

STORM DRAIN AND LATERAL CHART

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	MEASURED INV
80258	667980.5560	226491.4140	2767.37'	TBC-DI	
80259	667984.2960	226487.0280	2767.43'	TBC-DI	
80260	667980.9600	226488.3332		24" SD @ DROP INLET INV	2760.46'
80261	667955.4960	226489.9630	2765.87'	TOPWALL@PIPE	2759.61'

**ENGINEER 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 AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES 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.

**EXISTING SERVICES:**  
 IF ANY OF THE EXISTING SERVICES ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON, THE DEVELOPER SHALL ABANDON THE LATERALS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE UDACS STANDARDS, AND AT THE DEVELOPER'S EXPENSE.

**NOTE:**  
 LOTS 10-30 & 40-60  
 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 80PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVMO FACILITIES.

**BASIS OF BEARINGS**  
 GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.  
 LINEAR UNIT: US SURVEY FOOT (FTUS)  
 DATUM (REFERENCE FRAME): NAD 1983 (CORRS 2011) EPOCH 2010  
 SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)  
 ZONE: LAS VEGAS  
 PROJECTION: TRANSVERSE MERCATOR  
 STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N  
 LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W  
 NORTHING AT GRID ORIGIN: 200,000,000 M (656,166.6667 FTUS)  
 EASTING AT CENTRAL MERIDIAN: 100,000,000 M (328,083.3333 FTUS)  
 SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)  
 NOTES:  
 1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION. THE PROJECTION WAS DEFINED SUCH THAT PROJECTED (GRID) DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES IN THE PROJECT AREA.  
 2. GRID BEARINGS SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDIAN CONVERGENCE.

**PROJECT BENCHMARK**  
 PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)  
 CITY OF LAS VEGAS BENCHMARK: 8LV0193W6  
 ADJUSTMENT (UPDATED 2005-2007) NAVD88  
 ELEVATION: 839.644 METERS (2754.73 FEET)  
 RIVET AND PLATE CONCRETE BASE FENCE POLE N. BOUNDARY CC215 AT CONQUISTADOR STREET.

- LEGEND**
- 2 LOT NUMBER
  - BACK OF CURB LINE
  - LOT LINES
  - STREET CENTERLINE
  - 2" BRASS CAP IN CONCRETE STAMPED "VTN PLS 11449"

**SURVEYOR'S NOTE:**  
 I, RAYMOND D. BOND, A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF NEVADA, DO HEREBY CERTIFY THAT THE MEASUREMENTS SHOWN ON THE MAP ARE WITHIN THE POSITIONAL CERTAINTY OF 0.5' HORIZONTALLY AND 0.5' VERTICALLY. THE SURVEY WAS COMPLETED ON JUNE 29, 2015.

RAYMOND D. BOND, P.L.S.  
 NEVADA LICENSE NO. 16224

6-29-2015	DESIGNED BY: DO	6-30-2015	CHECKED BY: RIB	PROJECT NO: 7519	SCALE: 1"=30' HORIZ. VERT. NA
6-29-2015	DESIGNED BY: DO	6-30-2015	CHECKED BY: RIB	PROJECT NO: 7519	SCALE: 1"=30' HORIZ. VERT. NA
SHEET <b>SDA</b> 1 of 1 SHEETS DRAWING NO. <b>107Y4994-2</b>					
<b>H#53326</b>					

RYLAND HOMES  
 8925 W. RUSSELL ROAD, SUITE 200  
 LAS VEGAS, NV 89148  
 (702) 360-7500  
 2727 SOUTH RAINBOW BOULEVARD  
 LAS VEGAS, NEVADA 89146-5148  
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 CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS

# Memorandum

Department of Public Works  
City Engineer Division  
Survey Section  
333 North Rancho Dr., 8<sup>th</sup> Floor  
Las Vegas, Nevada 89106  
Phone (702) 229-6217  
Fax (702) 804-8582

To: Michael Cunningham, Manager  
Building and Safety Department

Raymond D. Bond, PLS  
VTN Nevada

From: Alan R. Riecki, PLS  
City Surveyor

Date: July 30, 2015

Re: Storm Drain Final Location Map  
Bristle Falls Unit 2  
(Drawing No. 107Y4994-2, L-Civil No. 53326)

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The Survey Section has reviewed the Final Location Map and as far as our jurisdiction of this project is concerned, we find that the map is:

Acceptable: 7/30/2015



Signature

City Surveyor

Title

Public Works/Survey  
Department/Division

ARR/OS:sk

C: Oh-Sang Kwon, P.E.  
Ralph Kouns  
Wally Simpson  
Mark Christensen

**CITY OF LAS VEGAS**  
BUILDING AND SAFETY DEPARTMENT

OFFSITE INSPECTION & TESTING  
333 NORTH RANCHO DRIVE  
LAS VEGAS, NV 89106  
PHONE: (702) 229-6337  
FAX: (702) 631-3000

**DEVELOPER'S SUBMITTAL OF LOCATION COORDINATES**

- Sewer                       Storm Drain
- Electronic Comma Delineated File
- Final Location Map (2 copies each for either sewer OR storm drain)

**NOTE: THE TOP PART OF THIS FORM MUST BE FILLED OUT IN ITS ENTIRETY**

PROJECT NAME: BRISTLE FALLS UNIT: 2 PHASE: N/A  
PROJECT LOCATION: DEER SPRINGS WAY / BRISTLE FALL ST  
CLV PLAN #: 107Y 4994-2 CLV PROJECT # 53326 SHEET NO. (S): 1  
# OF MANHOLES     PUB. SEWER/STORM DRAIN LIN. FT. 25 # OF PRIVATE LATERALS 1

DEVELOPER: RYLAND HOMES PHONE: 702-360-7500 FAX: 702-360-7590  
SURVEY CO.: VTN NEVADA PHONE: 702-873-7550 FAX: 702-362-2597  
CONTRACTOR: TERRA CONTRACTING PHONE: 702-580-8703 FAX: 702-451-8100  
CONTRACTOR'S SUPERVISOR NAME: JUSTIN ANDERSON MOBILE: 702-580-8703  
DATE OF REQUEST: 7-2-15

**SUBMIT DIRECTLY TO THE OFFICE OF THE CITY  
SURVEYOR LOCATED ON THE 8<sup>th</sup> FLOOR OF THE  
DSC / 333 N Rancho, 89106**

**Please get a stamped copy of this form for your records.**

**CITY USE ONLY**

DATE AND INITIALS / RECEIVED BY THE CITY SURVEYOR \_\_\_\_\_

ACCEPTABLE BY CITY SURVEYOR DATE: 7/30/15 NOT ACCEPTABLE BY CITY SURVEYOR DATE \_\_\_\_\_

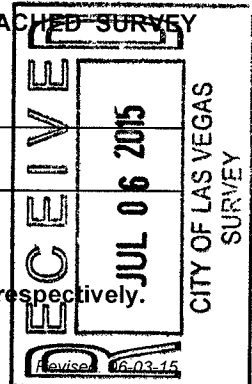
CLV SURVEYOR'S SIGNATURE: *Alan R. Rindler* DATE: 7/30/15

THE CITY OF LAS VEGAS RECOMMENDS THAT ALL DEFICIENCIES NOTED ON THE ATTACHED SURVEY REPORT BE CORRECTED PRIOR TO THE FINAL ACCEPTANCE.

Notes: \_\_\_\_\_

**ROUTING:**

- > Once "ACCEPTABLE"; SURVEY to forward a copy of this form to O.I.T. for the file.
- > Final Location Maps to be forwarded to and retained by Flood Control or Sanitation Engineer respectively.





**City of Las Vegas**  
**Department of Public Works**  
**Survey Section**

**REVIEW CHECKLIST**  
**STORM DRAIN**  
**FINAL LOCATION MAP**

**JOB NUMBER** H53326 SD3  
**PROJECT NAME** Bristle Falls Unit 2  
**WORK AUTH. NO.** P28000  
**SUBMITTED BY** VTN  
**PROJECT TYPE** CIP  Land Dev  Street Rehab   
**DATE** 7/30/15  
**REVIEWED BY** D. SANTANA

**REVIEW DETERMINATION**

- Approved  
 Not Acceptable

**TO BE RE-SUBMITTED**

- Two bond copies (no mylar)  
 Electronic media with comma-separated coordinate file

REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
<b>Submittal Contents</b>				
Two bond copies (no mylar)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Electronic media containing comma-separated coordinate file	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>General Map Contents</b>				
Sheet size 24" x 36"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sheet number and number of sheets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
North arrow (pointing up, left or right)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Scale (written & graphic, correctly shown, appropriate scale used)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lettering legibility (minimum text size 0.08")	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Map title shown ("Storm Drain Final Location Map")	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV project name shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV Hansen No. shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV Drawing No. shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Preparer's company name and contact information shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Legend (all linetypes and symbols defined)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Non-standard abbreviations defined	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Distances, coordinates and elevations labeled using decimal feet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Approximate limits of streets shown (improvements or right-of-way)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Street names labeled (identified as public or private)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

