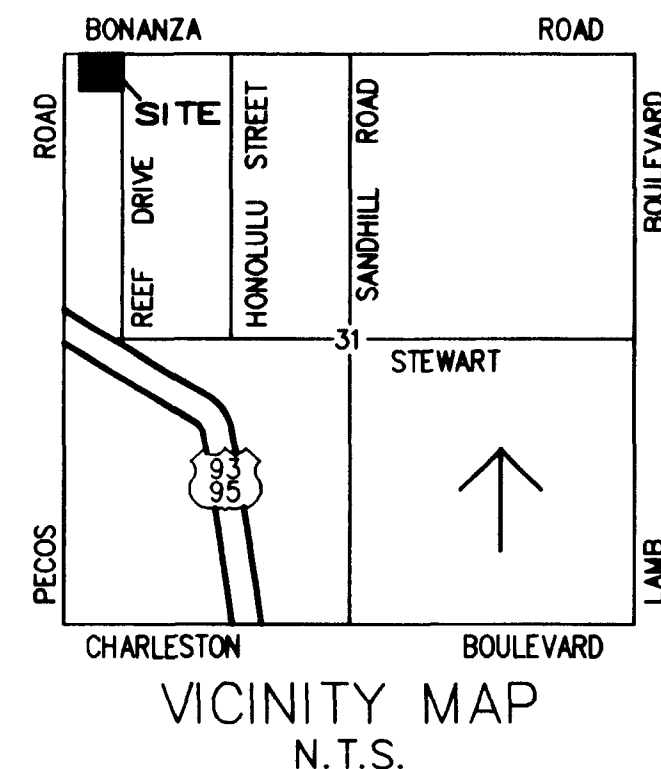


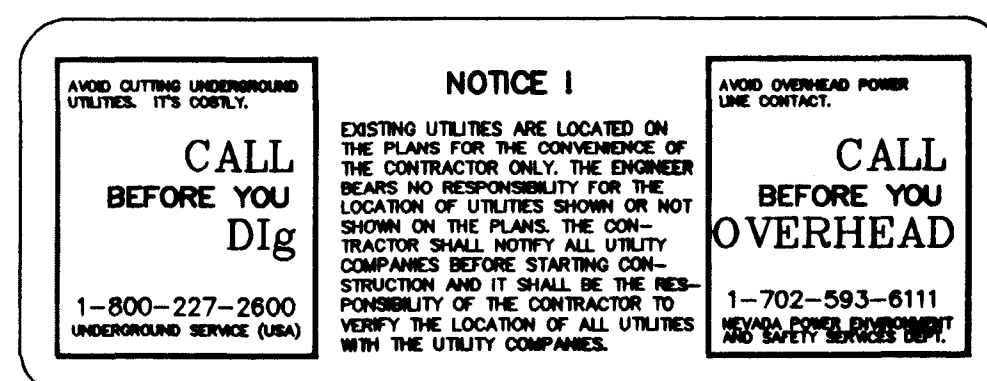
IMPROVEMENT PLANS

FOR
TACO BELL
140-31-101-004
CITY OF LAS VEGAS
STATE OF NEVADA
LAS CAL CORPORATION
1210 S. VALLEY VIEW BOULEVARD, SUITE 202
LAS VEGAS, NEVADA 89102
(702) 880-5818



LEGEND

NEW	EXISTING	DESCRIPTION
---	---	CENTERLINE
---	---	PROPERTY/RIGHT-OF-WAY LINE
---	---	"L" CURB & GUTTER
---	---	"A" CURB & GUTTER
---	---	WATER LINE
---	---	SEWER LINE
---	---	STORM DRAIN LINE
---	---	STREETLIGHT CONDUIT
---	---	GAS LINE
---	---	POWER LINE
---	---	TELEPHONE LINE
---	---	FLOW LINE
---	---	FENCE
---	---	BLOCK/RETAINING WALL
---	---	GRADES
---	---	CONTOURS (HEAVY)
---	---	CONTOURS (LIGHT)
---	---	FIRE HYDRANT
---	---	100W STREETLIGHT
---	---	250W STREETLIGHT
---	---	400W STREETLIGHT
---	---	AREA LIGHT
---	---	MANHOLE
---	---	POLE (PER ABBREVIATION)
---	---	WATER VALVE, GATE VALVE (PER ABBREVIATION)
---	---	ELECTRIC VAULTS, WATER METER, ETC. (PER ABBREVIATION)
---	---	CONCRETE
---	---	SEE ABBREVIATION FOR MATERIAL, OR AS SPECIFIED ON PLANS



THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS TO THE ENGINEER PRIOR TO COMMENCING WORK. THESE DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS, SPECIFICATIONS, AND COPIES, THEREOF FURNISHED BY THE ENGINEER ARE AND SHALL REMAIN HIS SOLE PROPERTY. UNTIL SIGNED BY THE PREVAILING ENTITIES, THESE PLANS ARE TO BE CONSIDERED PRELIMINARY AND USED AT THE OWNER/DEVELOPER/CONTRACTOR'S RISK. THESE DOCUMENTS ARE TO BE RETURNED OR SUITABLY ACCOUNTED FOR TO THE ENGINEER ON REQUEST. ANY USE OF THIS DRAWING IN WHOLE OR IN PART, BY ANY MEANS WHATSOEVER, IS STRICTLY PROHIBITED EXCEPT WITH WRITTEN CONSENT OF THE ENGINEER.

ABBREVIATIONS

AC	- ASPHALT	LF	- LINEAR FEET
ACP	- ASBESTOS CEMENT PIPE	LT	- LEFT
AVE	- AVENUE	LVWD	- LAS VEGAS VALLEY WATER DISTRICT
BC	- BACK OF CURB	MAX	- MAXIMUM
BVC	- BEGINNING OF VERTICAL CURVE	MI	- MILE
BW	- BACK OF WALK	MIN	- MINIMUM
C	- CONCRETE	NTS	- NOT TO SCALE
CL	- CENTERLINE	OC	- ON CENTER
CLV	- CITY OF LAS VEGAS	P	- POWER
COH	- CITY OF HENDERSON	PC	- POINT OF CURVE
CONV	- CITY OF NORTH LAS VEGAS	PI	- POINT OF INTERSECTION
CCSD	- CLARK COUNTY	PP	- POWER POLE
CCSD	- CLARK COUNTY SANITATION DISTRICT	PT	- POINT OF TANGENCY
CONC	- CONCRETE	PB	- PULL BOX
CMP	- CORRUGATED METAL PIPE	R	- PROPERTY LINE
CIP	- CAST IRON PIPE	ROP	- REINFORCED CONCRETE PIPE
DIA	- DIAMETER	R	- RADIUS
DI	- DROP INLET	RP	- RADIUS POINT
EA	- EACH	RT	- RIGHT
EP	- EDGE OF PAVEMENT	R/W	- RIGHT OF WAY
EM	- ELECTRIC METER	SD	- STORM DRAIN
ELEV	- ELEVATION	SL	- STREETLIGHT
EXIST	- END OF VERTICAL CURVE	SS	- SANITARY SEWER
FF	- FINISHED FLOOR	STA	- STATION
FL	- FLOW LINE	SWH	- SEWER MANHOLE
FT	- FEET OR FOOT	SWH	- SEWER MANHOLE
FG	- FINISHED GRADE	T	- TYPICAL
FB	- FIRE HYDRANT	TOW	- TOP OF WALK
GB	- GRADE BREAK	TW	- TOP OF WALK
GN	- GAS METER	W	- WATER
GV	- GATE VALVE	WV	- WATER VALVE
INV	- INVERT	Δ	- DELTA

QUANTITY ESTIMATES

ITEM #	DESCRIPTION	UNIT	QUANTITY	PUBLIC	PRIVATE
1	6" SEWER LINE	L.F.	9	X	
2	6" LATERAL SEWER CONNECTION	E.A.	1	X	
3	WATER SERVICE	E.A.	1	X	
4	CURB & GUTTER	L.F.	1,283		X
5	SIDEWALK UNDERDRAIN	E.A.	1	X	
6	TYPE II GRAVEL BASE	C.Y.	377		X
7	2" A.C. PAVING	S.Y.	2,262		X
8	OPEN GRADE	S.Y.	1,128		X
9	POWER SERVICE	E.A.	1	X	
10	TELEPHONE SERVICE	E.A.	1	X	
11	EXCAVATION & EMBANKMENT	C.Y.	674		X
12	MISCELLANEOUS TRENCHING	L.F.	120		X
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L.V.V.W.D.					
1	1-1/2" SERVICE SADDLE & CORP STOP	E.A.	1	X	
2	1-1/2" WATER LINE	L.F.	47	X	
3	1-1/2" WATER METER (FROM LVVWD)	E.A.	1	X	
4	1-1/2" R.P.P.A.	E.A.	1		X
5	FIRE HYDRANT	E.A.	1	X	
6	6" GATE VALVE	E.A.	1	X	

SHEET INDEX

SHEET #	SHEET	DESCRIPTION
1	C1	COVER SHEET/VICINITY MAP/QUANTITIES
2	C2	GENERAL NOTES SHEET
3	C3	GRADING/UTILITY PLAN

APPROVALS

Charles Kajkowski 4-13-99
CHARLES KAJKOWSKI, JR.; PE #4784 DATE
CITY PLANNING ENGINEER

APPROVAL OF THESE PLANS IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-OF-WAY AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS, EXCEPT THOSE SPECIFICALLY LISTED UNDER DEVIATIONS FROM STANDARD. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARDS IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA.

John Marshall 3-11-99
CITY FIRE MARSHALL DATE
Bonnie Cift 4-10-99
LAS VEGAS VALLEY WATER DISTRICT DATE
Chad McCarroll 3-11-99
SOUTHWEST GAS DATE
Janita Rodriguez 3-11-99
NEVADA POWER COMPANY DATE

TACO BELL
LAS CAL CORPORATION
1210 S. VALLEY VIEW BLVD., SUITE 202
LAS VEGAS, NEVADA 89102
702/880-5818

SOUTHGATE ASSOCIATES, LIMITED
4385 N. 75th Street, Suite 100, Scottsdale, Arizona 85251
Telephone (602) 970-8862 Fax (602) 970-3984
Civil Engineering Consultants

COVER SHEET/
VICINITY MAP/
QUANTITIES

TACO BELL
SWC BONANZA ROAD / REEF DRIVE
LAS VEGAS, NEVADA

DRAWN BY: PKV
DESIGNED BY: TFS
CHECKED BY: TFS
DATE: MAY98
JOB #: 97-053CV
APN: 140-31-101-004
SECT 31 TOSR 02E
SCALE: HORIZ 1" = 10'
VERT 1" = 1'

THOMAS F. SOUTHGATE
3.10.99
Professional Engineer - State of Nevada

SHEET
C1
1 OF 3
DRAWING NO.
107-V2972

REVISION:
REV: DATE: BY: REVISION:
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VIGNETTE MAP
K15

LEGEND

	12" WATER MAIN
	18" WATER MAIN
	24" WATER MAIN
	30" WATER MAIN
	36" WATER MAIN
	42" WATER MAIN
	48" WATER MAIN
	54" WATER MAIN
	60" WATER MAIN
	66" WATER MAIN
	72" WATER MAIN
	78" WATER MAIN
	84" WATER MAIN
	90" WATER MAIN
	96" WATER MAIN
	102" WATER MAIN
	108" WATER MAIN
	114" WATER MAIN
	120" WATER MAIN
	126" WATER MAIN
	132" WATER MAIN
	138" WATER MAIN
	144" WATER MAIN
	150" WATER MAIN
	156" WATER MAIN
	162" WATER MAIN
	168" WATER MAIN
	174" WATER MAIN
	180" WATER MAIN
	186" WATER MAIN
	192" WATER MAIN
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	204" WATER MAIN
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	216" WATER MAIN
	222" WATER MAIN
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	402" WATER MAIN
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	2016" WATER MAIN
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