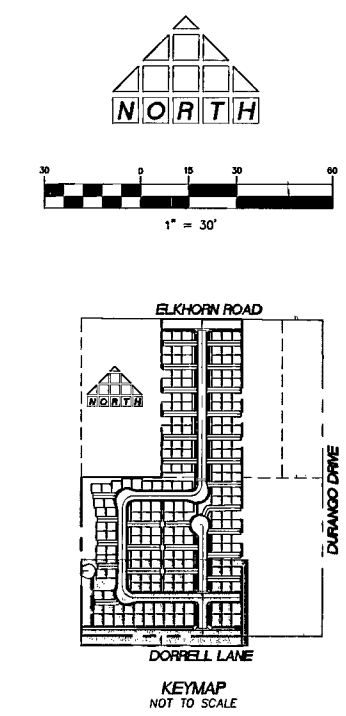
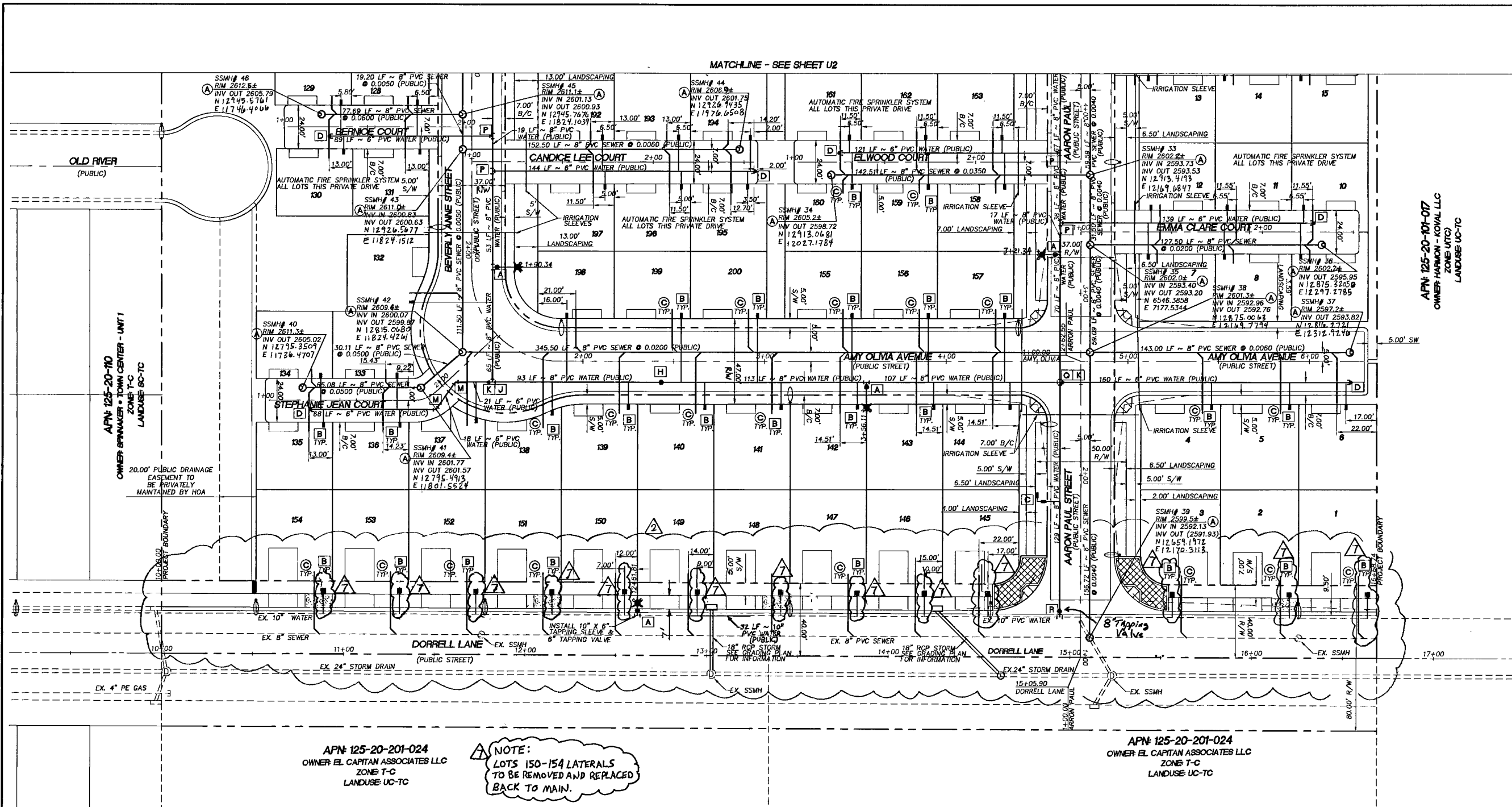




WATER NOTES

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 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 LVVMD.

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.

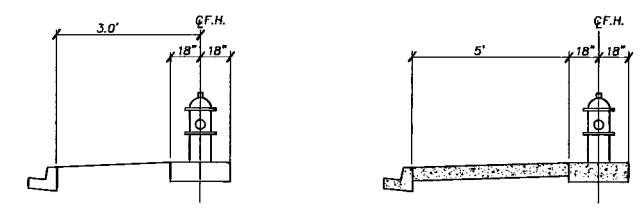
Call before you Dig
1-800-227-2600
NEVADA POWER ENVIRONMENTAL SAFETY SERVICES

Call before you Overhead
1-702-593-6111
NEVADA POWER ENVIRONMENTAL SAFETY SERVICES

Underground
1-702-593-6111
NEVADA POWER ENVIRONMENTAL SAFETY SERVICES

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.

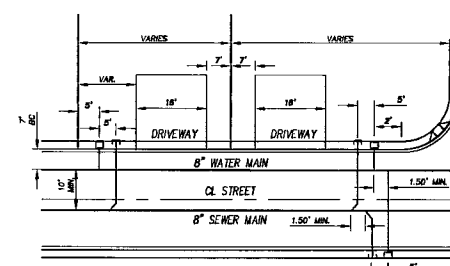
BENCHMARK
CITY OF LAS VEGAS VERTICAL CONTROL POINT "BLV90 1855", BEING A RIVET PLATE IN A CONCRETE CYLINDER, NORTHWEST CORNER OF ELKHORN AND FORT APACHE. ELEVATION: 2675.26 (FEET)
CITY OF LAS VEGAS VERTICAL CONTROL BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).



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 LVVMD.



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 CROSSING

APPROVALS
CLV FIRE DEPT. DATE 12/8/04
Kurt R. Johansen, CIVIL ENGINEER, No. 19088, State of Nevada
LAS VEGAS VALLEY WATER DISTRICT PROJECT # H-109368 DATE 2/2/05

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

U3
10 OF 33
DRAWING NO. 1074858

00104005