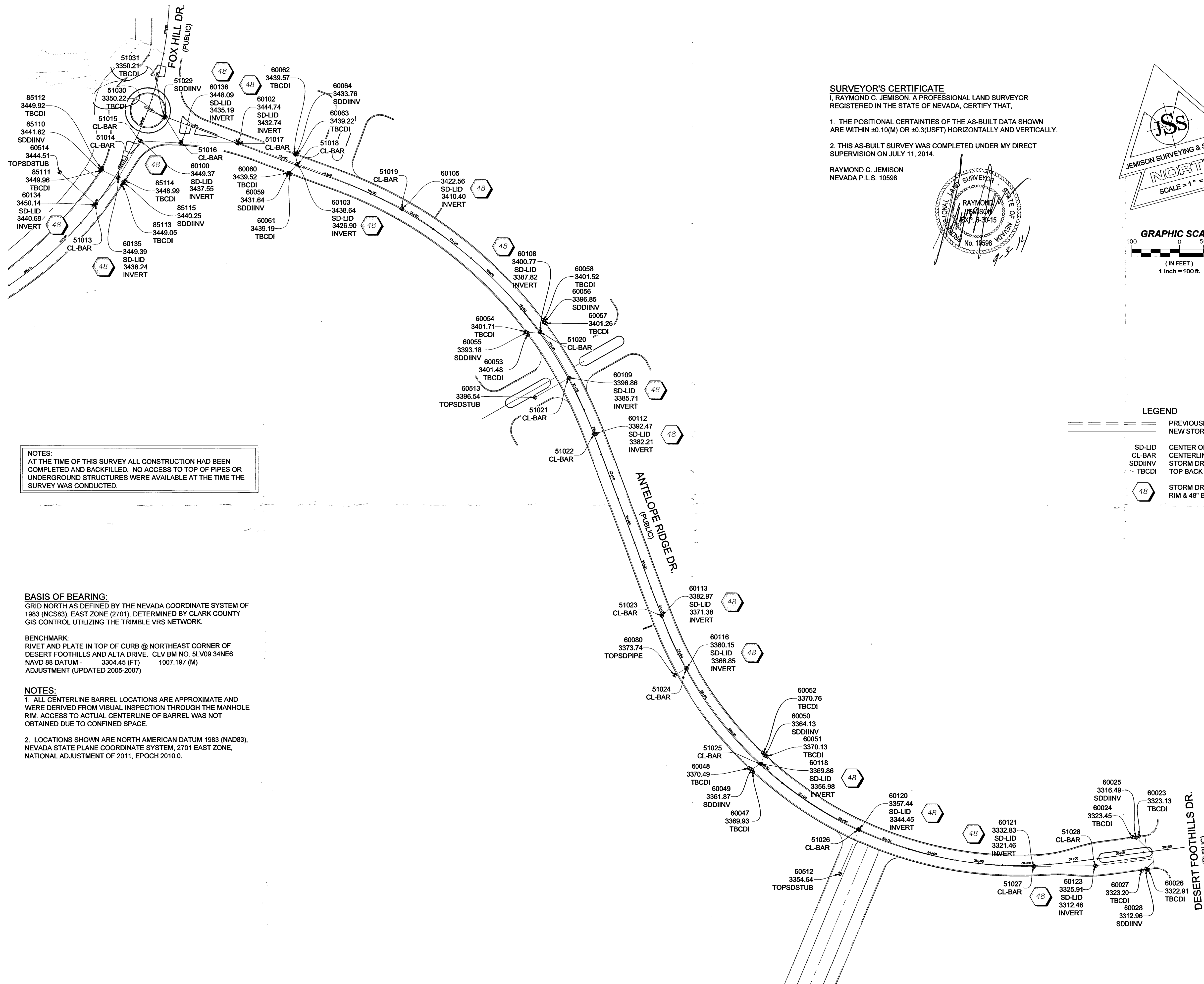




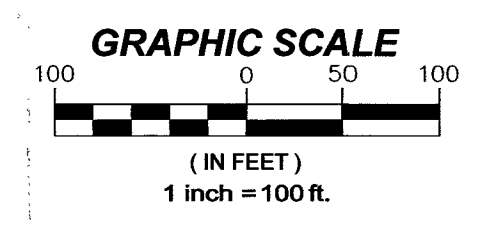
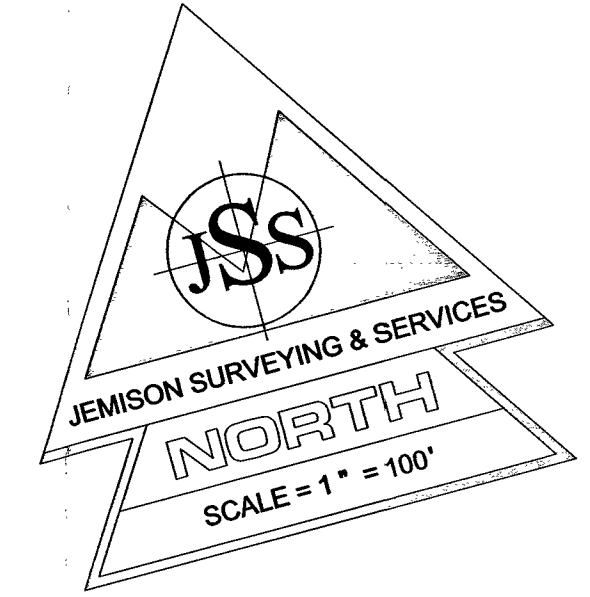
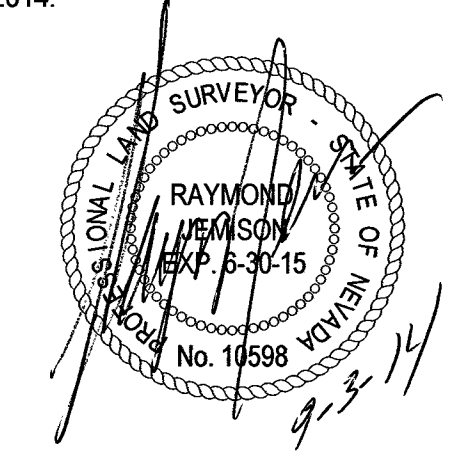
NOTES:
AT THE TIME OF THIS SURVEY ALL CONSTRUCTION HAD BEEN COMPLETED AND BACKFILLED. NO ACCESS TO TOP OF PIPES OR UNDERGROUND STRUCTURES WERE AVAILABLE AT THE TIME THE SURVEY WAS CONDUCTED.

BASIS OF BEARING:
GRID NORTH AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF 1983 (NCS83), EAST ZONE (2701), DETERMINED BY CLARK COUNTY GIS CONTROL UTILIZING THE TRIMBLE VRS NETWORK.

BENCHMARK:
RIVET AND PLATE IN TOP OF CURB @ NORTHEAST CORNER OF DESERT FOOTHILLS AND ALTA DRIVE. CLV BM NO. 5LV09 34NE6
NAVD 88 DATUM - 3304.45 (FT) 1007.197 (M)
ADJUSTMENT (UPDATED 2005-2007)

NOTES:
1. ALL CENTERLINE BARREL LOCATIONS ARE APPROXIMATE AND WERE DERIVED FROM VISUAL INSPECTION THROUGH THE MANHOLE RIM. ACCESS TO ACTUAL CENTERLINE OF BARREL WAS NOT OBTAINED DUE TO CONFINED SPACE.
2. LOCATIONS SHOWN ARE NORTH AMERICAN DATUM 1983 (NAD83), NEVADA STATE PLANE COORDINATE SYSTEM, 2701 EAST ZONE, NATIONAL ADJUSTMENT OF 2011, EPOCH 2010.0.

SURVEYOR'S CERTIFICATE
I, RAYMOND C. JEMISON, A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF NEVADA, CERTIFY THAT,
1. THE POSITIONAL CERTAINTIES OF THE AS-BUILT DATA SHOWN ARE WITHIN ±0.10(M) OR ±0.3(USFT) HORIZONTALLY AND VERTICALLY.
2. THIS AS-BUILT SURVEY WAS COMPLETED UNDER MY DIRECT SUPERVISION ON JULY 11, 2014.
RAYMOND C. JEMISON
NEVADA P.L.S. 10598



- LEGEND**
- PREVIOUSLY EXISTING STORM DRAIN
 - NEW STORM DRAIN LINE
 - SD-LID CENTER OF STORM DRAIN MANHOLE LID
 - CL-BAR CENTERLINE BARREL ± (SEE NOTE 1)
 - SDDIINV STORM DRAIN INVERT @ PIPE
 - TBCDI TOP BACK CURB @ DI
 - 48 STORM DRAIN MANHOLE WITH 24" OFFSET RIM & 48" BARREL

H47654-SD1

VILLAGE 23B
ANTELOPE RIDGE DRIVE
IMPROVEMENTS
FOX HILL DR. TO DESERT
FOOTHILLS DR.
H# 47654
CLV# 107V5925

JSS JEMISON SURVEYING & SERVICES	
DATE:	
JEMISON SURVEYING & SERVICES 2690 CRIMSON CANYON DRIVE LAS VEGAS, NEVADA, 89128 702-360-4838 f. 702-360-4839	
JSS JEMISON SURVEYING & SERVICES	
JOB TITLE V23B ANTELOPE RIDGE STORM DRAIN FINAL LOCATION MAP	
DATE 07-29-2014	
JOB NO. 500-140404	
SHEET 1 OF 1	

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: Chris Knight, Director
Building and Safety Department

From: Alan R. Riecki, PLS
City Surveyor

C: Raymond Jemison, PLS
Jemison Surveying Services
Oh-Sang Kwon, P.E., Engineering Project Manager
Flood Control Section, Engineering Planning

Date: September 18, 2014

Re: Storm Drain Final Location Map
Village 23B Antelope Ridge Drive Improvements
(Drawing No. 107V5925, L-Civil No. 47654)

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: 9/18/2014



Signature

City Surveyor

Title

Public Works/Survey

Department/Division

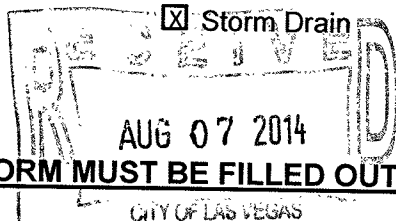
ARR/OS:sk

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) 393-1051

DEVELOPER'S SUBMITTAL OF GPS COORDINATES

- ☐ Sewer
☒ Electronic Comma Delineated File
☒ Final Location Map (2)



AUG 05 2014
City of Las Vegas
Land Development

NOTE: THE TOP PART OF THIS FORM MUST BE FILLED OUT IN ITS ENTIRETY

PROJECT NAME: Village 23B Antelope Ridge Drive Improvements SURVEY UNIT: _____ PHASE: _____
PROJECT LOCATION: Antelope Ridge Drive / Summerlin
CLV PLAN #: 107V5925 CLV PROJECT # H#47654 SHEET NO. (S): 14 thru 23
OF MANHOLES 16 PUB. SEWER/STORM DRAIN LIN. FT. 3630 # OF PRIVATE LATERALS 4
DEVELOPER: Howard Hughes Corporation PHONE: _____ FAX: 702-291-4450
SURVEY CO.: Jemison Surveying & Services PHONE: 702-360-4838 FAX: 702-360-4839
CONTRACTOR: Contri Construction Company PHONE: 702-458-6004 FAX: 702-458-7746
CONTRACTOR'S SUPERVISOR NAME: Tommy Caviglia MOBILE: 702-289-3375
DATE OF REQUEST: 7/31/14

THIS SEWER HAS BEEN SURVEYED BY NEVADA LICENSED LAND SURVEYOR:

Company Name Jemison Surveying Services Surveyor Name Raymond Jemison
License # 10598 License exp. Date: 6/30/15

CITY USE ONLY

DATE SR. INSPECTOR RECEIVED: 8/7/14 SR. INSPECTOR INITIALS: [Signature]

DATE RECEIVED FROM SR. INSPECTOR AND SENT TO CITY SURVEYOR: _____

ACCEPTABLE BY CITY SURVEYOR DATE: 9/18/14 NOT ACCEPTABLE BY CITY SURVEYOR DATE 8/18/14

CLV SURVEYOR'S SIGNATURE: [Signature] DATE: 9-18-14

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:

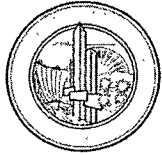
RECEIVED BY: _____
(PLEASE PRINT)

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 47654-SD2
PROJECT NAME SV29B ANTELOPE RIDGE DR IMP
WORK AUTH. NO. P28000
SUBMITTED BY JS+S
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE 9/18/14
REVIEWED BY O. 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				
Manhole Lids: (measured horizontally at centerline of lid, vertically at rim; specify diameter of lid)	☒	☐	☐	
*NOTE In the case of a two-piece lid system locate outer lid only (specify diameter of outer lid).				
Manhole Barrel: (measured horizontally at centerline of barrel 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, points of termination (stubs), point at which pipe 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	☒	☐	☐	
*NOTE Coordinates provided must be accurate to within ± 0.5 feet (6 inches) horizontally and vertically.				
Coordinate accuracy QA/QC (when available)	☐	☐	☒	

ADDITIONAL COMMENTS