

WATER NOTES

- All work to conform to Las Vegas Valley Water District latest Standard Plates and Specifications.
- All work, except as modified hereon or by Note No. 1, shall be done in accordance with the most current draft or edition of Uniform Standard Specifications for Public Works Construction Office Improvements, Clark County Area.
- Notice to be given Engineering Department of the Las Vegas Valley Water District 48 hours prior to actual construction.
- Service saddles or tapped collars will be required on all 3/4" and 1" service laterals. Service addites only will be permitted on 1 1/2" and 2" service laterals. Double tapped collars are not permitted.
- All lines to be pressure tested to 200 psi.
- Deflection angle shall not exceed 2 1/2 degrees per 13 foot section of pipe for pipe sizes smaller than 14 inches, and shall not exceed 2 degrees for pipe sizes between 14" and 16".
- All meters shall be located outside of driveways.
- Detector tape required in accordance with Standard Plate No. 27 where indicated and as follows:
 - Over all mains not installed at 6 feet from back of curb.
 - Over all service laterals not installed at right angle to mains.
- Call Before You Dig 1-800-227-2600.

UTILITY NOTE

The location of underground utilities shown hereon has been determined from surface evidence of their existence or from information obtained from the utility companies. The Engineer accepts no liability for the existence or non-existence of utility lines. Contractors and others using this map must confirm the location of underground lines or structures with the utility companies prior to commencing any excavation.

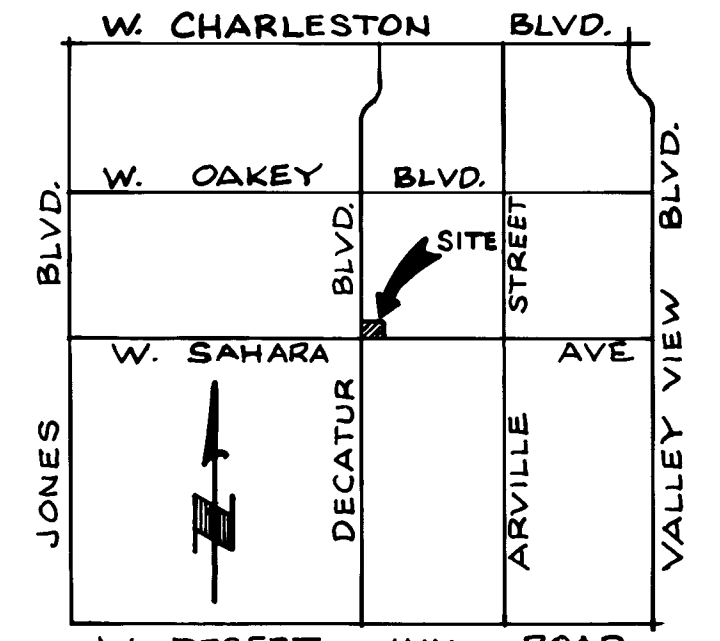
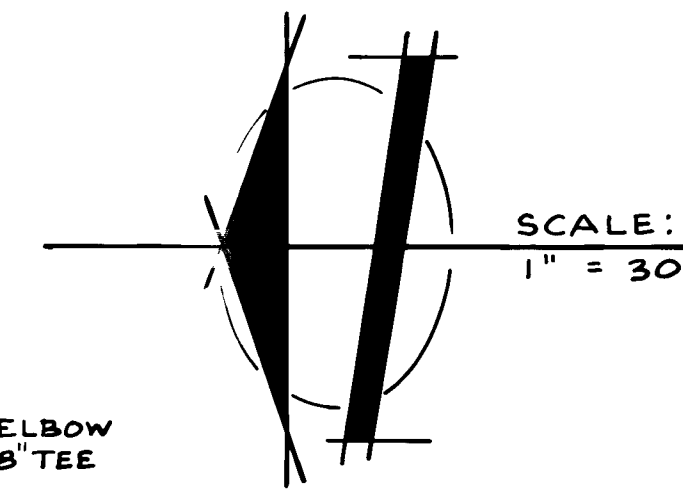
FIRE HYDRANT NOTES

- All work shall be done in strict accordance with the City of Las Vegas Fire Department "Hydrant Specifications" and "Hydrant Installation Specifications", and Ordinance 13318.
- Authorized hydrants for this project are:
 - Kennedy Guardian
 - Reiller A-433 Centurian
 - Clow Model 3540 Modelition
- On any new home or building construction, accessible fire hydrants shall be installed before combustible construction commences and said fire hydrants shall be in good working order with an adequate water supply.
- Contractor shall place a green reflective marker at centerline of street adjacent to fire hydrants.
- All fire hydrants must be connected to a dependable water supply capable of supplying the required fire flow. Call the Las Vegas Fire Department at 383-2888 for underground inspection, pressure and flush verification of all fire hydrants and fire lines before covering.
- Painting of the curbs and hydrant and any work necessary for protection of hydrants from physical damage per the "Hydrant Installation Specifications" shall be completed before approval by the City of Las Vegas Fire Department.
- Las Vegas Valley Water District to determine that hydrants are connected to a water supply capable of supplying the required fire flow.
- Fire hydrant spacing:

Residential	600 Ft. Maximum
Commercial	500 Ft. Maximum
- Fire hydrants shall be located within 500 ft. of any construction or combustible open storage, and shall be installed prior to construction.
- No fire hydrant shall be located within 6' of any curb return, driveway, power pole, street light, or any other obstruction.
- No fire hydrant shall be located within the required radius of a cul-de-sac or within 20 feet of the perimeter of the radius of a cul-de-sac.
- A permit must be obtained from the Fire Department for onsite fire water system installation prior to construction.

SEWER NOTES

- All sanitary sewer installations shall conform to the standard details and specifications of the City of Las Vegas, and shall also conform to the Uniform Standard Specifications for Public Works Construction of Off-Site Improvements, Clark County Area, latest edition, unless otherwise noted.
- Chisel "S" or "C" in curbs where sewer or gas laterals pass under the curb.
- Polyvinyl Chloride (PVC) sewer pipe shall meet ASTM D-3034 SDR 35 specifications, and installed with sand bedding and backfill or Type II gravel.
- All manholes in paved streets 80' R/W and larger, shall have concrete collars.
- The saddles shall be used to connect sewer laterals to existing main lines up to 12" dia. size. Connections to 15" or larger mains shall require special procedures.
- A sewer main crossing over a water main or less than 18" under a water main must be reinforced concrete encased pipe for a distance not less than ten feet (10') to each side of the connection of the water main.



VICINITY MAP
NO SCALE

WATER QUANTITIES

1	1" SERVICE CONNECTION BY L.V.V.W.D.	2	EA.
2	1" P.E. SERVICE LATERAL BY L.V.V.W.D.	130	L.F.
3	1" WATER METER BY L.V.V.W.D.	2	EA.
4	1" PRESSURE REDUCING VALVE TO 75 PSI MAX.	2	EA.
5	2" PVC WATER LINE	400	L.F.
6	8" PVC WATER LINE	150	L.F.
7	6" PVC WATER LINE	6	L.F.
8	8"x8"x8" TEE W/ THRUST BLOCK	1	EA.
9	8"x6" REDUCER	1	EA.
10	6" NRS GATE VALVE W/ BOX & COVER	1	EA.
11	FIRE HYDRANT ASSEMBLY	1	EA.

FIRE DEPARTMENT DATA

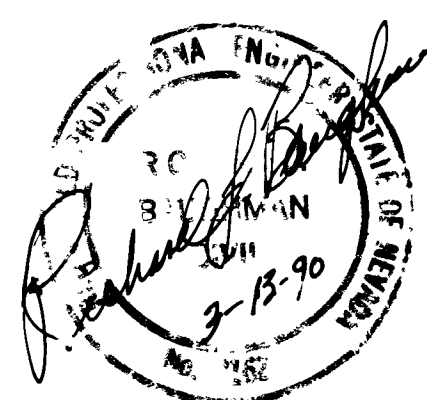
Square footage	7500	Exposures:	75'
Largest area between area separation walls	6000	North	
Height	1 STORY	South	+ 200'
Type of construction	Y	East	90'
Sprinkler system	NO	West	+ 200'
Occupancy	RESTAURANT		
Calculated fire flow	2100 GPM		

APPROVALS

N/A	DATE
CLV ENGINEER	
N/A	DATE
CLV SANITATION CHIEF	
<i>[Signature]</i>	2/12/90
CLV FIRE MARSHALL	DATE
<i>[Signature]</i>	4/10/90
LAS VEGAS VALLEY WATER DISTRICT	DATE

PROJECT NAME: SAHARA PAVILION NORTH
(2 Restaurants)
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.

[Signature] 3-14-90
Date



REFERENCE DRAWINGS

- "SAHARA PAVILION NORTH" PREPARED BY BAUGHMAN & TURNER INC.
- "JACK-IN-THE-BOX" PREPARED BY BAUGHMAN & TURNER INC.
- "WALDEN BOOKS AND MORE" PREPARED BY BAUGHMAN & TURNER INC.

JACK-IN-THE-BOX
F.F. = 12.74

WALDEN BOOKS
F.F. = 12.72

OFFICE RESTAURANT
2500 S.F.
F.F. =

RESTAURANT
5000 S.F.
F.F. =

Call before you Dig.

1-800-227-2600
UNDERGROUND SERVICE (HSA)

DECATUR

BLVD.

SAHARA AVENUE

SAHARA

WATER NOTES

1. ALL WATER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
2. ALL WATER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
3. ALL WATER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
4. ALL WATER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
5. ALL WATER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
6. ALL WATER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
7. ALL WATER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
8. ALL WATER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
9. ALL WATER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
10. ALL WATER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.

UTILITY NOTE

ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY. ANY DISCREPANCIES SHALL BE CORRECTED PRIOR TO CONSTRUCTION.

FIRE HYDRANT NOTES

1. ALL FIRE HYDRANTS SHALL BE 4" DIA. UNLESS OTHERWISE NOTED.
2. ALL FIRE HYDRANTS SHALL BE 4" DIA. UNLESS OTHERWISE NOTED.
3. ALL FIRE HYDRANTS SHALL BE 4" DIA. UNLESS OTHERWISE NOTED.
4. ALL FIRE HYDRANTS SHALL BE 4" DIA. UNLESS OTHERWISE NOTED.
5. ALL FIRE HYDRANTS SHALL BE 4" DIA. UNLESS OTHERWISE NOTED.
6. ALL FIRE HYDRANTS SHALL BE 4" DIA. UNLESS OTHERWISE NOTED.
7. ALL FIRE HYDRANTS SHALL BE 4" DIA. UNLESS OTHERWISE NOTED.
8. ALL FIRE HYDRANTS SHALL BE 4" DIA. UNLESS OTHERWISE NOTED.
9. ALL FIRE HYDRANTS SHALL BE 4" DIA. UNLESS OTHERWISE NOTED.
10. ALL FIRE HYDRANTS SHALL BE 4" DIA. UNLESS OTHERWISE NOTED.

SEWER NOTES

1. ALL SEWER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
2. ALL SEWER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
3. ALL SEWER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
4. ALL SEWER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
5. ALL SEWER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
6. ALL SEWER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
7. ALL SEWER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
8. ALL SEWER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
9. ALL SEWER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.
10. ALL SEWER LINES SHALL BE 12" DIA. UNLESS OTHERWISE NOTED.



VICINITY MAP
SEE SHEET 101

WATER QUANTITIES

1" P.W. SERVICE LATERAL BY LOT/BLK.	2	GA.
1" WATER MAIN BY LOT/BLK.	4	GA.
1" FIRE MAIN BY LOT/BLK.	2	GA.
1" P.W. SERVICE LATERAL BY LOT/BLK.	4	GA.
1" WATER MAIN BY LOT/BLK.	4	GA.
1" FIRE MAIN BY LOT/BLK.	2	GA.
1" P.W. SERVICE LATERAL BY LOT/BLK.	4	GA.
1" WATER MAIN BY LOT/BLK.	4	GA.
1" FIRE MAIN BY LOT/BLK.	2	GA.

FIRE DEPARTMENT DATA

Address:	10000	10000
City:	10000	10000
State:	10000	10000
Zip:	10000	10000
Phone:	10000	10000
Fire Department:	10000	10000

APPROVALS

BY: *[Signature]* DATE: *[Date]*
 BY: *[Signature]* DATE: *[Date]*
 BY: *[Signature]* DATE: *[Date]*

THESE DRAWINGS WERE PREPARED BY THE ENGINEER AND ARCHITECT FOR THE PROJECT.

THESE DRAWINGS WERE PREPARED BY THE ENGINEER AND ARCHITECT FOR THE PROJECT.

THESE DRAWINGS WERE PREPARED BY THE ENGINEER AND ARCHITECT FOR THE PROJECT.

THESE DRAWINGS WERE PREPARED BY THE ENGINEER AND ARCHITECT FOR THE PROJECT.

THESE DRAWINGS WERE PREPARED BY THE ENGINEER AND ARCHITECT FOR THE PROJECT.

THESE DRAWINGS WERE PREPARED BY THE ENGINEER AND ARCHITECT FOR THE PROJECT.

THESE DRAWINGS WERE PREPARED BY THE ENGINEER AND ARCHITECT FOR THE PROJECT.

THESE DRAWINGS WERE PREPARED BY THE ENGINEER AND ARCHITECT FOR THE PROJECT.

THESE DRAWINGS WERE PREPARED BY THE ENGINEER AND ARCHITECT FOR THE PROJECT.

REFERENCE DRAWINGS

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

"Standard Building Plans" prepared by Building Department, 10000.

DECATUR

BLVD.

SAHARA AVENUE

