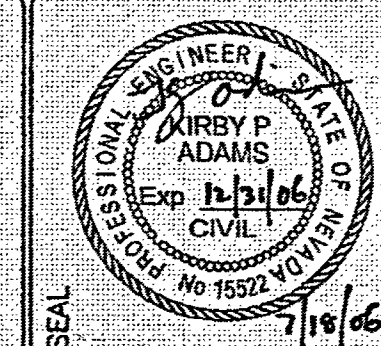
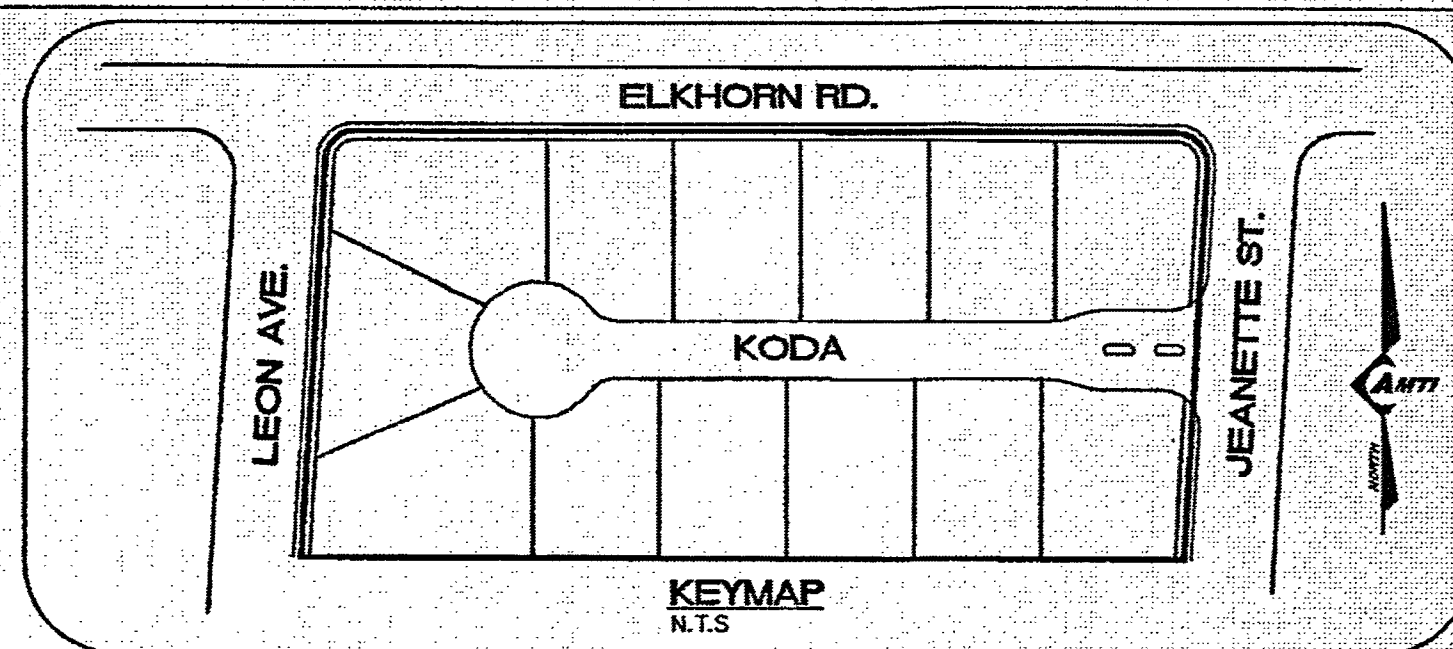
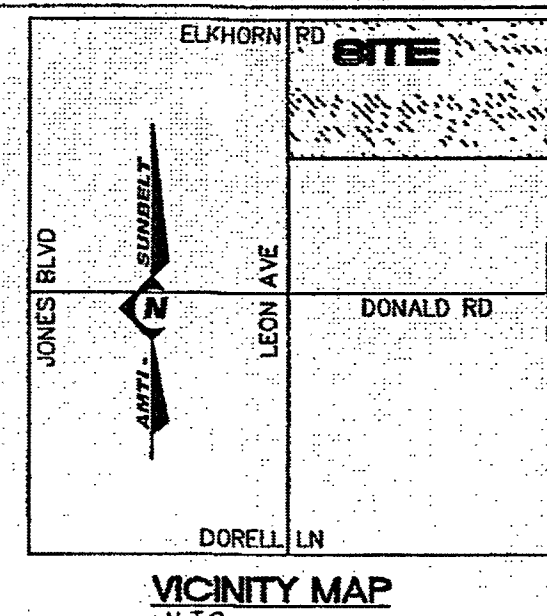


NOTE:
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER U.D.A.C.S. PLAT No. 27

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 LVWD 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.



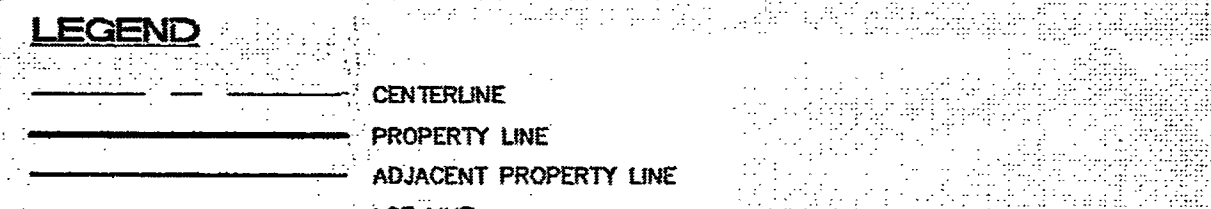
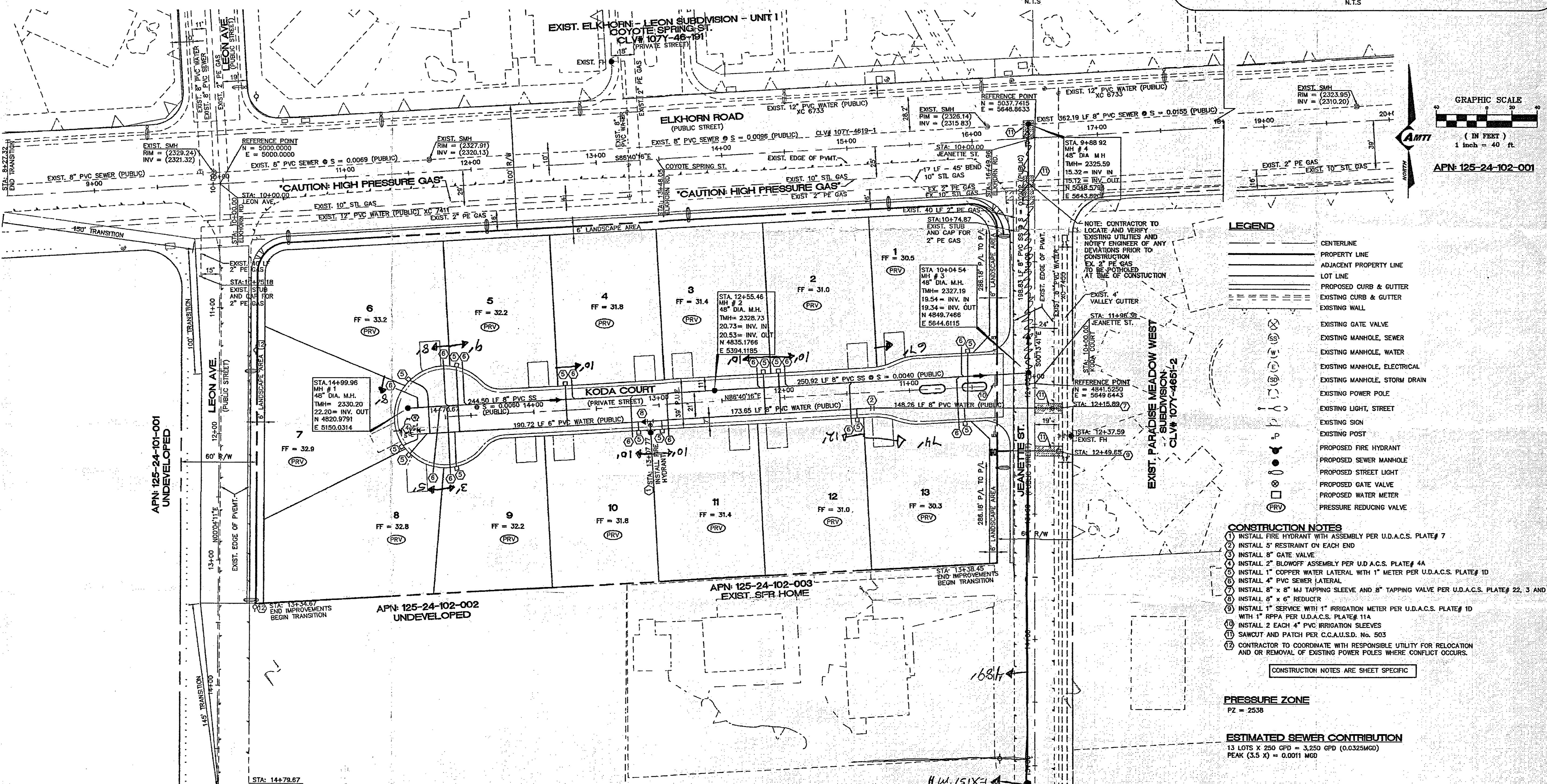
DEVELOPER:
BRAMBLE HOMES, INC.
1200 S. JONES BLVD.
SUITE 250
LAS VEGAS, NV 89146
PHONE: (702) 242-8603
FAX: (702) 242-8612

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



GRAPHIC SCALE
(IN FEET)
1 inch = 40 ft
APN: 125-24-102-001

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
1. INSTALL FIRE HYDRANT WITH ASSEMBLY PER U.D.A.C.S. PLATE# 7
2. INSTALL 5" RESTRAINT ON EACH END
3. INSTALL 8" GATE VALVE
4. INSTALL 2" BLOWOFF ASSEMBLY PER U.D.A.C.S. PLATE# 4A
5. INSTALL 1" COPPER WATER LATERAL WITH 1" METER PER U.D.A.C.S. PLATE# 1D
6. INSTALL 4" PVC SEWER LATERAL
7. INSTALL 8" x 8" MJ TAPPING SLEEVE AND 8" TAPPING VALVE PER U.D.A.C.S. PLATE# 22, 3 AND 8
8. INSTALL 8" x 6" REDUCER
9. INSTALL 1" SERVICE WITH 1" IRRIGATION METER PER U.D.A.C.S. PLATE# 1D
10. WITH 1" RPPA PER U.D.A.C.S. PLATE# 11A
11. INSTALL 2 EACH 4" PVC IRRIGATION SLEEVES
12. SAWCUT AND PATCH PER C.C.A.U.S.D. No. 503
13. 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

CITY OF LAS VEGAS FIRE DEPARTMENT

#12635

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

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

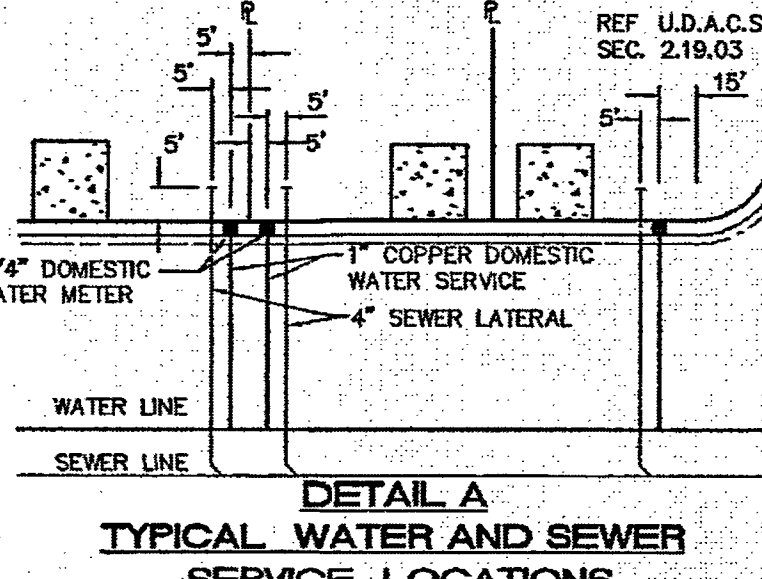
Call before you UnderGround
1-702-455-7511
UNDERGROUND SERVICE (USA)

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#11175 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).