

LAS VEGAS ST. LIGHTING NOTES
AND SPECIFICATIONS

240 VOLT SINGLE PHASE TWO WIRE SYSTEMS - UNDERGROUND

ALL STREET LIGHT INSTALLATIONS SHALL CONFORM TO THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF LAS VEGAS, AND SHALL ALSO CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION, UNLESS OTHERWISE NOTED.

STREET LIGHTING STANDARDS SHALL BE AS SHOWN BY DRAWING NO. 309, PAGE 68 OF UNIFORM STANDARD DRAWINGS AND MUST CONFORM TO ANY OTHER APPLICABLE SECTIONS OF THE UNIFORM STANDARD SPECIFICATIONS.

ON 80' RIGHT-OF-WAY STREETS THERE SHALL BE 2 POLES ON DIAGONAL CORNERS.

ON 100' RIGHT-OF-WAY STREETS THERE SHALL BE ONE POLE AT EACH CORNER.

HIGH PRESSURE SODIUM LUMINARIES TO BE USED ON 51' AND 60' RIGHT-OF-WAY STREETS SHALL BE 100 WATT, 240 VOLT I.E.S. DISTRIBUTION TYPE 3, WITH INTEGRAL CONSTANT WATTAGE BALLAST, SIMILAR TO GENERAL ELECTRIC TYPE M-250A, CATALOGUE NO. 7280584 OR APPROVED EQUAL.

HIGH PRESSURE SODIUM LUMINARIES TO BE USED ON 80' RIGHT-OF-WAY STREETS AND OVER SHALL BE 250 WATT, 240 VOLT I.E.S. DISTRIBUTION TYPE 3, WITH INTEGRAL CONSTANT WATTAGE BALLAST, SIMILAR TO GENERAL ELECTRIC TYPE M-400A, CATALOGUE NO. 7246804 OR APPROVED EQUAL. 100 WATT HIGH PRESSURE SODIUM LAMPS SHALL BE SYLVANIA LUT00 OR APPROVED EQUAL.

250 WATT HIGH PRESSURE SODIUM LAMPS SHALL BE SYLVANIA LU250 OR APPROVED EQUAL. PHOTO CELL AND CONTROL TO BE 120 VOLTS; FISHER-PIERCE 6660 OR APPROVED EQUAL.

SPACING OF STANDARDS SHALL BE 180 FEET MAXIMUM ON 51' AND 60' RIGHT-OF-WAY STREETS ON ONE SIDE. SPACING OF STANDARDS SHALL BE 180 FEET MAXIMUM ON 80' RIGHT-OF-WAY STREETS ON EACH SIDE AND STAGGERED. SPACING OF STANDARDS ON 100' RIGHT-OF-WAY STREETS OR MORE SHALL BE 120 FEET MAXIMUM ON EACH SIDE AND STAGGERED.

SCHEDULE 40 RIGID NON-METALLIC CONDUIT (PVC) OR APPROVED EQUAL COMPLYING WITH ARTICLE 347 OF THE NATIONAL ELECTRICAL CODE MAY BE USED FOR UNDERGROUND APPLICATIONS AND SHALL BE WITHIN 12" OF BACK OF CURB AND SHALL HAVE 24" COVER. FUSE HOLDERS AND CONNECTORS SHALL BE INSTALLED IN THE BASES OF ALL LIGHTING STANDARDS. FUSE HOLDERS SHALL BE BUSS-TRON-HEX-AA, WITH RUBBER BOOTS.

BASE COVERS FOR LIGHTING STANDARDS ARE NOT TO BE INSTALLED BEFORE BREAKOUT CAPS ARE PLACED AND INSPECTED. ALL MATERIAL USED IN UNDERGROUND WIRING, IN BREAKOUT CAPS AND UNDER BASE COVERS IS TO BE INSPECTED BEFORE INSTALLATION. FOUNDATIONS SHALL BE CONSTRUCTED AND LOCATED TO LINE AND GRADE AS DIRECTED BY THE FIELD ENGINEER. LIGHTING STANDARD AND MAST ARM CABLE TO LUMINARIES SHALL BE 10/2 U.F. TYPE 600 VOLT COPPER CABLE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING DAMAGE TO PROPERTY, EITHER PUBLIC OR PRIVATE, AND IN THE EVENT OF SUCH DAMAGE, SHALL MAKE SATISFACTORY REPAIRS AT HIS OWN EXPENSE. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS, IF REQUIRED.

THE SERVICE POINT STANDARD IS TO BE INSTALLED AT THE APPROVED LOCATION SHOWN ON PLANS AND SHALL CONFORM TO DRAWING NO. 325, PAGE 84, OF THE UNIFORM STANDARD DRAWINGS. IN THE SELECTION OF 100 AND 250 WATT HIGH PRESSURE SODIUM LUMINARIES TO BE USED IN A PARTICULAR DEVELOPMENT, ONE APPROVED MANUFACTURER SHALL BE SPECIFIED.

THESE SPECIFICATIONS BECOME EFFECTIVE ON ALL CITY OF LAS VEGAS MULTIPLE STREET LIGHTING DESIGNS APPROVED ON OR AFTER JUNE 1, 1977. THESE SPECIFICATIONS SHALL BE SUPERSEDED BY ANY REVISED SPECIFICATIONS IN EXISTENCE AT THE TIME OF INSTALLATION.

DEVIATIONS TO STANDARD DRAWINGS

NONE

LEGEND

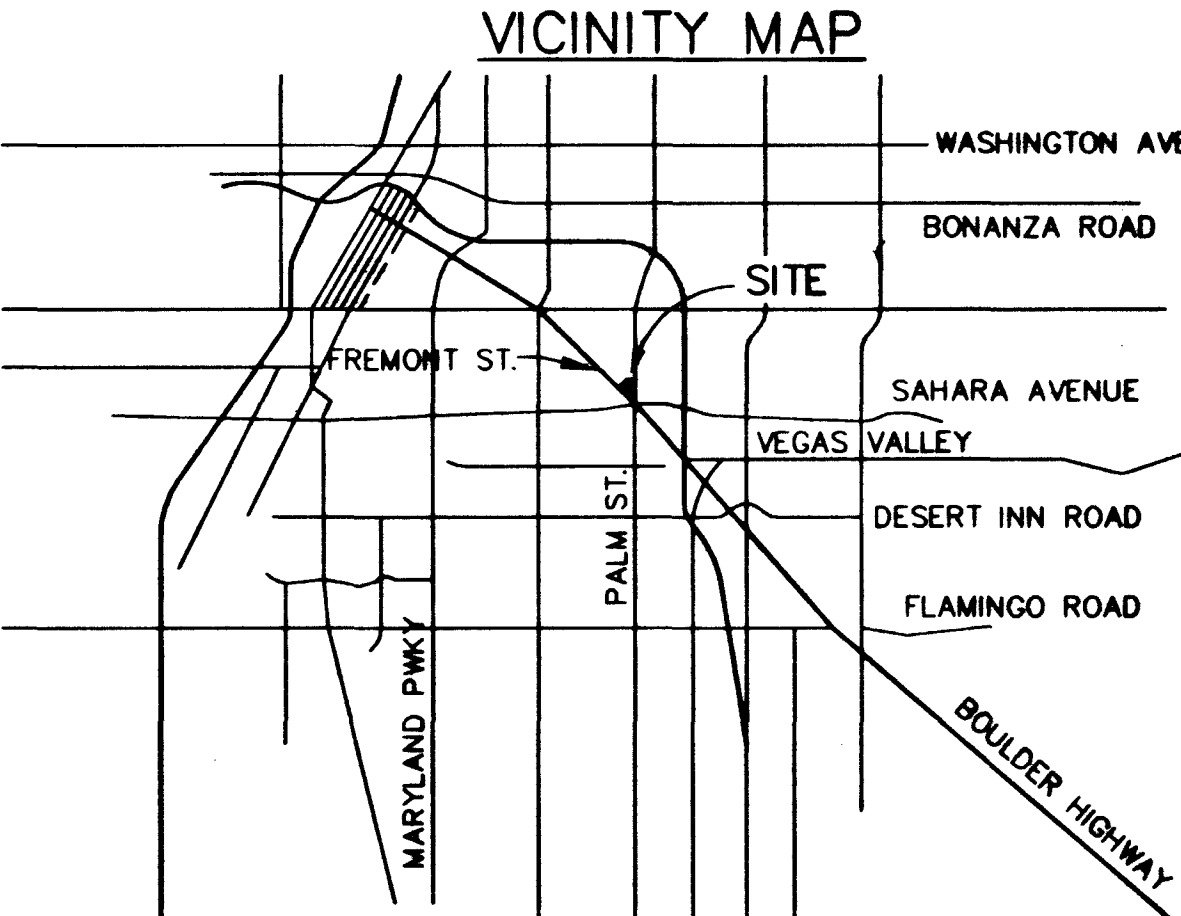
	EXISTING	CONSTRUCT
1' CONTOUR LINE	---	---
5' CONTOUR LINE	---	---
CONTOUR LABEL	2005	2005
CENTERLINE OR SURVEY LINE	---	---
EASEMENT LINE	---	---
RIGHT-OF-WAY OR PROPERTY LINE	---	---
SECTION LINE	---	---
EDGE OF PAVEMENT	---	---
WHEELCHAIR RAMP	---	---
"A" CURB	---	---
BLOCK NUMBER	①	①
DRIVEWAY	---	---
"L" TYPE CURB AND GUTTER W/SIDEWALK	---	---
LOT NUMBER	③	③
VALLEY GUTTER	---	---
CROWN LINE	---	---
GRADE BREAK	---	---
HIGH POINT = PAD ELEVATION	---	---
HINGE LINE	---	---
SAW-CUT LINE - P.W.M., CONC. OR P.C.C. CONC.	---	---
2 : 1 SCARP	---	---
BLOCKWALL WITH/WITHOUT RETAINING WALL	---	---
DESIGN ELEVATION	(10.00)	10.00
FLOW LINE OF DITCH OR CHANNEL	---	---
VIEW FENCE WALL	---	---
FENCE	---	---
PAD ELEVATION	(00.0)	00.0
FIRE HYDRANT	---	---
WATER VALVE	---	---
MANHOLE	---	---
SD = STORM DRAIN	---	SD
SEWER BLDG. LATERAL	---	---
SS = SANITARY SEWER	---	SS
T = TELEPHONE	---	T
W = WATER	---	W
UTILITY CAP OR PLUG	---	---
EXISTING STREETLIGHT	---	---
POLE WITH GUY ANCHOR	---	---
PUBLIC SERVICE UTILITY POLE	---	---
PULL BOX	---	---
SERVICE POINT	---	---
STREET NAME SIGN	---	---
STOP SIGN	---	---
TRAFFIC SIGNAL POLE	---	---
TRAFFIC SIGNAL POLE WITH LUMINAIRE	---	---

GENERAL NOTES

- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO SAID CONSTRUCTION, EXTENT OF TRANSITIONS TO BE DETERMINED BY THE COUNTY ENGINEER.
- LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED FROM INFORMATION RECEIVED FROM THE APPLICABLE UTILITY COMPANIES, NEITHER THE OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES OR STRUCTURES NOT SHOWN, OR NOT IN THE LOCATION SHOWN ON THE DRAWINGS, CONTRACTOR TO VERIFY THE EXACT LOCATION OF UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR'S RESPONSIBILITY REGARDING UTILITIES SHALL BE AS REQUIRED UNDER SECTION 107.17 OF THE UNIFORM STANDARD SPECIFICATIONS FOR THE CLARK COUNTY AREA, NEVADA AND AS PROVIDED IN THE SPECIFICATIONS. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING OVER OR NEAR THE EXISTING GAS MAINS.
- ALL CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF DESIGN AND CONSTRUCTION STANDARDS OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFFSITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, EXCEPT AS MODIFIED BY THE CONTRACT DRAWINGS AND SPECIFICATIONS.
- 48 HOURS PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL CONTACT:
CLARK COUNTY SANITATION DISTRICT 458-1180
LAS VEGAS VALLEY WATER DISTRICT 657-2200
NEVADA POWER COMPANY 1-800-227-2800
SPRINT CENTRAL TELEPHONE 1-800-227-2600
SOUTHWEST GAS COMPANY 876-7220
PRIME CABLE 384-4000
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- ALL BARRICADING AND TEMPORARY TRAFFIC CONTROL DEVICES OR METHODS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK, 1986" PUBLISHED BY THE STATE OF NEVADA, DEPARTMENT OF HIGHWAYS, EXCEPT AS OTHERWISE PROVIDED IN THE CONTRACT SPECIFICATIONS OR REQUIRED BY THE ENGINEER.
- EXACT LOCATION OF ALL SAWCUTS ARE TO BE DETERMINED IN THE FIELD BY THE CLARK COUNTY ENGINEER.
- ALL CONCRETE FOR THE PROJECT SHALL BE TYPE V SIX SACK MIX.
- ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO "IMPROVEMENT STANDARDS", DEPARTMENT OF PUBLIC WORKS, CLARK COUNTY, NEVADA (MOST RECENT REVISION).
- ALL WORK DONE WITHIN THE PUBLIC RIGHT-OF-WAY AND OUTSIDE OF THE PROJECT BOUNDARIES REQUIRES A SEPARATE ENCROACHMENT PERMIT ISSUED BY THE CLARK COUNTY DEPARTMENT OF PUBLIC WORKS, TRENCH AND PAVEMENT REPLACEMENT CONDITIONS SHALL BE AS PER PERMIT.
- WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER CLARK COUNTY AREA STANDARD 235 OR PER N.D.O.T. STD DWG. NO. R-5.1.1.1 AS SHOWN ON PLANS. EXACT LOCATION OF RAMPS SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.
- CURB AND GUTTER WITH A GRADE OF LESS THAN 4/10 OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING, EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
- FINAL ASPHALTIC CONCRETE (AC) PAVEMENT SURFACES SHALL BE ONE-HALF INCH ABOVE THE LIP OF GUTTER (INCLUDING OPEN GRADE).
- PRIVATE STREETS AND/OR DRIVEWAYS REFLECTED ON THESE PLANS ARE TO BE INSPECTED BY A CLARK COUNTY INSPECTOR.

ABBREVIATIONS

AC	ASPHALTIC CONCRETE	MIN	MINIMUM
ACP	ASBESTOS CEMENT PIPE	NG	NATURAL GROUND
ADJ	ADJUST	NO	NUMBER
BC	BACK OF CURB	OC	ON CENTER
BCR	BEGINNING OF CURB RETURN	OD	OUTSIDE DIAMETER
BDRY	BOUNDARY	P	POWERLINE
BEG	BEGIN	PC	POINT OF CURVATURE
BEN	BENCHMARK	PCC	POINT OF COMPOUND CURVE
BEN	BACK OF SIDEWALK	PG	PAD GRADE
BVC	BEGINNING OF VERTICAL CURVE	PHP	PLASTIC HIGH PRESSURE
C & G	CURB AND GUTTER	PI	POINT OF INTERSECTION
CF	CURB FACE	PL	PROPERTY LINE
CIP	CAST IRON PIPE	PP	POWER POLE
CL	CENTERLINE	PRC	POINT OF REVERSE CURVE
CMP	CORRUGATED METAL PIPE	PROP	PROPOSED
CONC	CONCRETE	PT	POINT OF TANGENT
CONST	CONSTRUCT	PVC	POLY VINYL CHLORIDE PIPE
DC	DEPRESSED CURB	PV	POINT OF VERTICAL INTERSECTION
DI	DROP INLET	PVMT	PAVEMENT
DIA	DIAMETER	Q	RAVE OF FLOW
DIP	DUCTILE IRON PIPE	R	RADIUS
DNH	DROP MANHOLE	RCP	REINFORCED CONCRETE PIPE
EC	END OF CURVE	RT	RIGHT
ECR	END OF CURB RETURN	R/W	RIGHT-OF-WAY
EL	ELEVATION	S	SANITARY SEWER
EP	EDGE OF PAVEMENT	SD	STORM DRAIN
EVC	END OF VERTICAL CURVE	SH	STEEL HIGH PRESSURE
EX	EXISTING	SHT	SHEET
FC	FACE OF CURB	SP	SPECIAL MANHOLE
FF	FINISHED FLOOR	STA	STATION
FG	FINISH GRADE	STD	STANDARD
FN	FIRE HYDRANT	STL	STEEL
FL	FLOW LINE	SW	SIDEWALK
G	GAS	T	TANGENT DISTANCE OR TELEPHONE
GB	GRADE BREAK	TC	TOP OF CURB
HGT	HIGH OR HEIGHT	TCH	TOP OF MANHOLE
HOR	HORIZONTAL	TRANS	TRANSITION
HP	HIGH POINT	TSC	TRAFFIC SIGNAL CONDUIT
ID	INSIDE DIAMETER	TSW	TOP OF SIDEWALK
INV	INVERT	TW	TOP OF WALL
LAT	LATERAL	VC	VERTICAL CURVE
LF	LINEAL FEET	VCP	VERTICAL CLAY PIPE
LS	LANDSCAPE	VERT	VERTICAL
LT	LEFT	VG	VALLEY GUTTER
MAX	MAXIMUM	W	WATER
MH	MANHOLE		



APPROVAL

[Signature] 12-18-96
SOUTHWEST GAS CORPORATION DATE
[Signature] 12-17-96
SPRINT CENTRAL TELEPHONE DATE
[Signature] 12-24-96
CITY ENGINEER DATE

APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHTS-OF-WAY AND/OR DEDICATED EASEMENTS, AND MAINTAINED BY THE CITY OF LAS VEGAS. 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 STANDARDS". THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN "DEVIATIONS FROM STANDARDS" IN FAVOR OF THE UNIFORM STANDARDS DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA.

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

[Signature] 12/19/96
CLARK COUNTY SANITATION DISTRICT DATE
SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY SANITATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS. THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OF TREATMENT SYSTEM.

APPROVALS

CLARK COUNTY, DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
ACCEPTANCE OF PLANS FOR FILING

BY:
ACCEPTANCE OF THE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND/OR SPECIFICATIONS, CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THIS CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN.

NOTE: POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY.

[Signature] 12/19/96
NEVADA POWER COMPANY DATE
THIS APPROVAL IS ONLY FOR STREETLIGHT RELOCATION AND CLEARANCE

INDEX OF SHEETS

- TITLE SHEET
- SITE GRADING PLAN
- TOPOGRAPHIC MAP
- STRIPING AND SIGNAGE PLAN

OWNER

ALLI ENTERPRISE LIMITED PARTNERSHIP
% BECKY IOLING
1104 CALICO RIDGE DRIVE
HENDERSON, NEVADA 89015

DEVELOPER

UGLY DUCKLING CORPORATION
2525 E. CAMELBACK ROAD, STE 1150
PHOENIX, ARIZONA 85016

BASIS OF BEARING

THE EAST LINE OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.B. & M., CLARK COUNTY, NEVADA AS SHOWN ON RECORD OF SURVEY FILE 24, PAGE 5 BEARING NORTH 00°03'15" WEST.

BENCHMARK

CLARK COUNTY BENCHMARK - NO. 28 6C12/6SWS
RIVET AND SQUARE PLATE IN TOP OF CURB, NORTH OF GLENN AVE. AND EAST OF BOULDER HWY. NEAR THE PC OF BOULDER HWY.
ELEVATION - 1822.02 (FEET) 555.354 (METERS)
NAVD 1988

DATE	
DESCRIPTION	
REVISION #	
SEAL	
JOB TITLE	TITLE SHEET
JOB #	96053
DATE	12/18/96
SCALE	NONE
DRAWN BY	VCS/CK
CADFILE	96053GPC.DWG
ATTACHED XREFS	
SHEET	1 OF 4

SAHARA AND BOULDER HIGHWAY
THE UGLY DUCKLING
A PORTION OF THE SOUTHEAST QUARTER (SE 1/4) OF THE
SOUTHEAST QUARTER (SE 1/4) OF SECTION 1, TOWNSHIP 21 SOUTH,
RANGE 61 EAST, M.D.B. & M., CLARK COUNTY, NEVADA
CLARK COUNTY

