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: Elkhorn & Grand Canyon **UNIT:** ___ **PHASE:** ___

PROJECT LOCATION: Elkhorn & Grand Canyon in Las Vegas, NV

CLV PLAN #: L17-00900 **CLV PROJECT #** 125847 **SHEET NO. (S):** 8-12 of 13

 # OF MANHOLES 4 **PUB. SEWER/STORM DRAIN LIN. FT.** 42 **# OF PRIVATE LATERALS** ___

DEVELOPER: Touchstone Living **PHONE:** 702-929-3131 **FAX:** 702-

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

CONTRACTOR: Western States Contracting **PHONE:** 702-644-1117 **FAX:** 702-851-6633

CONTRACTOR'S SUPERVISOR NAME: Jared Adams **MOBILE:** 702-204-9825

DATE OF REQUEST: October 24, 2018

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: ___ **NOT ACCEPTABLE BY CITY SURVEYOR DATE** ___

CLV SURVEYOR'S SIGNATURE: ___ **DATE:** 12-17-18

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

Notes: ___

RECEIVED
OCT 24 2018
CITY OF LAS VEGAS
SURVEY

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
STORM DRAIN
FINAL LOCATION MAP

JOB NUMBER L17-00900 SD2
PROJECT NAME ELKHORN AND GRAND CANYON
WORK AUTH. NO. P28000
SUBMITTED BY TRI-CORE (GREGORY D SPINKELINK)
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE 12/13/18
REVIEWED BY D. SANTANA

REVIEW DETERMINATION

☒ Approved

☐ Not Acceptable

TO BE RE-SUBMITTED

☐ Two bond copies (no mylar)

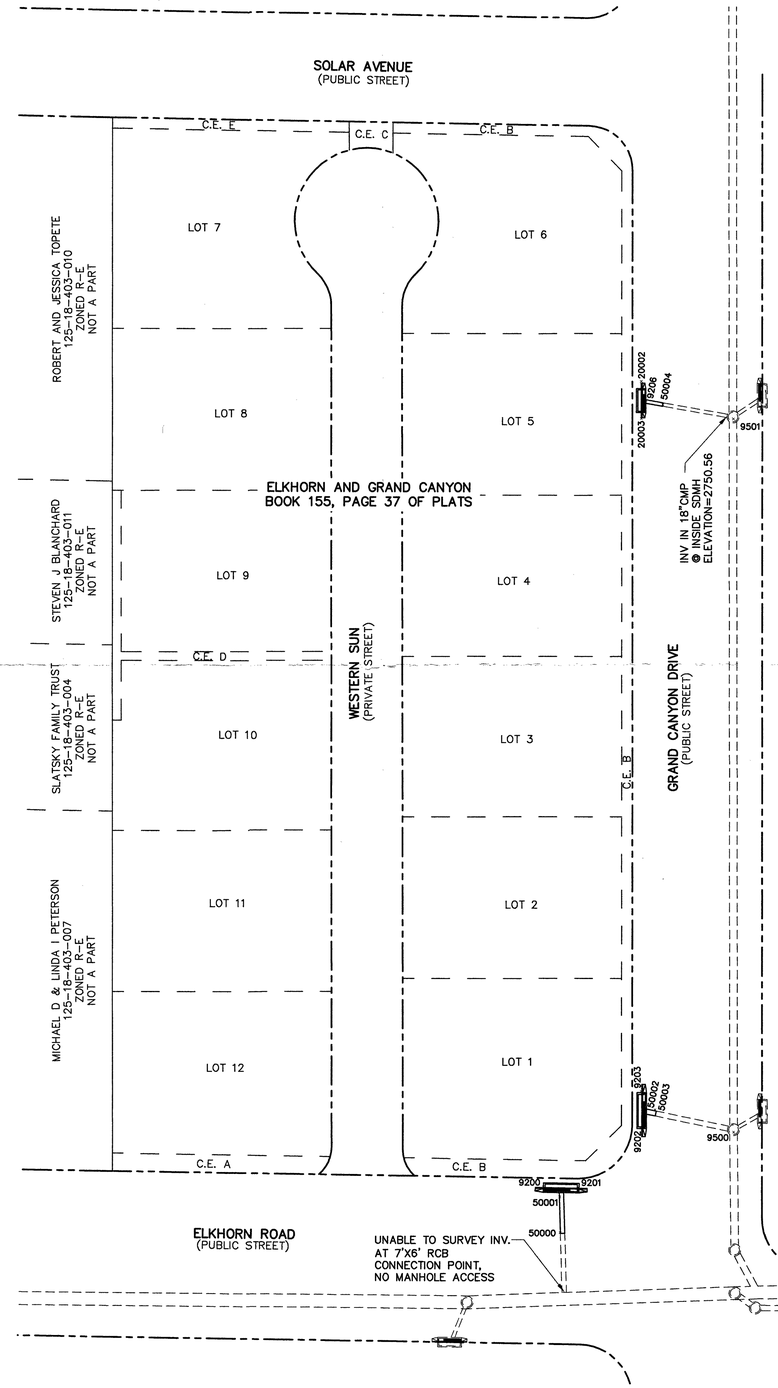
☐ Electronic media with comma-separated coordinate file

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 ("Storm Drain 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 – STORM DRAIN FINAL LOCATION MAP

REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
Storm Drain Improvements Data				
***NOTE** As of December 1, 2015 **manhole cover locations are no longer required**.				
Manhole Barrel/Base: (measured horizontally at centerline of barrel/base structure, vertical location does not apply)	☐	☐	☐	
Drop Inlets (measured horizontally at back of curb at each outer extent of box, vertically at top of curb)	☐	☐	☐	
Vaults and Junction Structures (measured horizontally at all outer extents of structure, vertically at top of structure)	☐	☐	☐	
Pipes and RCB's: locate at all connections to other pipes and structures, all horizontal and vertical deflections, points of termination (stubs), point at which pipe/RCB exits the public right-of-way or easement (measured horizontally at centerline of pipe/RCB, vertically at top of pipe/RCB)	☑	☐	☐	
***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



POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
9200	26808064.17	737840.60	2760.35	TBC @ DI
9201	26808063.97	737860.09	2759.62	TBC @ DI
9202	26808097.07	737895.21	2759.73	TBC @ DI
9203	26808117.69	737895.22	2759.81	TBC @ DI
9206	26808503.28	737897.00	2754.99	TOP 18" CMP OUT
9500	26808095.09	737946.98	2747.82	INV @ SSMH CL BARREL
9501	26808493.27	737945.93	2749.89	INV @ SSMH CL BARREL
20002	26808513.96	737894.34	2761.56	TBC @ DI
20003	26808493.21	737894.36	2761.54	TBC @ DI
50000	26808038.58	737850.07	2753.04	TOP 24" RCP @ CONNECTION
50001	26808058.54	737849.78	2754.94	TOP 24" RCP OUT
50002	26808109.40	737897.04	2753.08	INV 29"X45" HERCP OUT
50003	26808107.34	737903.02	2752.21	INV 29"X45" HERCP @ CONNECTION
50004	26808501.14	737906.41	2752.98	INV 18" CMP @ CONNECTION

NORTH

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

LEGEND

	EXISTING RIGHT OF WAY
	ASSESSORS PARCEL LINE / LOT LINE
	STORM DRAIN PIPE
	EXISITING STORM DRAIN PIPE
9	LOT NUMBER
5100	AS-BUILT POINT NUMBER
	EXISTING STORM DRAIN MANHOLE
	EXISTING STORM DRAIN DROP INLET
	STORM DRAIN DROP INLET
RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE
HERCP	HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE

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: 6LV90 18S4

RIVET AND PLATE IN TOP OF CURB, NORTHEAST CORNER OF GRAND CANYON DRIVE AND ELKHORN AVENUE.

ELEVATION: 2756.91 (U.S. SURVEY FEET)
815.556 (METERS)

BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88), CITY OF LAS VEGAS 2008 ADJUSTMENT

NOTES

1. THE PURPOSE OF THIS SURVEY IS TO PROVIDE AS-BUILT INFORMATION FOR THE STORM DRAIN FACILITIES SHOWN ON THE IMPROVEMENT PLANS FOR "ELKHORN AND GRAND CANYON", AS SHOWN IN BOOK 155, PAGE 37 OF PLATS, SITUATE IN THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 18, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AND THE SURVEY WAS COMPLETED ON SEPTEMBER 7, 2018.

   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.

CLV PROJECT #L17-00900
DRAWING #107Y5071
FMP - 71762

NO.	DESCRIPTION	DATE	APP'D

DATE : 11/29/2018
PM : GS
DRAWN BY : AA
DESIGNED BY :
CHECKED BY :
ADA CHECKED :
JOB NO. : 31018.0001
SCALE : 1" = 40'

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) 821-4564 FAX (702) 870-4378

TOUCHSTONE LIVING
ELKHORN & GRAND CANYON
STORM DRAIN FINAL LOCATION MAP

PROFESSIONAL LAND SURVEYOR
GREGORY D. SPINKELINK
No. 14419
STATE OF NEVADA
11-29-18

SHEET
1
OF 1

P:\31017.0001_Elkhorn_Grand Canyon\Construction\Asbuilts\STORM DRAIN ASBUILT CLV\ELKHORN&GRAND CANYON SD ASBUILT.dwg aacosta Thu, 29 Nov 2018 - 6:21am