

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
572	26802109.00	732396.34	0.00	CP 1 – CURB SCRIBE 1/2
584	26802490.36	731941.57	0.00	CP 2 – CURB SCRIBE 13/14
9000	26802536.75	732364.44	2855.56	TOP OF 8" PVC MAIN OUT
9001	26802528.79	732364.77	2855.20	TOP OF 8" PVC MAIN
9002	26802482.20	732365.17	2854.25	TOP OF 8" PVC MAIN
9003	26802456.24	732365.49	2853.87	TOP OF 8" PVC MAIN IN
9004	26802451.16	732365.62	2853.63	TOP OF 8" PVC MAIN OUT
9005	26802453.76	732365.53	2852.98	CL OF SSMH BARREL
9006	26802400.86	732366.97	2851.86	TOP OF 8" PVC MAIN
9007	26802331.24	732368.20	2849.40	TOP OF 8" PVC MAIN
9008	26802230.69	732369.78	2845.98	TOP OF 8" PVC MAIN
9009	26802162.85	732371.08	2843.65	TOP OF 8" PVC MAIN IN
9010	26802160.19	732368.41	2843.55	TOP OF 8" PVC MAIN IN
9011	26802157.34	732371.24	2843.27	TOP OF 8" PVC MAIN OUT
9013	26802118.52	732372.15	2842.15	TOP OF 8" PVC MAIN
9014	26802118.94	732372.65	2842.31	TOP OF 4" PVC LATERAL
9015	26802119.45	732404.48	2844.25	TOP OF 4" PVC LATERAL
9016	26802030.26	732373.28	2839.70	TOP OF 8" PVC MAIN
9017	26802030.64	732373.72	2839.89	TOP OF 4" PVC LATERAL
9018	26802031.00	732405.42	2842.24	TOP OF 4" PVC LATERAL
9019	26802159.15	732327.86	2844.86	TOP OF 8" PVC MAIN
9020	26802158.70	732327.39	2845.10	TOP OF 4" PVC LATERAL
9021	26802135.09	732327.66	2847.32	TOP OF 4" PVC LATERAL
9022	26802159.41	732324.28	2844.97	TOP OF 8" PVC MAIN
9023	26802159.83	732323.80	2845.20	TOP OF 4" PVC LATERAL
9024	26802194.52	732323.50	2847.16	TOP OF 4" PVC LATERAL
9025	26802158.12	732264.34	2847.39	TOP OF 8" PVC MAIN
9026	26802158.60	732263.98	2847.57	TOP OF 4" PVC LATERAL
9027	26802192.31	732264.29	2848.54	TOP OF 4" PVC LATERAL
9028	26802157.02	732221.46	2849.06	TOP OF 8" PVC MAIN
9029	26802156.58	732220.99	2849.29	TOP OF 4" PVC LATERAL
9030	26802135.11	732220.75	2851.29	TOP OF 4" PVC LATERAL
9031	26802156.71	732184.48	2850.57	TOP OF 8" PVC MAIN
9032	26802157.14	732184.03	2850.80	TOP OF 4" PVC LATERAL
9033	26802189.87	732183.59	2851.57	TOP OF 4" PVC LATERAL
9034	26802154.93	732106.08	2853.68	TOP OF 8" PVC MAIN
9035	26802154.45	732105.53	2853.92	TOP OF 4" PVC LATERAL
9036	26802132.22	732105.33	2855.19	TOP OF 4" PVC LATERAL
9037	26802155.03	732102.09	2853.83	TOP OF 8" PVC MAIN

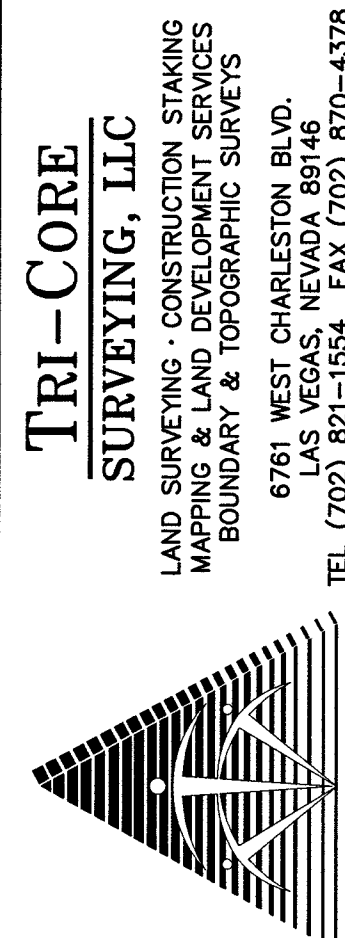
POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
9038	26802155.50	732101.67	2854.10	TOP OF 4" PVC LATERAL
9039	26802188.58	732101.49	2855.03	TOP OF 4" PVC LATERAL
9040	26802153.75	732026.64	2856.93	TOP OF 8" PVC MAIN
9041	26802154.23	732026.21	2857.07	TOP OF 4" PVC LATERAL
9042	26802184.72	732024.79	2857.85	TOP OF 4" PVC LATERAL
9043	26802152.78	731992.86	2858.26	TOP OF 8" PVC MAIN
9044	26802152.27	731992.38	2858.51	TOP OF 4" PVC LATERAL
9045	26802123.14	731991.26	2860.03	TOP OF 4" PVC LATERAL
9046	26802151.96	731947.56	2860.01	TOP OF 8" PVC MAIN
9047	26802152.46	731947.22	2860.14	TOP OF 4" PVC LATERAL
9048	26802202.46	731945.08	2861.18	TOP OF 4" PVC LATERAL
9049	26802151.75	731942.53	2860.28	TOP OF 8" PVC MAIN OUT
9053	26802453.62	732362.78	2853.77	TOP OF 8" PVC MAIN IN
10000	26802452.98	732324.36	2855.02	TOP OF 8" PVC MAIN
10001	26802452.20	732323.70	2855.08	TOP OF 4" PVC LATERAL
10002	26802429.03	732322.77	2856.71	TOP OF 4" PVC LATERAL
10003	26802452.75	732318.14	2855.17	TOP OF 8" PVC MAIN
10004	26802453.39	732317.59	2855.26	TOP OF 4" PVC LATERAL
10005	26802487.43	732317.59	2856.81	TOP OF 4" PVC LATERAL
10006	26802451.95	732270.50	2857.19	TOP OF 8" PVC MAIN
10007	26802451.23	732269.98	2857.38	TOP OF 4" PVC LATERAL
10008	26802427.61	732270.94	2858.04	TOP OF 4" PVC LATERAL
10009	26802451.78	732266.10	2857.38	TOP OF 8" PVC MAIN
10010	26802452.50	732265.61	2857.52	TOP OF 4" PVC LATERAL
10011	26802485.16	732266.00	2859.10	TOP OF 4" PVC LATERAL
10012	26802450.76	732202.90	2859.66	TOP OF 8" PVC MAIN
10013	26802450.12	732202.45	2859.88	TOP OF 4" PVC LATERAL
10014	26802427.39	732202.30	2861.19	TOP OF 4" PVC LATERAL
10015	26802450.72	732200.90	2859.81	TOP OF 8" PVC MAIN
10016	26802451.33	732200.36	2859.95	TOP OF 4" PVC LATERAL
10017	26802486.10	732199.08	2861.55	TOP OF 4" PVC LATERAL
10018	26802449.70	732135.30	2862.28	TOP OF 8" PVC MAIN
10019	26802448.89	732134.70	2862.43	TOP OF 4" PVC LATERAL
10020	26802425.57	732134.78	2863.78	TOP OF 4" PVC LATERAL
10021	26802449.53	732131.91	2862.50	TOP OF 8" PVC MAIN
10022	26802450.11	732131.19	2862.65	TOP OF 4" PVC LATERAL
10023	26802483.57	732131.63	2864.62	TOP OF 4" PVC LATERAL
10024	26802448.29	732069.05	2864.80	TOP OF 8" PVC MAIN
10025	26802447.74	732068.35	2865.00	TOP OF 4" PVC LATERAL
10026	26802424.57	732068.29	2866.49	TOP OF 4" PVC LATERAL

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
10027	26802448.25	732063.64	2865.06	TOP OF 8" PVC MAIN
10028	26802448.95	732062.83	2865.08	TOP OF 4" PVC LATERAL
10029	26802484.20	732063.55	2866.69	TOP OF 4" PVC LATERAL
10030	26802447.24	732001.15	2867.41	TOP OF 8" PVC MAIN
10031	26802446.62	732000.38	2867.65	TOP OF 4" PVC LATERAL
10032	26802422.91	731999.30	2869.00	TOP OF 4" PVC LATERAL
10033	26802447.09	731996.01	2867.66	TOP OF 8" PVC MAIN
10034	26802447.54	731995.39	2867.71	TOP OF 4" PVC LATERAL
10035	26802481.44	731995.73	2868.50	TOP OF 4" PVC LATERAL
10036	26802446.13	731937.92	2869.71	TOP OF 8" PVC MAIN
10037	26802446.60	731937.32	2869.76	TOP OF 4" PVC LATERAL
10038	26802496.54	731933.69	2871.19	TOP OF 4" PVC LATERAL
10039	26802445.67	731936.67	2869.78	TOP OF 4" PVC LATERAL
10041	26802231.01	732370.24	2846.14	TOP OF 4" PVC LATERAL
10042	26802231.68	732401.05	2847.95	TOP OF 4" PVC LATERAL
10043	26802331.58	732368.66	2849.41	TOP OF 4" PVC LATERAL
10044	26802330.68	732402.47	2851.38	TOP OF 4" PVC LATERAL
10045	26802401.23	732367.49	2852.03	TOP OF 4" PVC LATERAL
10046	26802400.21	732400.59	2853.10	TOP OF 4" PVC LATERAL
10050	26802151.73	731939.82	0.00	CL OF SSMH BARREL
10051	26802160.10	732371.16	0.00	CL OF SSMH BARREL
15004	26802445.73	731924.97	2877.12	CL OF SSMH BARREL
15006	26802539.45	732364.49	2862.86	CL OF SSMH BARREL
15008	26801979.88	732375.04	2849.02	CL OF SSMH BARREL
15010	26801981.85	732523.62	2844.29	CL OF SSMH BARREL
15011	26802445.80	731927.77	2870.21	TOP OF 8" PVC MAIN OUT
15012	26801982.58	732374.94	2838.30	TOP OF 8" PVC MAIN IN
15013	26801979.92	732377.73	2838.10	TOP OF 8" PVC MAIN OUT
15014	26801981.81	732520.92	2831.51	TOP OF 8" PVC MAIN IN
15015	26802531.64	732401.38	2857.30	TOP OF 4" PVC LATERAL
15016	26802482.30	732400.27	2856.50	TOP OF 4" PVC LATERAL
16000	26802446.11	731936.98	2869.73	TOP OF 8" PVC MAIN
16001	26802529.11	732365.23	2855.36	TOP OF 4" PVC LATERAL
16002	26802482.52	732365.63	2854.41	TOP OF 4" PVC LATERAL
52001	26802410.25	731933.18	2871.50	TOP OF 4" PVC LATERAL

[illegible]

DATE :	10/5/2016
PM :	INK
DRAWN BY :	AA
DESIGNED BY :	
CHECKED BY :	GS
ADA CHECKED :	
JOB NO. :	20713.0018
SCALE :	

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing—any errors or omissions shall be reported to Tri-Core without delay. The Copyrights to all designs and drawings are the property of Tri-Core. Reproduction or use for any purpose other than that authorized by Tri-Core is prohibited.



LENNAR HOMES

CENTENNIAL AND ALPINE

SANITARY SEWER FINAL LOCATION MAP



SHEE

2

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: Gregory D Spinkelink, PLS
Tri-Core Surveying

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

Date: October 26, 2016

Re: Sanitary Sewer Final Location Map
CENTENNIAL AND ALPINE SEWER
(Drawing No. 307V1101, L-Civil No. 55039)

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: October 26, 2016



Signature

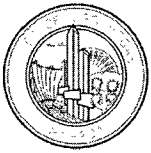
City Surveyor

Title

Public Works/Survey

Department/Division

ARR/OS:js



City of Las Vegas
Department of Public Works
Survey Section

REVIEW CHECKLIST
SANITARY SEWER
FINAL LOCATION MAP

JOB NUMBER H55039 SS2
PROJECT NAME CENTENNIAL AND ALPINE SEWER
WORK AUTH. NO. P28000
SUBMITTED BY Tri-Core Surveying
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE 10/26/16
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)	☒	☐	☐	
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