

April 2, 2020

Commissioners:

At the last planning commission meeting the proposed amendments to the Payson City Development Guidelines were remanded back to staff for additional review. Specifically, the commission wanted staff to determine if a clause needs to be added to the guidelines to address the authorized agents in collecting solid waste within the municipal boundaries.

Section 11.01.200 of Title 11, Solid Waste Collection and Removal Ordinance specifies the authorized agents for solid waste collection; therefore, the development guidelines do not need to be amended to include this information. It should be noted that our evaluation of Title 11 uncovered the need to update certain sections of the City Code. The Solid Waste Superintendent will process a change to this Title in the coming months.

With this explanation, staff is requesting a recommendation of approval for the following changes to the Development Guidelines (attached).

1. Add a new Section 12 to address requirements for garbage containers.
2. Add a Utility Disclaimer to the guidelines notifying the applicants, engineers, and contractors that the location, size and condition of all utilities and infrastructure must be field verified.

**SECTION 12: GARBAGE CONTAINERS****1. SPECIFIC WEIGHT OF THE WASTE USED FOR THE CONTAINER**

- a. The specific weight tells how much weight there is in a given volume.
  - i. For regular trash, an average specific weight number is about one hundred fifty (150) pounds per cubic yard.
  - ii. For specific commercial uses dealing with metals, an average specific weight number is about two hundred twenty-five (225) pounds per cubic yard.
- b. An average trash generation of three (3) pounds per person per day.
- c. An average number of people per residential unit is three (3) people per unit.
- d. The estimated weekly trash generation is based on seven (7) days per week.

**2. CALCULATE THE TOTAL WASTE PER WEEK**

- a. Multiply the average trash generation times seven (7) days per week and divide by the specific weight. For example:

$(3 \text{ pounds /person per day} \times 7 \text{ days}) / 150 \text{ pound/ cubic yard} = 0.14 \text{ cubic yards per person per week}$

**3. VOLUME OF WASTE**

- a. Multiply the number of units per three (3) people per unit.
- b. Multiply the total number of people by total waste per week. For example:

A fifty (50) unit residential development:

$(50 \text{ units} \times 3 \text{ people/ unit}) \times 0.14 \text{ cubic yard} = 21 \text{ cubic yards per week}$

**4. NUMBER OF DUMPSTERS**

- a. Dumpsters vary in sizes. The most common sizes are four (4), six (6) and eight (8) cubic yards.
- b. Divide the volume of waste by the size of the dumpster. Examples:

$21 \text{ cubic yards of waste per week} / 6 \text{ cubic yard} = 3.5 \text{ dumpster ... use 4}$

$21 \text{ cubic yards of waste per week} / 8 \text{ cubic yard} = 2.6 \text{ dumpsters ... use 3}$

5. DUMPSTER SIZES

- a. Dimensions for a four (4), six (6) and eight (8) front loading dumpster:

Four (4) cubic yard dumpster dimension



Six (6) cubic yard dumpster dimension



Eight (8) cubic yard dumpster dimension



## Payson City Utility Disclaimer

The locations, materials, slopes, flow line, rim elevations, and sizes of the existing underground or overhead utilities are shown as accurately as possible, but due to the age of the infrastructure and reporting errors the sizes and locations of the utilities shown on the Payson City GIS map are approximate and should not be used for design purposes. The owner and contractor of a development project are responsible for contacting Blue Stakes to locate all the existing utilities and performing pot holes to field verify the sizes, materials, and depths of the existing utilities prior to construction and ordering the correct materials to prevent errors in design sizes, materials, slopes, flow line, and rim elevation shown on the GIS map. Failure to verify the sizes and ordering and building the wrong sized pipe or structure is the responsibility of the owner and contractor.

The engineering design of an open channel, pipe system, storm drainage detention/retention system, etc. should include hydraulics and hydrology calculations. Failure to comply with these requirements constitute Unprofessional Conduct under the Utah State Division of Professional Licensing rules and regulations.