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. Riekki, PLS
City Surveyor

C: Lance M. West, PLS
Wallace Morris Kline Surveying

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

Date: September 22, 2016

Re: Sanitary Sewer Final Location Map
CONNOR HILLS
(Drawing No. 107Y5027, L-Civil No. 56727)

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: September 22, 2016

Signature

City Surveyor
Title

Public Works/Survey
Department/Division

ARR/OS:js

RECEIVED
SEP 01 2016
CITY OF LAS VEGAS
SURVEY

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: CONNOR HILLS **UNIT:** N/A **PHASE:** N/A

PROJECT LOCATION: DEER SPRINGS WAY AND GRAND CANYON DRIVE

CLV PLAN #: 56727 **CLV PROJECT #** 107Y5027 **SHEET NO. (S):** 1

 # OF MANHOLES 9 **PUB. SEWER/STORM DRAIN LIN. FT.** 2230 **# OF PRIVATE LATERALS** 40

DEVELOPER: RICHMOND AMERICAN HOMES **PHONE:** 702-617-8464 **FAX:** 702-617-8499

SURVEY CO.: WALLACE MORRIS KLINE **PHONE:** 702-212-3967 **FAX:** 702-212-3963

CONTRACTOR: RP WEDDEL & SONS **PHONE:** 702-248-4829 **FAX:** 702-438-2489

CONTRACTOR'S SUPERVISOR NAME: JR HENDRY **MOBILE:** 702-296-8576

DATE OF REQUEST: AUGUST 19, 2016

THIS SEWER HAS BEEN SURVEYED BY NEVADA LICENSED LAND SURVEYOR:

Company Name WALLACE MORRIS KLINE **Surveyor Name** LANCE WEST

License # 18232 **License exp. Date:** 6/30/18

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: 9/22/16 **NOT ACCEPTABLE BY CITY SURVEYOR DATE** _____

CLV SURVEYOR'S SIGNATURE: _____ **DATE:** 9/22/16

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: Joe Peña **DATE:** 9/26/2016

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 H56727 SS1
PROJECT NAME CONNOR HILLS
WORK AUTH. NO. P28000
SUBMITTED BY Wallace Morris Kline
PROJECT TYPE CIP ☐ Land Dev ☑ Street Rehab ☐
DATE 9/20/16
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

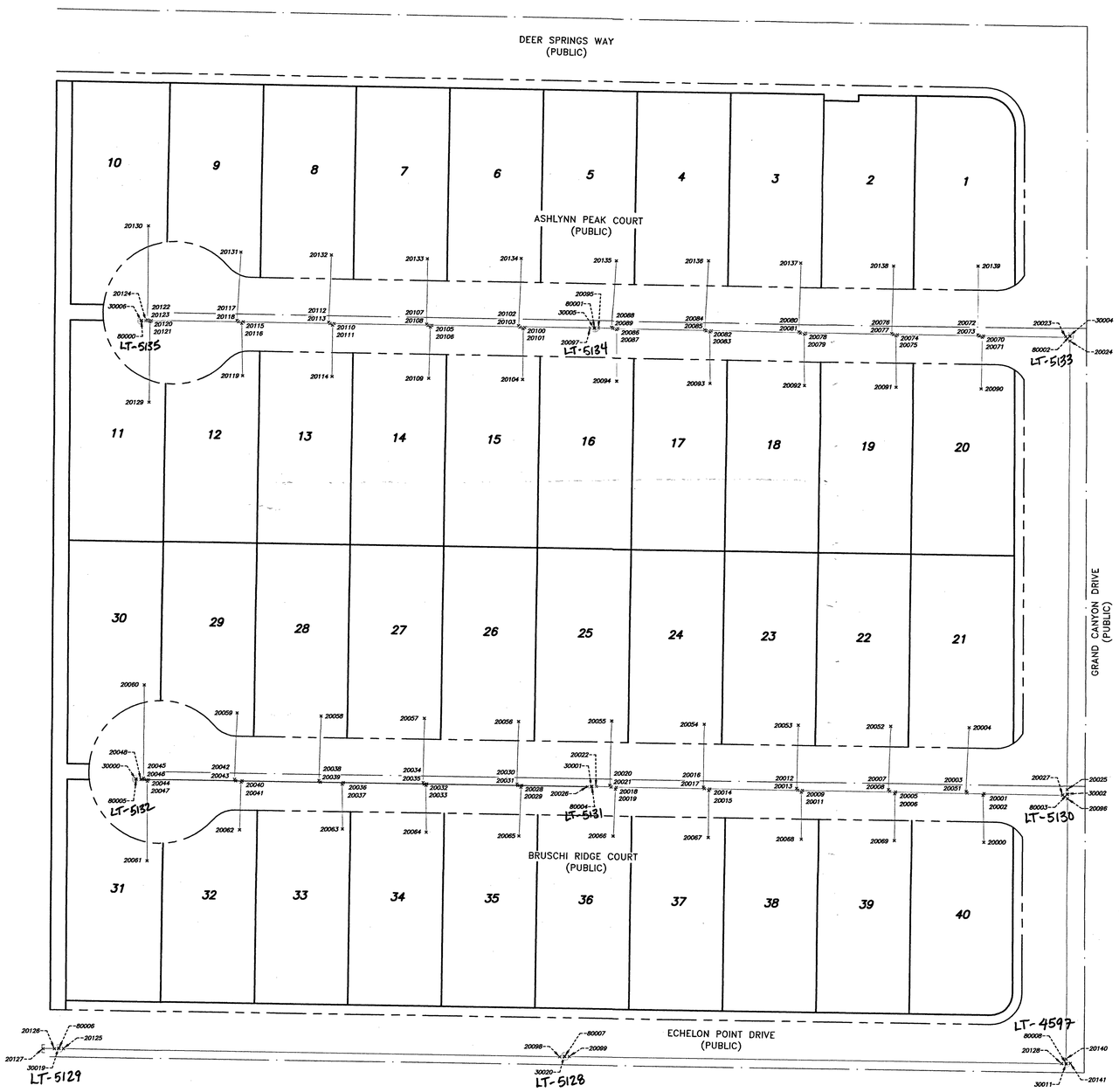
REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
Sanitary Sewer Improvements Data				
***NOTE** As of December 1, 2015 **manhole cover locations are no longer required**.				
Manhole Barrel/Base: (measured horizontally at centerline of structure barrel/base, vertical location does not apply)	☑	☐	☐	
Vaults and Junction 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

SANITARY SEWER FINAL LOCATION MAP FOR
CONNOR HILLS

A COMMON INTEREST COMMUNITY

BEING A SUBDIVISION OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) 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 AUGUST 19, 2016.

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

PROFESSIONAL LAND SURVEYOR - STATE OF NEVADA
LANCE M. WEST
Exp: 06/30/18
No. 18232
06/31/16

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

6LV9019C4 – BEING A RIVET AND PLATE IN TOP OF CURB ON THE NORTHEAST CORNER OF DEER SPRINGS WAY AND GRAND CANYON DRIVE.

2724.21 US SURVEY FEET
830.340 METERS

N.A.V.D. 88 DATUM

NOTES

SEE ELECTRONIC TEXT FILE "CONNORHILLS–PNTS–SS–NCRS.TXT" FOR COORDINATES.

LEGEND

———	RIGHT–OF–WAY LINE
—·—·—	STREET CENTERLINE
———	SEWER LINE
×	POINT LOCATION
23118	POINT NUMBER
21	LOT NUMBER

CL BARREL	CENTER OF 48" MANHOLE BARREL
SWR–MH	SHOT TAKEN AT CENTER OF 38" COLLAR
SWR–Y	SHOT TAKEN ON TOP OF PIPE AT SEWER Y
SWR–LATERAL	SHOT TAKEN ON TOP OF PIPE AT SEWER LATERAL
PIPE–TOP	SHOT TAKEN ON TOP OF PIPE

0 25 40 80
(IN FEET)
1 INCH = 40 FT.

H# 56727
CLV DWG 107Y5027

SANITARY SEWER FINAL LOCATION MAP
CONNOR HILLS

BEING A SUBDIVISION OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 19, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

WALLACE · MORRIS · KLINE
SURVEYING, INC.
LAND SURVEY CONSULTING
5740 SOUTH ARVILLE STREET, #206
LAS VEGAS, NEVADA 89118
PH:702.212.3967 FX:702.212.3963

SHEET 1 OF 1

JOB# SHG–13262