

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

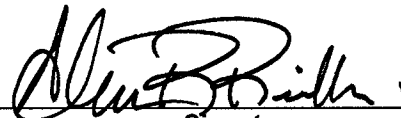
Tim Parks, P.E., Engineering Project Manager
Sanitary Sewers Section, Engineering Planning

Date: November 7, 2017

Re: Sanitary Sewer Final Location Map
ALEXANDER & DURANGO
(Drawing No. 107Y5038, L-Civil No. 57982)

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:

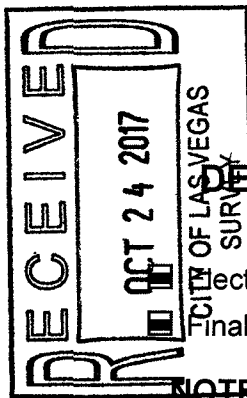
Acceptable: November 7, 2017


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: Alexander & Durango UNIT: PHASE:

PROJECT LOCATION: Alexander & Durnago

CLV PLAN #: 107Y5038 CLV PROJECT # 57982 SHEET NO. (S): 1

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

DEVELOPER: THM Enterprises, Inc.

PHONE: 702-929-3131

FAX:

SURVEY CO.: Taney Engineering

PHONE: 702-362-8844

FAX: 702-362-5233

CONTRACTOR: PHONE: FAX:

CONTRACTOR'S SUPERVISOR NAME: MOBILE:

DATE OF REQUEST: 10-23-17

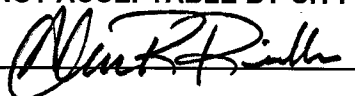
**SUBMIT DIRECTLY TO THE OFFICE OF THE CITY
SURVEYOR LOCATED ON THE 8th FLOOR OF THE
DSC / 333 N Rancho, 89106**

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: 11/7/17 NOT ACCEPTABLE BY CITY SURVEYOR DATE

CLV SURVEYOR'S SIGNATURE:  DATE: 11/7/17

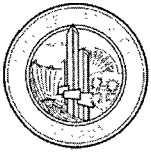
THE CITY OF LAS VEGAS RECOMMENDS THAT ALL DEFICIENCIES NOTED ON THE ATTACHED SURVEY REPORT BE CORRECTED PRIOR TO THE FINAL ACCEPTANCE.

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 H57982 SS1
PROJECT NAME ALEXANDER & DURANGO
WORK AUTH. NO. P28000
SUBMITTED BY Taney Engineering (James T. Stovall)
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE W/7/17
REVIEWED BY D. S. [Signature]

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

ALEXANDER & DURANGO AS SHOWN IN BOOK 152 PAGE 17 OF PLATS, CLARK COUNTY, NEVADA, OFFICIAL RECORDS, LYING WITHIN THE EAST HALF (E 1/2) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 5, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

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.

CITY OF LAS VEGAS BENCHMARK 0LV005SES, RIVET AND PLATE IN TOP OF CURB AT THE NORTHWEST CORNER OF ALEXANDER AND DURANGO.

ELEV= 732.406 METERS OR 2402.90 FEET (NAVD88) 2008 CLV
ADJUSTMENT

The map shows a grid of streets. The Project Site is located at the intersection of Julian Road and Alexander Road, and is shaded with diagonal lines. The map also shows the intersection of Fort Apache Road and Captain Way, and the intersection of Helena Avenue and Hickam Avenue. A north arrow is located in the upper right corner of the map.

(IN FEET)
1 inch = 40 ft.

AC	ASPHALTIC CONCRETE	N	NORTH
AB	BACK OF CURB	NTS	NOT TO SCALE
BC	BACK OF CURB RADIIUS	ON	ON CENTER
BVC	BEFORE VERTICAL CURVE	OR	OFF
BM	BENCHMARK	P	PI
CA	CALCULATED	PC	POINT OF CURVE
CLV	CLARK COUNTY	PCC	POINT OF COMPOUND CURVE
CL	CENTERLINE	P	POINT OF INTERSECTION
CLV	CITY OF LAS VEGAS	PL	PROPERTY LINE
ONLY	CITY OF NORTH LAS VEGAS	PLT	PLATE
CO	CLEAN OUT, SEWER	PCP	POINT OF CONNECTION
CI	CITY OF HENDERSON	PP	POWER POLE
CYC	CUBIC YARD	PVC	POINT OF REVERSE CURVE
CS	CONCRETE	P	POINT OF TANGENCY
DC	DESIGNING DEPARTMENT	PLN	POLYVINYL CHLORIDE
DCS	WASTE WATER COLLECTION SYSTEMS	R	RIGHT-OF-WAY
DE	DESIGN GRADE	RCB	REINFORCED CONCRETE BOX
DI	DROP INLET	RCR	REINFORCED CONCRETE PIPE
DU	DUCTILE IRON PIPE	R	RIGHT-OF-WAY
E	EAST	RW	RIGHT-OF-WAY
EL	ELEVATION	SD	STORM DRAIN
EC	END OF CURVE	SILT	STREETLIGHT
EP	EDGE OF PAVEMENT	SNWA	SOUTHERN NEVADA WATER AUTHORITY
EVC	END VERTICAL CURVE	SS	SEWERY SEWER
EX	EXISTING	STA	STATION
FF	FINISH FLOOR ELEVATION	STD	STANDARD
FI	FINISH GRADE	SVZ	SIGHT VISIBILITY ZONE
FL	FIRE HYDRANT	SW	SIDEWALK
FL	FLOW LINE	TC	TOP OF CURB
FT	FEET	TF	TOP OF FOOTING
GB	GRADE BREAK	TR	TOP OF RETAINING
GV	GARAGE FINISH FLOOR	TP	TOP OF WALL
INT	INTERSECTION	TP	TYPICAL
INV	INVERT	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
LAT	LONGITUDINAL	USD	UNIFORM STANDARD DRAWING
LF	LINE FEET	VC	VERTICAL CURVE
LI	LEFT	VCB	VERTICAL CURVE BOX
LV	LAS VEGAS VALLEY WATER DISTRICT	VG	VALLEY GUTTER
MAX	MAXIMUM	W	WATER
MH	MANHOLE	WZ	ZERO IN CURB
MN	MINIMUM		

SUBDIVISION BOUNDARY

ADJOINING LOT LINE

CENTERLINE

RIGHT-OF-WAY/LOT LINE

SEWER LINE W/MANHOLE

SEWER LATERAL



FAST
Call before you
Underground
1-702-432-5300
FREEWAY & ARTERIAL
SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD
POWER LINES. IT'S COSTLY

**CALL BEFORE
YOU DO
OVERHEAD**

1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND
UTILITY LINES. IT'S COSTLY.

CALL
811

OR
1-800-227-2600
AND
CLARK COUNTY TRAFFIC OPERATIONS
1-800-455-6000

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

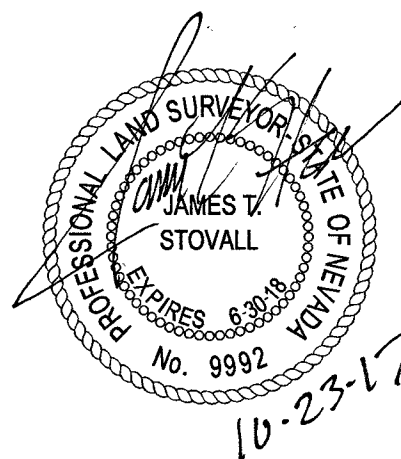
1. THIS PLAT REPRESENTS THE RESULTS OF A SURVEY CONDUCTED UNDER MY DIRECT SUPERVISION AT THE INSTANCE OF THM ENTERPRISES, INC.

2. THE LANDS SURVEYED LIE WITHIN THE EAST HALF (E 1/2) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 5, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.. THE SURVEY WAS COMPLETED ON DECEMBER 29, 2016.

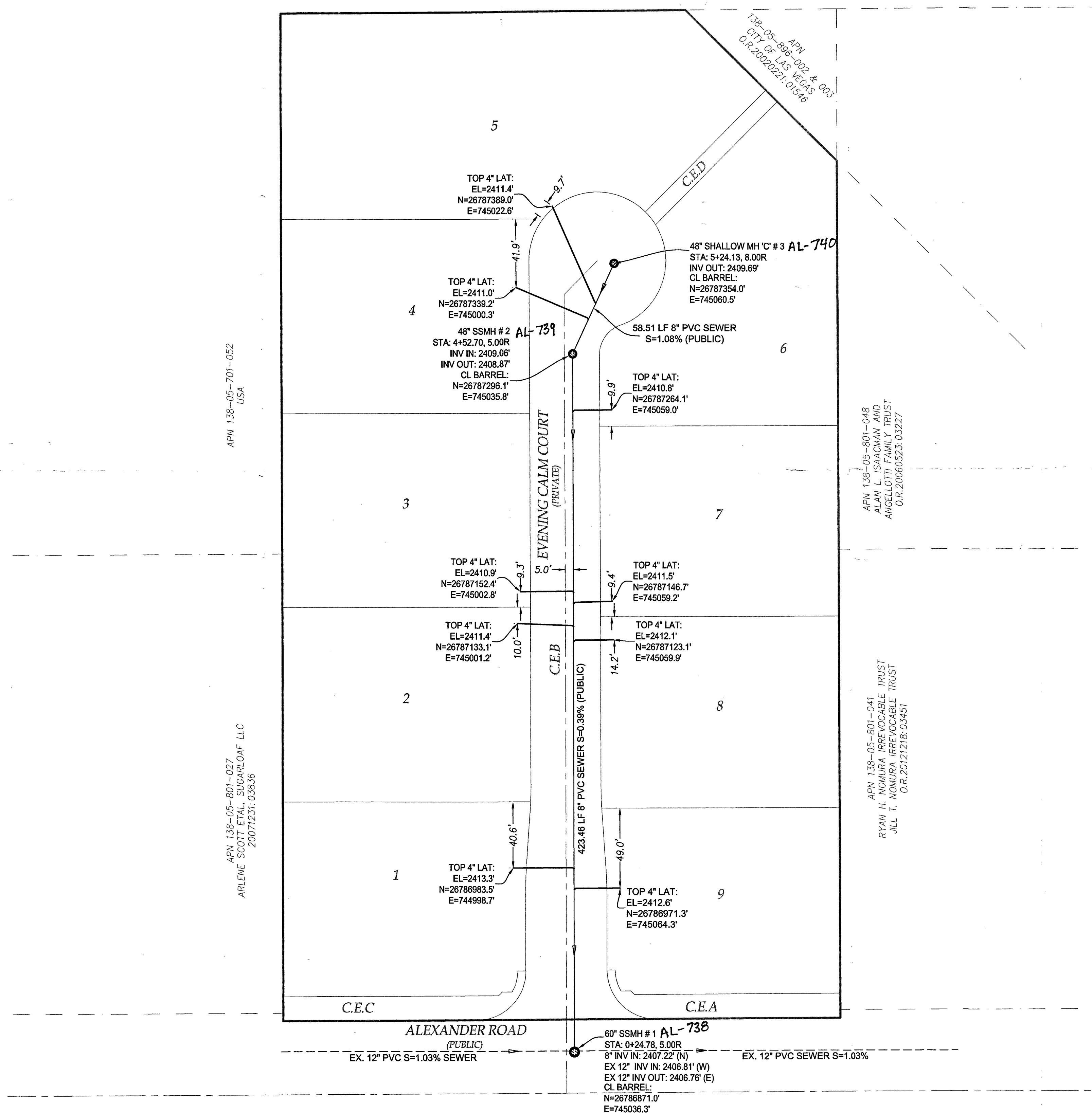
3. THIS MAP UTILIZES THE NEVADA COORDINATE SYSTEM, EAST ZONE (2701) – NAD 83 (2011) EPOCH 2010.0

4. THE POSITIONAL CERTAINTY OF THIS SURVEY IS $\pm 0.3'$ BOTH VERTICALLY AND HORIZONTALLY.

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



NORTH
SCALE: 1"=40'



SEE PROVIDED ELECTRONIC POINT FILE NAMED "H57982 SANITARY SEWER
FINAL LOCATION MAP" FOR COORDINATES OF SERVICE LATERAL
CONNECTIONS TO SEWER MAIN LINE NOT SHOWN ON THIS MAP.

FILE NAME: ALEX & DUR SEWER

[illegible]

ATHM ENTERPRISES, INC.
9205 W. RUSSELL RD. STE 235
LAS VEGAS, NV 89148

FAX: (702) 929-3899



ALEXANDER & DURANGO

A COMMON INTEREST COMMUNITY

SANITARY SEWER FINAL LOCATION MAP

ENGINEER'S SEAL

DATE: 1/3/201

SCALE: 1" = 40'

JOB NO: THM 1300

DRAWN BY: EC

CHECKED BY: IT

SHEET NAME:

01

SHEET: 1 1

1	OF	1
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CLV DRAWING # 107Y503
CLV HANSEN # 57082