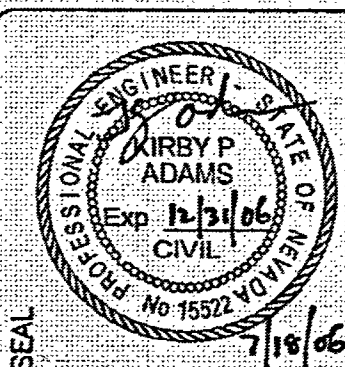
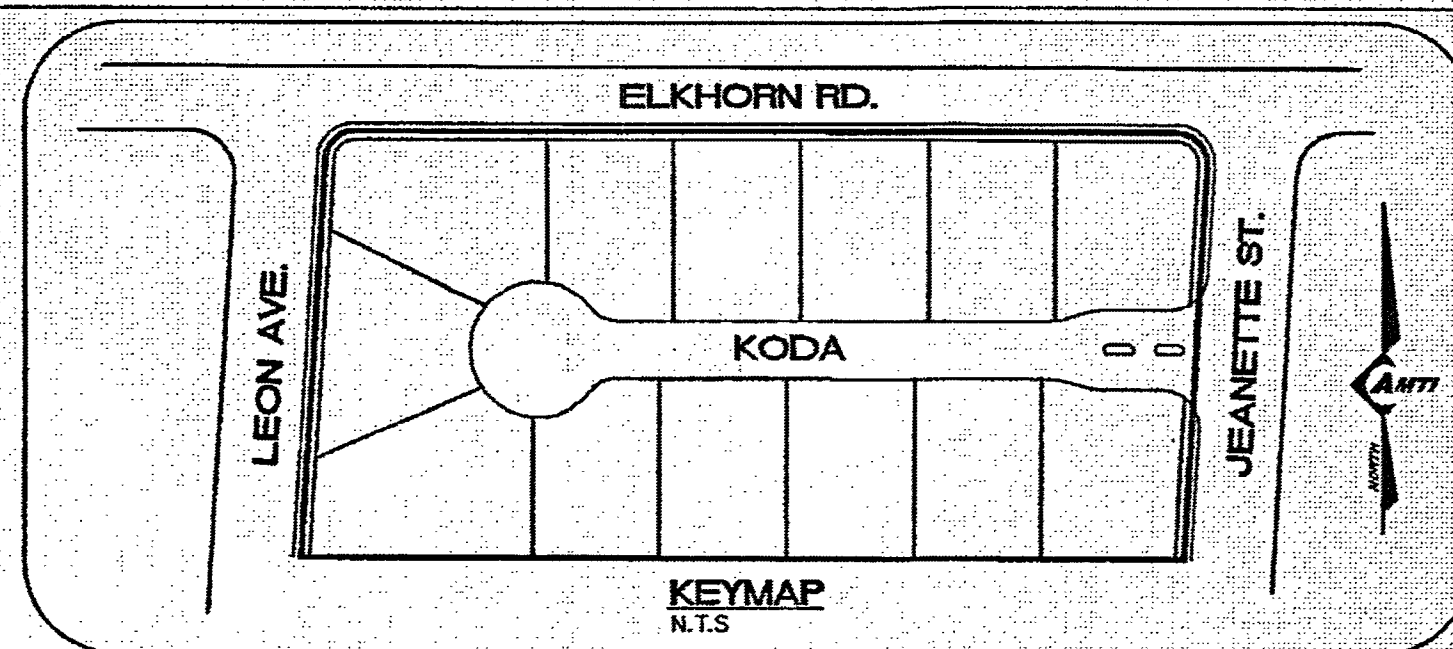
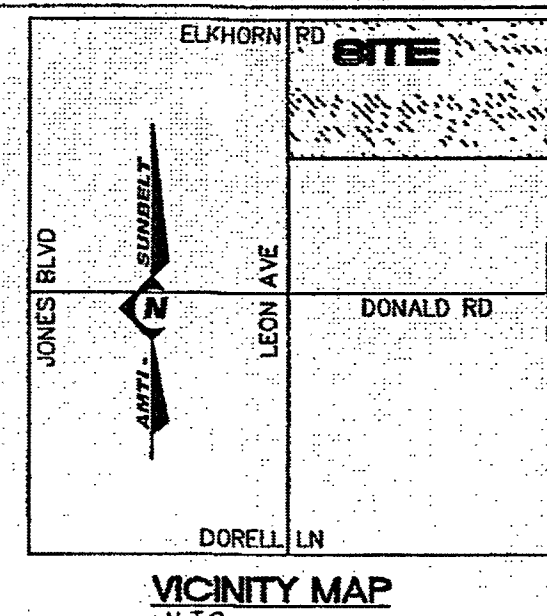


**NOTE:**  
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER U.D.A.C.S. PLAT No. 27

**NOTE:**  
ALL SEWER/STORM DRAIN CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEM (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES

**NOTE:**  
THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE-REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRIVATE ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LIVED FACILITIES.

**WATER MAIN JOINT DEFLECTION (PVC 4" - 24")**  
PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.06.01 AND 2.08.02. FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.



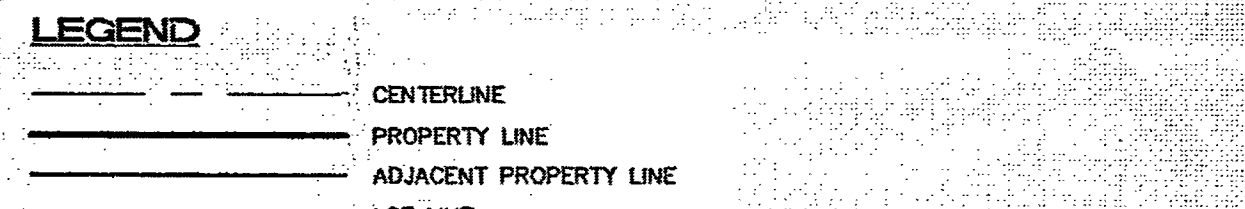
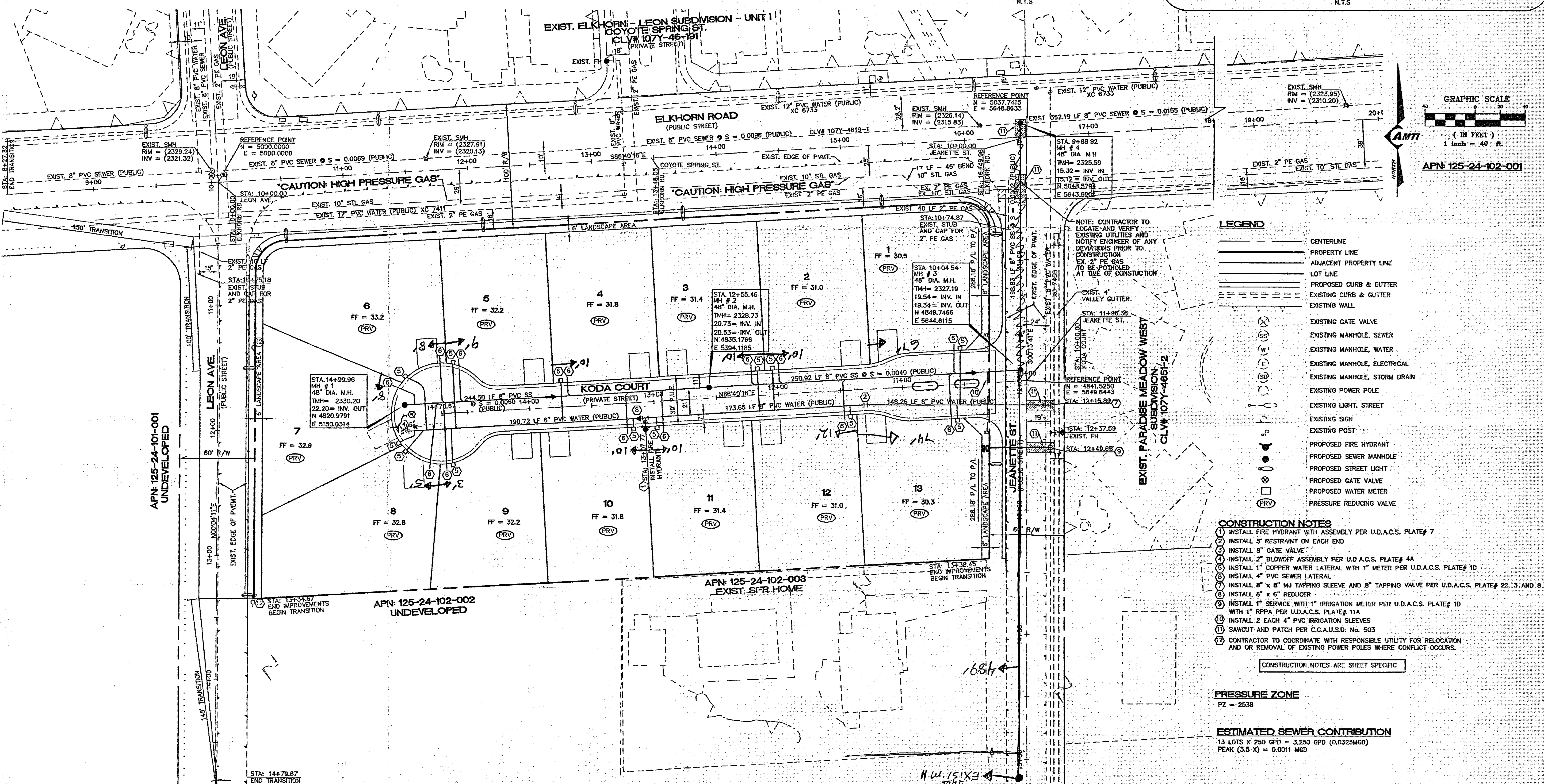
DEVELOPER:  
BRAMBLE HOMES, INC.  
1200 S. JONES BLVD.  
SUITE 250  
LAS VEGAS, NV 89146  
PHONE: (702) 242-8603  
FAX: (702) 242-8612

DESIGNED: CAL 07-17-08 PROJ. NO. 05071  
CHECKED: KPA FILED: 05071  
DATE: 05/07/08  
DESCRIPTION: UTILITY PLAN

UTILITY PLAN  
SADIE ESTATES  
BRAMBLE HOMES, INC.  
CLARK COUNTY NEVADA  
LAS VEGAS

AMTI • SUNBELT LLP  
ENGINEERING • PLANNING • SURVEYING  
700 SUSANNA WAY  
HENDERSON, NV 89015  
PHONE: (702) 242-8805  
FAX: (702) 242-8815

SHEET  
05  
OF 10 SHEETS  
CLV# 107Y-48-191



- LEGEND**
- CENTERLINE
  - PROPERTY LINE
  - ADJACENT PROPERTY LINE
  - LOT LINE
  - PROPOSED CURB & GUTTER
  - EXISTING CURB & GUTTER
  - EXISTING WALL
  - EXISTING GATE VALVE
  - EXISTING MANHOLE, SEWER
  - EXISTING MANHOLE, WATER
  - EXISTING MANHOLE, ELECTRICAL
  - EXISTING MANHOLE, STORM DRAIN
  - EXISTING POWER POLE
  - EXISTING LIGHT, STREET
  - EXISTING SIGN
  - EXISTING POST
  - PROPOSED FIRE HYDRANT
  - PROPOSED SEWER MANHOLE
  - PROPOSED STREET LIGHT
  - PROPOSED GATE VALVE
  - PROPOSED WATER METER
  - PRESSURE REDUCING VALVE

- CONSTRUCTION NOTES**
- INSTALL FIRE HYDRANT WITH ASSEMBLY PER U.D.A.C.S. PLATE# 7
  - INSTALL 5" RESTRAINT ON EACH END
  - INSTALL 8" GATE VALVE
  - INSTALL 2" BLOWOFF ASSEMBLY PER U.D.A.C.S. PLATE# 4A
  - INSTALL 1" COPPER WATER LATERAL WITH 1" METER PER U.D.A.C.S. PLATE# 1D
  - INSTALL 4" PVC SEWER LATERAL
  - INSTALL 8" x 8" MJ TAPPING SLEEVE AND 8" TAPPING VALVE PER U.D.A.C.S. PLATE# 22, 3 AND 8
  - INSTALL 8" x 6" REDUCER
  - INSTALL 1" SERVICE WITH 1" IRRIGATION METER PER U.D.A.C.S. PLATE# 1D
  - WITH 1" RPPA PER U.D.A.C.S. PLATE# 11A
  - INSTALL 2 EACH 4" PVC IRRIGATION SLEEVES
  - SAWCUT AND PATCH PER C.C.A.U.S.D. No. 503
  - CONTRACTOR TO COORDINATE WITH RESPONSIBLE UTILITY FOR RELOCATION AND OR REMOVAL OF EXISTING POWER POLES WHERE CONFLICT OCCURS.

CONSTRUCTION NOTES ARE SHEET SPECIFIC

**PRESSURE ZONE**  
PZ = 2538

**ESTIMATED SEWER CONTRIBUTION**  
13 LOTS X 250 GPD = 3,250 GPD (0.0325MGD)  
PEAK (3.5 X) = 0.0011 MGD

| MH#                              | STA.          | RIM     | INV. IN | INV. OUT  | NORTHING  | EASTING |
|----------------------------------|---------------|---------|---------|-----------|-----------|---------|
| SMH# 1 - 48" MH - STD. DWG. SD-1 | STA-144+99.96 | 2330.20 | 2322.20 | 4820.9791 | 5150.0314 |         |
| SMH# 2 - 48" MH - STD. DWG. SD-1 | STA-124+55.46 | 2328.73 | 2320.73 | 4835.1766 | 5394.1185 |         |
| SMH# 3 - 48" MH - STD. DWG. SD-1 | STA-104+04.54 | 2327.19 | 2319.54 | 4849.7466 | 5644.6115 |         |
| SMH# 4 - 48" MH - STD. DWG. SD-1 | STA-9+88.92   | 2325.59 | 2315.32 | 5048.5794 | 5643.8201 |         |

**APPROVAL**

LAS VEGAS VALLEY WATER DISTRICT PROJECT# 112363  
DATE: 7/26/06  
QTY: 10 SHEETS  
#12635

**Call before you Dig**  
1-800-227-2600  
UNDERGROUND SERVICE (USA)

**Call before you Overhead**  
1-702-227-2929  
OVERHEAD SERVICE (USA)

**Call before you UnderGround**  
1-702-455-7511  
UNDERGROUND SERVICE (USA)

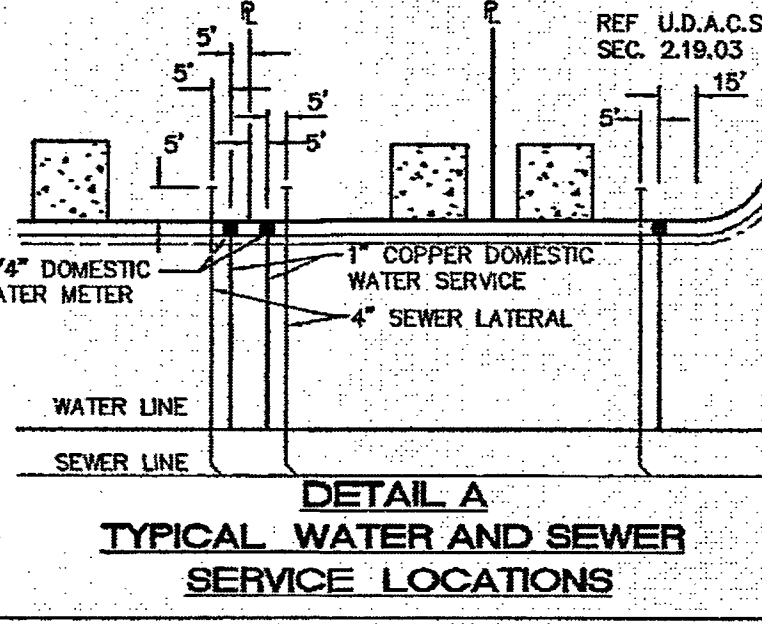
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

**BASIS OF BEARINGS**  
S86°40'16"W BEING THE CENTER LINE OF ELKHORN ROAD AND THE NORTH LINE OF THE NE 1/4 OF THE NW 1/4 OF SECT 24, T19S, R60E AS SHOWN IN FILE 52, PAGE 70 OF SURVEYS, OFFICIAL RECORDS

**BENCHMARK**  
CITY OF LAS VEGAS BENCHMARK ID# OLVS013SSWS: 2 INCH ALCAP • NORTHEAST (NE) CORNER OF ELKHORN ROAD AND LEON AVENUE ± 17 FEET NORTH OF PT (CLV) RM PLS#1175 No. DIST)

ELEVATION = 709.8372 METERS (NAVD 88)  
= 2328.86 FEET (NAVD 88)

**NOTE:**  
ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY H.O.A.



**FIRE FLOW CALCULATION**  
FIRE FLOW REQUIREMENT IS 1,500 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE

BASED ON:  
SQUARE FOOTAGE: 3,400 SF  
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: N/A SF  
BUILDING HEIGHT: 35' MAX. FT  
NUMBER STORIES: 2 FLOORS  
TYPE OF CONSTRUCTION: V-B  
OCCUPANCY: RESIDENTIAL  
FULL AUTOMATIC FIRE SPRINKLER SYSTEM: YES X NO

**NOTE:**  
FIRE SERVICE AND DOMESTIC WATER, AS APPROVED ON THIS PLAN, ARE INTENDED SPECIFICALLY FOR THE LOT AND USE SHOWN, AND ARE NOT INTENDED TO SERVE ADDITIONAL PARCELS AND / OR LOTS. IF THE PARCEL AND / OR LOTS SHOWN ON THIS PLAN ARE FURTHER DIVIDED TO CREATE ADDITIONAL PARCELS OR LOTS, THE OWNER IS REQUIRED TO PROVIDE SEPARATE FIRE AND DOMESTIC SERVICES TO EACH

**NOTE:**  
WATER AND SEWER SERVICE LATERALS SHALL BE INSTALLED A MINIMUM OF FORTY-EIGHT (48) INCHES APART IN SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF TWELVE (12) INCHES ABOVE THE SEWER LATERAL (REF. UNIFORM PLUMBING CODE).