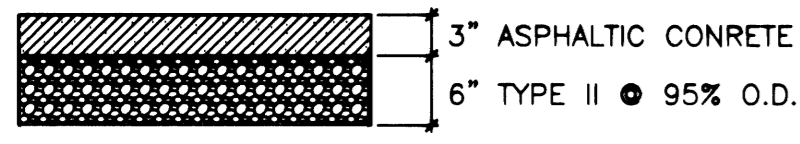


CLV GRADING NOTES

- 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.
 - 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.
 - 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.
 - THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
 - 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.
 - CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCE AND DEGREES OF COMPACTION, IN THE AREAS INDICATED.
- | | HORIZONTAL | VERTICAL | COMPACTION |
|---------------------------|------------|----------------|--------------------------------------|
| A. PAVEMENT AREA SUBGRADE | 0.1'+ | +0.0' TO -0.1' | AS INDICATED ON PLAN |
| B. ENGINEERED FILL | 0.5'+ | +0.1' TO -0.1' | MINIMUM OF 90% OR AS SHOWN ON PLANS. |
- COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE AND COPIES OF TEST RESULTS WILL BE PROVIDED TO THE CITY.
- ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
 - THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
 - THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
 - IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.
- CITY OF LAS VEGAS 9-3-97

CONSTRUCTION NOTES

- CONSTRUCT 7" WIDE 1' HIGH ASPHALTIC CONCRETE BERM
 - REMOVE AND REPLACE EXISTING 3' CONCRETE VALLEY GUTTER
 - SAWCUT AND REPLACE EXISTING ASPHALT
- 
- EXISTING CONCRETE RAMP TO REMAIN

EAST YARD TRANSFER STATION

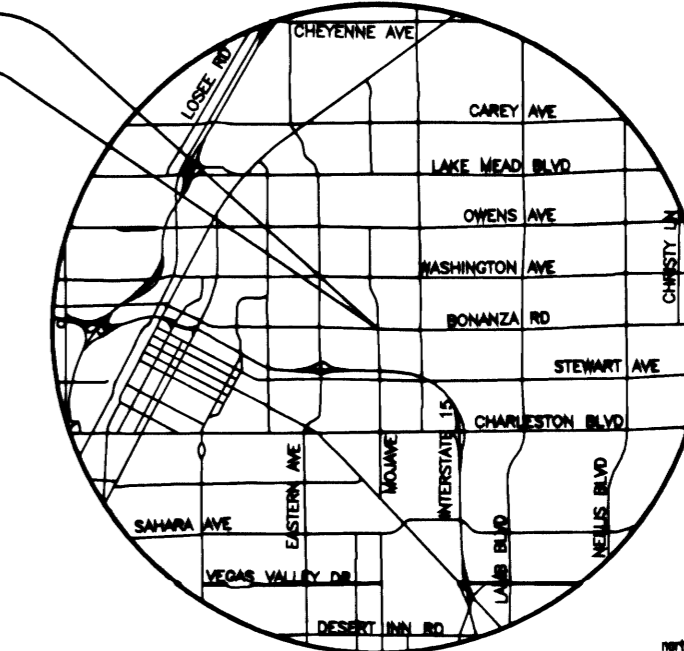
A PORTION OF THE SOUTHEAST QUARTER (SE 1/4), SECTION 25,
TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M.
CLARK COUNTY, NEVADA

APN 139-25-802-004

OWNER/DEVELOPER

CITY OF LAS VEGAS
400 STEWART AVE.
LAS VEGAS, NV 89101

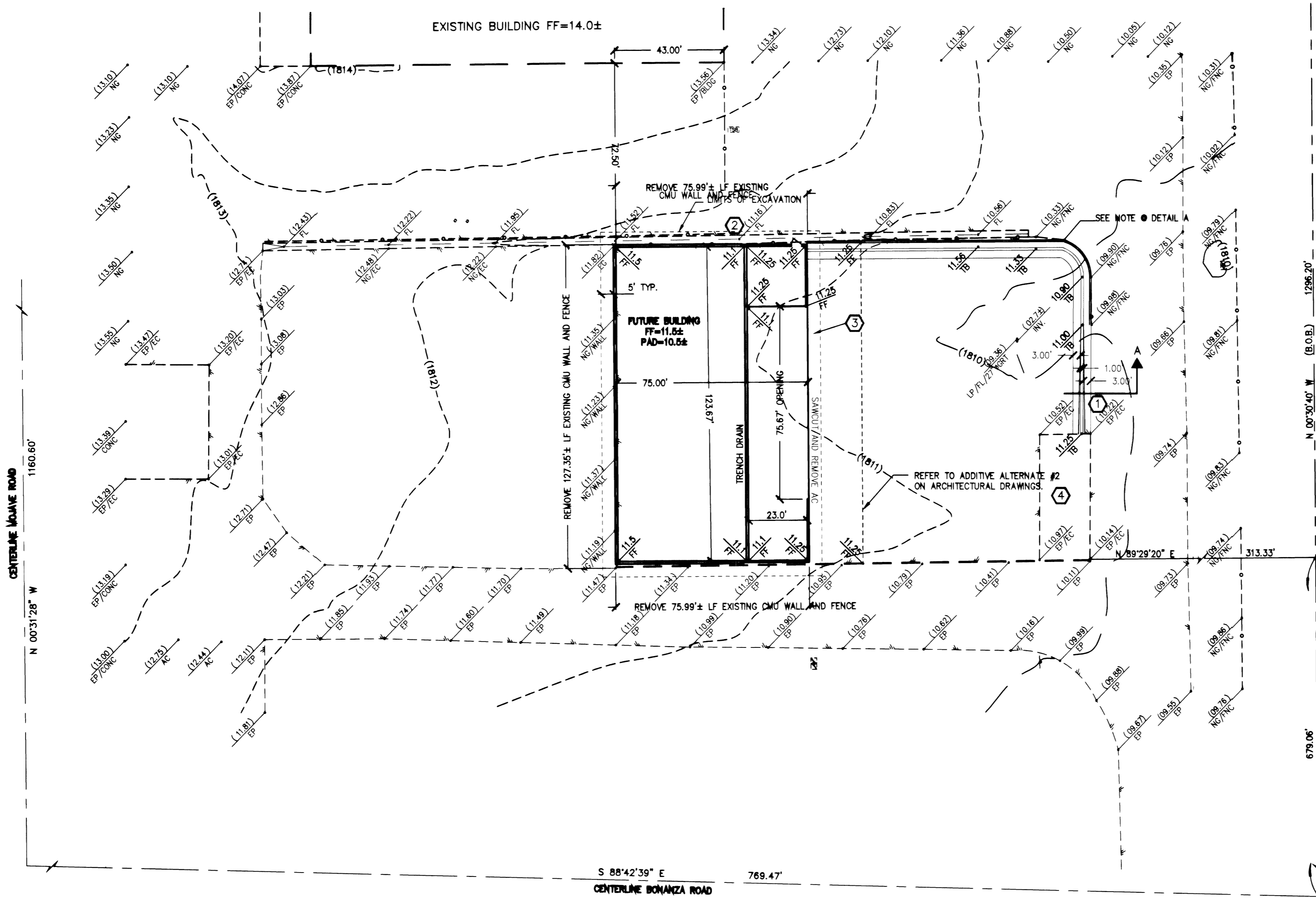
PROJECT LOCATION



VICINITY MAP:

LEGEND

- PROPERTY LINE
- - - EXISTING RETAINING OR CMU WALL
- - - EXISTING CHAIN LINK FENCE
- - - EXISTING/PROPOSED SAWCUT LINE
- - - EXISTING 3' VALLEY GUTTER
- BUILDING LINE
- - - EXISTING EDGE OF CONCRETE
- - - EXISTING EDGE OF PAVEMENT
- - - EXISTING BUILDING LINE
- - - EXISTING "X" WATER
- - - EXISTING WATER LINE
- - - EXISTING "X" SEWER
- - - EXISTING SEWER LINE
- - - EXISTING INDEX CONTOUR LINE
- - - EXISTING INTERMEDIATE CONTOUR LINE
- - - PROPOSED FIRE MAIN
- EXISTING FOUND MONUMENT
- EXISTING FIRE HYDRANT
- EXISTING GRADE (ELEVATION)
- EXISTING RATE OR SLOPE
- PROPOSED GRADE (ELEVATION)
- PROPOSED RATE OR SLOPE
- EXISTING AREA LIGHT
- ASPHALTIC CONCRETE
- CLEANOUT
- EDGE OF CONCRETE
- EDGE OF PAVEMENT
- FIRE DEPARTMENT CONNECTION
- FLOW LINE
- FENCE
- FINISH SURFACE
- GRADE BREAK
- LOW POINT
- TOP OF BERM
- NATURAL GROUND
- NOT TO SCALE
- TYPICAL
- WITHOUT
- WATER VALVE



APPROVALS:

Charles K. Kosman 10-11-2001
CHARLES K. KOSMAN, PE #4784
CLV CITY ENGINEER

APPROVAL OF THESE PLANS IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-OF-WAY AND/OR DEDICATED EASEMENTS. 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 STANDARD IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA

John Kosman 10/9/2001
JOHN KOSMAN, CURRENT PLANNING MANAGER
DATE
THIS PLAN MEETS THE APPLICABLE STANDARDS OF PLANNING AND DEVELOPMENT DEPARTMENT

BASIS OF BEARING

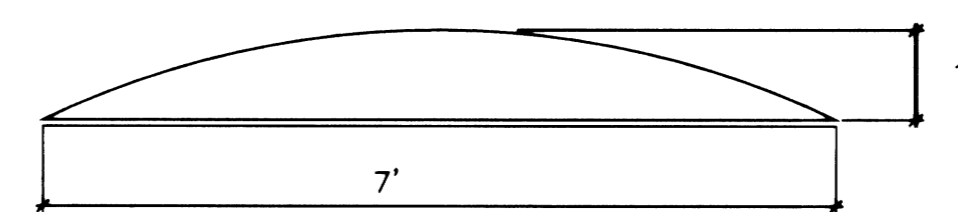
N 00°30'40"W BEING THE EASTERLY LINE OF LOT 4 OF PARCEL MAP FILE 86, PAGE 48

BENCHMARK

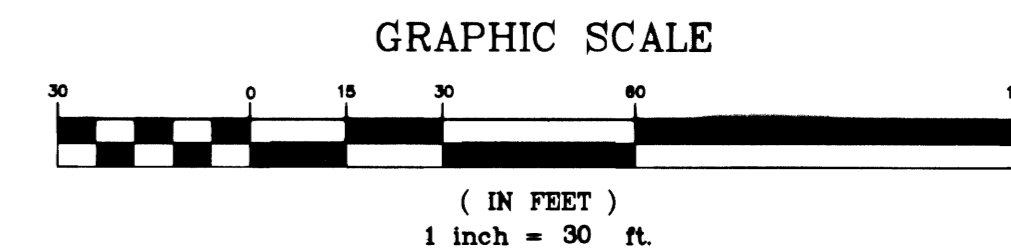
CLV BM STA 2LV012554 (NAVD 88)
RIVET AND PLATE IN TOP OF CURB, NORTHEAST RETURN MOJAVE ROAD AND BONANZA ROAD.
ELEVATION: 552.61 (METERS)
ELEVATION: 1813.01 (FEET)

ESTIMATED QUANTITIES ON-SITE

BERM
ASPHALTIC CONCRETE PAVEMENT 260 SY



DETAIL A -- ASPHALTIC CONCRETE BERM
NTS



Avoid overhead power line contact.
Call before you Overhead
1-702-593-6111
NEVADA POWER ENVIRONMENT SAFETY SERVICES DEPARTMENT



Job No. 21034
DATE: 08/13/01
VERT. SCALE: N/A
HORIZ. SCALE: 1"=30'
DRAWN BY: MRA
CHECKED BY: DD
SHEET 1 OF 2
CLV DWG # 107-V5493

REUSE OF DOCUMENTS
THIS DOCUMENT IS THE PROPERTY OF DWYER ENGINEERING, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN AUTHORIZATION OF DWYER ENGINEERING, INC.

APPROVED

REVISIONS

NO.	DATE	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER STATE OF NEVADA
DWYER ENGINEERING, INC.
DWYER CIVIL
NO. 7765

DWYER ENGINEERING, INC.
CIVIL ENGINEERING
2115 SOUTH MOJAVE ROAD, SUITE # 200
LAS VEGAS, NEVADA 89102
TEL: (702) 264-2200
FAX: (702) 264-2208

GRADING AND DRAINAGE PLAN
EAST YARD TRANSFER STATION
BONANZA AND MOJAVE ROAD
LAS VEGAS, NEVADA
APN 139-25-802-006
SECTION 25, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M.