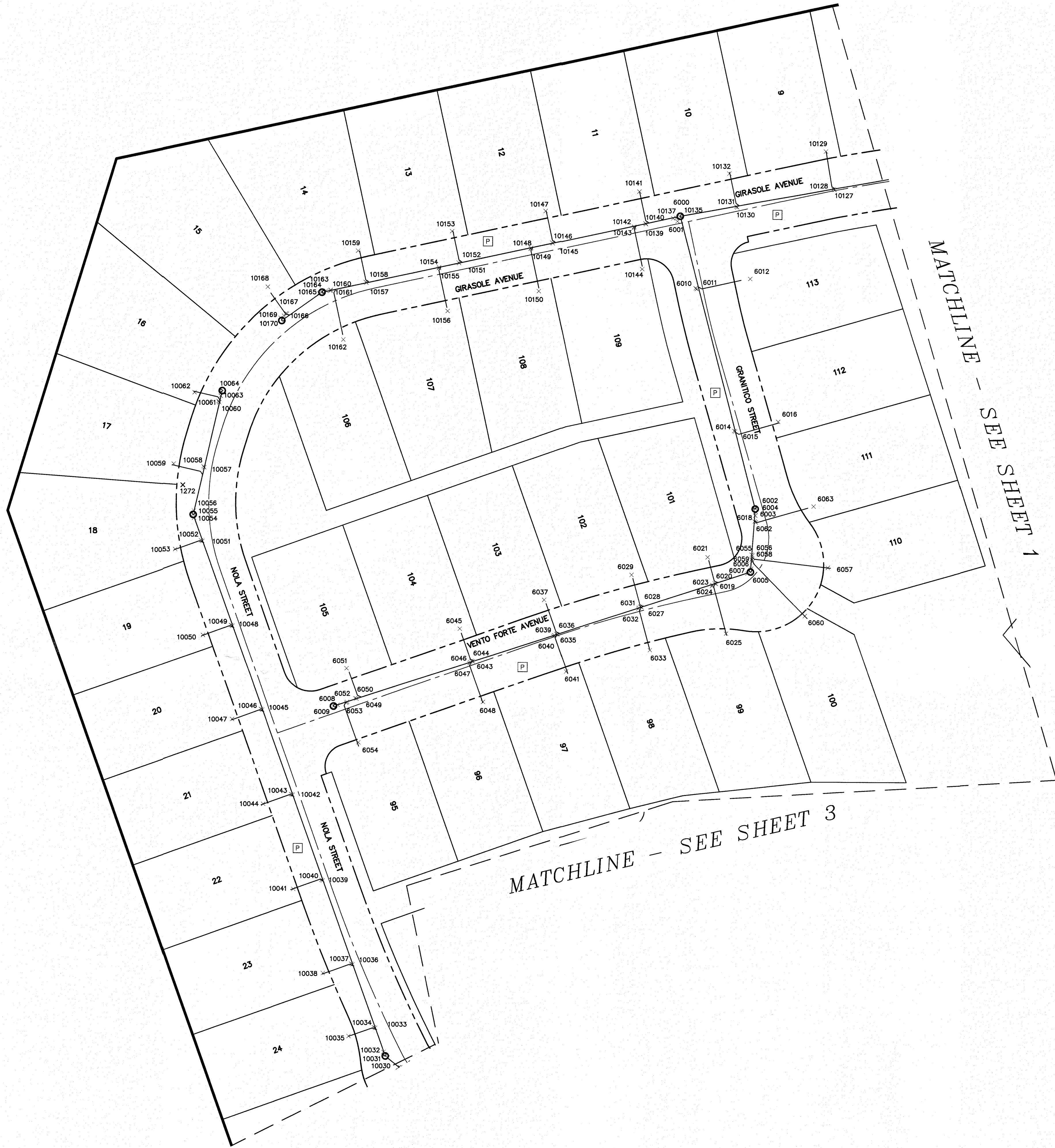


GRAPHIC SCALE
(IN FEET)
1 inch = 40 ft.

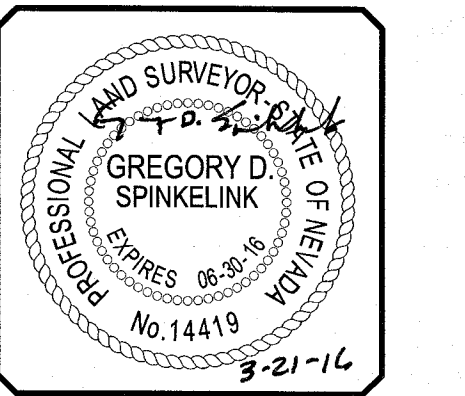
LEGEND

- SUBDIVISION BOUNDARY
- PROPERTY LINE
- RIGHT OF WAY
- CENTERLINE
- SEWER LINE
- LOT NUMBER
- SEWER MANHOLE
- AS-BUILT POINT NUMBER
- PRIVATE STREET, PUBLIC UTILITY EASEMENT, PUBLIC SEWER EASEMENT, AND PUBLIC DRAINAGE EASEMENT

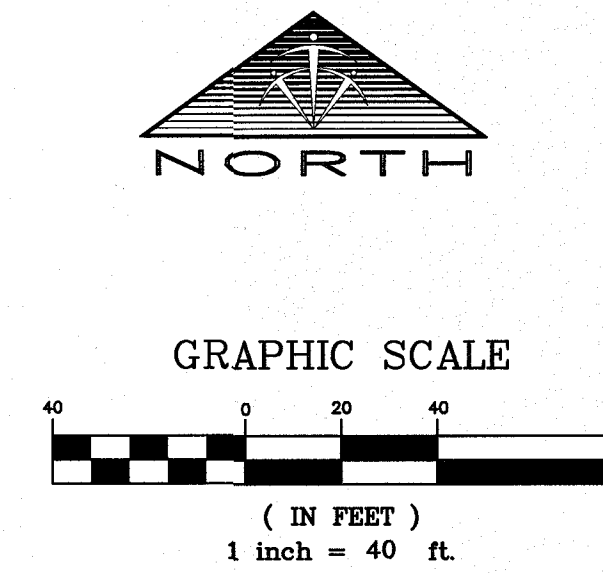
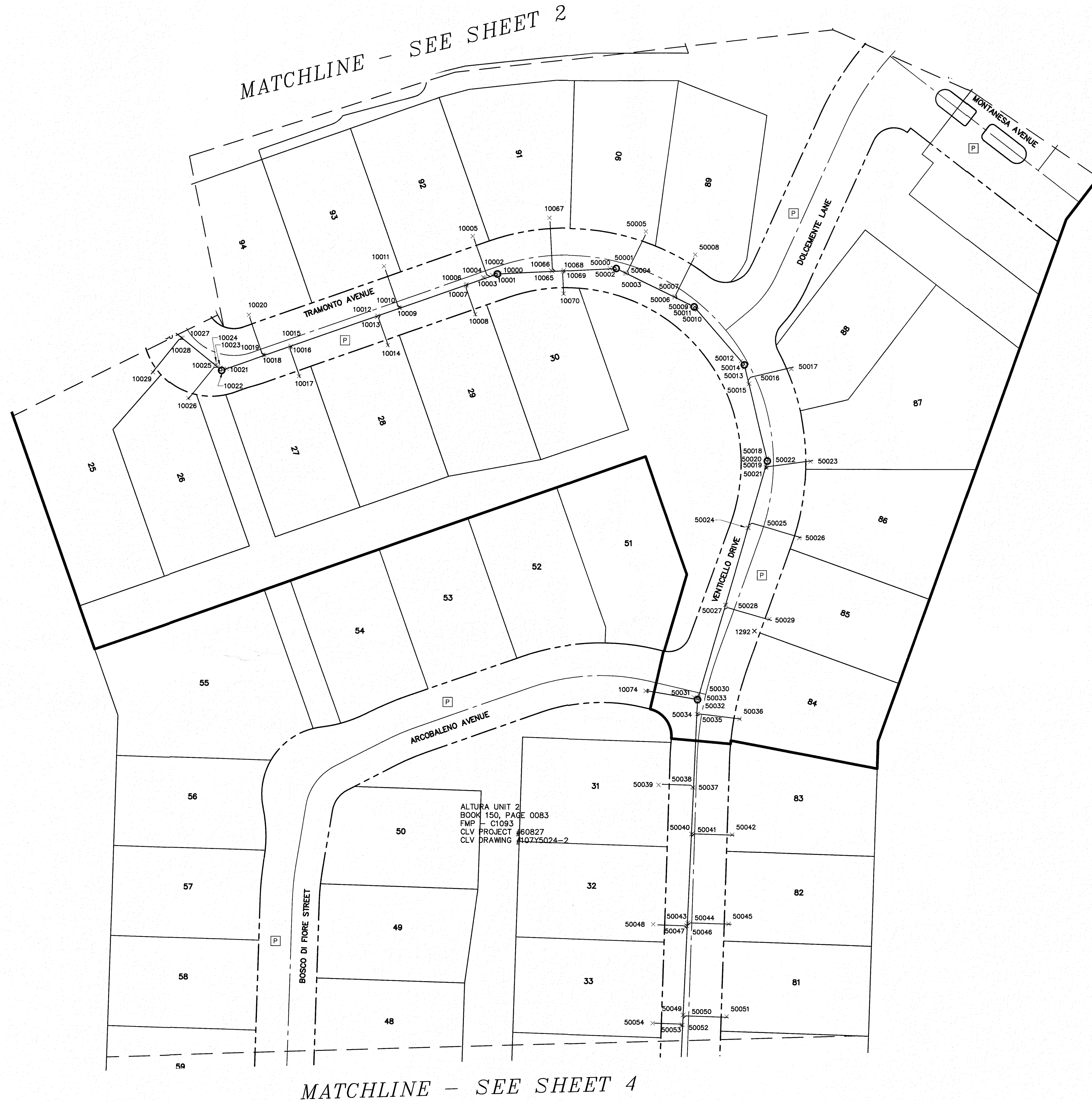
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PM :		RWP	NO. DESCRIPTION	40
DRAWN BY :		GS	APP'D	
CHECKED BY :		GS	DATE	
ADA CHECKED :				
JOB NO. :	13015.0002			
SCALE :	1 inch = 40 ft.			

TRI-CORE SURVEYING, LLC
LAND SURVEYING · CONSTRUCTION STAKING
BOUNDARY & LAND DEVELOPMENT SERVICES
MAPPING & TOPOGRAPHIC SURVEYS
6761 WEST CHARLESTON BLVD.
LAS VEGAS, NEVADA 89146
TEL (702) 821-1554 FAX (702) 870-4378

TOLL SOUTH LV, LLC
SUMMERLIN VILLAGE 23B, PARCEL Q
ALTURA - UNIT 1
SANITARY SEWER FINAL LOCATION MAP



P:\13015.0002 Altura Summerlin Village 23B\Construction\Submittals\UNIT 1 SEWER & SD ASBUILTS\3D\UNIT 1 SEWER\SEWER ASBUILT.dwg rpyon Fri, 18 Mar 2016 - 12:40pm



LEGEND

- SUBDIVISION BOUNDARY
- PROPERTY LINE
- RIGHT OF WAY
- CENTERLINE
- SEWER LINE
- LOT NUMBER
- SEWER MANHOLE
- AS-BUILT POINT NUMBER
- PRIVATE STREET, PUBLIC UTILITY EASEMENT, PUBLIC SEWER EASEMENT, AND PUBLIC DRAINAGE EASEMENT

DATE : 3/18/2016		NO. DESCRIPTION	DATE	APP'D
PM :	IN :			
DRAWN BY :	RWP			
DESIGNED BY :	GS			
CHECKED BY :				
ADA CHECKED :				
JOB NO. :	13015.0002			
SCALE :	40			

TRI-CORE SURVEYING, LLC
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ALTURA - UNIT 1
SANITARY SEWER FINAL LOCATION MAP

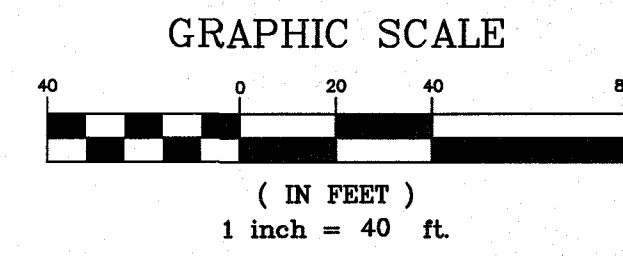
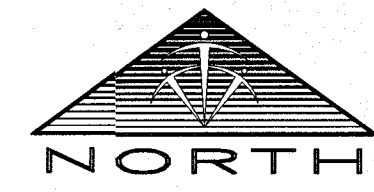
PROFESSIONAL LAND SURVEYOR
GREGORY D. SPINKELINK
EXPIRES 8-31-18
No. 14419
9-21-16

SHEET
3
OF 6

CLV PROJECT H#57695
CLV DRAWING #107Y5024
FMP-57804

P:\13015.0002 Altura Summerlin Village 23B\Construction\Abultura\UNIT 1 SEWER & SD ASBUILT\SD\UNIT 1 SEWER SEWER ASBUILT.dwg rroyen Fri, 18 Mar 2016 12:55pm

MATCHLINE - SEE SHEET 3



LEGEND

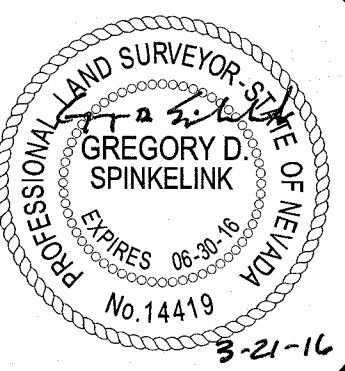
- SUBDIVISION BOUNDARY
- PROPERTY LINE
- RIGHT OF WAY
- CENTERLINE
- SEWER LINE
- LOT NUMBER
- SEWER MANHOLE
- AS-BUILT POINT NUMBER
- PRIVATE STREET, PUBLIC UTILITY EASEMENT, PUBLIC SEWER EASEMENT, AND PUBLIC DRAINAGE EASEMENT

TRI-CORE
SURVEYING, LLC

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SUMMERLIN VILLAGE 23B, PARCEL Q

ALTURA - UNIT 1
SANITARY SEWER FINAL LOCATION MAP



DATE :	3/18/2016
PM :	INK
DRAWN BY :	RWP
DESIGNED BY :	GS
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ADA CHECKED :	
JOB NO. :	13015.0002
SCALE :	40

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Point #	Point Table			Raw Description
	Northing	Easting	Elevation	
6044	26765298.96	721966.28	3389.47	TOP 4" PVC LATERAL
6045	26765322.28	721957.74	3391.32	TOP 4" PVC LATERAL
6046	26765298.08	721965.38	3389.40	TOP 8" PVC MAIN
6047	26765297.35	721964.79	3389.43	TOP 4" PVC LATERAL
6048	26765269.07	721974.68	3390.43	TOP 4" PVC LATERAL
6049	26765271.16	721883.13	3391.44	TOP 8" PVC MAIN
6050	26765271.43	721882.22	3391.48	TOP 4" PVC LATERA
6051	26765293.38	721875.95	3393.21	TOP 4" PVC LATERA
6052	26765268.82	721876.32	3391.57	TOP 8" PVC MAIN
6053	26765268.18	721875.82	3391.74	TOP 4" PVC LATERAL
6054	26765239.46	721884.52	3393.00	TOP 4" PVC LATERAL
6055	26765376.70	722168.68	3383.67	TOP 8" PVC MAIN
6056	26765376.16	722169.28	3383.88	TOP 4" PVC LATERAL
6057	26765367.38	722223.92	3385.08	TOP 4" PVC LATERAL
6058	26765371.56	722169.25	3383.97	TOP 4" PVC LATERAL
6059	26765373.09	722168.58	3383.77	TOP 8" PVC MAIN
6060	26765332.12	722207.27	3385.40	TOP 4" PVC LATERAL
6062	26765399.87	722171.61	3383.60	TOP 4" PVC LATERAL
6063	26765411.54	722213.48	3385.93	TOP 4" PVC LATERAL
10000	26765052.22	722144.52	3371.09	TOP 8" PVC MAIN OUT
10001	26765052.10	722141.76	3370.73	SSMH CL BARREL
10002	26765051.17	722139.17	3371.56	TOP 8" PVC MAIN IN
10003	26765049.16	722133.64	3371.87	TOP 8" PVC MAIN
10004	26765049.53	722132.72	3371.95	TOP 4" PVC LATERAL
10005	26765079.26	722125.08	3373.63	TOP 4" PVC LATERAL
10006	26765044.53	722120.76	3372.58	TOP 8" PVC MAIN
10007	26765043.66	722120.25	3372.64	TOP 4" PVC LATERAL
10008	26765022.88	722127.03	3373.73	TOP 4" PVC LATERAL
10009	26765027.27	722072.60	3374.88	TOP 8" PVC MAIN
10010	26765027.60	722071.76	3375.04	TOP 4" PVC LATERAL
10011	26765057.31	722060.90	3377.19	TOP 4" PVC LATERAL
10012	26765021.53	722056.45	3375.62	TOP 8" PVC MAIN
10013	26765020.66	722055.99	3375.74	TOP 4" PVC LATERAL
10014	26765000.24	722063.85	3376.88	TOP 4" PVC LATERA
10015	26764999.28	722093.85	3378.72	TOP 8" PVC MAIN
10016	26764998.45	721993.42	3378.71	TOP 4" PVC LATERAL
10017	26764977.59	721999.68	3380.32	TOP 4" PVC LATERAL
10018	26764992.46	721974.65	3379.60	TOP 8" PVC MAIN
10019	26764992.85	721973.69	3379.72	TOP 4" PVC LATERAL
10020	26765021.75	721963.12	3381.62	TOP 4" PVC LATERAL
10021	26764982.64	721947.17	3380.79	TOP 8" PVC MAIN OUT
10022	26764981.67	721944.63	3380.60	SSMH CL BARREL
10023	26764983.45	721942.55	3381.19	TOP 8" PVC MAIN IN
10024	26764985.64	721939.83	3381.32	TOP 8" PVC MAIN
10025	26764985.49	721938.82	3381.47	TOP 4" PVC LATERAL
10026	26764961.53	721919.46	3383.16	TOP 4" PVC LATERAL
10027	26765004.85	721915.20	3382.56	TOP 8" PVC MAIN
10028	26765004.87	721914.18	3382.69	TOP 4" PVC LATERAL
10029	26764980.31	721894.03	3384.60	TOP 4" PVC LATERAL
10030	26765011.91	721906.16	3382.99	TOP 8" PVC MAIN OUT

Point Table				
Point #	Northing	Easting	Elevation	Raw Description
10031	26765013.78	721903.86	3382.56	SSMH CL BARREL
10032	26765016.08	721903.13	3383.21	TOP 8" PVC MAIN IN
10033	26765033.40	721896.99	3383.92	TOP 8" PVC MAIN
10034	26765033.95	721896.09	3384.10	TOP 4" PVC LATERAL
10035	26765027.45	721877.83	3385.39	TOP 4" PVC LATERAL
10036	26765079.36	721880.61	3385.63	TOP 8" PVC MAIN
10037	26765079.81	721879.66	3385.70	TOP 4" PVC LATERA
10038	26765073.03	721859.18	3387.43	TOP 4" PVC LATERAL
10039	26765139.79	721858.95	3387.98	TOP 8" PVC MAIN
10040	26765140.21	721858.08	3388.06	TOP 4" PVC LATERAL
10041	26765133.61	721837.61	3389.39	TOP 4" PVC LATERAL
10042	26765201.61	721836.96	3390.13	TOP 8" PVC MAIN
10043	26765202.06	721836.04	3390.43	TOP 4" PVC LATERAL
10044	26765195.00	721815.60	3392.59	TOP 4" PVC LATERAL
10045	26765263.06	721814.85	3392.70	TOP 8" PVC MAIN
10046	26765263.49	721813.96	3392.72	TOP 4" PVC LATERAL
10047	26765256.29	721792.94	3393.76	TOP 4" PVC LATERAL
10048	26765324.14	721792.99	3394.95	TOP 8" PVC MAIN
10049	26765324.61	721792.13	3395.12	TOP 4" PVC LATERAL
10050	26765317.46	721771.80	3396.33	TOP 4" PVC LATERAL
10051	26765385.24	721771.22	3397.25	TOP 8" PVC MAIN
10052	26765385.66	721770.32	3397.34	TOP 4" PVC LATERAL
10053	26765379.29	721751.67	3398.73	TOP 4" PVC LATERAL
10054	26765401.92	721765.35	3397.95	TOP 8" PVC MAIN OUT
10055	26765404.48	721764.43	3397.45	SSMH CL BARREL
10056	26765407.13	721765.17	3398.26	TOP 8" PVC MAIN IN
10057	26765438.35	721772.51	3399.11	TOP 8" PVC MAIN
10058	26765439.17	721772.00	3399.25	TOP 4" PVC LATERAL
10059	26765440.95	721750.51	3400.66	TOP 4" PVC LATERAL
10060	26765485.22	721763.30	3400.71	TOP 8" PVC MAIN
10061	26765486.09	721782.84	3400.67	TOP 4" PVC LATERAL
10062	26765492.37	721765.44	3401.77	TOP 4" PVC LATERAL
10063	26765489.92	721784.36	3400.90	TOP 8" PVC MAIN OUT
10064	26765492.67	721785.10	3400.33	SSMH CL BARREL
10065	26765054.19	722182.51	3369.24	TOP 8" PVC MAIN
10066	26765054.79	722181.76	3369.34	TOP 4" PVC LATERAL
10067	26765092.70	722180.44	3370.89	TOP 4" PVC LATERAL
10068	26765054.82	722190.92	3368.67	TOP 8" PVC MAIN
10069	26765054.06	722190.29	3368.72	TOP 4" PVC LATERAL
10070	26765038.09	722190.78	3369.29	TOP 4" PVC LATERAL
10071	26765220.45	722455.87	3351.88	SSMH CL BARREL
10072	26765218.84	722458.16	3351.40	TOP 8" PVC MAIN OUT
10074	26764751.35	722250.84	3359.46	TOP 8" PVC MAIN CAP
10075	26763998.39	722231.90	3336.85	TOP 8" PVC MAIN CAP
10076	26765196.94	722486.46	3350.91	TOP 8"PVC MAIN POC
10088	26765382.12	722578.18	3358.33	TOP 8" PVC MAIN OUT
10089	26765386.68	722578.35	3358.52	TOP 8" PVC MAIN IN
10090	26765384.55	722580.09	3359.03	SSMH CL BARREL
10091	26765425.86	722552.54	3360.14	TOP 8" PVC MAIN
10092	26765426.80	722552.67	3360.13	TOP 4" PVC LATERAL

Point Table				
Point #	Northing	Easting	Elevation	Raw Description
10093	26765439.63	722573.35	3361.36	TOP 4" PVC LATERAL
10094	26765465.43	722526.52	3361.64	TOP 8" PVC MAIN
10095	26765466.32	722526.73	3361.69	TOP 4" PVC LATERAL
10096	26765478.43	722542.31	3362.34	TOP 4" PVC LATERAL
10097	26765501.70	722502.41	3362.92	TOP 8" PVC MAIN
10098	26765502.01	722501.53	3363.02	TOP 4" PVC LATERAL
10099	26765481.36	722472.30	3364.14	TOP 4" PVC LATERAL
10100	26765528.78	722484.77	3364.02	TOP 8" PVC MAIN
10101	26765529.79	722484.94	3364.10	TOP 4" PVC LATERAL
10102	26765539.81	722501.33	3364.86	TOP 4" PVC LATERAL
10103	26765555.75	722467.11	3365.07	TOP 8" PVC MAIN
10104	26765555.96	722466.19	3365.08	TOP 4" PVC LATERAL
10105	26765537.56	722436.48	3365.95	TOP 4" PVC LATERAL
10106	26765631.10	722417.80	3367.93	TOP 8" PVC MAIN
10107	26765632.05	722418.03	3368.00	TOP 4" PVC LATERAL
10108	26765642.98	722437.19	3368.66	TOP 4" PVC LATERAL
10109	26765636.61	722414.25	3368.04	TOP 8" PVC MAIN
10110	26765636.90	722413.40	3368.20	TOP 4" PVC LATERAL
10111	26765622.27	722384.97	3369.48	TOP 4" PVC LATERAL
10112	26765647.21	722407.33	3368.50	TOP 8" PVC MAIN
10113	26765648.13	722407.45	3368.61	TOP 4" PVC LATERAL
10114	26765664.58	722431.13	3369.36	TOP 4" PVC LATERAL
10115	26765668.46	722393.58	3369.30	TOP 8" PVC MAIN OUT
10116	26765670.22	722389.40	3369.54	TOP 8" PVC MAIN IN
10117	26765671.24	722391.96	3369.74	SSMH CL BARREL
10118	26765668.49	722380.45	3369.92	TOP 8" PVC MAIN
10119	26765668.96	722379.63	3370.06	TOP 4" PVC LATERAL
10120	26765700.92	722372.56	3372.30	TOP 4" PVC LATERAL
10121	26765664.76	722360.50	3370.79	TOP 8" PVC MAIN
10122	26765665.17	722359.66	3370.98	TOP 4" PVC LATERAL
10123	26765694.80	722356.27	3372.54	TOP 4" PVC LATERAL
10124	26765652.76	722296.16	3373.72	TOP 8" PVC MAIN
10125	26765653.25	722295.27	3373.79	TOP 4" PVC LATERAL
10126	26765678.37	722289.97	3376.18	TOP 4" PVC LATERAL
10127	26765640.34	722228.39	3376.60	TOP 8" PVC MAIN
10128	26765640.85	722227.57	3376.86	TOP 4" PVC LATERAL
10129	26765667.93	722222.10	3380.50	TOP 4" PVC LATERAL
10130	26765627.49	722157.78	3379.54	TOP 8" PVC MAIN
10131	26765628.00	722156.97	3379.37	TOP 4" PVC LATERAL
10132	26765651.80	722151.96	3382.98	TOP 4" PVC LATERAL
10135	26765620.26	722116.52	3381.44	TOP 8" PVC MAIN OUT
10137	26765619.38	722111.42	3381.85	TOP 8" PVC MAIN IN
10139	26765615.16	722091.68	3383.18	TOP 8" PVC MAIN
10140	26765615.78	722091.34	3382.98	TOP 4" PVC LATERAL
10141	26765638.67	722086.87	3387.76	TOP 4" PVC LATERAL
10142	26765613.25	722083.10	3383.58	TOP 8" PVC MAIN
10143	26765612.59	722082.92	3383.68	TOP 4" PVC LATERAL
10144	26765582.72	722089.01	3388.01	TOP 4" PVC LATERAL
10145	26765600.94	722024.36	3386.59	TOP 8" PVC MAIN
10146	26765601.39	722023.93	3386.76	TOP 4" PVC LATERAL

Point Table				
Point #	Northing	Easting	Elevation	Raw Description
10147	26765624.18	722019.10	3391.89	TOP 4" PVC LATERAL
10148	26765597.54	722008.69	3387.22	TOP 8" PVC MAIN
10149	26765596.85	722008.37	3387.38	TOP 4" PVC LATERAL
10150	26765566.41	722014.32	3391.65	TOP 4" PVC LATERAL
10151	26765586.44	721956.64	3389.90	TOP 8" PVC MAIN
10152	26765586.91	721956.22	3390.06	TOP 4" PVC LATERAL
10153	26765609.38	721951.57	3395.73	TOP 4" PVC LATERAL
10154	26765583.38	721942.27	3390.64	TOP 8" PVC MAIN
10155	26765582.77	721942.05	3390.84	TOP 4" PVC LATERAL
10156	26765551.75	721948.51	3395.88	TOP 4" PVC LATERAL
10157	26765572.06	721889.63	3393.44	TOP 8" PVC MAIN
10158	26765572.51	721889.17	3393.63	TOP 4" PVC LATERAL
10159	26765595.02	721883.65	3399.52	TOP 4" PVC LATERAL
10160	26765566.78	721863.84	3394.65	TOP 8" PVC MAIN
10161	26765566.10	721863.64	3394.96	TOP 4" PVC LATERAL
10162	26765530.93	721873.10	3398.97	TOP 4" PVC LATERAL
10163	26765566.14	721860.41	3394.79	TOP 8" PVC MAIN OUT
10164	26765565.42	721857.77	3394.30	SSMH CL BARREL
10165	26765564.23	721855.50	3394.98	TOP 8" PVC MAIN IN
10166	26765549.38	721832.28	3396.96	TOP 8" PVC MAIN
10167	26765549.75	721831.72	3397.10	TOP 4" PVC LATERAL
10168	26765568.87	721818.41	3402.00	TOP 4" PVC LATERAL
10169	26765547.94	721830.14	3397.24	TOP 8" PVC MAIN OUT
10170	26765546.43	721827.75	3396.70	SSMH CL BARREL
50000	26765056.61	722224.12	3366.75	TOP 8" PVC MAIN IN
50001	26765055.90	722229.24	3366.43	TOP 8" PVC MAIN OUT
50002	26765056.90	722226.56	3365.86	SSMH CL BARREL
50003	26765052.79	722235.50	3366.04	TOP 8" PVC MAIN
50004	26765053.72	722235.27	3366.14	TOP 4" PVC LATERAL
50005	26765083.47	722250.12	3367.16	TOP 4" PVC LATERAL
50006	26765035.67	722271.21	3363.86	TOP 8" PVC MAIN
50007	26765036.44	722271.06	3364.07	TOP 4" PVC LATERAL
50008	26765066.58	722285.99	3365.00	TOP 4" PVC LATERAL
50009	26765029.83	722283.16	3363.16	TOP 8" PVC MAIN IN
50010	26765026.65	722287.33	3362.86	TOP 8" PVC MAIN OUT
50011	26765029.03	722285.70	3363.53	SSMH CL BARREL
50012	26764990.08	722319.19	3360.80	TOP 8" PVC MAIN IN
50013	26764985.42	722321.70	3360.58	TOP 8" PVC MAIN OUT
50014	26764988.24	722321.32	3360.98	SSMH CL BARREL
50015	26764973.43	722324.77	3360.49	TOP 8" PVC MAIN
50016	26764973.90	722325.30	3360.59	TOP 4" PVC LATERAL
50017	26764984.61	722355.80	3360.77	TOP 4" PVC LATERAL
50018	26764919.59	722338.01	3359.99	TOP 8" PVC MAIN IN
50019	26764914.39	722337.68	3359.73	TOP 8" PVC MAIN OUT
50020	26764916.91	722338.80	3360.22	SSMH CL BARREL
50021	26764913.11	722337.34	3359.77	TOP 8" PVC MAIN
50022	26764913.23	722337.99	3359.90	TOP 4" PVC LATERAL
50023	26764917.50	722369.95	3360.05	TOP 4" PVC LATERAL
50024	26764869.70	722324.54	3359.39	TOP 8" PVC MAIN
50025	26764869.92	722325.21	3359.48	TOP 4" PVC LATERAL

Point Table				
Point #	Northing	Easting	Elevation	Raw Description
50026	26764862.45	722361.94	3360.66	TOP 4" PVC LATERAL
50027	26764813.86	722308.15	3358.81	TOP 8" PVC MAIN
50028	26764814.08	722308.84	3358.98	TOP 4" PVC LATERAL
50029	26764803.72	722340.37	3359.31	TOP 4" PVC LATERAL
50030	26764748.96	722289.21	3357.97	TOP 8" PVC MAIN IN
50031	26764746.69	722285.73	3358.09	TOP 8" PVC MAIN IN
50032	26764743.61	722288.39	3357.79	TOP 8" PVC MAIN OUT
50033	26764746.19	722288.64	3357.31	SSMH CL BARREL
50034	26764734.55	722287.99	3357.56	TOP 8" PVC MAIN
50035	26764734.83	722288.72	3357.60	TOP 4" PVC LATERAL
50036	26764731.14	722318.80	3358.60	TOP 4" PVC LATERAL
50037	26764681.27	722285.54	3355.58	TOP 8" PVC MAIN
50038	26764681.67	722284.89	3355.63	TOP 4" PVC LATERAL
50039	26764683.35	722260.32	3357.54	TOP 4" PVC LATERAL
50040	26764647.88	722284.07	3354.42	TOP 8" PVC MAIN
50041	26764648.34	722284.80	3354.54	TOP 4" PVC LATERAL
50042	26764647.53	722313.54	3355.49	TOP 4" PVC LATERAL
50043	26764583.46	722281.30	3352.00	TOP 8" PVC MAIN
50044	26764583.99	722281.92	3352.04	TOP 4" PVC LATERAL
50045	26764583.10	722311.09	3353.62	TOP 4" PVC LATERAL
50046	26764581.39	722281.21	3351.97	TOP 8" PVC MAIN
50047	26764581.80	722280.61	3352.04	TOP 4" PVC LATERAL
50048	26764582.61	722256.69	3355.17	TOP 4" PVC LATERAL
50049	26764517.03	722278.23	3349.68	TOP 8" PVC MAIN
50050	26764517.42	722278.81	3349.76	TOP 4" PVC LATERAL
50051	26764516.16	722309.88	3351.06	TOP 4" PVC LATERAL
50052	26764510.07	722278.00	3349.41	TOP 8" PVC MAIN
50053	26764510.38	722277.18	3349.45	TOP 4" PVC LATERAL
50054	26764511.18	722256.44	3351.79	TOP 4" PVC LATERAL
50055	26764458.79	722275.59	3347.56	TOP 8" PVC MAIN
50056	26764459.25	722274.94	3347.60	TOP 4" PVC LATERAL
50057	26764459.69	722253.48	3350.03	TOP 4" PVC LATERAL
50058	26764456.86	722275.54	3347.50	TOP 8" PVC MAIN
50059	26764457.23	722276.22	3347.58	TOP 4" PVC LATERAL
50060	26764455.73	722308.14	3348.96	TOP 4" PVC LATERAL
50061	26764441.72	722275.06	3346.81	TOP 8" PVC MAIN IN
50062	26764436.21	722274.88	3346.58	TOP 8" PVC MAIN OUT
50063	26764439.07	722275.01	3346.02	SSMH CL BARREL
50064	26764386.71	722273.57	3344.94	TOP 8" PVC MAIN
50065	26764387.01	722274.17	3345.05	TOP 4" PVC LATERAL
50066	26764385.82	722304.24	3345.57	TOP 4" PVC LATERAL
50067	26764370.92	722273.08	3344.38	TOP 8" PVC MAIN
50068	26764371.28	722272.46	3344.47	TOP 4" PVC LATERAL
50069	26764373.04	722250.86	3346.72	TOP 4" PVC LATERAL
50070	26764321.88	722271.41	3342.85	TOP 8" PVC MAIN
50071	26764322.23	722272.05	3342.81	TOP 4" PVC LATERAL
50072	26764321.45	722303.95	3343.73	TOP 4" PVC LATERAL
50073	26764302.54	722270.81	3342.25	TOP 8" PVC MAIN
50074	26764302.97	722270.26	3342.34	TOP 4" PVC LATERAL
50075	26764304.03	722248.63	3344.29	TOP 4" PVC LATERAL

Point Table				
Point #	Northing	Easting	Elevation	Raw Description
50076	26764256.39	722269.37	3340.70	TOP 8" PVC MAIN
50077	26764256.82	722270.13	3340.90	TOP 4" PVC LATERAL
50078	26764256.22	722301.67	3341.69	TOP 4" PVC LATERAL
50079	26764233.58	722268.67	3340.11	TOP 8" PVC MAIN
50080	26764233.90	722268.14	3340.15	TOP 4" PVC LATERAL
50081	26764234.86	722246.45	3342.20	TOP 4" PVC LATERAL
50082	26764186.18	722267.02	3338.71	TOP 8" PVC MAIN
50083	26764186.52	722266.47	3338.76	TOP 4" PVC LATERAL
50084	26764186.17	722245.80	3340.76	TOP 4" PVC LATERAL
50085	26764180.75	722267.07	3338.45	TOP 8" PVC MAIN IN
50086	26764175.58	722267.49	3338.20	TOP 8" PVC MAIN OUT
50087	26764177.99	722266.92	3337.66	SSMH CL BARREL
50088	26764157.86	722272.10	3337.89	TOP 8" PVC MAIN
50089	26764158.23	722272.64	3338.08	TOP 4" PVC LATERAL
50090	26764165.26	722303.63	3338.87	TOP 4" PVC LATERAL
50091	26764113.49	722282.84	3337.24	TOP 8" PVC MAIN
50092	26764113.71	722282.15	3337.30	TOP 4" PVC LATERAL
50093	26764108.19	722259.97	3339.21	TOP 4" PVC LATERAL
50094	26764092.04	722288.20	3337.05	TOP 8" PVC MAIN
50095	26764092.53	722288.74	3337.14	TOP 4" PVC LATERAL
50096	26764101.56	722320.08	3338.38	TOP 4" PVC LATERAL
50097	26764053.41	722297.61	3336.55	TOP 8" PVC MAIN
50098	26764053.67	722296.83	3336.75	TOP 4" PVC 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

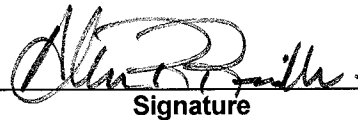
Tim Parks, P.E., Engineering Project Manager
Sanitary Sewers Section, Engineering Planning

Date: April 7, 2016

Re: Sanitary Sewer Final Location Map
ALTURA UNIT 1
(Drawing No. 107Y5024, L-Civil No. 57695)

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:

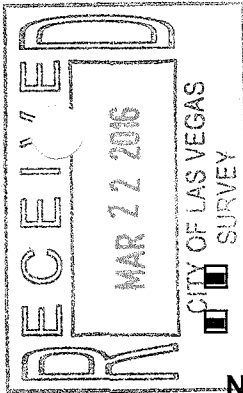
Acceptable: April 7, 2016


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: ALTURA UNIT: 1 PHASE:

PROJECT LOCATION: ALTA & ANTELOPE RIDGE

CLV PLAN #: 107Y5024 CLV PROJECT # 57695 SHEET NO. (S): 6

OF MANHOLES 23 PUB. SEWER/STORM DRAIN LIN. FT. # OF PRIVATE LATERALS

DEVELOPER: TOLL SOUTH LV 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: 4/7/16 NOT ACCEPTABLE BY CITY SURVEYOR DATE

CLV SURVEYOR'S SIGNATURE: *Alan R. B. [Signature]* DATE: 4/17/16

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 H57695 SS1
PROJECT NAME ALTURA UNIT 1
WORK AUTH. NO. P28000
SUBMITTED BY TRI-CORE SURVEYING
PROJECT TYPE CIP ☐ Land Dev ☐ Street Rehab ☐
DATE 4/7/2016
REVIEWED BY O. 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