

CURVE TABLE				CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	TANGENT	CURVE	RADIUS	LENGTH	DELTA	TANGENT
C1	2300.50	94.99	221.57	47.50	C100	50.00	22.67	255.28	11.53
C2	2320.00	618.71	1516.48	311.20	C101	49.00	43.17	384.72	17.25
C3	2329.50	684.71	2794.20	424.36	C102	48.00	48.47	412.50	18.00
C4	7.50	23.56	180.00	INFINITE	C103	30.00	47.20	90.00	30.08
C5	1025.50	104.08	548.52	52.09	C104	30.00	47.05	89.51	29.92
C6	444.50	85.86	1194.01	43.06	C105	50.00	22.67	255.28	11.53
C7	444.50	85.86	1194.01	43.06	C106	50.00	19.88	224.35	10.07
C8	444.50	33.61	419.52	16.81	C107	49.00	5.70	64.01	2.85
C9	20.00	15.91	447.57	8.17	C108	50.00	22.67	255.28	11.53
C10	1019.50	103.94	530.20	51.96	C109	50.00	22.67	255.28	11.53
C11	399.50	10.20	127.44	5.10	C110	49.00	59.12	680.72	33.75
C12	49.00	26.17	305.15	13.41	C111	20.00	16.68	474.82	8.96
C13	49.00	27.82	330.74	14.21	C112	50.00	22.67	255.28	11.53
C14	49.00	22.27	262.07	11.33	C113	49.00	47.50	553.21	25.80
C15	49.00	29.10	322.23	15.18	C114	50.00	9.55	105.48	4.79
C16	30.00	27.82	330.74	14.21	C115	50.00	22.67	255.28	11.53
C17	20.00	15.91	454.21	8.40	C116	49.00	20.03	232.28	10.16
C18	19.50	13.60	397.23	7.49	C117	50.00	22.67	255.28	11.53
C19	40.50	31.80	237.00	13.12	C118	39.50	35.60	623.02	17.82
C20	40.50	60.71	853.04	37.69	C119	20.00	31.42	90.00	20.00
C21	40.50	16.27	230.22	8.25	C120	30.00	46.64	80.00	29.52
C22	20.00	15.91	447.57	8.17	C121	20.00	15.91	454.21	8.40
C23	50.00	13.11	150.40	6.59	C122	20.00	31.42	90.00	20.00
C24	49.00	23.11	85.29	45.28	C123	20.00	31.42	90.00	20.00
C25	50.00	17.11	193.60	8.64	C124	20.00	31.42	90.00	20.00
C26	280.50	137.82	2809.06	70.33	C125	444.50	38.86	500.32	19.44
C27	319.50	26.29	442.52	13.15	C126	20.00	31.08	89.02	19.67
C28	319.50	84.21	1536.03	42.35	C127	319.50	88.17	936.02	44.70
C29	319.50	84.21	1536.03	42.35	C128	20.00	31.42	90.00	20.00
C30	30.00	19.31	365.21	10.00	C129	500.00	86.82	950.02	43.02
C31	50.00	2.79	371.53	1.40	C130	20.00	14.45	412.35	7.56
C32	49.00	86.03	673.01	32.98	C131	49.50	62.48	679.05	31.34
C33	49.00	57.64	672.54	32.68	C132	399.50	173.71	2454.45	88.25
C34	419.50	85.61	1141.32	42.95	C133	20.00	33.47	95.22	22.17
C35	419.50	85.61	1141.32	42.95	C134	405.50	181.13	2535.95	92.10
C36	419.50	70.05	934.01	35.11	C135	20.00	15.85	452.50	8.37
C37	49.00	5.62	634.02	2.81	C136	1019.50	87.38	454.30	43.72
C38	49.00	47.29	567.22	24.67	C137	399.50	61.57	446.00	40.81
C39	200.00	15.91	454.21	8.40	C138	1000.00	181.56	1044.47	84.06
C40	380.50	81.87	1350.04	46.16	C139	425.00	216.25	4178.02	113.06
C41	380.50	108.81	1623.01	54.78	C140	2300.50	175.81	670.29	33.75
C42	380.50	76.78	1133.32	38.33	C141	280.50	64.37	1308.56	37.33
C43	49.00	29.17	347.61	15.07	C142	300.00	216.25	4178.02	113.06
C44	49.00	27.82	330.74	14.21	C143	419.50	62.48	679.05	31.34
C45	30.00	48.05	82.01	99.99	C144	400.00	283.51	4202.41	153.72
C46	2300.50	96.24	224.48	48.13	C145	20.00	31.42	90.00	20.00
C47	2300.50	96.16	224.42	48.09	C146	20.00	15.91	447.57	8.17
C48	2339.50	70.39	131.17	32.98	C147	20.00	31.42	90.00	20.00
C49	2339.50	90.08	212.22	45.04	C148	7.50	23.56	180.00	INFINITE
C50	2339.50	90.01	212.15	45.01	C149	7.50	23.56	180.00	INFINITE
C51	50.00	16.68	193.60	8.41	C150	7.50	23.56	180.00	INFINITE
C52	49.00	45.81	533.41	24.74	C151	30.00	19.31	365.21	10.00
C53	49.00	19.44	224.94	9.85	C152	20.00	27.82	330.74	14.21
C54	2663.50	90.01	156.11	45.01	C153	2300.50	175.81	670.29	33.75
C55	2624.50	90.00	157.54	45.01	C154	2300.50	175.81	670.29	33.75
C56	30.00	45.37	86.38	28.29	C155	2339.50	49.07	1011.02	24.54
C57	2624.50	90.06	157.54	45.04	C156	14.50	44.25	30.00	20.00
C58	2663.50	90.02	156.11	45.02	C157	49.00	24.20	281.81	12.35
C59	2663.50	90.11	156.20	45.07	C158	30.00	25.02	474.45	13.29
C60	2663.50	47.17	130.53	23.92					
C61	22.00	15.13	392.02	7.88					
C62	20.00	16.63	473.52	8.83					
C63	40.50	20.21	283.23	10.32					
C64	25.00	6.12	143.02	3.08					
C65	25.00	6.12	143.02	3.08					
C66	25.00	4.13	92.74	2.07					
C67	25.00	4.13	92.74	2.07					
C68	25.00	4.13	92.74	2.07					
C69	50.00	41.32	472.13	21.92					
C70	19.50	16.83	492.73	8.98					
C71	30.00	19.31	365.21	10.00					
C72	19.50	16.83	492.73	8.98					
C73	19.50	16.83	492.73	8.98					
C74	30.00	47.13	800.35	30.01					
C75	105.00	33.30	1810.20	16.79					
C76	25.00	30.17	181.42	15.21					
C77	19.50	16.83	492.73	8.98					
C78	40.50	68.37	864.32	45.56					
C79	19.50	16.83	492.73	8.98					
C80	61.00	86.69	812.48	52.50					
C81	22.00	16.14	420.46	8.45					
C82	475.50	71.66	838.06	35.94					
C83	2344.50	103.00	333.17	62.51					
C84	2619.50	128.21	248.16	64.12					
C85	50.00	22.28	250.46	11.32					
C86	50.00	6.01	47.53	3.01					
C87	49.00	53.15	623.40	29.53					
C88	20.00	30.17	86.26	18.79					
C89	2624.50	111.84	102.96	53.93					
C90	2663.50	47.28	130.01	23.64					
C91	2644.00	458.86	956.37	230.01					
C92	50.00	22.67	255.28	11.53					
C93	50.00	23.14	263.16	11.78					
C94	49.00	21.20	244.29	10.77					
C95	20.00	14.40	413.55	7.53					
C96	2339.50	108.18	102.96	54.10					
C97	20.00	15.91	447.57	8.17					
C98	20.00	15.91	447.57	8.17					
C99	50.00	22.67	255.28	11.53					

ACCEPTED

CIVIL ENGINEERING DIVISION
CLARK COUNTY DEVELOPMENT SERVICES

DATE: _____

BY: _____

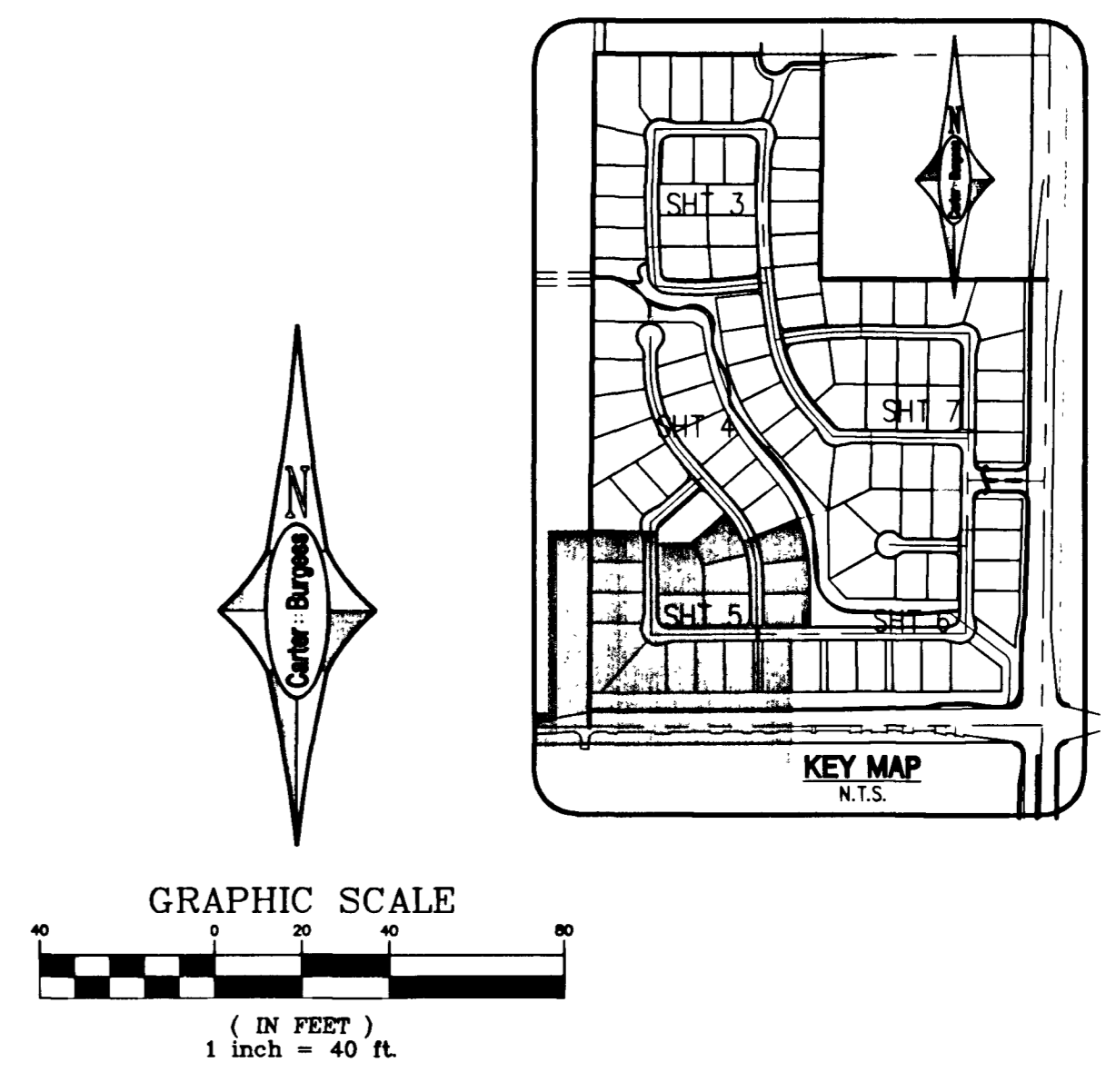
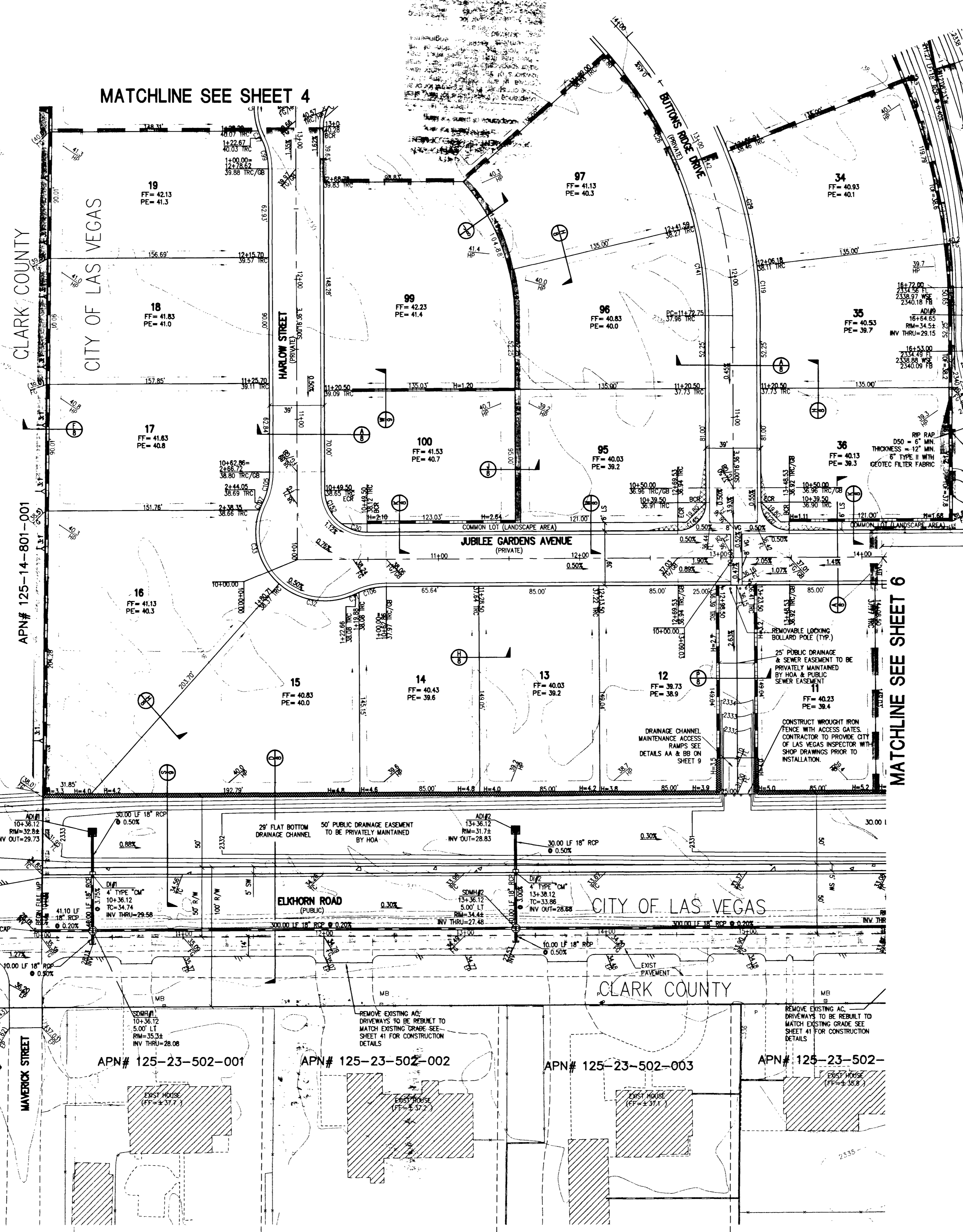
ACCEPTANCE OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF STATE, COUNTY OR FEDERAL LAW SPECIFICATIONS OR THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

CLARK COUNTY DEPARTMENT OF DEVELOPMENT SERVICES

Acceptance of plans for filing shall not be construed to be a permit for or an approval of any violation of any of the provisions of the state or county laws and/or specifications. Clark County shall hold free from damages which may result from the construction of the improvements from the engineering design depicted herein.

NOTES: Power poles and/or other existing facilities not in proper location based on proposed improvements shown herein will be relocated at no expense to Clark County.

61035



GRAPHIC SCALE
(IN FEET)
1 inch = 40 ft.

BASIS OF BEARING:
S89°57'29"E - BEING THE NORTH LINE OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 14, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, COUNTY OF CLARK, STATE OF NEVADA, AS SHOWN ON THAT CERTAIN RECORD OF SURVEY RECORDED IN FILE 109 OF SURVEYS ON PAGE 51, OFFICIAL RECORDS OF SAID COUNTY AND STATE.

PRIVATE FLOOD IMPROVEMENTS:

- GROUTED SCREEN WALL 5,947 LF
- RETAINING WALL 5,102 LF
- FLOOD WALL 228 LF
- REINFORCED TURF 24,435 SY
- RIP RAP 15,894 SY
- DROP INLETS 9 EA
- STORM DRAIN MANHOLES 11 EA
- AREA DRAIN INLETS 15 EA
- 18" RCP 4,251 SF
- 32" x 50" SQUASH RCP 1183 SF

NOTE:

- ALL COMMON LOTS (LANDSCAPE AREA) TO BE PRIVATELY MAINTAINED BY HOA.
- SEE SHEET 10 FOR STORM DRAIN MANHOLE SCHEDULE.
- SEE SHEET 7 FOR CURVE TABLE.

PRIVATE STREET NOTE:

ALL PRIVATE STREETS ARE P.U.E. PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY HOA.

GEOTECHNICAL REPORT:

ALL GRADING SHALL CONFORM TO THE SOILS REPORT, GEOTECHNICAL EXPLORATION REPORT BY:

OWENS GEOTECHNICAL, INC.
4490 WEST HAGENDA AVE., SUITE 104
LAS VEGAS, NV 89118
TEL: 702-873-3478
PROJECT NO.: E-02-178
DATED: OCTOBER 5, 2002

VERTICAL CURVE TABLE

200' VC	HIGH POINT ELEV = 2338.62
	HIGH POINT STA = 15+11.80
	PM STA = 15+13.50
	PV STA = 2339.34
	A.D. = -2.87
	K = 69.60
181.38' VC	HIGH POINT ELEV = 2337.48
	HIGH POINT STA = 14+62.14
	PM STA = 14+46.31
	PV STA = 2338.30
	A.D. = -3.72
	K = 48.79
100.00' VC	HIGH POINT ELEV = 2340.13
	HIGH POINT STA = 11+52.85
	PM STA = 11+52.84
	PV STA = 2340.26
	A.D. = -1.00
	K = 99.88
156.55' VC	HIGH POINT ELEV = 2338.57
	HIGH POINT STA = 10+91.20
	PM STA = 10+99.25
	PV STA = 2340.50
	A.D. = -9.97
	K = 15.71
83.80' VC	PM STA = 14+33.72
	PV STA = 2335.12
	A.D. = 1.90
	K = 44.09

GENERAL NOTES:

- SEE SHEET 2 FOR ADDITIONAL NOTES, LEGEND AND QUANTITY ESTIMATE.
- SEE SHEET 11 - 18 FOR UTILITY LOCATIONS.
- SEE SHEET 9 - 10 FOR CONSTRUCTION DETAILS.
- SEE KEY MAP FOR SIGHT VISIBILITY ZONE GEOMETRICS.
- THE CONTRACTOR SHALL VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES AND SURFACE FEATURES PERTINENT TO THIS PROJECT PRIOR TO CONSTRUCTION. THE CONTRACTOR MUST NOTIFY THE DESIGN ENGINEER IF ANY DISCREPANCIES ARE ENCOUNTERED.
- CONSTRUCTION SHALL COMPLY WITH SOILS REPORT E-02-088 PREPARED BY: GEOTECH, INC.-NEVADA DATED: JUNE 4, 2002.
- ESTIMATED EARTHWORK QUANTITIES:
CUT: 44,000 CY
FILL: 124,000 CY

DRAINAGE STUDY NOTE:

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT.

Paulo E. Chavez 11/25/03
PAULO E. CHAVEZ, P.E. ND 5788 DATE

DISCLAIMER NOTE:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD 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.

CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

Call before you Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

Call before you Overhead
1-702-593-6111
NEVADA SAFETY SERVICES DEPARTMENT

U.S. HOME
3016 WEST CHARLESTON BLVD. STE. 200
LAS VEGAS, NEVADA 89102-1963
702.877.9800

ELKHORN / JONES U.S. HOME

Carter-Burgess
Consultants in Planning, Engineering, Construction Management, and Related Services
6655 Bermuda Road
Las Vegas, NV 89119
(702) 968-5400 Fax (702) 968-5454

GRADING PLAN 3

DRAWN BY: RCG
DESIGNED BY: TMG
CHECKED BY: PEC

PROJECT NO: 240987
SCALE: AS NOTED HORIZ.
AS NOTED VERT.

SHEET 5 OF 44 SHEETS
DRAWING NO. 1074783

NOV 25 2003
PAULO E. CHAVEZ
CIVIL ENGINEER
NO. 15788