

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: Robert E. Harrison, PLS
Heritage Surveying

From: Alan R. Riecki, PLS
City Surveyor

C: Michael Cunningham, Manager
Building and Safety Department

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

Date: December 7, 2017

Re: Sanitary Sewer Final Location Map
197 East California
(Drawing No. 107V6385, L-Civil No. 58658)

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: 12/6/2017



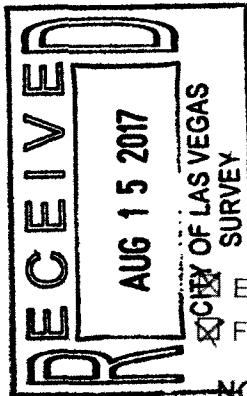
Signature

City

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) 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: 197 EAST CALIFORNIA UNIT: _____ PHASE: _____

PROJECT LOCATION: 197 EAST CALIFORNIA LAS VEGAS NEVADA

CLV PLAN #: 107V6385 CLV PROJECT # L-58658 SHEET NO. (S): _____

OF MANHOLES _____ PUB. SEWER/STORM DRAIN LIN. FT. _____ # OF PRIVATE LATERALS 1

DEVELOPER: EDWARD HOMES PHONE: 702-665-6989 FAX: _____

SURVEY CO.: HERITAGE SURVEYING PHONE: 702-474-6277 FAX: _____

CONTRACTOR: TERRA CONTRACTING PHONE: 702-580-4019 FAX: _____

CONTRACTOR'S SUPERVISOR NAME: MONICO ROMERO MOBILE: 702-580-4019

DATE OF REQUEST: August 15, 2017

**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: 12/1/17 NOT ACCEPTABLE BY CITY SURVEYOR DATE _____

CLV SURVEYOR'S SIGNATURE: [Signature] DATE: 12/1/17

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 58658 SS4
PROJECT NAME 197 EAST CALIFORNIA
WORK AUTH. NO. P28000
SUBMITTED BY Heritage Surveying(Robert E. Harrison)
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE 12/6/17
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

MAIN STREET
(PUBLIC STREET)

CALIFORNIA STREET
(PUBLIC STREET)

CASINO CENTER BOULEVARD
(PUBLIC STREET)

COLORADO AVENUE
(PUBLIC STREET)

BLOCK
8

20.00'

LOT 11

LOT 3

LOT 2

PT# 9501
N: 26759100.59
E: 783190.63
ELEV: 2031.06 - GROUND
DESC: SS LINE - 6FT 9"
POSITION LOCATED FROM
SEWER SONDE - (±) 6.75' TO
PIPE INVERT PER SOUNDING

PT# 9500
N: 26759098.09
E: 783205.86
ELEV: 2030.98 - GROUND
DESC: SS WYE - 6FT 6"
POSITION LOCATED FROM
SEWER SONDE - (±) 6.5' TO
PIPE INVERT PER SOUNDING

APN: 162-03-110-068
197 EAST CALIFORNIA STREET

PT# 9003
N: 26759097.20
E: 783227.38
ELEV: 2030.66 - GROUND
DESC: SSC0

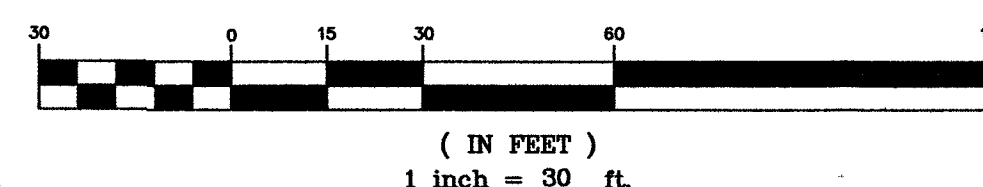
EC-539
PT# 9009
N: 26758877.72
E: 783177.27
ELEV: 2031.24
DESC: (E) SSMH

PT# 9001
N: 26759164.88
E: 783764.78
ELEV: 2028.17
DESC: FND 2IN BRCAP PLS10598

PT# 9002
N: 26758685.63
E: 783737.41
ELEV: 2028.28
DESC: FND 1.5IN ALCAP JSS XXX98



GRAPHIC SCALE



HORIZONTAL DATUM

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

NOTES

THE PURPOSE OF THIS SURVEY IS TO PROVIDE AS-BUILT INFORMATION FOR THE SANITARY SEWER FACILITIES LOCATED AT 197 EAST CALIFORNIA STREET.

THE SURVEY WAS COMPLETED ON NOVEMBER 17, 2017.

THE POSITION CERTAINTY OF THE AS-BUILT INFORMATION SHOWN IS WITHIN +/- 0.5' HORIZONTALLY AND VERTICALLY.

INFORMATION SHOWN HEREON IS BASED ON SURFACE MARKINGS OF SEWER PIPE BASED ON SONDE (SOUNDING) READINGS TO AN ACTIVE SONDE ON NOVEMBER 17, 2017.

LEGEND

---	STREET CENTER LINE
---	PROPERTY LINE
---	RIGHT OF WAY
---	SEWER LINE

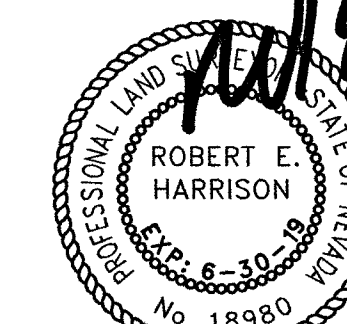
BENCHMARK

CITY OF LAS VEGAS BENCHMARK # 8LV113NWS

RIVET AND PLATE IN TOP OF CURB NE CORNER MAINT STREET AND CALIFORNIA STREET.

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

619.545 METERS
2032.63 U.S. SURVEY FEET



CLV PROJECT: 197 EAST CALIFORNIA STREET.
CLV PLAN #107V6385
CLV PROJECT # 58658

SCALE (H):	1" = 30'
SCALE (V):	N/A
DRAWN BY:	REH
APN	162-03-110-068
SANITARY SEWER FINAL LOCATION MAP 197 EAST CALIFORNIA STREET EDWARDS HOMES	
CITY OF LAS VEGAS	
CLARK COUNTY	
NEVADA	
Heritage Surveying 1895 VILLAGE CENTER CIRCLE LAS VEGAS, NEVADA 89134 (702) 474-6277 (HSA-MAPS) FAX (702) 255-6902 HERITAGE-SURVEYING.COM	
JOB NUMBER 990.0211	
DWG: # - SWRASELT-R2	
DATE: 11/27/17	
SHEET 1 OF 1	