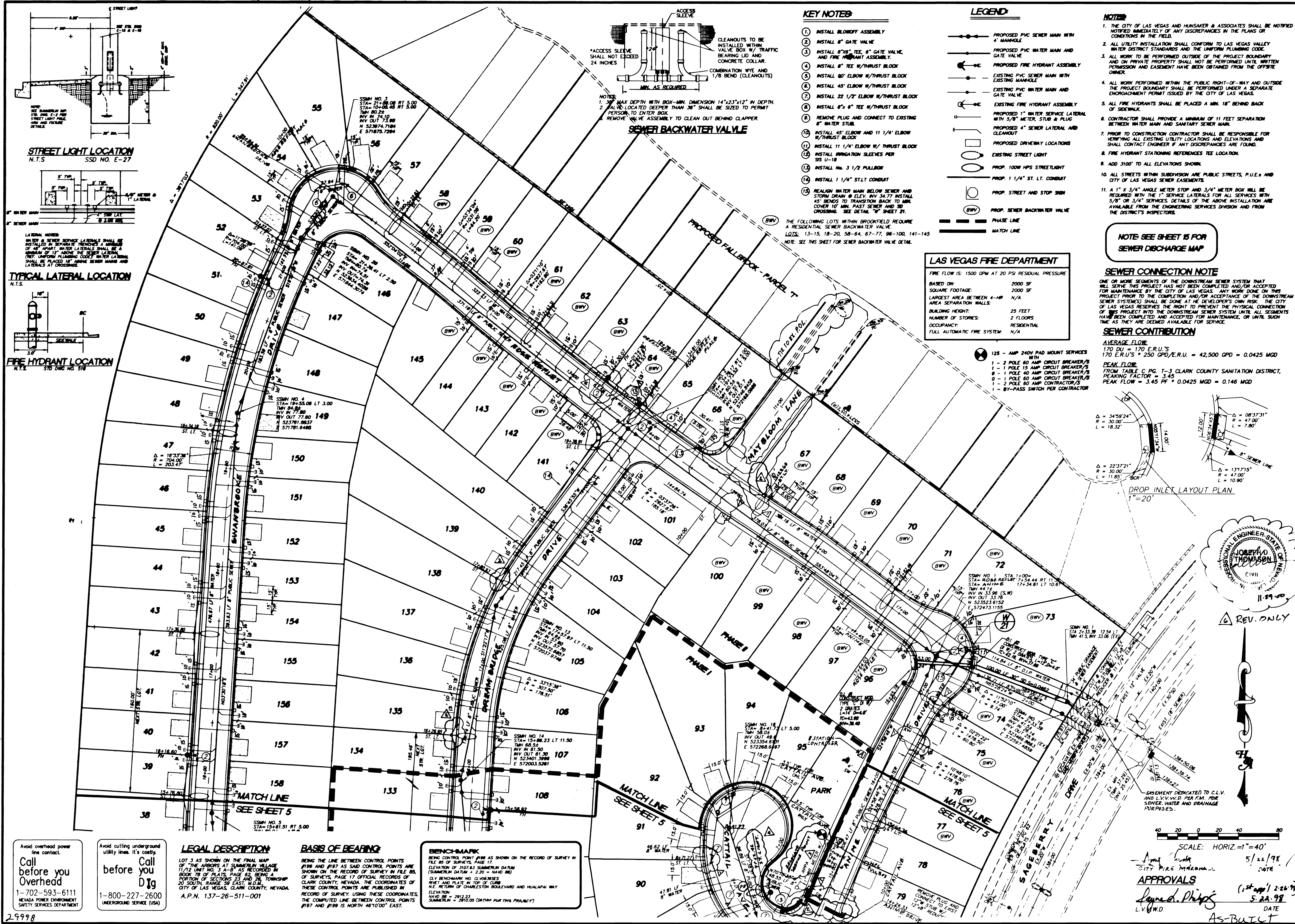




KEY NOTES

- 1. INSTALL BLOWOFF ASSEMBLY
- 2. INSTALL 8" GATE VALVE
- 3. INSTALL 8"x8" TEE, 6" GATE VALVE, AND FIRE HYDRANT ASSEMBLY
- 4. INSTALL 6" TEE W/THRUST BLOCK
- 5. INSTALL 80' ELBOW W/THRUST BLOCK
- 6. INSTALL 45' ELBOW W/THRUST BLOCK
- 7. INSTALL 22 1/2' ELBOW W/THRUST BLOCK
- 8. INSTALL 8"x6" TEE W/THRUST BLOCK
- 9. REMOVE PLUG AND CONNECT TO EXISTING 8" WATER STUB
- 10. INSTALL 45' ELBOW AND 11 1/4' ELBOW W/THRUST BLOCK
- 11. INSTALL 11 1/4' ELBOW W/THRUST BLOCK
- 12. INSTALL 11 1/4' ELBOW W/THRUST BLOCK
- 13. INSTALL 11 1/4' ELBOW W/THRUST BLOCK
- 14. INSTALL 11 1/4' ELBOW W/THRUST BLOCK
- 15. REALIGN WATER MAIN BELOW SEWER AND STORM DRAIN @ ELEV. INV. 34.77. INSTALL 45' BENDS TO TRANSITION BACK TO 10" MIN. COVER 10" MIN. PAST SEWER AND 50' CROSSING. SEE DETAIL "B" SHEET 21.
- 16. INSTALL 1 1/4" ST. LT. CONDUIT

LEGEND

- PROPOSED PVC SEWER MAIN WITH 4" MANHOLE
- PROPOSED PVC WATER MAIN AND GATE VALVE
- PROPOSED FIRE HYDRANT ASSEMBLY
- EXISTING PVC SEWER MAIN WITH EXISTING MANHOLE
- EXISTING PVC WATER MAIN AND GATE VALVE
- EXISTING FIRE HYDRANT ASSEMBLY
- PROPOSED 1" WATER SERVICE LATERAL WITH 5/8" METER, STUB & PLUG
- PROPOSED 4" SEWER LATERAL AND CLEANOUT
- PROPOSED DRIVEWAY LOCATIONS
- EXISTING STREET LIGHT
- PROP. 100W HPS STREETLIGHT
- PROP. 1 1/4" ST. LT. CONDUIT
- PROP. STREET AND STOP SIGN
- PROP. SEWER BACKWATER VALVE
- PHASE LINE
- MATCH LINE

NOTES

- 1. THE CITY OF LAS VEGAS AND HUNSAKER & ASSOCIATES SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
- 2. ALL UTILITY INSTALLATION SHALL CONFORM TO LAS VEGAS WATER DISTRICT STANDARDS AND THE UNIFORM PLUMBING CODE.
- 3. ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENT HAVE BEEN OBTAINED FROM THE OFFSITE OWNER.
- 4. ALL WORK PERFORMED WITHIN THE PUBLIC RIGHT-OF-WAY AND OUTSIDE THE PROJECT BOUNDARY SHALL BE PERFORMED UNDER A SEPARATE EASEMENT PERMIT ISSUED BY THE CITY OF LAS VEGAS.
- 5. ALL FIRE HYDRANTS SHALL BE PLACED A MIN. 18" BEHIND BACK OF SIDEWALK.
- 6. CONTRACTOR SHALL PROVIDE A MINIMUM OF 11 FEET SEPARATION BETWEEN WATER MAIN AND SANITARY SEWER MAIN.
- 7. PRIOR TO CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS AND SHALL CONTACT ENGINEER IF ANY DISCREPANCIES ARE FOUND.
- 8. FIRE HYDRANT STATIONING REFERENCES TEE LOCATION.
- 9. ADD 3100' TO ALL ELEVATIONS SHOWN.
- 10. ALL STREETS WITHIN SUBDIVISION ARE PUBLIC STREETS, P.U.E. AND CITY OF LAS VEGAS SEWER EASEMENTS.
- 11. A 1" X 3/4" ANGLE METER STOP AND 3/4" METER BOX WILL BE REQUIRED WITH THE 1" SERVICE LATERAL FOR ALL SERVICES WITH 5/8" OR 3/4" SERVICES. DETAILS OF THE ABOVE INSTALLATION ARE AVAILABLE FROM THE ENGINEERING SERVICES DIVISION AND FROM THE DISTRICT'S INSPECTORS.

NOTE: SEE SHEET 15 FOR SEWER DISCHARGE MAP

LAS VEGAS FIRE DEPARTMENT

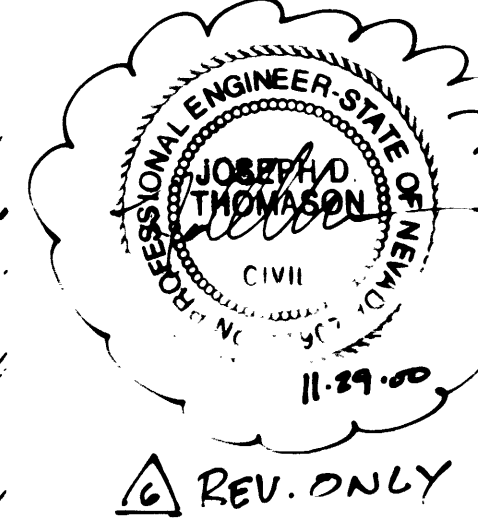
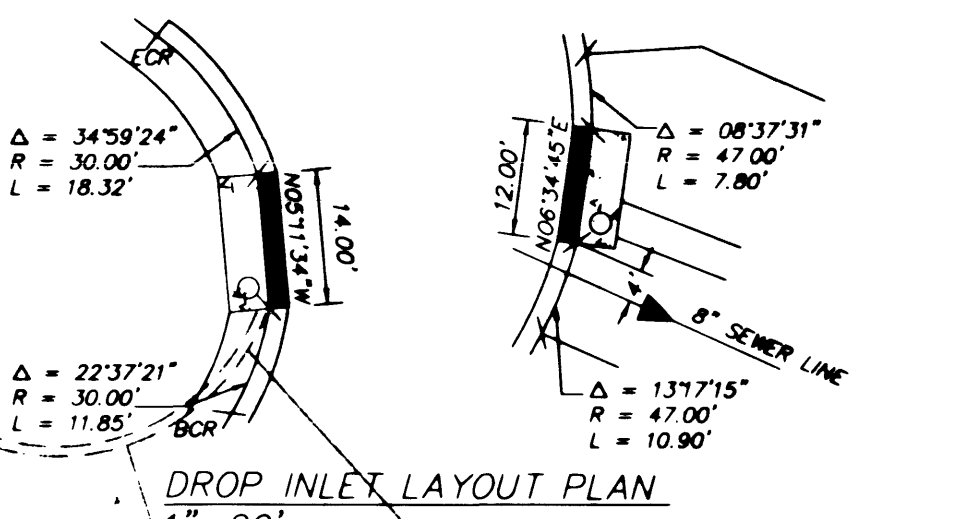
|                                                  |                                      |
|--------------------------------------------------|--------------------------------------|
| FIRE FLOW IS:                                    | 1500 GPM AT 20 PSI RESIDUAL PRESSURE |
| BASED ON:                                        | 2000 SF                              |
| SQUARE FOOTAGE:                                  | 2000 SF                              |
| LARGEST AREA BETWEEN 4-HR AREA SEPARATION WALLS: | N/A                                  |
| BUILDING HEIGHT:                                 | 25 FEET                              |
| NUMBER OF STORIES:                               | 2 FLOORS                             |
| OCCUPANCY:                                       | RESIDENTIAL                          |
| FULL AUTOMATIC FIRE SYSTEM:                      | N/A                                  |

SEWER CONNECTION NOTE

ONE OR MORE SEGMENTS OF THE DOWNSIDE SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO THE COMPLETION AND/OR ACCEPTANCE OF THE DOWNSIDE SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSIDE SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY ARE DEEMED AVAILABLE FOR SERVICE.

SEWER CONTRIBUTION

AVERAGE FLOW:  
170 DU = 170 E.R.U.'S  
170 E.R.U.'S \* 250 GPD/E.R.U. = 42,500 GPD = 0.0425 MGD  
PEAK FLOW:  
FROM TABLE C PG. T-3 CLARK COUNTY SANITATION DISTRICT,  
PEAKING FACTOR = 3.45  
PEAK FLOW = 3.45 PF \* 0.0425 MGD = 0.146 MGD



REV. ONLY

SCALE: HORIZ. 1"=40'

APPROVALS  
5/22/98  
DATE  
5/22/98  
DATE  
AS-BUILT

KAUFMAN BROAD  
4755 INDUSTRIAL ROAD  
LAS VEGAS, NV 89103  
(702) 261-1500

UTILITY PLAN  
CITY OF LAS VEGAS

NEVADA

BROOKFIELD PARCEL "U"  
PHASE I AND II - SUMMERLIN  
SEWER AS-BUILT

1506-30

UT2  
6 OF 22

307Y-454S-1+2

