

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: January 13, 2020

Re: Sanitary Sewer Final Location Map
SUMMERLIN VILLAGE 26 - REVERENCE PHASE 2B
(Drawing No. 107Y5040-2B, L-Civil No. I17-01206)

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: January 13, 2020



Signature

City Surveyor

Title

Public Works/Survey

Department/Division

ARR/OS:mj

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 26 - REVERENCE UNIT: PHASE: 2A
PROJECT LOCATION: Cliff Shadows Parkway & 215 Beltway in Las Vegas, NV
CLV PLAN #: 107Y5040-2B CLV PROJECT # L17-01206 SHEET NO. (S): 13-18 of 30
OF MANHOLES 10 PUB. SEWER/STORM DRAIN LIN. FT. # OF PRIVATE LATERALS

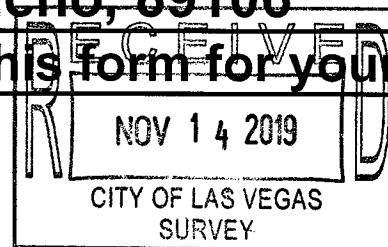
DEVELOPER: Pulte Homes of Nevada PHONE: 702-914-4800 FAX: 702-914-4701
SURVEY CO.: Tri-Core Surveying PHONE: 702-821-1554 FAX: 702-870-4378
CONTRACTOR: Mammoth Underground PHONE: 702-248-6662 FAX:
CONTRACTOR'S SUPERVISOR NAME: Oliverio Mares MOBILE: 702-303-9259
DATE OF REQUEST: November 13, 2019

**SUBMIT DIRECTLY TO THE OFFICE OF THE CITY
SURVEYOR LOCATED ON THE 8th FLOOR OF THE
DSC / 333 N Rancho, 89106**

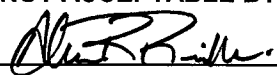
Please get a stamped copy of this form for your records.

CITY USE ONLY

DATE AND INITIALS / RECEIVED BY THE CITY SURVEYOR



ACCEPTABLE BY CITY SURVEYOR DATE: 1-13-20 NOT ACCEPTABLE BY CITY SURVEYOR DATE

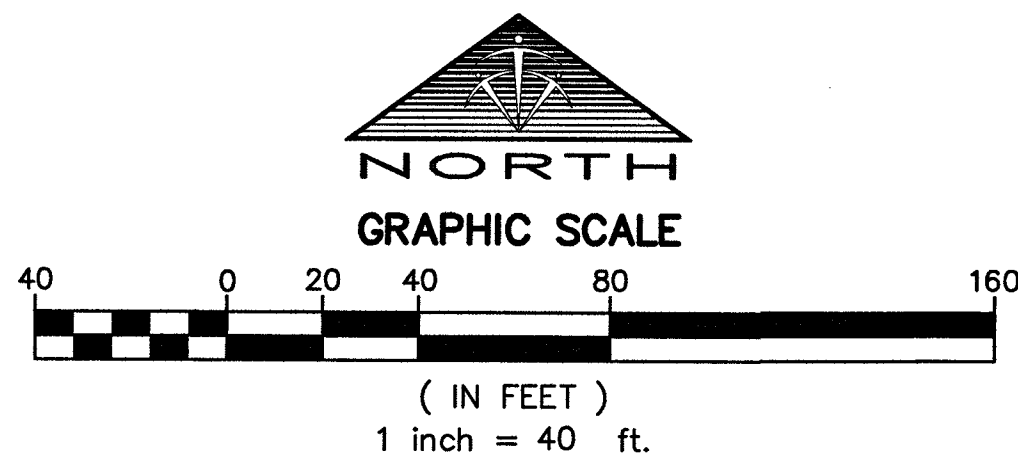
CLV SURVEYOR'S SIGNATURE:  DATE: 1-13-2020

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.



- LEGEND**
- PHASE LINE
 - LOT LINE / ASSESSOR'S PARCEL LINE
 - RIGHT-OF-WAY LINE
 - DESIGN SEWER LINE
 - EXISTING SEWER LINE
 - DESIGN SEWER MANHOLE
 - EXISTING SEWER MANHOLE
 - AS-BUILT POINT NUMBER
 - PRIVATE STREET, PUBLIC SEWER EASEMENT, PUBLIC DRAINAGE EASEMENT AND PUBLIC UTILITY EASEMENT PER BOOK 155, PAGE 21 OF PLATS

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 1456

RIVET & PLATE IN HEAD WALL WEST OF CC215 +/-250' NORTH OF LAKE MEAD.

ELEVATION: 3227.22 (U.S. SURVEY FEET)
983.659 (METERS)

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

NOTES

THE PURPOSE OF THIS SURVEY IS TO PROVIDE AS-BUILT INFORMATION FOR THE SANITARY SEWER FACILITIES IN THE IMPROVEMENT PLANS FOR "SUMMERLIN VILLAGE 26 - REVERENCE PHASE 2B" AS SHOWN BY MAP THEREOF ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE IN BOOK 155, PAGE 21 OF PLATS, SITUATE IN SECTION 14, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AND THE SURVEY WAS COMPLETED MARCH 27, 2018.

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.

POINT TABLE							
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION			
14647	26779392.16	726456.61	3145.86	TOP 8" PVC MAIN			
14648	26779391.60	726455.92	3145.97	TOP 4" PVC LATERAL			
14649	26779384.15	726455.32	3145.90	TOP 8" PVC MAIN OUT			
14650	26779377.70	726454.84	3146.06	TOP 8" PVC MAIN IN			
14651	26779380.94	726454.97	3145.28	SSMH CL BARREL			
14652	26779374.66	726454.71	3146.17	TOP 8" PVC MAIN			
14653	26779374.06	726455.39	3146.28	TOP 4" PVC LATERAL			
14654	26779373.05	726469.37	3147.66	TOP 4" PVC LATERAL			
14655	26779361.80	726454.77	3146.44	TOP 8" PVC MAIN			
14656	26779360.83	726453.94	3146.54	TOP 4" PVC LATERAL			
14657	26779361.23	726420.80	3150.58	TOP 4" PVC LATERAL			
14658	26779313.64	726453.83	3147.23	TOP 8" PVC MAIN OUT			
14659	26779307.43	726454.50	3147.46	TOP 8" PVC MAIN IN			
14660	26779310.73	726453.97	3146.66	SSMH CL BARREL			
14661	26779292.33	726457.41	3147.95	TOP 8" PVC MAIN			
14662	26779291.50	726456.94	3148.09	TOP 4" PVC LATERAL			
14663	26779290.11	726457.77	3148.03	TOP 8" PVC MAIN			
14664	26779289.46	726458.53	3148.15	TOP 4" PVC LATERAL			
14665	26779291.36	726475.00	3149.28	TOP 4" PVC LATERAL			
14666	26779221.97	726485.77	3151.14	TOP 4" PVC LATERAL			
14667	26779187.13	726473.92	3151.27	TOP 8" PVC MAIN IN			
14668	26779187.91	726477.02	3150.42	SSMH CL BARREL			
14669	26779176.85	726419.95	3152.74	TOP 8" PVC MAIN			
14670	26779176.11	726419.39	3152.87	TOP 4" PVC LATERAL			
14671	26779149.37	726422.49	3153.80	TOP 4" PVC LATERAL			
14672	26779163.15	726347.18	3154.58	TOP 8" PVC MAIN			
14673	26779162.41	726346.63	3154.73	TOP 4" PVC LATERAL			
14674	26779148.93	726349.09	3155.64	TOP 4" PVC LATERAL			
14675	26779162.50	726344.07	3154.64	TOP 8" PVC MAIN OUT			
14676	26779284.85	726427.62	3150.92	TOP 4" PVC LATERAL			
14677	26779220.64	726471.15	3150.15	TOP 8" PVC MAIN			

POINT TABLE							
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION			
14678	26779220.05	726471.90	3150.31	TOP 4" PVC LATERAL			
14679	26779191.14	726476.73	3150.92	TOP 8" PVC MAIN OUT			
14680	26779161.99	726340.94	3154.03	SSMH CL BARREL			
67005	26779264.85	726856.42	3156.60	TOP 8" PVC MAIN IN			
67006	26779267.32	726852.84	3156.22	TOP 8" PVC MAIN OUT			
67007	26779275.72	726836.50	3155.72	TOP 8" PVC MAIN			
67008	26779274.94	726836.64	3155.87	TOP 4" PVC LATERAL			
67009	26779261.69	726830.05	3156.81	TOP 4" PVC LATERAL			
67010	26779281.00	726826.47	3155.38	TOP 8" PVC MAIN			
67011	26779281.36	726826.89	3155.50	TOP 4" PVC LATERAL			
67012	26779311.70	726842.04	3158.12	TOP 4" PVC LATERAL			
67013	26779315.83	726758.61	3153.24	TOP 8" PVC MAIN			
67014	26779316.23	726759.29	3153.36	TOP 4" PVC LATERAL			
67015	26779343.17	726772.35	3153.96	TOP 4" PVC LATERAL			
67016	26779321.29	726748.00	3152.89	TOP 8" PVC MAIN			
67017	26779320.50	726748.02	3152.93	TOP 4" PVC LATERAL			
67018	26779303.01	726738.77	3154.34	TOP 4" PVC LATERAL			
67019	26779349.57	726692.49	3151.04	TOP 8" PVC MAIN			
67020	26779350.04	726693.12	3151.07	TOP 4" PVC LATERAL			
67021	26779378.54	726707.40	3151.97	TOP 4" PVC LATERAL			
67022	26779367.81	726656.85	3149.92	TOP 8" PVC MAIN			
67023	26779367.08	726656.91	3150.01	TOP 4" PVC LATERAL			
67024	26779351.94	726649.30	3150.50	TOP 4" PVC LATERAL			
67028	26779405.81	726582.60	3147.56	TOP 8" PVC MAIN IN			
67029	26779407.42	726578.38	3147.25	TOP 8" PVC MAIN OUT			
67037	26779440.13	726464.96	3145.27	TOP 8" PVC MAIN IN			
67038	26779444.73	726465.95	3145.07	TOP 8" PVC MAIN OUT			
94506	26779398.35	726419.77	3147.70	TOP 4" PVC LATERAL			
100015	26779442.79	726465.50	3152.94	SSMH CL BARREL			
100016	26779406.75	726580.55	3155.10	SSMH CL BARREL			
100017	26779266.55	726854.75	3164.02	SSMH CL BARREL			

CLV PROJECT #L17-01206
CLV DRAWING #107Y5040-2B
FMP-71946

DATE	NO.	DESCRIPTION	DATE	NO.	DESCRIPTION
12/19/2019	OS	RD			
	DRAWN BY :	OS			
	DESIGNED BY :	OS			
	ADJ. CHECKED :				
	JOB NO. :	15016.0001			
	SCALE :	1"=40'			

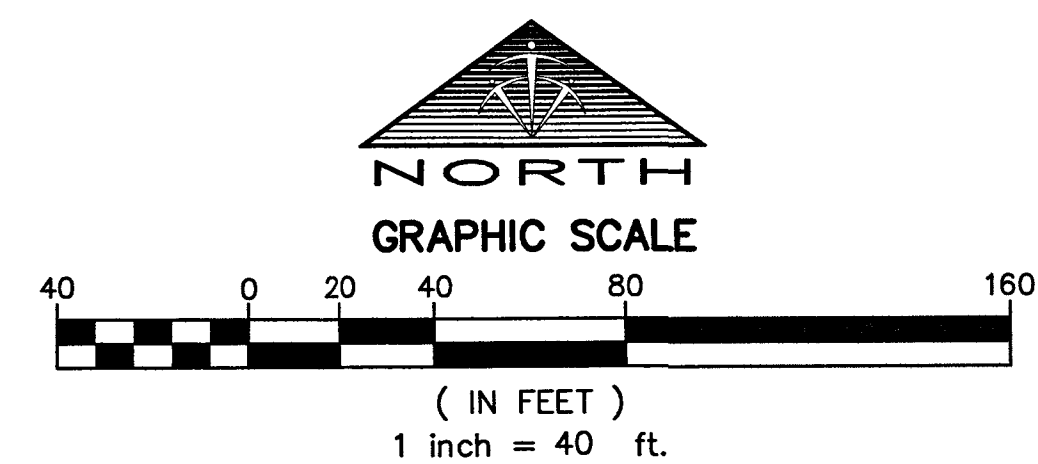
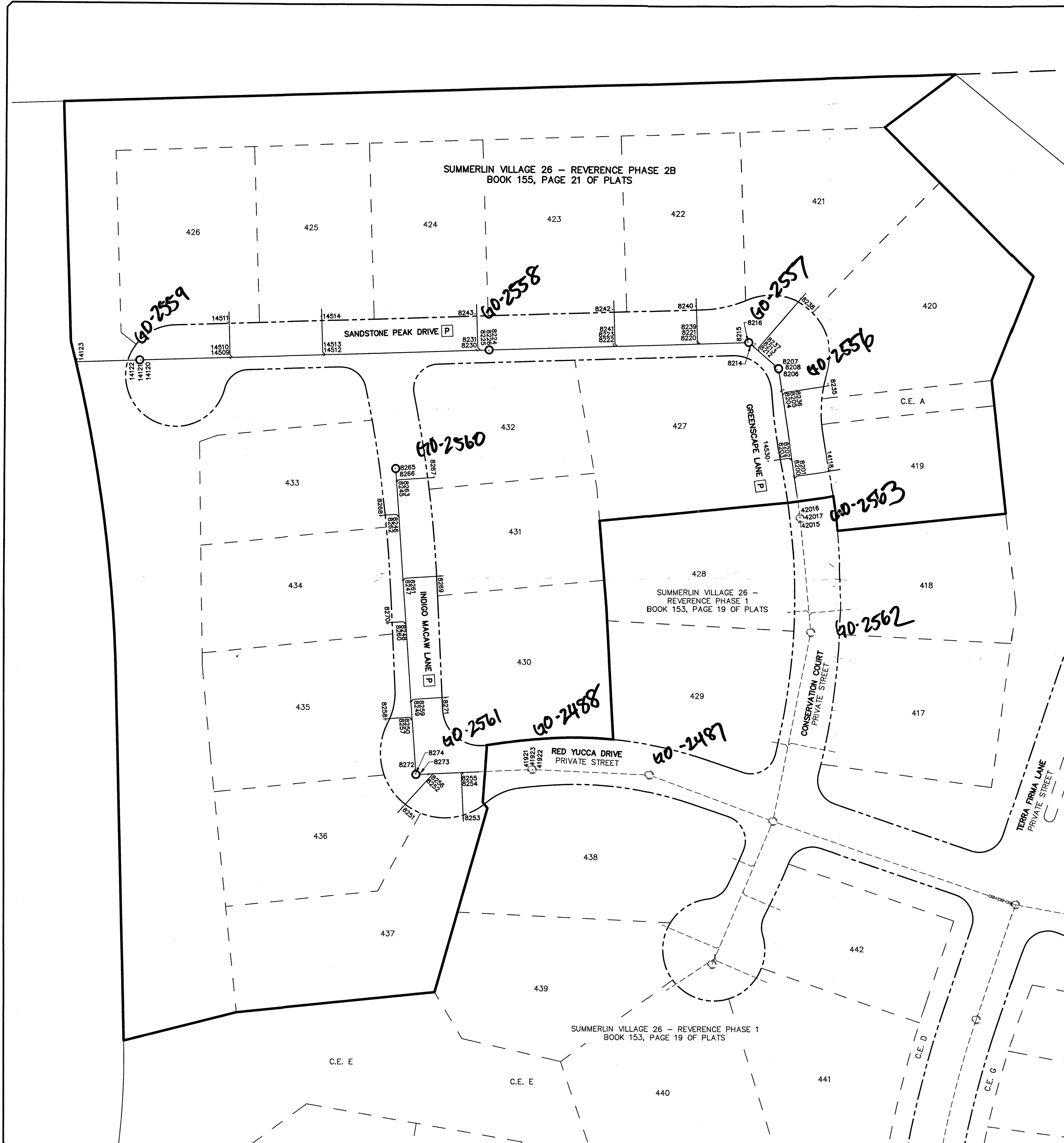
DATE :	12/19/2019
PM :	OS
DRAWN BY :	RD
DESIGNED BY :	OS
ADJ. CHECKED :	
JOB NO. :	15016.0001
SCALE :	1"=40'

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

PULTE HOMES
SUMMERLIN VILLAGE 26 - REVERENCE PHASE 2B
SANITARY SEWER FINAL LOCATION MAP

PROFESSIONAL LAND SURVEYOR
GREGORY D. SPINKELINK
EXPIRES 06-30-2025
No. 14419

C:\Users\Ydoye\appdata\local\Temp\AcSub\12792\PH2B Sewer As-built_Base.dwg rdoyle Thu, 19 Dec 2019 8:32am



- LEGEND**
- PHASE LINE
 - LOT LINE / ASSESSOR'S PARCEL LINE
 - RIGHT-OF-WAY LINE
 - DESIGN SEWER LINE
 - EXISTING SEWER LINE
 - DESIGN SEWER MANHOLE
 - EXISTING SEWER MANHOLE
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POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
8200	26780822.57	727075.03	3094.55	TOP 8" PVC MAIN
8201	26780823.30	727075.51	3094.71	TOP 4" PVC LATERAL
8202	26780835.99	727072.88	3094.62	TOP 8" PVC MAIN
8203	26780836.65	727072.22	3094.75	TOP 4" PVC LATERAL
8204	26780889.42	727064.38	3094.88	TOP 8" PVC MAIN
8205	26780890.27	727064.80	3095.06	TOP 4" PVC LATERAL
8206	26780903.80	727062.11	3094.91	TOP 8" PVC MAIN OUT
8207	26780908.76	727059.07	3095.19	TOP 8" PVC MAIN IN
8208	26780906.69	727061.34	0.00	SSMH CL BARREL
8212	26780923.92	727042.84	3096.17	TOP 8" PVC MAIN
8213	26780925.11	727042.75	3096.40	TOP 4" PVC LATERAL
8214	26780928.02	727040.58	3096.23	TOP 8" PVC MAIN OUT
8215	26780927.97	727035.24	3096.70	TOP 8" PVC MAIN IN
8216	26780927.78	727038.30	0.00	SSMH CL BARREL
8220	26780926.50	726999.02	3098.50	TOP 8" PVC MAIN
8221	26780927.22	726997.94	3098.97	TOP 4" PVC LATERAL
8222	26780924.11	726932.65	3101.79	TOP 8" PVC MAIN
8223	26780924.82	726931.59	3102.09	TOP 4" PVC LATERAL
8224	26780920.20	726835.56	3106.33	TOP 8" PVC MAIN OUT
8225	26780920.02	726829.59	3106.78	TOP 8" PVC MAIN IN
8226	26780920.05	726832.66	0.00	SSMH CL BARREL
8230	26780919.85	726823.65	3107.22	TOP 8" PVC MAIN
8231	26780920.69	726822.60	3107.45	TOP 4" PVC LATERAL
8235	26780895.36	727102.42	3097.99	TOP 4" PVC LATERAL
8236	26780890.69	727066.43	3096.76	TOP 4" PVC LATERAL
8237	26780926.68	727043.85	3098.35	TOP 4" PVC LATERAL
8238	26780962.78	727079.96	3100.20	TOP 4" PVC LATERAL
8239	26780928.56	726997.79	3100.27	TOP 4" PVC LATERAL
8240	26780956.38	726996.55	3101.40	TOP 4" PVC LATERAL
8241	26780926.03	726931.41	3103.20	TOP 4" PVC LATERAL
8242	26780953.10	726930.48	3103.87	TOP 4" PVC LATERAL
8243	26780948.91	726821.63	3109.04	TOP 4" PVC LATERAL
8245	26780816.84	726759.67	3108.72	TOP 8" PVC MAIN
8246	26780788.55	726761.59	3107.96	TOP 8" PVC MAIN
8247	26780738.30	726765.04	3106.62	TOP 8" PVC MAIN
8248	26780703.29	726767.31	3105.66	TOP 8" PVC MAIN
8249	26780641.74	726771.46	3104.05	TOP 8" PVC MAIN
8250	26780627.70	726772.33	3103.67	TOP 8" PVC MAIN
8251	26780558.59	726764.90	3102.82	TOP 4" PVC LATERAL
8252	26780584.68	726785.49	3102.16	TOP 4" PVC LATERAL

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
8253	26780550.45	726813.27	3102.62	TOP 4" PVC LATERAL
8254	26780585.62	726811.57	3101.19	TOP 4" PVC LATERAL
8255	26780586.27	726812.23	3101.10	TOP 8" PVC MAIN
8258	26780585.14	726786.21	3101.99	TOP 8" PVC MAIN
8257	26780628.36	726771.66	3103.78	TOP 4" PVC LATERAL
8258	26780627.62	726751.82	3104.44	TOP 4" PVC LATERAL
8259	26780642.53	726772.06	3104.30	TOP 4" PVC LATERAL
8260	26780703.91	726766.57	3105.80	TOP 4" PVC LATERAL
8261	26780739.07	726765.53	3106.79	TOP 4" PVC LATERAL
8262	26780789.30	726761.00	3108.26	TOP 4" PVC LATERAL
8263	26780817.50	726760.25	3108.84	TOP 4" PVC LATERAL
8265	26780826.45	726758.90	3108.21	SSMH CL BARREL
8266	26780823.37	726759.23	3108.80	TOP 8" PVC MAIN OUT
8267	26780819.88	726789.60	3109.91	TOP 4" PVC LATERAL
8268	26780788.90	726747.50	3108.98	TOP 4" PVC LATERAL
8269	26780741.65	726794.79	3108.11	TOP 4" PVC LATERAL
8270	26780703.54	726753.10	3106.67	TOP 4" PVC LATERAL
8271	26780644.82	726799.08	3104.98	TOP 4" PVC LATERAL
8272	26780588.52	726775.03	3102.51	TOP 8" PVC MAIN IN
8273	26780584.96	726778.77	3102.16	TOP 8" PVC MAIN OUT
8274	26780585.19	726775.44	3101.66	SSMH CL BARREL
14118	26780827.74	727104.70	3096.18	TOP 4" PVC LATERAL
14120	26780910.90	726559.28	3119.98	TOP 8" PVC MAIN OUT
14121	26780910.75	726556.07	3119.57	SSMH CL BARREL
14122	26780910.62	726552.85	3120.61	TOP 8" PVC MAIN IN
14123	26780909.28	726505.00	3123.62	TOP 8" PVC ● STUB
14509	26780912.71	726627.39	3116.59	TOP 8" PVC MAIN
14510	26780913.54	726626.30	3116.98	TOP 4" PVC LATERAL
14511	26780941.02	726625.05	3117.91	TOP 4" PVC LATERAL
14512	26780915.30	726701.19	3113.06	TOP 8" PVC MAIN
14513	26780916.13	726700.14	3113.39	TOP 4" PVC LATERAL
14514	26780946.13	726699.02	3115.06	TOP 4" PVC LATERAL
14530	26780834.57	727054.39	3100.82	TOP 4" PVC LATERAL
14921	26780588.16	726864.73	3099.18	TOP 8" PVC MAIN IN
41922	26780588.36	726870.98	3098.98	TOP 8" PVC MAIN OUT
41923	26780588.70	726868.23	3098.41	SSMH CL BARREL
42015	26780787.21	727080.22	3094.07	TOP 8" PVC MAIN OUT
42016	26780793.13	727079.31	3094.23	TOP 8" PVC MAIN IN
42017	26780790.23	727079.97	3093.50	SSMH CL BARREL

CLV PROJECT #L17-01206
CLV DRAWING #107Y5040-2B
FMP-71946

DATE: 12/19/2019
DRAWN BY: GS
DESIGNED BY: GS
CHECKED BY: GS
ADA CHECKED: 15016.0001
JOB NO.: 15016.0001
SCALE: 1"=40'
NO. DESCRIPTION
DATE: 12/19/2019

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TRI-CORE
SURVEYING, LLC
LAND SURVEYING · CONSTRUCTION STAKING
MAPPING & LAND DEVELOPMENT SERVICES
BOUNDARY & TOPOGRAPHIC SURVEYS
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PULTE HOMES

SUMMERLIN VILLAGE 26 - REVERENCE PHASE 2B

SANITARY SEWER FINAL LOCATION MAP

PROFESSIONAL LAND SURVEYOR
GREGORY D. SPINKELINK
EXPIRES 6-30-20
No. 14419

12-17-19

SHEET

2

OF 2