

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: September 20, 2016

Re: Sanitary Sewer Final Location Map
SUMMERLIN VILLAGE 23B - PARCEL Z ALLEGRA PHASE 2
(Drawing No. 107Y5026-2, L-Civil No. 58714)

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: September 20, 2016



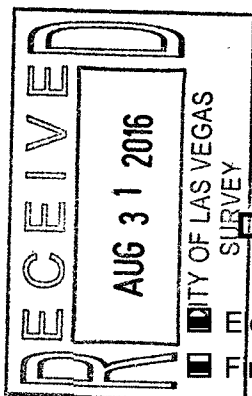
Signature

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: Summerlin Village 23B Parcel Z- Allegra UNIT: PHASE: 2

PROJECT LOCATION: Far Hills Ave and Fox Hill Drive

CLV PLAN #: 107Y5026-2 CLV PROJECT # 58714 SHEET NO. (S): 2

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

DEVELOPER: William Lyon Homes, Inc. PHONE: 702-263-8700 FAX:

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

CONTRACTOR: Western States PHONE: FAX: 702-644-1117

CONTRACTOR'S SUPERVISOR NAME: John Allred MOBILE: 702-204-9847

DATE OF REQUEST: 8/24/16

**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: 9/20/16 NOT ACCEPTABLE BY CITY SURVEYOR DATE

CLV SURVEYOR'S SIGNATURE: *John R. Riddle* DATE: 9/20/16

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 H58714 SS1
PROJECT NAME SUMMERLIN VILLAGE 23B - PARCEL Z ALLEGRA PHASE 2
WORK AUTH. NO. P28000
SUBMITTED BY Taney Engineering
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE 9/20/16
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				
*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

SUMMERLIN VILLAGE 23B - PARCEL Z ALLEGRA - PHASE 2 AS SHOWN IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER IN BOOK 149, PAGE 75 OF PLATS, LYING WITHIN SECTION 27, TOWNSHIP 20 SOUTH, RANGE 59 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 5LV0926W6, RIVET AND ROUND PLATE
IN TOP OF CURB AT SOUTHEAST CORNER OF CARRIAGE HILL DRIVE AND
FAR HILLS ROAD

ELEV. = 3229.29 FEET/984.288 METERS (NAVD88) 2008 CLV ADJUSTMENT

GRAPHIC SCALE

(IN FEET)
1 INCH = 40 FT.

AC	ASPHALTIC CONCRETE	N	NORTH
BC	BACK OF CURB	NTS	NOT TO SCALE
CC	CORNER	OC	ON CENTER
CC	CURB CURVE RADIUS	OR	OFFICIAL RECORDS OF CLARK COUNTY
BVC	BEGIN VERTICAL CURVE	P	PULL BOX
BM	BENCHMARK	P	POINT OF CURVE
PC	POINT OF COMPOUND CURVE	PCC	POINT OF INTERSECTION
CB	CABLE TELEVISION	PI	PROPERTY LINE
CL	CLARK COUNTY	PLT	PLATE
CL	CENTERLINE	POC	POINT OF CONNECTION
CL	CITY OF LAS VEGAS	PP	POWER POLE
CL	CITY OF NORTH LAS VEGAS	PRC	POINT OF REVERSE CURVE
CNH	CLEAR OUT, SEWER	PVC	POINT OF TANGENCY
CO	CITY OF HENDERSON	PVC	POLYVINYL CHLORIDE
CS	CURB YARD	RD	ROAD
CS	CONCRETE AND CONSTRUCTION STANDARDS	RCB	REINFORCED CONCRETE BOX
WC	WATER COLLECTION SYSTEMS	RCB	REINFORCED CONCRETE PIPE
DC	DESIGN GRADE	RD	RIGHT-OF-WAY
D	DITCH	RT	RIGHT
DP	DUCTILE IRON PIPE	SD	STORM DRAIN
E	EAST	STLT	STREETLIGHT
EL	ELEVATION	SNWA	SOUTHERN NEVADA WATER AUTHORITY
EL	END OF CURVE	SS	SANITARY SEWER
EP	EDGE OF PAVEMENT	ST	STATION
EX	EXISTING	STD	STANDARD
EX	EXISTING	SVZ	SIGHT VISIBILITY ZONE
FG	FINISH FLOOR ELEVATION	SW	SIDEWALK
FI	FINISH GRADE	TC	TOP OF CURB
PH	FIRE HYDRANT	TR	TOP OF FOOTING
FL	FLOW LINE	TR	TOP OF RETAINING
FT	FEET	TW	TOP OF WALL
FT	GRADE BREAK	TY	TYPICAL
GA	GARAGE FINISH FLOOR	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
HP	HIGH POINT	USD	UNIFORM STANDARD DRAWING
INW	INVERT	VC	VERTICAL CURVE
INT	INTERSECT	VC	VERTICAL CURVE
LF	LEFT	W	WATER
LF	LINE	WC	WATER
LV	LAS VEGAS VALLEY WATER DISTRICT	WG	WATER
MAX	MAXIMUM	WZ	WATER
M	MANHOLE	WZ	WATER
MIN	MINIMUM	WZ	WATER

SUBDIVISION BOUNDARY

ADJOINING LOT LINE

CENTERLINE

RIGHT-OF-WAY/LOT LINE

SEWER LINE W/MANHOLE

SEWER LATERAL



AVOID HITTING UNDERGROUND
TRAFFIC SIGNAL SYSTEMS
AND STREET LIGHT SYSTEM
CONDUITS. IT'S COSTLY.

Call
before you

UnderGround

1-702-455-6000

CLARK COUNTY TRAFFIC OPERATIONS

1-702-229-6611

LAS VEGAS AREA COMPUTERIZED
TRAFFIC SIGNALS



FAST

Call before you

Underground

1-702-432-5300

FREEWAY & ARTERIAL
SYSTEM OF TRANSPORTATION



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 WILLIAM LYON HOMES.

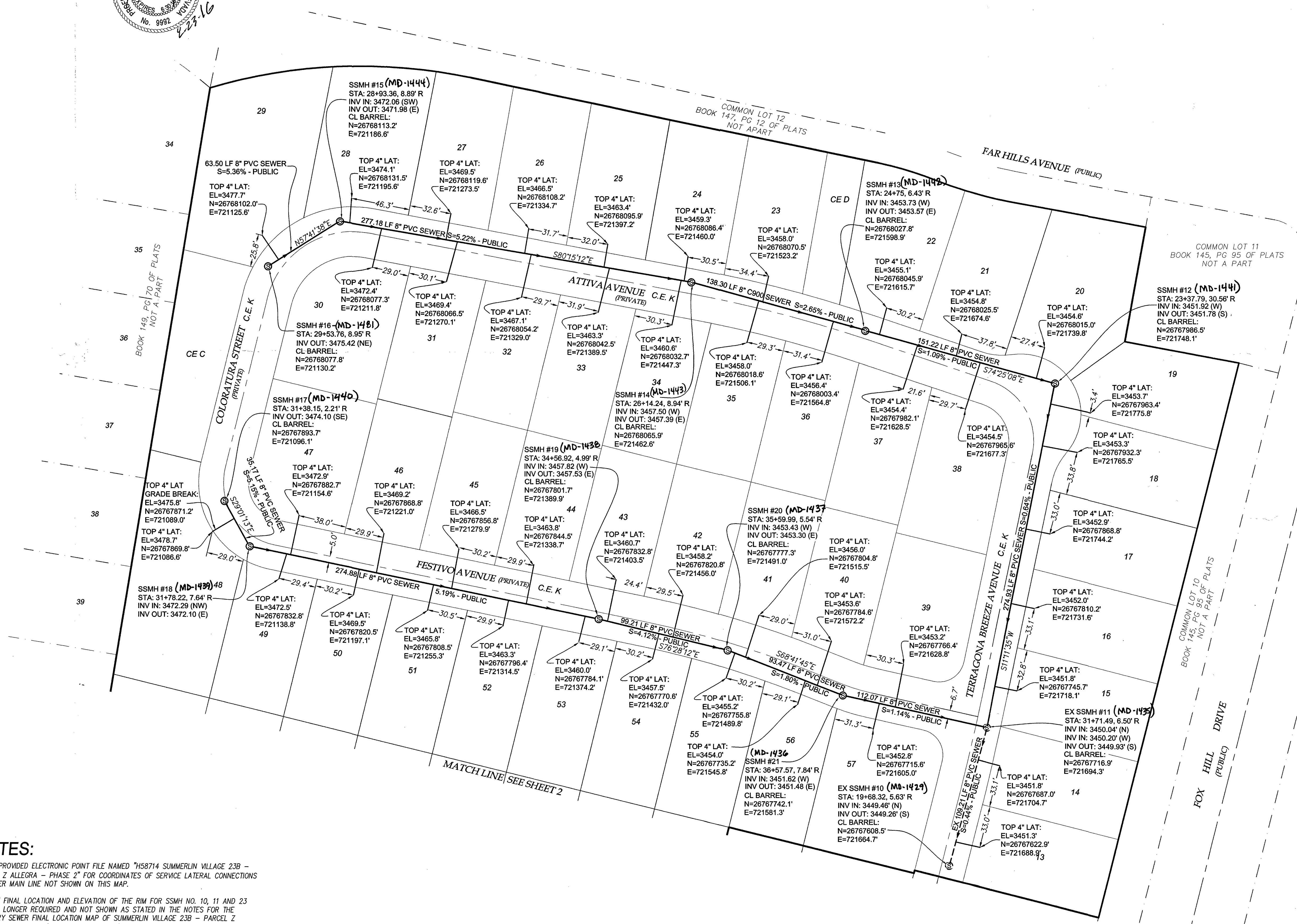
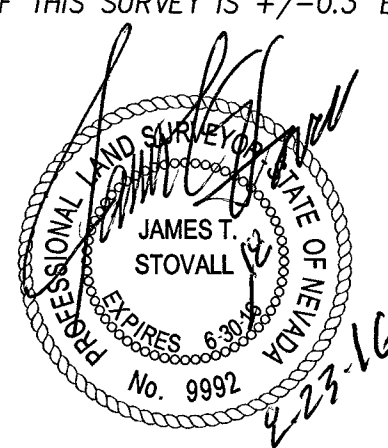
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2. THE LANDS SURVEYED LIE WITHIN SECTION 27, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA. THE SURVEY WAS COMPLETED ON AUGUST 23, 2016.

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



1. SEE PROVIDED ELECTRONIC POINT FILE NAMED "H58714 SUMMERLIN VILLAGE 23B - PARCEL Z ALLEGRA - PHASE 2" FOR COORDINATES OF SERVICE LATERAL CONNECTIONS TO SEWER MAIN LINE NOT SHOWN ON THIS MAP.

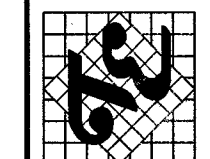
2. THE FINAL LOCATION AND ELEVATION OF THE RIM FOR SSMH NO. 10, 11 AND 23 ARE NO LONGER REQUIRED AND NOT SHOWN AS STATED IN THE NOTES FOR THE SANITARY SEWER FINAL LOCATION MAP OF SUMMERLIN VILLAGE 23B - PARCEL Z ALLEGRA - PHASE 1 (CLV HANSEN #H58517).

SUMMERLIN VILLAGE 23B - PARCEL Z ALLEGRA - PHASE 2

[illegible]

WILLIAM LYON HOMES
500 PILOT ROAD, SUITE G
LAS VEGAS, NV 89118
(702) 263-8200 FAX: (702) 263-8220

TANEY ENGINEERING
6030 S. JONES BOULEVARD
LAS VEGAS, NV 89118
(702) 362-9844 FAX: (702) 362-5233



SUMMERLIN VILLAGE 23B - PARCEL Z
ALLEGRA - PHASE 2
A COMMON INTEREST COMMUNITY

ENGINEER'S SEAL

DATE: 8-22-16

SCALE: 1"= 40'

JOB NO: WLL 14095

DRAWN BY: E0

CHECKED BY: JTS

SHEET NAME: LIT

SHEET:

1 OF 2

CLV DRAWING # 107Y5026-2

CLV HANSEN # - H58714

SUMMERLIN VILLAGE 23B - PARCEL Z ALLEGRA - PHASE 2 AS SHOWN IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER IN BOOK 149, PAGE 75 OF PLATS, LYING WITHIN SECTION 27, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA

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CITY OF LAS VEGAS BENCHMARK 5LV0926W6, RIVET AND ROUND PLATE
IN TOP OF CURB AT SOUTHEAST CORNER OF CARRIAGE HILL DRIVE AND
FAR HILLS ROAD

Map showing the location of the Project Site. The site is a shaded area bounded by Sky Vista Drive to the west, Fox Hill Drive to the south, and Antelope Ridge Drive to the east. Par Hills Avenue runs horizontally above the site. Desert Foothills Drive runs vertically to the east. A north arrow is located in the upper right corner.

GRAPHIC SCALE

(IN FEET)
1 INCH = 40 FT.

AC	ASPHALTIC CONCRETE	N	NORTH
BC	BACK OF CURB	NTS	NOT TO SCALE
BVC	BACK OF CURB RADIUS	OC	ON CENTER
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BVR	BEGIN VERTICAL CURVE	PC	PULL BOX
CATV	CABLE TELEVISION	PC	POINT OF CURVE
CC	CLARK COUNTY	PCP	POINT OF COMPOUND CURVE
CL	CENTERLINE	PI	POINT OF INTERSECTION
CLV	CITY OF LAS VEGAS	PIR	PROPERTY LINE
CNO	CITY OF NORTH LAS VEGAS	PLT	PLATE
CO	CLEAN OUT, SEWER	PLC	POINT OF CONNECTION
COV	CITY OF HENDERSON	PP	POWER POLE
CYC	CYCLIC YARD	PRC	POINT OF REVERSE CURVE
DCSMS	DESIGN AND CONSTRUCTION STANDARDS OF SOUTHERN NEVADA WASTE WATER COLLECTION SYSTEMS	PT	POINT OF TANGENCY
DD	DESIGN	PVC	POLYVINYL CHLORIDE
DG	DESIGNER	R	RADIUS
DI	DUCTILE IRON PIPE	RCB	REINFORCED CONCRETE BOX
E	EAST	RCR	REINFORCED CONCRETE PIPE
EL	ELEVATION	RHW	RIGHT-OF-WAY
EC	END OF CURVE	RD	RIGHT
EP	EDGE OF PAVEMENT	ST	STORM DRAIN
EV	EXISTING	STLT	STREETLIGHT
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FB	GRADE BREAK	TC	TOP OF CURB
GF	GARAGE FINISH FLOOR	TF	TOP OF FOOTING
HV	HIGH POINT	TR	TOP OF RETAINING
INV	INVERT	TV	TOP OF WALL
JAT	JENSEN LATERAL	TYPICAL	TYPICAL
L	LINEAR FEET	UAC3	UNIFORM STANDARD AND CONSTRUCTION STANDARDS
L	LINEAR FEET	USD	UNIFORM STANDARD DRAWING
LWVLD	LAS VEGAS VALLEY WATER DISTRICT	VC	VERTICAL CURVE
MAX	MAXIMUM	VCP	VERTIFIED CALL VERTICAL CURVE
MI	MANHOLE	VL	VALLEY CUTTER
MIN	MINIMUM	W	WATER
		WZ	ZERO LIP CURB

SUBDIVISION BOUNDARY

ADJOINING LOT LINE

CENTERLINE

RIGHT-OF-WAY/LOT LINE

SEWER LINE W/ MANHOLE

SEWER LATERAL

FILE NAME: ASBUILT SEWER-UNIT 2

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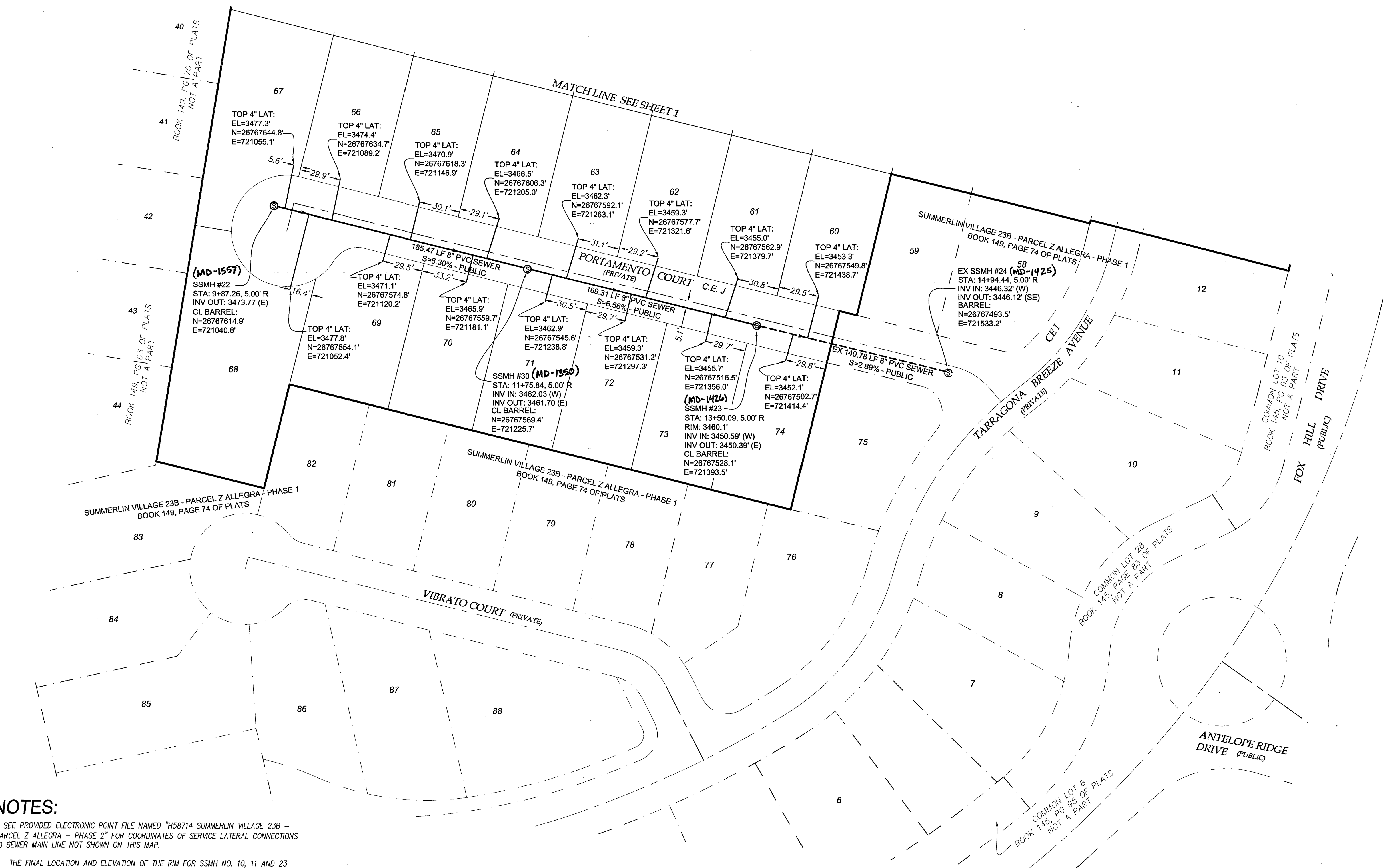
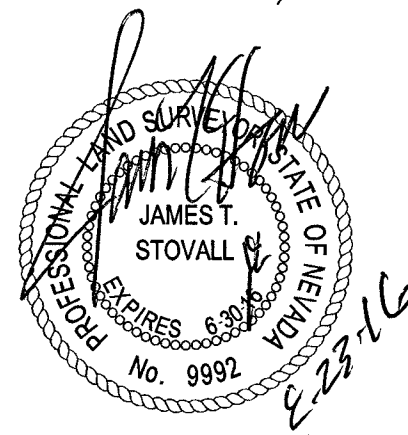
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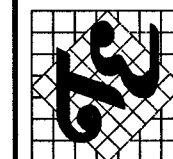
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NORTH
SCALE: 1"=40'

[illegible]

WILLIAM LYON HOMES
500 PILOT ROAD, SUITE G
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ANEY ENGINEERING
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SUMMERLIN VILLAGE 23B - PARCEL Z
ALLEGRA - PHASE 2
A COMMON INTEREST COMMUNITY

SANITARY SEWER FINAL LOCATION MAP

ENGINEER'S SEAL

DATE: 8-22-16

SCALE: 1" = 40'

JOB NO: WLL 14095

DRAWN BY: EO

CHECKED BY: JTS

SHEET NAME: LIT

SHEET: 01

 $2 \text{ OF } 2$

CL V DRAWING # 107Y5026-

CLV HANSEN # - H58714