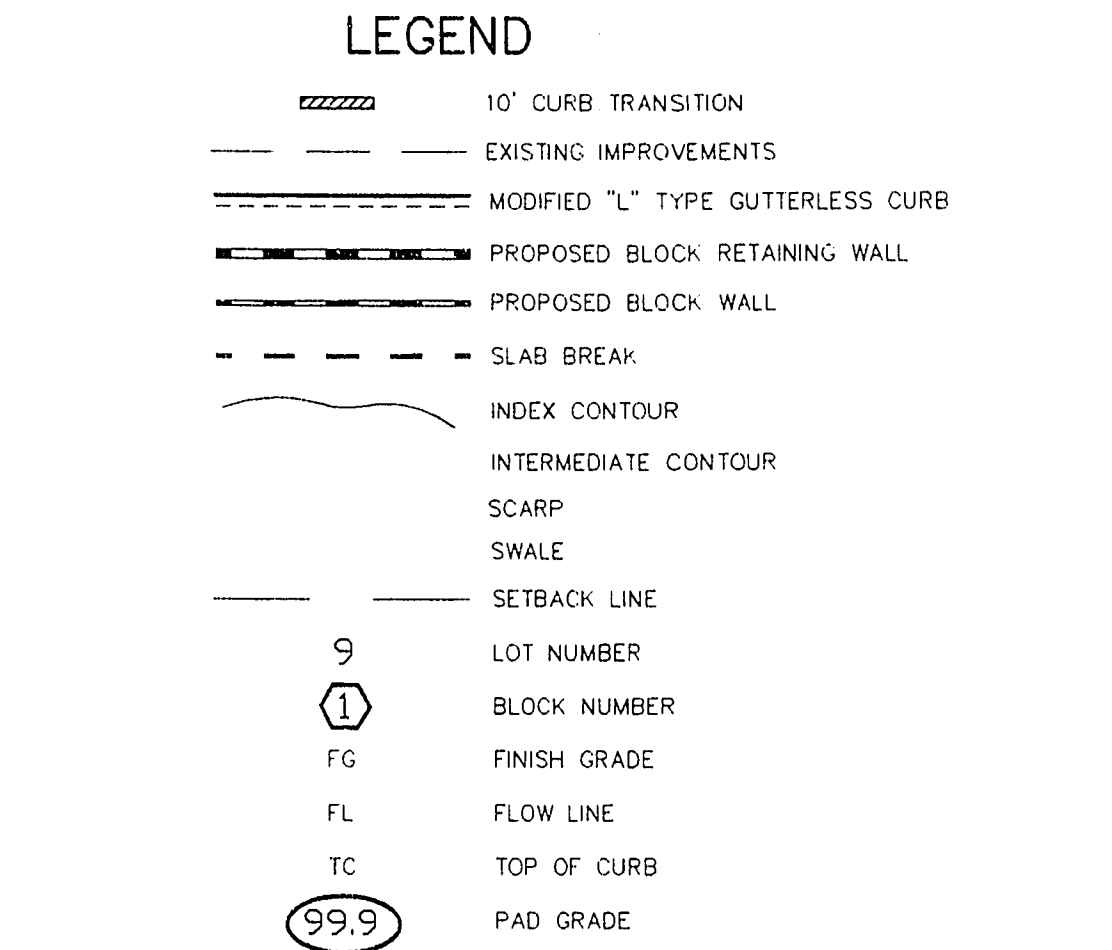




- ### GRADING NOTES
- ALL GRADES SHOWN ARE 3 FEET BELOW FINISH GRADE TO ALLOW FOR LANDSCAPING, EXCEPT TC, FL, AND FG, WHICH ARE TO FINISH GRADE.
 - FINAL GRADES ADJACENT TO STRUCTURE AFTER LANDSCAPING SHALL BE 0.7 FEET BELOW FINISH FLOOR.
 - THE QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES.
 - THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER BEFORE BEGINNING WORK.
 - FINISH FLOOR ELEVATION IS TO BE 1.0 FOOT ABOVE FAD GRADE.
 - ALL LOTS ARE TO BE F.H.A. TYPE "A" DRAINAGE.
 - 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 DETAIL SHEETS FOR STREET SECTIONS AND DETAILS.



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

Edward F. Taney
EDWARD F. TANEY #E. #9903 DATE

BCR & CURVE DATA AT BACK OF CURB

No.	RADIUS	DELTA	LENGTH	TANGENT
C1	200.00	09 21'09"	81.62	40.90
C2	400.00	04 29'58"	42.80	21.41
C3	400.00	05 10'29"	36.13	18.06
C4	300.00	07 51'04"	42.80	21.41
C5	22.50	88 28'44"	34.73	21.50
C6	22.50	89 38'43"	35.20	22.36
C7	22.50	87 14'08"	34.22	21.45
C8	22.50	91 24'23"	35.90	23.06
C9	22.50	76 01'20"	29.85	17.59
C10	22.50	102 23'09"	40.21	27.84
C11	400.00	04 23'59"	30.95	15.48
C12	400.00	05 38'41"	39.69	19.84
C13	300.00	08 00'25"	69.87	34.93
C14	400.00	04 18'43"	30.19	15.06
C15	400.00	12 59'09"	69.60	34.52
C16	400.00	02 41'08"	18.75	9.38
C17	324.00	11 01'19"	62.33	31.28
C18	276.00	09 43'12"	46.82	23.42
C19	412.50	01 36'45"	11.61	5.80
C20	412.50	03 33'44"	25.85	12.93
C21	387.50	01 51'16"	12.54	6.27
C22	387.50	02 48'53"	19.15	9.58
C23	387.50	02 29'29"	17.31	8.65
C24	387.50	03 48'39"	25.51	12.76
C25	387.50	02 37'20"	14.18	7.09
C26	412.50	02 04'56"	10.59	5.30
C27	412.50	02 28'30"	17.58	8.79
C28	387.50	02 02'42"	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 17'55"	6.35	3.17
C32	412.50	01 27'38"	10.52	5.26
C33	412.50	02 27'27"	17.69	8.85
C34	412.50	02 23'38"	16.84	8.42
C35	387.50	03 02'23"	20.56	10.28
C36	387.50	03 33'44"	25.85	12.93
C37	387.50	04 28'27"	30.03	15.02
C38	387.50	00 13'36"	2.53	1.13
C39	412.50	11 24'37"	62.03	31.02
C40	512.50	03 13'59"	28.92	14.46
C41	512.50	03 08'24"	29.79	14.89
C42	512.50	03 08'24"	29.79	14.89
C43	487.50	02 27'22"	18.06	9.03
C44	487.50	03 31'41"	28.01	14.01
C45	487.50	02 35'31"	22.05	11.03
C46	287.50	00 11'00"	0.94	0.46
C47	287.50	03 34'27"	28.01	14.01
C48	287.50	02 05'08"	10.48	5.23
C49	316.50	03 43'53"	20.60	10.40
C50	316.50	01 50'59"	10.22	5.11
C51	316.50	02 14'12"	12.36	6.18
C52	316.50	02 28'30"	17.58	8.79
C53	512.50	03 08'24"	28.01	14.01
C54	512.50	03 08'24"	28.01	14.01
C55	512.50	03 38'36"	33.64	16.82
C56	612.50	01 02'57"	11.22	5.61
C57	612.50	02 11'16"	12.63	6.32
C58	612.50	02 28'07"	14.65	7.33
C59	587.50	02 37'32"	14.41	7.21
C60	587.50	01 16'00"	5.80	2.90
C61	587.50	01 42'25"	10.70	5.35
C62	587.50	01 39'19"	9.79	4.89
C63	487.50	03 33'40"	30.28	15.14
C64	487.50	02 28'08"	21.01	10.51
C65	487.50	02 11'16"	12.63	6.32
C66	30.00	90 00'00"	47.12	30.00
C67	387.50	01 50'29"	12.56	6.28
C68	387.50	01 44'42"	11.80	5.90
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°34'08" W	4.93
L4	S28°27'11" E	8.39
L5	S39°00'07" E	3.79
L6	N31°28'44" W	4.50
L7	N35°52'43" W	6.53
L8	S30°17'42" E	10.71
L9	S52°40'51" W	9.45
L10	N33°29'30" W	7.29
L11	S55°39'59" W	11.84
L12	S31°20'54" E	5.97
L13	N31°02'54" W	9.22
L14	S33°56'05" E	11.50

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: EXISTING UTILITIES ARE SHOWN ON PLANS FOR THE CONVICTION OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES BEFORE YOU BEGIN WORK. CALL 800-227-2600 FOR UTILITY INFORMATION.

REVISIONS

NO.	DATE	BY	APPROVED

ALPHA ENGINEERING COMPANY
50 S. JOHN #102, LAS VEGAS, NV 89107
Telephone: (702) 877-1300

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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