

TREE LEGEND	ABBREVIATIONS	SYMBOLS	LEGEND
PALM TREE	N. = NORTH	FIRE HYDRANT	CF = CURB FACE
PINE TREE	S. = SOUTH	STREET LIGHT	TC = TOP OF CURB
TREE	E. = EAST	TRAFFIC SIGNAL	FL = FLOW LINE
JACARANDA	W. = WEST	LIGHT STANDARD	FS = FINISHED SURFACE
	N'LY = NORTHERLY	POWER POLE	FF = FINISHED FLOOR
	S'LY = SOUTHERLY	GUY WIRE & ANCHOR	NG = NATURAL GROUND
	E'LY = EASTERLY	WATER METER	CB = GRADE BREAK
	W'LY = WESTERLY	GAS METER	HP = HIGH POINT
	N/O = NORTH OF	WATER VALVE	EP = EDGE OF PAVEMENT
	S/O = SOUTH OF	GAS VALVE	EG = EDGE OF GUTTER
	E/O = EAST OF	PULL BOX	AC = ASPHALT CONCRETE
	W/O = WEST OF	GRATE INLET	AB = AGGREGATE BASE
	P/L = PROPERTY LINE	SEWER MANHOLE	PCC = CONCRETE
	C/L = CENTERLINE	STORM DRAIN MANHOLE	SW = SIDEWALK
	R/W = RIGHT OF WAY	TELEPHONE MANHOLE	BW = BACK OF SIDEWALK
	L = LENGTH	HANDICAP PARKING STALL	TW = TOP OF WALL
	T = TANGENT	LANDSCAPED AREA	TRW = TOP OF RETAINING WALL
	M = MEASURED DATA	PROTECT IN PLACE	FH = FIRE HYDRANT
	C = CALCULATED DATA	REMOVE AND DISPOSE OFFSITE	NW = WATER VALVE
	(RAD) = RADIAL BEARING	RELOCATE	GR = TOP OF GRATE
	FD = FOUND	EASEMENT ITEM NO.	INV = INVERT ELEVATION
	IP = IRON PIPE	(427.0) EXIST. CONTOUR	MH = MANHOLE
	W = WASHER	427.0 DESIGN CONTOUR	SMH = SEWER MANHOLE
	N&T = NAIL & TAG	47.93 EXIST. ELEVATION	CO = CLEANOUT
	L&T = LEAD & TAG	47.67 PROP. ELEVATION	WM = WATER METER
	(210.00' R) = RECORD DATA		GM = GAS METER
	(210.00' M) = MEASURED DATA		PV = POST INDICATOR VALVE
	(210.00' PRO) = PROTRATED DATA		DCV = DETECTOR CHECK VALVE
	(427.00) TC = EXISTING ELEVATION		PB = PULL BOX
	(427.00) TC = DESIGN ELEVATION		CB = CATCH BASIN
	-R-R- = RIDGE LINE		LS = LIGHT STANDARD
	-S- = SEWER LINE		PP = POWER POLE
	-SD- = STORM DRAIN LINE		TP = TELEPHONE POLE
	-G- = GAS LINE		TE = TRASH ENCLOSURE
	-W- = WATER LINE		CLF = CHAIN LINK FENCE
	-E- = ELECTRICAL LINE		NDF = WOOD FENCE
	-T- = TELEPHONE LINE		BLK = CONCRETE BLOCK
	-CTV- = CABLE TV LINE		RWH = REDWOOD HEADER
			UG = UNDERGROUND
			OHW = OVERHEAD WIRE

STREET LIGHT NOTE:
ALL HAND HOLE COVERS MUST BE INSTALLED, POLE CAPS POURED, AND PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT. ALL WIRE MUST HAVE THW INSULATION.

- CONSTRUCTION NOTES**
- CONSTRUCT 143 LF OF 6" PVC SDR 35 SANITARY SEWER MIN 2%
 - INSTALL SEWER CLEANOUT EVERY 100'
 - EXPOSE EX. LATERAL, REMOVE EXISTING PLUG, EXTEND SEWER LATERAL
 - PROTECT EXISTING UTILITIES
 - REPLACE ALL EXISTING IMPROVEMENTS REMOVED DURING CONSTRUCTION
 - CONTRACTOR TO VERIFY ELEVATION OF SEWER INVERT PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL COMMENCE INSTALLATION OF SEWER PIPE AT THE POINT OF DOWNSTREAM CONNECTION.
 - CONTRACTOR TO RELOCATE LIGHT STANDARD, MAKE CONNECTION, SPLICES ETC. PER CITY SPECS.
 - ADJUST CLEANOUTS TO GRADE

SAFETY:
ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK ON OR RELATE TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH REGULATIONS OF THE U.S. DEPARTMENT OF LABOR, AND WITH THE STATE OF NEVADA DEPARTMENT OF INDUSTRIAL RELATIONS CONSTRUCTION SAFETY ORDERS.

SITE CONDITIONS:
CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, ENGINEER AND CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING THE LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, ENGINEER OR CITY.

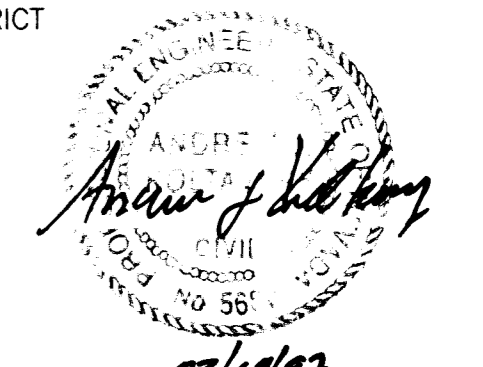
UNAUTHORIZED CHANGES & USES:
THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLAN MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS. IF THE CONTRACTOR DEVIATES FROM THESE PLANS PRIOR TO CONTACTING AND RECEIVING APPROVAL IN WRITING FROM THE DESIGN ENGINEER, THE CONTRACTOR SHALL BE LIABLE AND RESPONSIBLE FOR ALL DAMAGES AND CORRECTIONAL COSTS.

- NOTES:**
- For the purposes of clarity, details near the property lines are not necessarily drawn to scale.
 - Easements plotted per researched and record information.
 - Monuments found as noted

UTILITY COMPANIES

SEWER	CITY OF LAS VEGAS 2900 RONEMUS DRIVE LAS VEGAS 81928 (702) 229-6227
WATER	LAS VEGAS VALLEY WATER DISTRICT 3700 W. CHARLESTON BLVD. LAS VEGAS 89153 (702) 870-2011
TELEPHONE	SPRINT 330 S. VALLEY VIEW LAS VEGAS (702) 244-7171
ELECTRIC	NEVADA POWER (702) 267-5555

SEWER CONTRIBUTION
AVERAGE DAILY = 1250 gpd
PEAK FLOWS = 50 gpm (0.347 gpd)



<p>BOUNDARY LINES: Were established from recovered City, County and/or private engineer monuments whose character and source are so noted on the survey</p> <p>EASEMENT RIGHTS: Plottable easements are shown from the supplied title report. Unplottable easements or other encumbrances are shown as having the effect of because our service is limited to reporting on easement locations. We strongly recommend legal counsel be retained to report on Title papers in their entirety.</p>	<p>BASIS OF BEARINGS: THE BEARING OF S 00°39'37" E ALONG CENTERLINE OF THAT CERTAIN PRIVATE ROAD AS SHOWN BY MAP THEREOF ON FILE IN FILE 81 OF PARCEL MAPS, PAGE 83</p>	<p>BENCH MARK: OLV00-15N4 DRIVE RIVET AND PLATE IN THE TOP OF CURB IN FRONT OF FIRE STATION #42, ON THE SOUTH SIDE OF CHEYENNE EL = 2333.43 C.L.V.DATUM NAVD 88</p> <p>ADD 2000 TO ELEVATIONS FOR PROPER DATUM</p>	<table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>APP'VD</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DESCRIPTION	APP'VD	DATE					<p>A.J. KOLTAVARY/CIVIL ENGINEERS 17800 MITCHELL NORTH, IRVINE, CA. 92614 PHONE: (714) 752-5466 FAX: (714) 752-6455 CIVIL ENGINEERING LAND SURVEYING ENVIRONMENTAL ENGINEERING</p>	<p>UTILITY PLAN FOR EL POLLO LOCO LOCATED ON CHEYENNE AVENUE LAS VEGAS, NEVADA</p>	<p>SHEET 3-B OF 4 SHEETS Job No.: 96-75</p>
NO.	DESCRIPTION	APP'VD	DATE											

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307-2645

