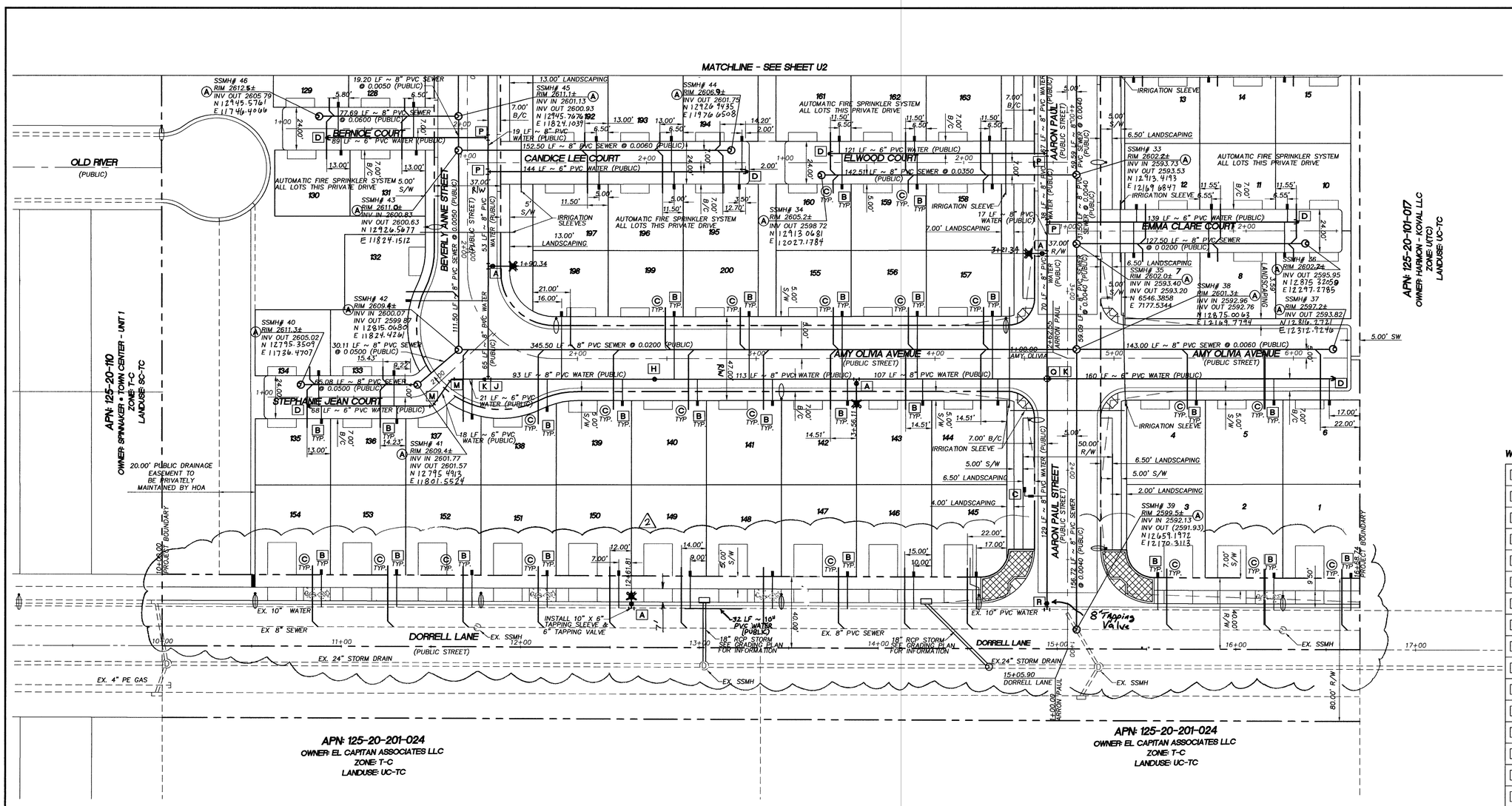
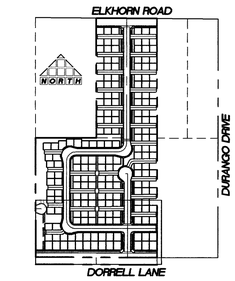




KEYMAP
NOT TO SCALE

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 #1D 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

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 LVVWD.

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
1-702-593-6111
NEVADA POWER ENVIRONMENT SAFETY SERVICES DEPARTMENT

AVOID HITTING UNDERGROUND SEWER, WATER, GAS, TELEPHONE, STREET LIGHT, SYSTEMS CONDUITS & CABLES
CALL BEFORE YOU DIG UNDERGROUND
Call 2 Days before you UnderGround
1-702-455-7511
1-702-229-5611

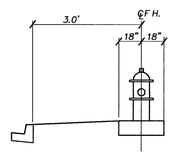
BASIS OF BEARING

NORTH 89°54'17" EAST, BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 20, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN IN FILE 118 OF SURVEYS AT PAGE 89, OFFICIAL RECORDS, COUNTY OF CLARK, STATE OF NEVADA

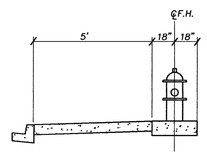
BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL POINT "8LV9J0 18SES", BEING A RIVET PLATE IN A CONCRETE CYLINDER, NORTHWEST CORNER OF ELKHORN AND FORT APACHE.

ELEVATION: 2675.26 (FEET)
815 4214 (METERS)
CITY OF LAS VEGAS VERTICAL CONTROL BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

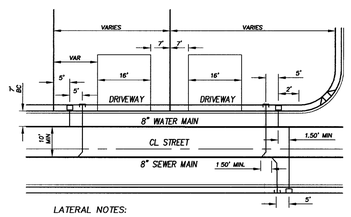


TYPICAL FIRE HYDRANT LOCATION W/O SIDEWALK
NOT TO SCALE



TYPICAL FIRE HYDRANT LOCATION W/SIDEWALK
NOT TO SCALE

SERVICE LATERALS FOR LOTS: 1,2,3, & 145-154 WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LVVWD.



LATERAL NOTES:

WATER & SEWER SERVICE LATERALS SHALL BE INSTALLED IN SEPERATE 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

CLV FIRE DEPT. 12.8.04 DATE

APPROVALS

LAS VEGAS VALLEY WATER DISTRICT 2/08/05 DATE
PROJECT # H-109368

REV	DATE	BY	REVISION
4	7-14-05	BP	REVISE CURB LOCATION AT BEND LANE TO MATCH PLOTTING MAPS KS 7-14-05
3	3-15-05	PLG	Rev. B.M. & B.O.B. & SSMH N. & W. KS 3/16/05

P:\001\04005\001C04005-UTILITY.dwg 12/8/2004 8:56:43 AM PST

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

THOMASON CONSULTING ENGINEERS
3161 E. WARM SPRINGS ROAD, SUITE 200
LAS VEGAS, NEVADA 89120
702-932-6125 FAX: 702-932-6129

RICHMOND AMERICAN HOMES
WHITNEY HEIGHTS

UTILITY PLAN
CITY OF LAS VEGAS

PROFESSIONAL ENGINEER STATE OF NEVADA
JOSEPH D. THOMASON
Exp. 6-30-06
CIVIL
No. 11907
12-8-04

SHEET U3
10 OF 33
DRAWING NO 107Y4858

11-5-2010 78130 8/8/19