

Memorandum

Department of Public Works
City Engineer Division
Survey Section
333 North Rancho Dr., 8th Floor
Las Vegas, Nevada 89106
Phone (702) 229-6217
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To: Michael Cunningham, Manager
Building and Safety Department

From: Alan R. Riecki, PLS
City Surveyor

C: Ryan Martina, PLS
Jemison Surveying & Services

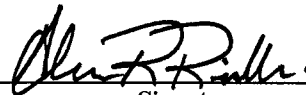
Oh-Sang Kwon, P.E., Engineering Project Manager
Flood Control Section

Date: June 11, 2020

Re: Storm Drain Final Location Map
SWV 21 KINDLE CORNER CARRIAGE HILL TO DESERT FOOTHILL
(Drawing No. 107V7671, L-Civil No. L19-00477)

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: June 10, 2020


Signature

City Surveyor
Title

Public Works/Survey
Department/Division

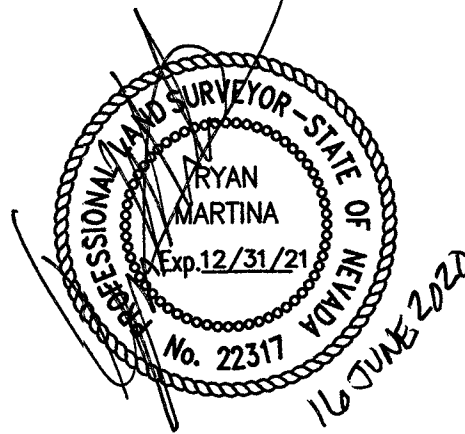
SURVEYOR'S CERTIFICATE

I, RYAN MARTINA, A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF NEVADA, CERTIFY THAT:

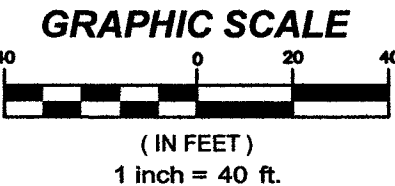
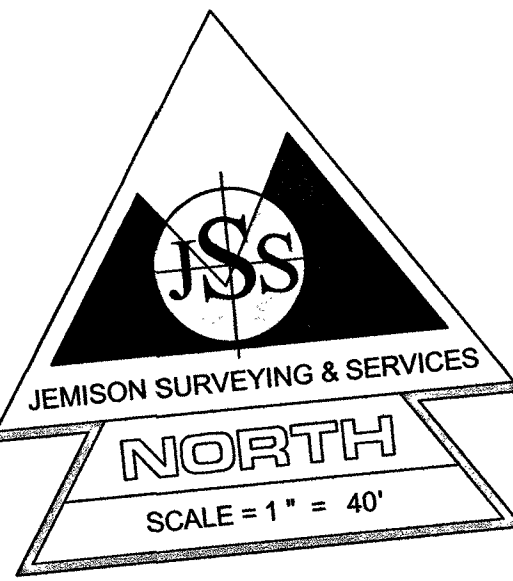
THIS AS-BUILT SURVEY WAS COMPLETED ON MARCH 3, 2020.

THE SURVEY IS BASED UPON THE CITY OF LAS VEGAS HORIZONTAL AND VERTICAL CONTROL AS INDICATED ON THE APPROVED PLANS, AND POSITIONAL ACCURACIES MEET OR EXCEED $\pm 0.3'$ HORIZONTALLY AND VERTICALLY.

RYAN MARTINA
NEVADA PLS 22317



STORM DRAIN FINAL LOCATION MAP
SUMMERLIN WEST VILLAGE 21
KINDLE CORNER WAY
CARRIAGE HILL TO DESERT FOOTHILLS



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 HIGH ELEVATION ZONE

DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.0

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: 400,000.00 M (1,312,333.3333 FEET US)
EASTING AT CENTRAL MERIDIAN: 300,000.00 M (984,250.0000 FEET US)
SCALE FACTOR ON CENTRAL MERIDIAN: 1.000135 (EXACT)

- NOTES:
- 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.
 - GRID BEARING SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARING DUE TO MERIDIAN CONVERGENCE.

NOTES

ELECTRONIC FILE TITLED "KINDLE CORNER-STORM.CSV" DIRECTLY REFLECTS THE POINTS SHOWN ON THIS MAP.

LEGEND

- PREVIOUSLY EXISTING STORM DRAIN
- NEW STORM DRAIN
- RIGHT OF WAY
- CENTERLINE STORM DRAIN MANHOLE BARREL
- TOP OF STORM DRAIN PIPE

BENCHMARK

CLV BM# 5LV0926W6 (2008 CLV ADJUSTMENT)
RIVET & PLATE IN TOP OF CURB AT SE CORNER OF CARRIAGE HILL & FAR HILLS.
NAVD88 ELEVATION:
3229.29 US SURVEY FEET
984.29 METERS

