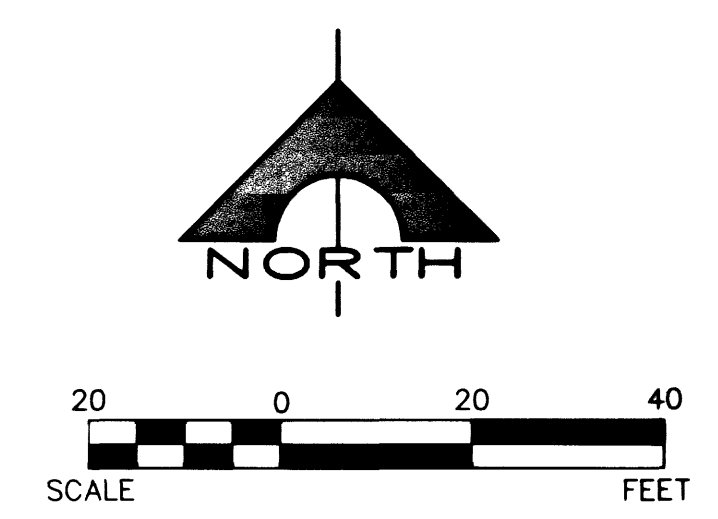
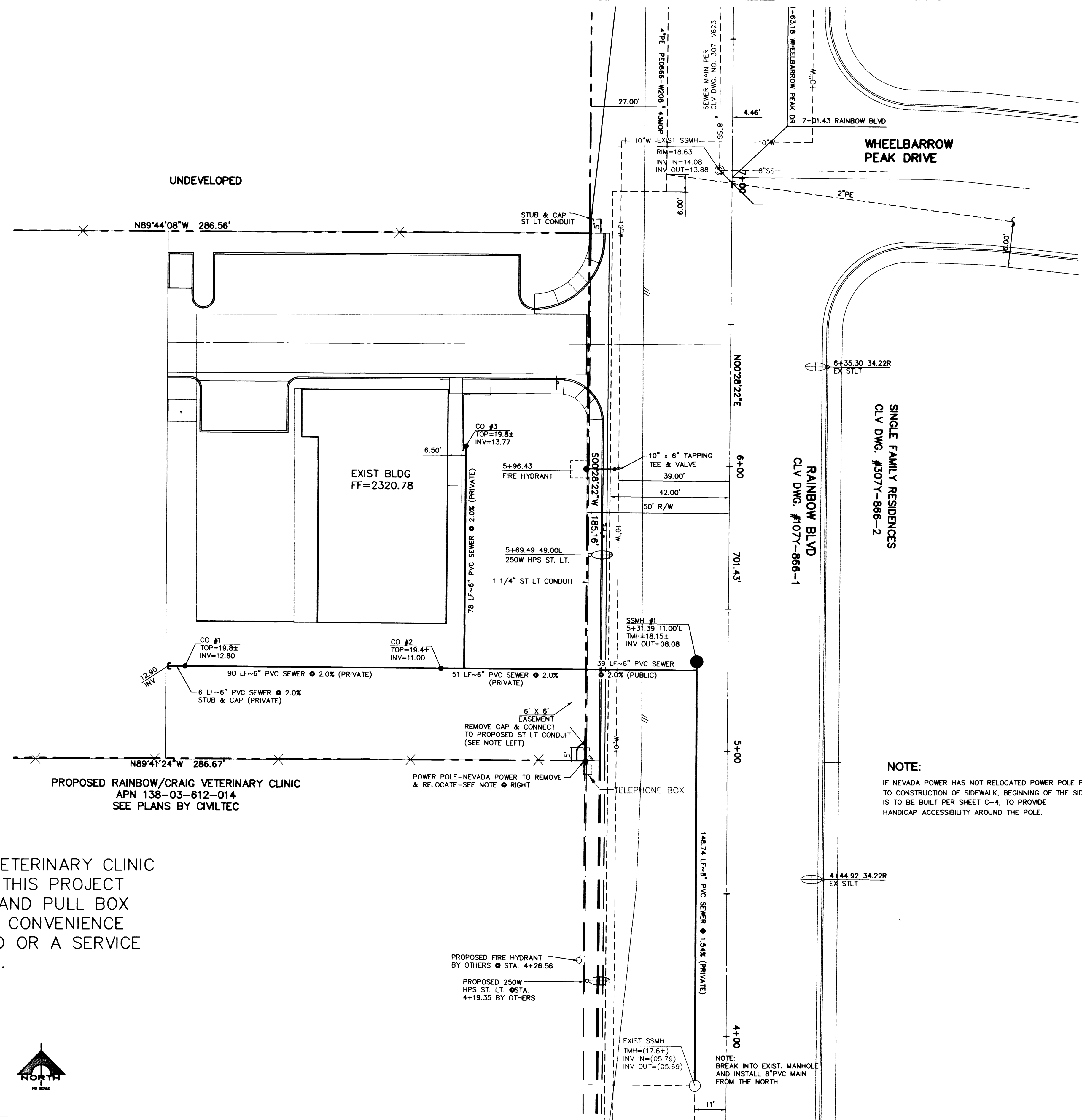




APPROVALS:

LAS VEGAS VALLEY WATER DISTRICT
DATE 8/14/10

SEE SIGNATURE BELOW
LAS VEGAS FIRE DEPARTMENT
DATE
NOTE: SEE SHEET C2 FOR NOTES

SEWER CONTRIBUTION
AVERAGE FLOW = 0.246 MGD
PEAK FLOW = 0.788 MGD

ESIMATE OF QUANTITIES

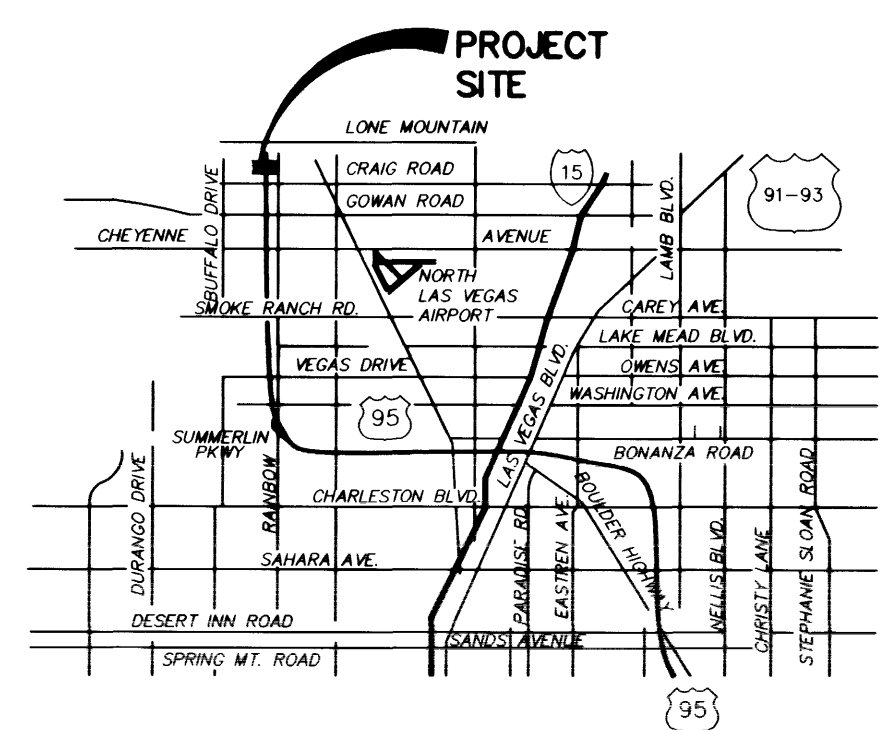
8" PVC SEWER MAIN(PUBLIC)	149 LF
6" PVC SEWER	268 LF
STANDARD 4" DIA. MANHOLE(PUBLIC)	1 EA
SEWER CLEANOUT	1 EA
250W HPS LUMINAIRE	1 EA
1 1/4" ST LIGHT CONDUIT	180 LF
10"x 6" TAPPING TEE & VALVE	1 EA
STANDARD FIRE HYDRANT ASSY.	1 EA

LAS VEGAS FIRE DEPARTMENT
FIRE FLOW IS 1500 GPM AT 20 PSI RESIDUAL PRESSURE
BASED ON:
S.F.
SQUARE FOOTAGE: 3000 S.F.
AREA BETWEEN 4 HOUR AREA: N/A
SEPARATION WALLS:
BUILDING HEIGHT: 16 FT.
NUMBER OF STORIES: 1
OCCUPANCY: OFFICE
FULL AUTOMATIC FIRE SYSTEM: NO
TYPE CONSTRUCTION: V-N

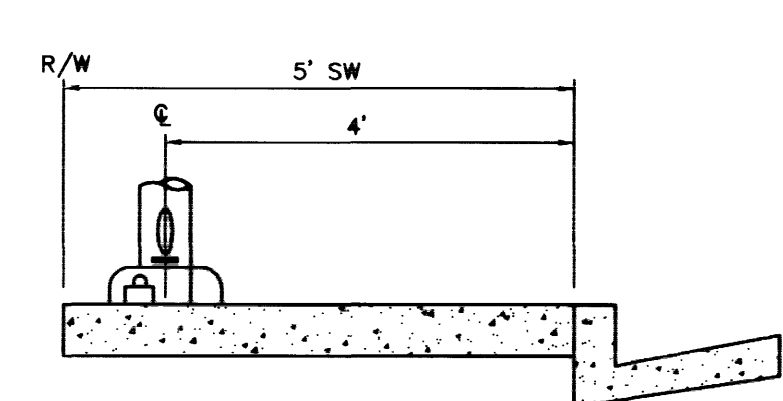
CITY FIRE MARSHALL
DATE 8-11-10

NOTE:
IF NEVADA POWER HAS NOT RELOCATED POWER POLE PRIOR TO CONSTRUCTION OF SIDEWALK, BEGINNING OF THE SIDEWALK IS TO BE BUILT PER SHEET C-4, TO PROVIDE HANDICAP ACCESSIBILITY AROUND THE POLE.

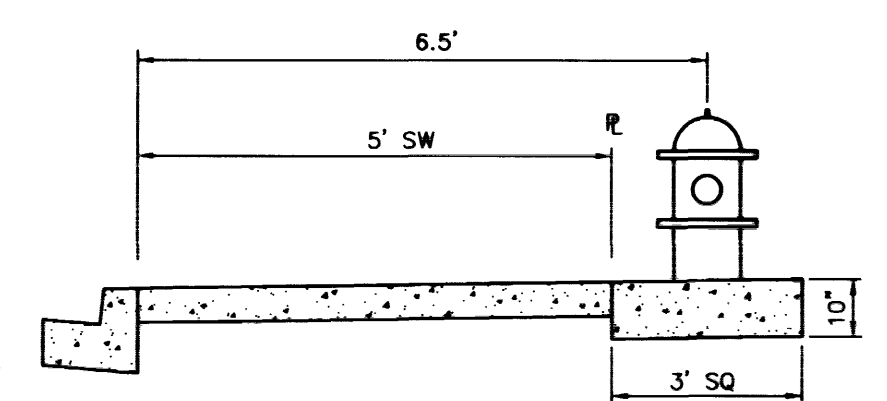
NOTE: IF RAINBOW/CRAIG VETERINARY CLINIC IS NOT COMPLETED AT TIME THIS PROJECT STARTS, EITHER A CONDUIT AND PULL BOX TO THE EXIST. STUB AT THE CONVENIENCE STORE HAS TO BE INSTALLED OR A SERVICE POINT HAS TO BE INSTALLED.



VICINITY MAP



STREET LIGHT DETAIL
TYPICAL



FIRE HYDRANT DETAIL
TYPICAL

BENCHMARK
CITY OF LAS VEGAS BENCHMARK 1LV003NEE6 BEING A RIVET AND PLATE IN TOP OF CURB, SW RETURN OF RAINBOW BLVD. AND RED COACH AVE.
NAVD 88 ELEVATION: 706.9818 METERS 2319.49 FEET

BASIS OF BEARING
N00728°22'E - BEING THE EAST LINE OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 3, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON PARCEL MAP FILE 18, PAGE 42, OF OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

DISCLAIMER NOTE
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND 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.



J.W. SLIGAR OFFICE BUILDING

UTILITY PLAN

SHEET C5

5 OF 7 SHEETS

PROJECT # 48997

CITY OF LAS VEGAS

Harding Lawson Associates
Engineering and Environmental Services
5145 S. Arville St. Ste. A
Las Vegas, Nevada
(702) 251-5449

SCALE (H)	SCALE (V)	DESIGN BY	DRAWN BY	REV.	DATE	DESCRIPTION	APPROVAL
1"=20'	NONE	JM/VPK	AM/DT				

PROFESSIONAL ENGINEER
PETER K. SAMULUS
NO. 09385
8/12/10