

CLARK COUNTY
TRAFFIC AND ELECTRICAL NOTES

1. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
2. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY GROUND MOUNTED STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING COUNTY STREETS IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
3. ALL CONSTRUCTION SIGNING, BARRICAADING AND PAVEMENT MARKINGS SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK - 1986" AND TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION.
4. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE COUNTY TRAFFIC MANAGER.
5. THE DEVELOPER SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CLARK COUNTY AREA STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGNS SHALL USE TYPE III SHEETING. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH CLARK COUNTY AREA STANDARDS.
6. IF A PROPOSED STREET LIGHT STANDARD IS FIELD LOCATED TO WITHIN FIVE (5) FEET OF ANY SIGN SHOWN HEREON TO BE MOUNTED ON A SIGN POST, THEN CHANGE SIGN MOUNTING TO ONE ON THE STREETLIGHT STANDARD.
7. PRIOR TO CONSTRUCTION, THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE CURRENT PLANNING DIVISION OF THE DEPARTMENT OF COMPREHENSIVE PLANNING.
8. ALL TRAFFIC SIGNAL POLE ASSEMBLIES, STEEL PEDESTALS FOR CABINETS, AND STREET LIGHT POLES SHALL BE GALVANIZED PER ASTM A 123.
9. ALL STREET LIGHTING INSTALLATIONS EXCEPT AS NOTED ON THE STREET LIGHTING PLANS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, LATEST EDITION OF EACH.
10. THE FOLLOWING CLARK COUNTY UNDERGROUND FACILITIES MAY BE LOCATED IN YOUR PROJECT AREA: STREET LIGHTING, TRAFFIC SIGNALS, LAS VEGAS AREA COMPUTER TRAFFIC SYSTEM (LVACTS) INTERCONNECT CABLE. YOU MUST CONTACT CLARK COUNTY TRAFFIC MANAGEMENT DIVISION, OPERATIONS UNIT AT 455-7511 FOR LOCATIONS AT LEAST 48 HOURS PRIOR TO WORKING IN THE AREA. CLARK COUNTY IS NOT A MEMBER OF "CALL BEFORE YOU DIG" (UNDERGROUND SERVICE ALERT), AND A CALL TO THAT ORGANIZATION DOES NOT RELIEVE YOU OF LIABILITY FOR CLARK COUNTY FACILITIES.
11. LVACTS INTERCONNECT CABLE POLICY IS IN EFFECT. INTERCONNECT CABLE MUST BE MAINTAINED AT ALL TIMES. DEVELOPER/CONTRACTOR SHALL PROVIDE TEMPORARY OVERHEAD INTERCONNECT CABLE WHILE PERMANENT CABLE IS BEING RELOCATED. TEMPORARY AERIAL INSTALLATION MUST BE ACCEPTABLE TO THE COUNTY TRAFFIC MANAGER AND TO LVACTS. ANY DAMAGE TO THIS CABLE IS DEEMED AN EMERGENCY BY LVACTS. CITY OF LAS VEGAS, CLARK COUNTY AND NDOT AND MUST BE REPAIRED IMMEDIATELY TO LVACTS' ACCEPTANCE. \$2,500 PER DAY DAMAGES MAY BE ASSESSED AFTER 24 HOURS HAS ELAPSED FROM TIME OF BREAK OR DAMAGE.
12. ALL NEW OR REPLACEMENT TRAFFIC SIGNAL LOOPS SHALL BE INSTALLED USING CABLE-IN-DUCT WIRING. SHALL HAVE INDEPENDENT LEAD-IN WRES FOR EACH LOOP FROM THE CONTROLLER TO THE PULL-BOX, AND EACH LEAD-IN SHALL BE INDIVIDUALLY TAGGED.
13. TRAFFIC SIGNAL PEDESTRIAN HEADS SHALL BE LED.
14. ELECTRICAL POWER SERVICE POINT LOCATION(S) FOR STREET LIGHTING AND TRAFFIC SIGNALS MUST BE INDICATED ON THE PLANS. IF CONNECTING TO AN EXISTING CIRCUIT, INDICATE LOCATION OF EXISTING SERVICE POINT FOR EACH CIRCUIT.
15. WHEN STREET LIGHTS ARE TO BE CONNECTED TO AND EXISTING CIRCUIT, THE ENGINEER MUST CERTIFY THAT THE EXISTING CIRCUIT IS CAPABLE OF HANDLING THE ADDITIONAL CIRCUIT LOAD.
16. CLARK COUNTY RESERVES THE RIGHT TO REJECT STREET LIGHT AND TRAFFIC SIGNAL POLES AND ASSEMBLIES WHICH HAVE A "STRIPED" APPEARANCE.
17. PRIOR TO BEGINNING OF CONSTRUCTION, MODIFICATION, OR RELOCATION OF ANY TRAFFIC SIGNAL SYSTEM, WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION OF THE DATE THAT WORK WILL BEGIN.
18. THREE (3) NORMAL WORKING DAYS PRIOR TO TURN-ON OR COMPLETION OF MODIFICATION(S) TO A TRAFFIC SIGNAL SYSTEM, WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION THAT WORK IS BEING COMPLETED AND THE PROPOSED DATE OF COMPLETION.

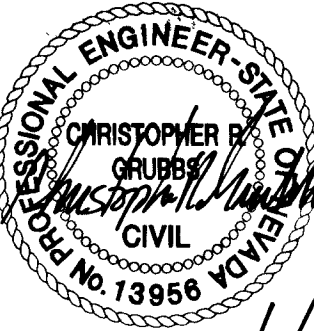
QUANTITY ESTIMATE

PROJECT 6018-1 EL CAPITAN O'HARE UNIT 1 ACRES ____ ±
LOCATION O'HARE AVENUE AND EL CAPITAN WAY
NUMBER OF LOTS 60 CALCULATED BY ____ CHECKED BY ____

ITEM	DESCRIPTION	PUBLIC QUANTITY	PRIVATE QUANTITY
1	4" SEWER SERVICE LATERALS TO LOTS	0 LF	1,551.00 LF
2	8" SEWER	3,011.00 LF	0 LF
3	10" SEWER	0 LF	0 LF
4	SEWER	0 LF	0 EA
5	SEWER MANHOLES UNDER 6 FEET	0 EA	0 EA
6	SEWER MANHOLES OVER 6 FEET	16 EA	0 EA
7	SEWER MANHOLE ADJUSTMENTS	0 EA	0 EA
8	8" WATER MAIN	0 LF	0 LF
9	8" WATER MAIN	3,010.00 LF	0 LF
10	10" WATER MAIN	617.00 LF	0 LF
11	16" WATER MAIN	2,053.00 LF	0 LF
12	WATER MAIN	0 LF	0 LF
13	WATER SERVICE TO LOTS	60 EA	0 EA
14	FIRE HYDRANT	7 EA	0 EA
15	FIRE HYDRANT RELOCATION	0 EA	0 EA
16	CURB & GUTTER (TYPE "L" & "A" OR "ROLL")	7,147.00 LF	0 LF
17	VALLEY GUTTER (8" WD)	2,200.00 SF	0 SF
18	DRIVEWAY	60 EA	0 EA
19	SIDEWALK (.4")	8,030.00 SF	0 SF
20	HANDICAP RAMP	3 EA	0 EA
21	SIDEWALK UNDERDRAIN	1 EA	0 EA
22	TYPE I GRAVEL BASE	3,155.00 CY	0 CY
23	TYPE II GRAVEL BASE	2,406.00 CY	0 CY
24	2" ASPHALTIC CONCRETE PAVING	17,869.00 SY	0 SY
25	3" ASPHALTIC CONCRETE PAVING	0 SY	0 SY
26	4" ASPHALTIC CONCRETE PAVING	0 SY	0 SY
27	OPEN GRADE	0 SY	0 SY
28	POWER TO LOTS	0 EA	0 EA
29	TELEPHONE TO LOTS	0 EA	0 EA
30	PULLBOX	0 EA	0 EA
31	STREETLIGHT (STANDARD BASE) 70 W	0 EA	0 EA
32	STREETLIGHT (STANDARD BASE) 150 W	3 EA	0 EA
33	SURVEY MONUMENTS	0 LS	0 LS
34	FLOOD CONTROL	0 LS	0 LS
35	EXCAVATION & EMBANKMENT	0 CY	0 CY
36	MISC. TRENCHING	0 LF	0 LF
37	TRAFFIC SIGNAL	0 LS	0 LS
38	STREET / STOP SIGNS	6 EA	0 EA
39	8" GATE VALVE	8 EA	0 EA
40	BACK WATER VALVES	0 EA	37 EA
41	16"x10" REDUCER	1 EA	0 EA
42	10"x8" REDUCER	1 EA	0 EA
43	36"x16" REDUCER	1 EA	0 EA
44	8"x 90 G ELBOW	1 EA	0 EA
45	8"x45G ELBOW	5 EA	0 EA
46	8"x22.5G ELBOW	2 EA	0 EA
47	CAP W/2" B.O.	3 EA	0 EA
48	W/ 3/4" METER	57 EA	0 EA
49	W/ 1" METER	3 EA	0 EA
50	4" SEWER WYES	63 EA	0 EA
51	PRIME COAT	139,856.00 SF	0 SF
52	8" TEE	4 EA	0 EA
53	16" TEE	1 EA	0 EA
54	10" X 90 G ELBOW	1 EA	0 EA
55		0 EA	0 EA
56		0 EA	0 EA

SANTARY SEWER MANHOLE SCHEDULE

M.H.	STA.	TMH.	INV. IN	INV. IN	INV. IN	INV. OUT	INV. OUT	NORTH	EAST
1	21+51.74	2604.8±	2589.61 NW			2589.41 SE		26825781.2559	743160.3277
1	10+00.00								
2	19+21.24	2604.8±	2590.46 W	2590.46 NE		2590.26 SE		26825942.0668	743140.3236
2	19+89.68								
3	19+63.21	2604.3±	2590.76 N			2590.56 SW		26825957.3576	743161.9293
4	16+92.54	2605.8±	2592.04 N	2592.04 W		2591.84 S		26826228.0308	743161.2606
4	19+22.62								
5	14+23.58	2604.7±	2593.32 N	2593.32 W		2593.12 S		26826496.9880	743160.5961
5	19+21.30								
14	10+00.00	2628.1±	2620.31 N	2620.31 E	2620.31 S			26826496.9880	742239.2915
14	10+00.00								
17	12+68.96	2629.4±	2618.70 N			2618.50 S	2618.50 E	26826228.0308	742238.6456
17	10+00.00								
18	13+33.26	2618.1±	2608.98 W			2608.78 E		26826228.0308	742571.9026
19	16+63.25	2609.8±	2599.34 W			2599.14 E		26826228.0308	742901.8937
20	15+20.87	2628.4±	2616.98 N	2616.98 W		2616.78 SE		26825976.1251	742238.0406
20	11+55.39								
20	10+00.00								
21	10+36.33	2626.7±	2615.51 NW			2615.31 E		26825944.2202	742255.4199
22	14+71.24	2617.2±	2603.23 W			2603.03 E		26825942.0859	742690.3236
25	18+63.41	2597.2±	2576.17 N			2575.97 S		26826202.2759	743460.8251
26	22+91.50	2596.6±	2574.29 N			2574.09 E		26825774.1801	743461.8580
27	10+51.08	2629.0±	2618.11 W			2617.91 NE		26825935.3215	742142.0431
28	11+48.66	2599.2±	2588.81 NW			2588.61 SE		26825759.9246	743307.4519

DRAWN BY: _____		DESIGNED BY: _____		CHECKED BY: _____		PROJECT NO: 6018		SCALE: N/A		HORIZ. VERT. N/A	
EXPIRES 6/30/03											
											
SHEET C4 4 OF 31 SHEETS DRAWING NO. 1014-4732-1											
STERLING S. DEVELOPMENT				CITY OF LAS VEGAS, NEVADA				EL CAPITAN / O'HARE UNIT 1			
QUANTITY AND MANHOLE SCHEDULE SHEET											