



Industry Advisory from the Building & Safety Department

**Changes to the requirements
for Final Location Maps
Effective March 1, 2015**

The City of Las Vegas Department of Building & Safety is pleased to announce changes to the requirements for final location maps. Effective March 1, 2015 the following changes will be made:

What is changing?

- There will now be two options available for providing the sewer and storm drain locations for projects. The two options are:
 - Current offered option – Submit a final location map sealed by a licensed surveyor. The requirements for the map are outlined in the CLV General Notes (Note #21), see attached.
 - Engineered Drawings – Provide enough sewer and storm drain information on the civil improvements plans so that the Flood Control and Sanitary Sewer Department can ensure the requirements of NRS 455 are met. The requirements for the engineered drawings are outlined in the CLV General Notes (Note #21), see attached.

What is the new process?

- The selected option will need to be identified on the civil improvement plans by the design engineer. This can be accomplished by providing a box around the selected option within the CLV General Notes. The selection has to be made during the plan review process as the two options have substantially different requirements that affect the plan review. The engineered drawings require design information that needs to be reviewed prior to permit issuance while the final location maps do not.

If you have any questions or concerns, please feel free to contact me at (702) 229-2002 or email me at mcunningham@lasvegasnevada.gov.

Sincerely,

A handwritten signature in blue ink that reads "Mil Cunningham".

Michael Cunningham, P.E.
Building and Safety Manager
City of Las Vegas

City of Las Vegas General Notes

1. All construction and materials shall be in accordance with the "Uniform Standard Specifications for Public Works Construction Off-Site Improvements, Clark County area Nevada", latest issue; the "Uniform Standard Drawings for Public Works Construction, Clark County area Nevada", latest revised edition; the "Summerlin Improvement Standards" for work in the Summerlin area; and other applicable approved standards issued by the controlling agency; the Uniform Building Code; and all local city codes and ordinances applicable, except as noted on this sheet as "Deviations from Standards".
2. The existence and location of any overhead or underground utility lines, pipes, or structures shown on these plans are obtained by a research of the available records. Existing utilities as shown from CLV Plans Library are approximate and for record purposes. Existing utilities are located on plans only for the convenience of the Contractor. Existing utility service laterals may not be shown on the plans. The Contractor shall, at his own expense, locate all underground and overhead interference's which may affect his operation during construction and shall take all necessary precautions to avoid damage to same. The Contractor shall use extreme caution when working near overhead utilities so as to safely protect all personnel and equipment, and shall be responsible for all cost and liability in connection therewith.
3. The Contractor shall take all precautionary measures necessary to protect existing utility lines, structures and street improvements which are to remain in place, from damage, and all such improvements or structures damaged by the Contractor's operations shall be repaired or replaced satisfactory to the City Engineer and owning utility company at the expense of the Contractor.
4. All construction shall be as shown on these plans, any revisions shall have the prior written approval of the City Engineer.
5. Type V cement shall be used in all off-site concrete work. Concrete to be 3000 P.S.I. minimum @ 28 days. Mix designs to be approved by the City, prior to the use on the project.
6. Permits are required for any work in the public Right-of-way. The Contractor shall secure all permits and inspections required for this construction.
7. Expansion joints required, maximum every 300' in extruded-type curb.
8. AC pavement to be one-half inch ($\frac{1}{2}$ ") above lip of all gutters after compaction, except at sidewalk ramps and cross gutters.
9. Curb and gutter found to be unacceptable to the City of Las Vegas shall be removed and replaced per standard drawing 216.
10. Sidewalk ramps shall be constructed in each quadrant of an intersection per standard drawing 235. Exact location of ramps may be adjusted in the field by a City Inspector.

11. Contractor shall provide all necessary horizontal and vertical transitions between new construction and existing surfaces to provide for proper drainage and for ingress and egress to new construction. The extent of the transitions to be as shown on plans.

12. All grading work shall conform to the soils report as prepared by the (company , _ report #, date) approved by the City Engineer, and as shown on these plans.

13. Exact location of all sawcut lines may be adjusted or determined in the field by a City of Las Vegas Engineer if location on plans is not clearly shown, or existing pavement condition requires relocations.

14. The Contractor shall take all precautions necessary to protect existing permanent survey monuments. Any monuments disturbed shall be replaced and adjusted per available records in accordance with N.R.S. Statute No. 625.380 & City of Las Vegas Title 18, Appendix D.

15. Utility company meter boxes, manhole lids, valve covers, etc., shall be located out of driveways, driveway aprons, flowlines, and cross gutters unless written approval is granted by the utility company and the City Engineer.

Wall Notes:

16. All walls, new or existing, are only shown on civil plans for the purpose of reviewing grading relationships; flood control and sight distance at intersections. New walls require a separate permit and inspection by the Building Department.

17. Asphalt mix design must be submitted and approved by the City Engineer prior to the placement of Asphalt within City Right of Way.

18. Contractor shall adjust all new and existing inlets, valve boxes, manhole rims, and sewer clean outs, etc. to finish grade as applicable whether or not they are shown on the plans.

19. Materials, handling and placement of Portland Cement Concrete shall be in accordance with applicable sections of NDOT or the Clark County Area Specifications (as applicable) and the plans and details shown hereon.

20. When installing underground facilities that require underground locating devices such as marker balls, locating ribbon, etc, the contractor shall provide written documentation to Offsite Inspection and Testing certifying that all devices have been placed and verified to be in good working condition prior to the construction of any road base.

21. Sanitary sewer and storm drain final location map(s) shall be provided to the city and approved prior to acceptance of facility video inspection. The map(s) shall include the horizontal and vertical (invert) location of public sewer manholes, storm drain manholes and transition structures, storm drain laterals at the connection to the storm drain main and at the connection to a drop inlet, the connection of sewer service laterals to the sewer main and where the sewer service laterals exit the public right-of-way, and storm drain main alignment, including deflection points. The location shall be described by coordinates which

shall be based on the official horizontal and vertical control networks of the City of Las Vegas. Final location maps must be sealed and certified by a Nevada professional land surveyor to have positional certainties of ± 0.09 meters (± 0.3 feet) horizontally and vertically. A separate electronic comma delimited file for the sanitary sewer and storm drain coordinates shall also accompany the sanitary sewer and storm drain final location map(s).

or

Sanitary sewer and storm drain facilities shown on these plans shall be used to meet the requirements of NRS 455 and shall show at a minimum the horizontal and vertical (invert) location of public sewer manholes, storm drain manholes, storm drain laterals at the connection to the storm drain main and at the connection to a drop inlet, and the connection of sewer service laterals to the sewer main and where the sewer service laterals exit the public right-of-way. Any deviations from the information shown shall be noted and submitted as a revision to the plans and approved prior to acceptance of facility video inspection.

22. CCTV video inspection is required for all sewer and storm drains. The CCTV video inspections need to be performed per the Design and Construction Standards for Wastewater Collection Systems latest edition.

23. A separate Boring Permit is required for all boring activities.

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