

## Drainage Committee Meeting Minutes

January 12, 2016

2:00 p.m.

Meeting was called to order with the following in attendance: Drainage Committee Chairman - Alderman Hopkins, Drainage Committee Members – Aldermen Notheisen, Heller and Trantham. Zoning / Subdivision Administrator - Jim Nagel, Director of Public Works – Tim Birk, HMG – Brad Hummert. City Attorney – Dan Hayes. Secretary – Tammy Kujawa.

1. Petitions by Citizens on Non-Agenda Items. None.
2. Approval of 02-24-15 Joint Drainage & Street Committee Meeting Minutes. Alderman Notheisen made a motion to approve the minutes, seconded by Alderman Heller. Motion passed unanimously.
3. Drainage Code Overview. A working copy of the Drainage code was distributed. Brad Hummert, HMG, explained that most of the changes were clean-up and very technical; however, he did have a few significant issues:

### **FIRST: (page 7)**

34-4-15 Drainage Requirements.

(C) *Determination of Areas, Surface Characteristics, & Conditions:*

(4) Drainage Area Conditions Beyond Tract.

NEW LANGUAGE:

(a) *At the City's discretion, in that instance where the subdivision or development abuts a farmfield which drains toward the development, a Real Time Kinematic survey may be required to determine the drainage area.*

Brad Hummert explained the current method used for calculating a drainage basin area is flawed and the city needs good data from the developer before approving. Therefore, he suggests requiring an RTK (Real Time Kinematic Survey) as recently developed by NASA. Brad explained that the new satellite survey method is within 6" of elevation accuracy across the board. This method may cost the developer an extra \$10,000. The new requirement should be on a checklist provided to developers when they first approach the city regarding their project. The new drainage code should also be sent to area engineers. Alderman Notheisen made a motion to delete "in that instance.....toward the development" from the proposed language. Motion approved.

Alderman Heller questioned the "culvert" definitions on page 1 and stated a size needs to be in the definition so a layman can understand and tell the difference in the field. Brad Hummert stated he would discuss this with Chris Wilson from HMG. Jim Nagel stated that on page 11, 4C the issue is addressed without changing the definition.

A discussion on "culvert responsibility" ensued as the city is having problems in Lou Del. Tim Birk explained the homeowner is responsible for culvert maintenance as covered in Chapter 33 Streets, Article VI Culverts, of the city's code book.

Alderman Notheisen stated that without additional reference material, you cannot understand the definitions and they are confusing – for example, “lowest floor”. Tim Birk explained the definition; however, point was taken and agreed upon.

**SECOND:**

34-4-15 Drainage Requirements.

(G) *Placement, Appurtenances, Materials, and Backfilling:*

NEW LANGUAGE:

(1) *Inlet Area Set-Aside*

*(a) When a subdivision or development abuts an agricultural area, an area equal to a maximum of 1% of the drainage area will be set aside for the placement of inlet structures, as required in the discretion of the City. If this area is required, it will be included in one (1) lot but no building or structure may be erected thereon.*

Brad Hummert led the discussion on agricultural field drainage into a subdivision. Alderman Notheisen questioned the term “drainage area”. Brad explained that the “drainage area” is all the area “upstream” from the location in question. Alderman Notheisen stated that all lots in a subdivision should be habitable. Jim Nagel said he would check where “outlots” are in the code for deletion. Jim Hopkins stated that on page 6, item F addresses swale areas and problem of surface water drainage on back lots. Discussion ensued on drainage methods and back lot size requirements. Dan Hayes will write up verbiage to replace G(1)(a).

Alderman Notheisen noted the entire text needs to be checked for grammatical errors.

Jim Nagel questioned page 2, item 9, and the possibility of homeowners cutting into our system.

Alderman Notheisen asked if the new language would affect Remington Ridge. Jim Nagel stated that the language would not affect the current phase in progress but will affect the future phases going forward. Mr. Nagel also noted that the Silver Creek Crossing Addition will be starting this spring.

It was agreed that everyone would read the Drainage Code working copy and submit any comments to Jim Nagel by 01-19-16. The Drainage Committee will then reconvene on 01-26-16 at 2:00 p.m.

4. Additional Comments. None.

Motion to adjourn made by Alderman Notheisen & seconded by Alderman Heller. Motion passed unanimously. Meeting adjourned at 4:15 p.m.