WHAT DRAWING IS REQUIRED FOR MY UTILITY PROJECT?

Does the project meet all four of the requirements in C.R.S. 9-1.5 defined below?

1. Requires contract with a public entity (1)
2. Primarily horizontal construction
3. Excavation is >2' deep and is 1,000 contiguous square feet OR involves any boring
4. Requires a design from a Colorado P.E. (2)

YES

S.U.E. is required per C.R.S. 9-1.5 and drawings must meet the current version of the ASCE 38 Standards

NO

S.U.E. is not required per C.R.S. 9-1.5. So what is required?

Dry Utilities (gas, electrical, communications, etc.)

Proposed Profiles as defined below

Horizontal Drawing as defined below

Sidewalk Chase Drain

Exhibit that shows location of proposed chase drain in respect to home and photos showing the need for the chase drain.

Water or Sanitary Sewer Service

Horizontal Drawing as defined below

Additional Notes:

1. Broomfield defines a contract as any engineering permit (construction) or design contract with the City.
2. Broomfield has determined a P.E. design is required if the project crosses any of the roadways or utilities as defined in the included table or if the project includes the design/construction of gravity utilities or other utilities needing P.E. design per state or federal regulations (such as high pressure gas lines).

Horizontal Drawing: Required for all utility projects. It is a drawing that shows all existing utilities (public and private) in the project area. All easements, property lines, and right-of-way lines should also be shown.

Proposed Profiles: Required as defined in the included table. The proposed profiles should show the elevation of all existing and proposed utilities at the required crossings.

S.U.E Drawings: Required as defined in the included table and per C.R.S. 9-1.5. Drawings must meet the current version of the ASCE 38 Standards and C.R.S. 9-1.5.

The following table can be used to determine what level of information is required based on the utility or roadway that is being crossed by the proposed alignment. For roadways, the required information is needed for the full width of the right-of-way.

<table>
<thead>
<tr>
<th>What is being crossed</th>
<th>Proposed Profiles</th>
<th>S.U.E. Drawings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roadways</td>
<td>Minor Arterial or larger</td>
<td>Major Arterial or larger</td>
</tr>
<tr>
<td>Storm Line</td>
<td>36” or larger</td>
<td>Larger than a 36” line</td>
</tr>
<tr>
<td>Sanitary Sewer</td>
<td>12” or larger</td>
<td>Larger than a 12” line (all force mains)</td>
</tr>
<tr>
<td>Water Line</td>
<td>14” or larger</td>
<td>Larger than a 14” line</td>
</tr>
</tbody>
</table>