

**UTILITY STATEMENT**

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE ENGINEER MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN ON THESE PLANS COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF THE EXISTING UNDERGROUND UTILITIES IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION.

**UTILITY CROSSING NOTE**

WHERE WATER AND SEWER ARE CROSSING, THE CONTRACTOR SHALL ENSURE COMPLIANCE WITH LVVWD GENERAL NOTE 8 AS SHOWN ON SHEET C2. CONTRACTOR IS RESPONSIBLE TO QUANTIFY ANY ADDITIONAL REQUIREMENTS THIS NOTE REQUIRES PRIOR TO BIDDING. IF ANY CONFLICTS DO EXIST, THE CONTRACTOR IS TO NOTIFY THE ENGINEER IMMEDIATELY.

**CONSTRUCTION NOTES-WATER**

- 1 2" METER - UDACS PLATE NO. 1-1
- 2 2" RPPA - UDACS PLATE NO. 11-A
- 3 10" D.C.D.A.
- 4 10" FIRE LINE C-400
- 5 4" WATER - PVC (DOMESTIC)
- 6 2" WATER - PVC (DOMESTIC) COPPER
- 7 FIRE HYDRANT - UDACS PLATE NO. 7
- 8 8" GATE VALVE - UDACS PLATE NO. 8
- 9 4" GATE VALVE - UDACS PLATE NO. 8
- 10 10" GATE VALVE - UDACS PLATE NO. 8
- 11 10" x 8" W/THRUST BLOCKS
- 12 10" x 8" W/THRUST BLOCKS
- 13 10" MJ TAPPING SLEEVE W/10" TAPPING VALVE W/THRUST BLOCKS
- 14 4"x4"x4" TEE W/THRUST BLOCKS
- 15 4" 90° BEND W/THRUST BLOCKS
- 16 2" SERVICE SADDLE
- 17 2" 90° BEND W/THRUST BLOCKS
- 18 4" WATER - PVC (SERVICE)
- 19 1"x1"x6" TEE W/ THRUST BLOCKS
- 20 6" GATE VALVE - UDACS PLATE NO. 6
- 21 6" WATER - PVC (FIRE)
- 22 6" MJ TAPPING SLEEVE W/6" TAPPING VALVE W/THRUST BLOCKS
- 23 14" MJ TAPPING SLEEVE W/14" TAPPING VALVE W/THRUST BLOCK
- 24 10" WATER - PVC (PUBLIC)
- 25 2" x 4" REDUCER W/ THRUST BLOCKS
- 26 1" x 4" TEE W/ THRUST BLOCKS
- 27 4" WATER-PVC (FIRE)
- 28 8" WATER-PVC (PUBLIC)
- 29 8" MJ TAPPING SLEEVE W/8" TAPPING VALVE W/THRUST BLOCKS
- 30 TRENCH PER CC STD. DWG. NO. 50; EXACT LIMITS TO BE DETERMINED BY CLV INSPECTOR.
- 31 FDC LOCATION
- 32 ABANDON VALVE-CUT AND CAP PER NOTE ON C7
- 33 6"x6" M.J. TAPPING TEE W/6" TAPPING VALVE

**CONSTRUCTION NOTES-SANITARY SEWER**

- 1 8" PVC SANITARY SEWER
- 2 STD. 5" DIA. MANHOLE
- 3 4" SANITARY SEWER SERVICE
- 4 SANITARY SEWER CLEANOUT

**CONSTRUCTION NOTES-SANITARY SEWER**

- 1 INSTALL R8-31- "NO PARKING FIRE LANE" SIGN

**BENCHMARK**

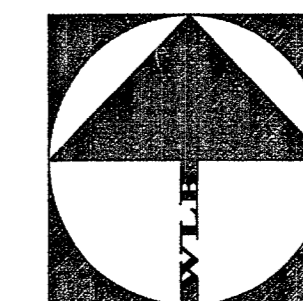
CLV# 2LV01 28NE66  
A RIVET AND PLATE IN TOP OF CURB ON THE NORTHWEST RETURN OF H STREET AND MONROE AVENUE.  
ELEVATION: 2033.62 FEET (NAVD 88) 619.8484M

**BASIS OF BEARINGS**

BEING THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN ON PARCEL MAP IN FILE #7, PAGE 93, OFFICIAL RECORDS, CLARK COUNTY, NEVADA, WHICH BEARS: NORTH 89°55'28" EAST.

**INSTALLATION OF DOUBLE CHECK**

**DETECTOR ASSEMBLY - 2-8"**  
THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 20B 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



SCALE: 1" = 30'

GRAPHIC SCALE

(IN FEET)  
1 inch = 30' ft.

**LEGEND**

PROPOSED	EXISTING
PROPERTY BOUNDARY	PROPERTY BOUNDARY
RIGHT-OF-WAY	RIGHT-OF-WAY
LOT LINE	LOT LINE
CENTERLINE	CENTERLINE
CURB & GUTTER	CURB & GUTTER
PAD ELEVATION	PAD ELEVATION
BLOCK WALL	BLOCK WALL
WATER LINE	WATER LINE
WATER VALVE	WATER VALVE
WATER METER	WATER METER
PIV	PIV
FIRE HYDRANT	FIRE HYDRANT
RPPA	RPPA
DCDA	DCDA
CENTERLINE	CENTERLINE
SANITARY SEWER MANHOLE	SANITARY SEWER MANHOLE
SANITARY SEWER CLEANOUT	SANITARY SEWER CLEANOUT
SANITARY SEWER FLOW ARROW	SANITARY SEWER FLOW ARROW
GAS LINE	GAS LINE
GAS VALVE	GAS VALVE
GAS METER	GAS METER
GAS MANHOLE	GAS MANHOLE
TRAFFIC CONDUIT	TRAFFIC CONDUIT
PULL BOX	PULL BOX
TRENCH, BACKFILL AND REPLACE PAVING PER C.C. STD. DWG. NO. 503	TRENCH, BACKFILL AND REPLACE PAVING PER C.C. STD. DWG. NO. 503
BUILDING TO HAVE SPRINKLER SYSTEM. SEE ARCHITECTURALS FOR ROOM LOCATION & DETAILS	BUILDING TO HAVE SPRINKLER SYSTEM. SEE ARCHITECTURALS FOR ROOM LOCATION & DETAILS
FIRELANE ("FIRE LANE, NO PARKING")	FIRELANE ("FIRE LANE, NO PARKING")

*Note:* ALL NET UTILITIES INSTALLED "AS PER PLAN" UNLESS NOTED.

*Note:* DOMESTIC WATER (4") TO BLDGS. TO BE REDUCED TO 3" AT SHUT OFF VALVE AT BUILDINGS.

*Note:* FIRE LINE AND DOMESTIC INSTALLED IN COMMON TRENCH (ON-SITE).

**ABANDONMENT OF EXISTING SERVICE(S)**

LARGER THAN 2"  
THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT THE LVVWD (702-258-3227) 48 HOURS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL METER READING OF THE METER. AFTER THE FINAL READING, THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICE AS FOLLOWS:

ALL VALVES TO BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF THE TOP 12 INCHES OF THE VALVE BOX AND THEN FILLING THE REMAINING PORTION OF THE VALVE BOX WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST 2,000 P.S.I. THE CONTRACTOR SHALL CUT THE EXISTING PIPE 3" BEYOND THE ABANDONED VALVE AND INSTALL A CAP WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION. THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. THE CONTRACTOR SHALL INSTALL A CONCRETE THRUST BLOCK IN ACCORDANCE WITH THE PROVISIONS OF THE UDACS PLATE NO. 5 AT ALL CAP OR PLUG LOCATIONS. THE EXISTING METER(S) SHALL BE REMOVED AND DELIVERED TO THE DISTRICT. THE CONTRACTOR SHALL THEN REMOVE AND/OR BACKFILL THE ABANDONED VAULT (1-4" METER ACC NO. 2616 METER NO. 48827).

**FIRE DEPARTMENT**

FIRE FLOW REQUIREMENT IS 2.2 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.  
BASED ON:  
SQUARE FOOTAGE \_\_\_\_\_ SQUARE FEET  
LARGEST AREA BETWEEN 4-HOUR \_\_\_\_\_ SQUARE FEET  
AREA SEPARATION WALLS: \_\_\_\_\_ FEET  
BUILDING HEIGHT: \_\_\_\_\_ FEET  
NUMBER OF STORIES: \_\_\_\_\_ FLOORS  
TYPE OF CONSTRUCTION: \_\_\_\_\_  
OCCUPANCY: \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_ DATE: 9/15/02  
FULL AUTOMATIC FIRE PROTECTION SYSTEM APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR NOR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

SEWER CONTRIBUTION RATE			
NUMBER OF UNITS=	100	(GPD)	.0002 (MGD)
AVG. DAILY FLOW PER UNIT=	175	(GPD)	.0175 (MGD)
TOT. AVG. DAILY UNIT FLOW=	17,500	(GPD)	.0175 (MGD)
PEAK FACTOR =	3.4	X	3.4
TOT. PEAK DAILY UNIT FLOW=	59,500	(GPD)	.0595 (MGD)
NUMBER OF OTHER=	1		
AVG. DAILY FLOW PER OTHER=	112.5	(GPD)	.0001 (MGD)
TOT. AVG. DAILY OTHER FLOW=	112.5	(GPD)	.0001 (MGD)
PEAK FACTOR =	3.4	X	3.4
TOT. PEAK DAILY OTHER FLOW=	382.5	(GPD)	.0004 (MGD)
TOT. PEAK DAILY FLOW=	59,882.5	(GPD)	.0599 (MGD)

**NOTE**  
ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS"(UDACS), LATEST EDITION.

**APPROVED FOR CONSTRUCTION**

Las Vegas Valley Water District

PROJECT NAME: EVERGREEN APT.

Drawn by: JRM  
Designed by: JRM  
Checked by: ANS

Call before you Dig.  
800-227-2600

Call before you Overhead  
593-6111

DATE: 09/19/02

REVISION

REV DATE BY

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