

Memorandum

Department of Public Works
City Engineer Division
Survey Section
333 North Rancho Dr., 8th 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 D. Bond, PLS
VTN

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

Date: November 9, 2016

Re: Sanitary Sewer Final Location Map
Summerlin Village 23B Parcel P - Sarasota Unit 2
(Drawing No. 107Y5011-2, L-Civil No. 56849)

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:

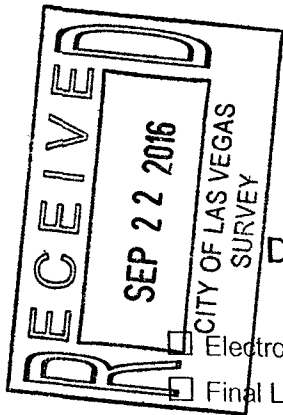
Acceptable: 11/09/2016


Signature

City Surveyor
Title

Public Works/Survey
Department/Division

ARR/OS:sk



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) 363-1051

DEVELOPER'S SUBMITTAL OF GPS COORDINATES

☒ Sewer

☐ Storm Drain

☐ Electronic Comma Delineated File

☐ Final Location Map (2)

NOTE: THE TOP PART OF THIS FORM MUST BE FILLED OUT IN ITS ENTIRETY

PROJECT NAME: SARASOTA UNIT-2 UNIT: 2 PHASE: NA

PROJECT LOCATION: ALTA - DESERT FOOT HILLS

CLV PLAN #: 107YSD11-2 CLV PROJECT # 56849 SHEET NO. (S): 1

OF MANHOLES 5 PUB. SEWER/STORM DRAIN LIN. FT 1343 # OF PRIVATE LATERALS 42

DEVELOPER: RYLAND HOMES PHONE: 702-360-7500 FAX: _____

SURVEY CO.: VTN NEVADA PHONE: 702-873-7550 FAX: 702-362-2597

CONTRACTOR: WESTERN STATES PHONE: 702-644-1117 FAX: 702-851-6633

CONTRACTOR'S SUPERVISOR NAME: JEFF M. O'D MOBILE 702-264-9816

DATE OF REQUEST: 9/20/16

THIS SEWER HAS BEEN SURVEYED BY NEVADA LICENSED LAND SURVEYOR:

Company Name VTN NEVADA Surveyor Name RAYMOND D. BOND

License # 16224 License exp. Date: 12/31/2016

CITY USE ONLY

DATE SR. INSPECTOR RECEIVED: _____ SR. INSPECTOR INITIALS: _____

DATE RECEIVED FROM SR. INSPECTOR AND SENT TO CITY SURVEYOR: _____

ACCEPTABLE BY CITY SURVEYOR DATE: 11/9/16 NOT ACCEPTABLE BY CITY SURVEYOR DATE _____

CLV SURVEYOR'S SIGNATURE: [Signature] DATE: 11-9-16

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

For Sanitary Sewer To Complete and Return to Offsite Inspection & Testing:

RECEIVED BY: Joe Peña
(PLEASE PRINT)

SIGNATURE: [Signature] DATE: 11/15/2016

For Flood Control To Complete and Return to Offsite Inspection & Testing:

RECEIVED BY: _____
(PLEASE PRINT)

SIGNATURE: _____ DATE: _____



City of Las Vegas
Department of Public Works
Survey Section

REVIEW CHECKLIST
SANITARY SEWER
FINAL LOCATION MAP

JOB NUMBER H56849 SS2
PROJECT NAME SUMMERLIN VILLAGE 23B PARCEL P - SARASOTA UNIT 2
WORK AUTH. NO. P28000
SUBMITTED BY VTN
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE 11/9/16
REVIEWED BY D. SANTANA

REVIEW DETERMINATION

- ☒ Approved
☐ Not Acceptable

TO BE RE-SUBMITTED

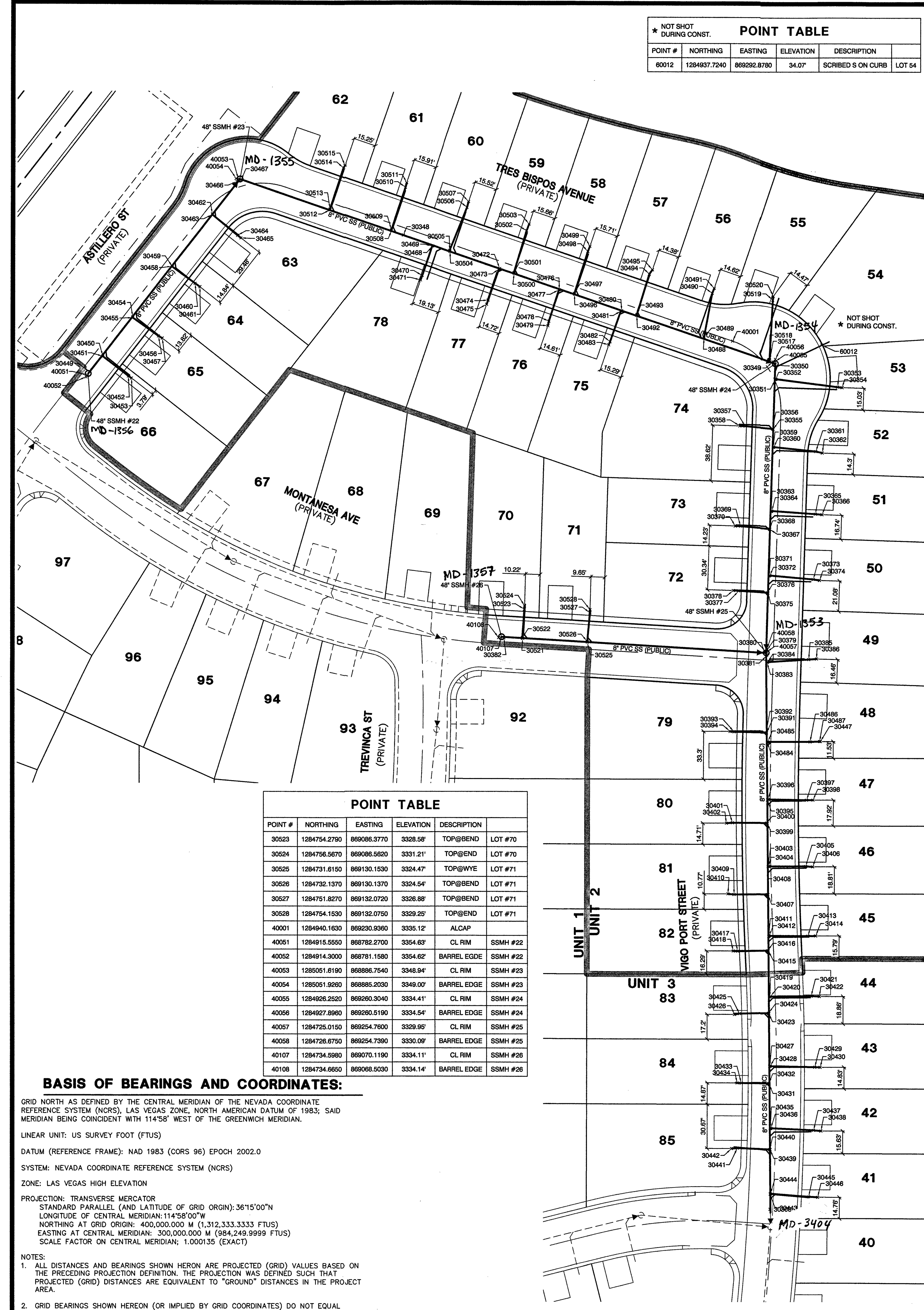
- ☐ Two bond copies (no mylar)
☐ Electronic media with comma-separated coordinate file

REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
Submittal Contents				
Two bond copies (no mylar)	☒	☐	☐	
Electronic media containing comma-separated coordinate file	☒	☐	☐	
General Map Contents				
Sheet size 24" x 36"	☐	☐	☐	
Sheet number and number of sheets	☐	☐	☐	
North arrow (pointing up, left or right)	☐	☐	☐	
Scale (written & graphic, correctly shown, appropriate scale used)	☐	☐	☐	
Lettering legibility (minimum text size 0.08")	☐	☐	☐	
Map title shown ("Sanitary Sewer Final Location Map")	☐	☐	☐	
CLV project name shown	☐	☐	☐	
CLV Hansen No. shown	☐	☐	☐	
CLV Drawing No. shown	☐	☐	☐	
Preparer's company name and contact information shown	☐	☐	☐	
Legend (all linetypes and symbols defined)	☐	☐	☐	
Non-standard abbreviations defined	☐	☐	☐	
Distances, coordinates and elevations labeled using decimal feet	☐	☐	☐	
Approximate limits of streets shown (improvements or right-of-way)	☐	☐	☐	
Street names labeled (identified as public or private)	☒	☐	☐	

REVIEW CHECKLIST – SANITARY SEWER FINAL LOCATION MAP

REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
Sanitary Sewer Improvements Data				
*NOTE As of December 1, 2015 manhole cover locations are no longer required.				
Manhole Barrel/Base: (measured horizontally at centerline of structure barrel/base, vertical location does not apply)	☒	☐	☐	
Vaults and Junction Structures: (measured horizontally at all outer extents of structure, vertically at top of structure)	☐	☐	☒	
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)	☒	☐	☐	Lateral For Lot 54 HAS BEEN WAIVED BY SEWER PLANNING
*NOTE 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.				
Coordinate Information				
Data acquisition completion date indicated	☒	☐	☐	
Coordinate system indicated (only CLV approved coordinate systems are to be used)	☒	☐	☐	
Horizontal datum, datum adjustment, and epoch date indicated (only CLV approved datums are to be used)	☒	☐	☐	
Benchmark ID, description, elevation indicated	☒	☐	☐	
Statement of positional accuracy per the tolerances indicated below	☒	☐	☐	
*NOTE For all projects with improvement plans approved prior to March 1, 2015 coordinates provided must be accurate to within ±0.5 feet horizontally and vertically. For all projects with improvement plans approved after March 1, 2015 coordinates provided must be accurate to within ±0.3 feet horizontally and vertically.				
Coordinate accuracy QA/QC (when available)	☐	☐	☒	

ADDITIONAL COMMENTS



BASIS OF BEARINGS AND COORDINATES:

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

LINEAR UNIT: US SURVEY FOOT (FTUS)

DATUM (REFERENCE FRAME): NAD 1983 (CORS 96) EPOCH 2002.0

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

ZONE: LAS VEGAS HIGH ELEVATION

PROJECTION: TRANSVERSE MERCATOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N
LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W
NORTHING AT GRID ORIGIN: 400,000,000 M (1,312,333.3333 FTUS)
EASTING AT CENTRAL MERIDIAN: 300,000,000 M (984,249.9999 FTUS)
SCALE FACTOR ON CENTRAL MERIDIAN: 1.000135 (EXACT)

NOTES:

1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION. THE PROJECTION WAS DEFINED SUCH THAT PROJECTED (GRID) DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES IN THE PROJECT AREA.

2. GRID BEARINGS SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDIAN CONVERGENCE.

POINT TABLE					
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	
60012	1284937.7240	869292.8780	34.07	SCRIBED S ON CURB	LOT 54

POINT TABLE					
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	
30523	1284754.2790	869096.3770	3328.58	TOP@BEND	LOT #70
30524	1284756.5670	869096.5620	3331.21	TOP@END	LOT #70
30525	1284731.6150	869130.1530	3324.47	TOP@WYE	LOT #71
30526	1284732.1370	869130.1370	3324.54	TOP@BEND	LOT #71
30527	1284751.8270	869132.0720	3326.88	TOP@BEND	LOT #71
30528	1284754.1530	869132.0750	3329.25	TOP@END	LOT #71
40001	1284940.1630	869230.9360	3335.12	ALCAP	
40051	1284915.5550	868782.2700	3354.63	CL RIM	SSMH #22
40052	1284914.3000	868781.1580	3354.62	BARREL EDGE	SSMH #22
40053	1285051.6190	868886.7540	3348.94	CL RIM	SSMH #23
40054	1285051.9260	868885.2030	3349.00	BARREL EDGE	SSMH #23
40055	1284926.2520	869260.3040	3334.41	CL RIM	SSMH #24
40056	1284927.8960	869260.5190	3334.54	BARREL EDGE	SSMH #24
40057	1284725.0150	869254.7600	3329.95	CL RIM	SSMH #25
40058	1284726.6750	869254.7390	3330.09	BARREL EDGE	SSMH #25
40107	1284734.5980	869070.1190	3334.11	CL RIM	SSMH #26
40108	1284734.6650	869068.5030	3334.14	BARREL EDGE	SSMH #26

POINT TABLE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION	
30308	1284338.7640	869257.0520	3308.85	INV	
30348	1285013.1020	869001.4350	3335.22	INV	
30349	1284925.1850	869258.8520	3326.20	INV	SSMH #24
30350	1284924.0480	869260.3860	3326.00	INV	SSMH #24
30351	1284913.8080	869260.4760	3328.17	TOP@WYE	LOT #53
30352	1284914.1410	869260.9290	3328.28	TOP@BEND	LOT #53
30353	1284908.6800	869303.8150	3328.27	TOP@BEND	LOT #53
30354	1284908.3220	869306.9330	3329.42	TOP@END	LOT #53
30355	1284879.3380	869258.9950	3325.04	TOP@WYE	LOT #74
30356	1284879.6980	869258.5100	3325.17	TOP@BEND	LOT #74
30357	1284881.3870	869239.6750	3326.18	TOP@BEND	LOT #74
30358	1284881.5310	869236.0340	3329.58	TOP@END	LOT #74
30359	1284866.8290	869258.1040	3324.55	TOP@WYE	LOT #52
30360	1284867.0630	869259.5170	3324.68	TOP@BEND	LOT #52
30361	1284864.0230	869288.7610	3324.94	TOP@BEND	LOT #52
30362	1284862.9870	869293.3060	3328.52	TOP@END	LOT #52
30363	1284822.5600	869257.7220	3323.03	TOP@WYE	LOT #51
30364	1284822.9390	869258.2240	3323.10	TOP@BEND	LOT #51
30365	1284820.7930	869288.5270	3324.52	TOP@BEND	