



# 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: Chris Knight, Director  
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: August 11, 2014

Re: Sanitary Sewer Final Location Map  
Sewer-Northstar  
(Drawing No. 307V1081, L-Civil No. 52144)

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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: 8/11/2014

  
Signature

City Surveyor  
Title

Public Works/Survey  
Department/Division

ARR/OS:sk

# 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) 363-1051

JUL 22 2014

## DEVELOPER'S SUBMITTAL OF GPS COORDINATES **RECEIVED**

CITY OF LAS VEGAS  
SURVEY

Sewer

Storm Drain

JUL 17 2014

City of Las Vegas  
Land Development

Electronic Comma Delineated File

Final Location Map (2)

**NOTE: THE TOP PART OF THIS FORM MUST BE FILLED OUT IN ITS ENTIRETY**

PROJECT NAME: NORTHSTAR BY PULTE HOMES UNIT: \_\_\_\_\_ PHASE: \_\_\_\_\_  
PROJECT LOCATION: LONG MOUNTAIN / JANELLE, CLARK COUNTY, NV  
CLV PLAN #: 30741081 CLV PROJECT # H#52144 SHEET NO. (S): U1 - 70F9  
# OF MANHOLES 2 PUB. SEWER/STORM DRAIN LIN. FT. 560 # OF PRIVATE LATERALS 11

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: KNL PIPELINE PHONE: 702-726-0101 FAX: 702-253-1768  
CONTRACTOR'S SUPERVISOR NAME: GREG WALKER MOBILE: 702-726-0101  
DATE OF REQUEST: JULY 17, 2014

### THIS SEWER HAS BEEN SURVEYED BY NEVADA LICENSED LAND SURVEYOR:

Company Name TRI-CORE SURVEYING Surveyor Name GREG SPINKELINK  
License # 14419 License exp. Date: 6-30-16

#### CITY USE ONLY

DATE SR. INSPECTOR RECEIVED: 7/17/14 SR. INSPECTOR INITIALS: M.J.C.

DATE RECEIVED FROM SR. INSPECTOR AND SENT TO CITY SURVEYOR: \_\_\_\_\_

ACCEPTABLE BY CITY SURVEYOR DATE: 8/11/14 NOT ACCEPTABLE BY CITY SURVEYOR DATE \_\_\_\_\_

CLV SURVEYOR'S SIGNATURE: [Signature] DATE: 8-11-14

THE CITY OF LAS VEGAS RECOMMENDS THAT ALL DEFICIENCIES NOTED ON THE ATTACHED SURVEY REPORT BE CORRECTED PRIOR TO THE FINAL ACCEPTANCE.

#### For Sanitary Sewer To Complete and Return to Offsite Inspection & Testing:

RECEIVED BY: Joe Pena  
(PLEASE PRINT)

SIGNATURE: [Signature] DATE: 8/19/2014

#### For Flood Control To Complete and Return to Offsite Inspection & Testing:

RECEIVED BY: \_\_\_\_\_  
(PLEASE PRINT)

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**RECEIVED**  
JUL 22 2014  
OFFSITE INSPECTION & TESTING



**City of Las Vegas**  
**Department of Public Works**  
**Survey Section**

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

JOB NUMBER H52144-SS1  
PROJECT NAME NORTHSTAR  
WORK AUTH. NO. P28000  
SURVEY FIRM TKI CORP SURVEYING  
PROJECT TYPE CIP  Land Dev  Street Rehab   
DATE 8/11/14  
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
<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"/>	
Survey firm'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>				
Manhole Lids: (measured horizontally at centerline of lid, vertically at rim; specify diameter of lid)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>*NOTE</b> In the case of a two-piece lid system locate outer lid only (specify diameter of outer lid).				
Manhole Barrel: (measured horizontally at centerline of structure barrel, 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"/>	
<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>Survey Information</b>				
Survey completion date indicated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Statement of positional certainty (0.3' horizontally, 0.3' vertically)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Surveyor's seal (validated and current)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Basis of bearings and coordinate system indicated (only CLV approved coordinate systems are to be used, basis of bearings must agree with coordinate system 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 and CLV adjustment indicated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>*NOTE</b> Only benchmarks and benchmark elevations included in the most recent CLV Vertical Control Network adjustment are to be used, this may require using a different benchmark or benchmark elevation than shown on the improvement plans.				
Survey accuracy QA/QC (when available)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

<b>ADDITIONAL COMMENTS</b>				