

# 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: Ross J Doyle, PLS  
Tri-Core Surveying

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

Date: October 27, 2016

Re: Sanitary Sewer Final Location Map  
SEWER - CENTENNIAL AND TEEPEE / REGENA AVENUE OFFSITE SEWER  
(Drawing No. 307V1097, L-Civil No. 55630)

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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:

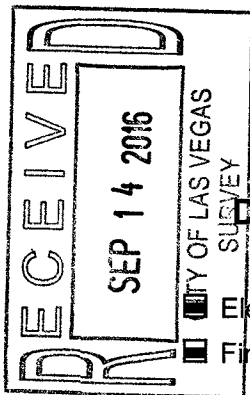
Acceptable: October 27, 2016

  
Signature

City Surveyor  
Title

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: Centennial and Tee Pee Regina Avenue Offsite Sewer Facilities UNIT:      PHASE:     

PROJECT LOCATION: Centennial Parkway & Tee Pee Lane in Las Vegas, NV

CLV PLAN #:      CLV PROJECT # 55630 SHEET NO. (S): 5,6 of 6

# OF MANHOLES 5 PUB. SEWER/STORM DRAIN LIN. FT.      # OF PRIVATE LATERALS     

DEVELOPER: Lennar Homes PHONE: 702-736-9100 FAX: 702-453-0801

SURVEY CO.: Tri-Core Surveying PHONE: 702-821-1554 FAX: 702-870-4378

CONTRACTOR: Pacific Pipeline PHONE: 702-750-0533 FAX:     

CONTRACTOR'S SUPERVISOR NAME: Luis Franco MOBILE: 702-339-0715

DATE OF REQUEST: September 9, 2016

**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: 10/27/16 NOT ACCEPTABLE BY CITY SURVEYOR DATE: 9/29/16

CLV SURVEYOR'S SIGNATURE: *[Signature]* DATE: 10/27/16

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 H55630 SS2  
PROJECT NAME CENTENNIAL AND TEEPEE / REGINA AVENUE OFFSITE SEWER  
WORK AUTH. NO. P28000  
SUBMITTED BY Tri-Core Surveying  
PROJECT TYPE CIP ☐ Land Dev ☐ Street Rehab ☐  
DATE 10/26/16  
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<br>R/L                          | N/A                                 | COMMENTS |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|----------|
| <b>Sanitary Sewer Improvements Data</b>                                                                                                                                                                                                                                                                                                                                |                                     |                                     |                                     |          |
| <b>*NOTE</b><br>As of December 1, 2015 <b>manhole cover locations</b> are no longer required.                                                                                                                                                                                                                                                                          |                                     |                                     |                                     |          |
| 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 checked="" type="checkbox"/> | <input type="checkbox"/>            |          |
| <b>*NOTE</b><br>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 checked="" 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 checked="" 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><br>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 |
|---------------------|
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- 500

- APM

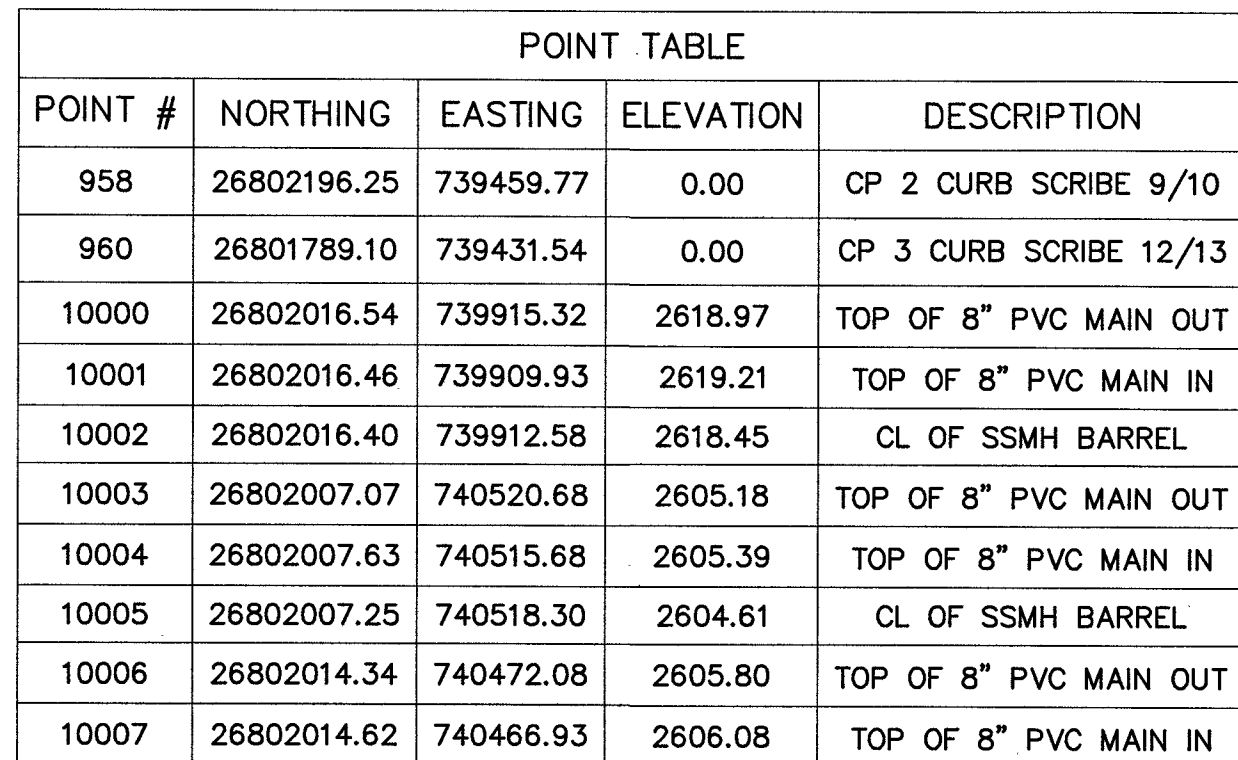
HORIZONTAL DATUM SHOWN HEREON IS BASED UPON NORTH AMERICAN DATUM OF 1983 (NAD 83 (2011) EPOCH 2010.00 REALIZATION), NEVADA STATE PLANE COORDINATE SYSTEM EAST ZONE (2701).

## CITY OF LAS VEGAS BENCHMARK: 6LV99 24SES

ELEVATION: 2772.06 (U.S. SURVEY FEET)  
844.924 (METERS)

### NOTE

THE POSITIONAL CERTAINTY OF THE AS-BUILT INFORMATION SHOWN HEREON IS WITHIN  $\pm 0.3'$  HORIZONTALLY AND VERTICALLY.

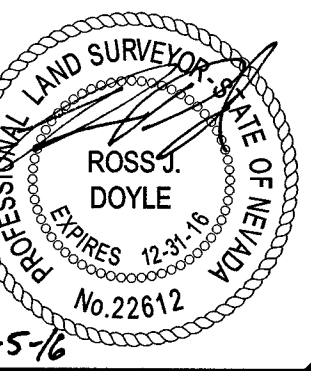


| POINT TABLE |             |           |           |                        |
|-------------|-------------|-----------|-----------|------------------------|
| POINT #     | NORTHING    | EASTING   | ELEVATION | DESCRIPTION            |
| 10008       | 26802014.67 | 740469.50 | 2605.37   | CL OF SSMH BARREL      |
| 10009       | 26802014.82 | 740254.95 | 2611.00   | TOP OF 8" PVC MAIN IN  |
| 10010       | 26802014.80 | 740260.18 | 2610.63   | TOP OF 8" PVC MAIN OUT |
| 10011       | 26802014.76 | 740257.54 | 2610.24   | CL OF SSMH BARREL      |
| 23002       | 26802016.28 | 739597.21 | 2621.94   | SSMH CL BARREL         |
| 23003       | 26802016.53 | 739594.57 | 2622.69   | TOP 8" PVC MAIN IN     |
| 23004       | 26802016.28 | 739599.89 | 2622.58   | TOP 8" PVC MAIN OUT    |
| 52002       | 26802006.39 | 740609.61 | 2603.16   | INV 8" PVC MAIN IN     |
| 52003       | 26802004.96 | 740610.80 | 2603.06   | INV 8" PVC MAIN OUT    |
| 52004       | 26802006.42 | 740610.85 | 2604.12   | SSMH CL BARREL         |

CLV PROJECT H# 55630  
CLV DRAWING #307V1097  
CLV HTE #14-33533  
NFM-0089-15

CENTENNIAL AND TEE PEE -- REGINA OFFSITE SEWER

SANITARY SEWER FINAL LOCATION MAP



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