

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: Ross J. Doyle, PLS
Tri-Core Surveying

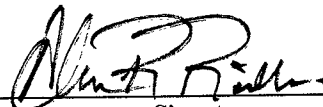
Tim Parks, P.E., Engineering Project Manager
Sanitary Sewers Section, Engineering Planning

Date: March 13, 2019

Re: Sanitary Sewer Final Location Map
SEWER - DESERT TRACE
(Drawing No. ~~107-11128~~, L-Civil No. L17-01189)
307V1140

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: March 13, 2019



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: Desert Trace UNIT: PHASE:
PROJECT LOCATION: Alexander Road & Jensen Street, in Las Vegas
CLV PLAN #: 307V1140 CLV PROJECT # L-17-40242 01189 SHEET NO. (S): 8,9,14 of 26
OF MANHOLES 3 PUB. SEWER/STORM DRAIN LIN. FT. # OF PRIVATE LATERALS

DEVELOPER: Pinnacle Homes PHONE: 702-228-0720 FAX:
SURVEY CO.: Tri-Core Surveying PHONE: 702-821-1554 FAX: 702-870-4378
CONTRACTOR: Mammoth Underground PHONE: 702-248-6662 FAX:
CONTRACTOR'S SUPERVISOR NAME: Oliverio Mares MOBILE: 702-303-9259
DATE OF REQUEST: February 19, 2019

**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: 3/13/19 NOT ACCEPTABLE BY CITY SURVEYOR DATE

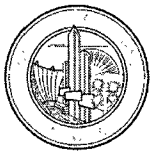
CLV SURVEYOR'S SIGNATURE: *Al R. Bill* DATE: 3-13-19

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 L17-01189 SS1
PROJECT NAME SEWER - DESERT TRACE
WORK AUTH. NO. P28000
SUBMITTED BY TRI-CORE SURVEYING (ROSS J. DOYLE)
PROJECT TYPE CIP ☐ Land Dev ☐ Street Rehab ☐
DATE 3-12-19
REVIEWED BY LEN BURNS

REVIEW DETERMINATION

- ☒ Approved
☐ Not Acceptable

TO BE RE-SUBMITTED

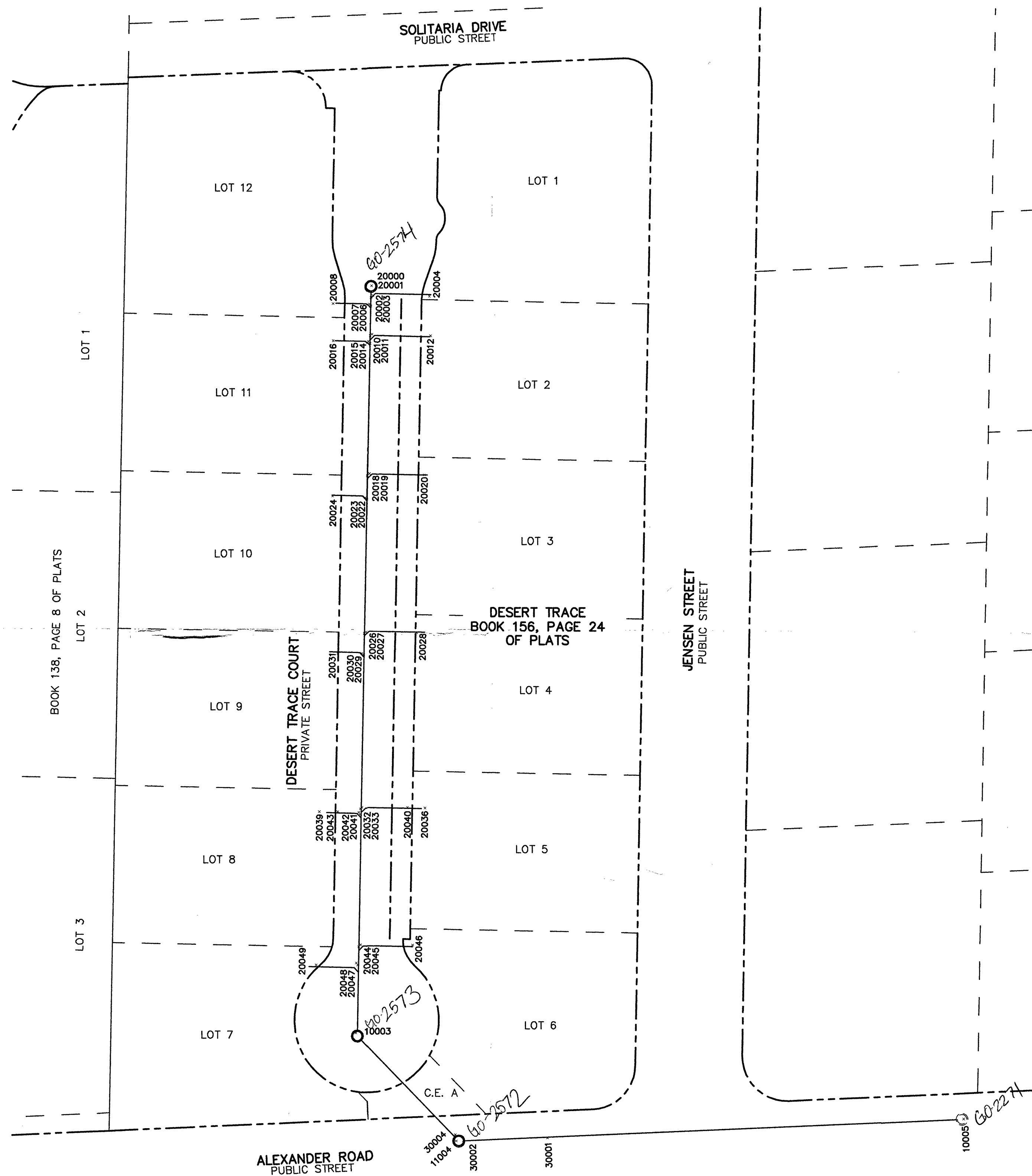
- ☐ Two bond copies (no mylar)
☐ Electronic media with comma-separated coordinate file

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	☒	☒	☐	CHANGE TO L17-01189
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)	☒	☐	☐	

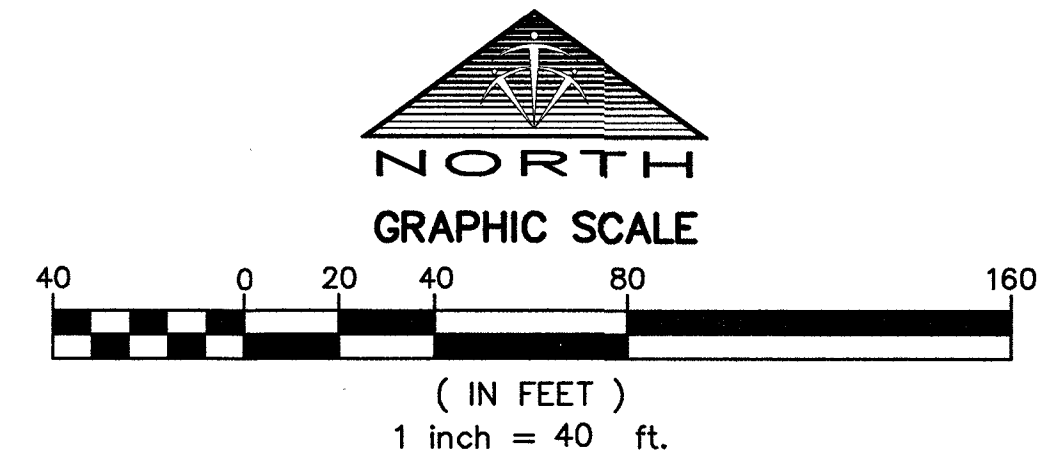
REVIEW CHECKLIST – SANITARY SEWER FINAL LOCATION MAP

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)	☒	☐	☐	
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



POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
10003	26786744.52	736974.57	2601.25	INV @ CL BARREL
10005	26786697.63	737316.01	2592.94	INV @ CL BARREL
11004	26786684.07	737030.95	2624.15	CL BARREL
20000	26787162.19	736981.75	2604.96	CL BARREL
20001	26787159.05	736981.64	2605.57	TOP 8" PVC MAIN OUT
20002	26787155.61	736981.44	2605.54	TOP 8" PVC MAIN
20003	26787156.62	736982.66	2605.59	TOP 4" PVC LATERAL
20004	26787156.44	737014.19	2605.74	TOP 4" PVC LATERAL
20006	26787150.79	736981.40	2605.48	TOP 8" PVC MAIN
20007	26787151.91	736980.46	2605.59	TOP 4" PVC LATERAL
20008	26787152.34	736960.30	2606.34	TOP 4" PVC LATERAL
20010	26787134.20	736981.10	2605.36	TOP 8" PVC MAIN
20011	26787135.05	736982.07	2605.41	TOP 4" PVC LATERAL
20012	26787134.32	737015.02	2606.59	TOP 4" PVC LATERAL
20014	26787129.95	736981.01	2605.31	TOP 8" PVC MAIN
20015	26787131.04	736980.06	2605.42	TOP 4" PVC LATERAL
20016	26787131.60	736960.44	2606.13	TOP 4" PVC LATERAL
20018	26787056.26	736979.87	2604.78	TOP 8" PVC MAIN
20019	26787057.30	736980.96	2604.91	TOP 4" PVC LATERAL
20020	26787056.69	737011.78	2606.54	TOP 4" PVC LATERAL
20022	26787043.00	736979.72	2604.67	TOP 8" PVC MAIN
20023	26787044.08	736978.77	2604.83	TOP 4" PVC LATERAL
20024	26787044.95	736960.44	2606.39	TOP 4" PVC LATERAL
20026	26786967.87	736978.52	2604.06	TOP 8" PVC MAIN
20027	26786968.77	736979.53	2604.11	TOP 4" PVC LATERAL
20028	26786968.28	737007.81	2605.89	TOP 4" PVC LATERAL
20029	26786955.77	736978.32	2604.00	TOP 8" PVC MAIN
20030	26786956.62	736977.15	2604.27	TOP 4" PVC LATERAL
20031	26786956.55	736963.75	2605.18	TOP 4" PVC LATERAL
20032	26786869.96	736976.63	2603.34	TOP 8" PVC MAIN
20033	26786870.77	736977.58	2603.48	TOP 4" PVC LATERAL
20036	26786870.17	737012.82	2616.34	TOP 4" PVC LATERAL
20039	26786868.28	736953.68	2616.84	TOP 4" PVC LATERAL
20040	26786870.40	737003.05	2604.08	TOP 4" PVC LATERAL
20041	26786866.78	736976.38	2603.26	TOP 8" PVC MAIN
20042	26786867.96	736975.79	2603.42	TOP 4" PVC LATERAL
20043	26786868.32	736964.02	2604.34	TOP 4" PVC LATERAL
20044	26786792.77	736975.93	2602.63	TOP 8" PVC MAIN
20045	26786793.80	736977.06	2602.97	TOP 4" PVC LATERAL
20046	26786793.60	737006.16	2605.75	TOP 4" PVC LATERAL
20047	26786782.62	736975.45	2602.58	TOP 8" PVC MAIN
20048	26786783.77	736974.61	2602.83	TOP 4" PVC LATERAL
20049	26786782.59	736952.20	2605.80	TOP 4" PVC LATERAL
30001	26786686.00	737082.55	2599.74	TOP 8" PVC MAIN
30002	26786683.22	737034.89	2600.99	TOP 8" PVC MAIN OUT
30004	26786687.63	737030.39	2601.12	TOP 8" PVC MAIN IN



LEGEND	
---	LOT LINE / ASSESSOR'S PARCEL LINE
---	RIGHT-OF-WAY LINE
---	DESIGN SEWER LINE
---	EXISTING SEWER LINE
○	DESIGN SEWER MANHOLE
○	EXISTING SEWER MANHOLE
5100	AS-BUILT POINT NUMBER
APN	ASSESSOR'S PARCEL NUMBER
OR:	OFFICIAL RECORDS, CLARK COUNTY

HORIZONTAL DATUM

HORIZONTAL DATUM SHOWN HEREON IS BASED UPON NORTH AMERICAN DATUM OF 1983 (NAD 83 (2011) EPOCH 2010.00 REALIZATION), NEVADA STATE PLANE COORDINATE SYSTEM EAST ZONE (2701).

BENCHMARK

CITY OF LAS VEGAS BENCHMARK: 9LV007N4

RIVET AND JPLATE IN TOP OF CURB AT SOUTHEAST CORNER OF ALEXANDER RD. AND GRAND CANYON DR. NEAR PC OF GRAND CANYON DR.

ELEVATION: 2601.23 (U.S. SURVEY FEET)
792.858 (METERS)

BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88), CITY OF LAS VEGAS 2008 ADJUSTMENT

NOTES

1. THE PURPOSE OF THIS SURVEY IS TO PROVIDE AS-BUILT INFORMATION FOR THE SANITARY SEWER FACILITIES SHOWN ON THE IMPROVEMENT PLANS "DESERT TRACE", SITUATE IN THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AND THE SURVEY WAS COMPLETED ON FEBRUARY 20, 2019.

THE POSITIONAL CERTAINTY OF THE AS-BUILT INFORMATION SHOWN HEREON IS WITHIN +/- 0.3' HORIZONTALLY AND VERTICALLY.
2. TRI-CORE SURVEYING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FOR THE CONVENIENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY TRI-CORE SURVEYING IN WRITING IMMEDIATELY.

DATE	APP'D
2/26/2019	
PM	INK
RD	
DESIGNED BY	INK
CHECKED BY	INK
ADA CHECKED	
JOB NO.	31618.0001
SCALE	1"=40'
NOL. DESCRIPTION	
NO.	

TRI-CORE SURVEYING, LLC
LAND SURVEYING · CONSTRUCTION STAKING
BOUNDARY & TOPOGRAPHIC SURVEYS
6761 WEST CHARLESTON BLVD.
LAS VEGAS, NEVADA 89146
TEL (702) 821-1554 FAX (702) 870-4378

PINNACLE HOMES
DESERT TRACE
SANITARY SEWER FINAL LOCATION MAP

