

**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 8<sup>th</sup> 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 |
|--------------------------------------------------------------------|-------------------------------------|--------------------------|--------------------------|----------|
| <b>Submittal Contents</b>                                          |                                     |                          |                          |          |
| Two bond copies (no mylar)                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Electronic media containing comma-separated coordinate file        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          |
| <b>General Map Contents</b>                                        |                                     |                          |                          |          |
| Sheet size 24" x 36"                                               | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Sheet number and number of sheets                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| North arrow (pointing up, left or right)                           | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Scale (written & graphic, correctly shown, appropriate scale used) | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Lettering legibility (minimum text size 0.08")                     | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Map title shown ("Sanitary Sewer Final Location Map")              | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| CLV project name shown                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| CLV Hansen No. shown                                               | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| CLV Drawing No. shown                                              | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Preparer's company name and contact information shown              | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Legend (all linetypes and symbols defined)                         | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Non-standard abbreviations defined                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Distances, coordinates and elevations labeled using decimal feet   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Approximate limits of streets shown (improvements or right-of-way) | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |
| Street names labeled (identified as public or private)             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |          |

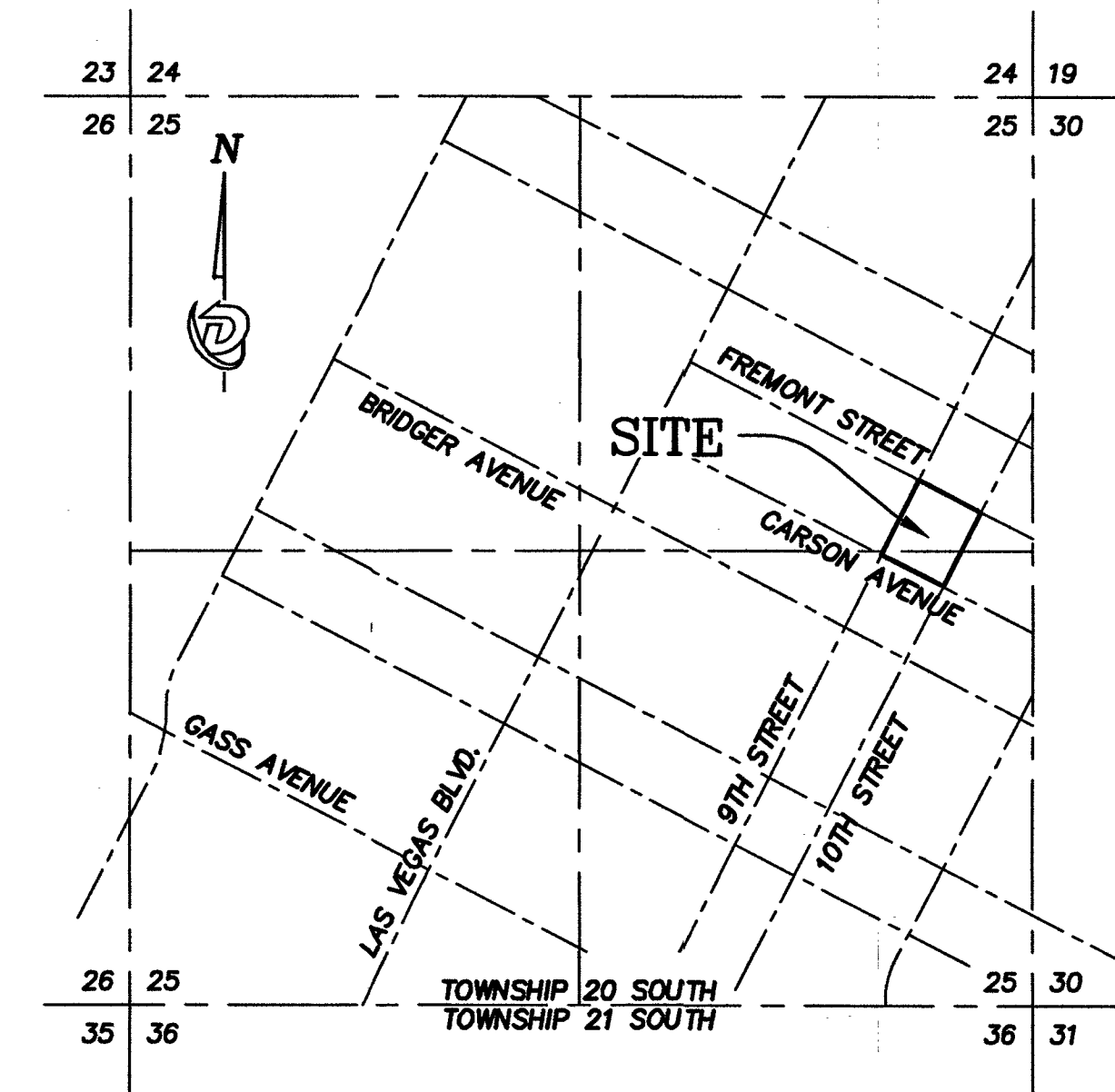
## REVIEW CHECKLIST – SANITARY SEWER FINAL LOCATION MAP

| REVIEW ITEM                                                                                                                                                                                                                                                                                                                                                            | OK                                  | SEE<br>R/L                          | N/A                                 | COMMENTS                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-----------------------------------------|
| <b>Sanitary Sewer Improvements Data</b>                                                                                                                                                                                                                                                                                                                                |                                     |                                     |                                     |                                         |
| <b>*NOTE</b><br>As of December 1, 2015 <b>manhole cover locations</b> are no longer required.                                                                                                                                                                                                                                                                          |                                     |                                     |                                     |                                         |
| Manhole Barrel/Base: (measured horizontally at centerline of structure barrel/base, vertical location does not apply)                                                                                                                                                                                                                                                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <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)                                                                                                                                                                                                                                              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                         |
| 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)                                                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                                         |
| <b>*NOTE</b><br>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.                                                                                                                                    |                                     |                                     |                                     |                                         |
| <b>Coordinate Information</b>                                                                                                                                                                                                                                                                                                                                          |                                     |                                     |                                     |                                         |
| Data acquisition completion date indicated                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |                                         |
| Coordinate system indicated (only CLV approved coordinate systems are to be used)                                                                                                                                                                                                                                                                                      | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |                                         |
| Horizontal datum, datum adjustment, and epoch date indicated (only CLV approved datums are to be used)                                                                                                                                                                                                                                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |                                         |
| Benchmark ID, description, elevation indicated                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |                                         |
| Statement of positional accuracy per the tolerances indicated below                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |                                         |
| <b>*NOTE</b><br>For all projects with improvement plans approved <b>prior to March 1, 2015</b> coordinates provided must be accurate to within <b>±0.5 feet</b> horizontally and vertically. For all projects with improvement plans approved <b>after March 1, 2015</b> coordinates provided must be accurate to within <b>±0.3 feet</b> horizontally and vertically. |                                     |                                     |                                     |                                         |
| Coordinate accuracy QA/QC (when available)                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |                                         |

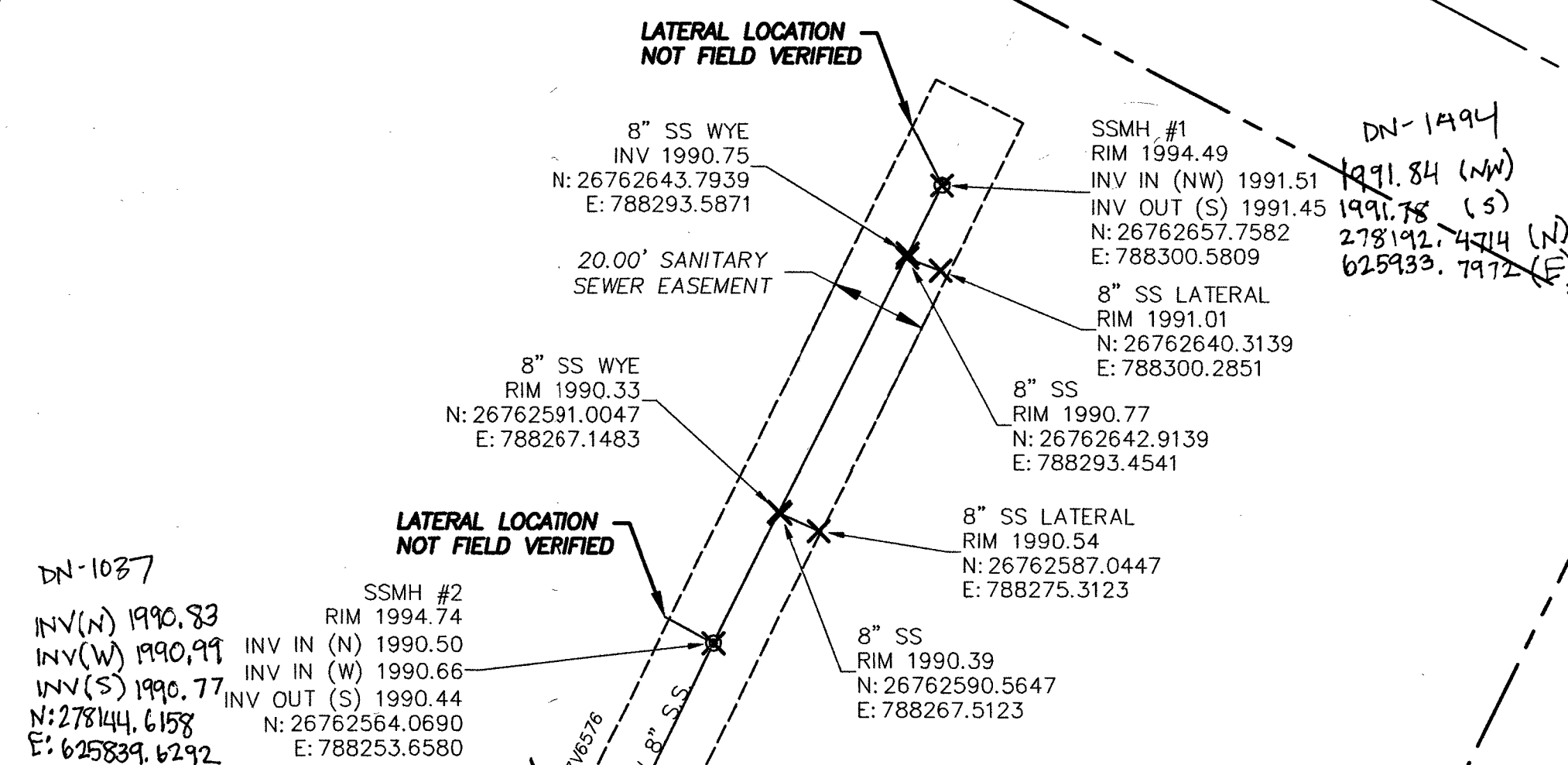
| ADDITIONAL COMMENTS |
|---------------------|
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# SANITARY SEWER FINAL LOCATION MAP FOR FREMONT & 9TH STREET SEPTEMBER 2018



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



## 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

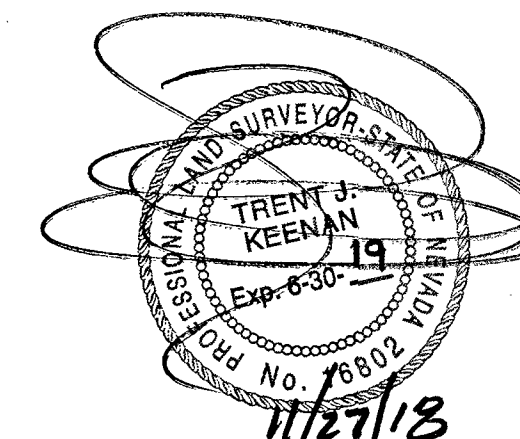
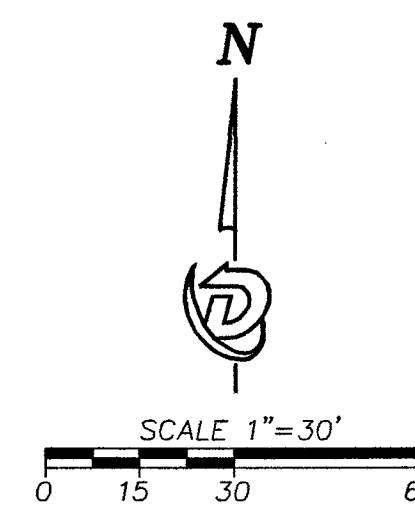
## BENCHMARK

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).

| 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 |



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

**Diamondback**  
Land Surveying

| REV | DATE |
|-----|------|
|     |      |
|     |      |
|     |      |
|     |      |

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