

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#14-0708 Approval of Minutes for the July 9, 2014 Meeting

V. BUSINESS ISSUES

PC14-0055 Timber View Estates Preliminary Plat: 37 single family lots.
Information was not provided for a complete review.

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

PC14-0086 Waukesha State Bank, 151 E. St. Paul Avenue - Final Site Plan & Architectural Review.
No Comments

PC14-0087 Rolling Oaks II, Addition No. 1 - Extraterritorial Plat Review.
No Comments

PC14-0088 Associated Bank, 2815 N. Grandview Blvd. - Preliminary Site Plan & Architectural
Review.

Our records indicate there is a 1-1/2 inch copper service to the existing building that was installed in 1984. 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 proposed building. If fire protection within the building is required, the proposed water lateral will need to be PVC, DR-14, AWWA C900, Pressure Class of 200 PSI or Ductile Iron Pipe, Thickness Class 52.

There are proposed storm sewer inlets are within the existing easement and all three are shown very close to the existing water main, but no dimensions are given. In addition to providing the insulation that is indicated on the plans if cover is found to be less than 6-feet above the water main, the water main adjacent to the storm inlets should also be insulated if separation of 2 feet in all directions from the storm sewer system cannot be maintained in order to help protect the water main from freezing.

PC14-0089 Expanded Shoppes of Fox River, Chapman & Spring City Drive - Final
Site Plan & Architectural PUD Review.

The Developer/Owner has sent a letter to the General Manager of the Waukesha Water Utility requesting the public water system extension. 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. An amendment to the existing Developers Agreement and amended easements will need to be signed and executed. Design and construction of the water main will need to be coordinated with the Waukesha Water Utility. This development falls within the Central Pressure Zone.

For all building connections, contact the Waukesha Water Utility when all other approvals are received for these projects; a water lateral and meter application form, available online, must be completed for each building connection to determine the appropriate water meter size for the proposed building. If fire protection within the building is required, the proposed water lateral will need to be PVC, DR-14, AWWA C900, Pressure Class of 200 PSI or Ductile Iron Pipe, Thickness Class 52.

Page C3.0:

The most current Water Utility standards are dated February 28, 2011, not 2008 as listed on the page.

The proposed water main easement on the north side of Major C building should be labeled.

The existing water service to the existing retail building adjacent to Major C must be shown and labeled.

Change the notes for the two 12-inch tie ins to the existing main on Chapman Drive to read, "12"x12" TAPPING SLEEVE & 12" 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."

Change the note for Proposed Retail E to read, "Tie into existing 6" water stub".

Add the note for the Proposed Retail F tie in to the existing main in the parking lot to read, "12"x6" TAPPING SLEEVE & 6" 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."

Change the note for Proposed Retail G to read, "Tie into existing 6" water stub".

Change the note for Proposed Retail H to read, "Tie into existing 6" water stub".

Clarify note "Relocate existing hydrant" and show water main in the area of Spring City Drive.

The drawings show two existing water lateral stubs virtually in the same location, about 70 feet south of proposed Retail H connection, and another just north of the water main connection at Spring City Drive. If these laterals are not going to be used now, or in the near future, they must be properly abandoned at the main.

Due to the location of the existing valves, in order to keep the three fire hydrants that protect the existing retail and Hobby Lobby in service during the construction period, the two new valves shown at stations 102+32.04 and 200+61.26 must be located at the connection points (stations 100+00 and 200+00). These new valves shall be swabbed with chlorine, installed, buttressed, and flushed as the first step in the water main construction, in order to allow the existing main and fire hydrants to be brought back into service quickly. Adjust pages 3.3, 3.4 and 3.5 accordingly due to the change in valve locations.

Verify that the proposed 6"-inch water lateral/fire line connection to Major C at station 102+37.04 has to correct separation from the existing hydrant.

Page C3.1:

Add the note for the Proposed Retail F tie in to the existing main in the parking lot to read, "12"x6" TAPPING SLEEVE & 6" 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 C3.2:

Change the note for the sanitary sewer crossing in front of Building D to also note that 6' of cover over the water main must be maintained as a minimum.

Page C3.3:

Change the notes for the two 12 inch tie ins to the existing main on Chapman Drive to read, "12"x12" TAPPING SLEEVE & 12" 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."

Fill in the blank for the depth of bury for the new fire hydrant.

Page C3.4:

The most current Water Utility standards are dated February 28, 2011, not 2008 as listed on the page.

Plan view of proposed water main doesn't appear to actually connect to the existing water main; verify that layer is turned on within the plan set. There is a note, but it is not at the location that is shown for the existing water main.

Show the storm water crossing at roughly station 104+ 60 on the profile view of the water main.

Show the sanitary sewer crossing at roughly station 104+85 on the profile view of the water main.

Change the notes for the sanitary sewer crossing at roughly station 104+85 to also note that 6' of cover over the water main must be maintained as a minimum.

Change the notes for the 12-inch tie in to the existing main on Chapman Drive to read, "12"x12" TAPPING SLEEVE & 12" 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."

Due to close proximity of storm sewer outlets, provide 2" of rigid insulation meant for underground usage between the water main and any storm or sanitary sewer crossing where 24" cannot be maintained. Show this on the profile view of the water main.

Page C3.5:

The most current Water Utility standards are dated February 28, 2011, not 2008 as listed on the page.

Plan view of proposed water main doesn't appear to actually connect to the existing. There is a note, but it is not at the location that is shown for the existing water main.

The storm sewer elevations shown on the plan view differ from those shown on the profile view; which are correct?

Show the storm sewer crossing at roughly 204+60 on the profile view of the water main.

Show the sanitary sewer crossing at roughly station 204+85 on the profile view of the water main. Adjust design to allow for 18" of vertical separation where the sanitary sewer crosses over the water main, current design does not meet minimum separation requirements.

Fill in the blank for the depth of bury for the new fire hydrant.

Change the notes for the 12 inch tie in to the existing main on Chapman Drive to read, "12"x12" TAPPING SLEEVE & 12" 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."

Due to close proximity of storm sewer outlets, provide 2" of rigid insulation meant for underground usage between the water main and any storm or sanitary sewer crossing where 24" cannot be maintained. Show this on the profile view of the water main.

Page C4.0

In Utility note 7, change City of Waukesha to Waukesha Water Utility.

In Utility note 11, add that the public water mains must have tracer wire per the Utility specifications date February 28, 2011 and in accordance with Figure 2 of those specifications.

Change Utility note 13 to read: If water mains cross over sanitary or storm sewer mains, the water main shall be laid at such an elevation that the bottom of the water main is at least 6 inches above the top of the sewer main. If water mains cross under sanitary or storm sewer mains, a minimum vertical separation distance of 18 inches shall be maintained between the top of the water main and the bottom of the sewer main. At crossings, one full length of water pipe shall be centered above or below the sewer so that both joints will be as far from the sewer as possible. Provide 2" of rigid insulation meant for underground usage between the water main and any storm or sanitary sewer crossing where 24" cannot be maintained.

VI. ADJOURNMENT