

CENTENNIAL AND CONQUISTADOR

SANITARY SEWER FINAL LOCATION MAP

CITY OF LAS VEGAS
STATE OF NEVADA

DEVELOPER	OWNER	ENGINEER
LENNAR HOMES	GREYSTONE NEVADA LLC	THOMASON CONSULTING ENGINEERS
2490 PASEO VERDE PARKWAY, SUITE 120	2490 PASEO VERDE PARKWAY, SUITE 120	7080 LA CIENEGA STREET, SUITE 200
HENDERSON, NV, 89074	HENDERSON, NV, 89074	LAS VEGAS, NEVADA 89119
PHONE: (702) 458-7700	PHONE: (702) 458-7700	PHONE: (702) 932-6125
FAX: (702) 458-7708	FAX: (702) 458-7708	FAX: (702) 932-6129
CONTACT: PAULO CHAVEZ	CONTACT: PAULO CHAVEZ	CONTACT : JOHN B. McAVOY

LEGEND

--- PROPERTY LINE / RIGHT-OF-WAY

--- BACK OF CURB

--- CENTERLINE OF STREET

--- SEWER LINE

10 LOT NUMBER

XXX ASBUILT SEWER LOCATION POINT NUMBER
(SEE CHARTS SHEET 5)

ABBREVIATIONS

SS SANITARY SEWER

SSMH SANITARY SEWER MANHOLE

LAT LATERAL

VB VERTICAL BEND

CL CENTERLINE

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 6LV99 24SES

A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF CENTENNIAL PARKWAY AND HUALAPAI WAY.

ELEVATION=844.924 METERS (NAVD'88)

ELEVATION=2772.06 US SURVEY FEET (NAVD'88)

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 115°35' WEST OF THE GREENWICH MERIDIAN.

COORDINATE SYSTEM

NEVADA STATE PLANE COORDINATE SYSTEM, EAST ZONE 2701

DATUM

NAD 1983 (2011) EPOCH 2010.0

NOTES:

ALL PIPE ELEVATIONS REFLECT TOP OF PIPE.

MANHOLE LID ELEVATIONS TAKEN AT RIM.

SS MAIN@LAT IS CENTERLINE INTERSECTION OF MAIN LINE AND LATERAL

FIELD WORK COMPLETED 06-30-16

ALL COORDINATES ACCURATE WITHIN +/- 0.3 FEET HORIZONTALLY AND VERTICALLY.

SCALE (H):

40

SCALE (V):

N/A

DRAWN BY:

Z. BUSCH

CHECKED BY:

J. COOK

SEC

30

T

19

S

R

E

MDM

DESCRIPTION OF DRAWING REGION

SANITARY SEWER FINAL LOCATION MAP

CENTENNIAL / CONQUISTADOR

LENNAR HOMES

CLARK COUNTY

NEVADA

CITY OF LAS VEGAS

MS&S Surveying

7080 LA CIENEGA STREET, SUITE 200

LAS VEGAS, NEVADA 89119

PHONE: (702) 932-2965

FAX: (702) 932-5599

HTTP://WWW.MSSSURVEYING.COM

PERSONAL LAND SURVEYOR-STATE OF NEVADA

JERRY A. COOK, JR.

EXPIRES 12/31/18

No. 9388

6/30/16

DRAWING NAME

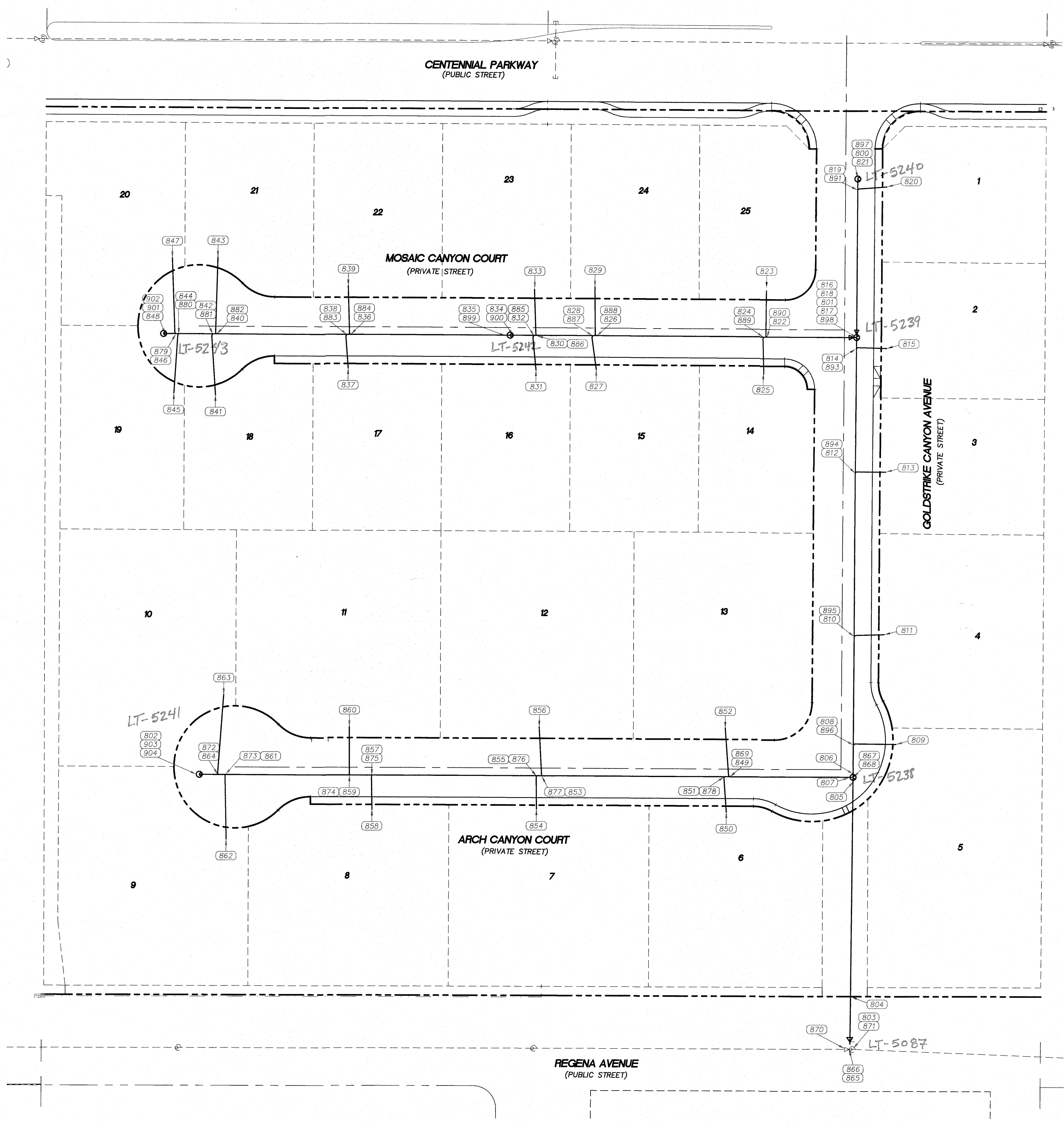
CENTENNIAL/CONQ.

JOB NUMBER

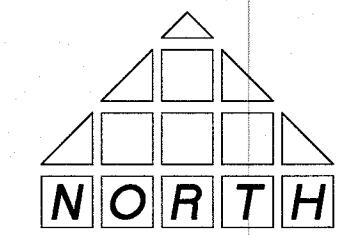
001-13-032

SHEET

1 OF 2



POINT#	NORTHING	EASTING	ELEVATION	DESCRIPTION
800	26802593.02	736817.559	2725.10	CL MH
801	26802487.7	736816.6024	2723.85	CL MH
802	26802197.12	736380.987	2717.41	SSMH EAST OUT
803	26802017.71	736811.965	2701.42	SSMH NORTH IN POC
804	26802049.87	736813.1396	2702.16	SS @ ROW
805	26802192.75	736814.977	2705.107	SSMH SOUTH OUT
806	26802197.5	736814.811	2705.286	SSMH NORTH IN
807	26802195.33	736812.288	2705.341	SSMH WEST IN
808	26802216.72	736814.88	2705.955	SS MAIN @ LAT
809	26802217.21	736843.089	2710.768	SS LAT
810	26802288.72	736815.379	2708.459	SS MAIN @ LAT
811	26802290.02	736835.362	2710.411	SS LAT
812	26802397.69	736816.009	2712.189	SS MAIN @ LAT
813	26802398.5	736836.459	2714.307	SS LAT
814	26802480.39	736816.329	2715.063	SS MAIN @ LAT
815	26802480.73	736836.874	2717.841	SS LAT
816	26802485.15	736816.263	2715.167	SSMH SOUTH OUT
817	26802487.9	736814.043	2715.317	SSMH WEST IN
818	26802490.26	736816.719	2715.276	SSMH NORTH IN
819	26802585.59	736817.596	2716.376	SS MAIN @ LAT
820	26802587.58	736837.021	2719.017	SS LAT
821	26802591.18	736817.529	2716.423	SSMH SOUTH OUT
822	26802487.96	736757.483	2716.358	SS MAIN @ LAT
823	26802520.6	736757.095	2719.206	SS LAT
824	26802487.89	736755.341	2716.425	SS MAIN @ LAT
825	26802464.15	736754.94	2718.984	SS LAT
826	26802488.13	736844.157	2718.332	SS MAIN @ LAT
827	26802465.95	736844.055	2719.853	SS LAT
828	26802488.29	736841.967	2718.237	SS MAIN @ LAT
829	26802520.84	736843.185	2720.086	SS LAT
830	26802488.33	736804.696	2718.844	SS MAIN @ LAT
831	26802465.72	736804.107	2721.131	SS LAT
832	26802488.35	736802.848	2718.925	SS MAIN @ LAT
833	26802519.99	736803.215	2720.67	SS LAT
834	26802488.3	736588.761	2719.015	SSMH EAST OUT
835	26802488.27	736583.84	2719.288	SSMH WEST IN
836	26802488.93	736480.848	2720.953	SS MAIN @ LAT
837	26802466.74	736479.298	2722.401	SS LAT
838	26802488.94	736478.485	2720.989	SS MAIN @ LAT
839	26802521.42	736479.339	2722.911	SS LAT
840	26802489.23	736392.183	2722.392	SS MAIN @ LAT
841	26802448.93	736391.358	2723.233	SS LAT
842	26802489.28	736389.546	2722.401	SS MAIN @ LAT
843	26802540.22	736392.938	2723.522	SS LAT
844	26802489.38	736367.048	2722.748	SS MAIN @ LAT
845	26802450.23	736363.697	2723.746	SS LAT
846	26802489.42	736365.037	2722.772	SS MAIN @ LAT
847	26802539.84	736362.672	2723.905	SS LAT
848	26802489.35	736357.982	2722.973	SSMH EAST OUT
849	26802195.57	736732.826	2707.742	SS MAIN @ LAT
850	26802172.21	736730.575	2710.526	SS LAT
851	26802195.68	736729.196	2707.791	SS MAIN @ LAT
852	26802227.78	736729.86	2711.817	SS LAT
853	26802195.88	736608.023	2711.257	SS MAIN @ LAT
854	26802174.09	736604.427	2713.703	SS LAT
855	26802195.89	736604.511	2711.355	SS MAIN @ LAT
856	26802228.25	736606.305	2713.904	SS LAT
857	26802196.45	736494.934	2714.5	SS MAIN @ LAT
858	26802173.86	736495.047	2715.616	SS LAT
859	26802196.52	736480.148	2714.868	SS MAIN @ LAT
860	26802228.51	736480.086	2717.155	SS LAT
861	26802197	736398.015	2717.179	SS MAIN @ LAT
862	26802154.19	736398.426	2719.529	SS LAT
863	26802249.93	736396.798	2719.82	SS LAT
864	26802196.9	736392.933	2717.348	SS MAIN @ LAT
865	26802015.06	736811.394	2714.034	CL 38" MH LID
866	26802015.21	736811.989	2714.021	CL MH
867	26802195.57	736814.663	2715.044	CL 38" MH LID
868	26802195.15	736814.754	2715.02	CL MH
869	26802196.42	736732.083	2707.973	SS LAT AP
870	26802014.72	736809.5366	2701.45	SSMH WEST IN
871	26802014.8	736814.4547	2701.24	SSMH EAST OUT
872	26802197.73	736392.767	2717.497	SS LAT AP
873	26802196.31	736397.701	2717.453	SS LAT AP
874	26802197.3	736480.091	2715.151	SS LAT AP
875	26802195.62	736494.775	2714.731	SS LAT AP
876	26802195.1	736604.281	2711.463	SS LAT AP
877	26802196.71	736607.801	2711.445	SS LAT AP
878	26802194.83	736728.982	2708.003	SS LAT AP
879	26802490.29	736364.341	2722.888	SS LAT AP
880	26802488.53	736366.314	2722.793	SS LAT AP
881	26802488.29	736388.914	2722.449	SS LAT AP
882	26802490.17	736391.419	2722.585	SS LAT AP
883	26802487.96	736477.749	2721.11	SS LAT AP
884	26802489.82	736480.153	2721.11	SS LAT AP
885	26802487.53	736602.005	2719.035	SS LAT AP
886	26802489.13	736603.994	2718.989	SS LAT AP
887	26802487.41	736641.246	2718.458	SS LAT AP
888	26802489.03	736643.416	2718.402	SS LAT AP
889	26802487.06	736754.699	2716.528	SS LAT AP
890	26802488.76	736756.69	2716.456	SS LAT AP
891	26802586.31	736818.424	2716.525	SS LAT AP
893	26802481.24	736817.215	2715.281	SS LAT AP
894	26802398.48	736816.701	2712.332	SS LAT AP
895	26802289.52	736816.293	2708.585	SS LAT AP
896	26802217.53	736815.834	2706.242	SS LAT AP
897	26802593.38	736817.674	2725.066	CL 38" MH LID
898	26802488.26	736816.442	2723.915	CL 38" MH LID
899	26802488.14	736585.936	2726.712	CL 38" MH LID
900	26802488.09	736586.55	2726.697	CL MH
901	26802489.54	736356.223	2729.364	CL MH
902	26802489.58	736355.795	2729.386	CL 38" MH LID
903	26802196.87	736377.829	2723.98	CL MH
904	26802197.08	736377.477	2723.92	CL 38" MH LID



LEGEND

--- PROPERTY LINE / RIGHT-OF-WAY
--- BACK OF CURB
--- CENTERLINE OF STREET
--- SEWER LINE
10 LOT NUMBER
(XXX) ASBUILT SEWER LOCATION POINT NUMBER (SEE CHARTS SHEET 5)

ABBREVIATIONS

SS --- SANITARY SEWER
SSMH --- SANITARY SEWER MANHOLE
LAT --- LATERAL
VB --- VERTICAL BEND
CL --- CENTERLINE

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 6LV99 24SES
A RIVET AND PLATE IN THE TOP OF CURB AT
THE NORTHWEST CORNER OF CENTENNIAL
PARKWAY AND HUALAPAI WAY.

ELEVATION=844.924 METERS (NAVD'88)
ELEVATION=2772.06 US SURVEY FEET
(NAVD'88)

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL
MERIDIAN OF THE NEVADA COORDINATE
SYSTEM, EAST ZONE, NORTH AMERICAN DATUM
OF 1983; SAID MERIDIAN BEING COINCIDENT
WITH 115°35' WEST OF THE GREENWICH
MERIDIAN.

COORDINATE SYSTEM

NEVADA STATE PLANE COORDINATE SYSTEM,
EAST ZONE 2701

DATUM

NAD 1983 (2011) EPOCH 2010.0

NOTES:

ALL PIPE ELEVATIONS REFLECT TOP OF PIPE.
MANHOLE LID ELEVATIONS TAKEN AT RIM.
SS MAIN@LAT IS CENTERLINE INTERSECTION OF
MAIN LINE AND LATERAL
FIELD WORK COMPLETED 06-30-16
ALL COORDINATES ACCURATE WITHIN +/- 0.3
FEET HORIZONTALLY AND VERTICALLY.

SCALE (H): 40

SCALE (V): N/A

DRAWN BY: Z. BUSCH

CHECKED BY: J. COOK

SEC 30, T 19 S, R 60 E, MDM

DATE

BY

NO.

SANITARY SEWER FINAL LOCATION MAP

CENTENNIAL / CONQUISTADOR

LENNAR HOMES

CLARK COUNTY

CITY OF LAS VEGAS

MS&S Surveying

7080 LA CIENEGA STREET, SUITE 200
LAS VEGAS, NEVADA 89119
PHONE: (702) 932-9665
FAX: (702) 932-5599
HTTP://WWW.MS&SSURVEYING.COM

PROFESSIONAL LAND SURVEYOR STATE OF NEVADA

JERRY A. COOK, JR.

EXPIRES 12/31/2016

No. 9388

6/30/16

DRAWING NAME

CENTENNIAL/CONQ.

JOB NUMBER

001-13-032

SHEET

2 OF 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: Jerry A. Cook, PLS
MSG Surveying

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

Date: July 19, 2016

Re: Sanitary Sewer Final Location Map
CENTENNIAL AND CONQUISTADOR
(Drawing No. 107Y5022, L-Civil No. 55906)

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: July 19, 2016



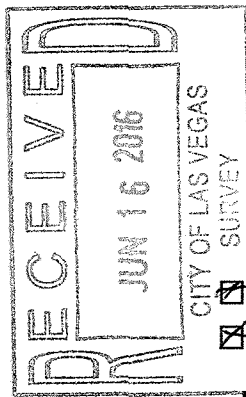
Signature

City Surveyor

Title

Public Works/Survey
Department/Division

ARR/OS:js



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: CENTENNIAL AND CONQUISTADOR UNIT: N/A PHASE: N/A

PROJECT LOCATION: CENTENNIAL AND CONQUISTADOR

CLV PLAN #: 107Y5022 CLV PROJECT # 55906 SHEET NO. (S): 2

OF MANHOLES 6 PUB. SEWER/STORM DRAIN LIN. FT. 4685 # OF PRIVATE LATERALS 25

DEVELOPER: LENNAR HOMES PHONE: 702-458-7700 FAX: 702-458-7708

SURVEY CO.: MSG SURVEYING PHONE: 702-932-2965 FAX: 702-932-5599

CONTRACTOR: MOUNTAIN PINE PHONE: 702-436-0878 FAX: 702-952-0878

CONTRACTOR'S SUPERVISOR NAME: JOHN MACKEY MOBILE: 702-677-0452

DATE OF REQUEST: 6-10-16

**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: 7/19/16 NOT ACCEPTABLE BY CITY SURVEYOR DATE 6/22/16

CLV SURVEYOR'S SIGNATURE:  DATE: 7/19/16

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 H55906 SS2
PROJECT NAME CENTENNIAL AND CONQUISTADOR
WORK AUTH. NO. P28000
SUBMITTED BY MSG Surveying
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE 7/18/16
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