

## Status of Projects Affecting Former RWC#3

(Amended Exhibit C and Other Projects)

### Phase 1 – Items to be completed July 1, 2011 thru June 30, 2013

#### #1 – Hilltop Booster Pump Station

*Project Description:* Replace all piping in the vault of the lift station. Install second pump and refurbish electrical controls. Shown as Item 3a in Proposed Water Utilities General Capital Projects.

*Status:* **Completed 2012**

#### #2 – Various Locations

*Project Description:* Install flush/fire hydrants at locations to be determined by field operations personnel. Shown as Item 3b in Proposed Water Utilities General Capital Projects.

*Status:* **Completed 2013**

#### #3 – Country Club between 37<sup>th</sup> and 44<sup>th</sup> (map #01-31)

*Project Description:* Install 650 feet of 4" line. Shown as Item 3c in Proposed Water Utilities General Capital Projects.

*Status:* **Completed.** Phase 1 was completed in fall of 2016. Phase 2 was completed in winter of 2018.

#### #4 – Vicinity of 19<sup>th</sup> – Location TBD

*Project Description:* Install chlorine injection facility to boost chlorine residual in the system.

*Status:* *The City will address system wide chlorine residuals in its water quality study, currently in progress.*

#### #5 – OSU Plant

*Project Description:* Remove meter, abandon 3,000 feet of 10" line.

*Status:* **Completed 2009**

#### #6 – 44th and Country Club

*Project Description:* Install three cross-connections between parallel 4" pipes on 44th.

*Status:* **Completed 2011**

#### #11 – Hidden Oaks

*Project Description:* Install Booster Pump Station – 2 pumps, 3hp- at intersection of Hidden Oaks and 19th (annexed into the City Limits).

*Status:* **Completed temporary pump station located on Range Road serving Hidden Oaks and Boulder Creek. Water2040 improvements have addressed long term needs in this area. The pump station has been demolished as part of Water 2040.**

*#13 – Nottingham Tower and Pump Station*

*Project Description:* Add 20 feet to standpipe and build new pump station at Cottonwood and 19<sup>th</sup>, 2 pumps – 200 GPM at 100ft of head (approx. 10hp).

*Status:* **The 44<sup>th</sup> Tower and Range BPS replaced Nottingham Tower and Pump Station in Spring, 2019. Nottingham Tower and pump station have been demolished.**

**#14 – Karsten Area**

**Project Description:** Extend waterline to Fire Academy to improve water quality – Install 400 feet of 6” line. Shown as Item 3f in Proposed Water Utilities General Capital Projects.

**Status:** The City will look at the system requirements in this area in its water quality study, currently in progress.

**#17 – Bilyeu Tower**

**Project Description:** Take out of service and remove. Relocate to property on Vista Drive. Install 650 feet of 6” line to connect to system and altitude valve.

**Status:** **Bilyeu Tower has been taken out of service, and will be removed. Water pressure on Vista Lane has been addressed via Water2040 improvements.**

*#18 – Range Road Pump Station*

*Project Description:* Demolish

*Status:* **Completed 2009**

*#24 – School, Nottingham, Twin (2), Tan-Tar-A, Coyle Towers*

*Project Description:* Remove altitude valves or install bypass so that tank floats on system.

*Status:* **Completed 2012**

*#25 – Redlands Rd between SH51 and Lakeview*

*Project Description:* Cap off 2.5” near Redland/Airport, connect 2.5” going north to T of 4”/3”, move 5 individual services to 4”, move connects for 2.5” pipes on W 2nd and W Virginia to the 4” line. Shown as Item 3b in Proposed Water Utilities General Capital Projects.

*Status:* **Completed 2012**

**Phase 2 – Items to be completed July 1, 2011 thru June 30, 2015**

**#7 – Lakeview between Redlands and Cottonwood**

**Project Description:** Install ½ mile of 4” line on Lakeview to complete the loop.

**Status:** Delayed due to addition of higher priority projects (ODOT projects and Yost Pump Station and Yost Tower).

**#12 – Yost Booster Pump Station and School Tower**

Project Description: Relocate and rebuild the pump station. It continues to flood during heavy rains. Add 20 feet to School Tower standpipe.

Status: Project currently in design phase. Pump station will be constructed at WTP and a new elevated storage tank will replace School and Reisbeck Towers. **As an interim measure, staff have improved the pump station piping and enclosure to improve capacity and reliability and improved the grading to minimize flooding.**

*#27 – 19th between Range and Country Club*

*Project Description: Connect dead ends with 600 feet of 3" line, including a creek crossing and bore under the road, install a flush hydrant.*

*Status: **Completed 2010.** Abandoned approximately 1 mile of small diameter water line and made connections between the rural and municipal systems to eliminate the dead end.*

**#32 – Lakeview Rd between Country Club Rd and Range Rd**

Project Description: Install about 5,300 feet of 6" line to connect 8" line at Country Club Rd and 6" line at Range Rd.

Status: Delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower).

**Phase 3 – Items to be completed July 1, 2011 thru June 30, 2017**

**#8 – Sangre ½ mile north of 44<sup>th</sup>**

Project Description: Install master meter to City system and ½ mile of 6" pipe between meter and 44<sup>th</sup>.

Status: **Addressed by Water 2040 projects.**

**#9 – Karsten Road south of SH51**

Project Description: Install 130 feet of 6" pipe to loop 3".

Status: Delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower). To be addressed with the Karsten Area project (#14).

**#10 – Western between 56<sup>th</sup> and 44<sup>th</sup>**

*Project Description: Install 1,300 feet of 6" pipe to connect new tower at 56<sup>th</sup> to water line on Western.*

*Status: **Completed as 18" water line in 2016.***

**#15 – 44th and Country Club – Boersma Pump Station**

*Project Description: Add VFDs, controller and telemetry to Boersma Pump Station.*

*Status: **Replaced the entire pump station in 2012.** Note: Boersma Pump Station is currently offline has been demolished.*

#16 – White Tower

Project Description: Remove  
Status: **Completed 2017**

#19 – OSU Pump Station

Project Description: Take out of service, install 7,600 feet of 4" pipe connected to OSU Farm with existing 2.5" pipe on 44<sup>th</sup> between Hackelman Rd and Karsten Creek Rd.  
Status: Delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower).

#20 – Booster Pump Stations

Project Description: Connect to WTP SCADA system to monitor  
Status: SCADA was installed at Boersma and Yost Pump Stations in 2012. Boersma and Nottingham pump stations have been demolished because the new Range booster pump station and 44<sup>th</sup> Tower have replaced them. Karsten, Hilltop and OSU pump stations have been delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower). A future SCADA Master Plan is currently on the City's Capital project list and will address the SCADA needs for each site.

#21 – Eight Standpipes

Project Description: Install 8 foot security fence along perimeter of easement.  
Status: Tan-Tar-A, Coyle, and Reisbeck are complete. School standpipe will be replaced with the Yost Tower Project. The Twin Towers have been demolished and replaced by the 44<sup>th</sup> Tower. Bilyeu standpipe will be demolished. White tower was demolished in 2017. Nottingham Tower was demolished in 2020.

#22 – Eight Standpipes

Project Description: Add diffusers/mixing systems.  
Status: Mixing system installed at Tan-Tar-A Tower in 2017. Mixing system for Coyle Standpipe is delayed pending results at Tan-Tar-A Tower. Reisbeck and Bilyeu standpipes will be demolished. Yost standpipe will be replaced with the Yost Tower project, which will be designed with separate in/out feeds for effective mixing. Twin Towers were demolished and replaced by the new 44<sup>th</sup> Tower, which was constructed with separate in/out feeds for effective mixing. Nottingham Tower was demolished in 2020.

#23 – Eight Standpipes

Project Description: Connect to WTP SCADA system to monitor

Status: Coyle and Tan-Tar-A SCADA are delayed due to additional projects (ODOT Projects and Yost Pump Station and Yost Tower). Reisbeck and Bilyeu Standpipes will be demolished. Yost standpipe will be replaced with the Yost Tower project, which will be connected to SCADA. Twin Towers were demolished and replaced by the new 44<sup>th</sup> Tower in 2019. The 44<sup>th</sup> Tower is connected to SCADA. Nottingham Tower was demolished in 2020.

*#26 – Country Club Rd between 6th and McElroy*

*Project Description: Install 3,500 feet of 6” line between end of City line on Country Club and RWC #3 line north of creek.*

*Status: **Completed 2015***

*#28 – Woodlake Subdivision*

*Project Description: Install 350 feet of fusible PVC along the dam to cross the lake.*

*Status: **Completed 2012***

**#29 – Karsten Creek, Hilltop Pump Station**

**Project Description:** Install VFDs, controls and telemetry: add equipment to communicate with SCADA system at WTP.

**Status:** Karsten Creek Pump Station delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower).

**#30 – Tan-Tar-A Subdivision**

**Project Description:** Install 1200 feet of 4” pipe to complete a loop to the Tan-Tar-A Subdivision.

**Status:** Delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower).

**#31 – Range Rd, Lakeview to Airport**

**Project Description:** Connect dead end – Install 2900 feet of 6” pipe.

**Status:** Delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower).

## **Additional Projects**

*A – ODOT Project – Harrington Creek Crossing on S.H. 51 East Bound Lane*

*Project Description: The bridge was replaced by ODOT and the water lines had to be moved per design.*

*Status: **Completed 2012***

*B – ODOT Project – Range and McElroy Bridge Replacement*

*Project Description:* The bridge was replaced over Stillwater Creek and the intersection realigned by ODOT, which required the existing rural water lines to be replaced.

*Status:* **Completed 2013**

#### C – Water2040 Program

*Project Description:* Upgrade the existing water systems (pumping, piping and storage) to improve service to municipal and rural system customers and allow for future development.

*Status:* Central Zone and 44<sup>th</sup> Ave. Water Towers are complete and in service. Range Pump Station and Water Transmission Line to 44<sup>th</sup> Tower are complete and in service. Western Road from 44<sup>th</sup> Ave. to Sangre Road and 32<sup>nd</sup> Ave. Water line was completed in Fall 2018. 32<sup>nd</sup> Ave. Pump Station and Water Transmission Line from 6<sup>th</sup> to 32<sup>nd</sup> were completed in Spring of 2021.

#### *D – Water2040 Program - Highway 51 and Country Club Road Water Pump Station and Transmission Water Line to Range Tower*

*Project Description:* New pump station needed to replace the existing below ground pump station at the corner of Country Club Road and HWY51.

*Status:* **Completed 2017**

#### *E – ODOT Project – Phase 2 of the Modification of Country Club Road between McElroy and Lakeview*

*Project Description:* Country Club Road was reconstructed by ODOT and the existing rural water main needed to be replaced.

*Status:* **Completed 2016**

#### *F – Hydrant Flushing Schedule*

*Project Description:* Monthly flushing schedule created and posted on City website for public view.

*Status:* **Completed 2016**