

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: Gregory D. Rivero, PLS
The WLB Group

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

Date: December 19, 2016

Re: Sanitary Sewer Final Location Map
LEGACY HOUSE OF CENTENNIAL HILLS
(Drawing No. 107V6492, L-Civil No. 60219)

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:

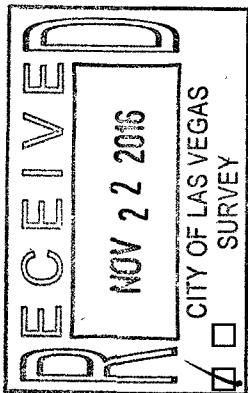
Acceptable: December 19, 2016


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: Legacy House of Centennial Hills UNIT: PHASE:
PROJECT LOCATION: 6310 N. Durango Dr.
CLV PLAN #: 102V6492 CLV PROJECT # 60219 SHEET NO. (S): 2
OF MANHOLES 2 PUB. SEWER/STORM DRAIN LIN. FT. # OF PRIVATE LATERALS 1

DEVELOPER: Western States PHONE: 801-898-8845 FAX:
SURVEY CO.: WLB Group PHONE: 702-458-2551 FAX:
CONTRACTOR: Martin Harris Construction PHONE: 702-994-2103 FAX:
CONTRACTOR'S SUPERVISOR NAME: Mickey Joseph MOBILE: 702-994-2103
DATE OF REQUEST: 11/21/16

**SUBMIT DIRECTLY TO THE OFFICE OF THE CITY
SURVEYOR LOCATED ON THE 8th 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: 12/19/16 NOT ACCEPTABLE BY CITY SURVEYOR DATE

CLV SURVEYOR'S SIGNATURE: DATE: 12/19/16

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 H60219 SS2
PROJECT NAME LEGACY HOUSE OF CENTENNIAL HILLS
WORK AUTH. NO. P28000
SUBMITTED BY The WLB Group
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE 12/15/16
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

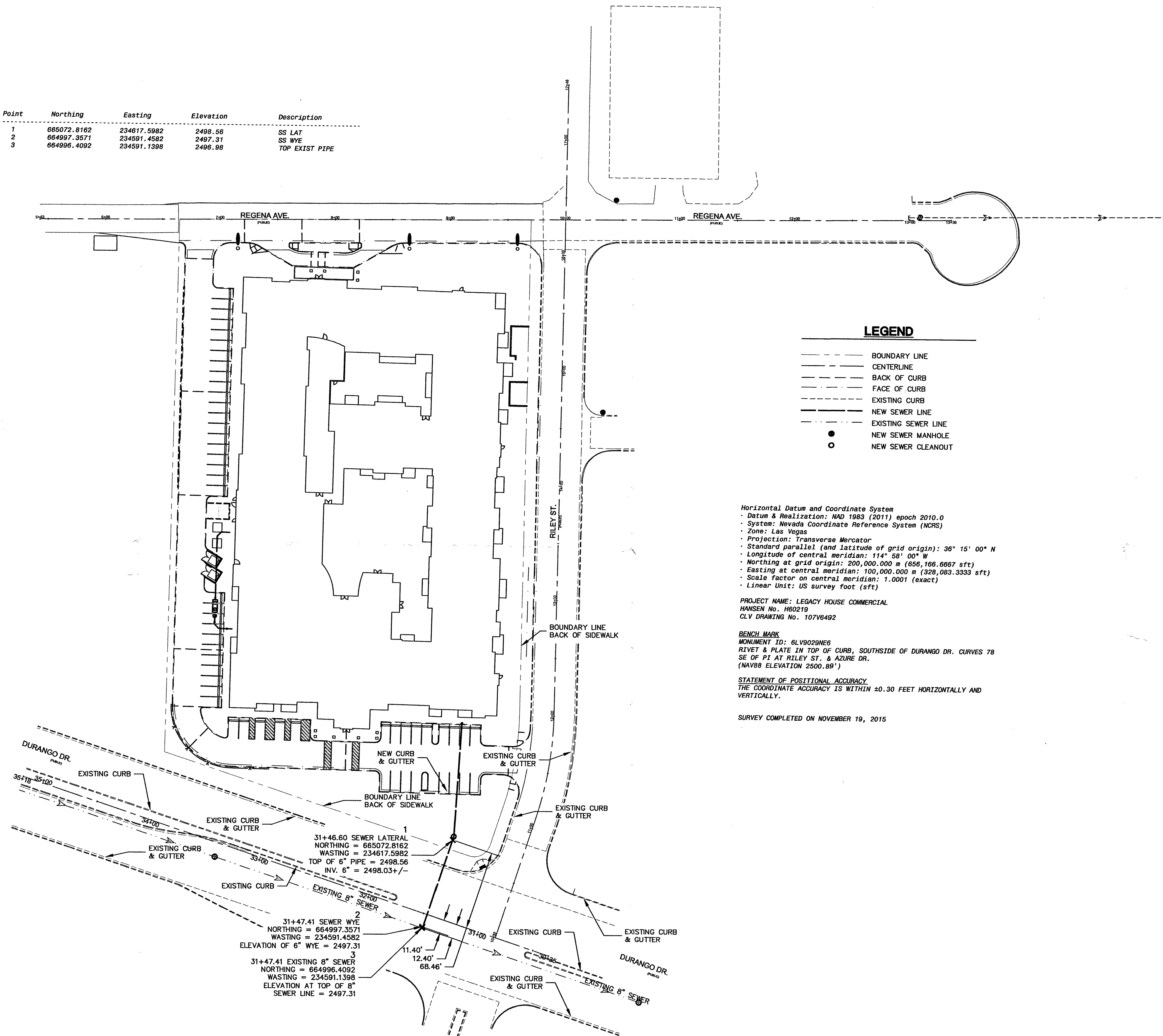
REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
Submittal Contents				
Two bond copies (no mylar)	☒	☐	☐	
Electronic media containing comma-separated coordinate file	☐	☐	☒	
General Map Contents				
Sheet size 24" x 36"	☐	☐	☐	
Sheet number and number of sheets	☐	☐	☐	
North arrow (pointing up, left or right)	☐	☐	☐	
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)	☒	☐	☐	
*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

Point	Northing	Easting	Elevation	Description
1	665072.8162	234617.5982	2498.56	SS LAT
2	664997.3571	234591.4582	2497.31	SS WYE
3	664996.4092	234591.1398	2496.98	TOP EXIST PIPE



LEGEND

---	BOUNDARY LINE
---	CENTERLINE
---	BACK OF CURB
---	FACE OF CURB
---	EXISTING CURB
---	NEW SEWER LINE
---	EXISTING SEWER LINE
●	NEW SEWER MANHOLE
○	NEW SEWER CLEANOUT

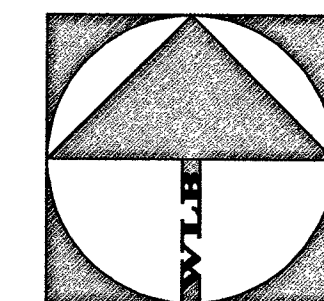
Horizontal Datum and Coordinate System
• Datum & Realization: NAD 1983 (2011) epoch 2010.0
• System: Nevada Coordinate Reference System (NCRS)
• Zone: Las Vegas
• Projection: Transverse Mercator
• Standard parallel (and latitude of grid origin): 36° 15' 00" N
• Longitude of central meridian: 114° 58' 00" W
• Northing at grid origin: 200,000,000 m (656,168,686.7 sft)
• Easting at central meridian: 100,000,000 m (328,083,333.3 sft)
• Scale factor on central meridian: 1.0001 (exact)
• Linear Unit: US survey foot (sft)

PROJECT NAME: LEGACY HOUSE COMMERCIAL
HANSEN No. H60219
CLV DRAWING No. 107V6492

BENCH MARK
MONUMENT ID: 6LV9029NE6
RIVET & PLATE IN TOP OF CURB, SOUTHSIDE OF DURANGO DR. CURVES 78
SE OF PI AT RILEY ST. & AZURE DR.
(NAV88 ELEVATION 2500.89')

STATEMENT OF POSITIONAL ACCURACY
THE COORDINATE ACCURACY IS WITHIN ±0.30 FEET HORIZONTALLY AND VERTICALLY.

SURVEY COMPLETED ON NOVEMBER 19, 2015



GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

SHEET TITLE:
**SANITARY SEWER
FINAL LOCATION MAP**

PROJECT:
**LEGACY HOUSE
OF CENTENNIAL HILLS**

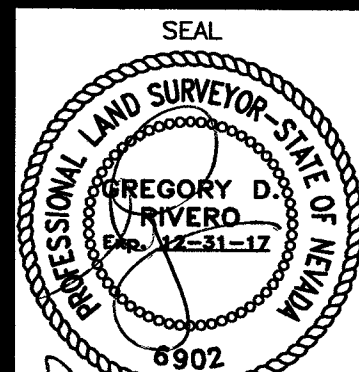
Drawn by:
BEW

Designed by:

Checked by:
CP

Project No.:
415016-A-001

Scale: 40



SHEET

C1 OF C1
DRAWING NO.

REVISION

BY

DATE

REV

The **WTLB** Group
Engineering & Landscape Architecture
3663 EAST SENSET ROAD, SUITE 204
LAS VEGAS, NV 89120 (702) 458-2551