

**NOTES**

THE PURPOSE OF THIS SURVEY IS TO PROVIDE AS-BUILT INFORMATION FOR THE SANITARY SEWER FACILITIES LOCATED AT 7422 OSO BLANCA ROAD. THE SURVEY WAS COMPLETED ON APRIL 17, 2017. THE POSITION CERTAINTY OF THE AS-BUILT INFORMATION SHOWN IS WITHIN +/- 0.3' HORIZONTALLY AND VERTICALLY.

**LEGEND**

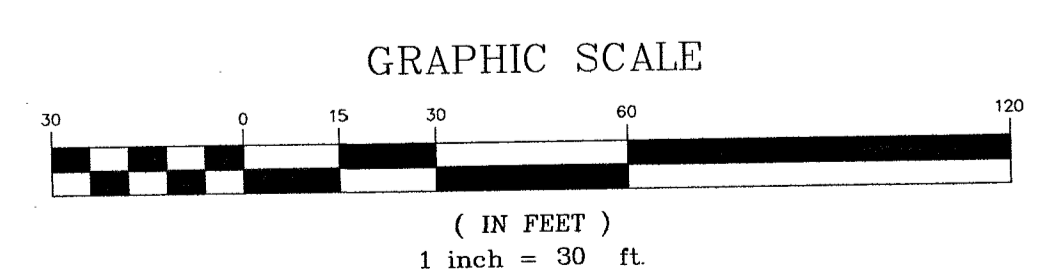
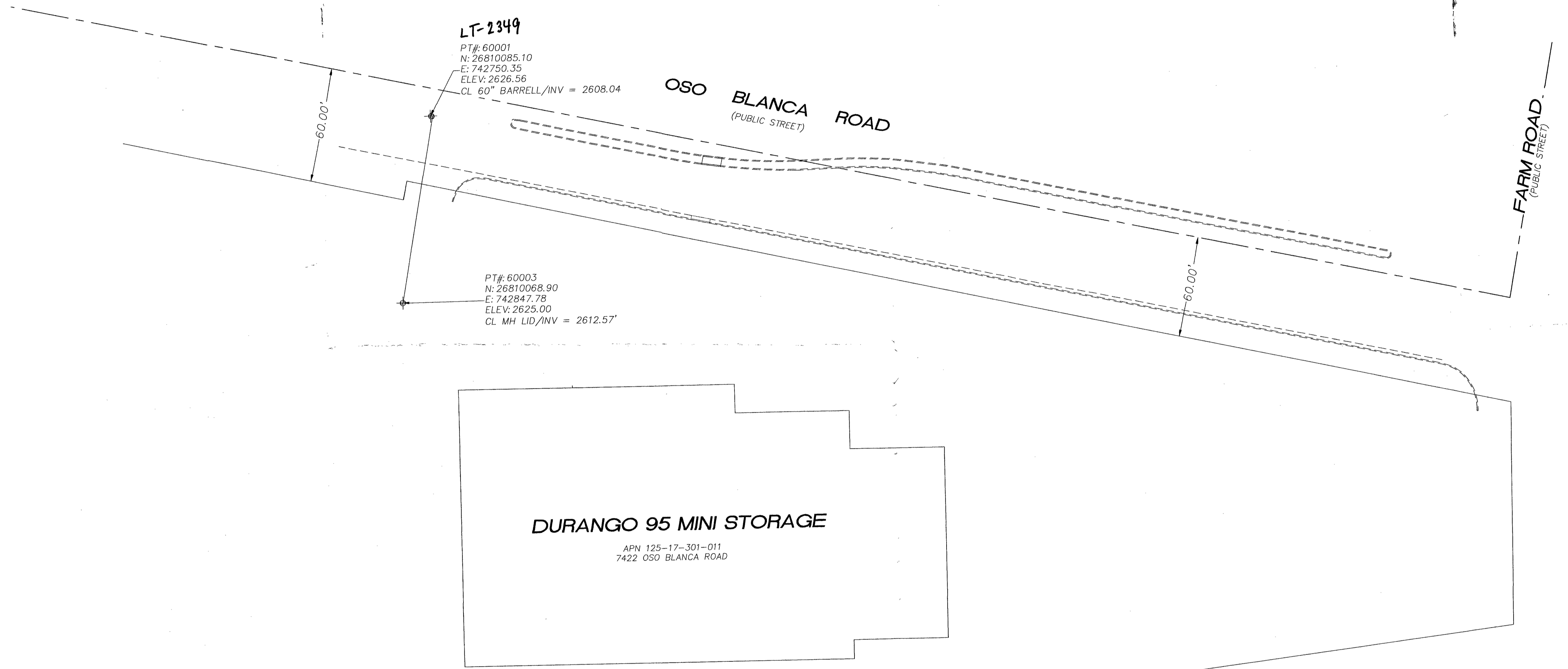
- STREET LINE
- RIGHT OF WAY LINE
- BACK OF CURB
- SEWER LINE
- BUILDING LINE
- ⊙ SANITARY SEWER MANHOLE

**BENCHMARK**

CITY OF LAS VEGAS  
BENCHMARK #5LV90 1756  
A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF OSO BLANCA ROAD AND DURANGO DRIVE.  
ELEVATION = 798.4331 METERS  
2619.53 FEET

**HORIZONTAL DATUM**

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



*Robert E. Harrison*  
  
 5/14/17

CLV PROJECT: STORAGE ONE AT 7422 OSO BLANCA  
CLV PLAN #107V6538  
CLV PROJECT # 57262

SCALE (H): 1" = 30'		SCALE (V): N/A		DRAWN BY: RJG		APN: 125-17-301-011	
SANITARY SEWER FINAL LOCATION MAP STORAGE ONE AT 7422 OSO BLANCA WESTAR CONSTRUCTION				CITY OF LAS VEGAS CLARK COUNTY NEVADA		NO. DESCRIPTION DATE DRAWN BY APPROVAL	
Heritage Surveying 1895 VILLAGE CENTER CIRCLE LAS VEGAS, NEVADA 89134 (702) 474-6277 (HS4-MAPS) FAX (702) 255-6902 HERITAGE-SURVEYING.COM							
CLV PROJECT: STORAGE ONE AT 7422 OSO BLANCA CLV PLAN #107V6538 CLV PROJECT # 57262							
JOB NUMBER 464.0001							
DWG: DATE: 4/17/2017							
SHEET 1 OF 1							

# 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: Robert E. Harrison, PLS  
Heritage Surveying

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

Date: May 15, 2017

Re: Sanitary Sewer Final Location Map  
STORAGE ONE AT 7422 OSO BLANCA  
(Drawing No. 107V6538, L-Civil No. 57262)

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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: May 15, 2017



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Signature

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City Surveyor  
Title

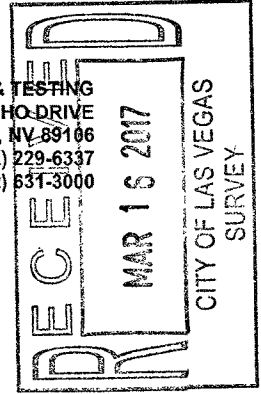
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Public Works/Survey  
Department/Division

ARR/OS:js

**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 Oso Blanca UNIT: 2 PHASE: 2  
PROJECT LOCATION: 7580 Oso Blanca Road Las Vegas NV  
CLV PLAN #: 1711/6538 CLV PROJECT # 57262 SHEET NO. (S): G1-C8  
# OF MANHOLES 1 PUB. SEWER/STORM DRAIN LIN. FT. 90 # OF PRIVATE LATERALS 1

DEVELOPER: Westar Properties PHONE: 702 658 9800 FAX: 702 366 4842  
SURVEY CO.: Heritage Survey PHONE: 702-501-7287 FAX: r.galloway@hs-4maps.com  
CONTRACTOR: Westar Construction PHONE: 702-355-4530 FAX: J.R.Roberts@Gma.com  
CONTRACTOR'S SUPERVISOR NAME: Jeff Roberts MOBILE: 702-355-4530  
DATE OF REQUEST: 3-15-2017

**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: 3/15/17 NOT ACCEPTABLE BY CITY SURVEYOR DATE \_\_\_\_\_

CLV SURVEYOR'S SIGNATURE: [Signature] DATE: 3/15/17

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

JOB NUMBER H57262 SS3  
PROJECT NAME STORAGE ONE AT 7422 OSO BLANCA  
WORK AUTH. NO. P28000  
SUBMITTED BY Heritage Surveying  
PROJECT TYPE CIP  Land Dev  Street Rehab   
DATE 5/15/17  
REVIEWED BY O. 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 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 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"/>	ALL MANHOLES NEED THE BARRELS LOCATED. ACCEPTING AS IS.
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 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Statement of positional accuracy per the tolerances indicated below	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

ADDITIONAL COMMENTS