

# 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

From: Alan R. Riecki, PLS  
City Surveyor

C: Derek S. Crowther, PLS  
Heritage Surveying

Tim Parks, P.E., Engineering Project Manager  
Sanitary Sewers Section, Engineering Planning

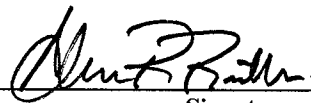
Date: December 17, 2018

Re: Sanitary Sewer Final Location Map  
DEER SPRINGS AND HUALAPAI  
(Drawing No. 107Y5060, L-Civil No. 69418)

---

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: December 13, 2018



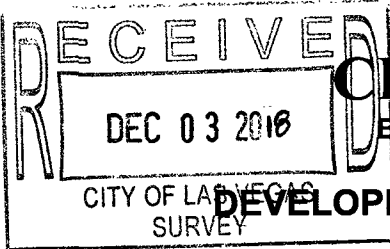
Signature

City Surveyor

Title

Public Works/Survey

Department/Division



**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: Storage One UNIT:      PHASE:       
 PROJECT LOCATION: Deer Springs & Hualapais  
 CLV PLAN #: L9418 CLV PROJECT # 1161109 SHEET NO. (S):       
 # OF MANHOLES 1 PUB. SEWER/STORM DRAIN LIN. FT. 39' # OF PRIVATE LATERALS 1

DEVELOPER: TETON BUILDERS PHONE: 702.355.4530 FAX:       
 SURVEY CO.: Heritage Surveying PHONE: 702.474.277 FAX:       
 CONTRACTOR: TETON BUILDERS PHONE:      FAX:       
 CONTRACTOR'S SUPERVISOR NAME: DUSTY ROBERTS MOBILE: 702.469.0026  
 DATE OF REQUEST:     

**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:      NOT ACCEPTABLE BY CITY SURVEYOR DATE     

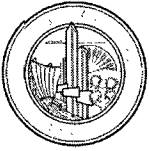
CLV SURVEYOR'S SIGNATURE: Albert R. Biddle DATE: 12-17-16

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

Notes: M.H. Lt-5422 Intercept Pipe Lt-3055-2704

**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**  
**SANITARY SEWER**  
**FINAL LOCATION MAP**

JOB NUMBER L-69418 SS2  
 PROJECT NAME DEER SPRINGS AND HUALAPAI  
 WORK AUTH. NO. P28000  
 SUBMITTED BY HERITAGE SURVEYING (DEREK S CROWTHER)  
 PROJECT TYPE CIP  Land Dev  Street Rehab   
 DATE 12/13/18  
 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 ("Sanitary Sewer 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV Drawing No. shown	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**REVIEW CHECKLIST – SANITARY SEWER FINAL LOCATION MAP**

REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
<b>Sanitary Sewer Improvements Data</b>				
<b>*NOTE</b> As of December 1, 2015 <b>manhole cover locations are no longer required.</b>				
Manhole Barrel/Base: (measured horizontally at centerline of structure barrel/base, vertical location does not apply)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vaults and Junction Structures: (measured horizontally at all outer extents of structure, vertically at top of structure)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Lateral/Main/Interceptor Pipes: locate at all connections to other pipes and structures, all horizontal and vertical deflections, points of termination (stubs), point at which pipe exits the public right-of-way or easement (measured horizontally at centerline of pipe, vertically at top of pipe)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>*NOTE</b> All pipe connections to manholes and other structures should be located at outside face of structure before backfilling due to accuracy limitations of pipe measurements from the structure's surface access point.				
<b>Coordinate Information</b>				
Data acquisition completion date indicated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coordinate system indicated (only CLV approved coordinate systems are to be used)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Horizontal datum, datum adjustment, and epoch date indicated (only CLV approved datums are to be used)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Benchmark ID, description, elevation indicated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Statement of positional accuracy per the tolerances indicated below	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>*NOTE</b> For all projects with improvement plans approved <b>prior to March 1, 2015</b> coordinates provided must be accurate to within <b>±0.5 feet</b> horizontally and vertically. For all projects with improvement plans approved <b>after March 1, 2015</b> coordinates provided must be accurate to within <b>±0.3 feet</b> horizontally and vertically.				
Coordinate accuracy QA/QC (when available)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

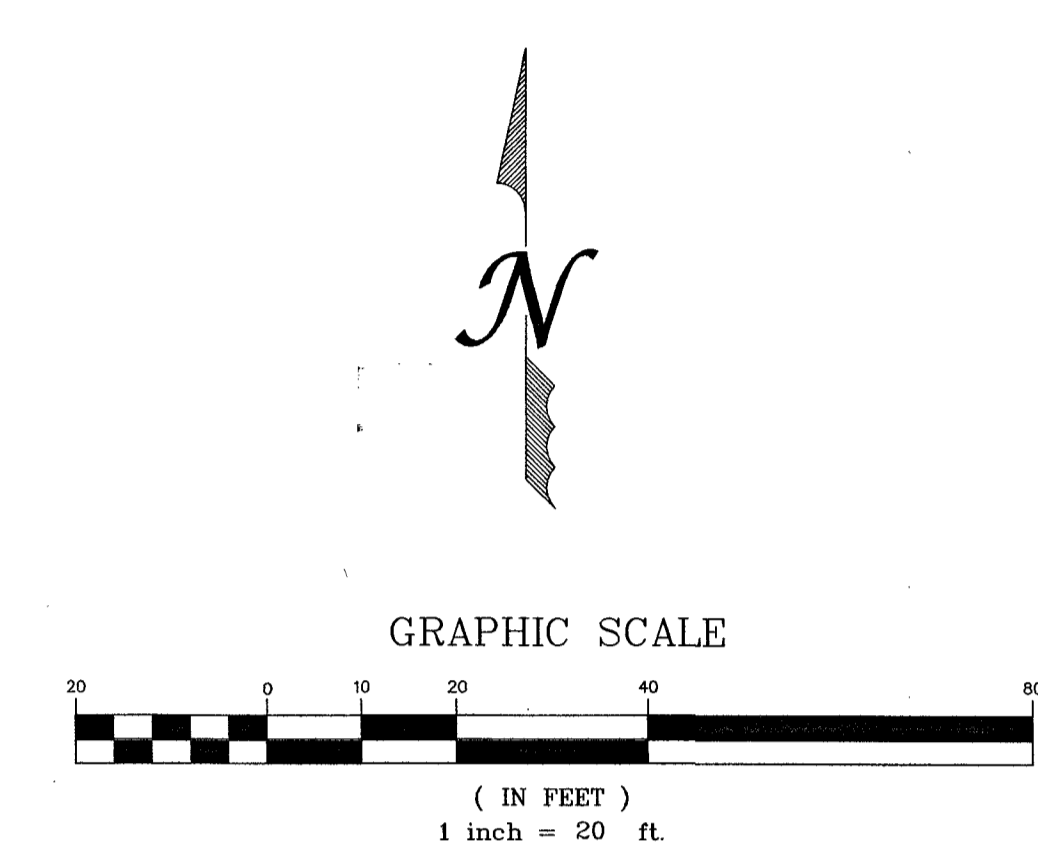
ADDITIONAL COMMENTS

**NOTES**

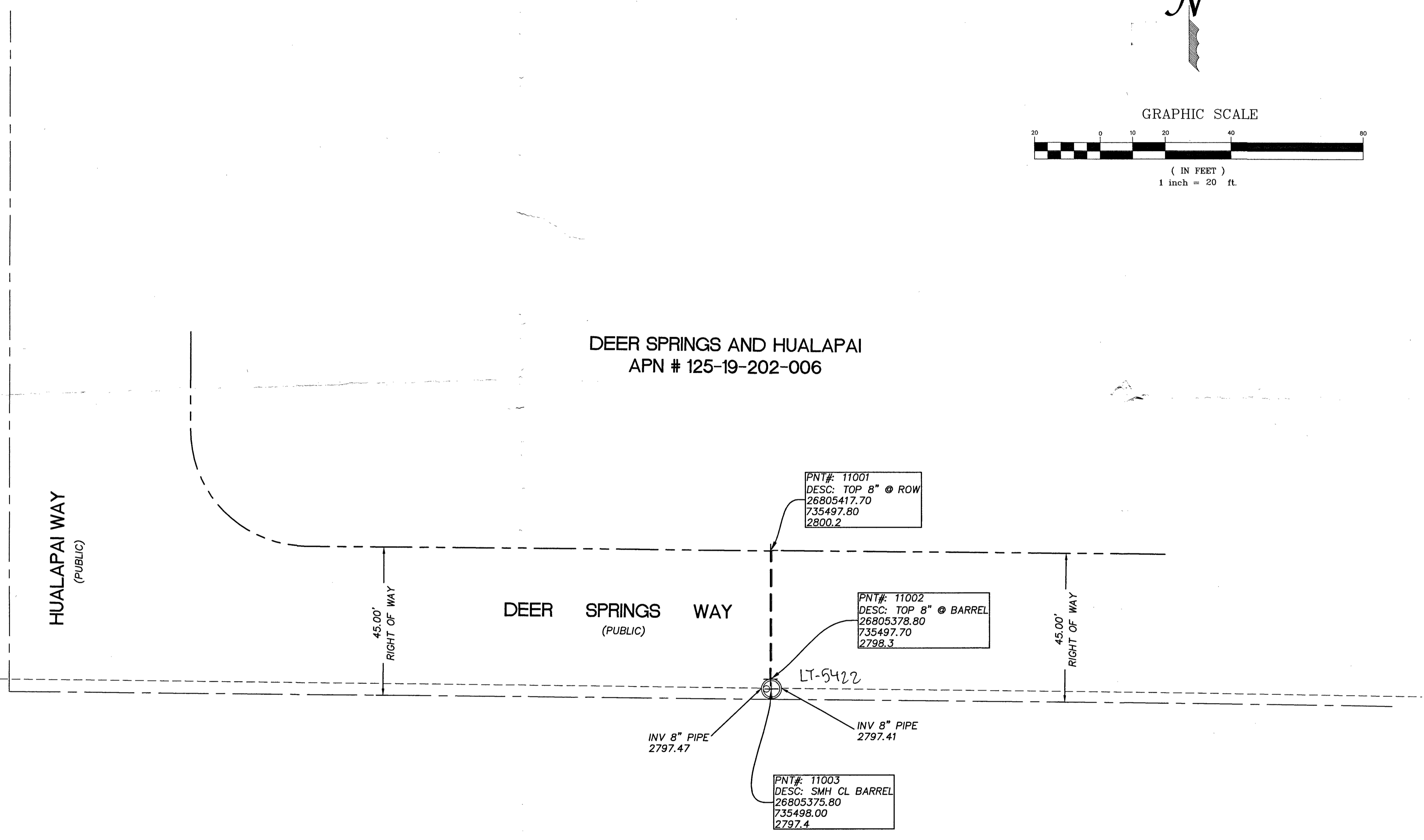
- 1: THE PURPOSE OF THIS SURVEY IS TO PROVIDE AS-BUILT INFORMATION FOR THE SANITARY SEWER FACILITIES LOCATED AT HUALAPAI WAY AND DEER SPRINGS WAY AT THE SOUTHEAST CORNER OF HUALAPAI WAY AND DEER SPRINGS WAY
- 2: THE FIELD SURVEY WAS COMPLETED ON DECEMBER 12, 2017.
- 3: PIPE LOCATIONS AND ELEVATIONS ARE TO TOP OF PIPE.
- 4: HORIZONTAL AND VERTICAL ACCURACY +/-0.3 FEET

**LEGEND**

- STREET CENTER LINE
- - - RIGHT OF WAY LINE
- PROJECT INSTALLED SEWER LINE
- - - EXISTING SEWER LINE
- ⊙ EXISTING SANITARY SEWER MANHOLE
- PNT# POINT NUMBER
- N: NORTHING
- E: EASTING
- EL: ELEVATION



DEER SPRINGS AND HUALAPAI  
APN # 125-19-202-006



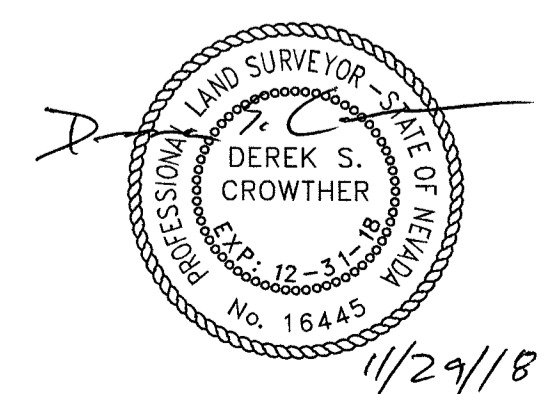
**BENCHMARK**

CITY OF LAS VEGAS BENCHMARK NO. 6LV9019S1W6  
RIVET & PLATE IN TOP OF CURB AT SOUTHEAST CORNER OF THE BRIDGE OVER CLARK COUNTY HIGHWAY 215 ON HUALAPAI.  
NORTH AMERICAN VERTICAL DATUM (NAVD) 88 DATUM  
ELEVATION = 853.317 METERS  
ELEVATION = 2799.59 U.S SURVEY FEET

**HORIZONTAL DATUM**

HORIZONTAL DATUM SHOWN HEREIN IS BASED UPON NORTH AMERICAN DATUM OF 1983 (NAD 83 (2011) EPOCH 2010.00 REALIZATION), NEVADA STATE PLANE COORDINATE SYSTEM EAST ZONE (2701).

CLV PROJECT: DEER SPRINGS AND HUALAPAI  
CLV PROJECT # 69418  
CLV PLAN # 107Y5060



107Y5060 H69418

SCALE (HP)	1" = 20'
SCALE (V)	N/A
DRAWN BY:	B. HARRISON
APN	125-19-202-006
SANITARY SEWER FINAL LOCATION MAP DEER SPRINGS AND HUALAPAI TETON BUILDERS	
CITY OF LAS VEGAS	CLARK COUNTY
NEVADA	

*Heritage Surveying*  
1895 VILLAGE CENTER CIRCLE  
LAS VEGAS, NEVADA 89134  
(702) 474-6277 (HS-MAPS)  
FAX (702) 255-6902  
HERITAGE-SURVEYING.COM

JOB NUMBER	363.0002.01
DWG	3630002SWRBLT
DATE	11/21/18
SHEET	1 OF 1