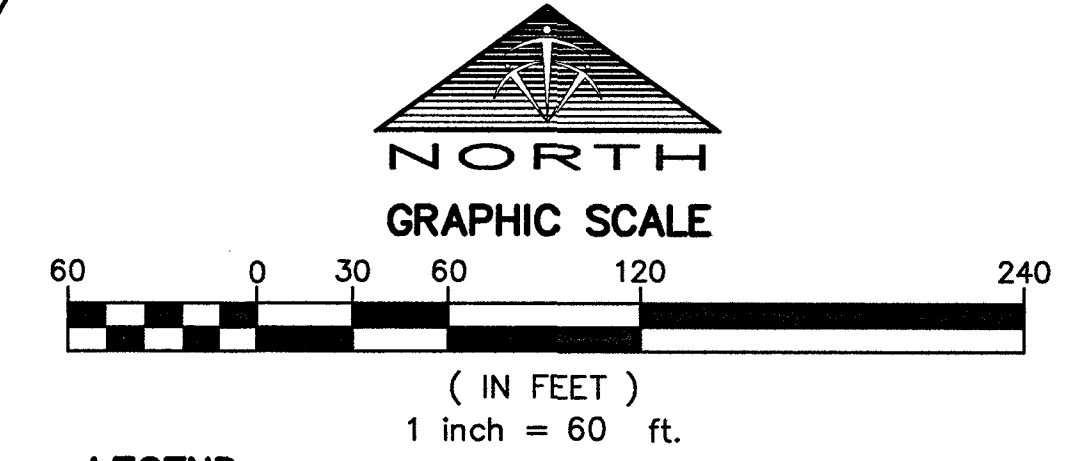
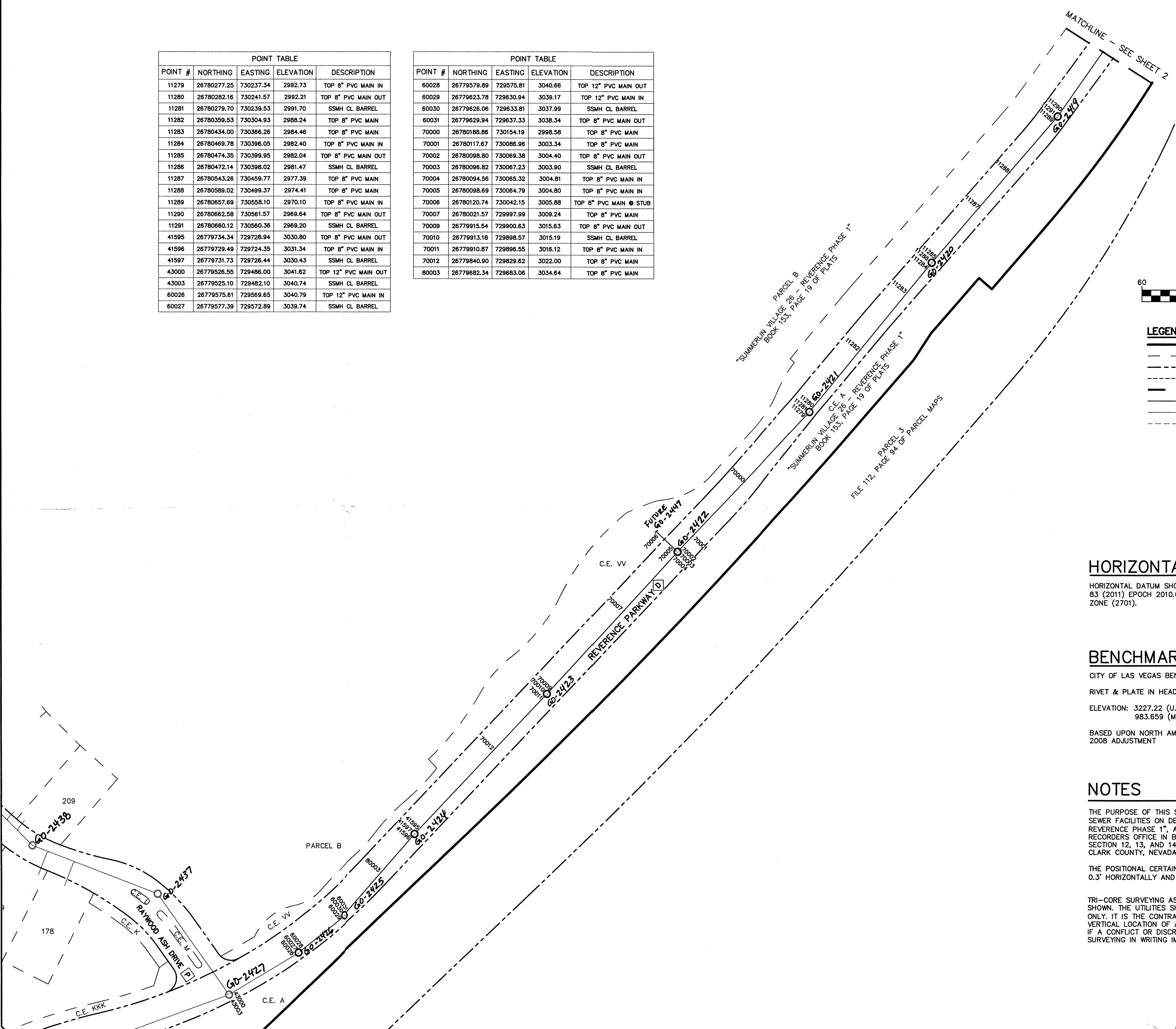


P:\15016.0001 - Reverence\Phase 1\ASBULL\CLV SEWER ASBULL\Desert Hope - Access Road\Desert Hope - Access Road - Sewer ASBULL.dwg rdoye Tue, 13 Mar 2018 - 12:23pm

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
11279	26780277.25	730237.34	2992.73	TOP 8" PVC MAIN IN
11280	26780282.16	730241.57	2992.21	TOP 8" PVC MAIN OUT
11281	26780279.70	730239.53	2991.70	SSMH CL BARREL
11282	26780359.53	730304.93	2988.24	TOP 8" PVC MAIN
11283	26780434.00	730366.26	2984.46	TOP 8" PVC MAIN
11284	26780469.78	730396.05	2982.40	TOP 8" PVC MAIN IN
11285	26780474.35	730399.95	2982.04	TOP 8" PVC MAIN OUT
11286	26780472.14	730398.02	2981.47	SSMH CL BARREL
11287	26780543.26	730459.77	2977.39	TOP 8" PVC MAIN
11288	26780589.02	730499.37	2974.41	TOP 8" PVC MAIN
11289	26780657.69	730558.10	2970.10	TOP 8" PVC MAIN IN
11290	26780662.58	730561.57	2969.64	TOP 8" PVC MAIN OUT
11291	26780660.12	730560.36	2969.20	SSMH CL BARREL
41595	26779734.34	729728.94	3030.80	TOP 8" PVC MAIN OUT
41596	26779729.49	729724.35	3031.34	TOP 8" PVC MAIN IN
41597	26779731.73	729726.44	3030.43	SSMH CL BARREL
43000	26779526.55	729486.00	3041.62	TOP 12" PVC MAIN OUT
43003	26779525.10	729482.10	3040.74	SSMH CL BARREL
60026	26779575.61	729569.65	3040.79	TOP 12" PVC MAIN IN
60027	26779577.39	729572.89	3039.74	SSMH CL BARREL

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
60028	26779579.89	729575.81	3040.66	TOP 12" PVC MAIN OUT
60029	26779623.78	729630.94	3039.17	TOP 12" PVC MAIN IN
60030	26779626.06	729633.81	3037.99	SSMH CL BARREL
60031	26779629.94	729637.33	3038.34	TOP 8" PVC MAIN OUT
70000	26780188.86	730154.19	2998.58	TOP 8" PVC MAIN
70001	26780117.67	730086.96	3003.34	TOP 8" PVC MAIN
70002	26780098.80	730069.38	3004.40	TOP 8" PVC MAIN OUT
70003	26780096.82	730067.23	3003.90	SSMH CL BARREL
70004	26780094.56	730065.32	3004.81	TOP 8" PVC MAIN IN
70005	26780098.69	730064.79	3004.80	TOP 8" PVC MAIN IN
70006	26780120.74	730042.15	3005.88	TOP 8" PVC MAIN STUB
70007	26780021.57	729997.99	3009.24	TOP 8" PVC MAIN
70009	26779915.54	729900.63	3015.63	TOP 8" PVC MAIN OUT
70010	26779913.18	729898.57	3015.19	SSMH CL BARREL
70011	26779910.87	729896.55	3016.12	TOP 8" PVC MAIN IN
70012	26779840.90	729829.62	3022.00	TOP 8" PVC MAIN
80003	26779682.34	729683.06	3034.64	TOP 8" PVC MAIN



- LEGEND**
- SUBDIVISION BOUNDARY LINE
 - LOT LINE / ASSESSOR'S PARCEL LINE
 - RIGHT-OF-WAY LINE
 - EXISTING BACK OF CURB
 - MATCHLINE
 - DESIGN SEWER LINE
 - PHASE 1 SEWER LINE
 - EXISTING SEWER LINE
 - EXISTING SEWER MANHOLE
 - PHASE 1 SEWER MANHOLE
 - DESIGN SEWER MANHOLE
 - AS-BUILT POINT NUMBER
 - PRIVATE STREET AND UTILITY EASEMENT
 - PUBLIC STREET

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 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 ON DESERT HOPE DRIVE - ACCESS ROAD IN "SUMMERLIN VILLAGE 26 - REFERENCE PHASE 1", AS SHOWN BY MAP THEREOF ON FILE IN THE CLARK COUNTY RECORDERS OFFICE IN BOOK 153, PAGE 14 OF PLATS, SITUATE IN THE PORTIONS OF THE SECTION 12, 13, AND 14, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AND THE SURVEY WAS COMPLETED ON MARCH 7, 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.

CLV PROJECT H#18839
 CLV DRAWING #107Y4950-AR
 FMP-65719

DATE:	3/13/2018
DESIGNED BY:	GS
CHECKED BY:	GS
JOB NO.:	15016.0001
SCALE:	1"=60'

TRI-CORE SURVEYING, LLC
 LAND SURVEYING - CONSTRUCTION STAKING
 MAPPING & LAND DEVELOPMENT SERVICES
 BOUNDARY & TOPOGRAPHIC SURVEYS
 6781 WEST CHARLESTON BLVD.
 LAS VEGAS, NEVADA 89146
 TEL (702) 891-1554 FAX (702) 870-4378

PULTE HOMES
 DESERT HOPE DRIVE - ACCESS ROAD
 REFERENCE (VILLAGE 26)
 SANITARY SEWER FINAL LOCATION MAP



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: March 26, 2018

Re: Sanitary Sewer Final Location Map
SV 26 DESERT HOPE DRIVE (ACCESS ROAD FOR REVERENCE
(Drawing No. 107Y4950-AR, L-Civil No. 18839)

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: March 26, 2018



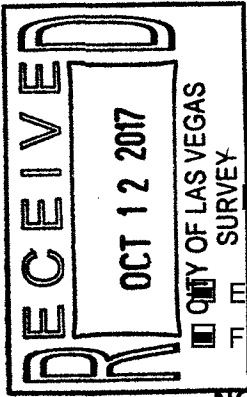
Signature

City Surveyor

Title

Public Works/Survey

Department/Division



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: DESERT HOPE DRIVE - ACCESS ROAD REVERENCE (VILLAGE 26) **UNIT:** **PHASE:**

PROJECT LOCATION: Cliff Shadows Parkway & 215 Beltway in Las Vegas, NV

CLV PLAN #: 107Y4950-AR **CLV PROJECT #** ~~18839~~ 18839 **SHEET NO. (S):** 14a-17a of 26

OF MANHOLES 16 **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: July 25, 2017

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: **NOT ACCEPTABLE BY CITY SURVEYOR DATE**

CLV SURVEYOR'S SIGNATURE: **DATE:** 3-26-18

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 18839 SS3
PROJECT NAME SV 26 DESERT HOPE DRIVE (ACCESS ROAD FOR REVERENCE)
WORK AUTH. NO. P28000
SUBMITTED BY Tri-Core Surveying(Gregory D. Spinkelink)
PROJECT TYPE CIP Land Dev Street Rehab
DATE 3/26/18
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)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Electronic media containing comma-separated coordinate file	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General Map Contents				
Sheet size 24" x 36"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sheet number and number of sheets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
North arrow (pointing up, left or right)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Scale (written & graphic, correctly shown, appropriate scale used)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lettering legibility (minimum text size 0.08")	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Map title shown ("Sanitary Sewer Final Location Map")	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV project name shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV Hansen No. shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV Drawing No. shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Preparer's company name and contact information shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Legend (all linetypes and symbols defined)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Non-standard abbreviations defined	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Distances, coordinates and elevations labeled using decimal feet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Approximate limits of streets shown (improvements or right-of-way)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Street names labeled (identified as public or private)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vaults and Junction Structures: (measured horizontally at all outer extents of structure, vertically at top of structure)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
*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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coordinate system indicated (only CLV approved coordinate systems are to be used)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Horizontal datum, datum adjustment, and epoch date indicated (only CLV approved datums are to be used)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Benchmark ID, description, elevation indicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Statement of positional accuracy per the tolerances indicated below	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
*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)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

ADDITIONAL COMMENTS