

6/25/09 F:\DEPOT\CITY_ENGINEER\ENG_DESIGN\DESIGN\PRE-CITY HALL UTILITY & PAVING PROJECT\DWG\1. DESIGN\CITY HALL GARAGE\DESIGN\CITY HALL GARAGE--DESIGN.DWG

- REV. DATE DECEMBER 27, 2007

AG	AT	MCP	MULTI-LAYER COMPOSITE PIPE
AC	ASPHALTIC CONCRETE	NPC	NEVADA POWER COMPANY
ACP	ASBESTOS CEMENT PIPE	NTS	NOT TO SCALE
AE	AUTHORIZATION TO ENTER PROPERTY	OH	OVERHEAD POWER LINE
BC, BC	BACK OF CURB	PC	POINT OF CURVE
BCR	BACK OF CURB RADIUS	P.I.P.	PROTECT IN PLACE
BM	BENCHMARK	PP	POWER POLE
BOT	BOTTOM	PT	POINT OF TANGENCY
B.R.	BACK OF RAMP	PRC	POINT OF REVERSE CURVE
C, CL	CENTERLINE	FL	PULLBOX
CATV	CABLE T.V.	FL	PROPERTY LINE
CC	CITY OF LAS VEGAS	R	RADIUS
COMM.	COMMERCIAL	RT	RIGHT
CONC.	CONCRETE	-R/W, R.O.W.	RIGHT OF WAY
COND.	CONDUCTOR	SCOP	STEEL CYLINDER CONCRETE PIPE
CLSM	CONTROLLED LOW STRENGTH MATERIAL	SD	STORM DRAIN
D/W	DRIVEWAY	ST	SQUARE FOOT
ECR	END OF CURB RETURN (AT B/C)	SFA	STATION
ELEC.	ELECTRIC	STD.	STANDARD
EOP, EP	EDGE OF PAVEMENT	SV	SQUARE YARD
ELEV.	ELEVATION	SW	SIDEWALK
EXIST., EX.	EXISTING	T	TELEPHONE LINE
EXOH	EXISTING OVERHEAD UTILITY	TC	TOP OF CURB
FD	FOUND	TEL	TELEPHONE
FL	FLOWLINE	TRANS.	TRANSITION
FG	FINISHED GRADE	T.R.C.	TOP OF RAMP CURB
FH	FIRE HYDRANT	TS	TRAFFIC SIGNAL
FT	FOOT/FEET	TYP.	TYPICAL
FC	FACE OF CURB	U.S.D.	UNIFORM STANDARD DRAWING
G	GAS	W	WATER LINE
GV	GAS VALVE	WC	WHEEL CHAIR
GW	GUY WIRE	WM	WATER METER
INT.	INTERSECTION	WV	WATER VALVE
IRR	IRRIGATION	W	WITH
L	LENGTH	△	INCLUDED DELTA ANGLE
LF	LINEAL FOOT, LINEAR FEET		
LT	LEFT		
MH	MANHOLE		

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
4. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
5. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICED:

COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE
COMPACTION SHALL COMPLY WITH THE REQUIREMENTS OF THE ENGINEER.

- REV. DATE JULY 2008

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SUGGESTED ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE PROVIDED WITH SECOND GRADE PLUS CLASS B REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREET NAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5) FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ON THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS CITY OF WAY.
11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. THE COST OF THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECTS OFFSITE INSPECTOR PRIOR TO BEGINNING PAVING CONSTRUCTION. THE DIVISION WILL REVIEW AND APPROVE ANY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY BE REQUIRED. THE DIVISION WILL REVIEW AND APPROVE ALL MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

REVISÉD 05/05/2008

1. THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO CONSECUTIVE BUS STOPS ON THE SAME SIDE OF THE STREET. TEMPORARY CLOSURES SHALL BE PWD/PERSON'S WITH DISABILITY ACCESSIBLE. BEFORE ANY BUS STOP CAN BE CLOSED, THE CONTRACTOR SHALL NOTIFY REX FOLEGMAN AT (702) 400-9975 FOR APPROVAL A MINIMUM OF 48 HOURS IN ADVANCE.
2. THE CONTRACTOR SHALL PROVIDE A BUS STOP CLOSURE SCHEDULE (BSCS) WITH THE TRAFFIC CONTROL PLAN. THE BSCS SHALL IDENTIFY SPECIFIC DURATIONS AND TIMES OF DAY FOR ALL PROPOSED BUS STOP CLOSURES. BUS STOP CLOSURES ARE NOT TO EXCEED TWO CONSECUTIVE BUS STOPS AT A TIME OR 100 FEET AT A TIME. PERSONS WITH DISABILITIES HAVE ACCESS TO BUS STOPS. THE CONTRACTOR SHALL PROVIDE A 100 FEET LONG X 10 FEET WIDE GRAVELED TURN OUT AT BUS STOPS.

	AREA LIGHT		STORM DRAIN INLET
	BENCHMARK		STORM DRAIN MH
	ELEC. VAULT/CABINET		STREET LIGHT
	ELECTRIC MANHOLE		STREET LIGHT PB
	ELECTRIC METER		TELEPHONE MH
	FIRE HYDRANT		TELEPHONE PB
	FOUND MONUMENT		TRAFFIC SIGNAL POLE
	GAS METER		TRAFFIC SIGNAL PB
	GAS VALVE		TV PULLBOX
	IRR. CONTROLLER		UTILITY POLE
	IRR. VALVE		UTILITY POLE GUY WIRE
	LOOP DETECTOR		UTILITY VAULT
	SANITARY SEWER MH		WATER VAULT/CABINET
	SET MONUMENT		WATER MANHOLE
	SIDEWALK RAMP		WATER METER
	SIGN		WATER VALVE

1	CV	COVER SHEET
2	GN	NOTES, LEGEND, KEY MAP AND INDEX

ATTACHED: NV ENERGY PLANS, SHEETS 1 - 8



**MENT OF PUBLIC WORKS
ENGINEERING DESIGN SECTION**

CITY ENGINEER: **CHERI L. EDELMAN, P.E.**
PROGRAM MANAGER: **JEREMY P. LEAVITT, PE**

SYMPHONY PARK
OFF-SITE ELECTRICAL CONDUIT SYSTEM
NOTES, LEGEND, KEY MAP AND INDEX

RULES

Sheet

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DRAWING NO.
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