



NOTE:
ALL ON-SITE STORM DRAIN SYSTEMS ARE PRIVATELY OWNED AND MAINTAINED BY PARK OWNER

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

Bert A. Hughes
BERT A. HUGHES R.P.E. 10259
7/7/00
DATE

BASIS OF BEARING
N 01°12'43" E IS BASED ON THE NEVADA STATE GRID SYSTEM (EAST ZONE) AS DETERMINED FROM THE TRIANGULATION POINTS "RED ROCK" TO "LOVE MOUNTAIN"

BENCHMARK
RIVET & PLATE IN TOP OF CURB, NE RETURN OF CHARLESTON BLVD. AND HUALAPAI WAY (N7) (LVD9-365E5)
2909 769 NGVD 1929 DATUM
2912 24 NAVD 1988 DATUM (887 6503 M)
*2910 05 SUMMERLIN DATUM
* THIS PROJECT BASED ON SUMMERLIN DATUM

POOL AREA DRAIN SYSTEM

ITEM NO.	DESCRIPTION	NORTHING	EASTING	PIPE	PIPE SIZE	PIPE LENGTH	PIPE SLOPE	PIPE BEARING
1	JUNCTION BOX	N: 518139.76	E: 573848.41	P1	10"	100.43'	0.5%	S 09°07'16" W
2	AREA DRAIN	N: 518119.57	E: 573866.14	P2	10"	28.23'	0.5%	N 44°27'05" W
3	TRENCH BOTTOM OUTLET	N: 518088.71	E: 573994.40	P3	10"	55.95'	3.8%	N 32°34'55" E
4	AREA DRAIN	N: 518052.80	E: 573872.80	P4	8"	61.00'	0.5%	N 03°59'31" W
5	AREA DRAIN	N: 517998.35	E: 573877.30	P5	8"	64.61'	0.9%	N 03°59'31" W
6	AREA DRAIN	N: 517951.28	E: 573940.23	P6	8"	76.90'	0.7%	N 60°54'07" E
7	AREA DRAIN	N: 517996.19	E: 574025.05	P7	4"	66.93'	2.8%	N 40°12'21" W
8	AREA DRAIN	N: 51806.24	E: 574134.8	P8	8"	85.47'	0.5%	N 70°54'31" W
9	TRENCH OUTLET	N: 518011.69	E: 573916.00	P9	8"	69.74'	0.7%	N 08°02'52" E
10	TRENCH	N: 518166.43	E: 574090.30	P10	4"	45.75'	0.7%	N 62°00'38" E
11	NDOT INLETS	N: 518240.50	E: 57384.00	P11	8"	12.00'	5.8%	S 06°08'00" E
12	AREA DRAIN	N: 518239.23	E: 574010.65	P11	8"	12.00'	5.8%	S 06°08'00" E

* INSTALL C900 PVC WITH 4" ENCASEMENT OF CEMENT SLURRY BACKFILL UNDER RETAINING WALL FOOTING