

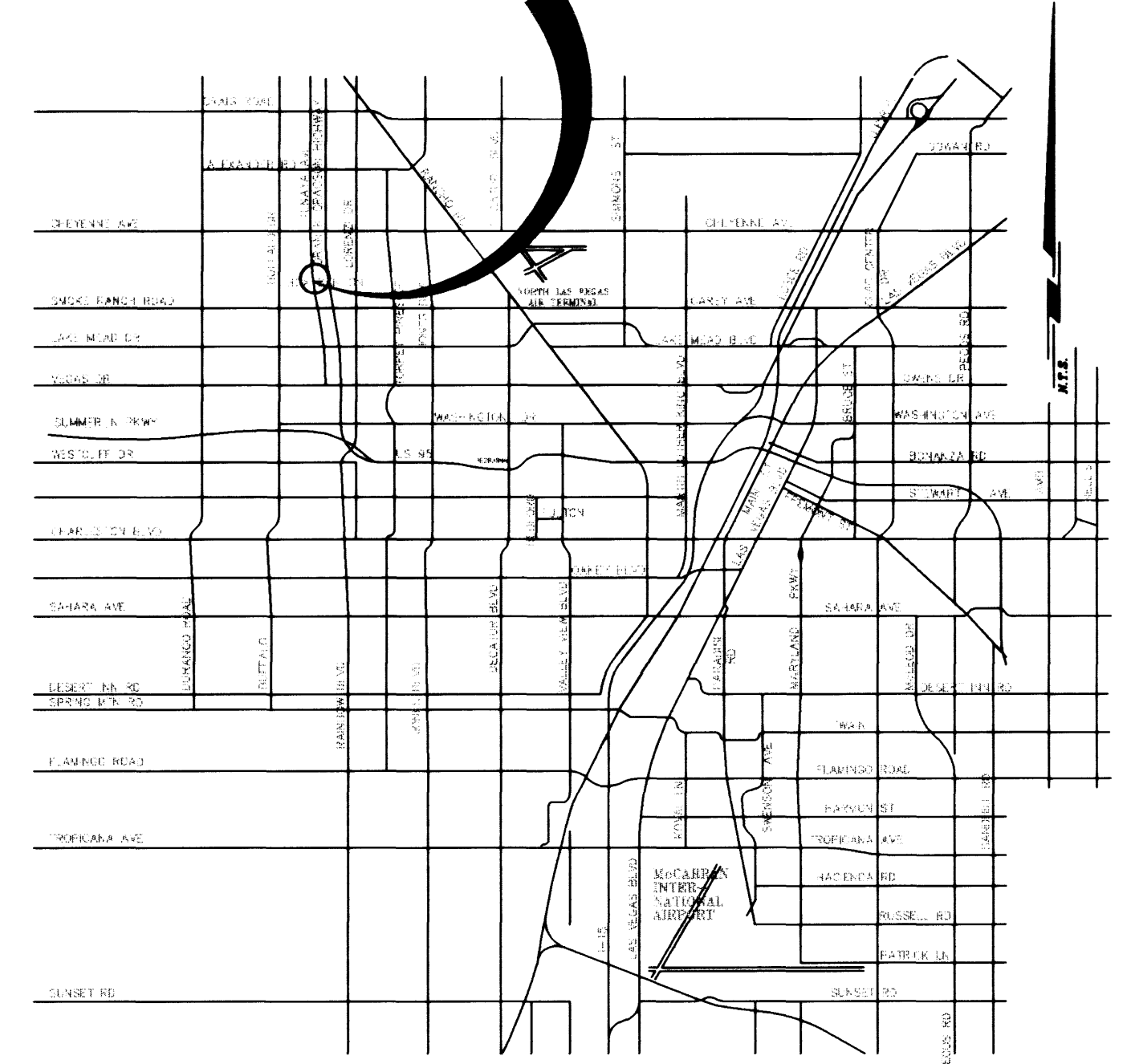
WATER LINE NOTES

- NO WORK SHALL BEGIN ON THE WATER PLANS UNTIL THEY HAVE BEEN RELEASED FOR CONSTRUCTION BY LVVMD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO LVVMD COMMUNICATION SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 PM THE BUSINESS DAY PRIOR TO A LVVMD INSPECTION.
- ALL WORK SHALL CONFORM TO LVVMD STANDARD PLATES, DRAWINGS, SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS, LATEST EDITION.
- ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR ADDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVMD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVMD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
- THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND SANITARY OR STORM SEWER LINE CROSS
 - A. MINIMUM EIGHTEEN (18) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR, AS SHOWN ON THESE PLANS:
 - A. POTABLE WATER SUPPLY QUALITY MATERIAL.
 - B. ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM)
 - C. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.
- EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN, A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.
- WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
- ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVMD'S DISTRIBUTION SYSTEM.
- THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2") INCHES AND SMALLER FROM THE LVVMD CENTRAL STORES. TELEPHONE - 258-3152 FORTY EIGHT (48) HOURS PRIOR TO PICKUP.
- CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVVMD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10PM AND 6AM, SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED, WITHOUT LVVMD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVMD APPROVAL.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVMD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

SHEET INDEX

- COVER
- NOTES, VICINITY MAP, SHEET INDEX, ETC.
- BOX CANYON DRIVE EXPANSION
- DI CONSTRUCTION @ TENAYA WAY AT PEAK DRIVE

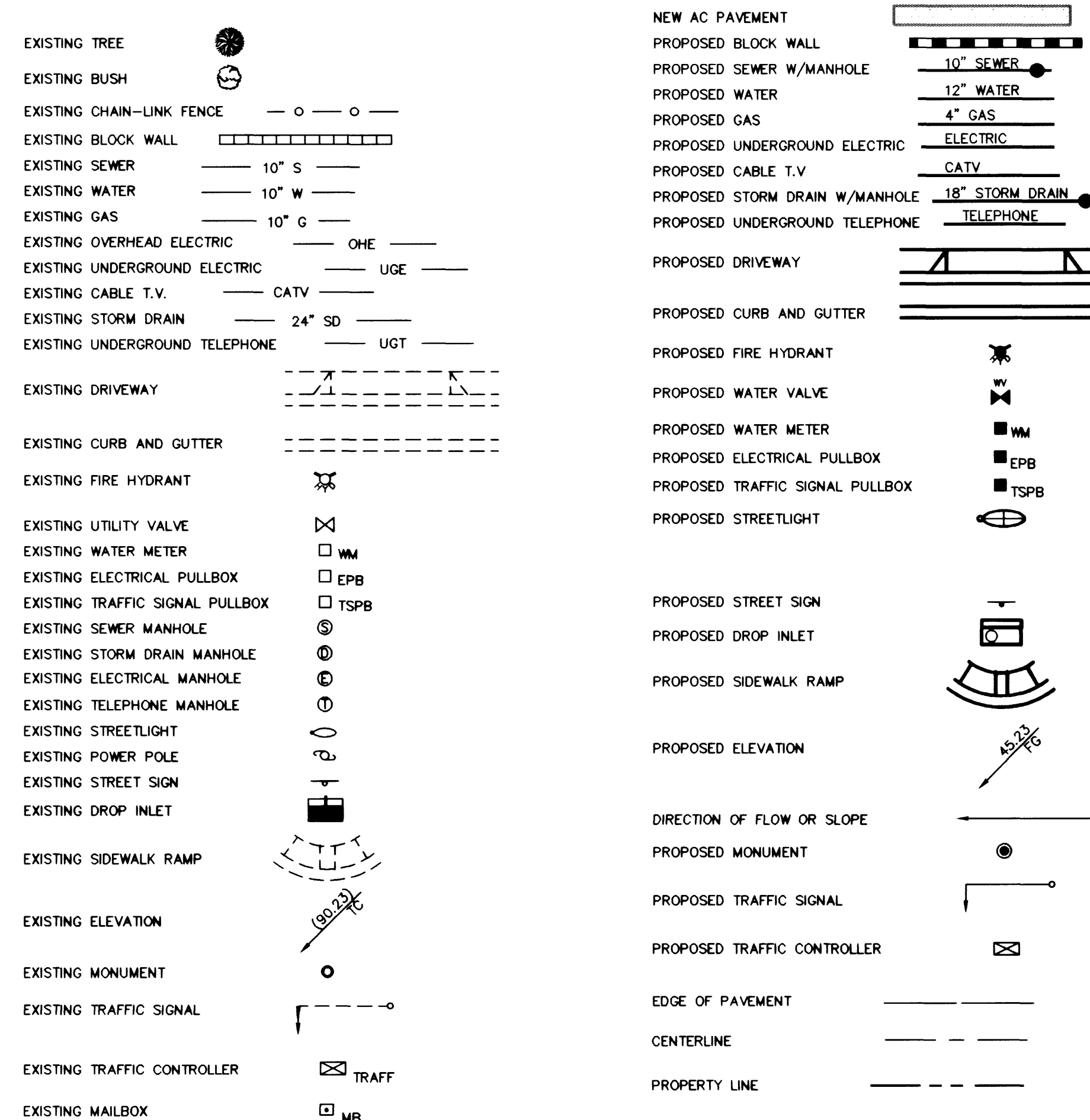
PROJECT VICINITY



ABBREVIATIONS

●	AT	LF	LINEAR FEET
AC	ASPHALTIC CONCRETE	LT.	LEFT
AGG	AGGREGATE	MAX.	MAXIMUM
APPROX.	APPROXIMATE	MH	MANHOLE
ASSY.	ASSEMBLY	MIM	MINIMUM
BOC, BC	BACK OF CURB	MTL	MATERIAL
BCR	BACK OF CURB RADIUS	N.	NORTH
BLDG.	BUILDING	NAP	NOT A PART
BLK.	BLOCK	NIC	NOT IN CONTRACT
BM	BENCHMARK	NTS	NOT TO SCALE
BVCS	BEGINNING VERTICAL CURVE STATION	OG	ORIGINAL GROUND
BVCE	BEGINNING VERTICAL CURVE ELEVATION	OHE	OVERHEAD ELECTRIC
BW OR BOW	BACK OF WALK	PAVT.	PAVEMENT
CL	CENTERLINE	PC	POINT OF CURVE
CATV	CABLE T.V.	PI	POINT OF INTERSECTION
CLV	CITY OF LAS VEGAS	PP	POWER POLE
COMM.	COMMERCIAL	PT	POINT OF TANGENCY
CONC., PCC	CONCRETE	PB	PULLBOX
CONST.	CONSTRUCTION	R, PL	PROPERTY LINE
OCSD	CLARK COUNTY STANDARD DRAWINGS	RCP	REINFORCED CONCRETE PIPE
CONDIT.	CONDUIT	RAD.	RADIUS
C & G	CURB AND GUTTER	RES	RESIDENTIAL
DET.	DETAIL	RET.	RETAINING
DIA.	DIAMETER	R.T.	RIGHT
DI	DROP INLET	R-O-W	RIGHT OF WAY
D/W	DRIVEWAY	R/W	RIGHT OF WAY
DWG.	DRAWING	S.	SOUTH
E.	EAST	SD	STORM DRAIN
EA.	EACH	SF	SQUARE FOOT
EG	EX. GROUND OR EDGE OF GUTTER	SHT.	SHEET
EOP, EP	EDGE OF PAVEMENT	SIM	SIMILAR
ELEV.	ELEVATION	SS	SANITARY SEWER
EVCS	END VERTICAL CURVE STATION	ST.	STREET
EVCE	END VERTICAL CURVE ELEVATION	STA	STATION
EXIST., EX.	EXISTING	STD.	STANDARD
EXP., JT.	EXPANSION JOINT	SY	SQUARE YARD
FOC	FACE OF CURB	S/W	SIDEWALK
FL	FLOWLINE	TC	TEMPORARY
FG	FINISHED GRADE	TMH	TOP OF MANHOLE
FH	FIRE HYDRANT	TRANS.	TRANSITION
FT.	FOOT/FEET	TYP.	TYPICAL
FUT.	FUTURE	UON	UNLESS OTHERWISE NOTED
GB	GRADE BREAK	VC	VERTICAL CURVE
GM	GAS METER	VG	VALLEY GUTTER
GV	GAS VALVE	WC	WHEEL CHAIR
HOR.	HORIZONTAL	W	WEST
INTX.	INTERSECTION	WM	WATER METER
INV.	INVERT	WPJ	WEAKENED PLANE JOINT
K	CURVE COEFFICIENT	WV	WATER VALVE
		W/	W/

LEGEND



Avoid cutting underground utility lines. It's costly.

Call before you Dig.

1-800-227-2600

APPROVED FOR CONSTRUCTION
 LAS VEGAS TECH CENTER
 ED NETTENSTROM, P.E.
 PROJECT MANAGER

2-24-99
 DATE

CITY OF LAS VEGAS DEPARTMENT OF PUBLIC WORKS

ENGINEERING DESIGN SECTION

LAS VEGAS TECH CENTER

MISC. IMPROVEMENTS

DESIGNED BY: EDW/MS

CHECKED BY: EBN

SCALE: 1" = 1'-0"

PROJECT NO: W-300X

2 OF 4 SHEETS

DRAWING NO. 107-V3011