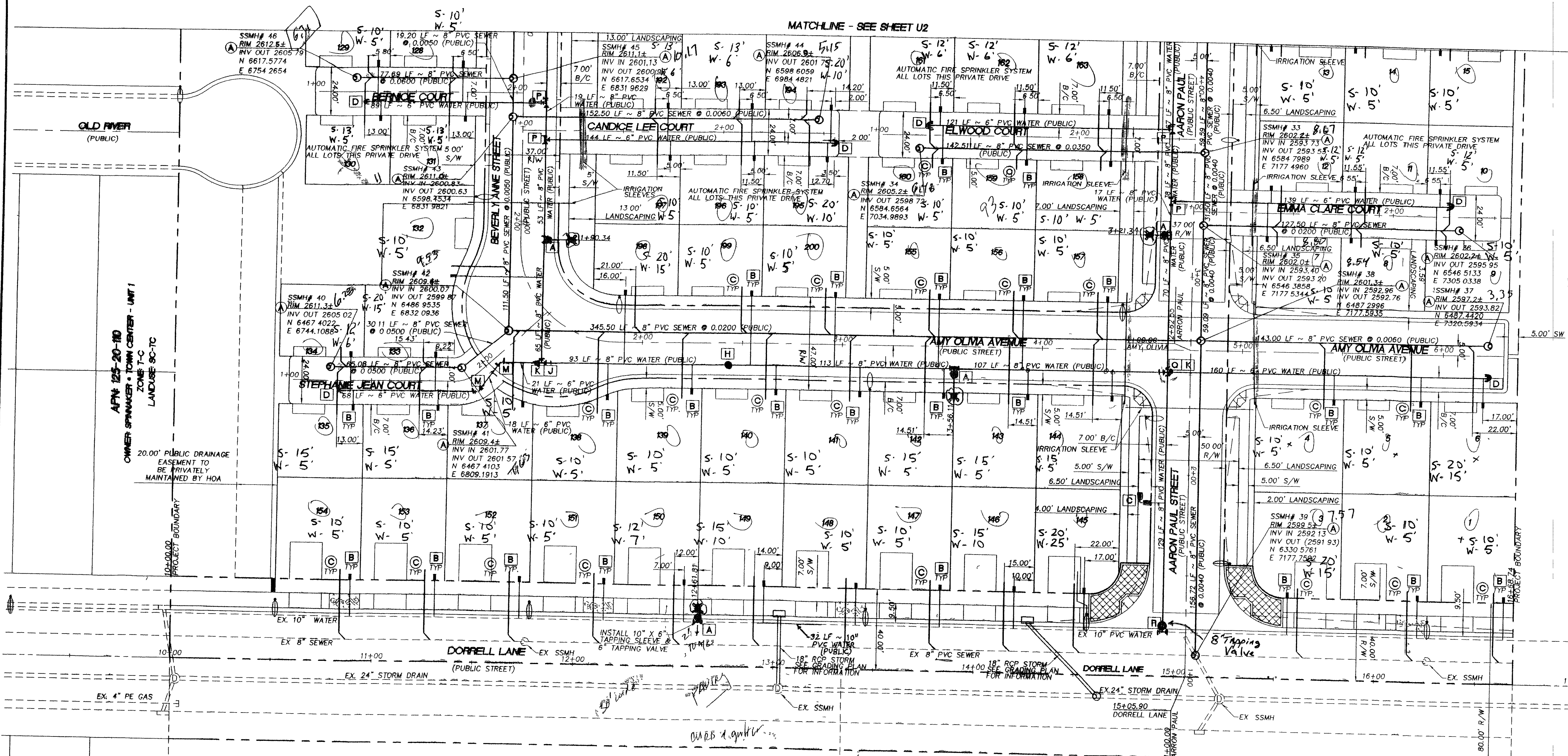




APN 125-20-201-024
OWNER: EL CAPITAN ASSOCIATES LLC
ZONE: T-C
LANDUSE: UC-TC

APN 125-20-201-024
OWNER: EL CAPITAN ASSOCIATES LLC
ZONE: T-C
LANDUSE: UC-TC

NOTE:
ALL 24" STUB STREETS ARE PRIVATE
DRIVES AND PUBLIC UTILITY EASEMENTS

NOTE:
INSTALL PIPELINE MARKER BALLS IN TRENCH
ABOVE EACH HORIZONTAL ELBOW FITTING,
PER UDACS PLATE NO. 27.

REDUCED PRESSURE PRINCIPLE ASSEMBLY: (1) 1"
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE
INSTALLED PER THE UDACS PLATE NO. 11A. NO WATER SHALL BE
TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE
REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY
TESTED BY THE LVWD.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND
CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW
THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE
START OF CONSTRUCTION.

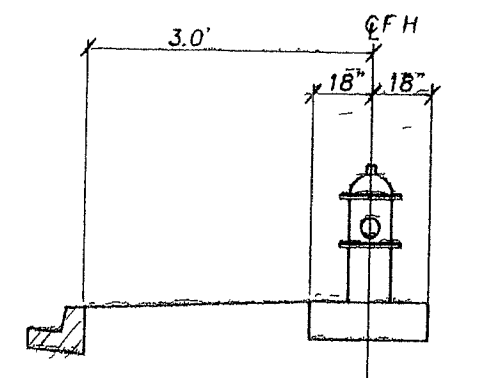
Avoid cutting underground
utility lines. It's costly.
Call before you dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

Avoid overhead power
line contact.
Call before you overhead
1-702-583-6111
UTILITY SERVICE DEPARTMENT

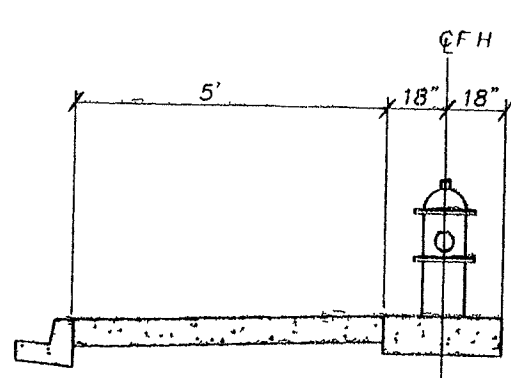
Call before you dig
1-702-583-6111
UTILITY SERVICE DEPARTMENT

BASIS OF BEARING
SOUTH 00°13'40" EAST BEING THE WEST LINE OF THE
NORTHWEST QUARTER (NW 1/4) OF SECTION 20, TOWNSHIP 19
SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS,
CLARK COUNTY, NEVADA AS SHOWN FILE 25, PAGE 44
OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S
OFFICE, CLARK COUNTY, NEVADA

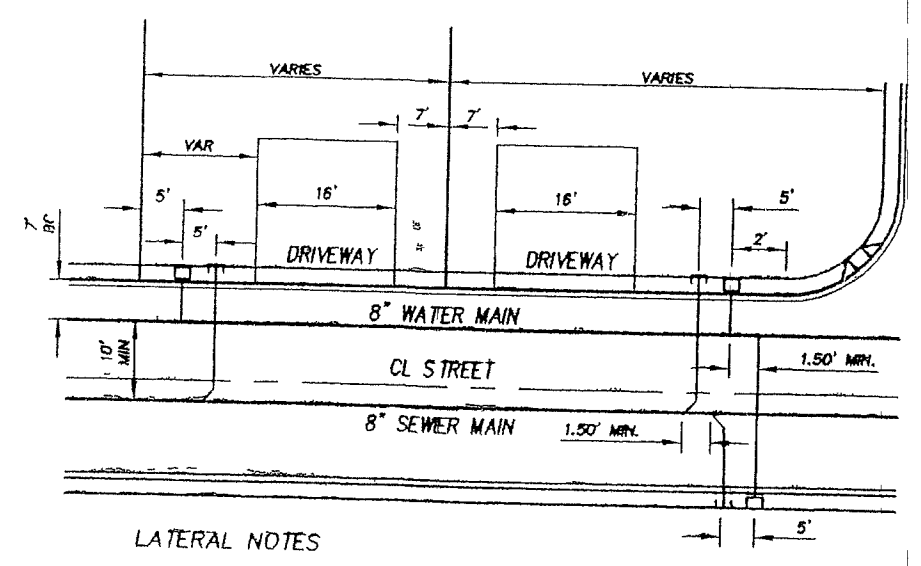
BENCHMARK
CITY OF LAS VEGAS BENCHMARK - 2090-20W4
REBAR ±124 FT NORTHEAST OF DEER SPRINGS AND
FORT APACHE
ELEVATION = 806.867 METERS (NAVDB88)
ELEVATION = 2647.20 FEET (NAVDB88)



TYPICAL FIRE HYDRANT
LOCATION W/O SIDEWALK
NOT TO SCALE



TYPICAL FIRE HYDRANT
LOCATION W/SIDEWALK
NOT TO SCALE



LATERAL NOTES
WATER & SEWER SERVICE LATERALS SHALL BE
INSTALLED IN SEPARATE TRENCHES A MINIMUM OF 48"
APART. WATER LATERALS SHALL BE A MINIMUM OF 12"
ABOVE THE SEWER LATERAL (REF. UNIFORM PLUMBING
CODE). WATER LATERAL SHALL BE PLACED 18" ABOVE
SEWER MAINS AND LATERALS AT CROSSINGS

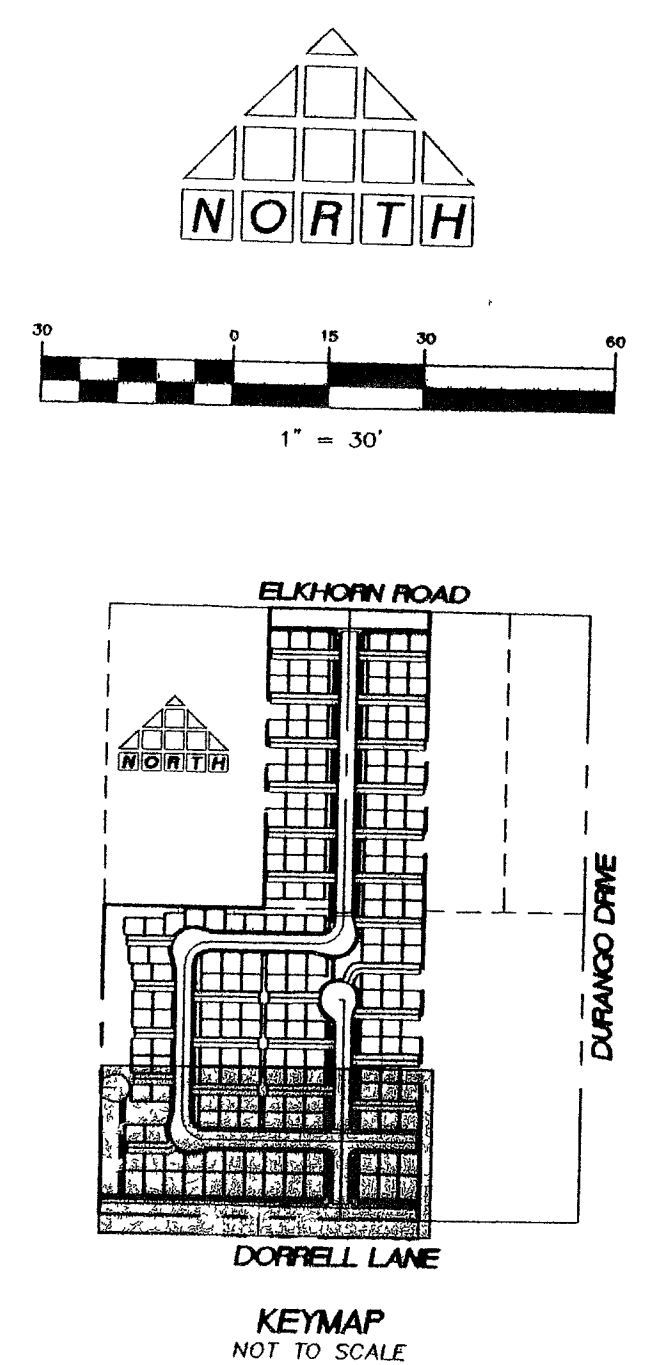
TYPICAL LATERAL LOCATION

WATER NOTES	
A	INSTALL FIRE HYDRANT ASSEMBLY PER UDACS STD PLATE NO. 7 W/8"x6" TEE & 6" GATE VALVE
B	1" MVR METER AND 1" TYPE K COPPER LATERAL PER UDACS STD PLATE NO. 18
C	1" IRRIGATION METER PER UDACS PLATE #10 1" RPPA PER UDACS PLATE #11A
D	6" CAP AND BLOWOFF ASSEMBLY PER UDACS STD PLATE NO. 4A
E	8" CAP AND BLOWOFF ASSEMBLY PER UDACS STD PLATE NO. 4A
F	12" X 8" MECHANICAL TAPPING TEE
G	6" GATE VALVE PER UDACS STD PLATE NO. 8
H	8" GATE VALVE PER UDACS STD PLATE NO. 8
I	6" TEE
J	8" TEE
K	8"x6" REDUCER
L	8"x6" CROSS
M	6" 45° BEND
N	6" 22 1/2° BEND
O	8" 90° BEND
P	8"x6" TEE
Q	8"x8" CROSS
R	10" X 8" MECHANICAL TAPPING TEE
S	6" 90° BEND

SEWER NOTES	
A	CONSTRUCT STANDARD ECCENTRIC MANHOLE PER DCSWCS PLATE SD-1
B	CONSTRUCT SPECIAL MANHOLE "B" PER DCSWCS PLATE SD-10
C	INSTALL SEWER LATERAL PER DCSWCS PLATE SD-17

CLV FIRE DEPT. 12.8.04
DATE

APPROVALS
LAS VEGAS VALLEY WATER DISTRICT
PROJECT # H-109368



THOMASON CONSULTING ENGINEERS
3161 E. WARM SPRINGS ROAD, SUITE 200
LAS VEGAS, NEVADA 89120
702-932-6125 FAX: 702-932-6125

RICHMOND AMERICAN HOMES
WHITNEY HEIGHTS
UTILITY PLAN
CITY OF LAS VEGAS

DRAWN BY:	DESIGNED BY:	CHECKED BY:	SCALE:	1"=30'
PROJECT NO:	001.04005	REV:	DATE:	BY:

12.3.04
U3
10 OF 33
DRAWING NO
10744858

12.3.04
10744858