

WATER REPLACEMENT / UPGRADE GRADING CHECKLIST

The following is a list of topics reviewed with the Detailed Grading Plan Process
Additionally included are commonly asked questions and answers pertaining to Detailed Grading Plans

Eight (8) copies of a detailed grading plan must be submitted signed and sealed by an Illinois registered Professional Engineer and must include:

- North Arrow
 - Scale
 - City of Naperville Benchmarks (see our website at www.naperville.il.us)
 - Statement of release or no release for future FOIA requests.
1. **Proposed Utilities**
 - a. Any storm sewer within the ROW must be reinforced concrete or ductile iron.
 - b. The proposed water service size must called out and shown how it will be connected. 1" minimum size, 1.25" size not allowed.
 - i. All new services must connect to the main and not the b-box.
 - ii. Water service upgrades must be from the water main to the b-box, and the b-box to the house.
 - c. Any sanitary sewer cleanouts shall be the 'Tee' type, located outside of the building, and easily accessible. Required every 95-foot length of pipe.
 - d. No open trench cuts are allowed in the street, except in special circumstances.
 - e. If "directional boring" is proposed for service upgrade, potholing of all utilities is required.
 - f. Existing and proposed water main/ service and sanitary sewer main/service, shall be shown on the plans.
 - g. Sanitary sewer clean- out location shall be shown on the plans. Clean-out shall be of the same size and material as the new sewer service pipe.
 - h. Plan shall show all existing utilities and structures. This includes all manholes, valve vaults, b-boxes, valve boxes, streetlights, trees, driveways, sidewalks, etc.
 - i. All proposed utility structures, private and public shall follow the City of Naperville Standard details for construction and materials.
 - j. **All existing electrical poles/overhead wires and dimensions shall be shown on the plan. Required code clearances must be maintained.**
 2. **Double check**, are the following details incorporated into the design document, when applicable?
 - a. Any trees in the area of construction require the Recommended Practices for Trees to be Saved detail, Tree Protection detail, depending on the circumstance, may also require the Tree Augering detail MISC 7-9).
 - b. Any new structures require their associated City details.
 3. **Miscellaneous, useful information**
 - a. Call 630-420-6082 to schedule inspections a minimum of 24 hours in advance.
 - b. Any tree removals in the R.O.W. require a permit from DPW-Forestry (630) 420-6101.
 - c. Any property that is located adjacent to a river or creek, a DuPage County Permit will be required prior to City approval. This may include sections 3, 4 and/or 5 in the County Stormwater Submittal that can be found on the County's website. A county pre-application meeting will be required by the county for any projects they need to review, a conceptual idea of the site is required for discussion purposes at the meeting. . The county's review timeline varies on the number of special management areas that are affected. This permit may take a few months to obtain and the process should be started as soon as possible. As of April 1, 2005, the county requires a \$200 application fee that is required at the time of submittal to the county. Please refer to the DuPage County website for further information. (www.dupageco.org)
 - d. The dimensions of the home to the property lines shall be shown. The setbacks (front, sides, and rear) shall be shown or called out on the detailed grading plan.