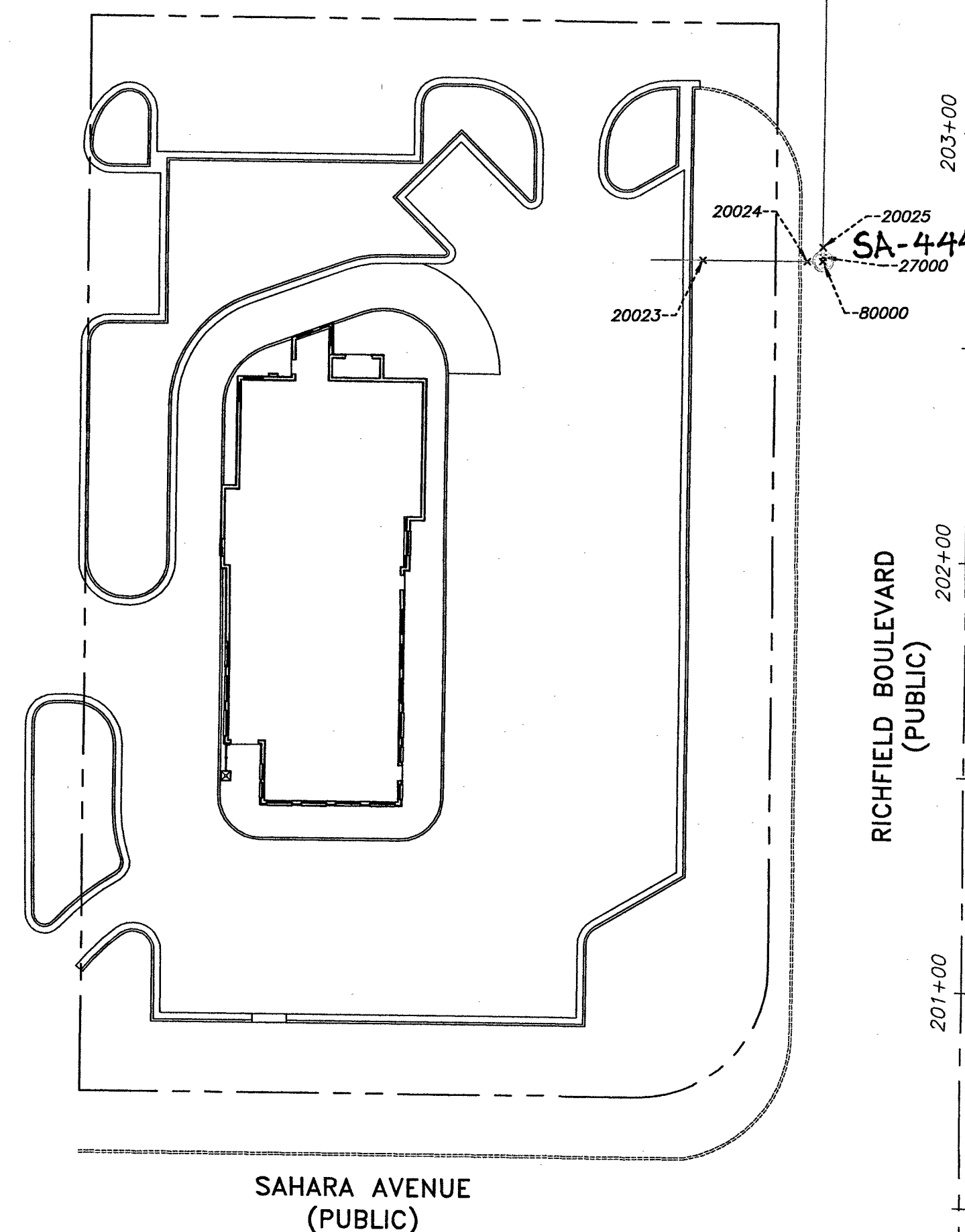


ID	Y	X	Z	DESC
20023	26754681	774605.6	2099.208	PIPE-TOP
20024	26754681	774629.8	2098.669	PIPE-TOP
20025	26754684	774633.5	2098.427	PIPE-TOP
20026	26754981	774635	2095.838	PIPE-TOP
27000	26754682	774633.5	2101.607	SWR-MH
27001	26754983	774635	2099.531	EX-SWR-MH
80000	26754681	774633.5		0 CL BARREL
80001	26754984	774635		0 CL BARREL

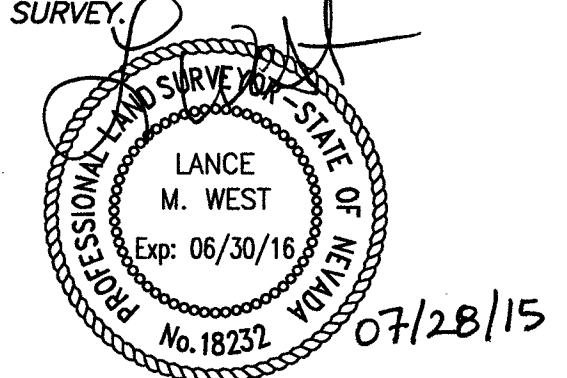
AS SHOWN BY MAP THEREOF IN BOOK 118, PAGE 44 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA, BEING A PORTION OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHWEST (SW 1/4) OF SECTION 5, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

POINT TABLE				
POINT NO.	RAW DESC.	ELEVATION	NORTHING	EASTING
20023	PIPE-TOP	2099.21	618042.0046	264444.6951
20024	PIPE-TOP	2098.67	618041.7625	264468.9555
20025	PIPE-TOP	2098.43	618045.0710	264472.6544
20026	PIPE-TOP	2095.84	618341.8182	264476.0040
27000	SWR-MH	2101.61	618042.7217	264472.6555
27001	EX-SWR-MH	2099.53	618343.8033	264476.0731
80000	CL BARREL	2099.00	618041.7260	264472.6057
80001	CL BARREL	0.00	618344.8185	264476.0855



- 1) SURVEY WAS COMPLETED ON JULY 27, 2015.
- 2) THE POSITIONAL CERTAINTY FOR THIS SURVEY IS 0.5' HORIZONTAL AND 0.5' VERTICAL BASED ON NAD83(2011), EPOCH 2010.00
- 3) THE POSITIONAL CERTAINTY STATED DOES NOT TAKE INTO ACCOUNT ANY MODIFICATIONS TO THE PIPE, MANHOLES OR LATERALS COMPLETED AFTER THE DATE OF SURVEY.

LANCE M. WEST
PROFESSIONAL LAND SURVEYOR
NEVADA LICENSE NO. 18232



GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

ZONE: LAS VEGAS ELEVATION ZONE

DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.00

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

PROJECTION: TRANSVERSE MERCATOR

STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N

LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W

NORTHING AT GRID ORIGIN: 200,000.00 M (656,166.6667 FEET US)

EASTING AT CENTRAL MERIDIAN: 100,000.00 M (328,083.3333 FEET US)

SCALE FACTOR ON CENTRAL MERIDIAN; 1.0001 (EXACT)

NOTES:

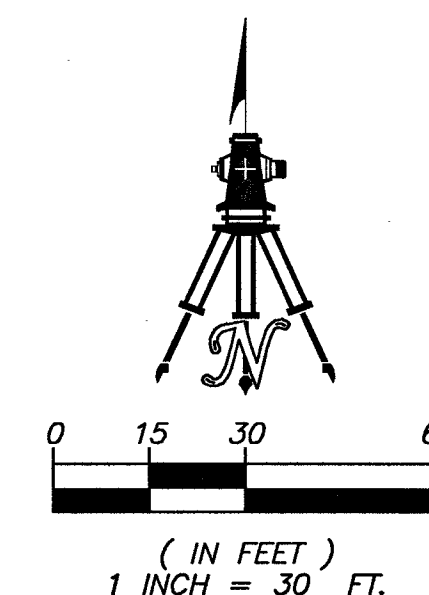
1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION.
2. GRID BEARING SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARING DUE TO MERIDIAN CONVERGENCE.

12LV115S4 - BEING A RIVET AND PLATE IN THE TOP OF CURB AT NW CORNER OF RICHFIELD BLVD.
AND SAHARA AVE.

2102.12 US SURVEY FEET
640.728 METERS

N.A.V.D. 88 DATUM

_____	RIGHT-OF-WAY LINE		
_____	STREET CENTERLINE	CL BARREL	CENTER OF MANHOLE BARREL
_____	SEWER LINE	SWR-MH	SHOT TAKEN AT CENTER OF 24" MANHOLE LID WITH 38" COLLAR
_____	EXISTING CURB		
×	POINT LOCATION	EX-SWR-MH	SHOT TAKEN AT CENTER OF 24" MANHOLE LID
23118	POINT NUMBER		
Ⓢ	SEWER MANHOLE	PIPE-TOP	SHOT TAKEN ON TOP OF PIPE



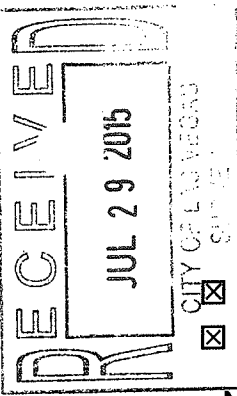
SHEET 1 OF 1

H# 57047
DWG# 107V6396

SANITARY SEWER FINAL LOCATION MAP
PDQ @ SAHARA AVENUE & RICHFIELD BOULEVARD
AS SHOWN BY MAP THEREOF IN BOOK 118, PAGE 44 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA, BEING A PORTION OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHWEST (SW 1/4) OF SECTION 5, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.



WALLACE • MORRIS • KLINE
SURVEYING, INC.
LAND SURVEY CONSULTING
 5740 SOUTH ARVILLE STREET, #206
 LAS VEGAS, NEVADA 89118
 PH:702.212.3967 FX:702.212.3963



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

DEVELOPER'S SUBMITTAL OF GPS COORDINATES

☒ Sewer

☐ Storm Drain

☒ Electronic Comma Delineated File

☒ Final Location Map (2)

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

PROJECT NAME: PDQ @ SAHARA AND RICHFIELD UNIT: N/A PHASE: N/A

PROJECT LOCATION: SAHARA AVENUE AND RICHFIELD BOULEVARD

CLV PLAN #: 57047 CLV PROJECT # 107V6396 SHEET NO. (S): 1

OF MANHOLES 1 PUB. SEWER/STORM DRAIN LIN. FT. 340 # OF PRIVATE LATERALS N/A

DEVELOPER: BRESLIN BUILDERS PHONE: 702-798-3977 FAX: 702-798-3908

SURVEY CO.: WALLACE MORRIS KLINE PHONE: 702-212-3967 FAX: 702-212-3963

CONTRACTOR: UNDERGROUND INC. PHONE: 702-382-5446 FAX: 702-385-7370

CONTRACTOR'S SUPERVISOR NAME: JOHNNY JARVIS MOBILE: 702-234-3197

DATE OF REQUEST: JULY 23, 2015

THIS SEWER HAS BEEN SURVEYED BY NEVADA LICENSED LAND SURVEYOR:

Company Name WALLACE MORRIS KLINE Surveyor Name LANCE WEST

License # 18232 License exp. Date: 06/30/16

CITY USE ONLY

DATE SR. INSPECTOR RECEIVED: _____ SR. INSPECTOR INITIALS: _____

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

ACCEPTABLE BY CITY SURVEYOR DATE: 8/4/15 NOT ACCEPTABLE BY CITY SURVEYOR DATE _____

CLV SURVEYOR'S SIGNATURE: [Signature] DATE: 8-4-15

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:

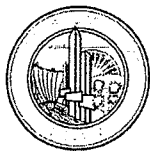
RECEIVED BY: Joe Peña
(PLEASE PRINT)

SIGNATURE: [Signature] DATE: 8/24/2015

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

RECEIVED BY: _____
(PLEASE PRINT)

SIGNATURE: _____ DATE: _____



City of Las Vegas
Department of Public Works
Survey Section

REVIEW CHECKLIST
SANITARY SEWER
FINAL LOCATION MAP

JOB NUMBER H57047 SS1
PROJECT NAME PDQ
WORK AUTH. NO. P28000
SUBMITTED BY Wallace Morris Kline Surveying
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE 8/4/15
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)	☒	☐	☐	
Electronic media containing comma-separated coordinate file	☒	☐	☐	
General Map Contents				
Sheet size 24" x 36"	☒	☐	☐	
Sheet number and number of sheets	☒	☐	☐	
North arrow (pointing up, left or right)	☒	☐	☐	
Scale (written & graphic, correctly shown, appropriate scale used)	☒	☐	☐	
Lettering legibility (minimum text size 0.08")	☒	☐	☐	
Map title shown ("Sanitary Sewer Final Location Map")	☒	☐	☐	
CLV project name shown	☒	☐	☐	
CLV Hansen No. shown	☒	☐	☐	
CLV Drawing No. shown	☒	☐	☐	
Preparer's company name and contact information shown	☒	☐	☐	
Legend (all linetypes and symbols defined)	☒	☐	☐	
Non-standard abbreviations defined	☒	☐	☐	
Distances, coordinates and elevations labeled using decimal feet	☒	☐	☐	
Approximate limits of streets shown (improvements or right-of-way)	☒	☐	☐	
Street names labeled (identified as public or private)	☒	☐	☐	

REVIEW CHECKLIST – SANITARY SEWER FINAL LOCATION MAP

REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
Sanitary Sewer Improvements Data				
Manhole Lids: (measured horizontally at centerline of lid, vertically at rim; specify diameter of lid)	☒	☐	☐	
*NOTE 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)	☒	☐	☐	
Vaults and Junction Structures: (measured horizontally at all outer extents of structure, vertically at top of structure)	☐	☐	☒	
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)	☒	☐	☐	
*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	☒	☐	☐	
Coordinate system indicated (only CLV approved coordinate systems are to be used)	☒	☐	☐	
Horizontal datum, datum adjustment, and epoch date indicated (only CLV approved datums are to be used)	☒	☐	☐	
Benchmark ID, description, elevation indicated	☒	☐	☐	
*NOTE Coordinates provided must be accurate to within ± 0.5 feet (6 inches) horizontally and vertically.				
Coordinate accuracy QA/QC (when available)	☐	☐	☒	

ADDITIONAL COMMENTS

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

Lance M. West, PLS
Wallace Morris Kline Surveying, Inc.

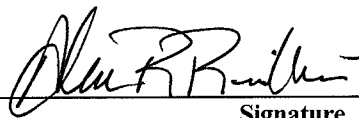
From: Alan R. Riecki, PLS
City Surveyor

Date: August 04, 2015

Re: Sanitary Sewer Final Location Map
PDQ
(Drawing No. 107V6396, L-Civil No. 57047)

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: 8/04/2015



Signature

City Surveyor

Title

Public Works/Survey

Department/Division

ARR/OS:sk

C: Tim Parks, P.E.
Ralph Kouns
Wally Simpson
Mark Christensen