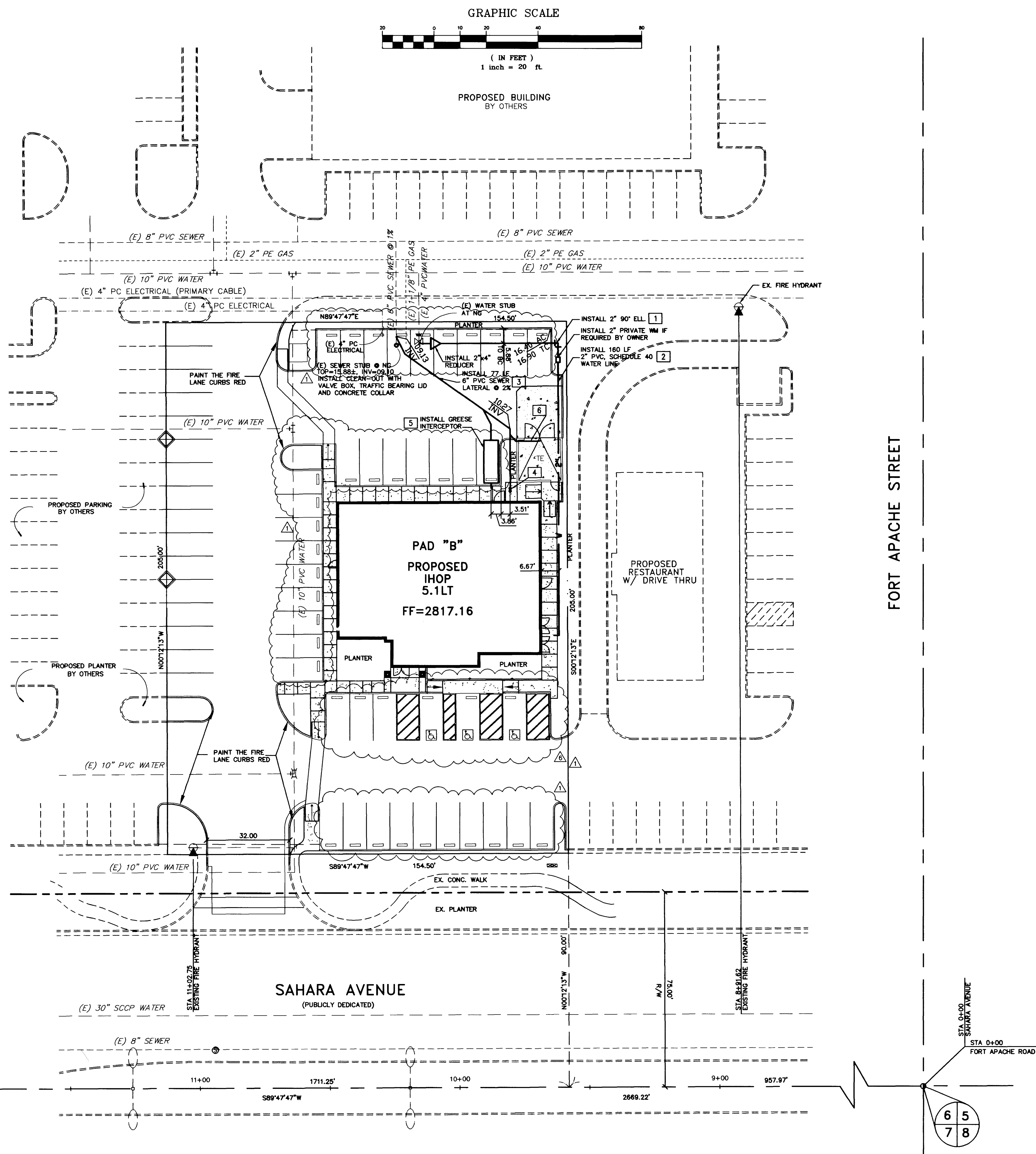


UTILITIES:

GAS
SOUTHWEST GAS CORP
4300 W. TROPICANA AVE., LAS VEGAS
(702) 365-1100

SEWER AND STORM DRAIN
CLARK COUNTY SANITATION DISTRICT
5857 E. FLAMINGO ROAD, LAS VEGAS
(702) 434-6601

WATER
LAS VEGAS VALLEY WATER DISTRICT
1001 S. VALLEY VIEW BOULEVARD, LAS VEGAS
(702) 870-2011



FIRE HYDRANT RELOCATION AND LATERAL ABANDONMENT

WHERE SHOWN ON THE DRAWING, THE CONTRACTOR SHALL ABANDON THE EXISTING FIRE HYDRANT BY REMOVING BOTH THE UPPER AND LOWER BARRELS OF THE FIRE HYDRANT SO THAT THE PORTION OF THE REMAINING FIRE HYDRANT ASSEMBLY IS CLOSER THAN 2 FEET TO THE EXISTING GRADE. THE EXISTING HYDRANT SHALL BE INSTALLED AT THE NEW LOCATION AS INDICATED ON THE DRAWING, IN ACCORDANCE WITH STANDARD PLATE NO. 7. THE EXISTING VALVE SHALL BE ABANDONED IN A CLOSED POSITION AND A MINIMUM OF THE TOP 12\"/>

SEWER FLOW:

DAILY AVERAGE FLOW - 6,650 GPD
DAILY PEAK FLOW - 16,625 GPD

STATISTICS:

SITE AREA: 31,672 SF (.72 ACRE)
BUILDING AREA: 4,716 SF TOTAL
DINING SEATS: 188 SEATS
PARKING REQUIRED: 48 STALLS
(1 STALL PER 100 SF)
PARKING PROVIDED: 60 STALLS

NOTE:

ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

UTILITY NOTES AND QUANTITIES

THE QUANTITY ESTIMATES SHOWN HEREON ARE APPROXIMATE AND NO ONE IS TO RELY UPON THEM FOR PAY QUANTITIES

	ITEM	UNIT	QNT PRIVA
	<u>WATER</u>		
1	INSTALL 2" 90° ELL.	EA	3
2	INSTALL 2" WATER LATERAL	LF	160
7	INSTALL 4"x2" REDUCER	EA	1
	<u>SEWER</u>		
3	INSTALL 6" PVC SEWER LATERAL	LF	77
4	INSTALL DOUBLE CLEAN-OUT	EA	1
5	INSTALL GREASE INTERCEPTOR	EA	1
6	INSTALL 3" DRAIN	LF	10

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS: 1750 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE

BASED ON:

SQUARE FOOTAGE: 4,716 SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: _____ SQUARE FEET
BUILDING HEIGHT: _____ FEET
NUMBER OF STORIES: ONE FLOOR
TYPE OF CONSTRUCTION: V-N

OCCUPANCY: _____
FULL AUTOMATIC FIRE SPRINKLER SYSTEM: NO

REVIEWED BY: See cover sheet

DATE: _____

AVOID CUTTING UNDERGROUND UTILITIES: IT'S COSTLY.

CALL BEFORE YOU DIG

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

NOTICE !

EXISTING UTILITIES ARE LOCATED ON THE PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE ENGINEER BEARS NO RESPONSIBILITY FOR THE LOCATION OF UTILITIES SHOWN OR NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE STARTING CONSTRUCTION AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES WITH THE UTILITY COMPANIES.

AVOID OVERHEAD POWER LINE CONTACT.

CALL BEFORE YOU OVERHEAD

1-702-593-6111
NEVADA POWER OVERSIGHT AND SAFETY SERVICES (NPOSS)

DESIGNED BY: PB	REVIEWED BY: PB	DATE: 02/10/98
CHECKED BY: WDC	DATE: 02/10/98	JOB #: 980019
DATE: 02/10/98	JOB #: 980019	APN: 163-06-810-003
SECT 6	T 215 R 60E	SCALE: 1\"/>

DEA

DESIGN ENGINEERING ASSOCIATES
OF NEVADA, INC.
2900 S. RANCHO DR.
LAS VEGAS, NEVADA 89102
(702) 871-8089

UTILITY PLAN

IHOP

SAHARA AVE. AND FORT APACHE ST.
LAS VEGAS, NEVADA

DRAWN BY : PB	DESIGNED BY : PB
CHECKED BY : WDC	DATE : 02/10/98
JOB # : 980019	APN : 163-06-810-003
SECT 6	T 215 R 60E
SCALE :	1"=20' 1"=20'



SHEET #

C5

5 OF 6

107-V2852

