

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 **MFK**
City Surveyor

C: Lance M. West, PLS
Wallace Morris Kline

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

Date: July 3, 2019

Re: Sanitary Sewer Final Location Map
CENTENNIAL HUALAPAI PHASE 2
(Drawing No. 107Y5084-2, L-Civil No. L18-01948)

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: July 3, 2019



Signature

FOR:

City Surveyor

Title

Public Works/Survey

Department/Division

ARR/KB:mj



City of Las Vegas
Department of Public Works
Survey Section

REVIEW CHECKLIST
SANITARY SEWER
FINAL LOCATION MAP

JOB NUMBER L18-01948 SS1
PROJECT NAME CENTENNIAL HUALAPAI PHASE 2
WORK AUTH. NO. P28000
SUBMITTED BY WALLCE MORRIS KLINE (LANCE M. WEST)
PROJECT TYPE CIP ☐ Land Dev ☐ Street Rehab ☐
DATE 7-2-2019
REVIEWED BY KEN BURNS

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)	☒	☐	☐	

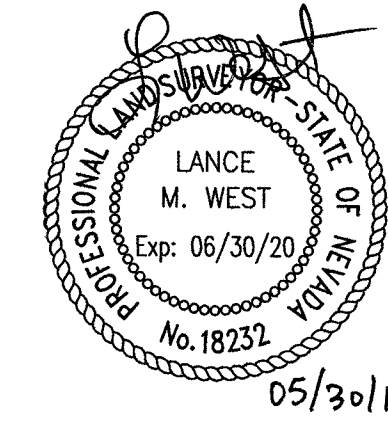
ADDITIONAL COMMENTS

SANITARY SEWER FINAL LOCATION MAP FOR CENTENNIAL HUALAPAI PHASE 2

BEING A MERGER AND RESUBDIVISION OF A PORTION OF LOT 1 AND ALL OF LOT 2 OF THAT CERTAIN CERTIFICATE OF LAND DIVISION # LD 73-90, RECORDED SEPTEMBER 11, 1990, IN BOOK 900911 OF OFFICIAL RECORDS, AS INSTRUMENT NO. 00884, TOGETHER WITH A PORTION OF THAT CERTAIN PARCEL OF LAND DESCRIBED BY "ORDER OF VACATION" RECORDED IN BOOK 20180927 OF OFFICIAL RECORDS, AS INSTRUMENT NO. 01240, TOGETHER WITH A PORTION OF GOVERNMENT LOT 30 OF SECTION 19, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA

SURVEYOR'S STATEMENT

- 1) SURVEY WAS COMPLETED ON MAY 15, 2019.
- 2) THE POSITIONAL CERTAINTY FOR THIS SURVEY IS 0.3' HORIZONTAL AND 0.3' VERTICAL BASED ON NAD83(2011), EPOCH 2010.00
- 3) THE POSITIONAL CERTAINTY STATED DOES NOT TAKE INTO ACCOUNT ANY MODIFICATIONS TO THE PIPE, MANHOLES OR LATERALS COMPLETED AFTER THE DATE OF SURVEY.



LANCE M. WEST
PROFESSIONAL LAND SURVEYOR
NEVADA LICENSE NO. 18232

BASIS OF BEARINGS

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

ZONE: LAS VEGAS ZONE

DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.00

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

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: 200,000.00 M (656,166.6667 FEET US)
EASTING AT CENTRAL MERIDIAN: 100,000.00 M (328,083.3333 FEET US)
SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)

NOTES:

1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION.
2. GRID BEARING SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARING DUE TO MERIDIAN CONVERGENCE.

BENCHMARK

8LV9019C4 - BEING A RIVET AND PLATE IN CONCRETE PAD (ELEC) +/- 200 FEET NORTHWEST OF DEER SPRINGS AND GRAND CANYON.

2732.21 US SURVEY FEET
832.779 METERS

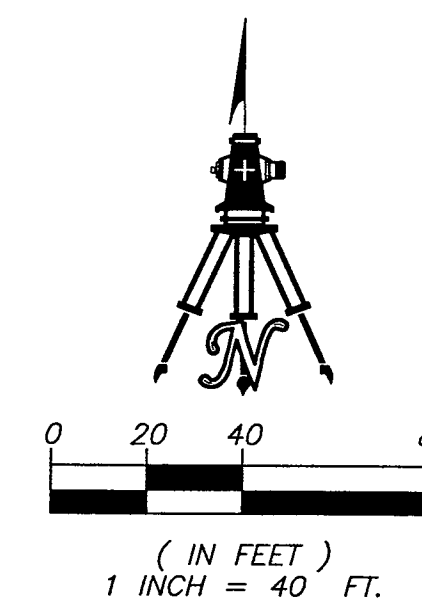
N.A.V.D. 88 DATUM

NOTES

- 1) SEE ELECTRONIC FILE "CENTENNIAL HUALAPAI-PHASE2-SS-PNTS-NCRS.TXT" FOR COORDINATES.

LEGEND

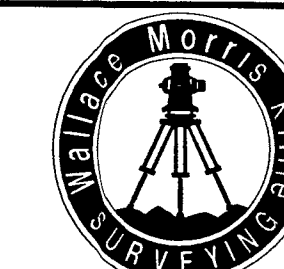
_____	RIGHT-OF-WAY LINE	CL BARREL	CENTER OF MANHOLE BARREL
_____	STREET CENTERLINE		
_____	SEWER LINE	SWR-Y	SHOT TAKEN ON TOP OF PIPE AT SEWER Y
×	POINT LOCATION		
23118	POINT NUMBER	SWR-LATERAL	SHOT TAKEN ON TOP OF PIPE AT SEWER LATERAL
21	LOT NUMBER	PIPE-TOP	SHOT TAKEN ON TOP OF PIPE



H# L18-01948
CLV DWG 107Y5084-2

**SANITARY SEWER FINAL LOCATION MAP
CENTENNIAL HUALAPAI PHASE 2**

A COMMON INTEREST COMMUNITY
BEING A MERGER AND RESUBDIVISION OF A PORTION OF LOT 1 AND ALL OF
LOT 2, TOGETHER WITH A PORTION OF GOVERNMENT LOT 30 OF SECTION 19,
TOWNSHIP 19 SOUTH, RANGE 60 EAST, N.D.M., CITY OF LAS VEGAS, CLARK
COUNTY, NEVADA



WALLACE · MORRIS · KLINE
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