

# 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: Raymond Jemison, PLS  
Jemison Surveying and Services

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

Date: September 6, 2016

Re: Sanitary Sewer Final Location Map  
VILLAGE 23A/24 SKY VISTA (STONEBRIDGE)  
(Drawing No. 107V6423, L-Civil No. 57159)

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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:

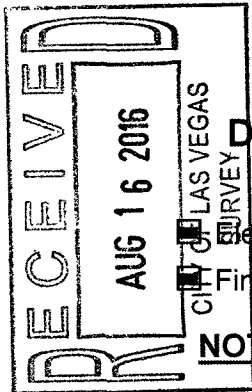
Acceptable: September 6, 2016

  
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: Village 23A/24 Sky Vista Improvement Plans UNIT:      PHASE:     

PROJECT LOCATION: Sky Vista from Desert Moon to Alta Drive, Including Sun Creek Road

CLV PLAN #: 107V6423 CLV PROJECT # 57159 SHEET NO. (S): 33, 35

# OF MANHOLES 4 PUB. SEWER/STORM DRAIN LIN. FT. 587 # OF PRIVATE LATERALS 3

DEVELOPER: Howard Hughes Corporation PHONE:      FAX: 702-291-4450

SURVEY CO.: JS&S PHONE: 702-360-4838 FAX: 702-360-4839

CONTRACTOR: Contri Construction Company PHONE: 702-458-6004 FAX: 702-458-7746

CONTRACTOR'S SUPERVISOR NAME: Tommy Caviglia MOBILE: 702-289-3375

DATE OF REQUEST: 8/15/16

**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: 9/16/16 NOT ACCEPTABLE BY CITY SURVEYOR DATE     

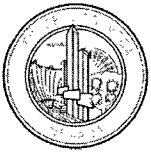
CLV SURVEYOR'S SIGNATURE: *Alan R. Riddle* DATE: 9/16/16

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 H57159 SS1  
PROJECT NAME VILLAGE 23A/24 SKY VISTA (STONEBRIDGE)  
WORK AUTH. NO. P28000  
SUBMITTED BY Jemison Surveying  
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐  
DATE 8/30/16  
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 type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Electronic media containing comma-separated coordinate file        | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| <b>General Map Contents</b>                                        |                                     |                          |                          |          |
| Sheet size 24" x 36"                                               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Sheet number and number of sheets                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| North arrow (pointing up, left or right)                           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Scale (written & graphic, correctly shown, appropriate scale used) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Lettering legibility (minimum text size 0.08")                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Map title shown ("Sanitary Sewer Final Location Map")              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| CLV project name shown                                             | <input checked="" 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Legend (all linetypes and symbols defined)                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Non-standard abbreviations defined                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Distances, coordinates and elevations labeled using decimal feet   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Approximate limits of streets shown (improvements or right-of-way) | <input checked="" 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"/> |          |

## 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 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"/> |          |

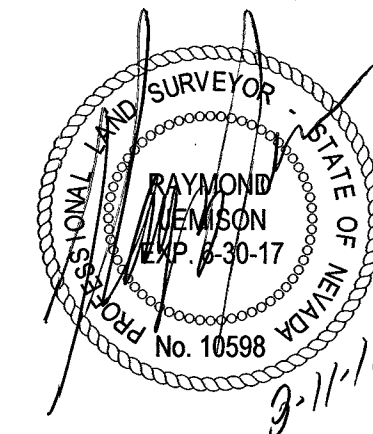
| ADDITIONAL COMMENTS |
|---------------------|
|                     |
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|                     |
|                     |
|                     |

**SURVEYOR'S CERTIFICATE**

I, RAYMOND C. JEMISON, A PROFESSIONAL LAND SURVEYOR  
REGISTERED IN THE STATE OF NEVADA, CERTIFY THAT,

1. THE POSITIONAL CERTAINTIES OF THE AS-BUILT DATA SHOWN  
ARE WITHIN  $\pm 0.10$  (M) OR  $\pm 0.3$  (USFT) HORIZONTALLY AND VERTICALLY.
2. THIS AS-BUILT SURVEY WAS COMPLETED UNDER MY DIRECT  
SUPERVISION ON JULY 11, 2016.

RAYMOND C. JEMISON  
NEVADA P.L.S. 10598



**BASIS OF BEARING:**

GRID NORTH AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF  
1983 (NCS83), EAST ZONE (2701), DETERMINED BY CLARK COUNTY  
GIS CONTROL UTILIZING THE TRIMBLE VRS NETWORK.

**BENCHMARK:**

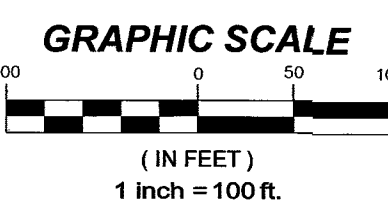
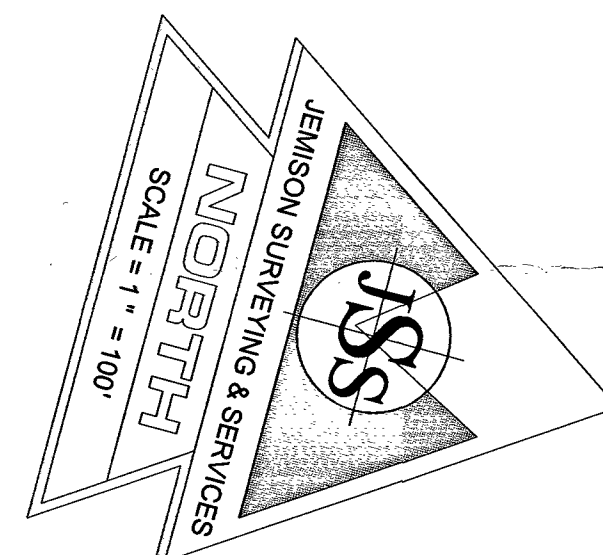
CLV BM# D368  
U.S.C. & G.S. DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON  
BOULEVARD & WEST OF DETENTION BASIN.  
NAVD 88 DATUM - 3246.63 (FT) 989.574 (M)  
ADJUSTMENT - 2008 CLV

**NOTES:**

1. ELECTRONIC FILE TITLED "SKYVISTA (SEWER).CSV" DIRECTLY  
REFLECTS THE POINTS SHOWN ON THIS MAP. LOCATIONS PROVIDED  
ARE NORTH AMERICAN DATUM 1983 (NAD83), NEVADA STATE PLANE  
COORDINATE SYSTEM, 2701 EAST ZONE, NATIONAL ADJUSTMENT OF  
2011, EPOCH 2010.0.

**LEGEND**

- PREVIOUSLY EXISTING SANITARY SEWER
- NEW SANITARY SEWER LINE
- CL-BAR
- TOP-SS
- INDICATES SIZE OF SANITARY SEWER BARREL



CROSS BRIDGE DRIVE  
(PUBLIC)

SUNCREEK ROAD  
(PUBLIC)

SKY VISTA DRIVE  
(PUBLIC)

ALTA DRIVE  
(PUBLIC)

SKY VISTA DRIVE  
(PUBLIC)

VILLAGE 23A/24  
SKY VISTA  
IMPROVEMENT PLANS  
H# 57159  
CLV# 107V6423

**JEMISON SURVEYING & SERVICES**  
2680 CRIMSON CANYON DRIVE  
LAS VEGAS, NEVADA 89128  
702-360-4839 f. 702-360-4839

**VILLAGE 23A/24**  
**SKY VISTA IMPROVEMENTS**  
**FLM - SANITARY SEWER**

JOB TITLE

DATE  
08-10-2016

JOB NO.

SHEET 1 OF 1