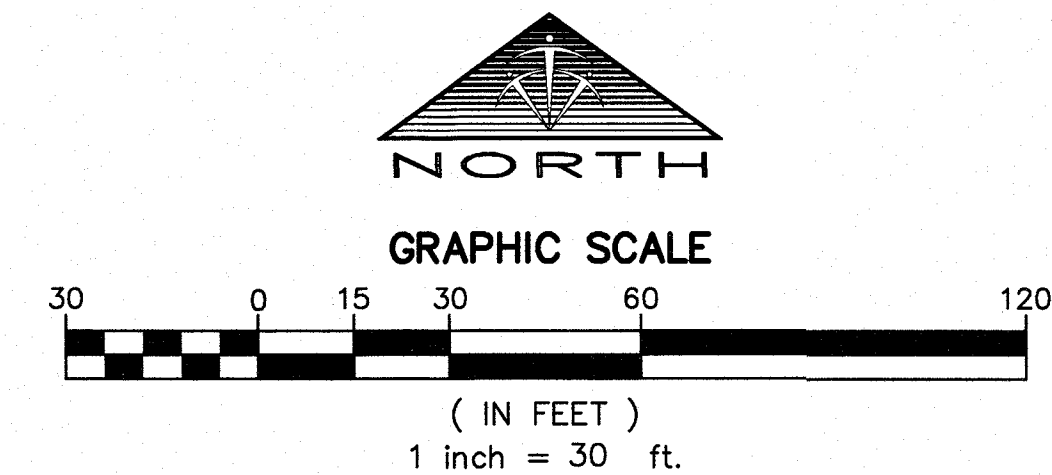
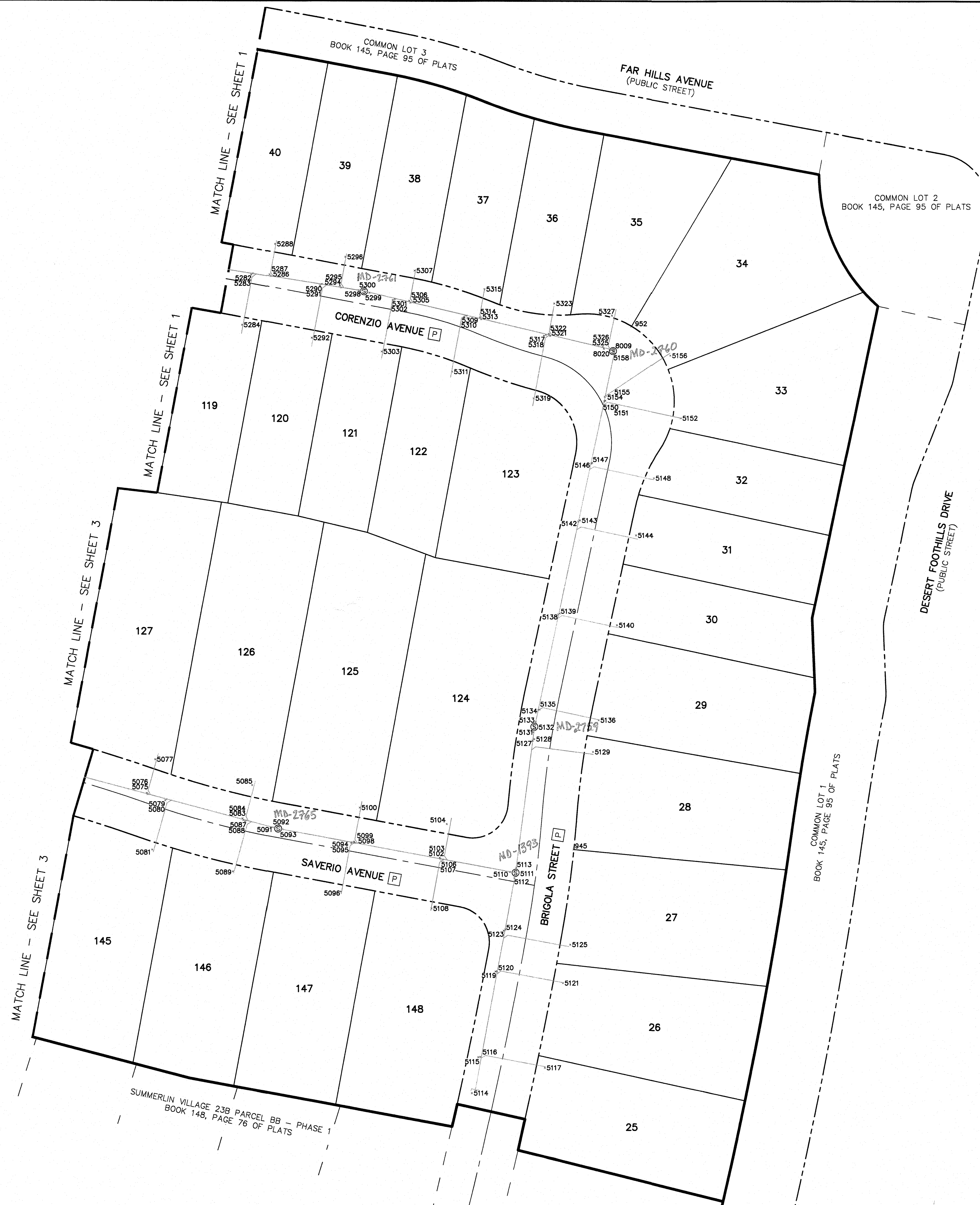


P:\15015.0008 - Estrella Phase 2\Construction\Submittal\Sawer As-built\S5_Asbuilt_Estrella Tidwg rdyw Thu, 14 Jul 2016 - 10:09am



LEGEND

- SUBDIVISION BOUNDARY
- STREET CENTERLINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- ASSESSOR'S PARCEL LINE
- EXISTING SEWER LINE
- DESIGN SEWER LINE
- 9 LOT NUMBER
- Ⓢ DESIGN SEWER LINE
- 5100 AS-BUILT POINT NUMBER
- [P] PRIVATE STREET, PUBLIC SEWER EASEMENT, PUBLIC DRAINAGE EASEMENT, AND PUBLIC UTILITY EASEMENT (P.U.E.)

HORIZONTAL DATUM

HORIZONTAL DATUM SHOWN HEREON IS BASED UPON NORTH AMERICAN DATUM OF 1983 (NAD 83 (2011) EPOCH 2010.00 REALIZATION), NEVADA STATE PLANE COORDINATE SYSTEM EAST ZONE (2701).

BENCHMARK

CITY OF LAS VEGAS BENCHMARK: SLV09 34NE6

BEING A RIVET AND PLATE IN TOP OF CURB AT THE NORTHEAST CORNER OF DESERT FOOTHILLS DRIVE AND ALTA DRIVE

ELEVATION: 3304.45 (U.S. SURVEY FEET)
1007.197 (METERS)

BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88), CITY OF LAS VEGAS 2008 ADJUSTMENT

NOTE

THE PURPOSE OF THIS SURVEY IS TO PROVIDE AS-BUILT INFORMATION FOR THE SANITARY SEWER FACILITIES IN SUMMERLIN VILLAGE 23B PARCEL BB - PHASE 2, BOOK 150, PAGE 37 OF PLATS, SITUATE IN THE EAST HALF (E 1/2) OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AND THE SURVEY WAS COMPLETED ON JANUARY 22, 2016.

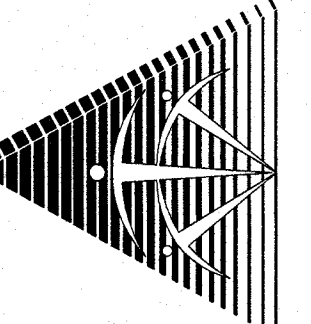
THE POSITIONAL CERTAINTY OF THE AS-BUILT INFORMATION SHOWN HEREON IS WITHIN +/- 0.3' HORIZONTALLY AND VERTICALLY.

TRI-CORE SURVEYING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FOR THE CONVENIENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY TRI-CORE SURVEYING IN WRITING IMMEDIATELY.

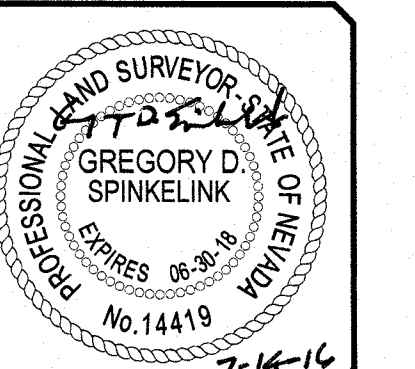
CLV PROJECT H# 60098
CLV DRAWING# 107Y5017-2
FMP-60273

DATE	DESCRIPTION	NO.	APPROVED
7/14/2016	GS		
PM	GS		
DRAWN BY	RD		
DESIGNED BY	GS		
CHECKED BY	GS		
ADA CHECKED			
JOB NO.	15015.0008		
SCALE	1"=30'		

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

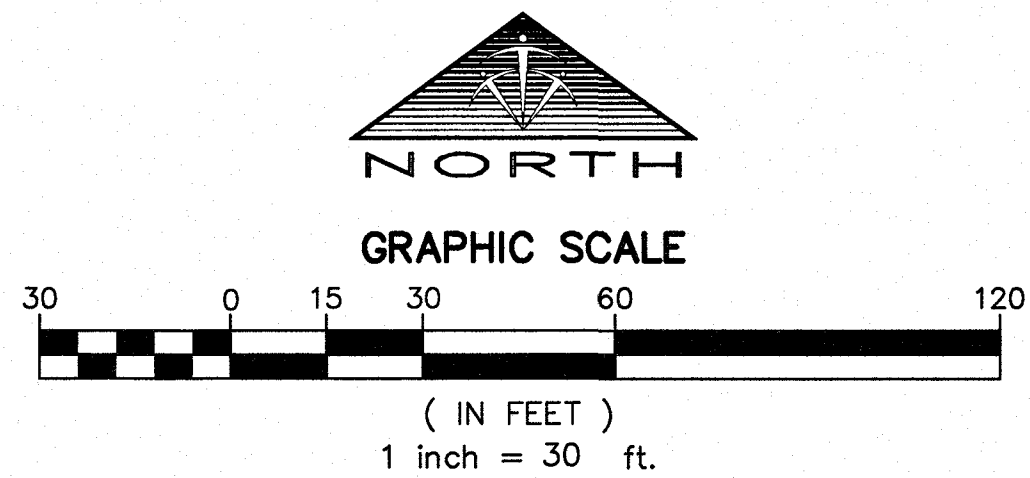
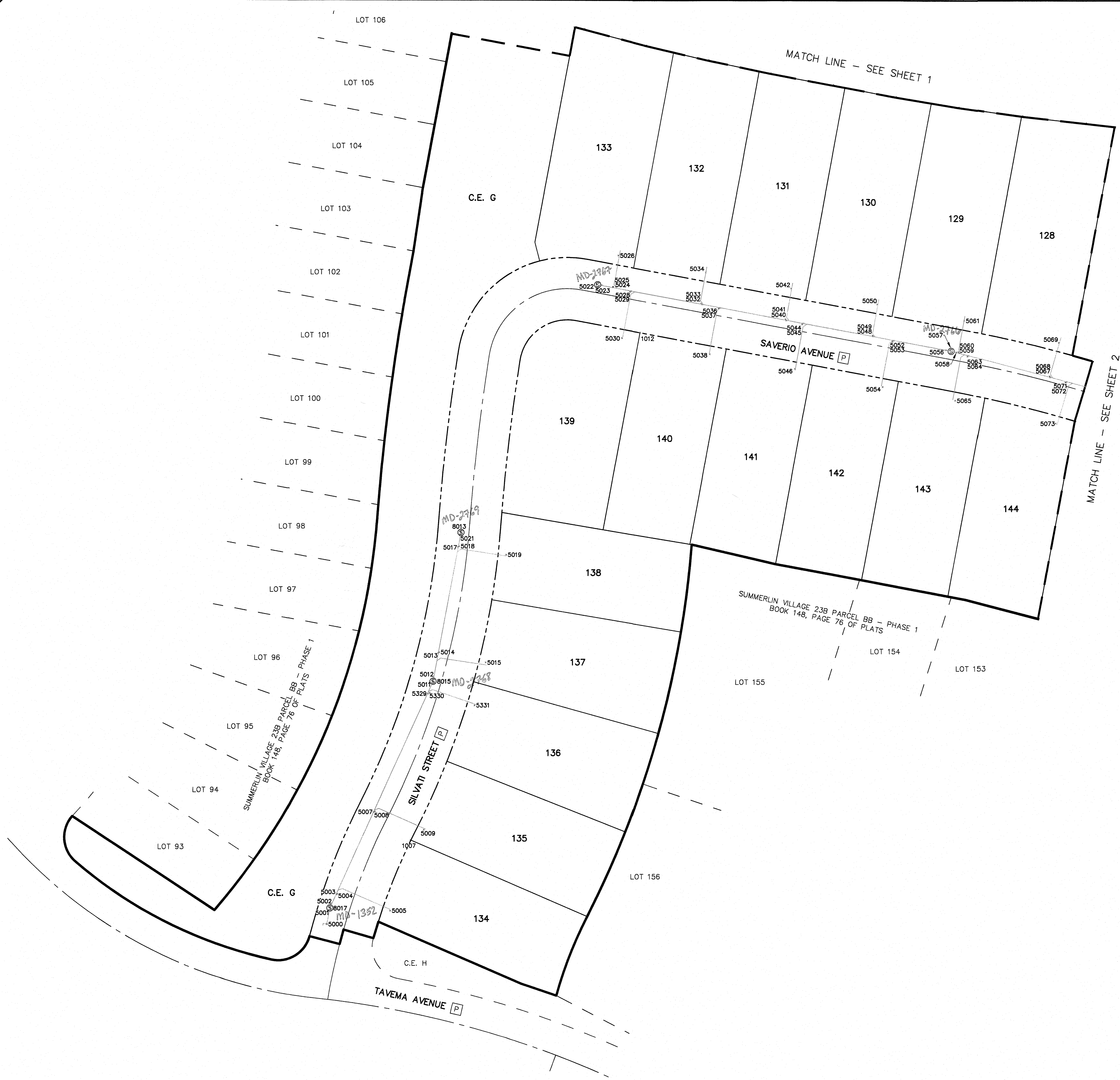


PN II, INC.
SUMMERLIN VILLAGE 23B PARCEL BB - PHASE 2
ESTRELLA PHASE 2
SANITARY SEWER FINAL LOCATION MAP



SHEET
2
OF 4

P:\15015.0008 - Estrella Phase 2\Construction\Submittals\Sewer As-Built\SS-As-Built-Estrella Living roadway Thu, 14 Jul 2016 - 10:09am



- LEGEND**
- SUBDIVISION BOUNDARY
 - STREET CENTERLINE
 - PROPERTY LINE
 - RIGHT-OF-WAY LINE
 - ASSESSOR'S PARCEL LINE
 - EXISTING SEWER LINE
 - DESIGN SEWER LINE
 - LOT NUMBER
 - DESIGN SEWER LINE
 - AS-BUILT POINT NUMBER
 - PRIVATE STREET, PUBLIC SEWER EASEMENT, PUBLIC DRAINAGE EASEMENT, AND PUBLIC UTILITY EASEMENT (P.U.E.)

HORIZONTAL DATUM
HORIZONTAL DATUM SHOWN HEREON IS BASED UPON NORTH AMERICAN DATUM OF 1983 (NAD 83 (2011) EPOCH 2010.00 REALIZATION), NEVADA STATE PLANE COORDINATE SYSTEM EAST ZONE (2701).

BENCHMARK
CITY OF LAS VEGAS BENCHMARK: 5LV09 34NE6
BEING A RIVET AND PLATE IN TOP OF CURB AT THE NORTHEAST CORNER OF DESERT FOOTHILLS DRIVE AND ALTA DRIVE
ELEVATION: 3304.45 (U.S. SURVEY FEET)
1007.197 (METERS)
BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88), CITY OF LAS VEGAS 2008 ADJUSTMENT

NOTE
THE PURPOSE OF THIS SURVEY IS TO PROVIDE AS-BUILT INFORMATION FOR THE SANITARY SEWER FACILITIES IN SUMMERLIN VILLAGE 23B PARCEL BB - PHASE 2, BOOK 150, PAGE 37 OF PLATS, SITUATE IN THE EAST HALF (E 1/2) OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AND THE SURVEY WAS COMPLETED ON JANUARY 22, 2016.
THE POSITIONAL CERTAINTY OF THE AS-BUILT INFORMATION SHOWN HEREON IS WITHIN +/- 0.3' HORIZONTALLY AND VERTICALLY.
TRI-CORE SURVEYING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FOR THE CONVENIENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY TRI-CORE SURVEYING IN WRITING IMMEDIATELY.

CLV PROJECT H# 60098
CLV DRAWING# 107Y5017-2
FMP-60273

DATE : 7/14/2016	GS	RD	DATE	APP'D
DRAWN BY :	GS	RD		
DESIGNED BY :	GS	RD		
CHECKED BY :	GS	RD		
ADA CHECKED :	GS	RD		
JOB NO. : 15015.0008	GS	RD		
SCALE : 1" = 30'	GS	RD		

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

PN II, INC.
SUMMERLIN VILLAGE 23B PARCEL BB - PHASE 2
ESTRELLA PHASE 2
SANITARY SEWER FINAL LOCATION MAP

PROFESSIONAL LAND SURVEYOR
GREGORY D. SPINKELINK
EXPIRES 06-30-18
No. 14419

SHEET 3 OF 4

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
945	26767354.59	723788.75	0.00	CURB SCRIBE - 27/28
952	26767648.03	723821.13	0.00	CURB SCRIBE - 34/35
964	26767731.70	723339.14	0.00	CURB SCRIBE - C.E. F/46
976	26767669.51	722982.68	0.00	CURB SCRIBE - 57/58
1007	26767110.53	723092.47	0.00	CURB SCRIBE- 134/135
1012	26767428.45	723235.74	0.00	CURB SCRIBE - 139/140
5000	26767057.75	723039.83	3367.00	TOP OF 8" PVC MAIN
5001	26767066.23	723041.22	3367.01	TOP OF 8" PVC MAIN OUT
5002	26767069.96	723042.65	3367.12	TOP OF 8" PVC MAIN IN
5003	26767076.41	723045.78	3367.22	TOP OF 8" PVC MAIN
5004	26767076.75	723046.49	3367.38	TOP OF 4" PVC LATERAL
5005	26767066.26	723079.69	3369.77	TOP OF 4" PVC LATERAL
5007	26767128.10	723069.13	3367.74	TOP OF 8" PVC MAIN
5008	26767128.36	723069.99	3368.02	TOP OF 4" PVC LATERAL
5009	26767116.98	723100.65	3370.60	TOP OF 4" PVC LATERAL
5011	26767208.22	723105.81	3368.44	TOP OF 8" PVC MAIN OUT
5012	26767211.79	723106.76	3368.52	TOP OF 8" PVC MAIN IN
5013	26767227.53	723109.59	3368.85	TOP OF 8" PVC MAIN
5014	26767227.93	723110.24	3368.98	TOP OF 4" PVC LATERAL
5015	26767221.51	723139.32	3370.67	TOP OF 4" PVC LATERAL
5017	26767294.00	723121.99	3369.51	TOP OF 8" PVC MAIN
5018	26767294.38	723122.74	3369.64	TOP OF 4" PVC LATERAL
5019	26767289.06	723152.18	3370.40	TOP OF 4" PVC LATERAL
5021	26767301.19	723123.37	3369.59	TOP OF 8" PVC MAIN OUT
5022	26767458.14	723208.60	0.00	SSMH CL BARREL
5023	26767457.66	723211.95	3365.68	TOP OF 8" PVC MAIN OUT
5024	26767456.40	723218.87	3365.45	TOP OF 8" PVC MAIN
5025	26767456.75	723218.93	3365.41	TOP OF 4" PVC LATERAL
5026	26767476.30	723222.29	3366.68	TOP OF 4" PVC LATERAL
5028	26767454.08	723230.19	3364.94	TOP OF 8" PVC MAIN
5029	26767453.55	723229.57	3365.11	TOP OF 4" PVC LATERAL
5030	26767424.74	723224.50	3366.36	TOP OF 4" PVC LATERAL
5032	26767445.87	723274.41	3362.64	TOP OF 8" PVC MAIN
5033	26767446.37	723273.97	3362.81	TOP OF 4" PVC LATERAL
5034	26767465.97	723276.81	3364.01	TOP OF 4" PVC LATERAL
5036	26767443.79	723285.46	3362.12	TOP OF 8" PVC MAIN
5037	26767443.40	723284.90	3362.28	TOP OF 4" PVC LATERAL
5038	26767414.89	723279.33	3364.45	TOP OF 4" PVC LATERAL
5040	26767436.02	723327.33	3359.86	TOP OF 8" PVC MAIN
5041	26767436.75	723326.91	3360.07	TOP OF 4" PVC LATERAL
5042	26767455.99	723330.64	3361.08	TOP OF 4" PVC LATERAL
5044	26767434.18	723338.24	3359.42	TOP OF 8" PVC MAIN
5045	26767433.58	723337.51	3359.45	TOP OF 4" PVC LATERAL
5046	26767405.87	723332.98	3361.51	TOP OF 4" PVC LATERAL
5048	26767426.13	723381.95	3357.14	TOP OF 8" PVC MAIN
5049	26767426.69	723381.65	3357.37	TOP OF 4" PVC LATERAL
5050	26767446.10	723384.67	3358.52	TOP OF 4" PVC LATERAL
5052	26767423.58	723394.66	3356.52	TOP OF 8" PVC MAIN
5053	26767423.13	723394.05	3356.61	TOP OF 4" PVC LATERAL
5054	26767394.66	723388.02	3357.79	TOP OF 4" PVC LATERAL
5056	26767417.63	723427.75	3354.70	TOP OF 8" PVC MAIN IN
5057	26767416.96	723430.94	0.00	SSMH CL BARREL
5058	26767416.32	723434.27	3354.07	TOP OF 8" PVC MAIN OUT
5059	26767415.82	723436.20	3354.00	TOP OF 8" PVC MAIN
5060	26767416.55	723435.54	3354.20	TOP OF 4" PVC LATERAL
5061	26767436.02	723439.07	3356.28	TOP OF 4" PVC LATERAL
5063	26767414.20	723441.76	3353.80	TOP OF 8" PVC MAIN
5064	26767413.69	723441.08	3353.97	TOP OF 4" PVC LATERAL
5065	26767386.08	723433.51	3355.66	TOP OF 4" PVC LATERAL
5067	26767400.63	723492.70	3350.36	TOP OF 8" PVC MAIN
5068	26767401.25	723492.45	3350.57	TOP OF 4" PVC LATERAL
5069	26767422.21	723498.26	3352.37	TOP OF 4" PVC LATERAL
5071	26767397.79	723502.92	3349.84	TOP OF 8" PVC MAIN
5072	26767397.40	723502.33	3349.86	TOP OF 4" PVC LATERAL
5073	26767371.77	723496.16	3352.01	TOP OF 4" PVC LATERAL
5075	26767385.44	723549.84	3346.45	TOP OF 8" PVC MAIN
5076	26767386.11	723549.35	3346.79	TOP OF 4" PVC LATERAL

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
5077	26767405.01	723554.07	3348.86	TOP OF 4" PVC LATERAL
5079	26767382.60	723560.24	3345.79	TOP OF 8" PVC MAIN
5080	26767382.02	723559.67	3346.08	TOP OF 4" PVC LATERAL
5081	26767354.39	723552.34	3348.66	TOP OF 4" PVC LATERAL
5083	26767371.04	723603.46	3343.02	TOP OF 8" PVC MAIN
5084	26767371.84	723603.07	3343.25	TOP OF 4" PVC LATERAL
5085	26767390.62	723608.44	3345.25	TOP OF 4" PVC LATERAL
5087	26767370.76	723605.00	3342.92	TOP OF 8" PVC MAIN
5088	26767370.22	723604.41	3343.07	TOP OF 4" PVC LATERAL
5089	26767342.19	723597.66	3345.96	TOP OF 4" PVC LATERAL
5091	26767366.93	723619.70	3341.82	TOP OF 8" PVC MAIN IN
5092	26767366.04	723622.55	0.00	SSMH CL BARREL
5093	26767365.81	723625.30	3341.33	TOP OF 8" PVC MAIN OUT
5094	26767358.53	723664.39	3338.82	TOP OF 8" PVC MAIN
5095	26767357.98	723663.98	3339.07	TOP OF 4" PVC LATERAL
5096	26767330.81	723658.10	3341.65	TOP OF 4" PVC LATERAL
5098	26767358.14	723665.95	3338.76	TOP OF 8" PVC MAIN
5099	26767358.86	723665.52	3339.06	TOP OF 4" PVC LATERAL
5100	26767377.95	723668.76	3341.89	TOP OF 4" PVC LATERAL
5102	26767349.25	723714.06	3335.68	TOP OF 8" PVC MAIN
5103	26767349.88	723713.65	3335.89	TOP OF 4" PVC LATERAL
5104	26767368.79	723717.66	3339.12	TOP OF 4" PVC LATERAL
5106	26767348.93	723715.54	3335.66	TOP OF 8" PVC MAIN
5107	26767347.89	723714.65	3335.92	TOP OF 4" PVC LATERAL
5108	26767321.41	723709.00	3339.44	TOP OF 4" PVC LATERAL
5110	26767341.87	723752.92	3333.17	TOP OF 8" PVC MAIN IN
5111	26767341.34	723756.06	0.00	SSMH CL BARREL
5112	26767338.55	723755.58	3332.78	TOP OF 8" PVC MAIN OUT
5113	26767344.19	723756.66	3332.99	TOP OF 8" PVC MAIN IN
5114	26767217.86	723731.86	3332.37	TOP OF 8" PVC MAIN
5115	26767237.98	723735.40	3332.40	TOP OF 8" PVC MAIN
5116	26767238.07	723736.57	3332.48	TOP OF 4" PVC LATERAL
5117	26767232.05	723772.80	3334.12	TOP OF 4" PVC LATERAL
5119	26767286.09	723745.05	3332.84	TOP OF 8" PVC MAIN
5120	26767286.26	723745.82	3332.63	TOP OF 4" PVC LATERAL
5121	26767279.62	723782.82	3333.97	TOP OF 4" PVC LATERAL
5123	26767309.04	723749.57	3332.74	TOP OF 8" PVC MAIN
5124	26767309.63	723750.51	3332.66	TOP OF 4" PVC LATERAL
5125	26767301.24	723786.98	3334.11	TOP OF 4" PVC LATERAL
5127	26767415.56	723765.86	3333.86	TOP OF 8" PVC MAIN
5128	26767416.45	723766.80	3333.81	TOP OF 4" PVC LATERAL
5129	26767409.33	723799.74	3336.11	TOP OF 4" PVC LATERAL
5131	26767420.37	723766.26	3333.89	TOP OF 8" PVC MAIN OUT
5132	26767423.34	723766.82	0.00	SSMH CL BARREL
5133	26767425.89	723767.54	3334.20	TOP OF 8" PVC MAIN IN
5134	26767432.72	723769.03	3334.24	TOP OF 8" PVC MAIN
5135	26767433.00	723769.66	3334.27	TOP OF 4" PVC LATERAL
5136	26767427.04	723802.92	3337.33	TOP OF 4" PVC LATERAL
5138	26767486.54	723780.24	3335.87	TOP OF 8" PVC MAIN
5139	26767486.99	723781.03	3336.08	TOP OF 4" PVC LATERAL
5140	26767480.43	723813.19	3336.91	TOP OF 4" PVC LATERAL
5142	26767538.74	723791.47	3336.30	TOP OF 8" PVC MAIN
5143	26767539.20	723792.44	3336.36	TOP OF 4" PVC LATERAL
5144	26767530.86	723823.84	3340.16	TOP OF 4" PVC LATERAL
5146	26767571.18	723798.67	3336.86	TOP OF 8" PVC MAIN
5147	26767571.61	723799.17	3337.01	TOP OF 4" PVC LATERAL
5148	26767563.03	723833.75	3340.75	TOP OF 4" PVC LATERAL
5150	26767606.01	723805.88	3337.40	TOP OF 8" PVC MAIN
5151	26767606.39	723806.58	3337.50	TOP OF 4" PVC LATERAL
5152	26767596.78	723848.73	3340.36	TOP OF 4" PVC LATERAL
5154	26767608.56	723806.27	3337.50	TOP OF 8" PVC MAIN
5155	26767609.04	723806.89	3337.72	TOP OF 4" PVC LATERAL
5156	26767631.83	723842.90	3341.05	TOP OF 4" PVC LATERAL
5158	26767632.57	723811.63	3338.21	TOP OF 8" PVC MAIN OUT
5159	26767685.86	723000.26	3387.93	TOP OF 8" PVC MAIN OUT
5160	26767688.65	723000.78	3387.84	TOP OF 8" PVC MAIN
5161	26767687.73	723001.50	3387.96	TOP OF 4" PVC LATERAL
5162	26767683.26	723029.41	3389.36	TOP OF 4" PVC LATERAL

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
5164	26767697.77	723002.45	3387.35	TOP OF 8" PVC MAIN
5165	26767697.04	723001.49	3387.64	TOP OF 4" PVC LATERAL
5166	26767699.65	722984.07	3389.35	TOP OF 4" PVC LATERAL
5168	26767728.48	723008.26	3385.89	TOP OF 8" PVC MAIN
5169	26767727.49	723008.97	3386.06	TOP OF 4" PVC LATERAL
5170	26767722.36	723036.57	3387.65	TOP OF 4" PVC LATERAL
5172	26767736.61	723009.75	3385.46	TOP OF 8" PVC MAIN
5173	26767735.88	723008.71	3385.57	TOP OF 4" PVC LATERAL
5174	26767740.60	722984.11	3386.59	TOP OF 4" PVC LATERAL
5176	26767772.75	723016.59	3383.58	TOP OF 8" PVC MAIN
5177	26767771.98	723015.47	3383.74	TOP OF 4" PVC LATERAL
5178	26767777.46	722989.08	3385.90	TOP OF 4" PVC LATERAL
5180	26767775.87	723017.15	3383.48	TOP OF 8" PVC MAIN IN
5181	26767778.68	723021.46	3382.89	TOP OF 8" PVC MAIN OUT
5183	26767776.30	723034.68	3382.04	TOP OF 8" PVC MAIN
5184	26767777.25	723033.71	3382.27	TOP OF 4" PVC LATERAL
5185	26767807.68	723014.46	3383.87	TOP OF 4" PVC LATERAL
5187	26767775.22	723040.41	3381.83	TOP OF 8" PVC MAIN
5188	26767776.22	723039.60	3382.12	TOP OF 4" PVC LATERAL
5189	26767811.08	723046.26	3383.79	TOP OF 4" PVC LATERAL
5191	26767768.67	723076.71	3379.66	TOP OF 8" PVC MAIN
5192	26767768.69	723075.91	3379.98	TOP OF 4" PVC LATERAL
5193	26767796.17	723080.85	3382.59	TOP OF 4" PVC LATERAL
5195	26767761.45	723116.43	3377.53	TOP OF 8" PVC MAIN
5196	26767762.54	723115.65	3377.84	TOP OF 4" PVC LATERAL
5197	26767786.82	723120.51	3380.58	TOP OF 4" PVC LATERAL
5199	26767754.17	723156.20	3375.32	TOP OF 8" PVC MAIN
5200	26767755.19	723155.47	3375.70	TOP OF 4" PVC LATERAL
5201	26767779.47	723159.69	3376.83	TOP OF 4" PVC LATERAL
5203	26767747.12	723194.79	3373.18	TOP OF 8" PVC MAIN
5204	26767748.19	723193.98	3373.41	TOP OF 4" PVC LATERAL
5205	26767771.53	723198.34	3375.35	TOP OF 4" PVC LATERAL
5207	26767743.42	723215.33	3372.03	TOP OF 8" PVC MAIN
5208	26767742.71	723214.25	3372.23	TOP OF 4" PVC LATERAL
5209	26767719.26	723209.38	3374.33	TOP OF 4" PVC LATERAL
5211	26767740.00	723233.96	3370.89	TOP OF 8" PVC MAIN
5212	26767741.08	723233.19	3371.13	TOP OF 4" PVC LATERAL
5213	26767762.03	723237.08	3372.99	TOP OF 4" PVC LATERAL
5215	26767736.40	723254.42	3369.70	TOP OF 8" PVC MAIN
5216	26767735.63	723253.37	3369.99	TOP OF 4" PVC LATERAL
5217	26767707.71	723247.69	3372.46	TOP OF 4" PVC LATERAL
5219	26767731.95	723278.67	3368.39	TOP OF 8" PVC MAIN
5220	26767732.98	723277.92	3368.63	TOP OF 4" PVC LATERAL
5221	26767749.79	723281.00	3370.38	TOP OF 4" PVC LATERAL
5223	26767729.28	723293.91	3367.64	TOP OF 8" PVC MAIN
5224	26767728.56	723292.76	3367.85	TOP OF 4" PVC LATERAL
5225	26767698.70	723286.79	3370.25	TOP OF 4" PVC LATERAL
5226	26767722.15	723333.22	3365.40	TOP OF 8" PVC MAIN
5228	26767721.36	723332.12	3365.60	TOP OF 4" PVC LATERAL
5229	26767698.98	723326.11	3368.00	TOP OF 4" PVC LATERAL
5231	26767714.88	723372.41	3363.14	TOP OF 8" PVC MAIN
5232	26767714.08	723371.39	3363.40	TOP OF 4" PVC LATERAL
5233	26767679.96	723364.18	3365.72	TOP OF 4" PVC LATERAL
5235	26767713.27	723382.00	3362.51	TOP OF 8" PVC MAIN
5236	26767714.28	723381.27	3362.89	TOP OF 4" PVC LATERAL
5237	26767727.65	723383.37	3364.85	TOP OF 4" PVC LATERAL
5239	26767714.71	723373.64	3363.19	TOP OF 8" PVC MAIN IN
5240	26767713.69	723379.73	3362.77	TOP OF 8" PVC MAIN OUT
5241	26767714.18	723376.60	0.00	SSMH CL BARREL
5242	26767708.49	723411.68	3360.85	TOP OF 8" PVC MAIN
5243	26767707.82	723410.68	3361.19	TOP OF 4" PVC LATERAL
5244	26767675.80	723404.41	3362.46	TOP OF 4" PVC LATERAL
5246	26767707.00	723420.56	3360.34	TOP OF 8" PVC MAIN
5247	26767707.99	723419.78	3360.61	TOP OF 4" PVC LATERAL
5248	26767721.26	723422.35	3362.96	TOP OF 4" PVC LATERAL
5250	26767702.38	723450.42	3358.60	TOP OF 8" PVC MAIN
5251	26767701.73	723449.42	3358.98	TOP OF 4" PVC LATERAL
5252	26767669.94	723443.68	3361.57	TOP OF 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: July 28, 2016

Re: Sanitary Sewer Final Location Map
SUMMERLIN VILLAGE 23B PARCEL BB ESTRELLA PHASE 2
(Drawing No. 107Y5017-2, L-Civil No. 60098)

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 28, 2016



Signature

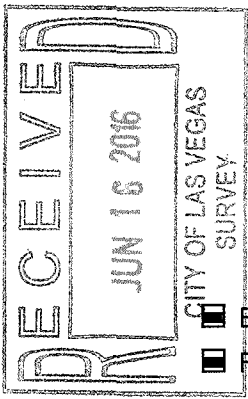
FOR: City Surveyor

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: Summerlin Village 23B - Parcel BB Phase 2 (Estrella II) **UNIT:** ____ **PHASE:** ____

PROJECT LOCATION: Far Hills Avenue & Desert Foothills Drive in Las Vegas, NV

CLV PLAN #: 107Y5017 - 2 **CLV PROJECT #** 60098 **SHEET NO. (S):** 22-27 of 30

OF MANHOLES 13 **PUB. SEWER/STORM DRAIN LIN. FT.** 2,158 **# OF PRIVATE LATERALS** 75

DEVELOPER: Pulte Homes **PHONE:** 702-914-4800 **FAX:** 702-914-4701

SURVEY CO.: Tri-Core Surveying **PHONE:** 702-821-1554 **FAX:** 702-870-4378

CONTRACTOR: Mammoth Underground **PHONE:** 702-248-6662 **FAX:** ____

CONTRACTOR'S SUPERVISOR NAME: Oliverio Mares **MOBILE:** 702-303-9259

DATE OF REQUEST: June 15, 2016

**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: 7/28/16 **NOT ACCEPTABLE BY CITY SURVEYOR DATE:** 6/30/16

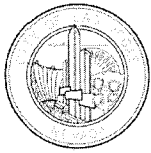
CLV SURVEYOR'S SIGNATURE: *[Signature]* **DATE:** 7/28/16

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 H60098 SS2
PROJECT NAME SUMMERLIN VILLAGE 23B PARCEL 88 ESTRELLA PHASE 2
WORK AUTH. NO. P28000
SUBMITTED BY Tri-Core Surveying
PROJECT TYPE CIP ☐ Land Dev ☐ Street Rehab ☐
DATE 7/28/16
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