

Point Table				
Point #	Northing	Easting	Elevation	Raw Description
7091	26763867.3520	720106.6733	3422.93	TOP8"PVC MAIN@LATERAL
7092	26763866.0345	720080.0530	3424.20	TOP8"PVC MAIN@LATERAL
7093	26763865.4842	720067.7617	3424.73	TOP8"PVC MAIN@LATERAL
7130	26764270.9974	720127.1405	3430.84	SSMH CL BARREL
7137	26764493.3695	720310.1874	3435.75	TOP8"PVC MAIN@LATERAL
7138	26764495.0082	720312.3579	3435.70	TOP8"PVC MAIN@LATERAL
7217	26763851.1155	720107.5536	3424.54	TOP4"PVC LATERAL
7219	26763849.2957	720068.5620	3426.38	TOP4"PVC LATERAL
7257	26763896.5629	720078.6974	3424.86	TOP4"PVC LATERAL
7259	26763863.6223	720025.7407	3426.54	TOP8"PVC MAIN OUT
7260	26763865.9257	720023.1402	3426.92	TOP8"PVC MAIN IN
7261	26763863.2112	720020.7958	3426.90	TOP8"PVC MAIN IN
7262	26763863.4493	720023.2043	3426.14	SSMH CL BARREL
7263	26764271.5372	720124.4300	3431.60	TOP8"PVC MAIN IN
7264	26764273.0750	720128.6621	3431.63	TOP8"PVC MAIN IN
7265	26764269.5177	720129.0471	3431.38	TOP8"PVC MAIN OUT
7346	26764509.1658	720300.5480	3437.60	TOP4"PVC LATERAL
7348	26764469.3161	720326.0428	3436.31	TOP4"PVC LATERAL
7350	26764473.1350	720282.3680	3435.94	TOP8"PVC MAIN OUT
7351	26764476.3864	720286.2361	3436.00	TOP8"PVC MAIN IN
7352	26764474.9236	720284.2446	3435.45	SSMH CL BARREL
8001	26764462.9904	720271.5554	3436.05	TOP8"PVC MAIN@LATERAL
8002	26764464.0700	720271.3015	3436.11	TOP4"PVC LATERAL
8003	26764478.4770	720259.2771	3436.43	TOP4"PVC LATERAL
8005	26764424.1877	720229.6175	3435.20	TOP8"PVC MAIN@LATERAL
8006	26764423.8191	720230.6889	3435.31	TOP4"PVC LATERAL
8007	26764404.9177	720250.0460	3435.91	TOP4"PVC LATERAL
8009	26764418.6826	720223.7545	3435.08	TOP8"PVC MAIN@LATERAL
8010	26764419.8322	720223.5994	3435.26	TOP4"PVC LATERAL
8011	26764432.8885	720210.9565	3435.84	TOP4"PVC LATERAL
8013	26764409.3680	720213.7260	3434.83	TOP8"PVC MAIN@LATERAL
8014	26764409.0688	720214.8987	3434.95	TOP4"PVC LATERAL
8015	26764387.8255	720235.9173	3435.67	TOP4"PVC LATERAL
8017	26764406.6064	720210.8577	3434.77	TOP8"PVC MAIN IN
8018	26764403.9343	720209.2003	3434.62	TOP8"PVC MAIN OUT
8019	26764379.1324	720196.8425	3434.28	TOP8"PVC MAIN@LATERAL
8020	26764380.1419	720196.3002	3434.27	TOP4"PVC LATERAL
8021	26764388.2292	720179.0094	3434.61	TOP4"PVC LATERAL
8023	26764348.2051	720182.0313	3433.85	TOP8"PVC MAIN IN
8024	26764345.3534	720180.6120	3433.51	TOP8"PVC MAIN OUT
8025	26764341.8760	720178.0671	3433.57	TOP8"PVC MAIN@LATERAL
8026	26764341.9777	720179.2156	3433.66	TOP4"PVC LATERAL
8027	26764330.2694	720202.1061	3434.29	TOP4"PVC LATERAL
8029	26764309.6845	720154.9871	3432.75	TOP8"PVC MAIN@LATERAL
8030	26764309.8058	720156.2408	3432.87	TOP4"PVC LATERAL
8031	26764292.6492	720179.8579	3433.61	TOP4"PVC LATERAL
8033	26764278.6328	720095.9245	3433.31	TOP8"PVC MAIN@LATERAL
8034	26764287.7910	720060.3675	3435.34	TOP8"PVC MAIN@LATERAL
8035	26764291.6555	720045.2496	3436.23	TOP8"PVC MAIN OUT
8036	26764291.7517	720042.5457	3436.54	TOP8"PVC MAIN IN
8037	26764289.9175	720027.1362	3437.32	TOP8"PVC MAIN@LATERAL
8038	26764289.3333	720020.4984	3437.68	TOP8"PVC MAIN@LATERAL
8039	26764284.6592	719982.5572	3439.56	TOP8"PVC MAIN@LATERAL
8040	26764282.3166	719964.5417	3440.37	TOP8"PVC MAIN@LATERAL
8041	26764279.1282	719939.0425	3441.54	TOP8"PVC MAIN@LATERAL
8042	26764276.7568	719920.1462	3442.46	TOP8"PVC MAIN@LATERAL
8043	26764273.7749	719895.5767	3443.69	TOP8"PVC MAIN@LATERAL
8044	26764271.1844	719874.6298	3444.70	TOP8"PVC MAIN@LATERAL
8045	26764268.3197	719850.6499	3445.87	TOP8"PVC MAIN@LATERAL
8046	26764265.2584	719825.2343	3447.12	TOP8"PVC MAIN@LATERAL

Point Table				
Point #	Northing	Easting	Elevation	Raw Description
8047	26764262.7736	719805.1642	3448.08	TOP8"PVC MAIN@LATERAL
8048	26764279.7185	720095.3640	3433.31	TOP4"PVC LATERAL
8049	26764302.0109	720101.3650	3434.15	TOP4"PVC LATERAL
8051	26764288.8415	720059.7663	3435.39	TOP4"PVC LATERAL
8052	26764309.8881	720064.4237	3435.82	TOP4"PVC LATERAL
8054	26764290.8240	720026.6573	3437.17	TOP4"PVC LATERAL
8055	26764309.8349	720024.9281	3437.73	TOP4"PVC LATERAL
8057	26764288.0954	720020.1448	3437.65	TOP4"PVC LATERAL
8058	26764260.4794	720023.0580	3439.26	TOP4"PVC LATERAL
8060	26764285.3948	719981.9270	3439.58	TOP4"PVC LATERAL
8061	26764302.6710	719979.9599	3439.90	TOP4"PVC LATERAL
8063	26764281.2001	719964.2780	3440.28	TOP4"PVC LATERAL
8064	26764253.6671	719967.6071	3441.53	TOP4"PVC LATERAL
8066	26764280.1146	719938.5675	3441.55	TOP4"PVC LATERAL
8067	26764297.5548	719936.1465	3442.47	TOP4"PVC LATERAL
8069	26764275.8569	719919.8086	3442.38	TOP4"PVC LATERAL
8070	26764247.8570	719922.8268	3444.05	TOP4"PVC LATERAL
8072	26764274.7704	719895.0699	3443.62	TOP8"PVC MAIN@LATERAL
8073	26764292.3265	719892.0690	3444.16	TOP4"PVC LATERAL
8075	26764270.1467	719874.2575	3444.68	TOP4"PVC LATERAL
8076	26764242.6717	719877.7246	3445.95	TOP4"PVC LATERAL
8078	26764269.1972	719850.0927	3445.97	TOP4"PVC LATERAL
8079	26764287.3572	719846.9348	3446.52	TOP4"PVC LATERAL
8081	26764264.2465	719824.8923	3447.02	TOP4"PVC LATERAL
8082	26764235.9146	719828.3224	3448.40	TOP4"PVC LATERAL
8084	26764263.7569	719804.6586	3448.18	TOP4"PVC LATERAL
8085	26764280.9172	719802.1516	3448.63	TOP4"PVC LATERAL
8087	26764257.1870	719760.0423	3450.35	TOP8"PVC MAIN@LATERAL
8088	26764258.0627	719759.1985	3450.37	TOP4"PVC LATERAL
8089	26764275.9978	719757.0824	3451.34	TOP4"PVC LATERAL
8091	26764264.0417	719715.8130	3452.40	TOP8"PVC MAIN@LATERAL
8092	26764252.8495	719714.9891	3452.47	TOP4"PVC LATERAL
8093	26764270.2567	719712.6801	3452.95	TOP4"PVC LATERAL
8095	26764246.5874	719670.4178	3454.68	TOP8"PVC MAIN@LATERAL
8096	26764247.4152	719669.5190	3454.84	TOP4"PVC LATERAL
8097	26764264.8415	719667.5849	3455.84	TOP8"PVC LATERAL
8099	26764243.1483	719641.6371	3456.07	TOP8"PVC MAIN OUT
8100	26764242.8573	719638.5967	3456.20	TOP8"PVC MAIN IN
8101	26764241.2822	719626.0845	3456.80	TOP8"PVC MAIN@LATERAL
8102	26764242.2970	719625.3506	3456.78	TOP4"PVC LATERAL
8103	26764259.4892	719623.1175	3457.22	TOP4"PVC LATERAL
8105	26764235.9610	719581.8341	3459.04	TOP8"PVC MAIN@LATERAL
8106	26764236.8798	719580.8343	3459.08	TOP4"PVC LATERAL
8107	26764253.9490	719578.7612	3460.04	TOP4"PVC LATERAL
8109	26764234.9819	719573.8678	3459.45	TOP8"PVC MAIN OUT
9000	26764233.7164	720096.9441	3431.82	SSMH CL BARREL
9001	26764230.7260	720095.5924	3432.33	TOP8"PVC MAIN OUT
9002	26764221.0179	720091.2707	3432.16	TOP8"PVC MAIN@LATERAL
9003	26764221.2859	720092.1395	3432.48	TOP4"PVC LATERAL
9004	26764210.3521	720118.7661	3432.85	TOP4"PVC LATERAL
9006	26764181.6958	720073.6087	3431.73	TOP8"PVC MAIN@LATERAL
9007	26764181.9988	720074.5914	3431.99	TOP4"PVC LATERAL
9008	26764171.9156	720096.1731	3432.39	TOP4"PVC LATERAL
9010	26764097.5216	720035.9483	3430.84	TOP8"PVC MAIN@LATERAL
9011	26764097.8996	720036.8831	3430.93	TOP4"PVC LATERAL
9012	26764087.5505	720060.8043	3431.48	TOP4"PVC LATERAL
9014	26764086.3009	720030.6838	3430.51	TOP8"PVC MAIN@LATERAL
9015	26764086.9737	720030.2998	3430.85	TOP4"PVC LATERAL
9016	26764094.9085	720012.8383	3431.49	TOP4"PVC LATERAL
9018	26764075.9449	720026.3680	3430.63	TOP8"PVC MAIN IN

Point Table				
Point #	Northing	Easting	Elevation	Raw Description
9019	26764072.8656	720025.2134	3429.73	SSMH CL BARREL
9020	26764069.6502	720024.9885	3430.20	TOP8"PVC MAIN OUT
9021	26764038.3268	720020.9733	3430.17	TOP8"PVC MAIN@LATERAL
9022	26764038.9437	720020.2195	3430.28	TOP4"PVC LATERAL
9023	26764041.4476	720002.0023	3430.55	TOP4"PVC LATERAL
9025	26764015.0347	720017.6688	3429.73	TOP8"PVC MAIN@LATERAL
9026	26764015.5786	720018.5496	3430.03	TOP4"PVC LATERAL
9027	26764013.3329	720046.5467	3430.60	TOP4"PVC LATERAL
9029	26763982.8444	720013.2517	3429.40	TOP8"PVC MAIN IN
9030	26763979.9520	720012.8789	3428.56	SSMH CL BARREL
9031	26763977.0027	720013.2309	3429.15	TOP8"PVC MAIN OUT
10000	26763862.5910	720010.5280	3427.38	TOP8"PVC MAIN@LATERAL
10001	26763861.9782	720009.7822	3427.52	TOP4"PVC LATERAL
10002	26763842.8883	720011.1635	3428.07	TOP4"PVC LATERAL
10003	26763861.9106	719991.1902	3428.22	TOP8"PVC MAIN@LATERAL
10004	26763862.5284	719990.3853	3428.59	TOP4"PVC LATERAL
10005	26763889.8906	719989.6576	3429.46	TOP4"PVC LATERAL
10006	26763861.4192	719975.6385	3429.08	TOP8"PVC MAIN@LATERAL
10007	26763860.7023	719974.8487	3429.27	TOP4"PVC LATERAL
10008	26763839.2960	719975.8861	3430.15	TOP4"PVC LATERAL
10009	26763859.9754	719940.1611	3430.82	TOP8"PVC MAIN@LATERAL
10010	26763860.5533	719939.4133	3431.13	TOP4"PVC LATERAL
10011	26763886.4117	719938.4737	3431.72	TOP4"PVC LATERAL
10012	26763859.6703	719932.6777	3431.32	TOP8"PVC MAIN@LATERAL
10013	26763858.9634	719932.0039	3431.38	TOP4"PVC LATERAL
10014	26763836.8151	719931.4967	3431.96	TOP4"PVC LATERAL
10015	26763859.1509	719917.4370	3432.11	TOP8"PVC MAIN OUT
10016	26763859.0698	719913.9228	3432.48	TOP8"PVC MAIN IN
10017	26763860.1348	719888.1682	3433.68	TOP8"PVC MAIN@LATERAL
10018	26763859.5449	719887.3454	3433.87	TOP4"PVC LATERAL
10019	26763839.8451	719886.4572	3434.71	TOP4"PVC LATERAL
10020	26763860.0897	719885.9577	3433.81	TOP8"PVC MAIN@LATERAL
10021	26763860.8226	719885.2219	3433.91	TOP4"PVC LATERAL
10022	26763888.0358	719886.9197	3434.68	TOP4"PVC LATERAL
10023	26763861.7600	719841.9561	3435.41	TOP8"PVC MAIN@LATERAL
10024	26763861.1321	719841.4162	3435.54	TOP4"PVC LATERAL
10025	26763846.6362	719840.7458	3436.32	TOP4"PVC LATERAL
10026	26763845.8655	719779.1160	3438.90	TOP4"PVC LATERAL
10027	26763862.9918	719779.3944	3438.36	TOP4"PVC LATERAL
10028	26763863.6237	719780.0982	3438.35	TOP8"PVC MAIN@LATERAL
10029	26763864.5068	719756.4013	3439.21	TOP8"PVC MAIN@LATERAL
10030	26763863.8719	719755.5875	3439.51	TOP4"PVC LATERAL
10031	26763844.5190	719756.0800	3440.20	TOP4"PVC LATERAL
10032	26763864.7035	719748.1020	3439.44	TOP8"PVC MAIN OUT
10033	26763865.7671	719744.2438	3439.60	TOP8"PVC MAIN IN
10034	26763870.6798	719735.9914	3440.33	TOP8"PVC MAIN@LATERAL
10035	26763870.4698	719735.0457	3440.40	TOP4"PVC LATERAL
10036	26763851.5535	719723.6367	3440.84	TOP4"PVC LATERAL
10037	26763881.1441	719718.8558	3440.61	TOP8"PVC MAIN@LATERAL
10038	26763882.0149	719718.5438	3440.86	TOP4"PVC LATERAL
10039	26763905.3103	719732.6331	3441.72	TOP4"PVC LATERAL
10040	26763887.6633	719708.4088	3440.65	TOP8"PVC MAIN OUT
10041	26763891.0335	719705.7873	3441.07	TOP8"PVC MAIN IN
10042	26763893.1811	719705.4013	3441.34	TOP8"PVC MAIN@LATERAL
10043	26763893.7719	719704.5844	3441.40	TOP4"PVC LATERAL
10044	26763890.8180	719687.2153	3442.16	TOP4"PVC LATERAL
10045	26763911.3011	719702.0324	3442.08	TOP8"PVC MAIN@LATERAL
10046	26763911.9149	719701.2256	3442.27	TOP4"PVC LATERAL
10047	26763908.8101	719683.9274	3443.18	TOP4"PVC LATERAL
10048	26763946.1314	719695.6277	3443.57	TOP8"PVC MAIN@LATERAL

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, LLC

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

Date: March 30, 2016

Re: Sanitary Sewer Final Location Map
SUMMERLIN VILLAGE 23B, PARCEL U TEVARE UNIT 2
(Drawing No. 107Y4988-2, L-Civil No. 54407)

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: 03/30/2016



Signature

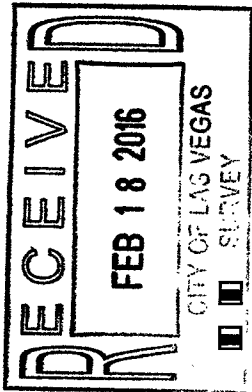
City Surveyor

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: TEVARE UNIT: 2 PHASE: _____
PROJECT LOCATION: ALTA & FOX HILL
CLV PLAN #: 107Y4988-2 CLV PROJECT # 54407 SHEET NO. (S): 2
OF MANHOLES 14 PUB. SEWER/STORM DRAIN LIN. FT. _____ # OF PRIVATE LATERALS _____
DEVELOPER: KB HOME PHONE: _____ FAX: _____
SURVEY CO.: TRI - CORE SURVEYING PHONE: _____ FAX: _____
CONTRACTOR: _____ PHONE: _____ FAX: _____
CONTRACTOR'S SUPERVISOR NAME: _____ MOBILE: _____
DATE OF REQUEST: _____

**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: 3/30/16 NOT ACCEPTABLE BY CITY SURVEYOR DATE _____

CLV SURVEYOR'S SIGNATURE: *Alan R. Rill* DATE: 3/30/16

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 H54407 SS2
PROJECT NAME SUMMERLIN VILLAGE 23B, PARCEL U TEVARE UNIT 2
WORK AUTH. NO. P28000
SUBMITTED BY Tri-Core Surveying
PROJECT TYPE CIP ☐ Land Dev ☐ Street Rehab ☐
DATE 3/29/16
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