

**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: Summerlin Village 24 - Parcel C UNIT: 2 PHASE: \_\_\_\_\_  
PROJECT LOCATION: Suncreek Drive and Sky Vista Drive in Las Vegas, NV  
CLV PLAN #: 107Y5062-2 CLV PROJECT # L18-00350 SHEET NO. (S): 14-19 of 23  
# OF MANHOLES 14 PUB. SEWER/STORM DRAIN LIN. FT. \_\_\_\_\_ # OF PRIVATE LATERALS \_\_\_\_\_

DEVELOPER: Greystone Nevada LLC PHONE: 702-736-9100 FAX: 702-736-9200  
SURVEY CO.: Tri-Core Surveying PHONE: 702-821-1554 FAX: 702-870-4378  
CONTRACTOR: Bravo Underground PHONE: 702-314-4100 FAX: \_\_\_\_\_  
CONTRACTOR'S SUPERVISOR NAME: Dean Chamcos MOBILE: 702-296-3501  
DATE OF REQUEST: September 13, 2018

**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: 10/15/18 NOT ACCEPTABLE BY CITY SURVEYOR DATE \_\_\_\_\_

CLV SURVEYOR'S SIGNATURE: Randy W. M... For DATE: 10/16/18

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 L18-00350 SS1  
PROJECT NAME Summerlin Village 24 Parcel C Unit 2  
WORK AUTH. NO. P28000  
SUBMITTED BY TRI-CORE (ROSS J. DOYLE)  
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐  
DATE 10/15/18  
REVIEWED BY O. S. [Signature]

**REVIEW DETERMINATION**

- ☒ Approved  
☐ Not Acceptable

**TO BE RE-SUBMITTED**

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

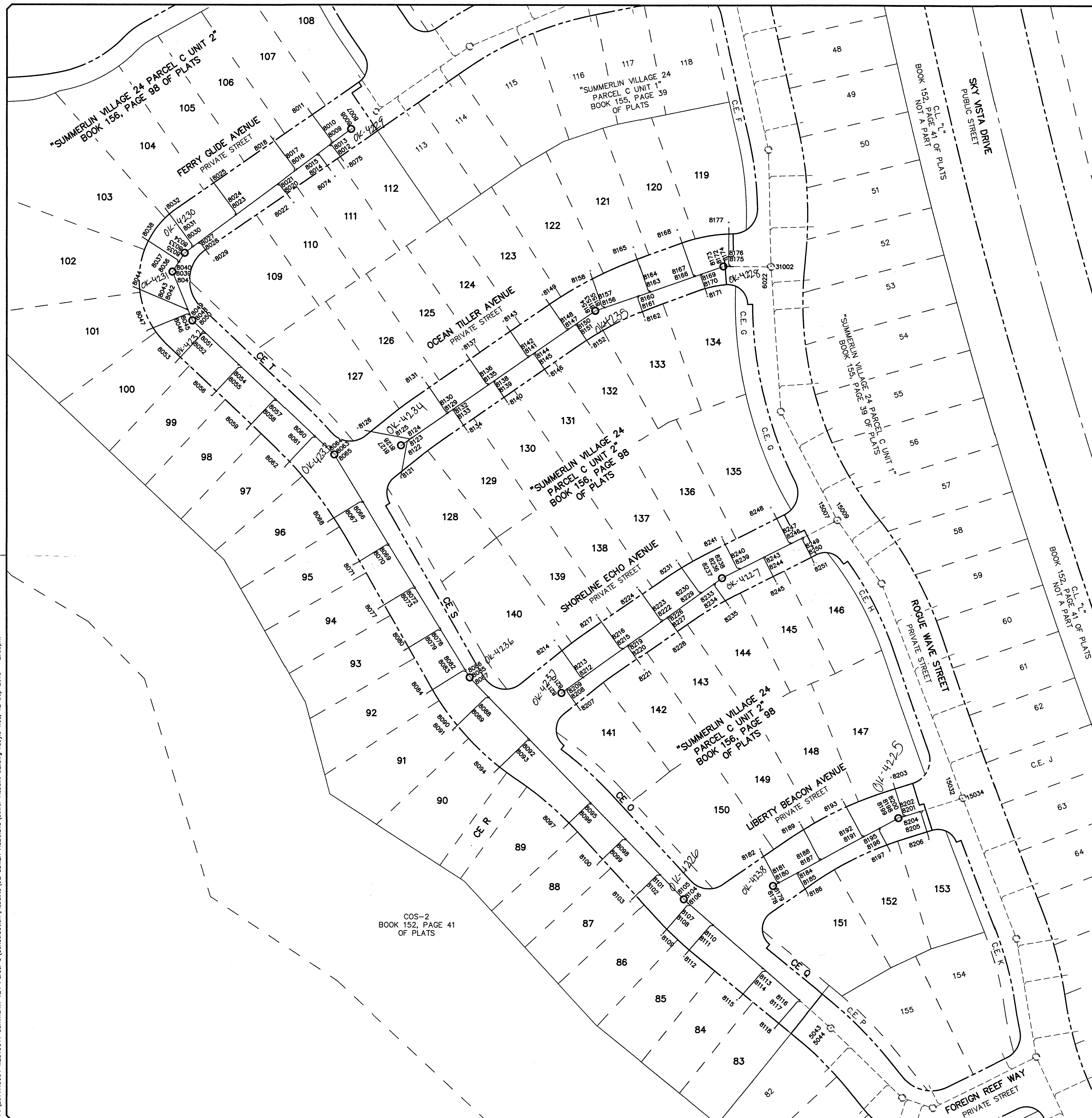
| REVIEW ITEM                                                        | OK                                  | SEE R/L                  | N/A                      | COMMENTS |
|--------------------------------------------------------------------|-------------------------------------|--------------------------|--------------------------|----------|
| <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 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 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><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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |          |

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





### LEGEND

- LOT LINE / ASSESSOR'S PARCEL LINE  
 - - - - - RIGHT-OF-WAY LINE  
 = = = MATCHLINE  
 ——— DESIGN SEWER LINE  
 - - - - - EXISTING SEWER LINE  
 ○ SEWER MANHOLE  
 ⊙ EXISTING SEWER MANHOLE  
 5100 AS-BUILT POINT NUMBER

## 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).

## BENCHMARK

CITY OF LAS VEGAS BENCHMARK: 7LV09 34SW6

RIVET AND ROUND PLATE IN THE TOP OF CURB AT THE SOUTHEAST CORNER OF DESERT MOON RD.  
AND SKY VISTA DRIVE.

ELEVATION: 3318.31 (U.S. SURVEY FEET)  
1011.422 (METERS)

BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88), CITY OF LAS VEGAS 2008  
ADJUSTMENT

## NOTES

1. THE PURPOSE OF THIS SURVEY IS TO PROVIDE AS-BUILT INFORMATION FOR THE SANITARY SEWER FACILITIES IN THE IMPROVEMENT PLANS FOR "SUMMERLIN VILLAGE 24 PARCEL C UNIT 2", SITUATE IN SECTIONS 33 AND 34, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AND THE SURVEY WAS COMPLETED ON SEPTEMBER 12, 2018.
2. THE POSITIONAL CERTAINTY OF THE AS-BUILT INFORMATION SHOWN HEREON IS WITHIN +/- 0.3' HORIZONTALLY AND VERTICALLY.
3. TRI-CORE SURVEYING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FOR THE CONVENIENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY TRI-CORE SURVEYING IN WRITING IMMEDIATELY.
4. SEE SHEET 2 OF 2 FOR STATE PLANE COORDINATE TABLE

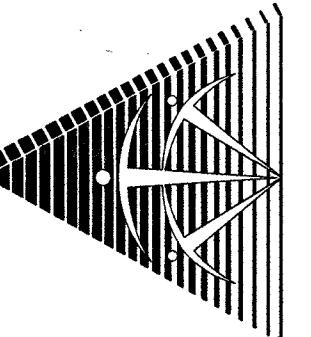
CLV PROJECT # L18-00350  
CLV DRAWING #107Y5062-2  
FMP-72920

[illegible]

**TRI-CORE**  
**SURVEYING, LLC**

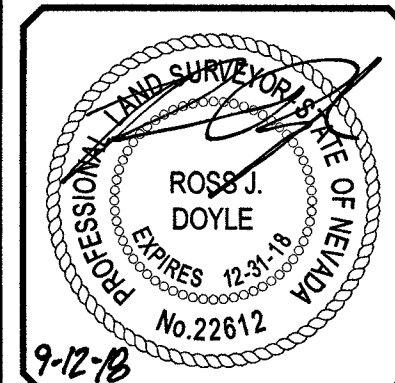
LAND SURVEYING • CONSTRUCTION STAKING  
MAPPING & LAND DEVELOPMENT SERVICES  
BOUNDARY & TOPOGRAPHIC SURVEYS

6761 WEST CHARLESTON BLVD.  
LAS VEGAS, NEVADA 89146  
TEL (702) 821-1554 FAX (702) 870-4378



GREYSTONE NEVADA LLC  
SUMMERLIN VILLAGE 24 PARCEL C UNIT 2

# SANITARY SEWER FINAL LOCATION MAP



SHEET

DE 2



| POINT TABLE |             |           |           |                     |
|-------------|-------------|-----------|-----------|---------------------|
| POINT #     | NORTHING    | EASTING   | ELEVATION | DESCRIPTION         |
| 5043        | 26761056.06 | 719760.71 | 3353.36   | TOP 8" PVC MAIN IN  |
| 5044        | 26761054.29 | 719762.78 | 3352.53   | SSMH CL BARREL      |
| 6022        | 26761671.32 | 719709.82 | 3373.05   | TOP 8" PVC MAIN IN  |
| 8007        | 26761781.69 | 719371.63 | 3406.74   | SSMH CL BARREL      |
| 8008        | 26761780.71 | 719370.22 | 3406.58   | INV 8" PVC MAIN OUT |
| 8009        | 26761770.28 | 719356.09 | 3406.87   | TOP 8" PVC MAIN     |
| 8010        | 26761771.39 | 719356.37 | 3406.86   | TOP 4" PVC LATERAL  |
| 8011        | 26761798.01 | 719336.16 | 3408.80   | TOP 4" PVC LATERAL  |
| 8012        | 26761768.67 | 719355.06 | 3406.84   | TOP 4" PVC LATERAL  |
| 8013        | 26761768.87 | 719353.97 | 3406.72   | TOP 8" PVC MAIN     |
| 8014        | 26761760.93 | 719345.09 | 3406.57   | TOP 4" PVC LATERAL  |
| 8015        | 26761760.97 | 719344.09 | 3406.42   | TOP 8" PVC MAIN     |
| 8016        | 26761748.23 | 719326.41 | 3405.80   | TOP 8" PVC MAIN     |
| 8017        | 26761749.12 | 719326.59 | 3405.88   | TOP 4" PVC LATERAL  |
| 8018        | 26761774.05 | 719308.15 | 3408.00   | TOP 4" PVC LATERAL  |
| 8020        | 26761737.19 | 719312.84 | 3405.45   | TOP 4" PVC LATERAL  |
| 8021        | 26761737.47 | 719312.03 | 3405.35   | TOP 8" PVC MAIN     |
| 8022        | 26761721.98 | 719324.45 | 3409.56   | TOP 4" PVC LATERAL  |
| 8023        | 26761711.86 | 719277.38 | 3404.12   | TOP 8" PVC MAIN     |
| 8024        | 26761712.88 | 719277.70 | 3404.21   | TOP 4" PVC LATERAL  |
| 8025        | 26761740.27 | 719257.73 | 3408.31   | TOP 4" PVC LATERAL  |
| 8027        | 26761689.40 | 719247.54 | 3403.00   | TOP 8" PVC MAIN     |
| 8028        | 26761689.47 | 719248.42 | 3403.23   | TOP 4" PVC LATERAL  |
| 8029        | 26761674.78 | 719259.81 | 3409.67   | TOP 4" PVC LATERAL  |
| 8030        | 26761686.13 | 719242.83 | 3402.88   | TOP 8" PVC MAIN     |
| 8031        | 26761686.94 | 719243.20 | 3403.08   | TOP 4" PVC LATERAL  |
| 8032        | 26761717.08 | 719220.34 | 3409.34   | TOP 4" PVC LATERAL  |
| 8033        | 26761681.27 | 719236.40 | 3401.96   | SSMH CL BARREL      |
| 8034        | 26761682.26 | 719237.59 | 3402.04   | INV 8" PVC MAIN IN  |
| 8035        | 26761679.91 | 719235.15 | 3401.90   | INV 8" PVC MAIN OUT |
| 8036        | 26761673.66 | 719231.87 | 3402.40   | TOP 8" PVC MAIN     |
| 8037        | 26761674.76 | 719231.55 | 3402.59   | TOP 4" PVC LATERAL  |
| 8038        | 26761693.79 | 719201.89 | 3407.78   | TOP 4" PVC LATERAL  |
| 8039        | 26761665.73 | 719226.01 | 3402.34   | SSMH CL BARREL      |
| 8040        | 26761667.00 | 719227.38 | 3401.35   | INV 8" PVC MAIN IN  |
| 8041        | 26761664.14 | 719226.94 | 3401.22   | INV 8" PVC MAIN OUT |
| 8042        | 26761634.96 | 719238.56 | 3400.93   | TOP 8" PVC MAIN     |
| 8043        | 26761635.74 | 719237.76 | 3401.20   | TOP 4" PVC LATERAL  |
| 8044        | 26761653.45 | 719194.37 | 3407.24   | TOP 4" PVC LATERAL  |
| 8045        | 26761631.17 | 719240.23 | 3400.77   | TOP 8" PVC MAIN     |
| 8046        | 26761631.63 | 719239.43 | 3400.85   | TOP 4" PVC LATERAL  |
| 8047        | 26761618.01 | 719205.32 | 3405.82   | TOP 4" PVC LATERAL  |
| 8048        | 26761626.29 | 719242.47 | 3399.86   | SSMH CL BARREL      |
| 8049        | 26761627.72 | 719241.87 | 3399.96   | INV 8" PVC MAIN IN  |
| 8050        | 26761625.12 | 719243.49 | 3399.76   | INV 8" PVC MAIN OUT |
| 8051        | 26761616.69 | 719252.62 | 3399.66   | TOP 8" PVC MAIN     |
| 8052        | 26761616.82 | 719251.57 | 3399.91   | TOP 4" PVC LATERAL  |
| 8053        | 26761592.42 | 719228.62 | 3403.23   | TOP 4" PVC LATERAL  |
| 8054        | 26761590.75 | 719280.40 | 3397.37   | TOP 8" PVC MAIN     |
| 8055        | 26761590.82 | 719279.50 | 3397.51   | TOP 4" PVC LATERAL  |
| 8056        | 26761565.79 | 719257.74 | 3401.27   | TOP 4" PVC LATERAL  |
| 8057        | 26761562.86 | 719310.21 | 3394.92   | TOP 8" PVC MAIN     |
| 8058        | 26761562.89 | 719309.13 | 3395.06   | TOP 4" PVC LATERAL  |
| 8059        | 26761538.48 | 719286.58 | 3399.10   | TOP 4" PVC LATERAL  |
| 8060        | 26761533.24 | 719341.94 | 3392.27   | TOP 8" PVC MAIN     |
| 8061        | 26761533.13 | 719340.96 | 3392.42   | TOP 4" PVC LATERAL  |
| 8062        | 26761508.16 | 719317.49 | 3396.03   | TOP 4" PVC LATERAL  |
| 8063        | 26761518.29 | 719358.11 | 3390.25   | SSMH CL BARREL      |
| 8064        | 26761519.18 | 719356.75 | 3390.31   | INV 8" PVC MAIN IN  |
| 8065        | 26761516.64 | 719358.87 | 3390.11   | INV 8" PVC MAIN OUT |

| POINT TABLE |             |           |           |                     |
|-------------|-------------|-----------|-----------|---------------------|
| POINT #     | NORTHING    | EASTING   | ELEVATION | DESCRIPTION         |
| 8066        | 26761480.00 | 719381.32 | 3388.19   | TOP 8" PVC MAIN     |
| 8067        | 26761480.17 | 719380.33 | 3388.30   | TOP 4" PVC LATERAL  |
| 8068        | 26761463.56 | 719352.56 | 3392.86   | TOP 4" PVC LATERAL  |
| 8069        | 26761445.72 | 719402.22 | 3385.72   | TOP 8" PVC MAIN     |
| 8070        | 26761446.03 | 719401.21 | 3385.83   | TOP 4" PVC LATERAL  |
| 8071        | 26761429.06 | 719373.22 | 3390.30   | TOP 4" PVC LATERAL  |
| 8072        | 26761410.87 | 719423.70 | 3383.25   | TOP 8" PVC MAIN     |
| 8073        | 26761411.25 | 719422.65 | 3383.42   | TOP 4" PVC LATERAL  |
| 8074        | 26761743.21 | 719358.00 | 3409.84   | TOP 4" PVC LATERAL  |
| 8075        | 26761751.04 | 719368.56 | 3409.27   | TOP 4" PVC LATERAL  |
| 8077        | 26761392.98 | 719393.81 | 3388.21   | TOP 4" PVC LATERAL  |
| 8078        | 26761377.04 | 719444.44 | 3380.86   | TOP 8" PVC MAIN     |
| 8079        | 26761377.37 | 719443.55 | 3380.96   | TOP 4" PVC LATERAL  |
| 8080        | 26761359.93 | 719416.08 | 3384.66   | TOP 4" PVC LATERAL  |
| 8082        | 26761343.52 | 719464.96 | 3378.43   | TOP 8" PVC MAIN     |
| 8083        | 26761343.93 | 719463.89 | 3378.66   | TOP 4" PVC LATERAL  |
| 8084        | 26761324.54 | 719433.27 | 3383.55   | TOP 4" PVC LATERAL  |
| 8085        | 26761338.09 | 719468.12 | 3377.32   | SSMH CL BARREL      |
| 8086        | 26761339.47 | 719467.44 | 3377.41   | INV 8" PVC MAIN IN  |
| 8087        | 26761336.79 | 719469.21 | 3377.20   | INV 8" PVC MAIN OUT |
| 8088        | 26761321.50 | 719484.09 | 3376.60   | TOP 8" PVC MAIN     |
| 8089        | 26761321.42 | 719483.06 | 3376.65   | TOP 4" PVC LATERAL  |
| 8090        | 26761296.44 | 719456.13 | 3381.16   | TOP 4" PVC LATERAL  |
| 8091        | 26761294.69 | 719454.50 | 3383.43   | TOP 4" PVC LATERAL  |
| 8092        | 26761287.63 | 719516.63 | 3373.74   | TOP 8" PVC MAIN     |
| 8093        | 26761287.72 | 719515.52 | 3373.97   | TOP 4" PVC LATERAL  |
| 8094        | 26761260.71 | 719488.29 | 3379.74   | TOP 4" PVC LATERAL  |
| 8095        | 26761235.96 | 719566.65 | 3369.29   | TOP 8" PVC MAIN     |
| 8096        | 26761236.13 | 719566.02 | 3369.48   | TOP 4" PVC LATERAL  |
| 8097        | 26761215.49 | 719544.64 | 3374.82   | TOP 4" PVC LATERAL  |
| 8098        | 26761206.89 | 719595.22 | 3366.82   | TOP 8" PVC MAIN     |
| 8099        | 26761206.87 | 719594.50 | 3367.02   | TOP 4" PVC LATERAL  |
| 8100        | 26761185.93 | 719572.12 | 3372.47   | TOP 4" PVC LATERAL  |
| 8101        | 26761177.84 | 719623.31 | 3364.39   | TOP 8" PVC MAIN     |
| 8102        | 26761177.96 | 719622.66 | 3364.62   | TOP 4" PVC LATERAL  |
| 8103        | 26761156.05 | 719598.92 | 3370.91   | TOP 4" PVC LATERAL  |
| 8104        | 26761158.34 | 719642.52 | 3362.09   | SSMH CL BARREL      |
| 8105        | 26761159.60 | 719641.36 | 3362.16   | INV 8" PVC MAIN IN  |
| 8106        | 26761157.48 | 719643.75 | 3362.03   | INV 8" PVC MAIN OUT |
| 8107        | 26761154.85 | 719646.45 | 3362.43   | TOP 8" PVC MAIN     |
| 8108        | 26761154.83 | 719645.64 | 3362.53   | TOP 4" PVC LATERAL  |
| 8109        | 26761129.09 | 719624.04 | 3368.61   | TOP 4" PVC LATERAL  |
| 8110        | 26761137.54 | 719666.40 | 3360.87   | TOP 8" PVC MAIN     |
| 8111        | 26761137.34 | 719665.65 | 3360.82   | TOP 4" PVC LATERAL  |
| 8112        | 26761111.93 | 719642.51 | 3367.22   | TOP 4" PVC LATERAL  |
| 8113        | 26761102.20 | 719707.04 | 3357.66   | TOP 8" PVC MAIN     |
| 8114        | 26761102.30 | 719706.12 | 3357.73   | TOP 4" PVC LATERAL  |
| 8115        | 26761076.71 | 719685.59 | 3363.83   | TOP 4" PVC LATERAL  |
| 8116        | 26761076.82 | 719736.66 | 3355.32   | TOP 8" PVC MAIN     |
| 8117        | 26761076.77 | 719736.06 | 3355.45   | TOP 4" PVC LATERAL  |
| 8118        | 26761053.73 | 719716.22 | 3363.91   | TOP 4" PVC LATERAL  |
| 8121        | 26761499.34 | 719412.44 | 3393.06   | TOP 4" PVC LATERAL  |
| 8122        | 26761529.01 | 719418.41 | 3388.13   | TOP 4" PVC LATERAL  |
| 8123        | 26761529.95 | 719418.53 | 3387.89   | TOP 4" PVC LATERAL  |
| 8124        | 26761531.80 | 719421.34 | 3387.66   | TOP 8" PVC MAIN     |
| 8125        | 26761531.94 | 719420.48 | 3387.94   | TOP 4" PVC LATERAL  |
| 8126        | 26761539.45 | 719376.67 | 3392.84   | TOP 4" PVC LATERAL  |
| 8127        | 26761525.63 | 719412.41 | 3387.74   | SSMH CL BARREL      |
| 8128        | 26761526.55 | 719413.78 | 3387.58   | INV 8" PVC MAIN OUT |
| 8129        | 26761551.60 | 719449.80 | 3385.61   | TOP 8" PVC MAIN     |

| POINT TABLE |             |           |           |                     |
|-------------|-------------|-----------|-----------|---------------------|
| POINT #     | NORTHING    | EASTING   | ELEVATION | DESCRIPTION         |
| 8130        | 26761551.69 | 719448.87 | 3385.63   | TOP 4" PVC LATERAL  |
| 8131        | 26761580.38 | 719429.23 | 3389.10   | TOP 4" PVC LATERAL  |
| 8132        | 26761554.85 | 719454.58 | 3385.26   | TOP 8" PVC MAIN     |
| 8133        | 26761553.80 | 719454.28 | 3385.41   | TOP 4" PVC LATERAL  |
| 8134        | 26761536.43 | 719466.77 | 3389.02   | TOP 4" PVC LATERAL  |
| 8135        | 26761574.71 | 719483.29 | 3383.21   | TOP 8" PVC MAIN     |
| 8136        | 26761574.89 | 719482.47 | 3383.28   | TOP 4" PVC LATERAL  |
| 8137        | 26761603.33 | 719462.03 | 3387.85   | TOP 4" PVC LATERAL  |
| 8138        | 26761577.75 | 719487.75 | 3382.92   | TOP 8" PVC MAIN     |
| 8139        | 26761576.72 | 719487.52 | 3383.03   | TOP 4" PVC LATERAL  |
| 8140        | 26761559.16 | 719499.72 | 3386.63   | TOP 4" PVC LATERAL  |
| 8141        | 26761596.99 | 719515.74 | 3380.83   | TOP 8" PVC MAIN     |
| 8142        | 26761597.14 | 719514.78 | 3380.85   | TOP 4" PVC LATERAL  |
| 8143        | 26761626.06 | 719495.12 | 3384.13   | TOP 4" PVC LATERAL  |
| 8144        | 26761599.96 | 719520.34 | 3380.46   | TOP 8" PVC MAIN     |
| 8145        | 26761599.12 | 719520.05 | 3380.59   | TOP 4" PVC LATERAL  |
| 8146        | 26761581.95 | 719532.74 | 3384.40   | TOP 4" PVC LATERAL  |
| 8147        | 26761618.87 | 719547.46 | 3378.40   | TOP 8" PVC MAIN     |
| 8148        | 26761619.09 | 719546.68 | 3378.51   | TOP 4" PVC LATERAL  |
| 8149        | 26761647.74 | 719526.92 | 3382.67   | TOP 4" PVC LATERAL  |
| 8150        | 26761623.87 | 719554.69 | 3377.91   | TOP 8" PVC MAIN     |
| 8151        | 26761622.88 | 719554.24 | 3378.21   | TOP 4" PVC LATERAL  |
| 8152        | 26761605.03 | 719567.22 | 3382.16   | TOP 4" PVC LATERAL  |
| 8153        | 26761634.94 | 719570.55 | 3376.08   | SSMH CL BARREL      |
| 8154        | 26761633.94 | 719569.08 | 3376.08   | INV 8" PVC MAIN IN  |
| 8155        | 26761635.41 | 719572.13 | 3375.89   | INV 8" PVC MAIN OUT |
| 8156        | 26761637.28 | 719577.83 | 3376.38   | TOP 8" PVC MAIN     |
| 8157        | 26761637.52 | 719576.96 | 3376.42   | TOP 4" PVC LATERAL  |
| 8158        | 26761667.31 | 719565.84 | 3379.34   | TOP 4" PVC LATERAL  |
| 8160        | 26761646.95 | 719604.83 | 3375.71   | TOP 8" PVC MAIN     |
| 8161        | 26761646.11 | 719604.30 | 3375.97   | TOP 4" PVC LATERAL  |
| 8162        | 26761627.51 | 719610.37 | 3378.97   | TOP 4" PVC LATERAL  |
| 8163        | 26761650.13 | 719614.60 | 3375.42   | TOP 8" PVC MAIN     |
| 8164        | 26761650.38 | 719613.52 | 3375.56   | TOP 4" PVC LATERAL  |
| 8165        | 26761686.58 | 719600.91 | 3377.43   | TOP 4" PVC LATERAL  |
| 8166        | 26761662.77 | 719650.93 | 3374.44   | TOP 8" PVC MAIN     |
| 8167        | 26761663.07 | 719649.76 | 3374.46   | TOP 4" PVC LATERAL  |
| 8168        | 26761700.62 | 719636.46 | 3377.66   | TOP 4" PVC LATERAL  |
| 8169        | 26761664.53 | 719655.91 | 3374.31   | TOP 8" PVC MAIN     |
| 8170        | 26761663.53 | 719655.25 | 3374.46   | TOP 4" PVC LATERAL  |
| 8171        | 26761646.77 | 719661.10 | 3376.88   | TOP 4" PVC LATERAL  |
| 8172        | 26761671.47 | 719674.92 | 3373.12   | SSMH CL BARREL      |
| 8173        | 26761670.36 | 719672.85 | 3373.13   | INV 8" PVC MAIN IN  |
| 8174        | 26761671.04 | 719675.88 | 3372.91   | INV 8" PVC MAIN OUT |
| 8175        | 26761670.92 | 719679.35 | 3373.51   | TOP 8" PVC MAIN     |
| 8176        | 26761671.69 | 719678.56 | 3373.67   | TOP 4" PVC LATERAL  |
| 8177        | 26761706.86 | 719678.40 | 3377.90   | TOP 4" PVC LATERAL  |
| 8178        | 26761688.90 | 719715.36 | 3360.29   | SSMH CL BARREL      |
| 8179        | 26761689.51 | 719716.54 | 3360.20   | INV 8" PVC MAIN OUT |
| 8180        | 26761171.43 | 719719.79 | 3360.60   | TOP 8" PVC MAIN     |
| 8181        | 26761171.76 | 719718.67 | 3360.72   | TOP 4" PVC LATERAL  |
| 8182        | 26761198.82 | 719704.21 | 3361.56   | TOP 4" PVC LATERAL  |
| 8184        | 26761179.75 | 719734.71 | 3359.57   | TOP 8" PVC MAIN     |
| 8185        | 26761178.65 | 719734.39 | 3359.73   | TOP 4" PVC LATERAL  |
| 8186        | 26761161.26 | 719743.58 | 3361.52   | TOP 4" PVC LATERAL  |
| 8187        | 26761190.06 | 719753.77 | 3358.26   | TOP 8" PVC MAIN     |
| 8188        | 26761190.27 | 719752.63 | 3358.43   | TOP 4" PVC LATERAL  |
| 8189        | 26761220.79 | 719736.29 | 3359.12   | TOP 4" PVC LATERAL  |
| 8191        | 26761208.78 | 719789.04 | 3355.77   | TOP 8" PVC MAIN     |
| 8192        | 26761209.25 | 719787.88 | 3356.06   | TOP 4" PVC LATERAL  |