



- LEGEND**
- BOUNDARY LINE
 - CENTER LINE
 - EASEMENT LINE
 - PROP. WATER LINE
 - PROP. SEWER LINE
 - PROP. IRRIGATION SLEEVE
 - EX. UTILITIES
 - EX. FENCE
 - LIGHT POLE
 - SS. ACCESS LANDSCAPE PAVERS GEO BLOCK OR APPROVED EQUAL (REFER TO LANDSCAPE ARCHITECT'S PLANS)
- NOTES**
- MAINTAIN 18-INCH VERTICAL CLEARANCE BETWEEN SANITARY SEWER AND WATERLINES. SEWER LINE MUST BE AT LEAST 18-INCHES BELOW WATERLINES.
 - ALL SANITARY SEWER LINES ON-SITE ARE PRIVATE.

- UTILITY NOTES**
- CONTRACTOR SHALL CONNECT 8" SS TO EXISTING 12" SS. CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATION OF EXISTING 12" SANITARY SEWER.
 - INSTALL 48" TYPE 1 MANHOLE PER STD. DWG. #SD-1
 - INSTALL FIRE HYDRANT ASSEMBLY PER UDS PLATE NO. 7.
 - INSTALL 6" GATE VALVE AND VALVE BOX PER UDS PLATE NO. 8.
 - INSTALL 10" DOUBLE CHECK DETECTOR ASSEMBLY. (WATTS SERIES 709DCDAOSYRW-10")
 - INSTALL (2) 2" METERS PER UDS PLATE NO. 1D.
 - INSTALL (2) 2" REDUCED PRESSURE PRINCIPLE ASSEMBLIES PER UDS PLATE NO. 11A.
 - INSTALL SCHEDULE 40 PVC SLEEVES FOR IRRIGATION PIPES (REFER TO LANDSCAPE DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES)
 - INSTALL FIRE DEPARTMENT CONNECTION F.D.C.
 - INSTALL 8" P.I.V.
 - INSTALL 8" DOUBLE CHECK DETECTOR ASSEMBLY (WATTS SERIES 709DCDAOSYRW-8")

SEWER CONTRIBUTION

COMMERCIAL TYPE C:
100 FIXTURES X 0.45 X 250 G.P.D. = 11,250 G.P.D.
PEAKING FACTOR = 3.6 (FROM TABLE C, PG. T-3)
PEAK FLOW: 11,250 X 3.6 = 40,500 G.P.D.

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS:
AT 20 PSI RESIDUAL PRESSURE
BASED ON:
SQUARE FOOTAGE: 62,201 S.F.
LARGEST AREA BETWEEN 4-HOUR SEPARATION WALLS: 62,201 S.F.
BUILDING HEIGHT: 30 FEET
NUMBER OF STORIES: 3 STORIES
TYPE OF CONSTRUCTION: TYPE V-N
OCCUPANCY: HOTEL
FULLY SPRINKLERED

3375 GPM

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

Call Before You Overhead
1-702-593-6111

Call before you Dig
1-800-227-2600

SAFETY ALERT
5-27-97
AZARANG MIRKHAH, P.E.
CITY OF LAS VEGAS FIRE MARSHAL

No.	Date	Revisions	App.
6/10/97	REVISED PER CITY OF LAS VEGAS COMMENTS		
6/15/97	REVISED SS RIM OF CONNECTION, LAMP FOR MAINS P.C.		
5/21/97	REVISIONS PER CITY OF LAS VEGAS COMMENTS		
3/19/97	REVISIONS PER CITY OF LAS VEGAS COMMENTS		

Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants
1050 East Flamingo Road, Suite 5-210
Las Vegas, Nevada 89119
Tel. No. (702) 734-5666
Fax No. (702) 735-4949

Hampton Inc.
UTILITY PLAN
BROOKHOLLOW BUSINESS PARK PHASE IV, LOT C
LAS VEGAS, NEVADA 89108

Scale: 1" = 20'
Designed by: M.L.
Drawn by: B.M.-J.A.R.
Checked by: J.V.D.
Date: JANUARY, 1997
Project No. 092147.00

SHEET 06 OF 6

PROJECT NAME: Brookhollow Bus. Park
Phase C, 4-PT C
This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is NOT APPROVED FOR CONSTRUCTION at this time and this signature does not provide or imply a water commitment.
Date: 5-20-97

1347

107-V2685

