

PLAN REVIEW CHECKLIST FOR STORM WATER

Date: _____	District/Section: _____
Subdivision: _____	
Engineer: _____	
File Number: _____ (Provided by Public Works)	

MUST BE FULLY COMPLETED BY THE ENGINEER

GENERAL INFORMATION

Y N NA

- Copy of the council-approved preliminary plat provided.
- Two sets of drawings on 24"x36" paper submitted.
- Plans sealed, signed, and dated by Professional Engineer.
- City title block on all sheets.
- Revisions noted.
- Obtain MODOT approval (if any work done in State ROW).
- If development exceeds five (5) acres, a Land Disturbance Permit has been obtained from the Department of Natural Resources.
- Obtained appropriate permit in Building Development Services Department to build or grade within a floodplain.
- If property contains a sinkhole or drains to a sinkhole, submitted a sinkhole report in accordance with the sinkhole requirements of Chapter 36 of the Springfield City Code.
- Stormwater plan conforming to City standards and generally accepted engineering procedures if not addressed in standards, including but not limited to:
 - 1. Map showing drainage areas and design flows to each intake and conveyance structure in the immediate system.
 - 2. Capacity calculations of each intake and conveyance structure in the immediate system.
 - 3. Map showing off-site drainage coming onto the site with calculations showing the effects on the design.
- Note shown that bridges and culverts are designed for HS-20 loading.

Title Sheet

Y N NA

- Name of subdivision/improvement shown.
- Name, address, and zip code of developer/owner shown.
- Location sketch shown:
 - 1. Scale shown
 - 2. North arrow shown
 - 3. Two major streets shown
- Site Plan shown:
 - 1. Subdivision Legal description given
 - 2. Elevation contours shown over the entire subdivision.
 - 3. Lot lines and dimensions shown.
 - 4. Two City benchmarks referenced.
 - 5. North arrow shown.
 - 6. Correct scale shown (1" = 40' or other appropriate)
- Neighboring subdivision name and lot numbers shown if affected by construction.
- Consultant's name, address, zip code, and phone number shown.
- Sections of the storm sewer indexed by sheet number.
- All applicable standard construction notes shown.
- The "One Call" stamp and phone number shown.

PLAN AND PROFILE SHEETS

Plan

- Scale shown (1"=40' for undeveloped areas, 1"=20' for developed areas).
- North arrows shown.
- Line types defined (if not in standards).
- Names shown of all landowners effected by project.
- New easements dimensioned and properly described.
- Easements are sized to contain the developed 100-year flow.
- A topographic survey of the property has been completed and contours with an interval no greater than two (2) feet are shown.
- All other utilities are shown.
- Gutter flows do not exceed 5 cfs for the 2-year storm.

Profile

Y N NA

- Existing and proposed ground profiles shown..
- Note shown to compact sub-base to 95 percent of Standard Proctor if storm sewer is to be built on fill.
- Profile extends beyond the improvements at both ends to clearly show how connection to existing system is to be made.

OTHER COMMENTS:

- Top of manhole elevations shown where sanitary sewer is within a drainage easement.
- Channel linings determined based on design velocities.
- Erosion control used at locations of high velocities (steep slope or culvert inlets and outlets, etc.).

CERTIFICATION STATEMENT

I hereby certify I have checked the plans and review checklist for completeness, accuracy, compliance, and conformity with the plat, zoning and subdivision report, council bill, Public Works standards and specifications, and FEMA flood plain data. I further understand that review submittals without a signed checklist, without information required on the checklist, or without information or changes requested by a previous review may be returned to the Engineer without comment.

Date

Registered Engineer of Record and Seal