



Project: _____

Contact: _____

The following checklist includes the parameters that must be implemented when submitting and/or reviewing construction plans for water and/or sewer. This checklist should also be included with the permit application. This list is not intended to be all inclusive, but is provided as an aid to identify common design issues for all plans.

UTILITY SEPARATIONS

1. Y N Does the water under the storm sewer have a 12" minimum separation?
2. Y N Does the water over the storm sewer have a 6" minimum separation?
3. Y N Does the water over the sanitary sewer have an 18" minimum separation?
4. Y N Does the water under the sanitary sewer have a 6" minimum separation, if not has DIP been provided?
5. Y N Is there a 10' horizontal separation between sewer and water mains or 18" vertical separation with water in a separate, undisturbed, benched trench (water over sewer) and if not, is DIP material specified?
6. Y N Do the sanitary and storm sewers have either a 24" vertical separation, 6" minimum separation and DIP sanitary sewer specified or an engineering solution such as DIP or structural bridging required to prevent crushing the underlying pipe?
7. Y N Have all streams, creeks, and/or waterbodies that are within 100' of the sanitary sewer been classified? If so, is the sewer separation in accordance with 15A NCAC 2T .0305(f) and (g)?

Are all minimum separation requirements fulfilled? If not, please explain in the space provided.

PROXIMITY OF WELLS

1. Y N Are wells within 200' of sanitary sewer extensions are shown on the plan with 25' & 100' radius circles?
2. Y N Does the sanitary sewer have a 100' horizontal separation from wells or any other water supplies?
3. Y N Are sanitary sewer mains that fall within the 100' radii of a private well specified as DIP?
4. Y N Have proper measures been taken to have well owners connected to public water and the affected well abandoned where sanitary sewer mains are within 25' of a private well and/or sewer manholes are within 100' of the private well?

MANHOLES

All outfall manholes and manholes below 100-year flood elevation must be watertight and vented, per COG Std. #212, about every 1000' and should be indicated on plans.

1. Y N Are manhole rim elevations at least 2' above 100-year flooding levels?
2. Y N Are outfall manholes at least 2' above finished grade?
3. Y N Is the 100' flood elevation plotted in profile on the drawings?

FORMATS

1. Y N Are all intended public water and sewer lines provided on standard City of Greensboro Mylar format?
2. Y N Is an overall utility plan included with all phases shown, displaying both the existing and proposed utilities?
3. Y N Are any existing, unused water and sewer lines or laterals to be abandoned at the main?
4. Y N Is a location map and north arrow included on the plans?
5. Y N Has a NC Professional Engineer signed, sealed and dated the water and sewer main extensions?
6. Y N Are all existing public and private water/sewer lines clearly defined?
7. Y N Are all proposed public and private water/sewer lines clearly delineated?

If any of the above format conditions are not met, please elaborate in the space provided.

PIPE MATERIALS

1. Y N Are all pipe materials and sizes labeled, both existing and proposed?
2. Y N Are all encasements shown and labeled?

FIRE HYDRANTS

1. Y N Is the project structure entirely within the maximum 500' coverage of an existing or proposed fire hydrant(s), as a fire truck would travel?
2. Y N Will a fire pump be installed/required?
3. Y N Has the fire pump data been supplied to Water Resources?
4. Y N Are there any water and sewer lines crossing under or within 10' of a structure footprint, including retaining walls?
5. Y N Are all existing and proposed easements shown on plans?

EASEMENTS

If easements are not recorded in plat form, please contact Property Management at 336-373-2302.

FLOW ACCEPTANCE

Include a copy of the approved Flow Tracking/Acceptance Request for Sewer Extension Permit Applications (Form COG-FTAR12/07) with the permit application.