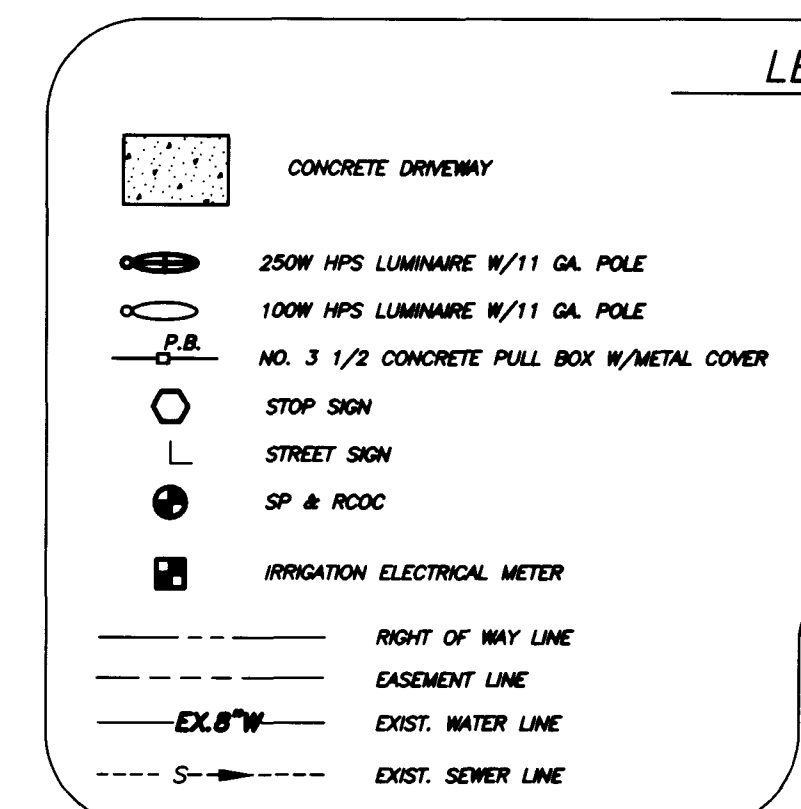


JOB NO. 701.248 PLOTTED: 03/26/97 11:53 am DRAWING: C:\31\UTILITY\051-4 BY: C. Powell

17977



MATCH LINE - UTILITY PLAN II  
SEE SHEET 5

**REDUCED PRESSURE PRINCIPLE ASSEMBLY - 5 LOCATIONS**

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE DISTRICTS STANDARD 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.

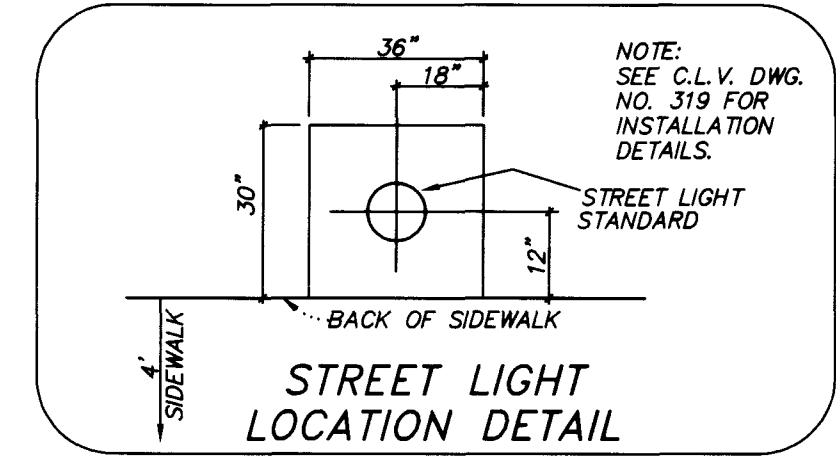
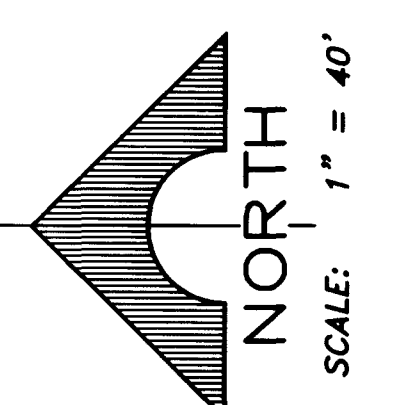
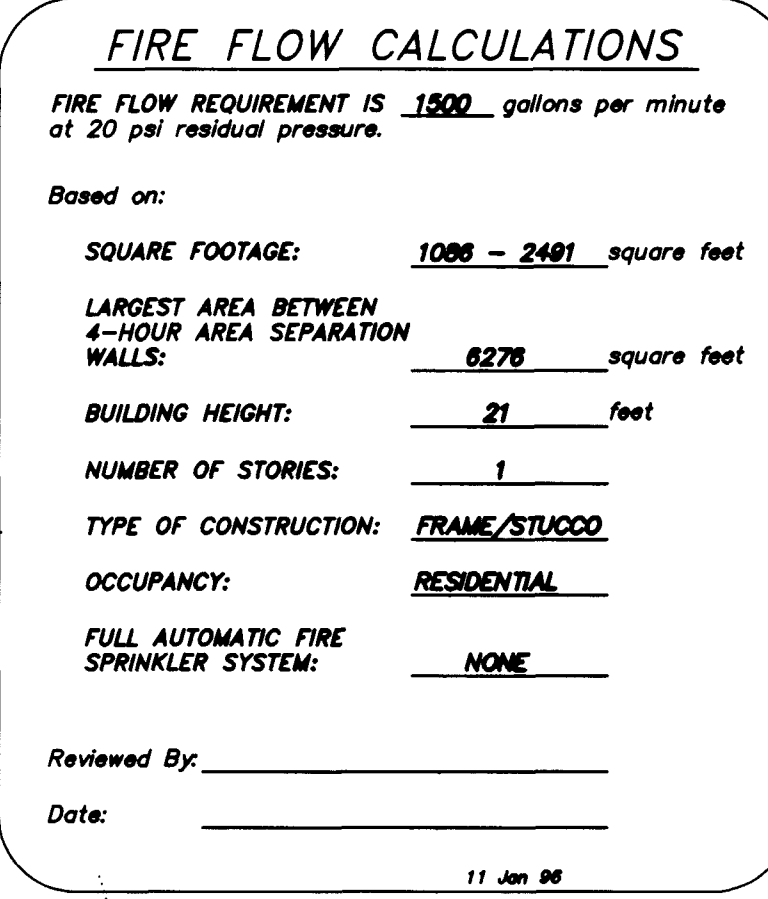
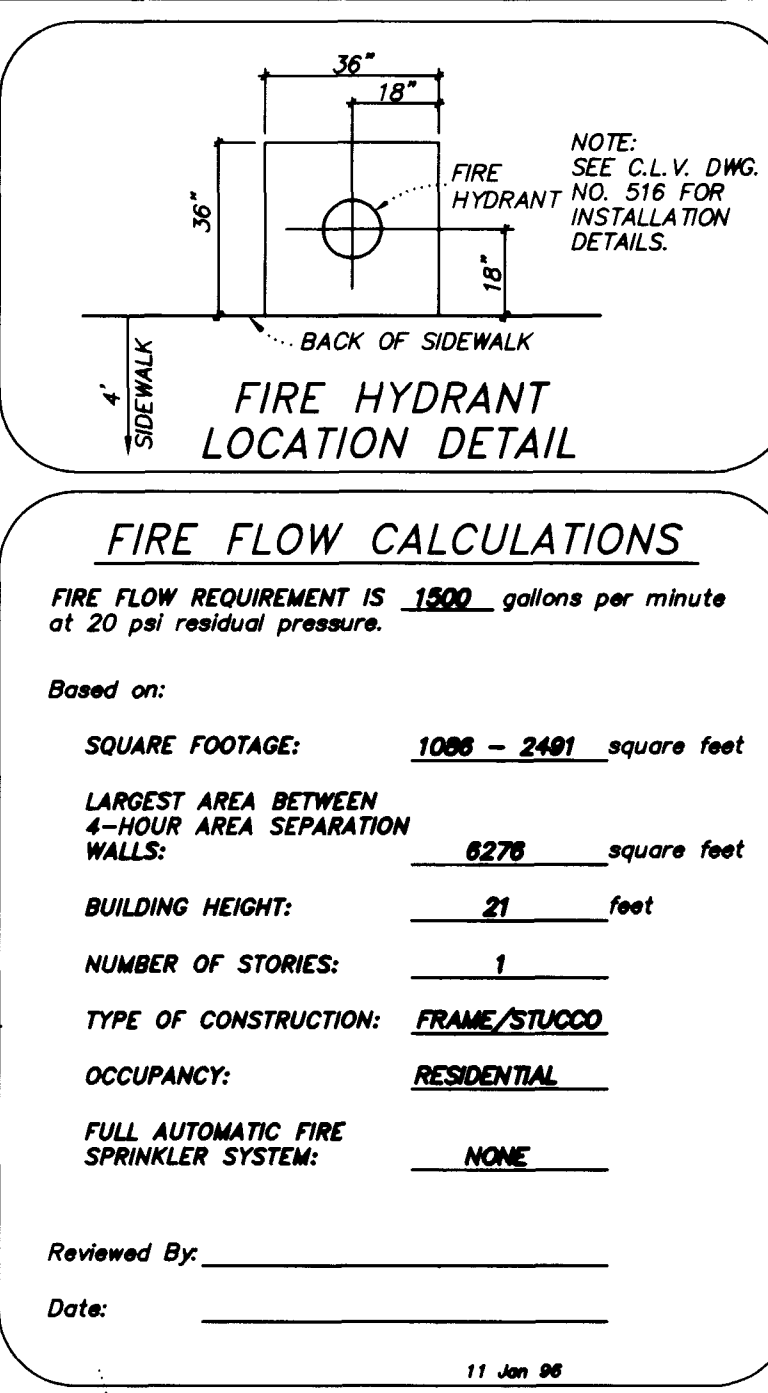
ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

| ESTIMATE OF QUANTITIES  |                                           |       |      |
|-------------------------|-------------------------------------------|-------|------|
| 1                       | STD. FIRE HYDRANT                         | 21    | EA.  |
| 2                       | 1 1/2" SERVICE W/METER BOX (IRRIGATION)   | 7     | EA.  |
| 3                       | 1 1/2" METER FROM L.V.V.W.D. (IRRIGATION) | 7     | EA.  |
| 4                       | 1 1/2" RPPA                               | 7     | EA.  |
| 5                       | 1" SERVICE, 1" METER BOX & 3/4" METER     | 195   | EA.  |
| 6                       | 1" SERVICE, 1" METER BOX & 1" METER       | 8     | EA.  |
| 7                       | 1" SERVICE, 3/4" METER BOX & 5/8" METER   | 60    | EA.  |
| 8                       | BLOW OFF ASSEMBLY                         | 5     | EA.  |
| 9                       | 8" PVC                                    | 3,237 | L.F. |
| 10                      | 6" PVC                                    | 4,445 | L.F. |
| 11                      | 8" GATE VALVE                             | 3     | EA.  |
| 12                      | 6" GATE VALVE                             | 19    | EA.  |
| 13                      | 8"x8" TEE                                 | 1     | EA.  |
| 14                      | 8"x6" TEE                                 | 7     | EA.  |
| 15                      | 6"x6" TEE                                 | 14    | EA.  |
| 16                      | 10"x8" REDUCER                            | 2     | EA.  |
| 17                      | 8"x6" REDUCER                             | 4     | EA.  |
| 18                      | 6" 45° BEND                               | 8     | EA.  |
| 19                      | 6" 22 1/2° BEND                           | 2     | EA.  |
| 20                      | 6" 11 1/4° BEND                           | 1     | EA.  |
| TRAFFIC SIGN QUANTITIES |                                           |       |      |
| 1                       | 6" D-3 STREET NAME SIGN                   | 14    | EA.  |

**LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES**

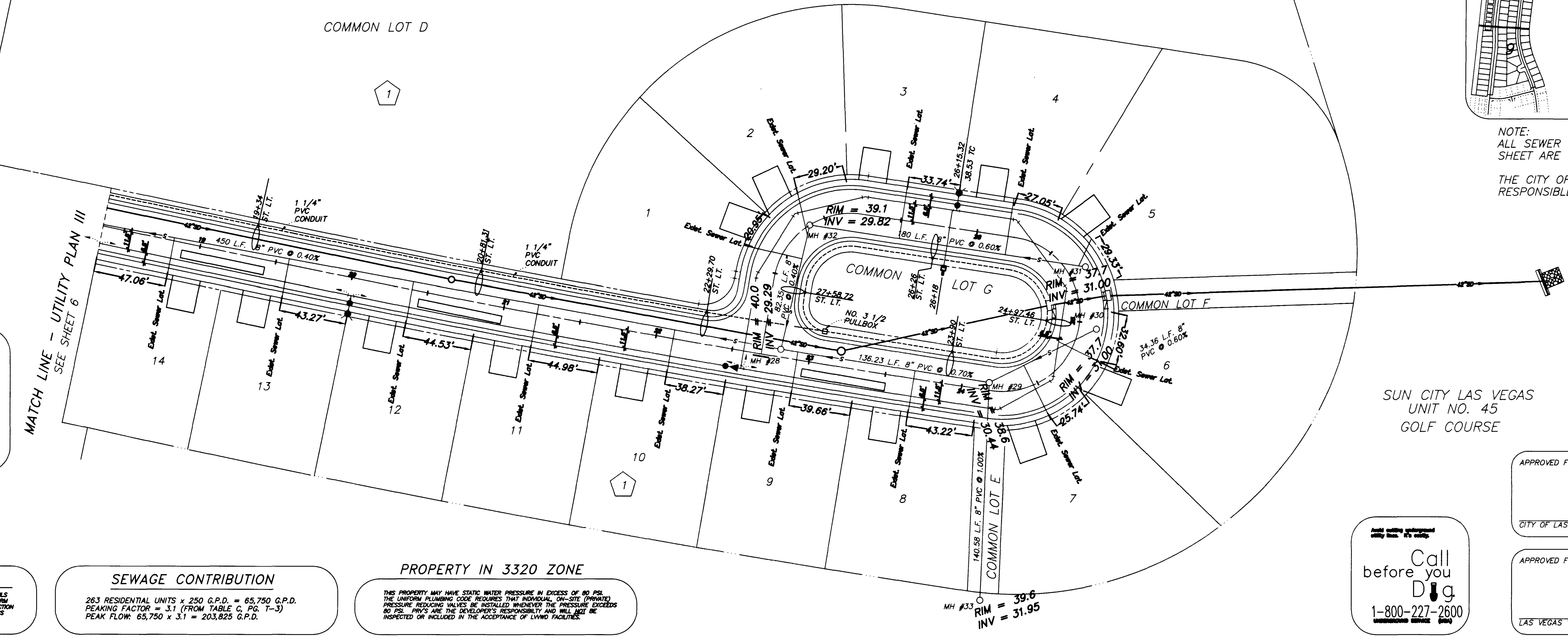
- NO WORK SHALL BEGIN ON THE WATER PLANS UNTIL THEY HAVE BEEN RELEASED FOR CONSTRUCTION BY LVVWD. FOLLOWING APPROVAL OF THE PLANS, NOTICE MUST BE GIVEN TO THE LVVWD COMMUNICATIONS SUPPORT CENTER (258-1717) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVVWD INSPECTION.
- ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
- ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR ADDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB OUTLETS.
- THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND SANITARY OR STORM SEWER LINE CROSS:
  - A. MINIMUM EDITION (18) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED, THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE. THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING:
    - A. POTABLE WATER SUPPLY QUALITY MATERIAL.
    - B. ENCASEMENT WITH FOUR (4) INCH CONCRETE (MINIMUM) C. SLEEPING WITH POTABLE WATER SUPPLY QUALITY PIPE.
  - EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN, A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.
- WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH MAINS AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
- THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT HOURS PRIOR TO PICKUP.
- CONSTRUCTION MAY INTERRUPT SERVICE WITH LVVWD APPROVAL AND PROPER NOTIFICATION. BETWEEN THE HOURS OF 10 P.M. AND 8 A.M. SUNDAY THROUGH THURSDAY, CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED WITHOUT LVVWD REMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVWD APPROVAL.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

REVISED: APRIL 25, 1993



# SEWER AS-BUILTS

ALL SEWER MANHOLES 48" DIAMETER UNLESS OTHERWISE NOTED



**BENCHMARKS**

C.L.V. BM. STA. 0LV00-18566  
RIVET & PLATE IN TOP OF CURB, N.E. RETURN OF  
DEL WEBB BLVD. & LAKE MEAD BLVD.  
ELEVATION: 2618.318' NGVD29  
ELEVATION: 2620.780 NAVD88  
NAVD29 +2.442' = NAVD88

**PROJECT BENCHMARK:** BRASS CAP IN IRON PIPE,  
102' NORTH AND 64' WEST OF THE INTERSECTION  
OF SUN CITY BLVD. AND THOMAS W. RYAN BLVD.  
N 532.694.700, E 577.451.546  
ELEVATION: 2851.66

**EASEMENTS AREAS**

ALL PUBLIC EASEMENT SURFACE AREAS ARE TO BE MAINTAINED BY HOME OWNERS ASSOCIATIONS.

**STREET LIGHTING NOTE**

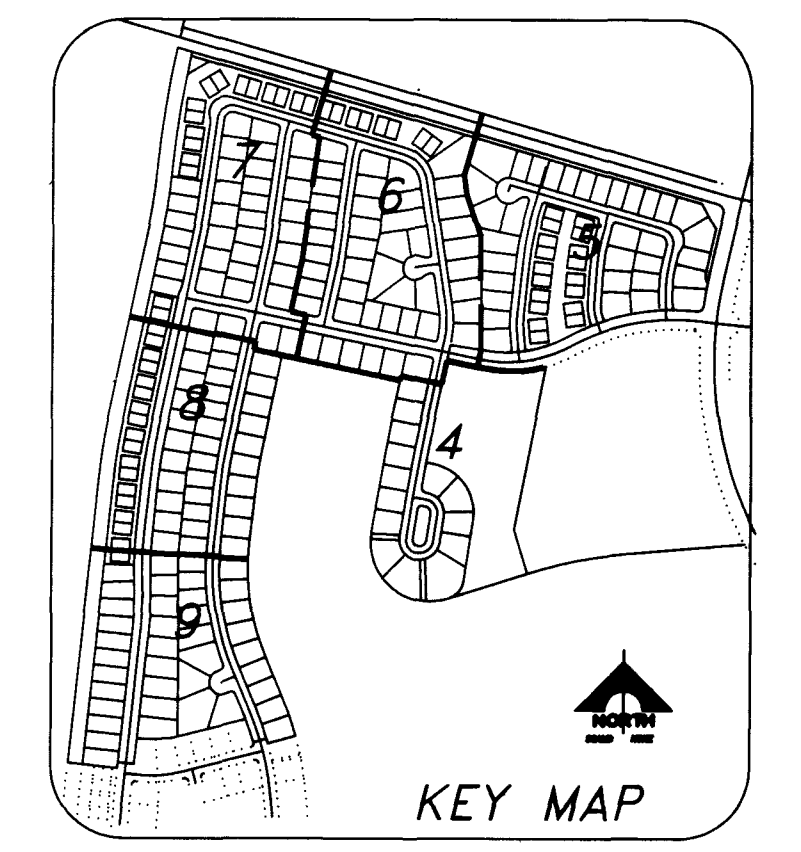
ALL STREET LIGHT INSTALLATIONS SHALL CONFORM TO THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF LAS VEGAS, AND SHALL ALSO CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION, UNLESS OTHERWISE NOTED. SEE UNIFORM STANDARD DRAWING NO. 318.

**SEWAGE CONTRIBUTION**

263 RESIDENTIAL UNITS x 250 G.P.D. = 65,750 G.P.D.  
PEAKING FACTOR = 3.1 (FROM TABLE C, PG. 7-3)  
PEAK FLOW: 65,750 x 3.1 = 203,825 G.P.D.

**PROPERTY IN 3320 ZONE**

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'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.



NOTE:  
ALL SEWER MAINS SHOWN ON THIS SHEET ARE PUBLIC SEWER MAINS.

THE CITY OF LAS VEGAS IS NOT RESPONSIBLE FOR SEWER LATERALS.

SUN CITY LAS VEGAS  
UNIT NO. 45  
GOLF COURSE

Call before you Dig  
1-800-227-2600

APPROVED FOR CONSTRUCTION

CITY OF LAS VEGAS FIRE DEPARTMENT DATE \_\_\_\_\_

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT DATE \_\_\_\_\_

