

Comments from: **Waukesha Water Utility**
To the: **City of Waukesha Plan Commission**

Regarding the City of Waukesha published AGENDA for the PLAN COMMISSION, scheduled for:
Wednesday July 23, 2014

Item # -----comments-----

I. CALL TO ORDER

II. ROLL CALL

III. PLEDGE OF ALLEGIANCE

IV. APPROVAL OF MINUTES

ID#14-0769 Approval of Minutes for the July 23, 2014 Meeting

V. BUSINESS ISSUES

PC14-0075 Meijer, 801 & 831 E. Sunset Drive – Final Site Plan & Architectural PUD Review

The Tenny Avenue Extension plans submitted as reference were not reviewed as part of this agenda item.

The Developers Agreement and Easements are have not been completed for this project, but a letter to the General Manager of the Waukesha Water Utility requesting a water main extension has been received.

Page C500R – Design consideration should be given to how the future water main extension on Tenny relates to the hydrant at Station 20+93.13, 17.26'RT. As it is shown now, the hydrant south of the store entrance drive could be interrupted during the future connection work.

Page C500R – Storm sewer crossing over water main at station 26+20, due to the water main only feeding a fire hydrant, insulation shall be provided on top of the water main to further protect from frost.

Page C500R – Storm sewer crossing over water main at station 21+96, due to the water main only feeding a fire hydrant, insulation shall be provided on top of the water main to further protect from frost.

Page C501R – add a note in plan view where water main line A and water main line B cross, that no inter connection shall be made as the lines serve two separate pressure zones.

Page C501R - Change the note for the 8-inch tie in to the existing main on Sunset at Tenny to read, "12"x8" TAPPING SLEEVE & 8" TAPPING VALVE & VALVE BOX (TO BE PROVIDED AND INSTALLED BY THE WAUKESHA WATER UTILITY) – CONTRACTOR TO PROVIDE TRENCH, SHIELD, MEANS FOR LOWERING TAPPING MACHINE, AND APPROPRIATE TRAFFIC CONTROL."

Page C502R – Station 201+00, show storm sewer crossing in the profile view of the water main. Call for insulation if needed to further protect water main from frost.

Page C502R – Storm sewer crossing over water main at approximate station 202+42, insulation shall be provided on top of the water main to further protect from frost.

Page C502R – Storm sewer crossing over water main at approximate station 204+88, insulation shall be provided on top of the water main to further protect from frost.

Page C504R – Storm sewer crossing over water main at approximate station 207+42, insulation shall be provided on top of the water main to further protect from frost.

Page C504R – Storm sewer crossing over water main at approximate station 210+51, insulation shall be provided on top of the water main to further protect from frost.

Page C505R – Connection to existing 16-inch water main and associated notes. This connection should be made by removing the existing 16-inch 90 degree bend that is roughly directly south of the existing hydrant shown at station 215+00, replacing the bend with a 16x8x16 tee, and installing a new valve east of the tee such that the existing hydrant may be used for flushing the new main following construction. Remove note regarding existing 16-inch being a dead end as that is incorrect.

Page C401 – the 10-inch fire connection to the building, we will require a 12x12x12 tee with three 12-inch valves as they will be our responsibility to maintain. The fire line can have a 12x10 reducer after the valve to the building, which, from the valve to the building will be the responsibility of the Owner to maintain.

Page C404 – Storm sewer crossing over water main at four locations, insulation shall be provided on top (under in one location) of the water main to further protect from frost due to minimum clearances.

Page C405 – Storm sewer crossing over water main at one location, insulation shall be provided on top of the water main to further protect from frost due to minimum clearances.

Page C405 – Station 13+20, the 10-inch fire connection to the building, we will require a 12x12x12 tee with three 12-inch valves as they will be our responsibility to maintain. The fire line can have a 12x10 reducer after the valve to the building, which, from the valve to the building will be the responsibility of the Owner to maintain.

PC14-0090 Meijer, Tenny Avenue & Sunset Drive – Certified Survey Map
No Comments as the water main easement will be a separate document.

PC14-0085 Schoolcare Learning Center, 101 W. Sunset - Conditional Use Permit.
No Comments.

PC14-0092 MetalTek X-Ray Room Addition, 905 E. St. Paul Avenue, Final Site plan & Architectural review
Our records indicate that the service to the existing building is a 4-inch ductile iron line installed in 1969. The line is connected to the 12-inch main in St. Paul Ave with a 12x6 tapping sleeve. If the proposed addition causes there to be fire protection required inside the building, then the 4-inch line to be changed to meet these requirements; the water lateral will need to be PVC, DR-14, AWWA C900, Pressure Class of 200 PSI or Ductile Iron Pipe, Thickness Class 52. If the change is needed, contact the Waukesha Water Utility when all other approvals are received for this project; a water lateral and meter application form, available online, must be completed to determine the appropriate water meter size for the building.

PC14-0093 Carroll University, Maxon & Lowry Hall – Certified Survey map
No Comments.

PC14-0097 Clearwater Apartments – Final Site Plan & Architectural PUD Review

The Developer/Owner shall send a letter to the General Manager of the Waukesha Water Utility requesting the public water system extension and identifying the easements necessary for the installation of water infrastructure associated with this project. All costs associated with the water main extension will be the responsibility of the Developer/Owner(s) and pertain to the current rules and regulations on file with the Public Service Commission for the State of Wisconsin. Design and construction of the water main will need to be coordinated with the Waukesha Water Utility. Final design review will not be started until the letter to the GM at the WWU is received. All aspects of the water main plans will need to follow the Utility's specifications as on file with the DNR which includes the plans to be on 22"x34" sheets. Contact the Waukesha Water Utility for water service to this property; a water lateral application form must be completed to

determine the appropriate water lateral and meter size for the proposed buildings. The proposed development is within the Central Pressure Zone.

Page C1.01; change detail to state that the front nozzle must be a minimum of twenty-four inches (24") behind the back of curb.

Pages C5.02, C5.03 and C5.04

For any connection to an existing water main: Please add the following note at the location of the water main connection; 8"x8" TAPPING SLEEVE & 8" TAPPING VALVE & VALVE BOX (TO BE PROVIDED AND INSTALLED BY THE WAUKESHA WATER UTILITY – CONTRACTOR TO PROVIDE TRENCH, SHIELD AND MEANS FOR LOWERING TAPPING MACHINE).

Page C5.04

Per NR 811.70, where dead end mains occur, they shall terminate in a fire hydrant; add another hydrant and valve after the last building lateral connection.

A hydrant should be located at any high point in the water main; air releases valves will not be allow if other alternatives are available.

Horizontal separation between sanitary sewer and water main should be dimensioned.

As part of the final design review, native soil information at the depth of the proposed water main must be provided for this area, in order to show that the correct pipe and backfill materials are being used.

PC14-0096

Clearwater Apartments – Certified Survey Map

Some line work for the water main easement appears to be missing from the CSM.

PC14-0094

Good Harvest Market, Meadow Lane at Silvernail Road – Certified Survey Map

The Developer/Owner shall send a letter to the General Manager of the Waukesha Water Utility requesting the public water system extension and identifying the easements necessary for the installation of water infrastructure associated with this project. All costs associated with the water main extension will be the responsibility of the Developer/Owner(s) and pertain to the current rules and regulations on file with the Public Service Commission for the State of Wisconsin. Design and construction of the water main will need to be coordinated with the Waukesha Water Utility. Final design review will not be started until the letter to the GM at the WWU is received. All aspects of the water main plans will need to follow the Utility's specifications as on file with the DNR which includes the plans to be on 22"x34" sheets.

Details on the 20' wide water main easement shown on the CSM will need to be submitted for approval since it doesn't meet the standard 30' wide exclusive standard that we require.

PC14-0095

Eaton Cooper, 1900 E. North – Final Site Plan & Architectural Review

No Comments.

VI. ADJOURNMENT