

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: Ryan Martina, PLS
Jemison Surveying Services

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

Date: December 5, 2019

Re: Sanitary Sewer Final Location Map
SUMMERLIN WEST V21 - REDPOINT DRIVE - DESERT FOOTHILLS DRIVE TO
CARRIAGE HILL DRIVE
(Drawing No. 107V7425, L-Civil No. L18-01666)

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: December 5, 2019



Signature

City Surveyor

Title

Public Works/Survey

Department/Division

ARR/OS:mj

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: REDPOINT DRIVE DESERT FOOTHILLS TO CARRIAGE HILL UNIT: - PHASE: -
PROJECT LOCATION: REDPOINT DRIVE AND DESERT FOOTHILLS
CLV PLAN #: 107V7425 CLV PROJECT # L18-01666 SHEET NO. (S): 2
OF MANHOLES 9 PUB. SEWER/STORM DRAIN LIN. FT. 1612 # OF PRIVATE LATERALS 0

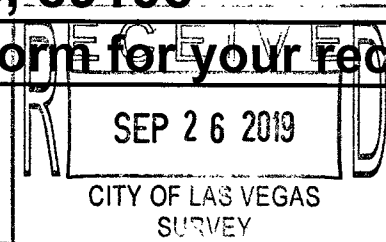
DEVELOPER: HOWARD HUGHES COMPANY LLC PHONE: 702-791-4000 FAX:
SURVEY CO.: JEMISON SURVEYING SERVICES PHONE: 702-360-4838 FAX: 702-360-4839
CONTRACTOR: CONTRI CONSTRUCTION PHONE: 702-458-6004 FAX: 702-458-7746
CONTRACTOR'S SUPERVISOR NAME: DAVID MCDANIEL MOBILE: 702-787-7345
DATE OF REQUEST: 09/19/19

**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: 01/5/19 NOT ACCEPTABLE BY CITY SURVEYOR DATE

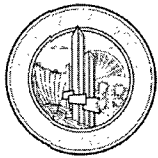
CLV SURVEYOR'S SIGNATURE: *David R. B. [Signature]* DATE: 12-5-19

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 L18-01666 SS2
PROJECT NAME SUMMERLIN WEST V21 - REDPOINT DRIVE - DESERT FOOTHILLS DRIVE
WORK AUTH. NO. P28000
SUBMITTED BY JEMISON SURVEYING (RYAN MARTINA)
PROJECT TYPE CIP ☐ Land Dev ☐ Street Rehab ☐
DATE 12/5/19
REVIEWED BY O. SANTANA

REVIEW DETERMINATION

- ☒ Approved
☐ Not Acceptable

TO BE RE-SUBMITTED

- ☐ Two bond copies (no mylar)
☐ Electronic media with comma-separated coordinate file

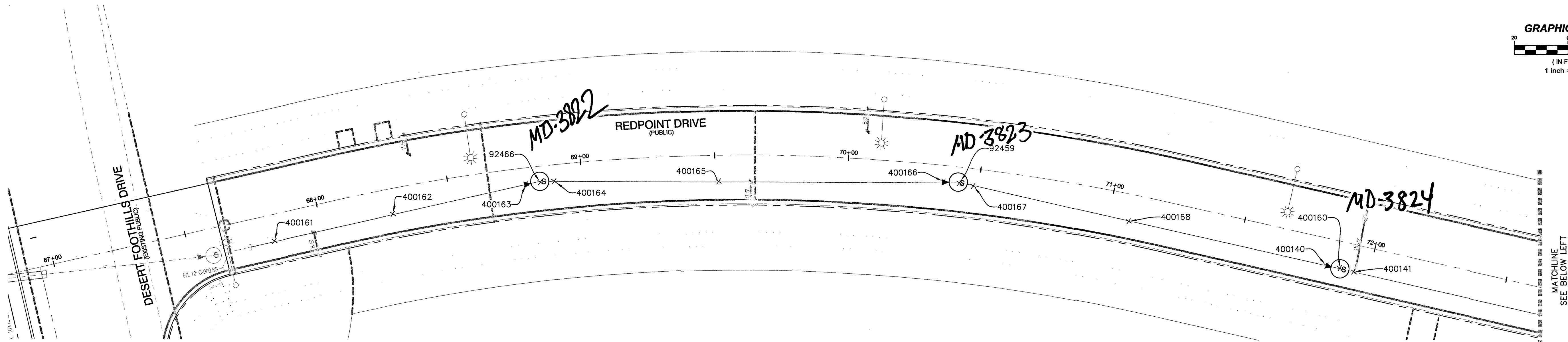
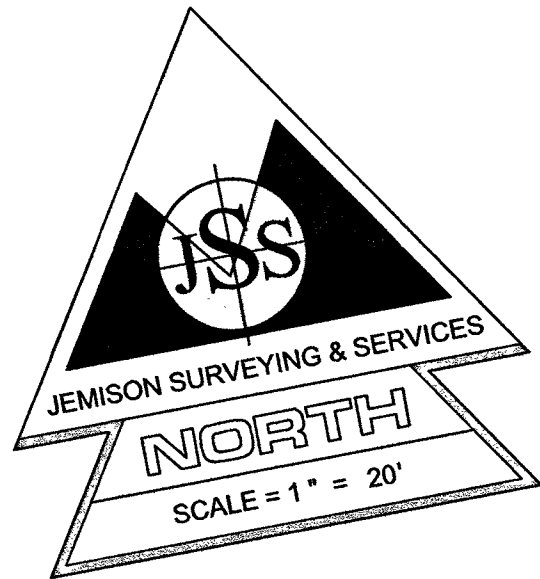
REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
Submittal Contents				
Two bond copies (no mylar)	☒	☐	☐	
Electronic media containing comma-separated coordinate file	☒	☐	☐	
General Map Contents				
Sheet size 24" x 36"	☐	☐	☐	
Sheet number and number of sheets	☐	☐	☐	
North arrow (pointing up, left or right)	☐	☐	☐	
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				
*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)	☒	☐	☐	
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	☒	☐	☐	
Statement of positional accuracy per the tolerances indicated below	☒	☐	☐	
*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)	☒	☐	☐	

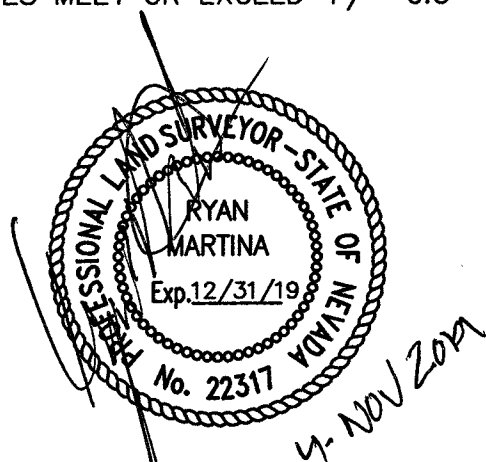
ADDITIONAL COMMENTS

SANITARY SEWER FINAL LOCATION MAP
SUMMERLIN WEST VILLAGE 21
REDPOINT DRIVE
DESERT FOOTHILLS TO CARRIAGE HILL



SURVEYOR'S CERTIFICATE

I, RYAN MARTINA, A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF NEVADA, CERTIFY THAT: _
THIS AS-BUILT SURVEY WAS COMPLETED ON FEBRUARY 5, 2019.
THE SURVEY IS BASED UPON THE CITY OF LAS VEGAS HORIZONTAL AND VERTICAL CONTROL AS INDICATED ON THE APPROVED PLANS, AND POSITIONAL ACCURACIES MEET OR EXCEED +/- 0.3' HORIZONTALLY AND VERTICALLY.
RYAN MARTINA
NEVADA P.L.S. 22317



BASIS OF BEARINGS

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 HIGH ELEVATION ZONE
DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.0
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: 400,000.00 M (1,312,333.3333 FEET US)
EASTING AT CENTRAL MERIDIAN: 300,000.00 M (984,250.0000 FEET US)
SCALE FACTOR ON CENTRAL MERIDIAN: 1.000135 (EXACT)

- NOTES:
1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION. THE PROJECTION WAS DEFINED SUCH THAT PROJECTED (GRID) DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES IN THE PROJECT AREA.
 2. GRID BEARING SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARING DUE TO MERIDIAN CONVERGENCE.

BENCHMARK

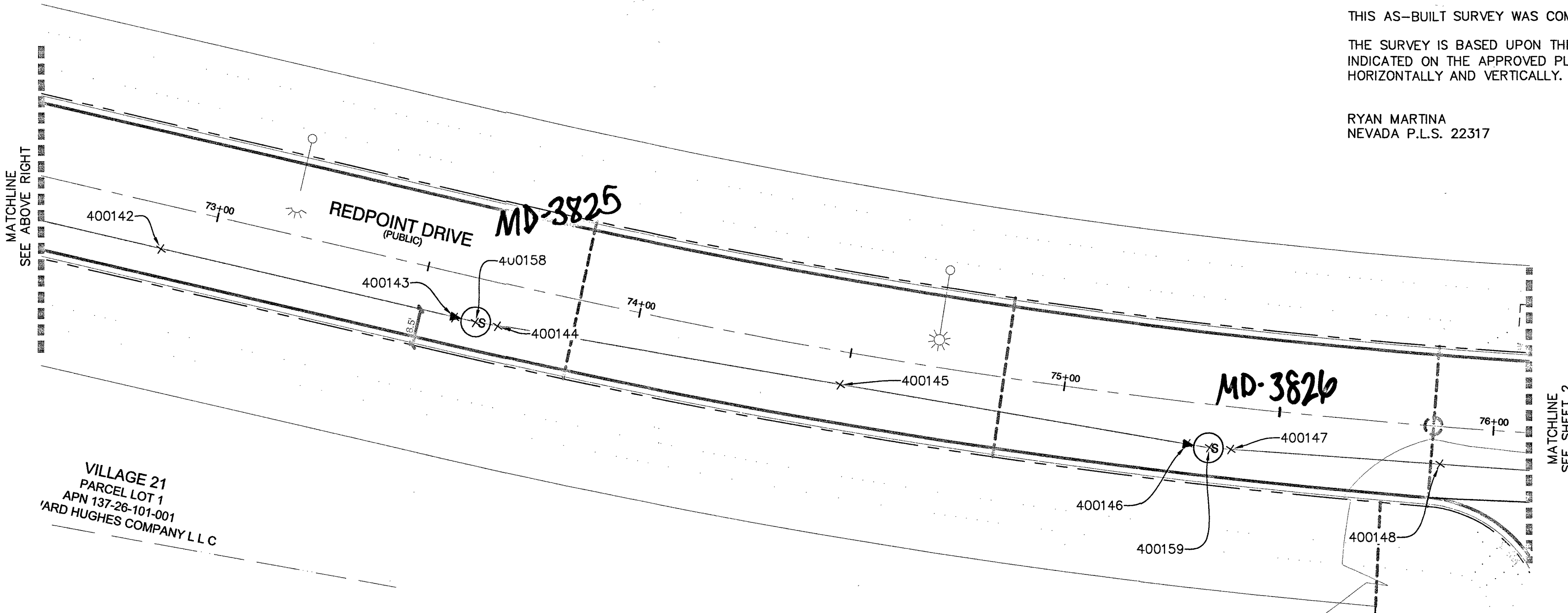
CLV BM# 5LV0926W6 (2008 CLV ADJUSTMENT)
RIVET & PLATE IN TOP OF CURB AT SE CORNER OF CARRIAGE HILL & FAR HILLS.
NAVD88 ELEVATION:
3229.29 US SURVEY FEET
984.29 METERS

NOTES

ELECTRONIC FILE TITLED "REDPOINT-SEWER.CSV" DIRECTLY REFLECTS THE POINTS SHOWN ON THIS MAP.

LEGEND

- PREVIOUSLY EXISTING SANITARY SEWER
- NEW SANITARY SEWER LINE
- RIGHT OF WAY
- CENTERLINE SANITARY SEWER MANHOLE BARREL
- TOP OF SANITARY SEWER PIPE
- POINT OF CONNECTION



VILLAGE 21
PARCEL LOT 1
APN 137-26-101-001
WARD HUGHES COMPANY L.L.C.

SUMMERLIN WEST VILLAGE 21
REDPOINT DRIVE
DESERT FOOTHILLS TO CARRIAGE HILL
PROJ# 118-01666
CLV# 107V7425

DATE	
DESCRIPTION	
REV. NO.	

SCALE (H):	20
SCALE (V):	N/A
DRAWN BY:	BM/VMH
CHECKED BY:	RM
SEC. 28	T. 20 S., R. 59 E.

DATE:

JEMISON SURVEYING & SERVICES
2850 CRIMSON CANYON DRIVE
LAS VEGAS, NEVADA 89128
702-360-4838 F. 702-360-4839

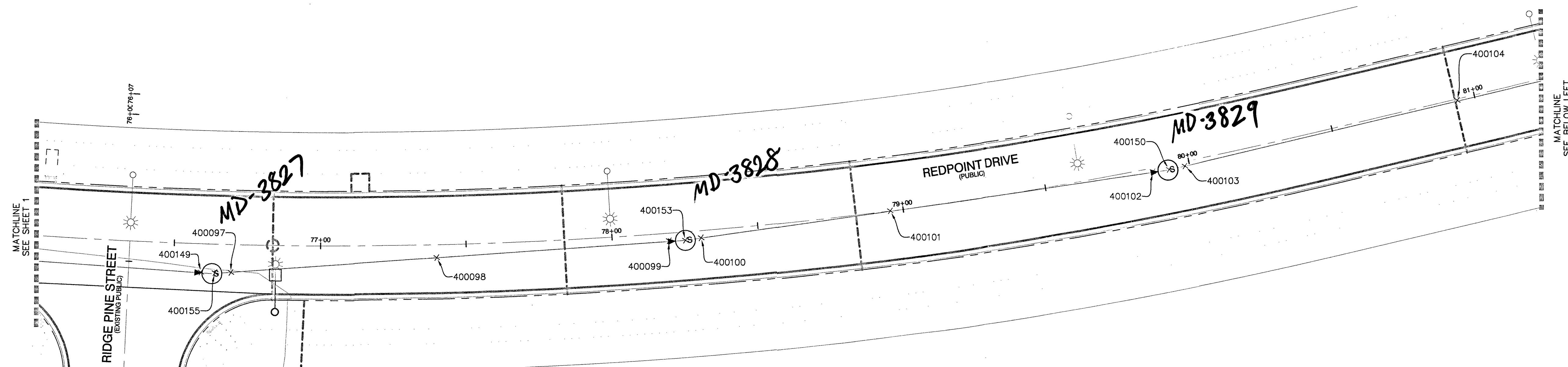
JOB TITLE
SANITARY SEWER FINAL LOCATION
MAP-SUMMERLIN WEST VILLAGE 21
REDPOINT DRIVE
CITY OF LAS VEGAS
NV

DATE	10/31/19
JOB NO.	137-190125
SHEET	1 OF 2

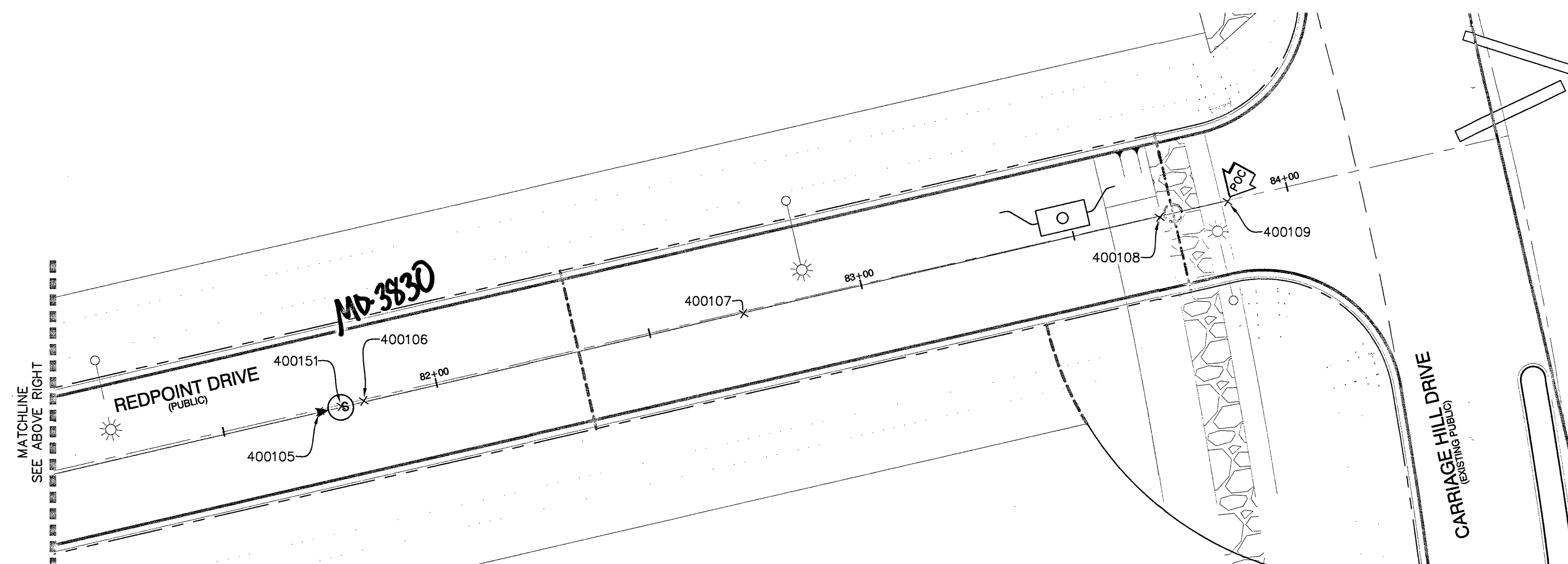
GRAPHIC SCALE



(IN FEET)
1 inch = 20 ft.



_____ PREVIOUSLY EXISTING SANITARY SEWER
 _____ NEW SANITARY SEWER LINE
 _____ RIGHT OF WAY
 CL-MHB CENTERLINE SANITARY SEWER MANHOLE BARREL
 TOP SS TOP OF SANITARY SEWER PIPE
 POC POINT OF CONNECTION



SUMMERLIN WEST VILLAGE 21
REDPOINT DRIVE
DESERT FOOTHILLS TO CARRIAGE HILL
PROJ# L18-01666
CLV# 107V7425

[illegible]

SCALE (H):	20
SCALE (V):	N/A
DRAWN BY:	BM/ VMH
CHECKED BY:	RM
SEC. 26 , T. 20 S., R. 59 E.	

JEMISON SURVEYING & SERVICES
2690 CRIMSON CANYON DRIVE
LAS VEGAS, NEVADA, 89128
702-360-4838 f. 702-360-4839

JOB TITLE
SANITARY SEWER FINAL LOCATION
MAP- SUMMERLIN WEST VILLAGE 21
REDPOINT DRIVE
CITY OF LAS VEGAS **NV**

SHEET 2 OF 2