

WATER CONSTRUCTION NOTES

| # | ITEM | QUANTITY | | |
|----|---|----------|--------|---------|
| | | UNIT | PUBLIC | PRIVATE |
| 1 | INSTALL FIRE HYDRANT ASSEMBLY PER UDS PLATE NO 7 | EA | - | 8 |
| 2 | INSTALL 8" PVC (CLASS 150) WATER LINE | LF | 600 | 2689 |
| 3 | INSTALL 6" PVC (CLASS 150) WATER LINE | LF | - | 103 |
| 4 | INSTALL 4" PVC WATER LINE | LF | - | 1559 |
| 5 | INSTALL 2" WATER SERVICE | LF | - | 1004 |
| 6 | INSTALL 1-1/2" WATER SERVICE | LF | - | 365 |
| 7 | NOT IN USE 8" | EA | - | - |
| 8 | INSTALL 8" REDUCED PRESSURE PRINCIPLE ASSEMBLY (RPPA) PER UUDACS PLT. 11C | EA | 2 | - |
| 9 | ABANDON EX. 8" CDCA AND INSTALL 6" X 3" TYPE I F5M PER UDS PLT NO. 21C | EA | 2 | - |
| 10 | INSTALL 8" X 8" TEE W/THRUST BLOCK PER UDS PLT. NO. 5 | EA | 1 | 4 |
| 11 | INSTALL 8" X 6" TEE W/THRUST BLOCK PER UDS PLT. NO. 5 | EA | - | 8 |
| 12 | INSTALL 8" X 4" TEE W/THRUST BLOCK PER UDS PLT. NO. 5 | EA | - | 25 |
| 13 | INSTALL 8" 90° BEND W/THRUST BLOCK PER UDS PLT. NO. 5 | EA | - | 6 |
| 14 | INSTALL 8" X 6" REDUCER | EA | - | 4 |
| 15 | INSTALL 8" GATE VALVE | EA | 1 | 8 |
| 16 | INSTALL 8" MANUAL BLOW-OFF ASSEMBLY PER UDS PLT. NO. 4A | EA | 1 | 2 |
| 17 | INSTALL 1-1/2" SERVICE SADDLE | EA | - | 23 |
| 18 | INSTALL 2" SERVICE SADDLE | EA | - | 21 |

SEWER CONSTRUCTION NOTES

| # | ITEM | QUANTITY | | |
|---|---|----------|--------|---------|
| | | UNIT | PUBLIC | PRIVATE |
| 1 | INSTALL 48" DIA SANITARY SEWER MANHOLE PER STD. DWG. NO. SD-1 | EA | 1 | 11 |
| 2 | INSTALL 8" PVC (SDR-35) SEWER MAIN | LF | - | 2275 |
| 3 | INSTALL 4" PVC (SDR-35) SEWER LATERAL | LF | - | 1329 |
| 4 | INSTALL 4" SANITARY SEWER CLEANOUT | EA | - | 48 |

NOTE:
ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UUDACS SECTION 3.13.01, AND APPROVED BY THE LVWWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.

AVERAGE = $3402 \text{ FU} \times 0.45 \text{ ERU} \times 250 \text{ GPD} = 0.3827 \text{ MGD}$
 PEAK = $3.4 \times 0.3827 = 1.3012 \text{ MGD}$

ABANDONED VALVES NOTE

ALL VALVES TO BE ABANDONED SHALL BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF THE TOP TWENTY-FOUR (24) INCHES OF THE VALVE BOX AND THEN FILLING THE BOTTOM OF THE BOX WITH A MINIMUM OF EIGHT (8) INCHES OF SAND OR TYPE II AGGREGATE BASE. THE REMAINING PORTION OF THE VALVE BOX SHALL BE FILLED WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST TWO THOUSAND (2,000) PSI.

FIRE FLOW CALCULATIONS
 FIRE FLOW REQUIREMENT IS 1750 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE
 BASED ON:
 SQUARE FOOTAGE: 16,182 SQUARE FEET
 LARGEST AREA BETWEEN 4-HOUR: N/A SQUARE FEET
 AREA SEPARATION WALLS: 35' MAX.
 BUILDING HEIGHT: 2 FLOORS
 NUMBER OF STORIES: V-B
 TYPE OF CONSTRUCTION: R
 OCCUPANCY: R
 FULL AUTOMATIC FIRE SPRINKLER SYSTEM: YES
 REVIEWED BY: [Signature] DATE: 12/7/06
 LAS VEGAS FIRE DEPT.

BENCHMARK

8000 13SES-2 IN BRASS CAP IN THE TOP OF CURB @ NW CORNER OF DECATUR & SMOKE RANCH ELEVATION = 672.27 METERS (2205.60 FEET) NAVD88

APPROVALS

LAS VEGAS VALLEY WATER DISTRICT PROJECT 113444 SHEET UT1, UT2, UT3 DATE
 [Signature] DATE 12/7/06
 CITY OF LAS VEGAS FIRE MARSHAL DATE
 FIRE FLOW REQUIREMENT IS 1750 GALLONS PER MINUTE AT 20 PSI RESIDUAL

BASIS OF BEARING

NORTH 02°27'23" EAST - THE CENTERLINE OF DECATUR BOULEVARD AS SHOWN ON AMENDED PARCEL MAP IN FILE 98, PAGE 79, CLARK COUNTY RECORDS, NEVADA.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

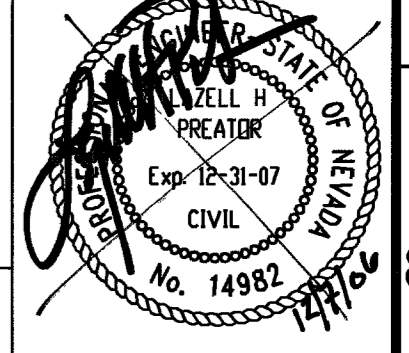
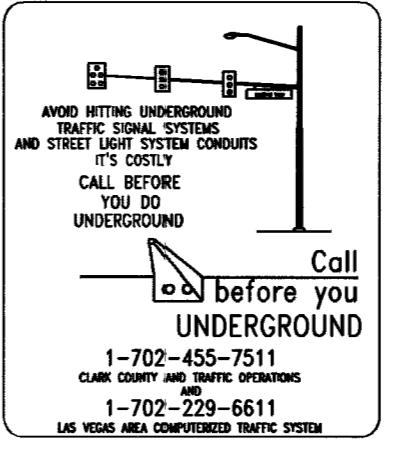
CUT AND CAP

THE LATERAL MUST BE CUT WITHIN THREE(3) FEET OF THE ABANDONED VALVE, OR AS SHOWN ON PLANS, AND CAPPED. THE CONTRACTOR SHALL CUT THE EXISTING PIPE WHERE SHOWN ON THE DRAWING, AND INSTALL A CAP COMPLETE WITH THRUST BLOCK. WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATIONS, THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. A CONCRETE THRUST BLOCK SHALL BE INSTALLED AT ALL CAP OR PLUG LOCATIONS, IN ACCORDANCE WITH THE PROVISIONS OF UUDACS PLATE 5.

NOTE:
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 WHEN-EVER THE PRESSURE EXCEEDS 80 PSI. PRVs ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWD FACILITIES.

NOTE:
THE DISTRICT CANNOT GUARANTEE A WATERLIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE FUGITIVE WATER THAT MAY IMPEDE CONSTRUCTION AT ALL TIMES. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRIAL SHUTDOWN. CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE.

NOTE:
ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UUDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES



CLV DWG # 107N4783

PREPARED FOR: **TME INVESTMENTS**
 1210 HINSON STREET NEWPORT BEACH, CA 92660
 PHONE: (702)733-0776 FAX: 920-8801

DATE: DECEMBER 2006
 DESIGN: UPH
 DRAWN: JSR
 CHECK: LH
 SCALE: 1"=40'

BAUGHMAN & TURNER, INC.
 CIVIL ENGINEERS LAND PLANNERS
 1210 HINSON STREET LAS VEGAS, NEVADA 89102
 (702) 870-8771 (702)878-2695

DECATUR VILLAGE APARTMENTS UTILITY PLAN
 SECTION 13, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.B. & M. CITY OF LAS VEGAS
 DECATUR BLVD AND MADRE MESA DRIVE

99542