

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: Steven Dumovich, PLS
Taney Engineering

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

Date: April 22, 2015

Re: Sanitary Sewer Final Location Map
SEWER-BRIGHT ANGEL AND CAMPBELL
(Drawing No. 307V1082, L-Civil No. 51509)

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: 04/22/2015



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) 363-1051

DEVELOPER'S SUBMITTAL OF GPS COORDINATES

☒ Sewer ☐ Storm Drain
☒ Electronic Comma Delineated File
☒ Final Location Map (2)

NOTE: THE TOP PART OF THIS FORM MUST BE FILLED OUT IN ITS ENTIRETY

PROJECT NAME: BRIGHT ANGEL & CAMPBELL UNIT: _____ PHASE: _____
PROJECT LOCATION: BRIGHT ANGEL & CAMPBELL
CLV PLAN #: 30TV1082 CLV PROJECT # S1509 SHEET NO. (S): 7-15
OF MANHOLES 11 PUB. SEWER/STORM DRAIN LIN. FT. 2225 # OF PRIVATE LATERALS 20

DEVELOPER: WILLIAM LYON HOMES PHONE: 263-8200 FAX: 263-8220
SURVEY CO.: TANGL ENGINEERING PHONE: 362-8844 FAX: 362-5233
CONTRACTOR: PACIFIC PIPELINE PHONE: 750-0533 FAX: _____
CONTRACTOR'S SUPERVISOR NAME: ERIC CURTIS MOBILE: 340-6632
DATE OF REQUEST: 3-

THIS SEWER HAS BEEN SURVEYED BY NEVADA LICENSED LAND SURVEYOR:

Company Name TANGL ENGINEER Surveyor Name STEVEN M. DOMONICH
License # 14347 License exp. Date: 12-31-16

CITY USE ONLY

DATE SR. INSPECTOR RECEIVED: 3/23/15 SR. INSPECTOR INITIALS: M. J. C.

DATE RECEIVED FROM SR. INSPECTOR AND SENT TO CITY SURVEYOR: _____

ACCEPTABLE BY CITY SURVEYOR DATE: 4/22/15 NOT ACCEPTABLE BY CITY SURVEYOR DATE 4/8/15

CLV SURVEYOR'S SIGNATURE: [Signature] DATE: 4-22-15

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

For Sanitary Sewer To Complete and Return to Offsite Inspection & Testing:

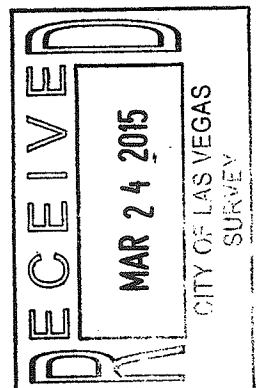
RECEIVED BY: Joe Peña
(PLEASE PRINT)

SIGNATURE: [Signature] DATE: 4/27/2015

For Flood Control To Complete and Return to Offsite Inspection & Testing:

RECEIVED BY: _____
(PLEASE PRINT)

SIGNATURE: _____ DATE: _____





City of Las Vegas
Department of Public Works
Survey Section

REVIEW CHECKLIST
SANITARY SEWER
FINAL LOCATION MAP

JOB NUMBER H51509SS2
PROJECT NAME SEWER-BRIGHT ANGEL AND CAMPBELL
WORK AUTH. NO. P28000
SUBMITTED BY Taney Engineering
PROJECT TYPE CIP ☐ Land Dev ☒ Street Rehab ☐
DATE 1/22/15
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				
Manhole Lids: (measured horizontally at centerline of lid, vertically at rim; specify diameter of lid)	☒	☐	☐	
*NOTE In the case of a two-piece lid system locate outer lid only (specify diameter of outer lid).				
Manhole Barrel: (measured horizontally at centerline of structure barrel, 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	☒	☐	☐	
*NOTE Coordinates provided must be accurate to within ±0.5 feet (6 inches) horizontally and vertically.				
Coordinate accuracy QA/QC (when available)	☐	☐	☐	

ADDITIONAL COMMENTS

DIP DUCTILE IRON PIPE
 E EAST
 EL ELEVATION
 EC END OF CURVE
 EP EDGE OF PAVEMENT
 EVC END VERTICAL CURVE
 EX EXISTING
 FF FINISH FLOOR ELEVATION
 FG FINISH GRADE
 FH FIRE HYDRANT
 FL FLOW LINE
 FT FEET
 GB GRADE BREAK
 GFF GARAGE FINISH FLOOR
 HP HIGH POINT
 INV INVERT
 LAT SEWER LATERAL
 LF LINEAR FEET
 LT LEFT
 LVVWD LAS VEGAS VALLEY WATER DISTRICT
 MAX MAXIMUM
 MH MANHOLE
 MIN MINIMUM

R/W RIGHT-OF-WAY
 RT RIGHT
 SD STORM DRAIN
 STLT STREETLIGHT
 SNWA SOUTHERN NEVADA WATER AUTHORITY
 SS SANITARY SEWER
 STA STATION
 STD STANDARD
 SVZ SIGHT VISIBILITY ZONE
 SW SIDEWALK
 TC TOP OF CURB
 TF TOP OF FOOTING
 TR TOP OF RETAINING
 TW TOP OF WALL
 TYP TYPICAL
 UDACS UNIFORM DESIGN AND CONSTRUCTION STANDARDS
 USD UNIFORM STANDARD DRAWING
 VC VERTICAL CURVE
 VCP VITRIFIED CLAY PIPE
 VG VALLEY GUTTER
 W WATER
 ZC ZERO LIP CURB

LEGEND

SUBDIVISION BOUNDARY

PRIVATE STREET

PATENT EASEMENT

ADJOINING LOT LINE

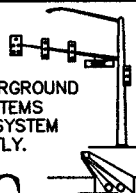
CENTERLINE

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 SYSTEM

FAST

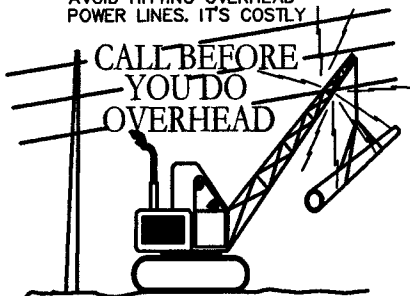
Call
 before you

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



OR
 1-800-227-2600
 AND

CLARK COUNTY TRAFFIC OPERATIONS
 1-800-455-6000

PATENT EASEMENT
 PATENT NO.11641

NOTES:

SEE PROVIDED ELECTRONIC
 LATERAL CONNECTIONS

FILE NAME: SEWER ASBULT