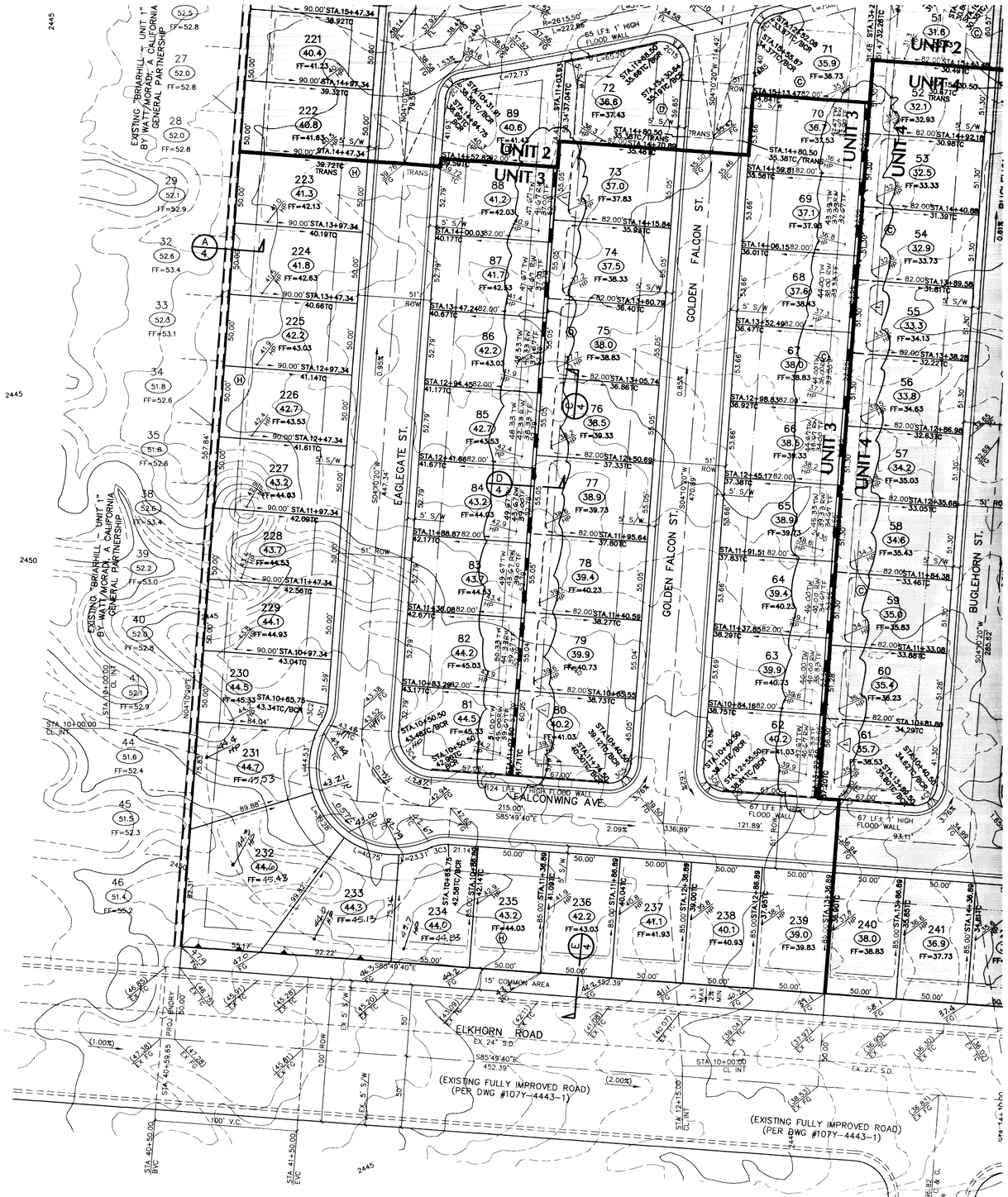
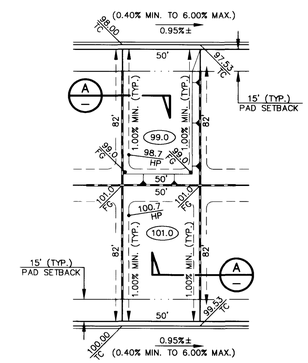


DESIGN ELEVATION NOTE:

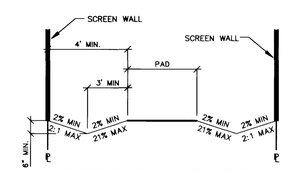
– ADD 2400' TO ALL DESIGN ELEVATIONS

UNIT 3 CURVE DATA TABLE

CURVE	RADIUS	LENGTH	TANGENT	DELTA
3C1	25.00'	12.18'	6.21'	27°54'20"
3C2	61.00'	7.37'	3.69'	06°55'23"
3C3	25.00'	12.18'	6.21'	27°54'20"
3C4	25.00'	39.27'	25.00'	90°00'00"
3C5	15.00'	23.56'	15.00'	90°00'00"
3C6	15.00'	23.56'	15.00'	90°00'00"



TYPICAL LOT DRAINAGE
N.T.S.



TYPICAL LOT DRAINAGE SECTION 'A'
SCALE: N.T.S.

LEGEND

	UNIT LINE
	EXISTING GRADE CONTOUR
( )	EXISTING ELEVATION
1.00%	RATE & DIRECTION OF FLOW
	LOT DRAINAGE SWALE
	SCARP (2' HOR. TO 1' VERT.) UNLESS OTHERWISE NOTED
	ROUGH PAD ELEVATION
GB	GRADE BREAK
TC	TOP OF CURB ELEVATION
FL	FLOWLINE ELEVATION
FG	FINISH GRADE ELEVATION
	BUILDING SETBACK LINE
FF = 00.00	FINISH FLOOR ELEVATION
HP	SWALE HIGH POINT
BVC	BEGIN VERTICAL CURVE
EVC	END VERTICAL CURVE
	CENTER LINE
47	LOT NUMBER
(D)	BLOCK LETTER
	FLOOD WALL (1ST 2 ROWS OF BLOCK ABOVE TOP OF CURB FULLY GROUTED)

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

BENCHMARK

PROJECT DATUM=NGVD29 NO. 14 STATION 1LV9021N6 3" BRASS CAP USC & GS BM #113 3/4 MILE NORTH OF 1LV9028NNE6 50' FT. EAST OF OLD RAILROAD BED.
ELEVATION = 2452.515
EQUATION ELEVATION = 2452.515+2.401'=2454.916
(TO NAVD88) (747.5266M=0.7318M=748.2584M)

BASIS OF BEARING

THE BEARING ALONG THE CENTERLINE OF ELKHORN ROAD BETWEEN CIMARRON ROAD AND BUFFALO DRIVE AS SHOWN IN ELKHORN SPRINGS – UNIT NO. 1 MAP IN BOOK 60, PAGE 72, OF PLATS ON FILE AT THE COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

BEARING NORTH 85°49'40" WEST

PROFESSIONAL ENGINEER – STATE OF NEVADA
RICHARD T. CHAMBERS
3/7/96
CIVIL
No. 4706

RICHARD T. CHAMBERS PE NO 4706

NOTICE TO CONTRACTOR !

EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APROXIMATE 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.

AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.
CALL before you Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

SEE PLAN & PROFILES FOR H/C RAMP DATA

SEE SHEET 4 OF 7 FOR GRADING NOTES & DETAILS

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

Donald W. Mad 6-22-96
PE# DATE

NO.	DATE	BY	APP'D	REVISION DESCRIPTION
1	4/3/96	RGM	DWM	REDRAWING VARILS & GRADES

PROFESSIONAL ENGINEER – STATE OF NEVADA
DONALD W. MADL
CIVIL
No. 6763
STAMP DATE 6-22-96

SOUTHWEST ENGINEERING
LAND PLANNING • MAPPING • DEVELOPMENT
5426 W. VEGAS DRIVE
LAS VEGAS, NEVADA 89108
(702) 648-9700

TITLE: GRADING PLAN
PROJECT: NORTHERN LIGHTS at ELKHORN SPRINGS
UNIT 3

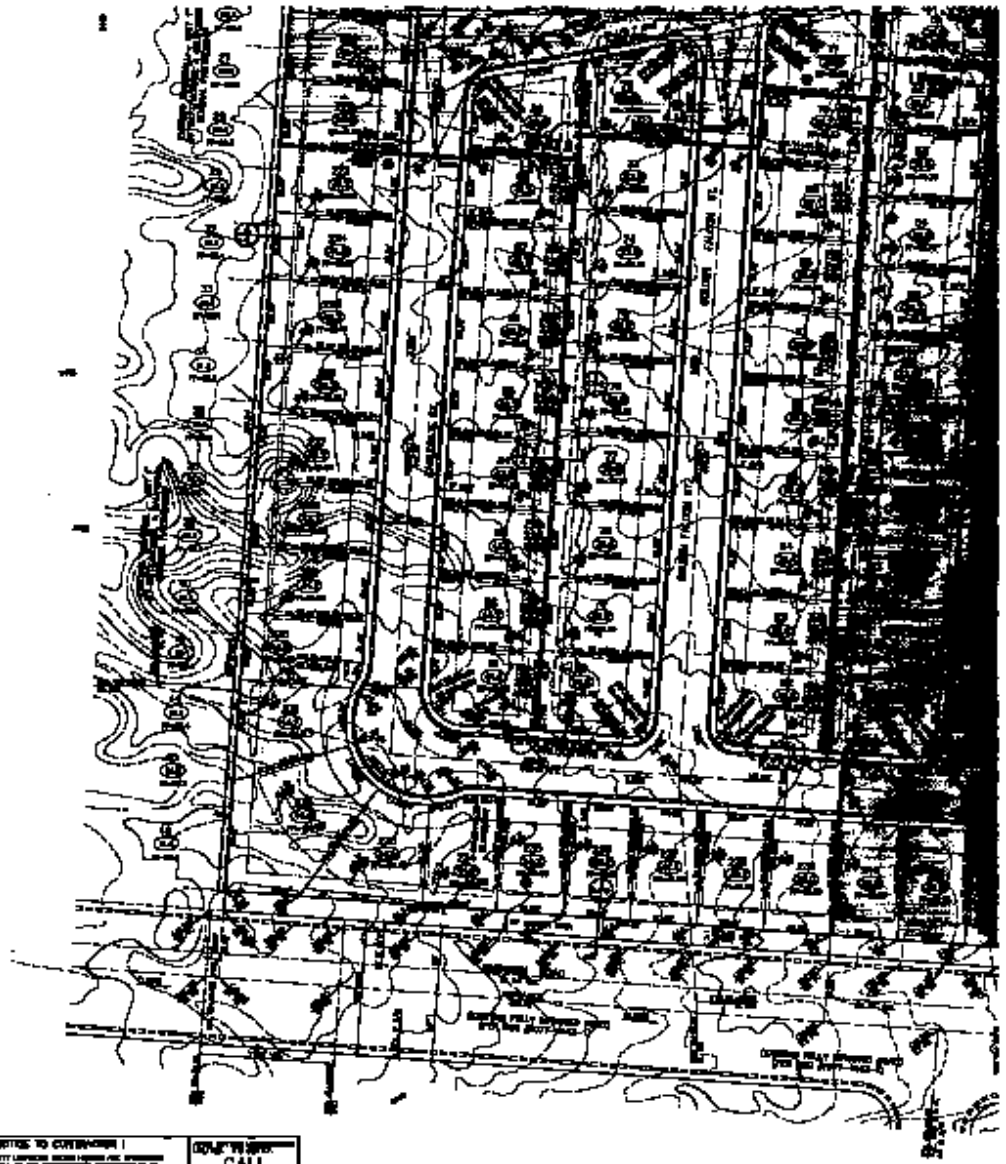
WORK ORDER NO: 950925.3
DESIGN BY: C.M./M.J./S.G.
DATE: 3/25/96
SCALE: 1" = 40'
CADFILE: NL-GRAD.DWG
SHEET 2 OF 7 SHEETS

8292

11-30-92

107Y-4460-3

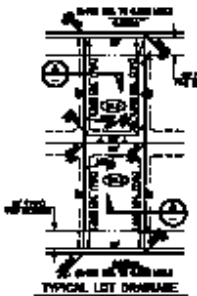
G:\SEL\KPROJ\950925\DWG\NL-GRAD Sat Jun 22 11:48:10 1996 S. GROVES



DESIGN ELEVATION NOTE:

UNIT 3 CURVE DATA TABLE

LEGEND



TYPICAL LOT DRAINAGE

TYPICAL LOT DRAINAGE

GRAPHIC SCALE

BENCHMARK

BASIS OF BEARING

NOTICE TO CONTRACTOR !

CALL before you Dig

GRADING PLAN

NORTHERN LIGHTS at ELKHORN SPRINGS

UNIT 3

11-30-92