

M.H. #	TOP OF MH	N. INV. EL.	S. INV. EL.	E. INV. EL.	W. INV. EL.	NORTHING	EASTING	COMMENTS
1	2611.1±	---	2601.44	---	---	13954.8706	12162.7897	PUBLIC
2	2613.2±	---	---	2605.18	---	13854.6305	12016.1374	PUBLIC
3	2612.1±	2602.04	2602.24	2602.24	2602.24	13854.7853	12163.0017	PUBLIC
4	2612.2±	---	---	---	2603.03	13855.3176	12294.8597	PUBLIC
5	2613.2±	---	---	---	2603.62	13757.3179	12295.1013	PUBLIC
6	2613.0±	2602.63	2602.83	2602.83	2602.83	13756.7856	12163.2433	PUBLIC
7	2613.3±	---	---	2605.77	---	13756.6308	12016.3810	PUBLIC
8	2613.0±	---	---	2606.36	---	13658.6311	12016.6226	PUBLIC
9	2611.5±	2603.22	2603.42	2603.42	2603.42	13658.7859	12163.4848	PUBLIC
10	2611.7±	---	---	---	2604.21	13659.3182	12295.3428	PUBLIC
11	2609.8±	---	---	---	2601.87	13561.3185	12295.6844	PUBLIC
12	2609.5±	---	2600.88	2601.08	2601.08	13560.7862	12163.7264	PUBLIC
13	2612.5±	---	---	2604.02	---	13560.6314	12016.8641	PUBLIC
14	2610.7±	---	---	2603.82	---	13462.6317	12017.1057	PUBLIC
15	2607.5±	2599.41	2599.21	2599.41	2599.41	13462.7865	12163.9679	PUBLIC
16	2607.8±	---	---	---	2600.73	13463.3188	12295.8259	PUBLIC
17	2606.0±	---	---	---	2599.06	13365.3190	12296.0675	PUBLIC
18	2605.8±	2597.74	2597.54	2597.74	2597.74	13364.7868	12164.2095	PUBLIC
19	2608.9±	---	---	2602.15	---	13364.6320	12017.3472	PUBLIC
20	2604.9±	2596.56	2596.36	2596.56	---	13266.7743	12164.4510	PUBLIC
21	2603.3±	---	---	---	2597.35	13267.3194	12296.3128	PUBLIC
22	2605.1±	2596.20	2596.00	---	2596.20	13226.6076	12164.5506	PUBLIC
23	2603.8±	2595.76	2595.56	2595.76	---	13169.0393	12182.8000	PUBLIC
24	2604.4±	---	---	---	2597.47	13169.3197	12296.5580	PUBLIC
25	2604.0±	2595.37	2595.17	---	2595.37	13123.4187	12169.1671	PUBLIC
26	2605.7±	---	---	2598.93	---	13123.0674	12026.6607	PUBLIC
27	2603.0±	2594.96	2594.76	2594.96	---	13071.0098	12169.2963	PUBLIC
28	2603.3±	---	---	---	2597.51	13071.2833	12296.7997	PUBLIC
29	2602.7±	2594.52	2594.32	---	2594.52	13011.4119	12169.4432	PUBLIC
30	2605.7±	---	---	2599.51	---	13011.0712	12026.9368	PUBLIC
31	2602.6±	2594.17	2593.97	2594.17	---	12973.0060	12169.5578	PUBLIC
32	2602.7±	---	---	---	2596.72	12973.3203	12297.0411	PUBLIC
33	2602.2±	2593.73	2593.53	---	2593.73	12913.4193	12167.6847	PUBLIC
34	2605.2±	---	---	2598.72	---	12913.0681	12027.1784	PUBLIC
35	2602.0±	2593.40	2593.20	2593.40	---	12875.0063	12169.7794	PUBLIC
36	2602.2±	---	---	---	2595.95	12875.3205	12297.2785	PUBLIC
37	2597.2±	---	---	---	2593.82	12816.2721	12312.9246	PUBLIC
38	2601.3±	2592.96	2592.76	2592.96	2592.96	12815.9202	12169.9250	PUBLIC
39	2599.5±	2592.13	---	---	---	12659.1972	12170.3113	PUBLIC
40	2611.3±	---	---	2605.02	---	12795.3509	11736.4707	PUBLIC
41	2609.4±	2601.57	---	---	2601.77	12795.4913	11801.5524	PUBLIC
42	2609.4±	2600.07	---	2599.87	2600.07	12815.0630	11824.4261	PUBLIC
43	2611.0±	2600.83	2600.63	2600.83	---	1272		

ITEM #	DESCRIPTION	QUANTITY	
		PUBLIC	PRIVATE
1	48 " DIA MANHOLE	55 EA	---
2	8" SEWER CAP	---	---
3	10" SEWER MAIN	LF	---
4	8" SEWER MAIN	5,960 LF	---
5	4" PVC SEWER LATERAL	---	3,014 LF

ITEM #	DESCRIPTION	QUANTITY	
		PUBLIC	PRIVATE
1	8" x 6" TEE	12 EA	----
2	8" GATE VALVE	6 EA	----
3	6" 45° BEND	2 EA	----
4	6" CAP AND BLOWOFF ASSEMBLY	29 EA	----
5	FIRE HYDRANT ASSEMBLY	12 EA	----
6	1" IRRIGATION METER WITH 1" RPPA	3 EA	----
7	8" 90° BEND	2 EA	----
8	12" x 8" MECHANICAL TAPING TEE	1 EA	----
9	10" x 8" MECHANICAL TAPING TEE	1 EA	----
10	6" 45° BEND	2 EA	----
11	6" 22 1/2° BEND	2 EA	----
12	6" 90° BEND	2 EA	----
13	1" MVR 30 METER AND 1" COPPER LATERAL	200 EA	----
14	6" TEE	3 EA	----
15	8" TEE	1 EA	----
16	8" x 6" REDUCER	3 EA	----
17	8" x 6" CROSS	6 EA	----
18	8" x 8" CROSS	1 EA	----
19	6" WATERLINE	3,866 LF	----
20	8" WATERLINE	2,147 LF	----
21	10" WATERLINE	32 LF	----
22	12" WATERLINE	135 LF	----

ITEM #	DESCRIPTION	QUANTITY	
		PUBLIC	PRIVATE
1	4" TYPE CURB AND GUTTER	1050 LF	5,850 LF
2	CROSS GUTTER	1500 SF	500 SF
3	5' SIDEWALK	5,500 SF	---
4	HANDICAP RAMP	8 EA	---
5	2" ASPHALTIC CONCRETE PAVING	9,000 SY	---
6	CONCRETE PRIVATE DRIVE	---	60,000 SF
7	4" ASPHALTIC CONCRETE PAVING	4,000 SY	---
8	TYPE I AGGREGATE BASE	CY	CY
9	TYPE II AGGREGATE BASE	2,500 CY	CY
10	POWER TO LOTS	200 EA	EA
11	TELEPHONE TO LOTS	200 EA	EA
12	STREETLIGHT	19 EA	---
13	GAS TO LOTS	200 EA	EA
14	CABLE TO LOTS	200 EA	EA
15	RIP RAP	100 CY	EA
16	BOLLARDS	3 EA	---
17	STREET / STOP SIGNS	30 EA	EA
18	WROUGHT IRON FENCE	25 LF	EA

~~SOUTH 00°13'40" EAST BEING THE WEST LINE OF THE
NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST
QUARTER (NW 1/4) OF SECTION 20, TOWNSHIP 19
SOUTH, RANGE 80 EAST, M.D.M., CITY OF LAS VEGAS,
CLARK COUNTY, NEVADA AS SHOWN FILE 25, PAGE 44
OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S
OFFICE, CLARK COUNTY, NEVADA~~

NORTH 89°54'17" EAST, BEING THE SOUTH LINE OF THE
SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST
QUARTER (NW 1/4) OF SECTION 20, TOWNSHIP 19
SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY,
NEVADA AS SHOWN IN FILE 118 OF SURVEYS AT PAGE
89, OFFICIAL RECORDS, COUNTY OF CLARK, STATE OF
NEVADA

CITY OF LAS VEGAS VERTICAL CONTROL POINT "8LV90
18SES", BEING A RIVET PLATE IN A CONCRETE CYLINDER
NORTHWEST CORNER OF ELKHORN AND FORT APACHE.

ELEVATION: 2675 26 (FEET)
815.4214 (METERS)

CITY OF LAS VEGAS VERTICAL CONTROL BASED ON
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

~~CITY OF LAS VEGAS BENCHMARK - 2C90-20W4~~
~~REBAR ±124 FT. NORTHEAST OF DEER SPRINGS AND~~
~~FORT APACHE~~
~~ELEVATION = 806.867 METERS (NAVD88)~~
~~ELEVATION = 2647.20 FEET (NAVD88)~~

Avoid cutting underground utility lines. It's costly. Call before you Dig 1-800-227-2600 UNDERGROUND SERVICE (USA)	Avoid overhead power line contact. Call before you Overhead 1-702-593-6111 NEVADA POWER ENVIRONMENT SAFETY SERVICES DEPARTMENT	FOR HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS STREET LIGHT SYSTEMS CONSULTANTS CALL BEFORE YOU GO UNDERGROUND UnderGround 1-702-455-7511 1-702-229-6611
---	---	---

T **THOMASON**
C **CONSULTING**
E **ENGINEERS**

3161 E. WARM SPRINGS ROAD, SUITE 200
LAS VEGAS, NEVADA 89120
702-932-6125 FAX: 702-932-6129

RICHMOND AMERICAN HOMES
WHITNEY HEIGHTS
QUANTITIES AND MANHOLE SCHEDULE


 2.10.05
 SHEET
C4
 4 OF 33
 DRAWING NO
 10744858