

7. Extend mainline storm sewers to boundary of project to serve adjacent upstream properties.

8. Design location of pipe shall be south and west of street centerline under street curb, except as required to match existing utilities.

9. Maximum depth of cover over top of pipe into catch basins shall be four feet except where approved by the City Engineer. Where the depth to pipe invert is five feet or more, a manhole shall be installed at grade breaks and pipe intersections.

10. Provide six-inch tees to serve each adjacent land parcel or future lot. Extend service lines to property line where under future paving, curbs or sidewalks.

11. Note pipe size, length, slope and invert elevations in profile on each run between catch basins.

12. Drainage facilities must be designed to convey the surface water entering a drainage area at the naturally occurring location.

B. In areas where open ditches are allowed, they shall be constructed with maximum depth of three feet, minimum side slope of one and one-half horizontal to one vertical, with driveway culverts twelve-inch minimum diameter.

C. Footing and Downspout Drain

1. **Preference is to keep storm water on site, through installation of rain gardens, or infiltration drywell next, over connection to the storm drain.**

2. Minimum diameter shall be six inches to property line.

3. Minimum slope shall be one percent.

4. Provide three foot minimum depth at property line, or deeper if required by lot topography.

5. Provide individual drain for each house or lot.

6. All drain lines shall enter mainline at a tee or catch basin.

7. Under no circumstances shall storm drain be connected to the sanitary sewer system.

8. In no event shall footing drains and downspout drains be allowed to be tied together within 10 feet of a structure.

D. Minimum materials requirements shall be as follows:

1. Pipe materials shall be in accordance with Section 7-04 of the APWA Standard Specifications.

2. Catch basins, inlets and grates shall be in accordance with the APWA Standard Plans.

(Ord. 743, 1997)

### **Section 15.01.460 Transportation - general considerations**

A. The overall goal of this chapter is to encourage the uniform development of an integrated, fully accessible public transportation system that will facilitate present and future travel demand with minimal environmental impact to the community as a whole.

B. This chapter provides minimum construction standards supplementing the applicable standards as set forth in section 15.01.025, provided that applicants shall, to the maximum extent practicable, apply low impact development alternatives where site conditions are favorable and upon a recommendation by the City Engineer and approval by the City Council.

(Ord. 743, 1997) (Ord. 862, 2005)

### **Section 15.01.465 Streets - General**

Street design must provide for the maximum loading conditions anticipated. The width and grade of the pavement must conform to specific standards set forth herein for safety and uniformity.

(Ord. 743, 1997)

### **Section 15.01.470 Design standards**

A. The design of streets and roads shall depend upon their type and usage. The design elements of city streets shall conform to City standards as set forth herein and current design practice as set forth in LMC 15.01.025. Standard design structures are shown in the standard drawings.

B. The layout of streets shall provide for the continuation of existing streets in