SYMBOL	DESCRIPTION
AB	AGGREGATE BASE
ABN	ABANDON
AC	ASPHALT CONCRETE
ACP	ASBESTOS CEMENT PIPE
ADJ	ADJUST
ADT	AVERAGE DAILY TRAFFIC
AHD	AHEAD
ALT	ALTERNATE
APPR	APPROACH
ASSY	ASSEMBLY
AVE	AVENUE
BC	BACK OF CURB
BK	BACK
BKF	BACKFILL
BLDG	BUILDING
BLVD	BOULEVARD
BM	BENCHMARK
BR	BRIDGE
BS	BACKSLOPE
C/A	CONTROL OF ACCESS
C TO C	CENTER TO CENTER
C & G	CURB AND GUTTER
CCPW	CLARK COUNTY PUBLIC WORKS
CCSD	CLARK COUNTY SANITATION DISTRICT
CAAP	CORRUGATED ALUMINUM ARCH PIPE
CF	CUBIC FEET
cfs	CUBIC FEET PER SECOND
CHNL	CHANNEL
CIDH	CAST-IN-DRILLED HOLE
Cl	CLASS
CL	CHAIN LINK
CLR	CLEAR, CLEARANCE
CMAP	CORRUGATED METAL ARCH PIPE
CMP	CORRUGATED METAL PIPE
CO	COUNTY
CONC	CONCRETE
COND	CONDUIT
CONN	CONNECTOR
CONST	CONSTRUCT(ION)
COORD	COORDINATE
COR	CORNER
CP	CONCRETE PIPE
CTB	CEMENT TREATED BASE
CU	CUBIC
CULV	CULVERT
CY	CUBIC YARDS
℄	CENTERLINE
△	DELTA, ANGLE POINT
D.I.P.	DUCTILE IRON PIPE
DBL	DOUBLE
DEG	DEGREE
DET	DETOUR
DI	DROP INLET
DIA	DIAMETER
DIST	DISTANCE
DR	DRIVE
DWG	DRAWING
DWY	DRIVEWAY
E	EAST
EA	EACH
EASE	EASEMENT
ELEC	ELECTRICAL
ELEV	ELEVATION
EMB	EMBANKMENT
E.P.	EDGE OF PAVEMENT
EQ	EQUATION
E.S.	EDGE OF SHOULDER
EXC	EXCAVATION
EXIST	EXISTING
F ACCT or FA	FORCE ACCOUNT
FA	FIRE ALARM
F.B.D.	FLAT BOTTOM DITCH

SYMBOL	DESCRIPTION
FDN	FOUNDATION
FC	FACE OF CURB
F & C	FRAME AND COVER
FG	FINISHED GRADE
F & G	FRAME AND GRATE
FH	FIRE HYDRANT
FLR	FLARE
FL	FLOW LINE
FR	FRONTAGE ROAD
FS	FILL SLOPE
FT	FOOT (FEET)
FWY	FREEWAY
GAL	GALLON
GR	GUARDRAIL
HB	RAILROAD SWITCH POINT HEAD BLOCK
HGL	HYDRAULIC GRADE LINE
HORIZ	HORIZONTAL
HW	HEADWALL
HWY	HIGHWAY
INV	INVERT
JT	JOINT
JUNC	JUNCTION
L	LENGTH OF CURVE
LB	POUND
LF	LINEAR FEET
LN	LANE
LOC	LOCATION
LOL	LAYOUT LINE
LS	LUMP SUM
LT	LEFT
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
M	METER BOX (TYP) LVVWD
MATL	MATERIAL
MAX	MAXIMUM
MDM	MOUNT DIABLO MERIDIAN
MED	MEDIAN
MES	METAL END SECTION
MH	MANHOLE
MI	MILE(S)
MIN	MINIMUM
MISC	MISCELLANIOUS
MJ	MECHANICAL JOINT
MOD	MODIFIED OR MODIFY
MON	MONUMENT
MP	MILE POST
MPH	MILES PER HOUR
NDOT	NEVADA DEPARTMENT OF TRANSPORTATION
N	NORTH
NO	NUMBER
NPW	NON POTABLE WATER
O.C.	ON CENTER
OHCTV	OVERHEAD CABLE TELEVISION
OHP	OVERHEAD POWER
OHT	OVERHEAD TELEPHONE
P OR UGP	UNDERGROUND POWER LINE
PB	PULL BOX
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PCCP	PORTLAND CEMENT CONCRETE PAVING
PED	PEDESTRIAN
PG	PROPOSED GRADE
PI	POINT OF INTERSECTION
P.L.	PROPERTY LINE
P.O.E.	POINT ON END
P.O.B.	POINT ON BEGINNING
P.O.C.	POINT ON CURVE
P.O.T.	POINT ON TANGENT
PPCBR	PORTABLE PRECAST CONCRETE BARRIER RAIL
PP	POWER POLE
PROP	PROPOSED
PROP. LTD. PART.	PROPERTY LIMITED PARTNERSHIP
PSI	POUNDS PER SQUARE INCH

SYMBOL	DESCRIPTION
PT	POINT OF TANGENCY
PU	PERFORATED UNDERDRAIN
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
Q	FLOW
R	RADIUS
R.	RANGE
RCB	REINFORCED CONCRETE BOX CULVERT
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RDWY	ROADWAY
RLS	REGISTERED LAND SURVEYOR
RR	RAILROAD
RT	RIGHT
RTE	ROUTE
RW	RETAINING WALL
R/W	RIGHT OF WAY
S	SOUTH
SCCP	STEEL CYLINDER CONCRETE PIPE
SD	STORM DRAIN
SEC	SECTION
SHLDR	SHOULDER
SHT	SHEET
SQ	SQUARE
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
ST	STREET
STL	STEEL
STR	STRUCTURE
SURF	SURFACING, SURFACE
S/W	SIDEWALK
SY	SQUARE YARD
T.	TOWNSHIP
T OR TEL	TELEPHONE
TAN	TANGENT
TC	TOP OF CURB
TCB	TRAFFIC CONTROL BOX
TEMP	TEMPORARY
T.O.	RAILROAD TURNOUT SWITCH
TS	TRAFFIC SIGNAL
TYP	TYPICAL
TYP SEC	TYPICAL SECTION
UB	UTILITY BOX
UD	UNDERDRAIN
UGP	UNDERGROUND POWER
UP	UNDERPASS
USDCCA	UNIFORM STAND. DRAWINGS CLARK COUNTY AREA
V	DESIGN SPEED
VAL	VALVE
VAR	VARIABLE
VC	VERTICAL CURVE
VERT	VERTICAL
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT INTERSECTION
VPT	VERTICAL POINT OF TANGENT
W	WATER
WM	WATER METER
WT	WEIGHT
XING	CROSSING
X SEC	CROSS SECTION
YD	YARD

SYMBOL	DESCRIPTION
23	CALCULATED CONTROL POINT
29	MONUMENTED CONTROL POINT
	CONCRETE BARRIER RAIL (DOUBLE FACE)
	CONCRETE BARRIER RAIL (SINGLE FACE)
	GALVANIZED GUARDRAIL
	RAILROAD
	EXISTING BUILDING, PROPOSED BRIDGE STRUCTURE, STRUCTURAL EXCAVATION
	TRAFFIC LANE LINE
	TEST BORING HOLE
	DROP INLET WITH CONCRETE APRON
	FLAT BOTTOM DITCH
	V-DITCH
D.I.	DROP INLET
4:1	GROUND SLOPE
	ROCK LINED DITCH
R/W	EXISTING RIGHT OF WAY
	FENCE
	RIGHT OF WAY AND CONTROL OF ACCESS WITH FENCE
	CONTROL OF ACCESS WITH FENCE
M	METER
	FENCE GATE
	WATER SURFACE ELEVATION
	DRIVEWAY - CURB CUT
V	EXISTING WATER VALVE
V	NEW WATER VALVE
FH	FIRE HYDRANT
℄	CENTER LINE
R	PROPERTY LINE
SEC	SECTION LINE
	EXIST. SIGN GROUND MOUNTED
	EXISTING LIGHTING POLE
	EXISTING SERVICE PEDESTAL
	WATER VALVE VAULT
MH	EXISTING MANHOLE
	MANHOLE
UB	UTILITY BOX
FA	FIRE ALARM

SYMBOL	DESCRIPTION
W W	WATER
G G	GAS
T T	TELEPHONE
P P	POWER
UGP UGP	UNDERGROUND POWER
SS	SANITARY SEWER
SD	STORM DRAIN
OHP OHP	OVERHEAD POWER
OHT OHT	OVERHEAD TELEPHONE
CTV CTV	CABLE TELEVISION
OHCTV OHCTV	OVERHEAD CABLE TELEVISION
	POLE
	NEW PULLBOX
	SPECIAL JUNCTION BOX IN MEDIAN BARRIER JUNCTION BOX (A)
	UTILITY POLE
	CONDUIT
Z	Z = CONDUIT RUN NUMBER
	TRAFFIC SIGNAL CONTROLLER LIGHTING CONTROL CENTER
	EXISTING LUMINAIRE
	NEW LUMINAIRE
H	H = POLE IDENTIFICATION
PB	EXISTING PULL BOX
	LOOP DETECTOR
	TRAFFIC SIGNAL
	MAST ARM SIGNAL POLE
	CONSTRUCTION SIGN
	PROPOSED IMPROVEMENT
	EXISTING ROADWAY
#	BENCHMARK
	NEW LIGHTING POLE
	SAWCUT PAVEMENT
	TYPE 4 LANE LINE
	LANE LINE
	TURN TRACK
	POTHOLE POINT
W	OBSERVATION WELL
	STREET LIGHT CONDUIT

FA FIRE ALARM

STREET LIGHT CONDUIT

52456

RECORD DRAWING METRIC

REVISIONS	DATE
RECORD DRAWING	4/30/03

PROJECT # 31604 | DESIGN BY ---
SCALE (V) N/A | DATE DEC 17, 1999
SCALE (H) N/A | FLD. BK. # N/A

PARSONS BRINCKERHOFF
Las Vegas, Nevada

CITY OF LAS VEGAS NEVADA

DEPARTMENT OF PUBLIC WORKS

I-15 FREEWAY CHANNEL
ABBREVIATIONS AND SYMBOLS

STATE OF NEVADA
JOHN P. CLARK
CIVIL
No. 11510
PROFESSIONAL ENGINEER

DRAWING No. G-4 | 5/241

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