§ 2. CHECKLIST FOR ENGINEERING PLANS.

_____(Name of Subdivision)
_____(Date of Submission)
_____(Due Date of Recommendation - 45 Days)

(NOTE: To properly execute this checklist, the subdivider or his engineer shall:

(A) Insert the required information.

(B) Denote compliance with applicable ordinances by placing his initials in all spaces where applicable.

(C) Denote those items which the subdivider considers "not applicable" to this particular subdivision by the abbreviation "N.A.").

__ 1. Plans have been submitted within 12 months of the date of approval by the Village Board of Trustees of the Preliminary Plan.

__ 2. Four copies of engineering plans have been submitted.

__ 3. Plans conform to § 151.51(A).

__ 4. A title sheet is included with each set of plans, and includes:
- __ a. Name of subdivision and unit number
- ____b. Type of work covered
- __ c. Location map showing relation of area to be improved to existing streets
- __ d. An index of sheets
- __ e. A summary of quantities
- __ f. Name, address, and seal of registered engineer preparing the plans.
- __ g. Date of preparation and revisions, if any, is shown

__ 5. Plan and profiles.
- _____ a. Horizontal scale is not less than one inch to 50 feet.
- __ b. Vertical scale is no less than one inch to five feet.

__6. Final grading plan of the Planned Development is provided.

__ 7. Cross sections are plotted on Federal Aid Sheets, Plate III.

__ 8. North direction is shown for each separate plan view.

__ 9. An adequate number of bench marks are shown with elevations referenced to mean sea level, to facilitate checking of elevations.

_ 10. Delineation is shown of all easements necessary to serve all lots with underground and overhead utilities, and to allow for perpetual maintenance to these facilities.

__ 11. An application for Illinois Environmental Protection Agency permit for the sanitary sewer extension accompanies the plans.

__ 12. Sanitary sewer plans and specifications are complete and conform to the standards and requirements of the Codes applicable thereto and denote all of the following: (See Chapter 38)
- __ a. All properties in the subdivision are served and house service connections are provided.
- __ b. The minimum size main is eight-inch I.D.
- __ c. The plan conforms to the overall municipal plan for any trunk sewers traversing the subdivision.
- __ d. The distance between manholes does not exceed 400 feet.
- __ e. The invert elevation of each manhole is shown.
- __ f. The grade of each section of sewer is shown by percentage in accordance with accepted engineering practice.
- _ g. Extra strength pipe and extra strength manhole wall construction is specified and shown on the plans and in the estimates of quantities where the depth of installation exceeds eight feet.
- __ h. Profile of existing and proposed ground surfaces.
- _ i. Risers are shown for individual house service laterals where depths of main exceeds 12 feet.
- ____j. Provisions provided for air and mandral testing of all sanitary sewers.

_ 13. An application for State Environmental Protection Agency approval of the water main installation accompanies the plans.

__ 14. Water distribution plans and specifications are complete and conform to the codes applicable thereto and include all of the following:
- __ a. All properties in the subdivision are served.
- __ b. The minimum size main is eight-inch I.D.
- __ c. The plan conforms to the municipality's overall plan for any trunk lines which might traverse the subdivision.
- __ d. Valve and hydrant spacing and location conform to the approved preliminary plan.
- __ e. Materials and joint specifications comply with the municipality's standards.
- __ f. Specifications include provisions for testing and sterilization of all new water distribution facilities.
  - __ 1. Valve cover
  - __ 2. Standard cover
  - __ 3. Standard hydrant installation

_ 15. Street plans, including storm sewers are complete and conform to the codes applicable thereto and include all of the following:
- __ a. The location of streets and width of pavements conform to those indicated on the approved preliminary plan.
- _ b. Plan shows curb, gutter and sidewalk locations, and include the following information:
  - __ 1. Corner curb radius is not less than 15 feet.
  - __ 2. Curve data for all horizontal curves.
  - __ 3. Direction of flow along all curbs.
  - _ 4. No surface water is carried across or around any street intersection, nor for a distance greater than 500 feet. The spacing for inlets/catch basis shall be calculated so that the runoff from the design storm shall not encroach upon the pavement by more than ten feet from back of curb; provided, that under no circumstances shall such spacing exceed 500 feet.

__ c. Cross-sections are submitted as necessary to indicate feasibility of proposed street elevations in relation to adjacent lot elevations, and include sidewalk location.
__ d. Profiles are submitted for all paving centerlines and storm sewers and indicate:
__ 1. Catch basin invert elevations
__ 2. Minimum pipe size is 12-inch I.D.
__ 3. The grade of each section of sewer is shown by percentage in accordance with accepted engineering practice.
__ 4. Storm sewer elevations do not conflict with any other underground utilities.
__ 5. Storm sewer is connected with an adequate outfall.
__ 6. Curve data is given for vertical road curves.
__ e. The storm sewer system is designed to provide sufficient capacity for the drainage of upland areas contributing to the storm water runoff on the street.
__ 1. Storm sewer design computations are submitted with plans.
__ 2. Ten-year design storm shall be used in calculating all storm sewers, encroachments, and appurtenances.
__ 3. All storm water detention facilities shall accommodate both the ten- and one-hundred design storm.
__ f. A surface water drainage pattern is shown for each block.
__ g. Material specifications comply with standards of the municipality and include:
__ 1. paving base materials
__ 2. paving surface materials
__ 3. concrete
__ 4. pipe materials
__ h. Typical cross-sections and details include the following:
__ 1. Collector street
__ 2. Minor or cul-de-sac street
__ 3. Concrete curb and gutter
__ 4. Concrete sidewalk
__ 5. Standard manhole
__ 6. Standard cover
__ 7. Catch basin

__ 16. Street light plans are complete and include the following:
__ a. Pole locations
__ b. Spacing
__ c. Average maintained footcandle illumination (calculated).
__ 1. type of base and pole
__ 2. bracket or arm
__ 3. luminaire, indicating type of lamp and wattage
__ 4. mounting height

__ 17. Parkway improvement specifications are complete and include provisions for:
__ a. Removal of stumps and trees that cannot be saved, boulders and all other similar items.
__ b. Grading, installation of topsoil and seeding or sodding.

__ 18. Street signs are shown to be installed at all street intersections not previously marked.

Completed by: _____(Name)

_____(Address)
_____(Date)
Reviewed by: _____(Engineer)
_____(Date)
Considered by Plan Commission on: _____(Date)
_____(Chairman)
(Ord. passed - -)