



DESIGN ELEVATION NOTE:
 - ADD 2400' TO ALL DESIGN ELEVATIONS

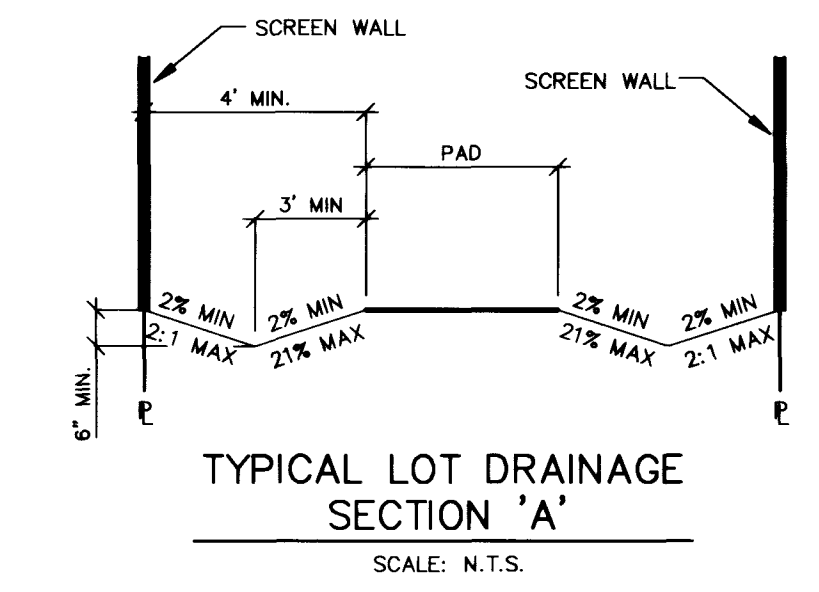
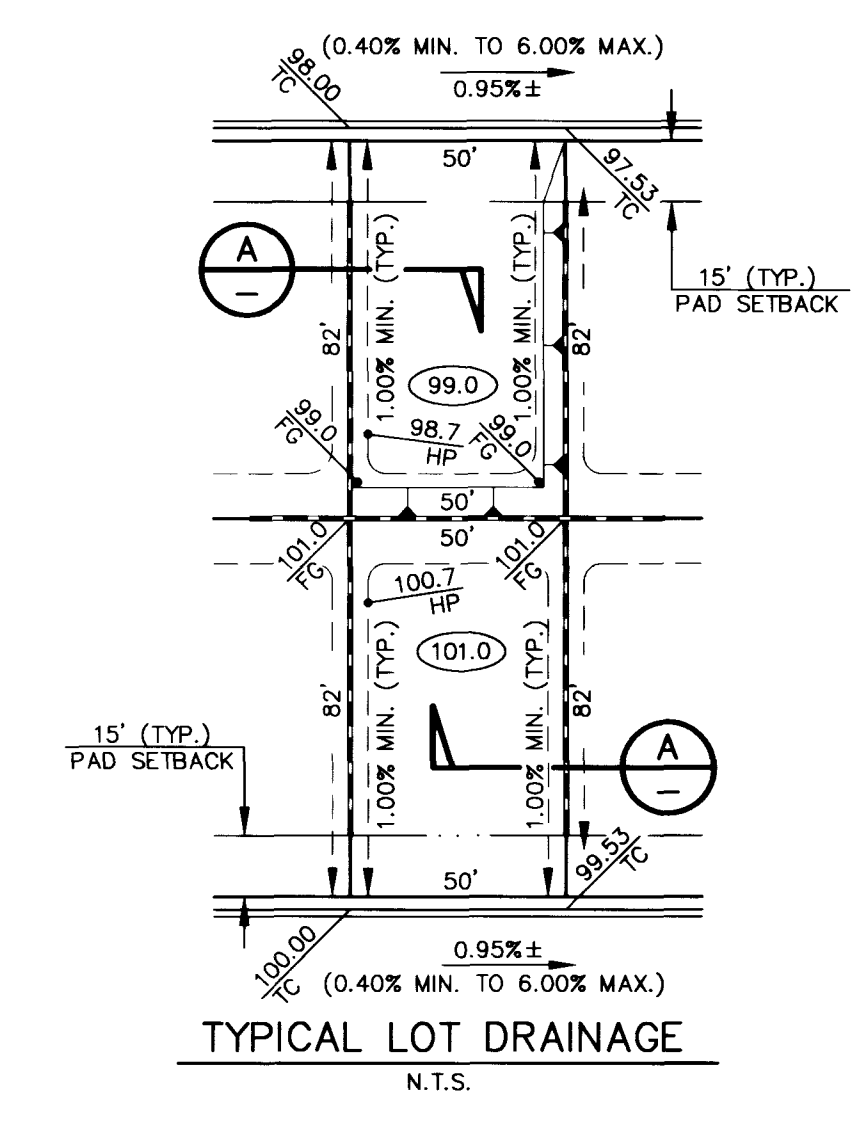
UNIT 1 LINE DATA TABLE

LINE	DIRECTION	DISTANCE
TL1	N68°06'55"E	6.04'
TL2	N04°10'20"E	15.49'

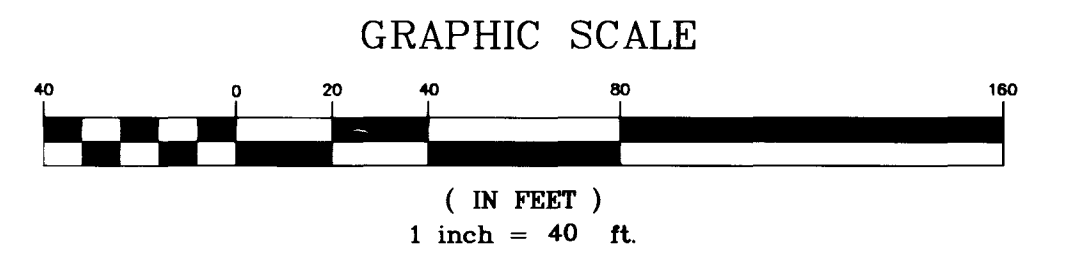
UNIT 1 CURVE DATA TABLE

CURVE	RADIUS	LENGTH	TANGENT	DELTA
IC1	20.00'	31.42'	20.00'	90°00'00"
IC2	15.00'	23.56'	15.00'	90°00'00"
IC3	745.00'	15.92'	7.96'	01°13'27"
IC4	655.00'	13.99'	7.00'	01°13'27"
IC5	1855.00'	1.00'	0.50'	00°01'51"
IC6	1945.00'	1.04'	0.52'	00°01'51"
IC7	75.00'	12.44'	6.35'	28°30'01"
IC8	61.00'	4.15'	2.07'	03°53'47"
IC9	61.00'	0.87'	0.43'	00°48'55"
IC10	25.00'	12.18'	6.21'	27°34'20"
IC11	15.00'	27.95'	20.18'	106°44'57"
IC12	25.00'	31.37'	18.13'	71°53'31"
IC13	1000.00'	16.23'	8.11'	00°55'47"
IC14	604.00'	13.47'	6.74'	01°16'41"
IC15	15.00'	23.56'	15.00'	90°00'00"
IC16	15.00'	23.56'	15.00'	90°00'00"
IC17	15.00'	23.56'	15.00'	90°00'00"
IC18	15.00'	19.34'	11.28'	73°52'39"
IC19	15.00'	23.18'	14.62'	88°31'29"
IC20	20.00'	26.36'	15.49'	75°31'21"
IC21	20.00'	5.05'	2.54'	142°28'39"

LEGEND



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



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 CMARRON 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

EARTHWORK ESTIMATE

CUT = 72,800 CY± FILL = 40,800 CY±

SEE PLAN & PROFILES FOR H/C RAMP DATA
 SEE SHEET 6 OF 13 FOR GRADING NOTES & DETAILS

"I CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS"
 [Signature]
 DATE: 3/25/96

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.

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

REVISION DESCRIPTION

NO.	DATE	BY	APP'D	DESCRIPTION

PROFESSIONAL ENGINEER - STATE OF NEVADA
 [Signature]
 CIVIL
 EXPIRES 12/31/96
 STAMP DATE: 3-22-96

SOUTHWEST ENGINEERING
 LAND PLANNING • MAPING • DEVELOPMENT
 5426 W. VEGAS DRIVE
 LAS VEGAS, NEVADA 89108
 (702) 448-9700

GRADING PLAN
NORTHERN LIGHTS at ELKHORN SPRINGS
 UNIT 1

TITLE: _____
 PROJECT: _____
 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 13 SHEETS

6: NS25KPROJ\950925\DMG\NL-GRAD Sat Jun 22 11:31:10 1996 S. BROOKS

3449 11-30-64 107Y-4460-1

