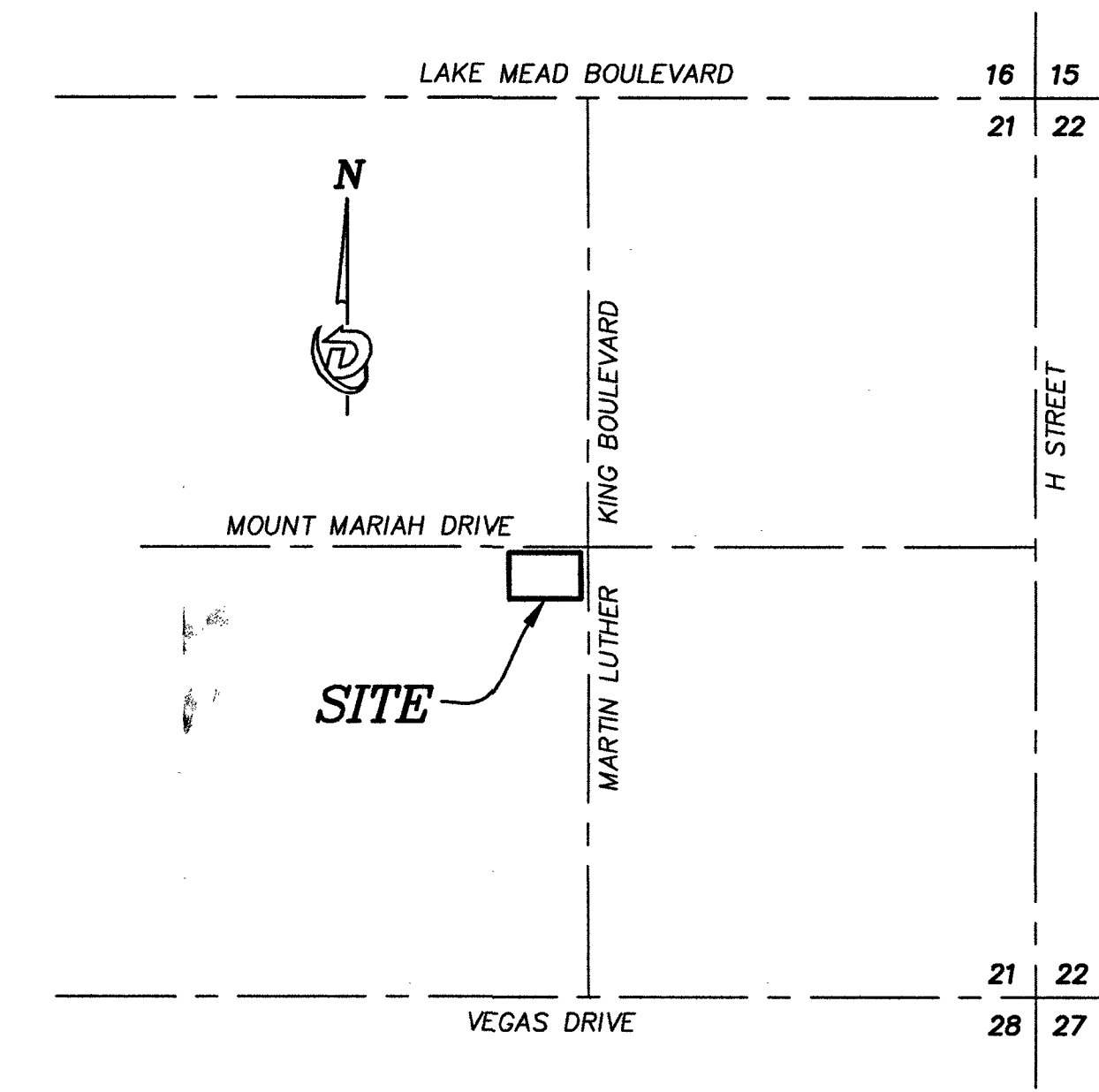
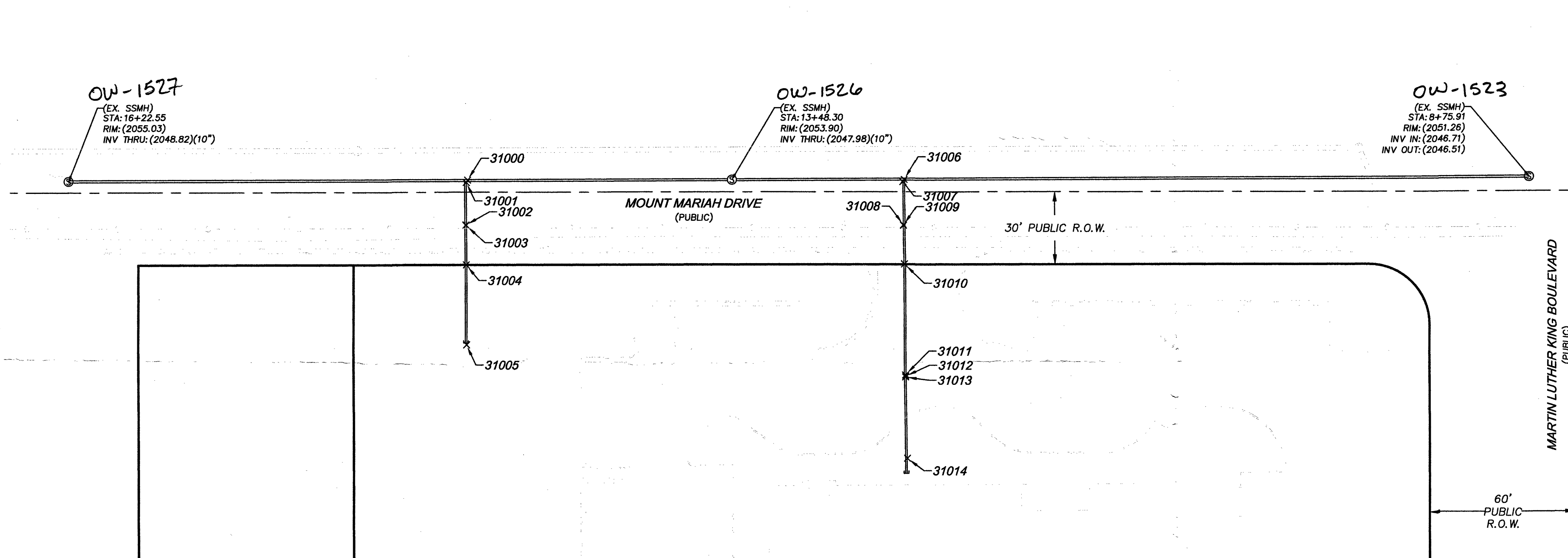


SANITARY SEWER FINAL LOCATION MAP  
FOR  
**MLK & MOUNT MARIAH  
MEDICAL OFFICE BUILDING**  
MAY 2017



VICINITY MAP  
SECTION 21, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M.,  
CLARK COUNTY, NEVADA  
NOT TO SCALE

Point #	Elevation	Northing	Easting	Description
31000	2049.05	26772336.58	780383.90	TOP 10IN EX SL
31001	2049.42	26772335.58	780383.36	TOP WYE
31002	2049.96	26772318.05	780383.23	TOP PIPE
31003	2050.42	26772317.90	780383.23	TOP GAS PIPE
31004	2050.46	26772301.64	780383.29	TOP PIPE @ PL
31005	2051.23	26772268.73	780383.57	TOP PIPE STUB
31006	2048.57	26772337.37	780564.46	TOP 10IN EX SL
31007	2048.77	26772336.50	780563.92	TOP WYE
31008	2049.47	26772318.66	780564.20	TOP PIPE
31009	2049.95	26772318.49	780564.20	TOP GAS PIPE
31010	2049.60	26772302.55	780564.53	TOP PIPE @ PL
31011	2050.00	26772256.76	780565.26	TOP PIPE
31012	2051.33	26772256.27	780565.27	TOP WATER PIPE
31013	2049.98	26772255.87	780565.23	TOP PIPE
31014	2050.25	26772222.27	780565.90	TOP PIPE

BASIS OF BEARINGS:

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE SYSTEM OF 1983, EAST ZONE (2701) NAD 83 (2011) EPOCH 2010.0; SAID MERIDIAN COINCIDENT WITH 115°35' WEST OF GREENWICH MERIDIAN

BENCHMARK HLV0121 C4

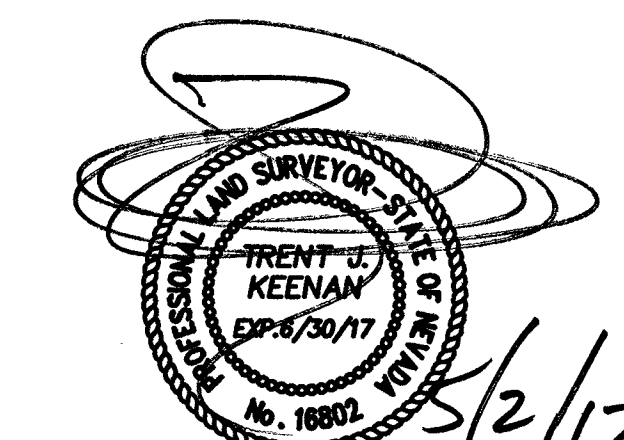
CITY OF LAS VEGAS BENCHMARK "44LV-0126A", BEING A RIVET AND PLATE IN THE TOP OF CURB, AT THE SOUTHEAST CORNER OF MARTIN LUTHER KING BOULEVARD AND LAKE MEAD BOULEVARD.

ELEVATION: 2052.15 (FEET)  
625.50 (METERS)

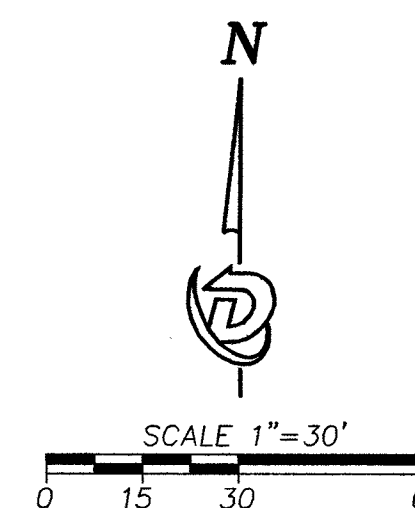
CITY OF LAS VEGAS VERTICAL CONTROL BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

POSITIONAL CERTAINTIES:

HORIZONTAL POSITIONAL CERTAINTY	VERTICAL POSITIONAL CERTAINTY
±0.3 ft	±0.3 ft



DIAMONDBACK LAND SURVEYING LLC.  
TRENT J. KEENAN  
NEVADA CERTIFICATE NO. 16802  
DATE OF MAP: MAY 1, 2017  
SURVEY COMPLETED ON APRIL 24, 2017



HANSEN #66665  
CLV DWG #107V6780

6140 BRENT THURMAN WAY, SUITE 230  
 LAS VEGAS, NEVADA 89148  
 (P) 702.823.0815 (F) 702.933.9030  
 www.diamondbacklandsurveying.com

**Diamondback**  
*Land Surveying*

REV	DATE

A PORTION OF A PORTION OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 21 SOUTH, RANGE 61 EAST, M.D.M., ALSO BEING A PORTION OF LOT 6 OF "AMENDED MAP OF LAS VEGAS SUBDIVISION", CLARK COUNTY, NEVADA, A.P.N. 139-21-312-0319-21-312-03

SANITARY SEWER FINAL LOCATION MAP  
 MLK & MOUNT MARIAH M.O.B.  
 1581 MOUNT MARIAH DRIVE

DATE: 5/1/2017  
 DRAWN BY: RJM  
 CHECKED BY: -  
 JOB NO. 160913

1  
 SHEET  
 OF 1 SHEETS

# Memorandum

Department of Public Works  
City Engineer Division  
Survey Section  
333 North Rancho Dr., 8<sup>th</sup> 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: Trent J. Keenan, PLS  
Diamondback Surveying

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

Date: May 15, 2017

Re: Sanitary Sewer Final Location Map  
MLK & MT. MARIAH MEDICAL BUILDING  
(Drawing No. 107V6760, L-Civil No. 66665)

---

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:

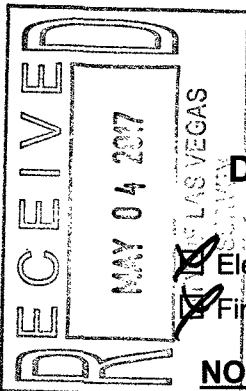
Acceptable: May 15, 2017

  
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: MLK MEDICAL OFFICE BUILDING UNIT: - PHASE: -  
 PROJECT LOCATION: 1501 MT. MARIAM DRIVE  
 CLV PLAN #: 107V6760 CLV PROJECT # 215020 SHEET NO. (S): C2.01  
 # OF MANHOLES 0 PUB. SEWER/STORM DRAIN LIN. FT. 0 # OF PRIVATE LATERALS 2

DEVELOPER: VT CONSTRUCTION PHONE: 702.658.7195 FAX: 702.395.0125  
 SURVEY CO.: DIAMOND BACK PHONE: 702.823.3257 FAX: 702.933.9030  
 CONTRACTOR: BYRD UNDERGROUNDS PHONE: 702.644.8886 FAX: 702.643.2973  
 CONTRACTOR'S SUPERVISOR NAME: ~~BYRD~~ TYLER MOBILE: 702.210.2850  
 DATE OF REQUEST: 5/2/17

**SUBMIT DIRECTLY TO THE OFFICE OF THE CITY SURVEYOR LOCATED ON THE 8<sup>th</sup> 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: 5/5/17 NOT ACCEPTABLE BY CITY SURVEYOR DATE \_\_\_\_\_

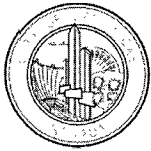
CLV SURVEYOR'S SIGNATURE: *[Signature]* DATE: 5/18/17

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**

**JOB NUMBER** H66665 SS1  
**PROJECT NAME** MLK & MT. MARIAH MEDICAL BUILDING  
**WORK AUTH. NO.** P28000  
**SUBMITTED BY** Diamondback Surveying (Trent J. Keenan)  
**PROJECT TYPE** CIP  Land Dev  Street Rehab   
**DATE** 5/15/17  
**REVIEWED BY** D. SANTANA\*

**REVIEW CHECKLIST**  
**SANITARY SEWER**  
**FINAL LOCATION MAP**

**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
<b>Submittal Contents</b>				
Two bond copies (no mylar)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Electronic media containing comma-separated coordinate file	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>General Map Contents</b>				
Sheet size 24" x 36"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sheet number and number of sheets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
North arrow (pointing up, left or right)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Scale (written & graphic, correctly shown, appropriate scale used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lettering legibility (minimum text size 0.08")	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Map title shown ("Sanitary Sewer Final Location Map")	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV project name shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV Hansen No. shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV Drawing No. shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Preparer's company name and contact information shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Legend (all linetypes and symbols defined)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Non-standard abbreviations defined	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Distances, coordinates and elevations labeled using decimal feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Approximate limits of streets shown (improvements or right-of-way)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Street names labeled (identified as public or private)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**REVIEW CHECKLIST – SANITARY SEWER FINAL LOCATION MAP**

REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
<b>Sanitary Sewer Improvements Data</b>				
<b>*NOTE</b> 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>	
<b>*NOTE</b> 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.				
<b>Coordinate Information</b>				
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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Benchmark ID, description, elevation indicated	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	14LV0121C4 - HAND WRITTEN IN.
Statement of positional accuracy per the tolerances indicated below	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>*NOTE</b> 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

ADDITIONAL COMMENTS	