




City of North Tonawanda
Department of Engineering
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North Tonawanda, NY 14120-5493

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MEMO

TO: Grading Permit Applicants for New Construction

FROM: Dale W. Marshall, P.E.
City Engineer 

DATE: January 6, 1999

RE: **Grading Permit Drawings for Commercial and Residential Construction**

The following are the minimum requirements for information that must be shown on drawings prepared for a grading permit submitted to the Engineering Department for new construction which alters land topography or vegetative cover:

1. Drawings shall be stamped and signed by a professional engineer or licensed land surveyor.
2. Scale 1" = 20' (minimum).
3. The plan shall show all existing contour elevations (dashed line) at 1' intervals.
4. The plan shall show all proposed contour elevations (solid line) at 0.5' intervals.
5. Existing utilities within the right-of-way.
6. Show all existing lot topography (i.e. trees, poles, structures, etc.)
7. Proposed sanitary laterals, storm sewers, and water services.
8. Road right-of-way, curbs, and edges of pavement.
9. All lot dimensions and interior angles.
10. Benchmark elevation and location.
11. North arrow.

12. First floor elevation.
13. *For Residential Construction:* Show proposed first floor elevation, set a maximum of 3'-0" above the centerline elevation of the road and perpendicular from a point in front of the proposed house. The first floor elevation shall be calculated using a projection of the road centerline elevation at the edge of pavement, or using the top of curb elevation in front of the proposed building lot. From this point determine the finished grade at the front building foundation wall using a one (1) percent slope through the distance to the front setback of the proposed building. From this point add 1.5' to determine top of foundation wall. Once the elevation of top of wall is determined, add the thickness of the sill plate, depth of floor joists plus the thickness of floor sheeting to determine the first floor elevation. Elevations shall be in feet, to the nearest one hundredth of a foot decimal.
14. **No Building Permits will be issued until a grading permit is reviewed and approved.**

DWM:jms

cc: File

David Maziarz, Junior Engineer
Dale Rogers, Senior Engineering Aide

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