

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: Gerald L. Wirthlin, PLS
Las Vegas Paving

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

Date: April 18, 2019

Re: Sanitary Sewer Final Location Map
COOLIDGE AVE-MAIN ST TO CASINO CENTER DR SEWER IMP
(Drawing No. 307V1153, L-Civil No. L19-00087)

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: April 18, 2019



Signature

City Surveyor
Title

Public Works/Survey
Department/Division

ARR/OS:mj



City of Las Vegas
Department of Public Works
Survey Section

REVIEW CHECKLIST
SANITARY SEWER
FINAL LOCATION MAP

JOB NUMBER L19-00087 SS1
PROJECT NAME Coolidge Ave Main St to Casino Center Sewer Imp
WORK AUTH. NO. P28000
SUBMITTED BY LAS VEGAS PAVING (GERALD L. WIRTHLIN)
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE 4/18/19
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	☐	☒	☐	L19-00087
CLV Drawing No. shown	☐	☒	☐	307 v 1153
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

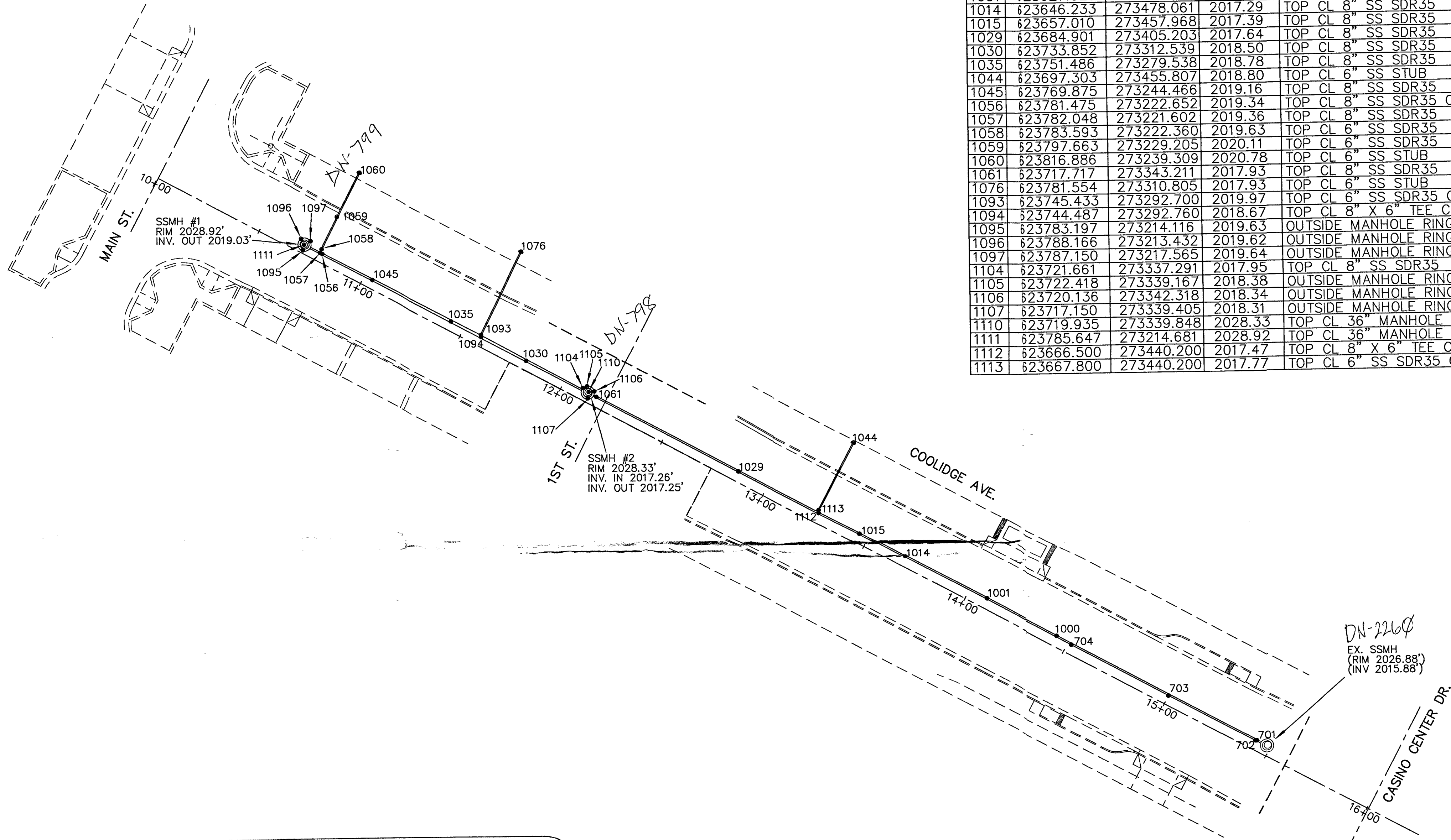
REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
Sanitary Sewer Improvements Data				
*NOTE As of December 1, 2015 manhole cover locations are no longer required.				
Manhole Barrel/Base: (measured horizontally at centerline of structure barrel/base, vertical location does not apply)	☒	☐	☐	
Vaults and Junction Structures: (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

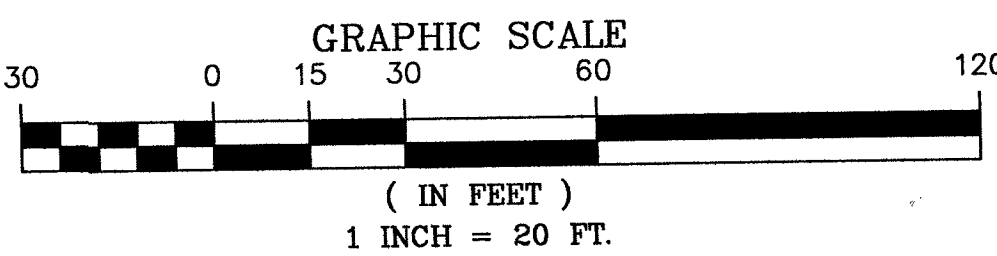
COOLIDGE AVE. - MAIN ST. TO CASINO CENTER DR. - SEWER

LEGEND

- 100 AS-BUILT POINT NUMBER
- SEWER LINE
- 48" SEWER MANHOLE
- CENTERLINE



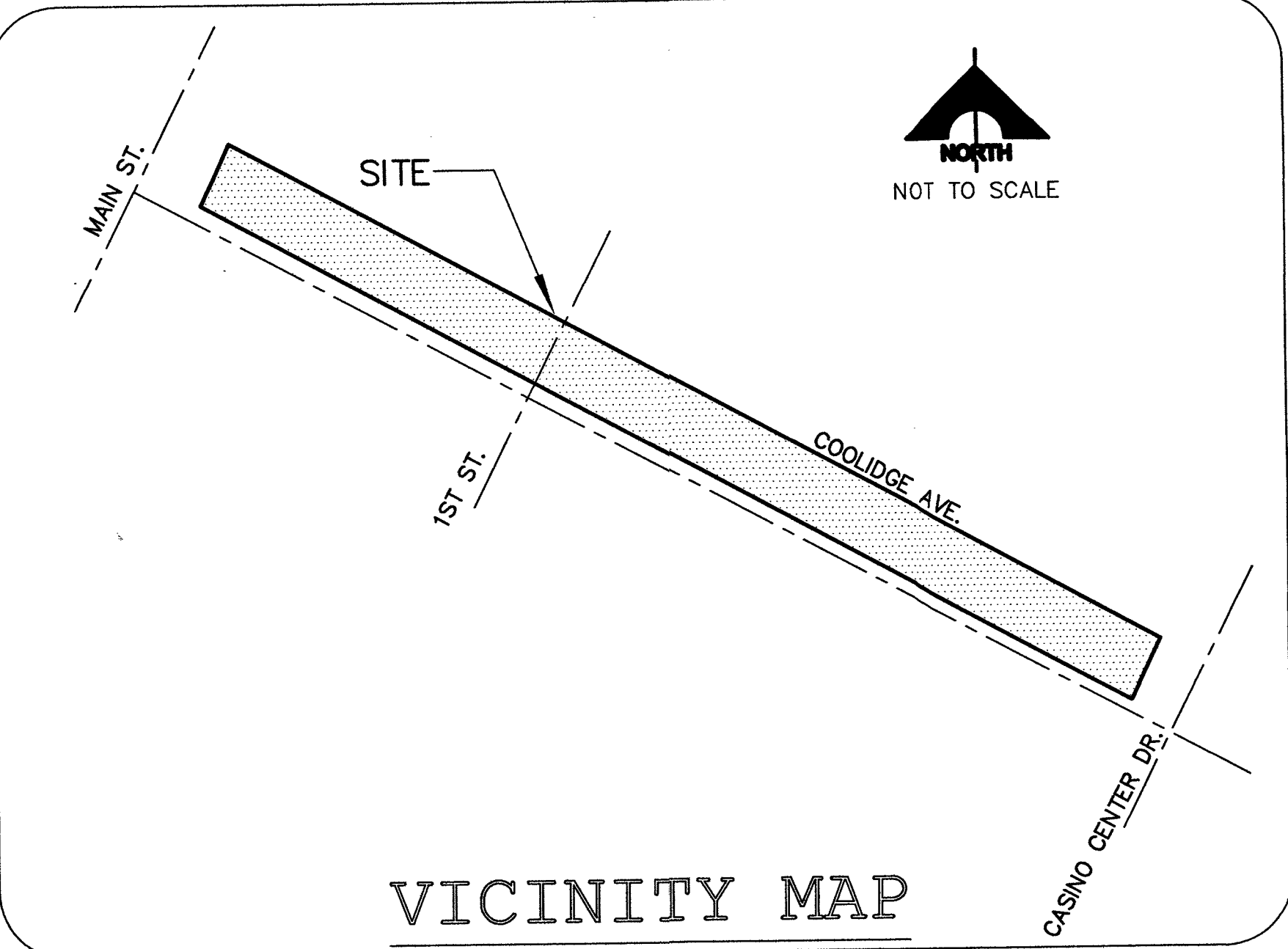
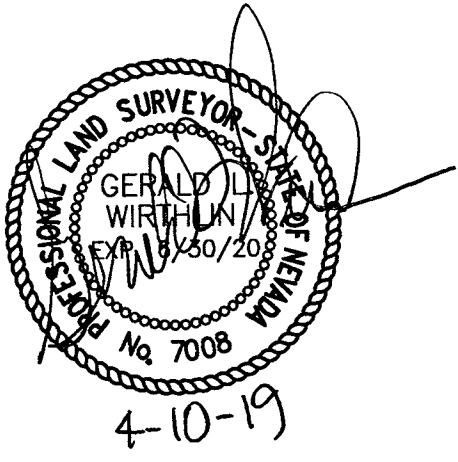
POINT TABLE				DESCRIPTION
#	NORTHING	EASTING	ELEVATION	
701	623563.861	273632.751	2016.64	TOP CL EXISTING 8" SS SDR35
702	623563.839	273632.069	2016.66	TOP CL 8" SS SDR35 CONNECTION @ EXISTING
703	623583.971	273594.198	2016.81	TOP CL 8" SS SDR35
704	623606.708	273551.715	2016.98	TOP CL 8" SS SDR35
1000	623610.650	273545.266	2017.03	TOP CL 8" SS SDR35
1001	623627.325	273513.719	2017.20	TOP CL 8" SS SDR35
1014	623646.233	273478.061	2017.29	TOP CL 8" SS SDR35
1015	623657.010	273457.968	2017.39	TOP CL 8" SS SDR35
1029	623684.901	273405.203	2017.64	TOP CL 8" SS SDR35
1030	623733.852	273312.539	2018.50	TOP CL 8" SS SDR35
1035	623751.486	273279.538	2018.78	TOP CL 8" SS SDR35
1044	623697.303	273455.807	2018.80	TOP CL 6" SS STUB
1045	623769.875	273244.466	2019.16	TOP CL 8" SS SDR35
1056	623781.475	273222.652	2019.34	TOP CL 8" SS SDR35 CONNECTION @ LATERAL
1057	623782.048	273221.602	2019.36	TOP CL 8" SS SDR35
1058	623783.593	273222.360	2019.63	TOP CL 6" SS SDR35
1059	623797.663	273229.205	2020.11	TOP CL 6" SS SDR35
1060	623816.886	273239.309	2020.78	TOP CL 6" SS STUB
1061	623717.717	273343.211	2017.93	TOP CL 8" SS SDR35
1076	623781.554	273310.805	2017.93	TOP CL 6" SS STUB
1093	623745.433	273292.700	2019.97	TOP CL 6" SS SDR35 CONNECTION @ LATERAL
1094	623744.487	273292.760	2018.67	TOP CL 8" X 6" TEE CONNECTION
1095	623783.197	273214.116	2019.63	OUTSIDE MANHOLE RING
1096	623788.166	273213.432	2019.62	OUTSIDE MANHOLE RING
1097	623787.150	273217.565	2019.64	OUTSIDE MANHOLE RING
1104	623721.661	273337.291	2017.95	TOP CL 8" SS SDR35
1105	623722.418	273339.167	2018.38	OUTSIDE MANHOLE RING
1106	623720.136	273342.318	2018.34	OUTSIDE MANHOLE RING
1107	623717.150	273339.405	2018.31	OUTSIDE MANHOLE RING
1110	623719.935	273339.848	2028.33	TOP CL 36" MANHOLE LID
1111	623785.647	273214.681	2028.92	TOP CL 36" MANHOLE LID
1112	623666.500	273440.200	2017.47	TOP CL 8" X 6" TEE CONNECTION
1113	623667.800	273440.200	2017.77	TOP CL 6" SS SDR35 CONNECTION @ LATERAL



BENCHMARK			
BM#	DESCRIPTION	NAVD 88 DATUM	NAVD 88 DATUM
CLV BM # 1LV0134SWW6	RIKET & PLATE TOP OF CURB SOUTHEAST CORNER MAIN ST. AND HOOVER AVE.	2028.59 (FEET)	618.315 (METERS)

BASIS OF BEARINGS:
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDIANTE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM 1983; SAID BEARING BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.
ZONE: LAS VEGAS ELEVATION ZONE
DATUM (REFERENCE FRAME) : NAD 1983 (2011) EPOCH 2010.0
SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)
PROJECTION: TRANSVERSE MERACTOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN) : 36°15'00"N
PROJECTION: TRANSVERSE MERACTOR
PROJECTION: TRANSVERSE MERACTOR
PROJECTION: TRANSVERSE MERACTOR

NOTES:
THE PURPOSE OF THIS SURVEY IS TO PROVIDE AS-BUILT LOCATIONS FOR THE SEWER FACILITIES ON COOLIDGE AVE, BETWEEN MAIN ST. AND CASION CENTER DR.
THE SURVEY WAS COMPLETED MARCH 6, 2019.
THE POSITIONAL CERTAINTY OF THE AS-BUILT INFORMATION IS WITHIN +/- .3', BOTH HORIZONTALLY AND VERTICALLY.



REVISION

BY

DATE

REV

ENGINEERING DEPT.
4420 S. DECATUR BLVD.
LAS VEGAS, NEVADA 89103
(702) 251-6800

LAS VEGAS PAVING CORP.

SEWER FINAL LOCATION MAP
COOLIDGE AVE. SEWER IMPROVMENTS
PROJECT #19-00087
CLARK COUNTY, NEVADA

CLV HANSEN No. 19-00087
CLV DRAWING No. 201V153
DRAWN: GBL
CHECKED: GW

SHEET

1

OF 1 SHEETS