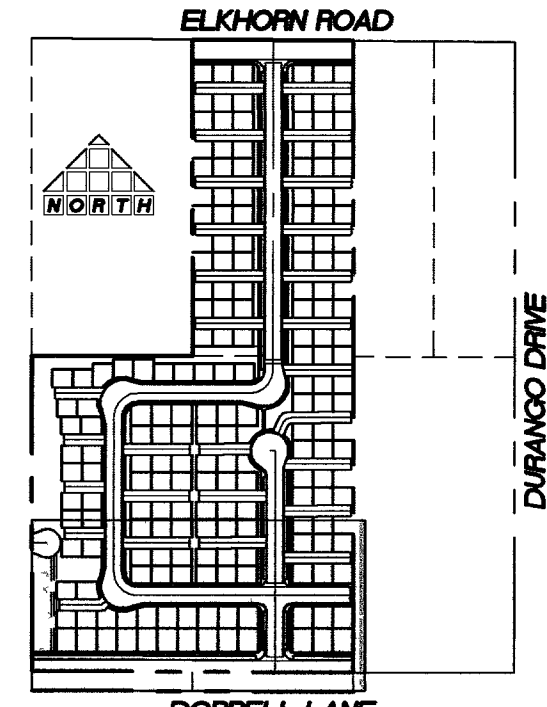
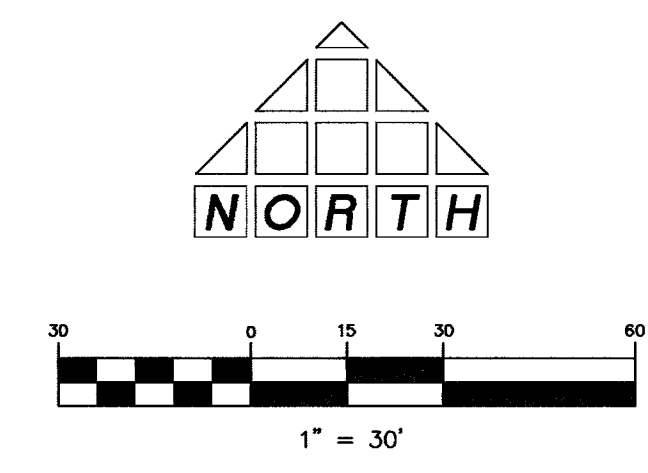
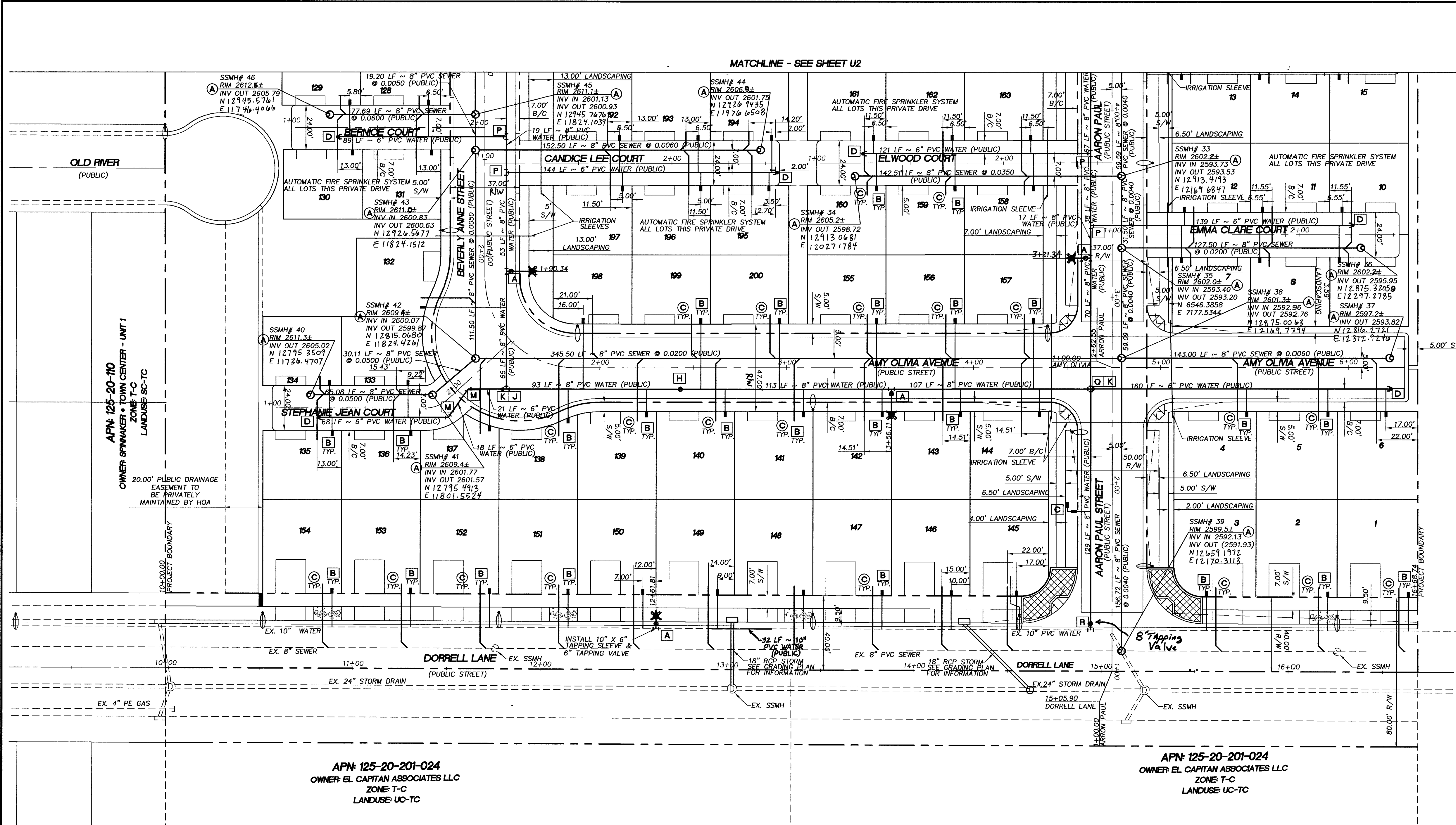




| WATER NOTES |                                                                                      |
|-------------|--------------------------------------------------------------------------------------|
| [A]         | INSTALL FIRE HYDRANT ASSEMBLY PER UDACS STD. PLATE NO. 7 W/8"x6" TEE & 6" GATE 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               |

**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.

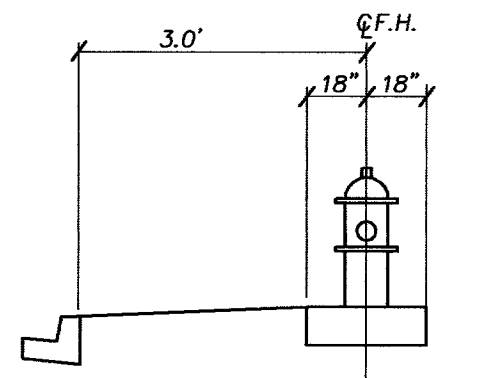
Call before you dig  
1-800-227-2600  
UNDERGROUND SERVICE (USA)

Call before you Overhead  
1-702-593-6111  
UTAH POWER & LIGHTING  
SAFETY SERVICES DEPARTMENT

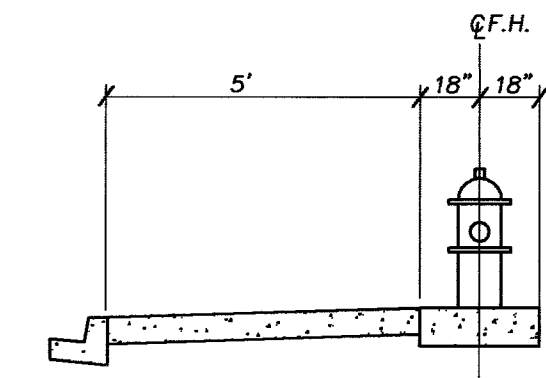
Call before you Under Ground  
1-702-455-7511  
CLARK COUNTY  
SAFETY SERVICES DEPARTMENT

**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

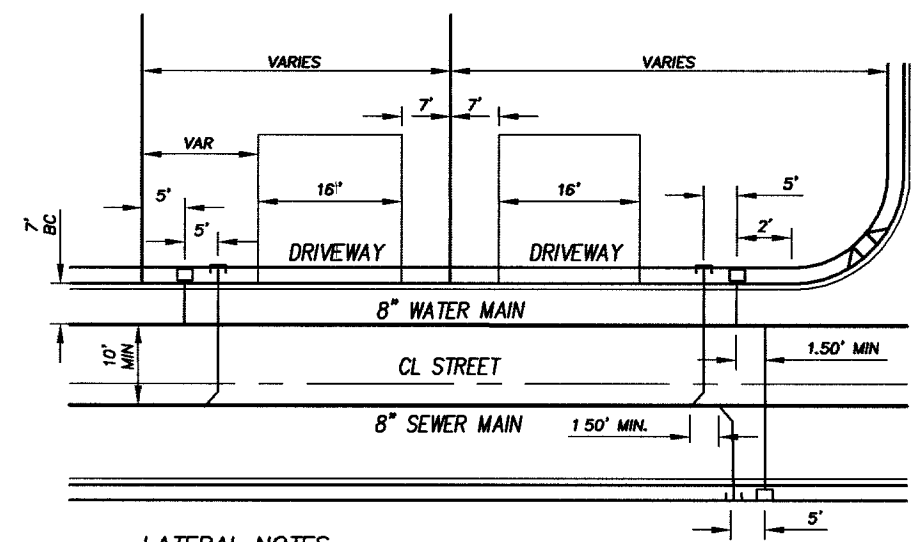
**BENCHMARK**  
CITY OF LAS VEGAS VERTICAL CONTROL POINT "BLV90 18SES", BEING A RIVET PLATE IN A CONCRETE CYLINDER, NORTHWEST CORNER OF ELKHORN AND FORT APACHE. ELEVATION: 2675.26 (FEET) 815.424 (METERS) CITY OF LAS VEGAS VERTICAL CONTROL BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).



TYPICAL FIRE HYDRANT LOCATION W/O SIDEWALK  
NOT TO SCALE



TYPICAL FIRE HYDRANT LOCATION W/SIDEWALK  
NOT TO SCALE



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

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

*[Signature]* 12.8.04  
CLV FIRE DEPT. DATE

**APPROVALS**  
*[Signature]* 2/27/05  
LAS VEGAS VALLEY WATER DISTRICT  
PROJECT # H-109368 DATE

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

001.04005  
SCALE: 1"=30'  
PROJECT NO.  
REVISION  
DATE BY

10 OF 33  
DRAWING NO.  
107Y4858