

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: James T. Stovall, PLS
Taney Engineering

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

Date: August 30, 2016

Re: Sanitary Sewer Final Location Map
HORSE AND COKE
(Drawing No. 107Y5018, L-Civil No. 55549)

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:

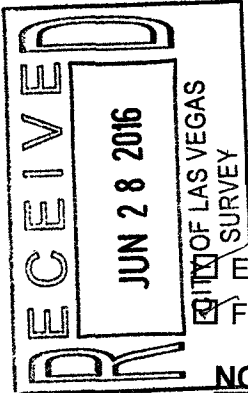
Acceptable: August 30, 2016


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: Horse and Coke UNIT: PHASE:

PROJECT LOCATION: Horse and Coke

CLV PLAN #: 55549 CLV PROJECT # 107Y5018 SHEET NO. (S): 2

OF MANHOLES 20 PUB. SEWER/STORM DRAIN LIN. FT. # OF PRIVATE LATERALS

DEVELOPER: William Lyon Homes, Inc. PHONE: 702-263-8200 FAX:

SURVEY CO.: Taney Engineering PHONE: 702-362-8844 FAX: 702-362-5233

CONTRACTOR: Reliant Construction PHONE: 702-595-5525 FAX:

CONTRACTOR'S SUPERVISOR NAME: Mike Zetz MOBILE: 702-595-5525

DATE OF REQUEST: 6/27/16

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: 8/30/16 NOT ACCEPTABLE BY CITY SURVEYOR DATE

CLV SURVEYOR'S SIGNATURE: *Alan R. Miller* DATE: 8/30/16

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 H55549 SS2
 PROJECT NAME HORSE AND COKE
 WORK AUTH. NO. P28000
 SUBMITTED BY Taney Engineering
 PROJECT TYPE CIP Land Dev Street Rehab
 DATE 8/29/16
 REVIEWED BY O. SANCHEZ

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)	<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"/>	
General Map Contents				
Sheet size 24" x 36"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sheet number and number of sheets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
North arrow (pointing up, left or right)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Scale (written & graphic, correctly shown, appropriate scale used)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lettering legibility (minimum text size 0.08")	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Map title shown ("Sanitary Sewer Final Location Map")	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV project name shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV Hansen No. shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV Drawing No. shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Preparer's company name and contact information shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Legend (all linetypes and symbols defined)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Non-standard abbreviations defined	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Distances, coordinates and elevations labeled using decimal feet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Approximate limits of streets shown (improvements or right-of-way)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Street names labeled (identified as public or private)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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)	<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"/>	
*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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coordinate system indicated (only CLV approved coordinate systems are to be used)	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Benchmark ID, description, elevation indicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Statement of positional accuracy per the tolerances indicated below	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
*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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

ADDITIONAL COMMENTS

LEGAL DESCRIPTION

HORSE AND COKE AS SHOWN IN THE OFFICE OF THE CLARK COUNTY, NEVADA, RECORDER IN BOOK 149 PAGE 65 OF PLATS, LYING WITHIN THE EAST HALF (E 1/2) OF SECTION 9, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA

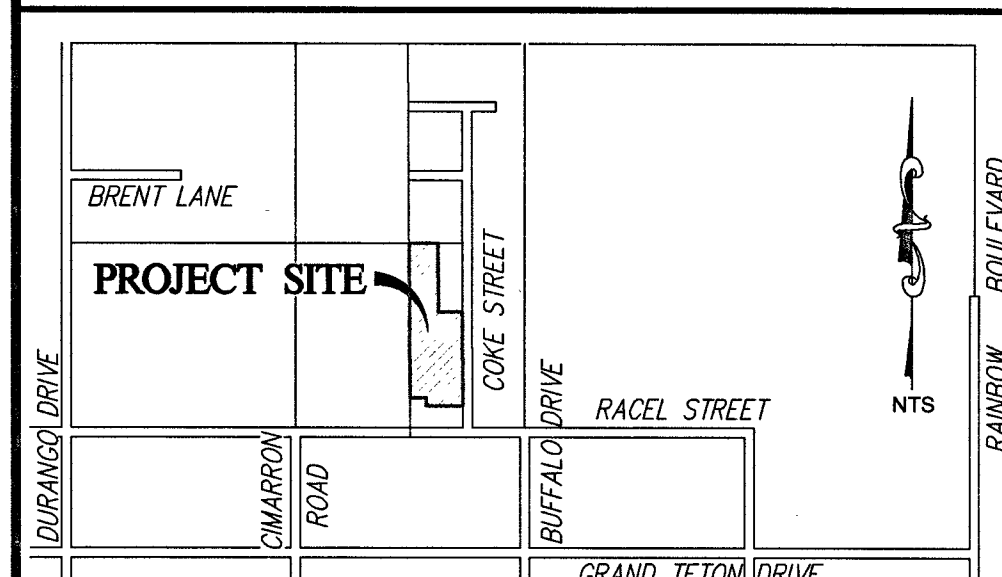
BASIS OF BEARINGS

THE BASIS OF BEARINGS IS GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 115°35' WEST OF THE GREENWICH MERIDIAN.

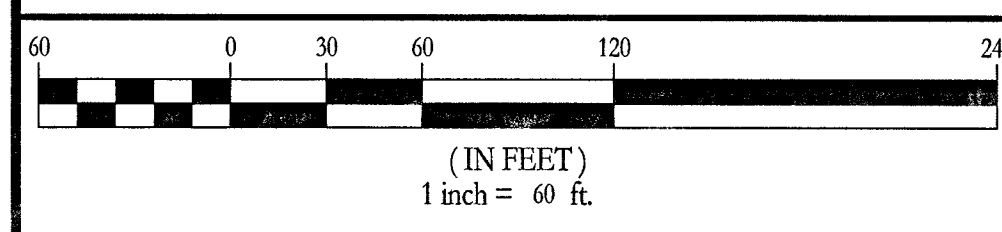
BENCHMARK

CITY OF LAS VEGAS BENCHMARK 6LV909E4, RIVET AND ROUND PLATE IN TOP CURB EAST SIDE OF COKE STREET 35'± NORTHEAST OF THE P.I. OF COKE STREET AND HORSE DRIVE. ELEVATION = 742.897 METERS OR 2437.32 FEET (NAVD 88 DATUM) 2008 CLV ADJUSTMENT

KEY MAP



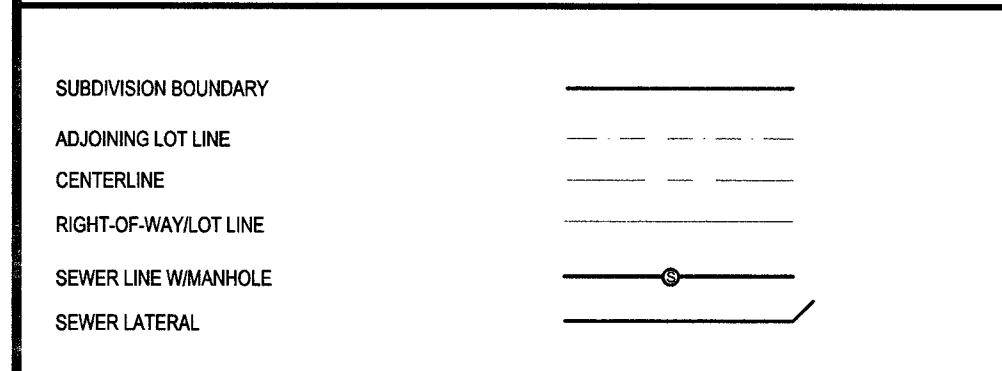
SCALE



ABBREVIATIONS

AC ASPHALTIC CONCRETE	N NORTH
BC BACK OF CURB	NTS NOT TO SCALE
BCR BACK OF CURB RADIUS	OC ON CENTER
BM BENCHMARK	D.R. DEPT. RECORDS OF CLARK COUNTY
BVC BEGIN VERTICAL CURVE	PB PULL BOX
CATV CABLE TELEVISION	PC POINT OF CURVE
CC CLARK COUNTY	PCC POINT OF COMPOUND CURVE
CL CENTERLINE	PI POINT OF INTERSECTION
CLV CITY OF LAS VEGAS	PL PROPERTY LINE
CLV CITY OF NORTH LAS VEGAS	PLT PLATE
CO CLEAN OUT SEWER	POC POINT OF CONNECTION
COH CITY OF HENDERSON	PP POWER POLE
CY CUBIC YARD	PRC POINT OF REVERSE CURVE
DCSNCS DESIGN AND CONSTRUCTION STANDARDS OF	PT POINT OF TANGENCY
WASTE WATER COLLECTION SYSTEMS	PVC POLYVINYL CHLORIDE
DG DESIGN GRADE	R RADIUS
DI DROP INLET	ROB REINFORCED CONCRETE BOX
DIP DUCTILE IRON PIPE	RCP REINFORCED CONCRETE PIPE
E EAST	RW RIGHT-OF-WAY
EL ELEVATION	RT RIGHT
EC END OF CURVE	SD STORM DRAIN
EP EDGE OF PAVEMENT	STLT STREETLIGHT
EVC END VERTICAL CURVE	SNWA SOUTHERN NEVADA WATER AUTHORITY
EX EXISTING	SS SANITARY SEWER
FF FINISH FLOOR ELEVATION	STD STANDARD
FG FINISH GRADE	SVZ SIGHT VISIBILITY ZONE
FI FIRE HYDRANT	SN SIDEWALK
FL FLOW LINE	TC TOP OF CURB
FB FEE	TF TOP OF FOOTING
GB GRADE BREAK	TR TOP OF RETAINING
GFF GARAGE FINISH FLOOR	TW TOP OF WALL
HP HIGH POINT	TYP TYPICAL
INV INVERT	UDMS UNIFORM DESIGN AND CONSTRUCTION STANDARDS
LAT SEWER LATERAL	USD UNIFORM STANDARD DRAWING
LF LINEAR FEET	VCC VERTICAL CURVE
LT LEFT	VCP VITRIFIED CLAY PIPE
LVVWD LAS VEGAS VALLEY WATER DISTRICT	VG VALLEY GUTTER
MAX MAXIMUM	W WATER
MH MANHOLE	ZC ZERO LIP CURB
MIN MINIMUM	

LEGEND



UnderGround
Call before you dig
1-702-455-6000
CLARK COUNTY TRAFFIC OPERATIONS
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

FAST
Call before you dig
Underground
1-702-432-5300
FREIGHTWAY & AIRBORNE SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD
Call Before You Dig
1-800-227-2929

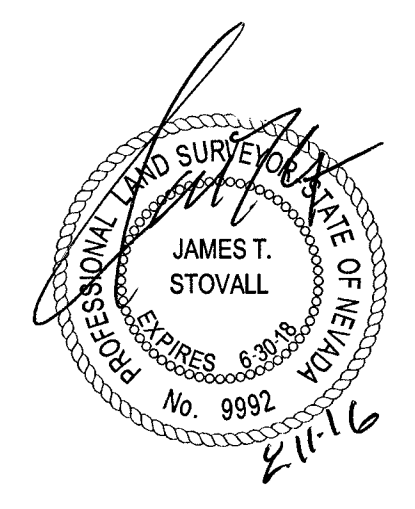
CALL BEFORE YOU DO UNDERGROUND
Call Before You Dig
1-800-227-2600
CLARK COUNTY TRAFFIC OPERATIONS
1-800-455-6000

SURVEYOR'S CERTIFICATE

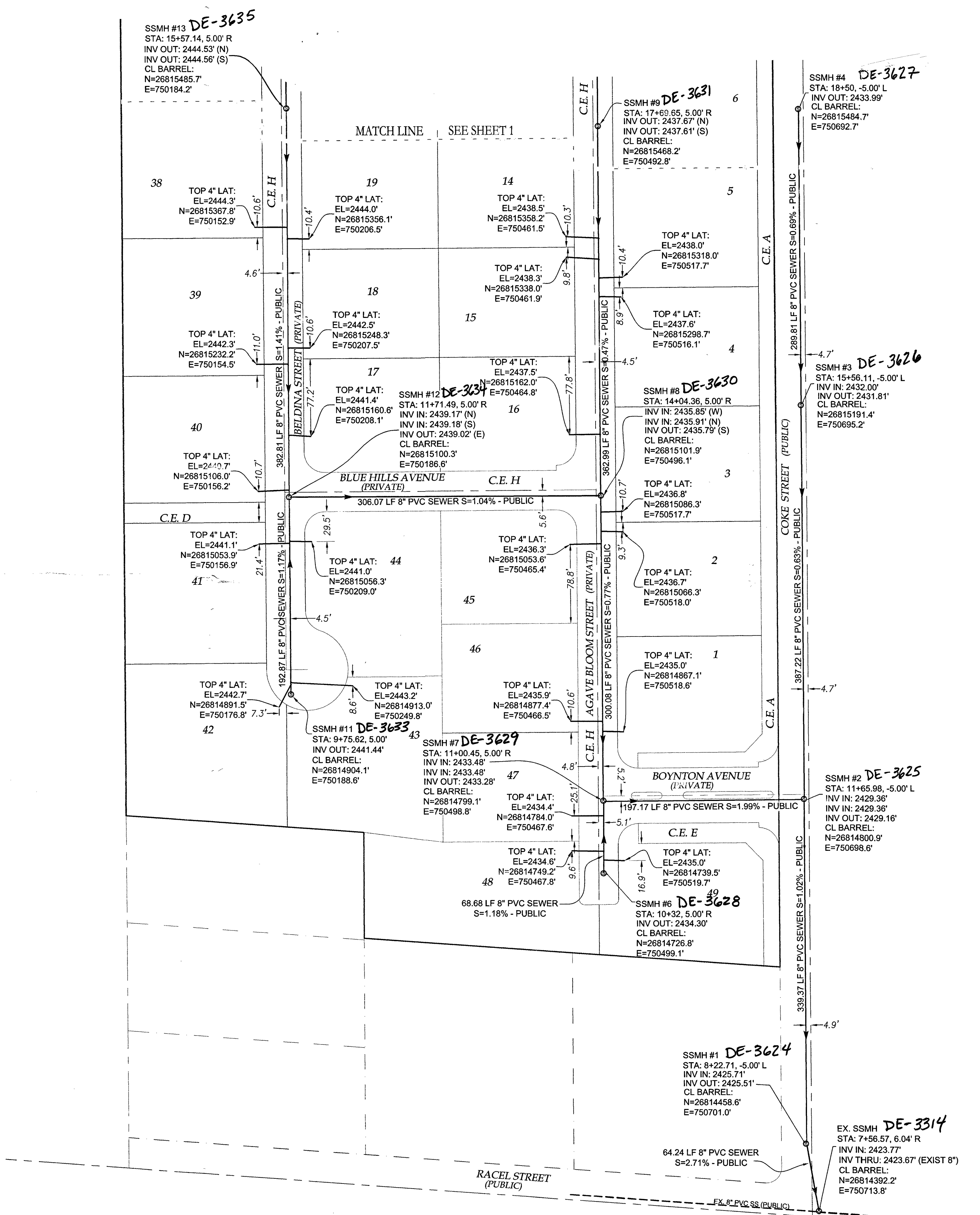
I, JAMES T. STOVALL, A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF NEVADA AS AGENT FOR TANEY ENGINEERING, INC., DO HEREBY CERTIFY THAT:

- THIS PLAT REPRESENTS THE RESULTS OF A SURVEY CONDUCTED UNDER MY DIRECT SUPERVISION AT THE INSTANCE OF WILLIAM LYON HOMES.
- THE LANDS SURVEYED LIE WITHIN THE EAST HALF (E 1/2) OF SECTION 9, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA. THE SURVEY WAS COMPLETED ON AUGUST 10, 2016.
- THIS MAP UTILIZES THE NEVADA COORDINATE SYSTEM, EAST ZONE (2701) - NAD 83 (2011) EPOCH 2010.0
- THE POSITIONAL CERTAINTY OF THIS SURVEY IS +/-0.3' BOTH VERTICALLY AND HORIZONTALLY.

JAMES T. STOVALL
PROFESSIONAL LAND SURVEYOR
NEVADA CERTIFICATE NO. 9992



SANITARY SEWER FINAL LOCATION MAP
HORSE AND COKE



NOTES:
SEE PROVIDED ELECTRONIC POINT FILE NAMED "H55549 SEWER FINAL LOCATION MAP OF HORSE AND COKE" FOR COORDINATES OF SERVICE LATERAL CONNECTIONS TO SEWER MAIN LINE NOT SHOWN ON THIS MAP.

	REVISIONS NO. DESCRIPTION BY DATE APPR.
WILLIAM LYON HOMES 500 BLOTT ROAD, SUITE G LAS VEGAS, NV 89115 (702) 263-8200 FAX: (702) 263-8220	TANEY ENGINEERING 6050 S. JONES BLVD STE# 100 LAS VEGAS, NV 89118 (702) 362-8844 FAX: (702) 362-5233
HORSE AND COKE A COMMON INTEREST COMMUNITY	SANITARY SEWER FINAL LOCATION MAP
ENGINEER'S SEAL	
DATE: 6-22-16	
SCALE: 1"=60'	
JOB NO: WLL-07-054	
DRAWN BY: EO	
CHECKED BY: JTS	
SHEET NAME: UT	
SHEET: 2 OF 2	
CLV DRAWING # 107Y5018 CLV HANSEN # 55549	