

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

**Call before you Overhead**  
**1-800-227-2600**  
 Nevada Power  
 Environment and Safety  
 Services Department

|                          |                             |
|--------------------------|-----------------------------|
| TYPE OF CONSTRUCTION:    | V-B                         |
| TOTAL LIVING AREA:       | 4,800 S.F.                  |
| TOTAL SF UNDER ROOF:     | 4,800 S.F.                  |
| NUMBER OF STORIES:       | 2                           |
| BUILDING USE:            | SINGLE FAMILY RESIDENTIAL   |
| SPRINKLERED:             | NO                          |
| NUMBER OF FIRE HYDRANTS: | 7                           |
| FIRE FLOW:               | 1/30 GPM AT 20 PSI RESIDUAL |

5' S/W

XXXX

PUBLIC FIRE HYDRANT INST.  
WITH SIDEWALK PER DBACS PLT 40

APN: 137-34-277

OWNERS GREYSTONE NEVADA LLC

Diagram illustrating a public fire hydrant installation without a sidewalk, showing dimensions and components.

Dimensions:

- 1.5' (from curb to hydrant)
- 1.5' (from hydrant to centerline)
- 3' (from centerline to curb)

Components:

- Cap
- Nut
- Hydrant
- Curb
- Centerline

Label: PUBLIC FIRE HYDRANT WITHOUT SIDEWALK PER UDCAS AT 40'

1. ADJUST WATER VALVE BOXES TO FINISH GRADE PER UDACS PLATE NO. 39. VALVES SHALL BE ACCESSIBLE AT ALL TIMES.
2. ALL SEWER/STORM DRAINS CROSSING WATERLINES MUST CONFORM TO SECTION 2.22 OF UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES.
3. ALL WATER PIPE DIMENSIONS SHOWN ARE GIVEN FROM FITTING TO FITTING AND ARE FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSION PRIOR TO CONSTRUCTION.

CITY OF LAS VEGAS BENCHMARK No. 7L09 34C4  
A RIVER AND PLATE IN THE TOP OF CURB AT THE  
NORTHEAST CORNER OF PASEO MUST BE AND DESERT MOON  
DR.  
ELEVATION=987.074 METERS (NAVO'RB)  
ELEVATION=9771.07 US SURVEY FEET (NAVO'RM)  
**BASIS OF BEARINGS**  
SOUTH 83°00'00" WEST BEING THE BEARING OF THE  
CENTRALITY OF PASEO ARREZET DRIVE AS SHOWN BY MAP  
THEREOF ON FILE IN THE CLARK COUNTY RECORDER'S  
OFFICE IN BOOK 121, PAGE 12 OF PLATS

21 INSTALL 48" STANDARD MANHOLE (PER DCSWS STD No. SD-1A, SD-4, SD-5 & SD-6)

22 INSTALL 1" SEWER LATERAL (PER DCSWS STD No. SD-17, SD-22 & SD-25) AND 1 CU-FIT THRU BLOCK & CAP

23 ABANDON EXISTING 8" SEWER MAIN PER DCSWS 3.10.1

24 ABANDON EXISTING 48" SEWER MANHOLE PER DCSWS 5.2.2

25 INSTALL 48" STANDARD MANHOLE WITH CORROSION PROTECTION (PER DCSWS STD No. SD-1A, SD-4, SD-5, SD-6 & DCSWS 2.2.1, 6.1.2)

- 1) INSTALL FIVE HYDRAUNT ASSEMBLY PER UDACS PLATE NO. 49
- 2) UNCLASSIFIED "G" GATE VALVE
- 3) INSTALL 8" X 6" TAPPING SLEEVE WITH #1 DRUMHOOD VALVE  
PER UDACS PLATE NOS. 44, 48 AND UDACS 2,3,4,5,6
- 4) INSTALL 8" X 6" Tee PER UDACS PLATE NO. 51
- 5) INSTALL 8" x .45" BEND PER UDACS PLATE NO. 50
- 6) INSTALL 8" x 28.5° BEND PER UDACS PLATE NO. 51
- 7) INSTALL 8" 11.25° BEND PER UDACS PLATE NO. 51
- 8) INSTALL 8" x 5" BEND WITH RESTRAINED JOINTS
- 9) INSTALL 8" GATE VALVE PER UDACS PLATE NOS. 50 & NO. 59
- 10) INSTALL 8" X 6" Tee PER UDACS PLATE NO. 51
- 11) INSTALL 8" X 6" REDUCER PER UDACS PLATE NO. 50
- 12) INSTALL 8" 11.25° BEND PER UDACS PLATE NO. 51
- 13) INSTALL (2) 4" SCHEDULE 40 PVC IRRIGATION SLEEVES
- 14) INSTALL (4) 4" SCHEDULE 40 PVC IRRIGATION SLEEVES
- 15) OPEN GATE VALVE AFTER ISOLATION OF 3435 PRESSURE ZONE
- 16) COMPLETED PER NOTE 12 BELOW.
- 17) INSTALL 8" CAP WITH 2" BLOW OFF ASSEMBLY PER UDACS  
PLATE NO. 50
- 18) INSTALL 1" COPPER SERVICE LATERAL WITH 3/4" WATER PER  
UDACS PLATE NO. 4 (INSTALL PER UNIMPOVED LOCATION)
- 19) INSTALL 1" COPPER SERVICE LATERAL WITH 3/4" WATER  
(FOR IRRIGATION) WITH 1" RPPA PIP UDACS PLATE  
NOS. 4 & 8 (1" BRASS WATCHLINE BETWEEN METER AND  
VALVE)
- 20) PRIOR TO CONNECTIONS TO THE EXISTING WATER MAIN IN  
THE ORILL DRIVE, GATE VALVES AND CORRECTOR PIPS  
BETWEEN WATER PRESSURE ZONES TO BE ABANDONED PER  
NOTE 10 ON PG-37TH SHEET BA WHICH ISOLATES THE  
3435 PRESSURE ZONE.
- 21) INSTALL 8" x 28.5° BEND PER UDACS PLATE NO. 51

**TOLL BROTHERS INC.**

**PRC** **Engineering**  
PHONE: 702-743-0000 FAX: 702-743-9910

# AS Built SEWER

3/16/14 A - Revised Per CLV comments

**UTILITY LATERAL NOTES**  
WATER AND SEWER LATERAL  
STATIONS SHOWN ON THIS PL.  
SET ARE CALCULATED AT THE  
OF CURB

**BACKWATER VALVE**  
**(RW) ALL LOTS WITH THIS**  
**PRESSURE REDUCING**

**PRV** ALL LOTS WITH THIS SYMBOL REQUIRE A PRESSURE REDUCING VALVE

**WATER MAIN JOINT DEFLECTION (PVC 4'-24')**

PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1.150 FEET PER INCHES 2.0761 AND 2.0762.

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

NOTE:  
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELEVATION FITTING PER UDAC'S PLATE NO. 15

1. THIS PROJECT RESIDES WITHIN THE 3550 WATER ZONE, THEREFORE ALL LOTS WITH A FINISH FLOOR ELEVATION LESS THAN 3555.39 WILL REQUIRE AN INDIVIDUAL, ON-SITE (PRIVATE) PRESSURE REDUCING VALVE.
2. THIS PROPERTY HAS 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. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LYVVO FACILITIES.

CALCULATIONS:  
UNIT 1 = 53 ERU (53 LOTS) \* 250 GPD = 0.0133 MGD  
= 0.0133 \* 3.3 = 0.0438 MGD PEAK

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR ANY APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

11848157  
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER  
DATE: 4/22/13 PROJECT: 121284  
LYVWD APPROVED FIRE FLOW 1,750 GPM AT 20 PSI RESIDUAL

IMPROVEMENT PLANS FOR  
SANTALUZ AT SUMMERLIN VILLAGE 23A  
PARCELS ES-1 AND WS-1

UTILITY PLAN (SHEET 1 OF 5)

PROFESSIONAL ENGINEER STATE OF NEVADA  
JOHN I. LAND  
Exp. 12/31/2013  
CIVIL  
No. 18441

4/17/2013

DRAWING  
U-1  
SHT 28 OF 39  
CLV DRAWING NUMBER