**MINUTES OF THE *SPECIAL WORK SESSION***
***BOARD OF MAYOR AND ALDERMEN***
**FRANKLIN, TENNESSEE**
**CITY HALL BOARDROOM**
**TUESDAY, APRIL 2, 2013 – 4:00 P.M.**

**Board Members**

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| Mayor Ken Moore | P | | |
| Alderman Brandy Blanton | P | Alderman Margaret Martin | P |
| Alderman Clyde Barnhill | P | Alderman Dana McLendon, Vice Mayor | P |
| Alderman Pearl Bransford | P | Alderman Ann Petersen | P |
| Alderman Beverly Burger | P | Alderman Michael Skinner | P |

**Department Directors/Staff**

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|---|---|---|---|
| Eric Stuckey, City Administrator | P | Lisa Clayton, Parks Director | |
| Vernon Gerth, ACA Community & Economic Dev. | P | Shirley Harmon, HR Director | |
| Russell Truell, ACA Finance & Administration | P | Mark Hilty, Water Management Director | P |
| David Parker, CIP Executive/City Engineer | P | Paul Holzen, Engineering Director | P |
| Shauna Billingsley, City Attorney | | Catherine Powers, Planning/Sustainability Director | |
| Rocky Garzarek, Fire Chief | | Joe York, Streets Director | |
| David Rahinsky, Police Chief | | Brad Wilson, Facilities Project Manager | |
| Fred Banner, MIT Director | | Dan Allen, Assistant Director Engineering | P |
| Chris Bridgewater, BNS Director | | Lanaii Benne, Assistant City Recorder | P |
| Becky Caldwell, Solid Waste Director | | Linda Fulwider, Board Recording Secretary | |

**1. Call to Order**

Mayor Ken Moore called the Work Session to order at 4.00 p.m.

**SPECIAL WORK SESSION DISCUSSION ITEMS**

Mayor Moore commented these studies are a continuation of the long range planning the City is doing to make sure infrastructure is in front of development. Eric Stuckey related they are looking to match up the Land Use Plans expected for the development in different areas of the City and look at how the drainage and sewer basins fit into that planning.

**2. Review of Sanitary Sewer Basin Studies**

**David Parker, City Engineer/CIP Executive**
**Mark Hilty, Water Management Director**

Mr. Parker noted there is a Resolution for each drainage basin study. The studies were performed by Smith Seckman Reid, Inc. Bo Butler and Paolo Fonda from SSR were present.

**West and Southwest No. 1 Drainage Basins**

The West Drainage Basin is located in the western sections of the City of Franklin's Urban Growth Boundary (UGB). The borders are roughly comprised of Old Carter's Creek Pike to the south, the Harpeth River to the north and east and the West Harpeth River to the west. For the purpose of this study the City has requested we include projections from the Southwest No. 1 Basin (SW 1) with the West Basin. SW 1 Basin is located directly south of the West Basin.

The West Basin is comprised of approximately 5,871 acres, of which 2,194 acres are undeveloped. There are currently 2,463 existing developed lots with approximately 2,953 additional lots approved. There is an additional 683,000 SF of office/retail space that is planned for this area. It is anticipated the population in the fully developed basin will reach 27,798 residents. The Southwest No. 1 Basin is comprised of approximately 2,537 acres, of which 812 acres are undeveloped. There are currently 70 existing developed lots in this basin. The fully developed basin's population is expected to be approximately 5,355 residents.

The West Basin is divided into six (6) distinct sub-basins based on natural drainage patterns. These sub-basins are classified as sub-basins 1, 2, 3, 4, 5, and 6 of the West Basin. As mentioned above, the West Basin area will also include flow from the Southwest No. 1 Basin. Sub-basins 1, 2, and 6 have sewer infrastructure in place. Sub-basins 1 and 2 flow by gravity to the Westhaven Pump Station located in Sub-basin 3. From the pump station the flows are then conveyed through a 14-inch force main to Franklin's Wastewater Treatment Plant (WWTP). Sub-basin 6 flows by gravity to the Founder's Pointe Pump Station. Sewage is then conveyed by the force main to an interceptor sewer along Del Rio Pike. The northern part of the West Basin and the entire Southwest No. 1 Basin do not presently offer gravity sewer service to residents.

Mr. Parker went into detail on how the study was done, the criteria, etc. Several questions on peak flows, daily flows, capacities, etc. were asked and answered by Mr. Parker and Mr. Hilty. There was some discussion on availability; however, it is premature to discuss that aspect at this point in the process.

They looked at three Options:

- Option 1 – Construct Pump Station South of Bluff
- Option 2 – Construct Pump Station North of Bluff
- Option 3 – Construct Pump Station @ Confluence of Rivers

Staff recommends Option 1. It is also the least costly.

**Mayes Creek Connector Routing**

The Mayes Creek Connector is a large diameter gravity interceptor that is anticipated to convey flow from the mouth of the Mayes Creek Drainage Basin then west along the Harpeth River through the Goose Creek Basin to the proposed location of the South Water Reclamation Facility. The Connector is intended to convey the total flow from Mayes Creek Basin as well as flow from sub-basins 5 and 5-A of the Goose Creek Basin. The Connector will terminate on the northern portion of an existing 184-acre City of Franklin-owned parcel that was purchased some years ago when it became available with the thought that it might be an appropriate location for a second treatment facility in the future. The line will initially connect to the existing Goose Creek pump station via the Simmons Ridge Sewer until such time as an additional sewage treatment option exists in the southern portion of the City. As the Mayes Creek and Goose Creek basins develop, the City should continue to evaluate the flows from this basin to confirm adequate capacity in the Goose Creek collection system to accommodate those flows.

The Mayes Creek Basin is comprised of approximately 9,850 acres located on the eastern edge of the City of Franklin Urban Growth Boundary.

**Mayes Creek Drainage Basin**

The Mayes Creek Drainage Basin is located on the eastern side of the City of Franklin, Tennessee. The northern boundary of the basin is a line that extends generally from the southern City limits of Brentwood and east to the Burke Hollow Road Area. The eastern boundary of the basin is, generally, a northeast to southwest line that follows the ridge between Burke Hollow Road and Osburn Road towards the Millview Community area. The western boundary is a line that extends from near the intersection of Wilson Pike and Liberty Pike southwest to the Millview Community. The remainder of the southern boundary of the basin is the Harpeth River. The basin is generally located east of Interstate 65, with the major portion north of Murfreesboro Road. The basin is comprised of approximately 9,849 acres of which 7,563 acres are undeveloped. There are currently 1,277 existing

developed lots with approximately 250 additional lots approved. An additional 1,035 residential units, 75,000 SF of retail space, and 100 assisted living units are not approved by the City but planned for the basin. It is anticipated the population in the fully developed basin will reach 32,344 residents.

The basin is divided into 7 distinct sub-basins based on natural drainage patterns. Basin 6 is further divided by the current location of the Franklin UGB. Basins 1 through 5 lie totally within the current Franklin UGB and represent approximately 5,213 acres of the greater basin. Basin 6, divided by the current UGB, includes 381 acres inside the UGB and 1,144 acres outside the UGB. Basins 7A through 7F are located totally outside the Franklin UGB and include approximately 3,110 acres. With the exception of two subdivisions in the central portion and a few areas of scattered residential development, the basin is characterized by rural residential development and agricultural use. The northern part of the Mayes Creek Basin, specifically McKay's Mill and Breezeway subdivisions, currently offer sanitary gravity sewer service to residents. Those areas then pump to the Spencer Creek Drainage Basin by way of the South Prong of Spencer Creek Interceptor Sewer. The rest of the basin does not presently offer gravity sewer service. Small pockets of commercial development exist, but are not significant at this time.

**Watson Branch Drainage Basin**

The Watson Branch Drainage Basin is located in the middle section of Williamson County and centered on the Harpeth River. The borders are roughly comprised of Roper's Knob to the north, Winstead Hill to the south, Arno Road and Highway 96 to the east, the Harpeth River to the northwest, and Bowman Lane to the southwest. The Watson Branch Basin is comprised of approximately 8,118 acres, of which 695 acres are undeveloped. The existing development in this area can be characterized as high quality, low, medium and high density, medium to heavy retail, light industrial, and office space. There are currently 9,013 existing developed lots with approximately 1,521 additional lots approved. Existing and future office/retail space is expected to reach over 22 million square feet. It is anticipated the population in the fully developed basin will reach 27,337 residents.

The Watson Branch Basin is divided into twenty-four (24) sub-basins based on natural drainage patterns or existing sewer infrastructure. These sub-basins are classified as sub-basins 1-24. The majority of sub-basins drain by gravity to the Southeast Interceptor Sewer and Watson Branch Interceptor Sewer, with the exception of a section of McKay's Mill Subdivision located in Sub-basin No. 6. This subdivision is pumped into the Spencer Creek Drainage Basin. All other flows are conveyed by gravity sewers to the City's Wastewater Treatment Plant (WWTP) located just outside the northwest corner of the basin. For the purpose of this study, flows from McKay's Mill Pump Station No. 2 were included in the Watson Branch Drainage Basin.

Mr. Stuckey and Mr. Parker would like to get Resolutions 2013-19 and 2013-20 approved as soon as possible.

Alderman Petersen requested more information on funding for the big picture. Alderman Skinner asked for something more consistent for developers regarding septic systems and annexation.

**3. Other Business**

None

**ADJOURN**

Work Session adjourned @ 5:50 p.m.

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Dr. Ken Moore, Mayor

Minutes prepared by: Linda Fulwider, Board Recording Secretary, City Administrator's Office - 4/24/2013 10:24 AM