

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: Trent J. Keenan, PLS
Diamondback Land Surveying

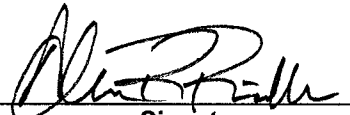
Tim Parks, P.E., Engineering Project Manager
Sanitary Sewers Section, Engineering Planning

Date: December 10, 2018

Re: Sanitary Sewer Final Location Map
FREMONT & 9TH
(Drawing No. 107V6576, L-Civil No. 61194)

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: December 6, 2018



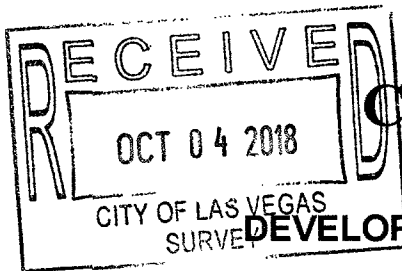
Signature

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) 631-3000

DEVELOPER'S SUBMITTAL OF LOCATION COORDINATES

- ☒ Sewer ☐ Storm Drain
☒ Electronic Comma Delineated File
☒ Final Location Map (2 copies each for either sewer OR storm drain)

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

PROJECT NAME: FREMONT & 9TH APARTMENTS UNIT: PHASE:
PROJECT LOCATION: SWC. OF 9TH ST & FREMONT ST.
CLV PLAN #: 107V6576 CLV PROJECT # 123905 61194 SHEET NO. (S): 5
OF MANHOLES 4 PUB. SEWER/STORM DRAIN LIN. FT. 371.3' # OF PRIVATE LATERALS 4
DEVELOPER: 901 FREMONT DEV. PARTNERS L.P. PHONE: FAX:
SURVEY CO.: DIAMOND BACK LAND SURVEYING PHONE: 702-823-8257 FAX: 702-933-9030
CONTRACTOR: WATKINS CO. PHONE: 702-226-9551 FAX: 702-226-5852
CONTRACTOR'S SUPERVISOR NAME: JOHN TRACY MOBILE: 702-521-6054
DATE OF REQUEST: 9/26/18

**SUBMIT DIRECTLY TO THE OFFICE OF THE CITY
SURVEYOR LOCATED ON THE 8th FLOOR OF THE
DSC / 333 N Rancho, 89106**

Please get a stamped copy of this form for your records.

CITY USE ONLY

DATE AND INITIALS / RECEIVED BY THE CITY SURVEYOR

ACCEPTABLE BY CITY SURVEYOR DATE: 12-10-18 NOT ACCEPTABLE BY CITY SURVEYOR DATE

CLV SURVEYOR'S SIGNATURE: DATE: 12-10-18

THE CITY OF LAS VEGAS RECOMMENDS THAT ALL DEFICIENCIES NOTED ON THE ATTACHED SURVEY REPORT BE CORRECTED PRIOR TO THE FINAL ACCEPTANCE.

Notes:

ROUTING:

- > Once "ACCEPTABLE"; SURVEY to forward a copy of this form to O.I.T. for the file.
- > Final Location Maps to be forwarded to and retained by Flood Control or Sanitation Engineer respectively.



City of Las Vegas
Department of Public Works
Survey Section

REVIEW CHECKLIST
SANITARY SEWER
FINAL LOCATION MAP

JOB NUMBER L-61194 SS3
PROJECT NAME FREMONT & 9TH
WORK AUTH. NO. P28000
SUBMITTED BY Diamondback Land Surveying (Trent J. Keenan)
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE 12/6/18
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

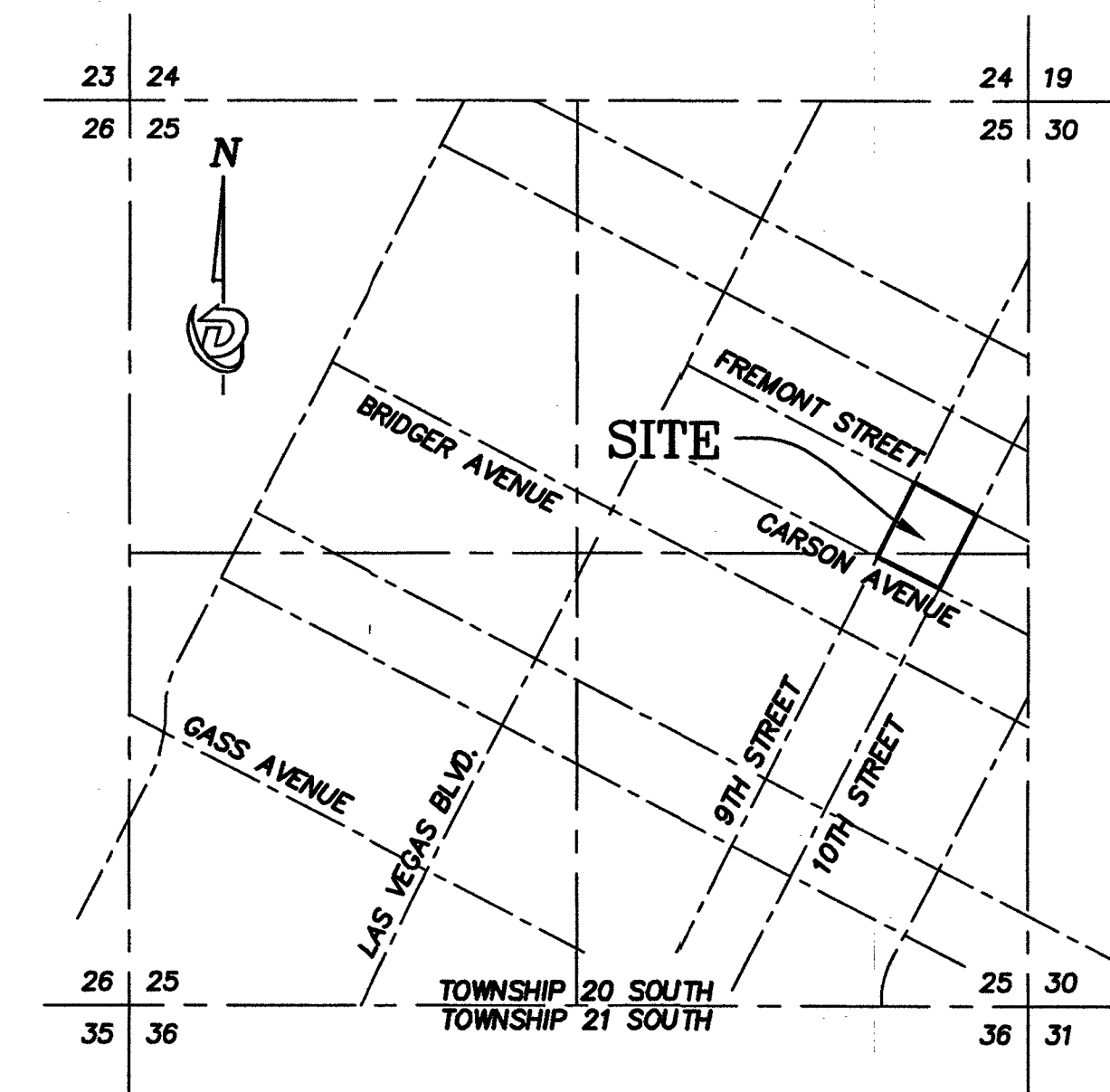
REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
Submittal Contents				
Two bond copies (no mylar)	☒	☐	☐	
Electronic media containing comma-separated coordinate file	☒	☐	☐	
General Map Contents				
Sheet size 24" x 36"	☐	☐	☐	
Sheet number and number of sheets	☐	☐	☐	
North arrow (pointing up, left or right)	☐	☐	☐	
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

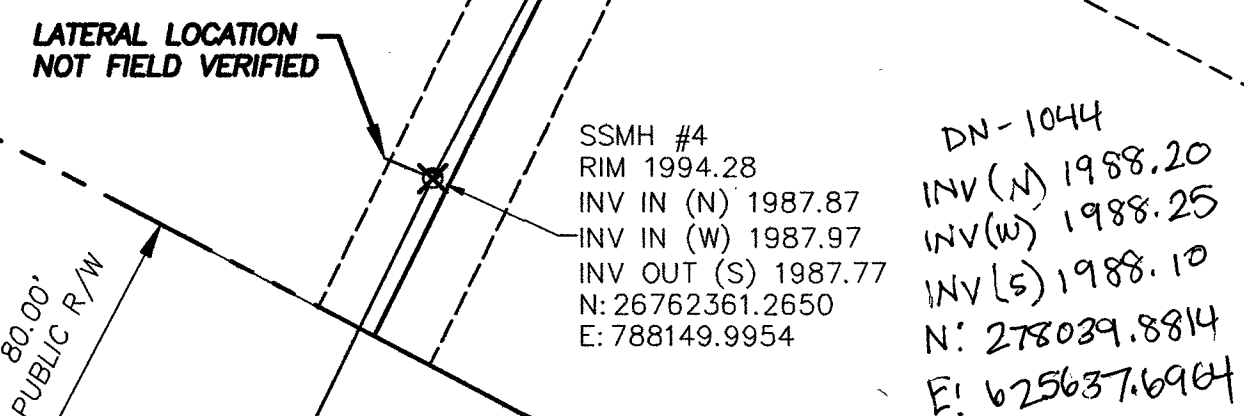
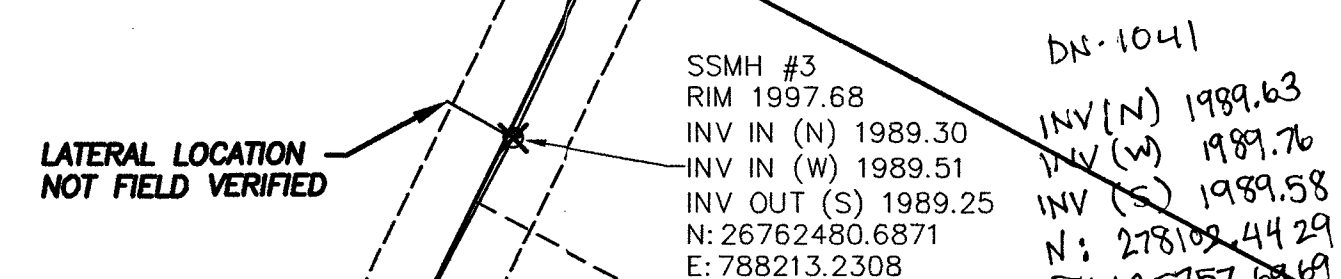
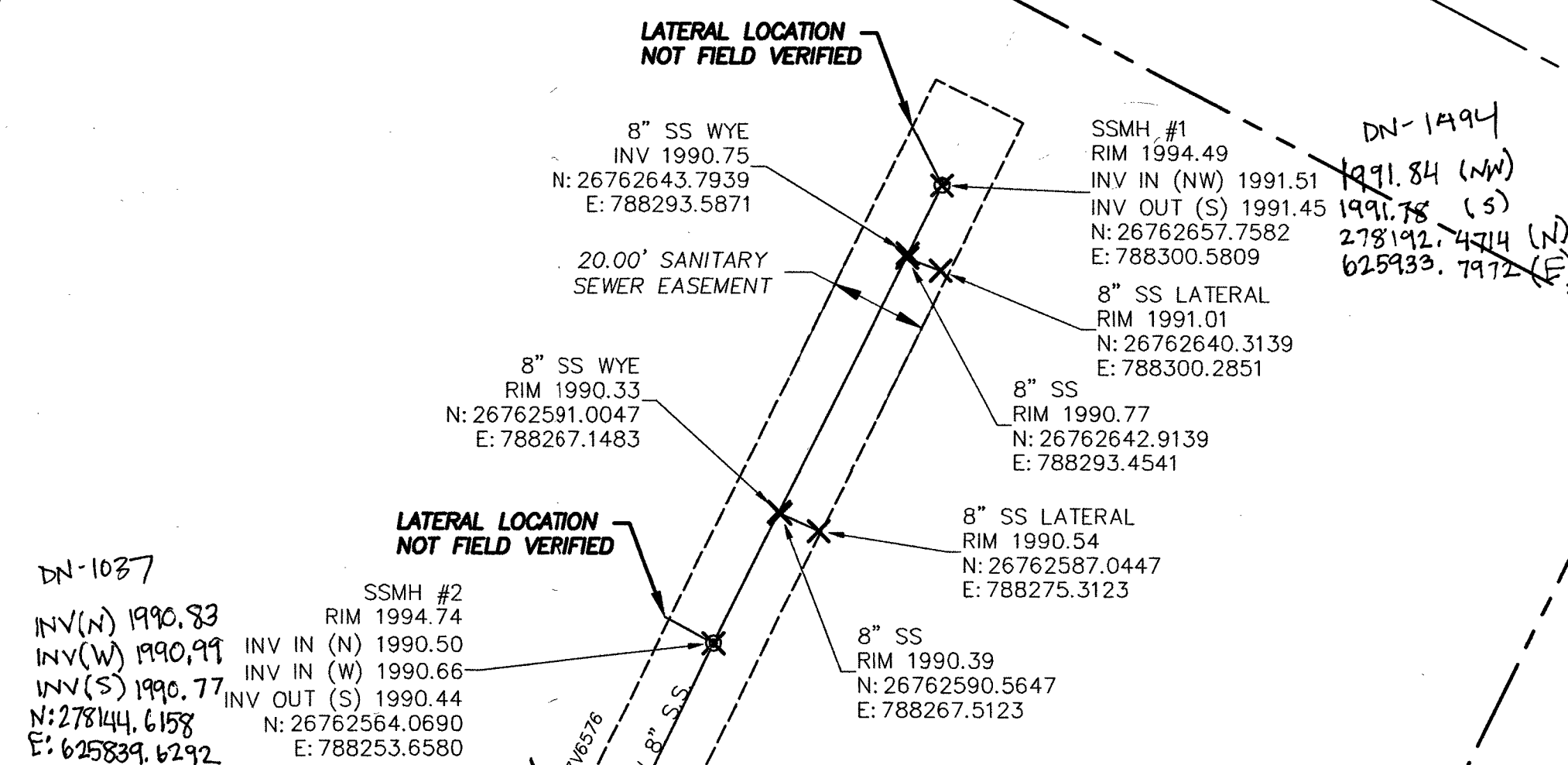
REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
Sanitary Sewer Improvements Data				
*NOTE As of December 1, 2015 manhole cover locations are no longer required.				
Manhole Barrel/Base: (measured horizontally at centerline of structure barrel/base, vertical location does not apply)	☐	☒	☐	<i>CLV Barrel locations to be used.</i>
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 FREMONT & 9TH STREET SEPTEMBER 2018



VICINITY MAP
SECTION 34, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CLARK COUNTY, NEVADA
NOT TO SCALE



Point Table				
Point #	Elevation	Northing	Easting	Description
60005	1994.04	26762262.76	788101.69	EXISTING SSMH
60006	1994.28	26762361.26	788150.00	SSMH #4
60007	1997.68	26762480.69	788213.23	SSMH #3
60008	1994.74	26762564.07	788253.66	SSMH #2
60009	1994.49	26762657.76	788300.58	SSMH #1
1832560100	1990.33	26762591.00	788267.15	8" SS WYE
1832560101	1990.39	26762590.56	788267.51	8" SS
1832560102	1990.54	26762587.04	788275.31	8" SS LATERAL
1832560103	1990.75	26762643.79	788293.59	8" SS WYE
1832560104	1990.77	26762642.91	788293.45	8" SS
1832560105	1991.01	26762640.31	788300.29	8" SS LATERAL

POSITIONAL CERTAINITIES:

HORIZONTAL POSITIONAL CERTAINTY	VERTICAL POSITIONAL CERTAINTY
±0.3 ft	±0.3 ft

BASIS OF BEARINGS:

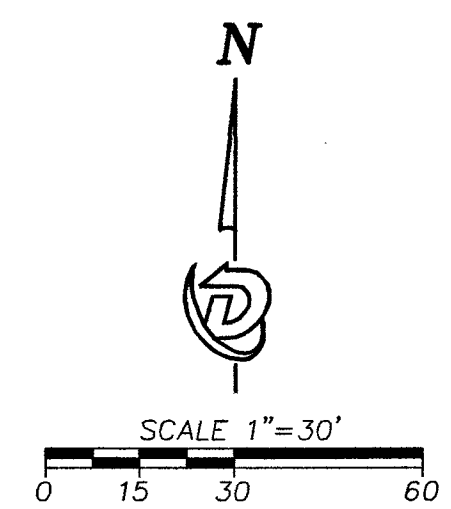
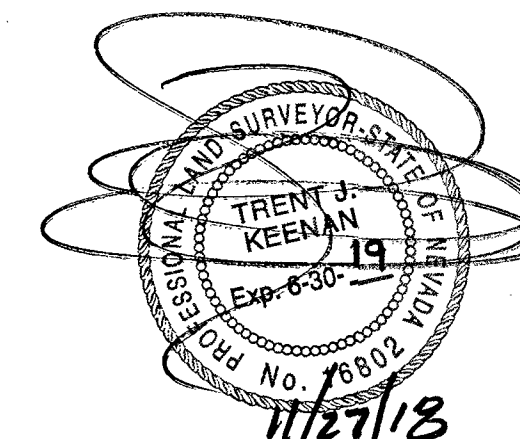
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE SYSTEM OF 1983, EAST ZONE (2701) NAD 83 (2011) EPOCH 2010.0; SAID MERIDIAN COINCIDENT WITH 115°35' WEST OF GREENWICH MERIDIAN

BENCHMARK

CITY OF LAS VEGAS STATION "CHAS 5" RIVET AND TOP OF PLATE IN TOP OF CURB AT THE NORTHEAST CORNER OF LAS VEGAS BOULEVARD AND CHARLESTON BOULEVARD.

ELEVATION: 2019.57 (FEET)
615.566 (METERS)

CITY OF LAS VEGAS VERTICAL CONTROL BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).



DIAMONDBACK LAND SURVEYING LLC.
TRENT J. KEENAN
NEVADA CERTIFICATE NO. 16802
DATE OF MAP: NOVEMBER 27, 2018
SURVEY COMPLETED ON NOVEMBER 23, 2018

HANSEN #61194
CLV PLAN #107V6576

5508 S. FORT APACHE ROAD, SUITE 110
LAS VEGAS, NEVADA 89148
(702) 833-0030
www.diamondbacklandsurveying.com

REVISIONS

REV	DATE	DESCRIPTION

BEING A PORTION OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 36 & A PORTION OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 37, TOWNSHIP 20 SOUTH, RANGE 61 WEST, M.D.M., CLARK COUNTY, NEVADA

SANITARY SEWER FINAL LOCATION MAP
FREMONT & 9TH APARTMENTS
121 S. 9TH STREET

DATE: 09/27/18
DRAWN BY: RJM
CHECKED BY: -
JOB NO. 160351

1
SHEET
OF 1 SHEETS