

# 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: Ross J. Doyle, PLS  
Tri-Core Surveying

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

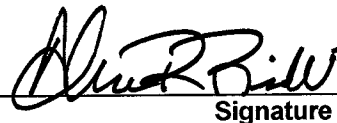
Date: August 23, 2017

Re: Sanitary Sewer Final Location Map  
BLM SITE 11 (AKA TROPICAL / MICHELLI)  
(Drawing No. 107V6762, L-Civil No. 66442)

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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:

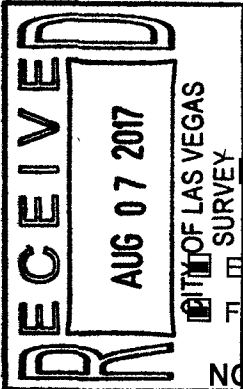
Acceptable: August 23, 2017

  
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: BLM SITE 11 OFF-SITE IMPROVEMENT PLANS      UNIT:           PHASE:     

PROJECT LOCATION: Tropical Parkway and Alpine Ridge Way in Las Vegas, NV

CLV PLAN #: 107V6762      CLV PROJECT # 66442      SHEET NO. (S): 8-15 of 25

# OF MANHOLES 14      PUB. SEWER/STORM DRAIN LIN. FT.           # OF PRIVATE LATERALS     

DEVELOPER: DR Horton      PHONE: 702-635-3600      FAX: 800-538-0735

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

CONTRACTOR: KNL Construction      PHONE: 702-726-0101      FAX: 702-253-1768

CONTRACTOR'S SUPERVISOR NAME: Greg Walker      MOBILE: 702-726-0101

DATE OF REQUEST: July 24, 2017

**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: 8/23/17 NOT ACCEPTABLE BY CITY SURVEYOR DATE \_\_\_\_\_

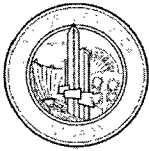
CLV SURVEYOR'S SIGNATURE: *Oliver R. R...*      DATE: 8/23/17

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**

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

JOB NUMBER H66442 SS1  
PROJECT NAME BLM SITE 11 (AKA TROPICAL / MICHELLI)  
WORK AUTH. NO. P28000  
SUBMITTED BY Tri-Core Surveying(Ross J. Doyle)  
PROJECT TYPE CIP  Land Dev  Street Rehab   
DATE 8/22/17  
REVIEWED BY D. SANTANA

**REVIEW DETERMINATION**

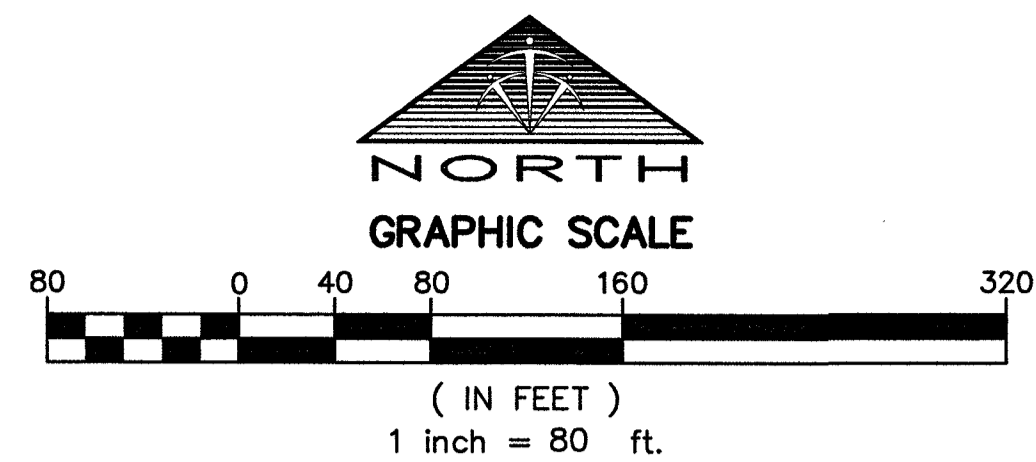
- Approved
- Not Acceptable

**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"/>	
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"/>	





**LEGEND**

---	SUBDIVISION BOUNDARY LINE
- - - -	LOT LINE / ASSESSOR'S PARCEL LINE
---	PRIVATE STREET LINE
- - - -	RIGHT-OF-WAY LINE
---	MATCHLINE
---	SEWER LINE
- - - -	EXISTING SEWER LINE
○	SEWER MANHOLE
○	EXISTING SEWER MANHOLE
5100	AS-BUILT POINT NUMBER

**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: 1C9925SSW6  
 RIVET & SQUARE ALUMINUM PLATE IN NORTHEAST CORNER OF A CONCRETE BASE OF LARGE POWER POLE (#40-8) AT THE WEST END OF ANN ROAD.  
 ELEVATION: 2,888.33 (U.S. SURVEY FEET)  
 880.365 (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 "BLM SITE 11 WEST", BOOK 153, PAGE 61 OF PLATS AND "BLM SITE 11 EAST", BOOK 153, PAGE 90 OF PLATS, SITUATE IN THE SOUTHWEST QUARTER (SW 1/4) AND THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 25, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AND THE SURVEY WAS COMPLETED ON JULY 19, 2017.

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
1000	26799053.94	733062.24	0.00	SCRIBED X @ LOT 4/5
5012	26799974.26	732930.40	2810.14	TOP 8" PVC MAIN OUT
5013	26799974.15	732927.92	2809.62	SSMH CL BARREL
5014	26799974.12	732925.76	2810.39	TOP 8" PVC MAIN IN
5015	26798851.34	733240.89	2797.34	TOP 8" PVC MAIN IN
5016	26798853.97	733243.62	2797.14	TOP 8" PVC MAIN OUT
5025	26798851.19	733243.84	2797.67	SSMH CL BARREL
5026	26799078.28	733240.31	2795.84	TOP 8" PVC MAIN IN
5027	26799078.59	733237.63	2795.88	TOP 8" PVC MAIN IN
5028	26799081.34	733240.03	2795.77	TOP 8" PVC MAIN OUT
5029	26799078.86	733240.19	2795.05	SSMH CL BARREL
5037	26799306.12	733237.90	2794.86	TOP 8" PVC MAIN IN
5038	26799310.56	733237.64	2794.82	TOP 8" PVC MAIN OUT
5039	26799308.38	733237.70	2794.20	SSMH CL BARREL
6000	26799456.32	732575.46	2826.99	TOP 8" PVC MAIN OUT
6001	26799453.41	732575.70	2827.44	SSMH CL BARREL
6002	26799453.57	732572.87	2827.18	TOP 8" PVC MAIN IN
6022	26799773.58	732521.55	2827.99	TOP 8" PVC MAIN IN
6023	26799773.59	732524.15	2827.21	SSMH CL BARREL
6024	26799775.61	732526.23	2827.73	TOP 8" PVC MAIN OUT
6112	26799451.08	732365.52	2829.30	TOP 8" PVC MAIN OUT
6113	26799451.07	732362.79	2828.79	SSMH CL BARREL
6114	26799451.14	732360.14	2829.31	TOP 8" PVC MAIN IN
25001	26799978.70	733230.44	2791.42	INV IN @ SSMH
25002	26799978.43	733231.16	2791.38	SSMH CL BARREL
25004	26799979.27	733233.40	2791.96	TOP 8" PVC MAIN OUT
25005	26799976.45	733231.57	2792.12	TOP 8" PVC MAIN IN

**POINT TABLE**

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
25014	26799969.42	732626.98	2821.08	TOP 8" PVC MAIN OUT
25015	26799969.58	732624.67	2821.24	SSMH CL BARREL
25016	26799967.63	732623.20	2821.45	TOP 8" PVC MAIN IN
25017	26799825.05	732572.98	2825.09	TOP 8" PVC MAIN OUT
25018	26799820.42	732571.04	2825.28	TOP 8" PVC MAIN IN
25019	26799819.64	732573.01	2825.23	TOP 8" PVC MAIN IN
25020	26799822.40	732572.94	2824.52	SSMH CL BARREL
25021	26799917.64	732574.92	2823.09	TOP 8" PVC MAIN OUT
25022	26799912.97	732573.04	2823.28	TOP 8" PVC MAIN IN
25023	26799915.64	732572.90	2822.46	SSMH CL BARREL
25024	26799536.48	733235.95	2793.45	SSMH CL BARREL
25025	26799539.28	733235.96	2794.08	TOP 8" PVC MAIN OUT
25026	26799537.01	733233.32	2794.27	TOP 8" PVC MAIN IN
25027	26799534.53	733235.77	2794.12	TOP 8" PVC MAIN IN
25028	26798645.56	732908.33	2809.80	TOP 8" PVC MAIN @ STUB
25029	26798645.71	732915.20	2809.62	TOP 8" PVC MAIN IN
25030	26798645.95	732920.46	2809.43	TOP 8" PVC MAIN OUT
25031	26798645.86	732917.78	2808.88	SSMH CL BARREL
28000	26799999.28	733909.98	2777.17	INV IN @ SSMH
28001	26799999.34	733911.31	2776.97	SSMH CL BARREL
28002	26799999.29	733911.79	2777.04	INV OUT @ SSMH
50002	26799991.53	733425.79	2787.93	TOP 8" PVC MAIN OUT
50003	26799990.35	733420.53	2788.10	TOP 8" PVC MAIN IN
50004	26799990.88	733422.42	2787.38	SSMH CL BARREL
50005	26799985.79	733332.81	2789.90	TOP 8" PVC MAIN

P:\27516\0015\_BLM\_11\Construction\Submittals\SEWER\Offsite Sewer\Asbuilt - Offsite.dwg rcdpjr Mon, 24 Jul 2017 - 11:05am

DATE:	7/24/2017	CS	RD	NO.	DESCRIPTION	DATE	APP'D
PM:	CS	RD	CS	1"	80'		
DRAWN BY:	DR	CS	CS	JOB NO.:	27516.0015		
CHECKED BY:	CS	CS	CS	SCALE:	1"=80'		
ADA CHECKED:							

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing. any errors or omissions are the responsibility of the contractor. This drawing is the property of Tri-Core Surveying, LLC and shall not be reproduced or used for any other purpose without the written consent of Tri-Core Surveying, LLC.

**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) 821-1584 FAX (702) 870-4378

DR HORTON

BLM SITE 11 OFF-SITE IMPROVEMENT PLANS

SANITARY SEWER FINAL LOCATION MAP

SHEET

1

OF 1

CLV PROJECT H#66442  
 CLV DRAWING #107V6762  
 FMP-68005, 68007