

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: Lance M. West, PLS
Wallace Morris Kline Surveying
Oh-Sang Kwon, P.E., Engineering Project Manager
Flood Control Section

Date: September 12, 2016

Re: Storm Drain Final Location Map
SAVONA AT SUMMERLIN PHASE 1
(Drawing No. 107Y5023-1, L-Civil No. 56545)

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:

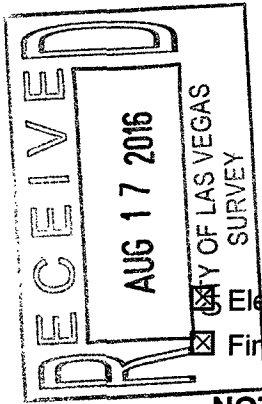
Acceptable: September 12, 2016



Signature

City Surveyor
Title

Public Works/Survey
Department/Division



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: SAVONA @ SUMMERLIN - PHASE 1 **UNIT:** N/A **PHASE:** 1

PROJECT LOCATION: DESERT FOOTHILLS DRIVE & ANTELOPE RIDGE DRIVE

CLV PLAN #: 107Y5023-1 **CLV PROJECT #** 56545 **SHEET NO. (S):** 1

OF MANHOLES 7 **PUB. SEWER/STORM DRAIN LIN. FT.** 520 **# OF PRIVATE LATERALS** 0

DEVELOPER: LENNAR **PHONE:** 702-821-4850 **FAX:** _____

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

CONTRACTOR: WESTERN STATES **PHONE:** 702-644-1117 **FAX:** 702-644-1227

CONTRACTOR'S SUPERVISOR NAME: JOHN ALLRED **MOBILE:** 702-284-9847

DATE OF REQUEST: 7/18/16

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: 9/12/16 **NOT ACCEPTABLE BY CITY SURVEYOR DATE** _____

CLV SURVEYOR'S SIGNATURE: [Signature] **DATE:** 9/12/16

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: _____
(PLEASE PRINT)

SIGNATURE: _____ **DATE:** _____

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
STORM DRAIN
FINAL LOCATION MAP

JOB NUMBER H56545 SD1
PROJECT NAME SAVONA AT SUMMERLIN PHASE 1
WORK AUTH. NO. P28000
SUBMITTED BY Wallace Morris Kline
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE 9/18/16
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 ("Storm Drain 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 – STORM DRAIN FINAL LOCATION MAP

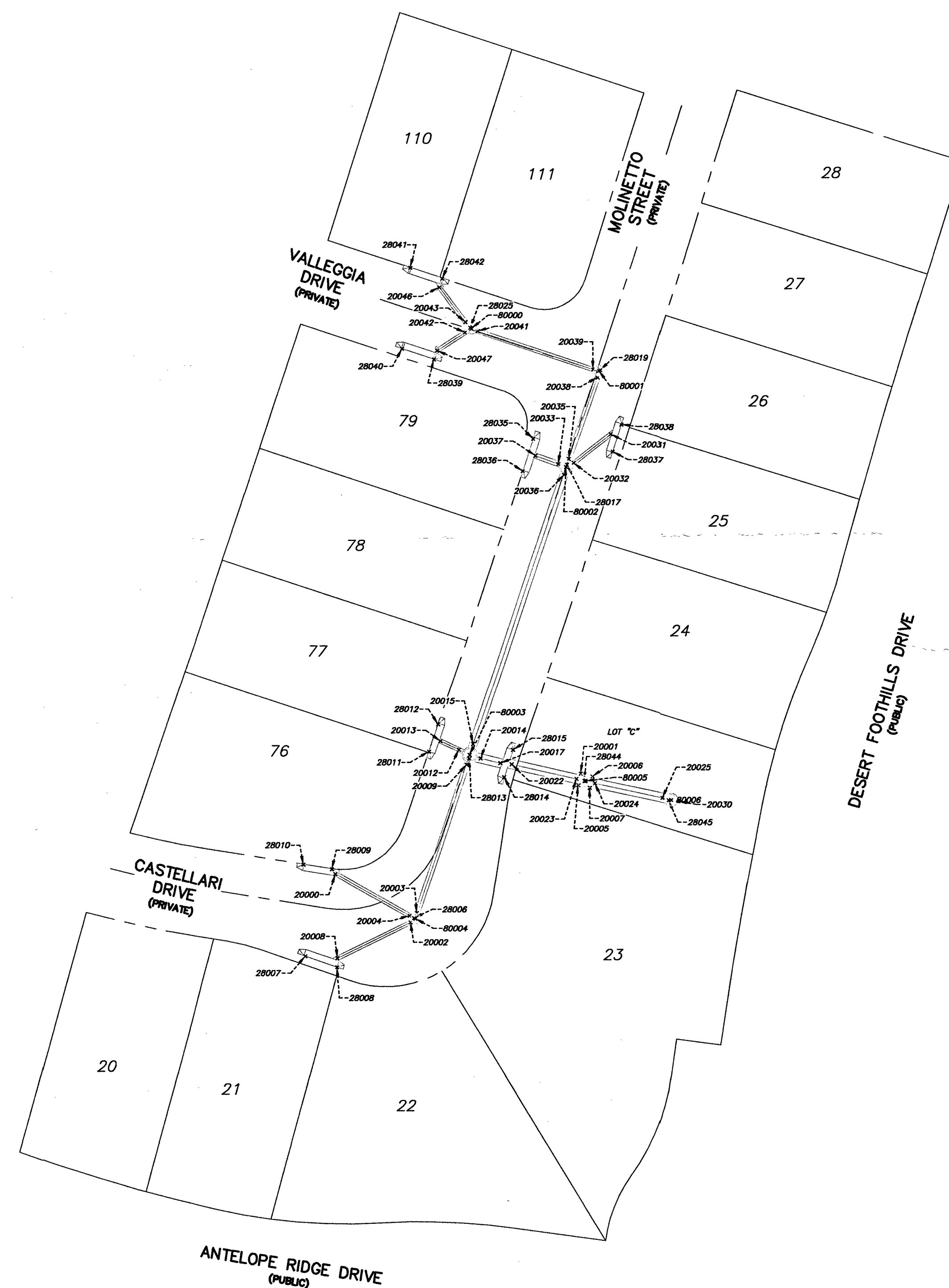
REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
Storm Drain Improvements Data				
*NOTE As of December 1, 2015 manhole cover locations are no longer required.				
Manhole Barrel/Base: (measured horizontally at centerline of barrel/base structure, vertical location does not apply)	☒	☐	☐	
Drop Inlets (measured horizontally at back of curb at each outer extent of box, vertically at top of curb)	☒	☐	☐	
Vaults and Junction Structures (measured horizontally at all outer extents of structure, vertically at top of structure)	☒	☐	☐	
Pipes and RCB's: locate at all connections to other pipes and structures, all horizontal and vertical deflections, points of termination (stubs), point at which pipe/RCB exits the public right-of-way or easement (measured horizontally at centerline of pipe/RCB, vertically at top of pipe/RCB)	☒	☐	☐	
*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

STORM DRAIN FINAL LOCATION MAP FOR IMPROVEMENT PLANS FOR SAVONA @ SUMMERLIN – PHASE 1

A COMMON INTEREST COMMUNITY

BEING A SUBDIVISION OF CC OF SUMMERLIN VILLAGE 23B UNIT NO. 2 ON FILE IN BOOK 145, PAGE 83 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA, LYING WITHIN THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA



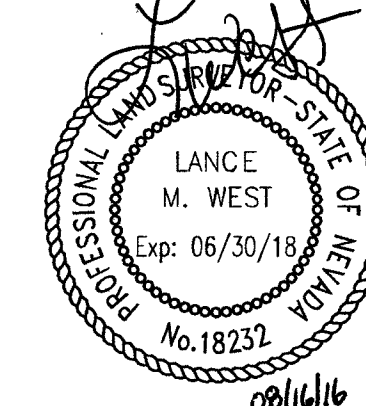
SURVEYOR'S STATEMENT

SURVEY WAS COMPLETED ON AUGUST 11, 2016

1) THE POSITIONAL CERTAINTY FOR THIS SURVEY IS 0.3' HORIZONTAL AND 0.3' VERTICAL BASED ON NAD83(2011), EPOCH 2010.00

2) 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 SYSTEM.

ZONE: NEVADA EAST ZONE (2701)

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

SYSTEM: NEVADA COORDINATE SYSTEM

PROJECTION: TRANSVERSE MERCATOR

ORIGIN LATITUDE: N34°45'00.00000"

ORIGIN LONGITUDE: W115°35'00.00000"

FALSE NORTHING: 26,246,666.667 FEET

FALSE EASTING: 656,166.667 FEET

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

7LV0934SW6A – BEING A RIVET AND PLATE IN THE TOP OF CURB SE CORNER OF DESERT MOON ROAD AND DESERT SUNRISE ROAD

3301.47 US SURVEY FEET
1006.289 METERS

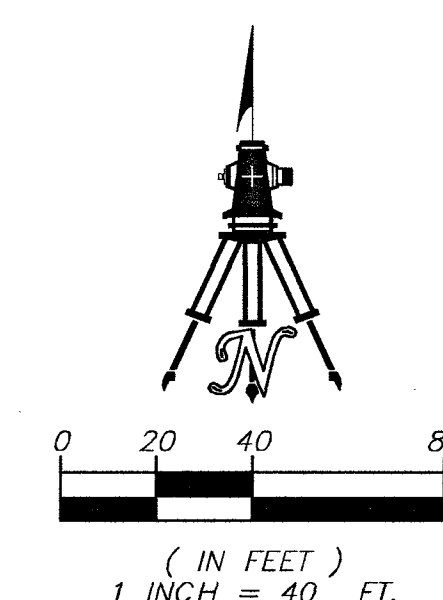
N.A.V.D. 88 DATUM

NOTES

- 1) SEE ELECTRONIC TEXT FILE "SAVONA-PHASE1-PNTS-SD-SP.TXT" FOR COORDINATES.

LEGEND

---	RIGHT-OF-WAY LINE	CL BARREL	SHOT TAKEN @ CENTER OF MANHOLE BARREL
---	STREET CENTERLINE	SD-MH	SHOT TAKEN @ CENTER OF MANHOLE LID
x	POINT LOCATION	DI @ TBC	SHOT TAKEN CORNER OF DI @ TOP BACK OF CURB
23118	POINT NUMBER	PIPE-TOP	SHOT TAKEN ON TOP OF PIPE
21	LOT NUMBER		

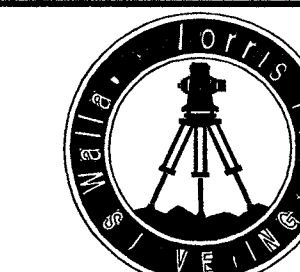


SHEET 1 OF 1

H# 56545
DWG# 107Y5023-1

STORM DRAIN FINAL LOCATION MAP
SAVONA @ SUMMERLIN PHASE 1

A COMMON INTEREST COMMUNITY
BEING A SUBDIVISION OF PARCEL CC OF SUMMERLIN VILLAGE 23B UNIT NO. 2 ON FILE IN BOOK 145, PAGE 83 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA, LYING WITHIN THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 59 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