

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: 1C90 30S6
 RIVET AND SQUARE ALUMINUM PLATE IN TRANSFORMER PAD 150' +/- NW OF PI OF EL CAMPO GRANDE AVE. & GRAND CANYON DR.
 ELEVATION: 2655.30 (U.S. SURVEY FEET)
 809.338 (METERS)

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

NOTES
 THE PURPOSE OF THIS SURVEY IS TO PROVIDE AS-BUILT INFORMATION FOR THE SANITARY SEWER FACILITIES IN THE IMPROVEMENT PLANS FOR "ELK RIDGE ESTATES II & III", SITUATE IN THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 30, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AND THE SURVEY WAS COMPLETED ON APRIL 26, 2018.

THE POSITIONAL CERTAINTY OF THE AS-BUILT INFORMATION SHOWN HEREON IS WITHIN +/- 0.3' HORIZONTALLY AND VERTICALLY.

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.

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
5001	26800007.27	737687.48	2657.34	TOP 12" PVC MAIN OUT @ CONCRETE ENCASUREMENT
5002	26800007.78	737682.06	2656.78	SSMH CL BARREL
5003	26800007.32	737677.31	2657.64	TOP 12" PVC MAIN IN @ CONCRETE ENCASUREMENT
5004	26800012.14	737678.32	2657.58	TOP 8" PVC MAIN IN @ CONCRETE ENCASUREMENT
5005	26800018.71	737672.92	2657.72	TOP 8" PVC MAIN OUT
5006	26800021.62	737669.61	2657.23	SSMH CL BARREL
5007	26800022.14	737666.02	2658.01	TOP 8" PVC MAIN IN
5008	26800021.45	737263.85	2659.63	TOP 8" PVC MAIN OUT
5009	26800021.08	737260.13	2659.09	SSMH CL BARREL
5010	26800017.21	737259.91	2659.86	TOP 8" PVC MAIN IN
5200	26800006.85	737246.87	2670.40	INV @ SSMH CL BARREL
5201	26800006.23	737004.01	2677.44	INV @ SSMH CL BARREL
5202	26799014.94	737243.55	2666.47	TOP 8" PVC MAIN @ STUB
9000	26799786.85	737247.10	2661.51	TOP 8" PVC MAIN
9001	26799800.67	737247.10	2660.63	SSMH CL BARREL
9002	26799804.52	737247.38	2661.18	TOP 8" PVC MAIN OUT
9003	26799796.83	737247.61	2661.36	TOP 8" PVC MAIN IN
9004	26799929.60	737209.45	2672.85	TOP 4" PVC LATERAL
9005	26799928.90	737254.16	2660.55	TOP 4" PVC LATERAL
9006	26799929.28	737254.44	2660.43	TOP 4" PVC MAIN
9007	26799786.43	737246.40	2661.62	SSMH CL BARREL
9402	26799965.66	737012.40	2682.40	TOP 4" PVC LATERAL
9403	26800005.69	737011.51	2678.19	TOP 4" PVC LATERAL
9404	26800006.18	737011.84	2678.55	TOP CONCRETE @ 12" PVC MAIN
10000	26799785.10	737208.07	2671.24	TOP 4" PVC LATERAL
10001	26799764.75	737207.84	2671.14	TOP 4" PVC LATERAL
10002	26799591.11	737246.24	2662.56	TOP 8" PVC MAIN
10003	26799590.55	737245.41	2662.67	TOP 4" PVC LATERAL
10004	26799591.13	737206.61	2671.05	TOP 4" PVC LATERAL
10005	26799569.17	737245.83	2662.70	TOP 8" PVC MAIN
10006	26799568.63	737245.19	2662.82	TOP 4" PVC LATERAL
10007	26799569.31	737206.51	2671.60	TOP 4" PVC LATERAL
10008	26799426.73	737244.84	2663.55	TOP 8" PVC MAIN
10009	26799426.15	737244.24	2663.71	TOP 4" PVC LATERAL
10010	26799425.98	737205.21	2670.71	TOP 4" PVC LATERAL
10011	26799352.13	737244.50	2663.43	SSMH CL BARREL
10012	26799348.51	737244.60	2664.22	TOP 8" PVC MAIN IN
10013	26799351.91	737240.85	2664.35	TOP 8" PVC MAIN IN
10014	26799355.86	737244.65	2664.05	TOP 8" PVC MAIN OUT
10015	26799765.68	737247.08	2661.55	TOP 8" PVC MAIN
10016	26799765.39	737246.51	2661.66	TOP 4" PVC LATERAL
10017	26799351.44	737103.45	2669.99	TOP 8" PVC MAIN
10018	26799351.24	737029.26	2672.92	TOP 8" PVC MAIN
10019	26799351.12	736939.65	2676.56	TOP 8" PVC MAIN OUT
10020	26799351.08	736932.72	2677.00	TOP 8" PVC MAIN IN
10021	26799351.24	736920.00	2677.13	TOP 8" PVC MAIN @ STUB
10022	26799351.08	736936.18	2676.04	SSMH CL BARREL
10023	26799351.28	737007.15	2673.89	TOP 8" PVC MAIN
10024	26799350.64	737006.58	2674.07	TOP 4" PVC LATERAL
10025	26799307.10	737006.83	2678.19	TOP 4" PVC LATERAL
10026	26799351.22	737010.31	2673.76	TOP 8" PVC MAIN
10027	26799351.83	737009.52	2673.93	TOP 4" PVC LATERAL
10028	26799390.95	737008.81	2679.24	TOP 4" PVC LATERAL
10029	26799270.60	737204.05	2670.34	TOP 4" PVC LATERAL
10030	26799270.75	737243.89	2665.12	TOP 4" PVC LATERAL
10031	26799271.58	737244.53	2664.86	TOP 8" PVC MAIN
10032	26799127.15	737243.99	2665.78	TOP 8" PVC MAIN
10033	26799126.37	737243.27	2665.94	TOP 4" PVC LATERAL
10034	26799125.86	737203.46	2669.83	TOP 4" PVC LATERAL
10035	26799104.61	737244.04	2665.82	TOP 8" PVC MAIN
10036	26799103.97	737243.24	2666.01	TOP 4" PVC LATERAL
10037	26799103.68	737203.41	2669.55	TOP 4" PVC LATERAL
10039	26799029.61	737243.51	2666.26	TOP 8" PVC MAIN OUT
10040	26799025.88	737243.44	2665.63	SSMH CL BARREL
10041	26799022.22	737243.45	2666.39	TOP 8" PVC MAIN IN
60002	26800007.51	737904.03	2649.07	INV @ SSMH CL BARREL

DATE: 5/14/2018
 DRAWN BY: []
 CHECKED BY: []
 ADA CHECKED: []
 SCALE: 1"=50'

TRI-CORE SURVEYING, LLC
 LAND SURVEYING - CONSTRUCTION STAKING
 MAPPING & LAND DEVELOPMENT SERVICES
 BOUNDARY & TOPOGRAPHIC SURVEYS
 6781 WEST CHARLESTON BLVD.
 LAS VEGAS, NEVADA 89146
 TEL (702) 821-1584 FAX (702) 870-4378

PINNACLE HOMES
 ELK RIDGE ESTATES II & III
 SANITARY SEWER FINAL LOCATION MAP

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: 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: June 5, 2018

Re: Sanitary Sewer Final Location Map
SEWER-ELK RIDGE ESTATES II & III
(Drawing No. SEWER-ELK RIDGE ESTATES II & III, L-Civil No. 69296)

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: June 5, 2018



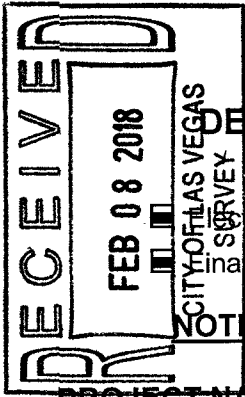
Signature

PLS 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: Elk Ridge Estates II & III UNIT: PHASE:

PROJECT LOCATION: Conquistador Street and Tropical Parkway in Las Vegas, NV

CLV PLAN #: 307v1130 CLV PROJECT # 69296 SHEET NO. (S): 8-13 of 28

OF MANHOLES 6 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: Mountain Pine PHONE: 702-436-0878 FAX:

CONTRACTOR'S SUPERVISOR NAME: Miguel Moreno MOBILE: 702-757-8742

DATE OF REQUEST: February 6, 2018

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: 6/5/18 NOT ACCEPTABLE BY CITY SURVEYOR DATE

CLV SURVEYOR'S SIGNATURE: *Rafael M. ...* DATE: 6/5/18
FOR:

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 69296 SS2
PROJECT NAME SEWER-ELK RIDGE ESTATES II & III
WORK AUTH. NO. P28000
SUBMITTED BY Tri-Core Surveying(Ross J. Doyle)
PROJECT TYPE CIP Land Dev Street Rehab
DATE 6/5/18
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)	<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"/>	
General Map Contents				
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 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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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"/>	
*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	<input checked="" 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"/>	
*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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

ADDITIONAL COMMENTS