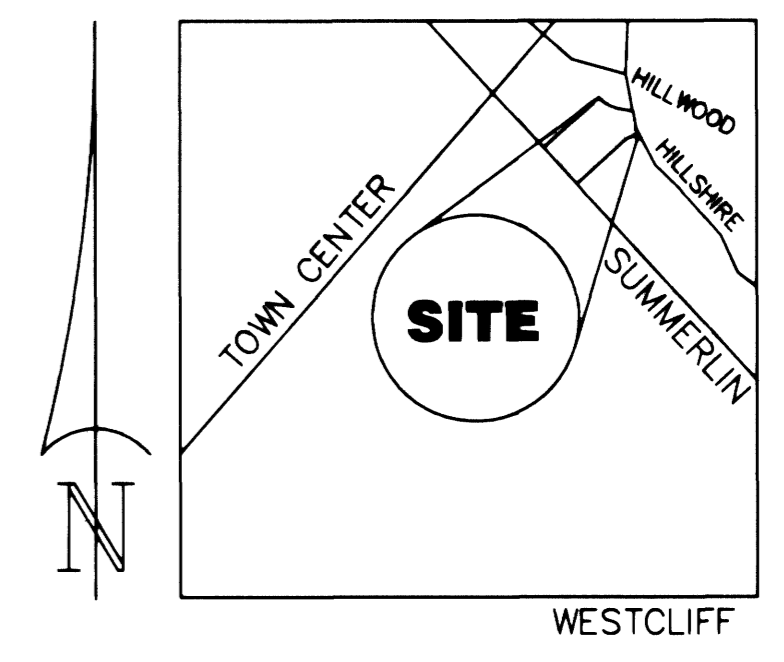


EX. FF=37.15
 APN 138-30-510-005
 LAS VEGAS DENTAL
 INSTITUTE PHASE I
 CLV #107-V2878



VICINITY MAP

Call before you Dig.
 1-800-227-2600

BASIS OF BEARINGS
 N 83 06'41" W BEING THE CENTER LINE OF HILLWOOD DR. PER PLAT BK. 51, PG. 28.

BENCHMARK
 CITY OF LAS VEGAS B.M. #0LV00 1954, RIVET & ALUM. PLATE IN TC @ NE COR. OF TOWN CENTER DRIVE & SOUTH CIRCLE ISLAND NAVD '88 ELEV. = 831.6074 M = 2728.37' TOPOGRAPHIC INFORMATION PROVIDED BY WESCO SURVEYS, INC., DATED 3/1/01

- LEGEND & QUANTITY ESTIMATE
- 1 FIRE HYDRANT ASSY. PER UDACS PLATE #7. 2 EA.
 - 2 8" TAPPING VALVE. 1 EA.
 - 3 8" X 8" MECH. JOINT TAPPING TEE. 1 EA.
 - 4 3" TYPE "K" COPPER (Cu) SERVICE CONNECTION 1 EA.
 - 5 2" METER & 2" TYPE K COPPER (Cu) LATERAL PER UDACS PLATE #10. (w/ 2" 90° BEND) 1 EA.
 - 6 2" REDUCED PRINCIPLE PRESSURE ASSEMBLY PER UDACS PLATE #11A. 1 EA.
 - 7 8" DOUBLE CHECK DETECTOR CHECK (TYPE "N") PER UDACS PLATE #20B. 1 EA.
 - 8 15' X 15' LVVMD EASEMENT. 1 EA.
 - 9 2-1/2" ABOVE GROUND FIRE DEPARTMENT CONNECTION (FDC), INCLUDES 90° BEND, RISER, THRUST BLOCK & CONCRETE PAD. 1 EA.
 - 10 4" CHECK VALVE (FOR "FDC"). 1 EA.
 - 11 8" X 4" TEE. 1 EA.
 - 12 8" CHECK VALVE (FOR "FDC"). 1 EA.
 - 13 8" POST INDICATING VALVE ("PIV") w/ TAMPER SWITCH. 1 EA.
 - 14 8" X 8" REDUCER. 1 EA.
 - 15 8" GATE VALVE. 2 EA.
 - 16 14' X 24' LVVMD EASEMENT 1 EA.
 - 17 10" 90° BEND 5 EA.
 - 18 10" 22-1/4" BEND 1 EA.
 - 19 8" TEE 1 EA.
 - 20 EX. AREA LIGHT TO BE RELOCATED.
 - 21 EX. IRRIGATION BOX & VALVES TO BE RELOCATED.
 - 22 AC PAVEMENT PATCH PER S.I.S. #J-21
 - 23 6" 90° BEND 1 EA.
 - 24 ADJUST MANHOLE TO NEW GRADE 2 EA.
 - 25 10" 45° BEND 2 EA.
 - 26 2-4" & 1-6" SCH 40 PVC SLEEVES (PER S.I.S. DWG #J-18) 1 EA.
 - 27 10" X 6" TEE 1 EA.
 - 28 10" X 8" REDUCER 3 EA.
 - 29 8" 90° BEND 1 EA.
 - 30 JENSEN #500 EE (500 GAL. GREASE INTERCEPTOR W/ CAST IRON FRAME & COVER) 1 EA.
 - 10" PVC WATER 507 LF
 - 8" PVC WATER 123 LF
 - 6" PVC WATER 18 LF
 - 2-1/2" PVC WATER 194 LF
 - 6" COPPER (Cu) WATER 19 LF
 - 6" PVC SEWER 46 LF
 - 4" PVC SEWER 218 LF
 - 4" PVC SEWER CLEANOUT w/ TRAFFIC RATED COVER (#1) 5 EA.
 - 3/4" PVC (SLEEVE) 33 LF

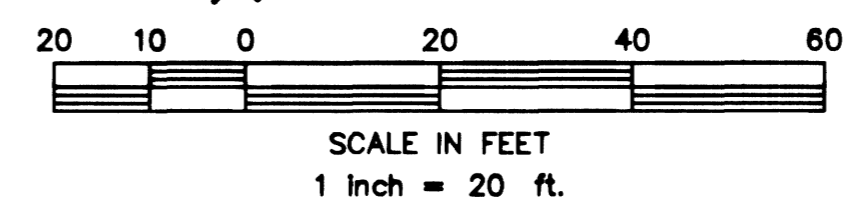
"FIRE FLOW DATA - UFC APPENDIX III-A"

BUILDING HEIGHT 51'-6"
 NUMBER OF STORY TWO
 U.F.C. TYPE OF CONSTRUCTION V-1 HR.
 U.B.C. OCCUPANCY RATING B / A2.1
 LARGEST AREA BETWEEN 4-HOUR WALLS
 GROUND FLOOR 27,787 SQ. FT.
 2ND FLOOR 9,108 SQ. FT.
 36,875 SQ. FT.

FIRE SPRINKLERS PROVIDED YES
 ESTIMATED FIRE FLOW AT 20 PSI RESIDUAL 1750 GPM

F.D. REVIEWED BY: *[Signature]*
 DATE: *[Signature]*

2860 PRESSURE ZONE
 2746.4 FINISH FLOOR
 113.6' HEAD
 49 PSI STATIC PRESSURE



NO.	DATE	REVISION

DUNNAM CIVIL ENGINEERS
 3471 WEST COLEMAN ROAD
 LAS VEGAS, NV 89166
 (702) 799-0088
 (702) 367-6946 FAX

LAS VEGAS DENTAL INSTITUTE PHASE II
 UTILITY PLAN

SHEET 7 OF FOURTEEN
 CLV DRAWING # 107-V2878-3

LM02U
 SCALE: 1" = 20'

