



## TriCo Regional Sewer Utility

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### **CAPITAL & CONSTRUCTION COMMITTEE MEETING**

Monday, October 12, 2020 at 5:00 P.M.

10701 N. College Ave, Suite A, Indianapolis, IN 46280

#### **AGENDA**

1. Public Comment
2. Capital Budget
3. Cured in Place Pipe (CIPP) Patches Quote
4. Carmel Clay Parks and Recreation Easement
5. Capital Project Updates
6. Other Business

Next Scheduled C&C Meeting: Monday, November 2, 2020 at 4:30 pm

CAPITAL BUDGET LAST UPDATED 10/6/2020

2.

## 2.

See project fact sheets for more information on individual projects

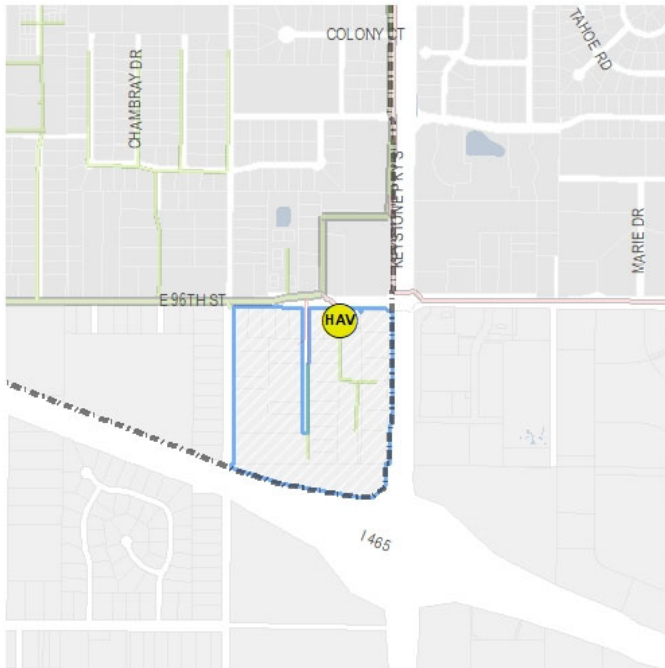
			Year 1		Year 2		Year 3		Year 4		Year 5							
Project Location	Project No.	Project	Near-term Priority	Year needed Earliest	Year needed Latest	Year Budgeted	Manager In Charge	Funding Source	2020 Budget	2020 Total Projected Spending	2021	2022	2023	2024	2025	Note	Change from 2020 Approved Capital Budget to 2021 Draft Capital Budget	
	2301	Interceptor extension & lift station elimination	Low	2019	2028	2023	WM	Interceptor					\$ 900,000			Timing is development driven.		
LS 22	North Augusta																	
		(no projects)																
LS 23	126th Street																	
	2303	LS 23 Pump & electrical upgrades	Low	2021	2023	2022	WM	Reserve for Replacement					\$ 400,000			Timing is based on when capacity is needed.	Project moved to 2023	
LS 24	Parkwood West																	
		Pump & control panel replacement	Low	2025	2028	2025	AS	Reserve for Replacement							\$ 100,000			
LS 25	Towne Oak Estates																	
		Pump replacement	Low	2029	2032	2029	AS	Reserve for Replacement										
LS 26	Jacksons Grant																	
	2206	LS 26 additional pumps, backup generator & parallel force main extension	Medium	2020	2022	2022	WM	Interceptor			\$ 100,000	\$ 1,900,000				Timing is based on when capacity is needed in the Spring Mill Interceptor and at LS 26.		
General collection system projects																		
		Annual Misc. Repairs, Replacements & Line Relocations	Medium			annual	AS	Reserve for Replacement	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	Repairs are made as problems are found during televising.		
	1908	Brandywine, Crossfields, Larkspur, Oak Tree, North Augusta and Lakewood Gardens Sewer Extension	High	2019	2019	2019	WM	Interceptor	\$ -	\$ 50,250						'19 neighborhood sewer project	Construction costs rolled from 2019 into '20	
	2003	Lakewood Gardens, Williams Creek Farms, Woodhaven and Timber Ridge Sewer Extension	High	2020	2020	2020	WM	Interceptor	\$ 300,000	\$ 400,000						'20 neighborhood sewer project	Add'l scope added to project no sewer more homes so bids came back higher	
	2103	Long Brook, Bridlewood, and Countrywood Sewer Extension	Medium	2021	2021	2021	WM	Interceptor			\$ 300,000					Final neighborhood sewer project anticipated in '21	Sewer extension project budget from 2020-2025 reduced by \$140,000	
		Future Sewer Extension Projects	Medium			annual	WM	Interceptor				\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	Extend service into unsewered areas	Future estate lot sewer extensions	
Equipment																		
		Vehicles	Medium			varies	DW	Operating				\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	Scheduled Replacement of Aging Vehicles	Increased annual budget	
		Laboratory Equipment	Medium			varies	SW	Reserve for Replacement	\$ 5,000	\$ 4,398			\$ 5,000		\$ 5,000	Replacement and Upgrades to Lab equipment		
		Future annual equipment and software purchases	Medium					Reserve for Replacement				\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	Annual capital purchases needed to maintain operations.	Increased annual budget to account for expanding list of staff requests	
		240, 480 Selectable portable Genset	Medium	2019	2023	2021	AS	Reserve for Replacement		\$ 3,596		\$ 66,000				Existing Generators are from 1985 & 1992		
		Lateral Push Camera	Medium	2021	2022	2021	AS	Reserve for Replacement			\$ 11,000					Replace existing camera, heavy use cross-bores	Added to budget	
		Vehicle - F-450 W/Utility Body	High	2021	2023	2021	AS	Operating			\$ 60,000					Trade-in 2 trucks for a specialty vehicle	Added to budget	
		SCADA Switch Upgrades	High	2021	2021	2021	SW	Reserve for Replacement			\$ 25,000					Replace existing switches with gigabit switches	Added to budget	
		Odor Loggers	Medium	2021	2021	2021	SW	Reserve for Replacement			\$ 5,000					New bluetooth odor loggers	Added to budget	
		HACH Laboratory Software	Medium	2021		2021	SW	Operating			\$ 40,000					Software to assit operations of the plant and lab	Added to budget	
		Air Monitor	High	2021	2021	2021	SW	Reserve for Replacement			\$ 5,000					Replacement air monitor for safety	Added to budget	
		Rack UPS Replacement	High	2021	2021	2021	SW	Reserve for Replacement			\$ 5,000					Replace the old rack UPS	Added to budget	
		Replacment NAS	High	2021	2021	2021	SW	Reserve for Replacement			\$ 12,000					Replacment NAS (POSM and security videos)	Added to budget	
		Redundant Firewall	Medium	2021	2021	2021	SW	Reserve for Replacement			\$ 5,000					A back up firewall for redundancy during updates or failures	Added to budget	
		New Garage Doors	Medium	2021		2023	SW	Reserve for Replacement					\$ 20,000			Replacment garage doors to repalce the 20+ year old doors.	Added to budget	
		Asset Management Software	High	2021	2022	2021-22	DW	Reserve for Replacement			\$ 50,000	\$ 50,000				Best in Class asset management software	Added to budget	
		inHance Billing System	High	2021		2021	CS	Operating			\$ 15,000					New billing software	Added to budget	
		FirstNET Lift Station Radios	High	2020	2020	2020	AS	Reserve for Replacement	\$ 19,000	\$ 20,377						Replace existing radios with FirstNET radios.		
		UV Module	Medium	2020	2020	2020	SW	Reserve for Replacement	\$ 15,000	\$ 14,754						A spare UV Module for stock.		
		Plant Radar Level Sensors	Medium	2019	2021	2020	SW	Reserve for Replacement	\$ 12,000	\$ -						Units will replace the existing pressure transducers.		
		Hand Held Sludge Blanket Sensor	Medium	2019	2020	2020	SW	Operating	\$ 8,000	\$ 7,483						Two hand held sludge blanket sensors.		
		Plant Fiber Optic Cable Mapping	Medium	2020	2020	2020	SW	Operating	\$ 25,000	\$ 3,775						Map and correctly terminate the plant Fiber.		
		Office HV01 Replacement	High	2020	2020	2020	SW	Reserve for Replacement	\$ 35,000	\$ 30,844						Replacement for the DC01, FS01, HiperWeb, UMS servers and		
		Plant HV Replacement	High	2020	2020	2020	SW	Reserve for Replacement	\$ 20,000	\$ 16,177						Replacement for the SCADA, POSM & DC03 servers. All are		
		UTV/Skid Steer Combo	Medium	2019	2003	2020	SW	Reserve for Replacement	\$ 60,000	\$ -						This unit will replace both the Skid Steer and UTV; existing skid		
Administration Projects																		
		(no projects)																
									Totals	\$ 20,114,000	\$ 22,091,654	\$ 9,133,000	\$ 7,706,000	\$ 2,680,000	\$ 2,155,000	\$ 2,210,000		
									Bond Proceeds	\$ 11,940,000	\$ 15,200,000	\$ 7,000,000	\$ -	\$ -	\$ -	\$ -		
									Operating	\$ 2,483,000	\$ 2,391,258	\$ 590,000	\$ 1,805,000	\$ 180,000	\$ 180,000	\$ 180,000		
									Reserve for Replacement	\$ 616,000	\$ 700,146	\$ 593,000	\$ 1,801,000	\$ 650,000	\$ 225,000	\$ 1,980,000		
									Plant Expansion	\$ 2,300,000	\$ 2,050,000	\$ -	\$ -	\$ -	\$ -	\$ -		
									Interceptor	\$ 2,775,000	\$ 1,750,250	\$ 950,000	\$ 4,100,000	\$ 1,850,000	\$ 1,750,000	\$ 50,000		
									Total	\$ 20,114,000	\$ 22,091,654	\$ 9,133,000	\$ 7,706,000	\$ 2,680,000	\$ 2,155,000	\$ 2,210,000		

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Haver Way Sewer Improvements

**Project No. 1802**



Current Priority: High  
Estimated cost: \$650,000  
Funding Source: Interceptor Fund  
  
Last Updated: 10/6 /2020

### Description

Reconstruct existing privately owned gravity sewers and lift stations southwest of 96th and Keystone.

### Need

This project is per 2018 agreement with property owners, who will ultimately pay for most of the improvements. This project replaces two private lift stations and connected gravity sewers, providing property owners with reliable service and development opportunity.

### Current Status

Construction is underway

### Schedule

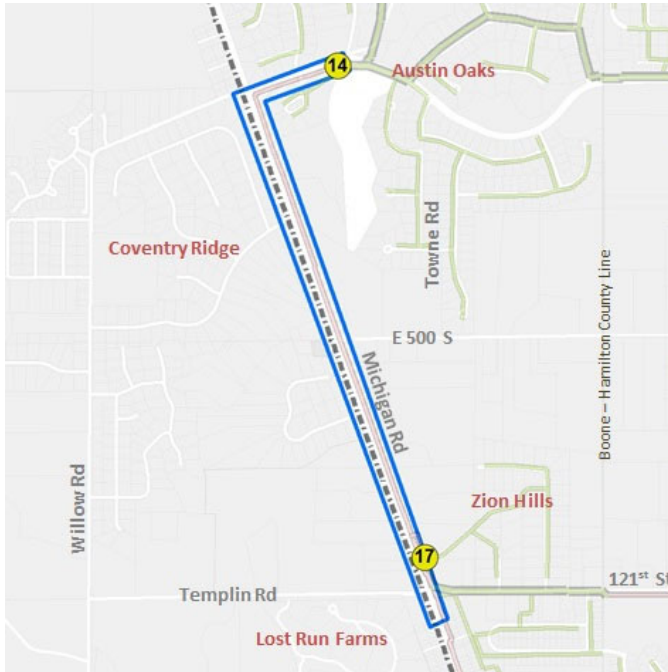
Construction complete by spring-2021

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Station 14 Parallel Forcemain

**Project No. 1901**



Current Priority: High

Estimated cost: \$925,000

Funding Source: Interceptor Fund

Last Updated: 10/6 /2020

### Description

This project includes construction of a new parallel force main from Lift Station 14 (Austin Oaks) to Lift Station 17 (Michigan Road/Greenfield Road).

### Need

Lift Station 14 is at capacity in wet weather. This project expands the lift station to build out capacity to 3.2 MGD.

### Current Status

Construction is nearly complete

### Schedule

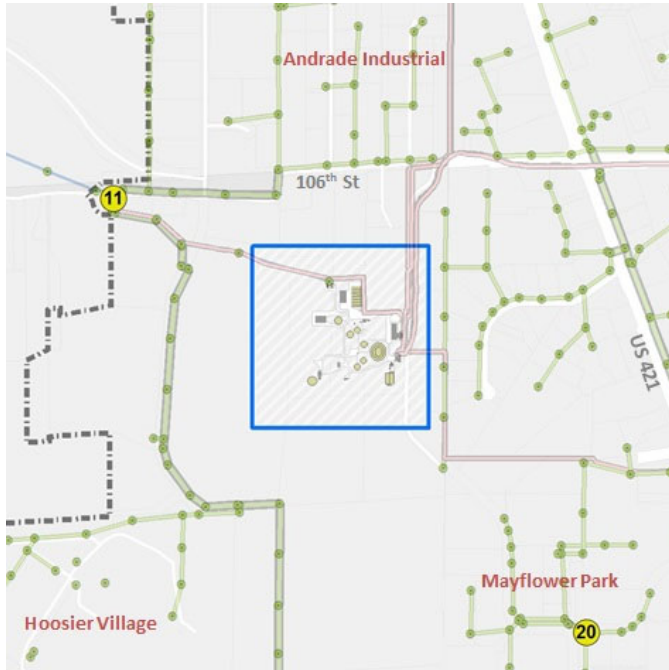
Construction will be complete fall-2020

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## TriCo WRRF Expansion

### Project No. 1902



Current Priority: High  
 Estimated cost: \$22,200,000  
 Funding Source: Plant Expansion, Operating,  
 Reserve for Replacement  
 Last Updated: 10/6 /2020

### Description

This project includes adding a third screen and flume to pretreatment, grit removal, 4 vertical loop reactors, up to 3 secondary clarifier, a third UV disinfection channel, and backup power upgrades.

### Need

Additional wet weather capacity is needed by 2021. Additional average daily flow capacity is needed by mid-2023. If 4 new VLRs are constructed plant capacity will be 5.6 MGD.

### Current Status

Construction is underway

### Schedule

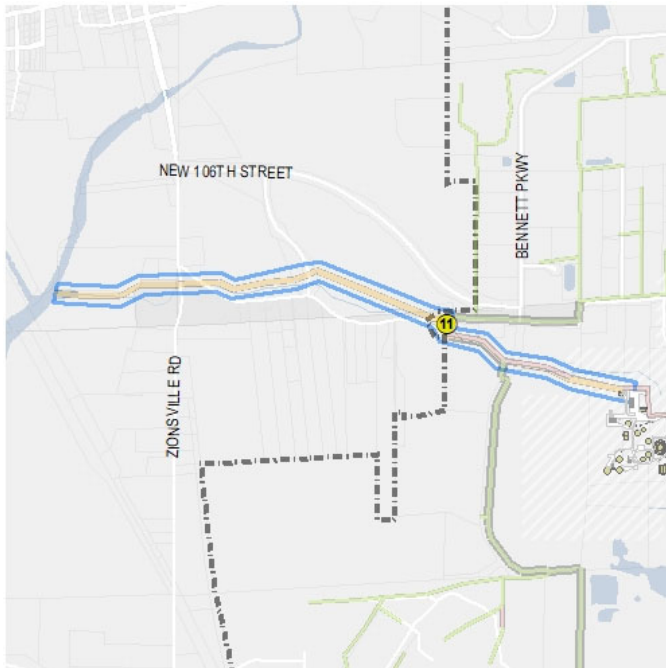
Construction will be complete summer-2021

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Michigan Road WWTP Outfall Sewer Expansion

**Project No. 1906**



Current Priority: High

Estimated cost: \$2,300,000

Funding Source: Plant Expansion Fund

Last Updated: 10/6 /2020

### Description

The outfall sewer carries treated effluent from the plant to Eagle Creek. A parallel gravity sewer will be run along this route, which generally follows Cemetery Creek.

### Need

The outfall sewer is at capacity in wet weather. This project will provide buildout wet weather capacity at 23 MGD. This project replaced #1701 which would have directed plant effluent to Cemetery Creek at a much lower cost.

### Current Status

Construction is underway

### Schedule

Construction complete by late-2020

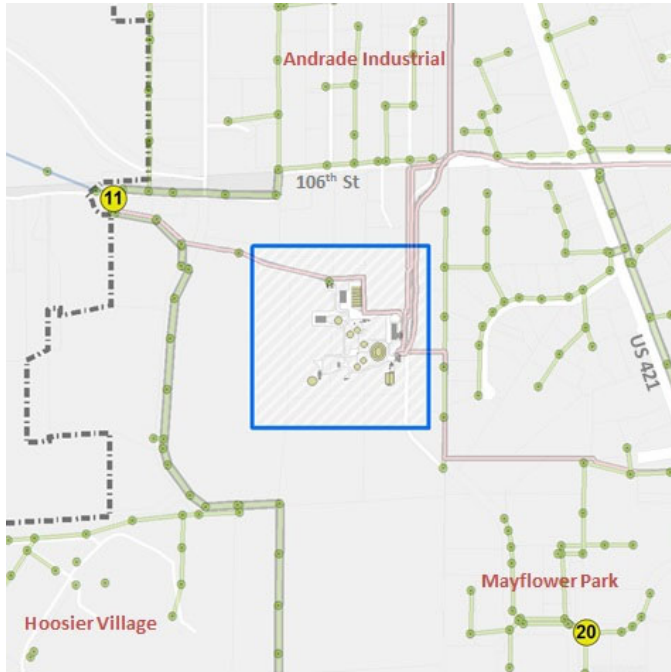


# TriCo Regional Sewer Utility Capital Project Fact Sheet



## WRRF Office Unification

### Project No. 1910



Current Priority: High  
Estimated cost: \$2,300,000  
Funding Source: Operating Fund

Last Updated: 10/6 /2020

### Description

Move all staff to the plant. Add on to plant office, convert part of shop to office, renovate existing office and shop.

### Need

Long-discussed plan to unite all staff under the same roof to improve efficiency and collaboration, replace aging building systems at the plant office, and reduce long-term operating costs.

### Current Status

Construction is underway.

### Schedule

Construction complete by November 2020

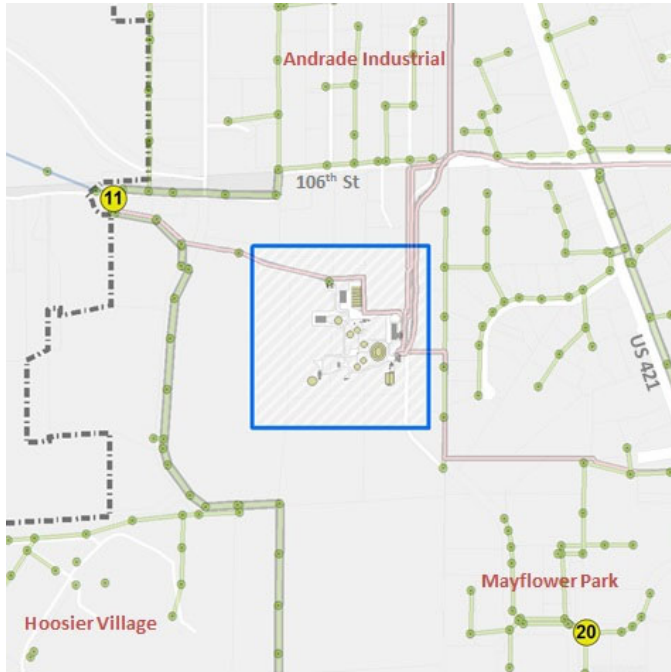


# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Station 11 Pump and Control Panel Replacement

**Project No. 1911**



**Current Priority:** High

**Estimated cost:** \$100,000

**Funding Source:** Reserve for Replacement

**Last Updated:** 10/6 /2020

### Description

Replace submersible pumps, control panel, electrical gear, discharge piping and valves.

### Need

Replace aging equipment at the end of its service life, and upsize pumps for buildout capacity.

### Current Status

Bidding

### Schedule

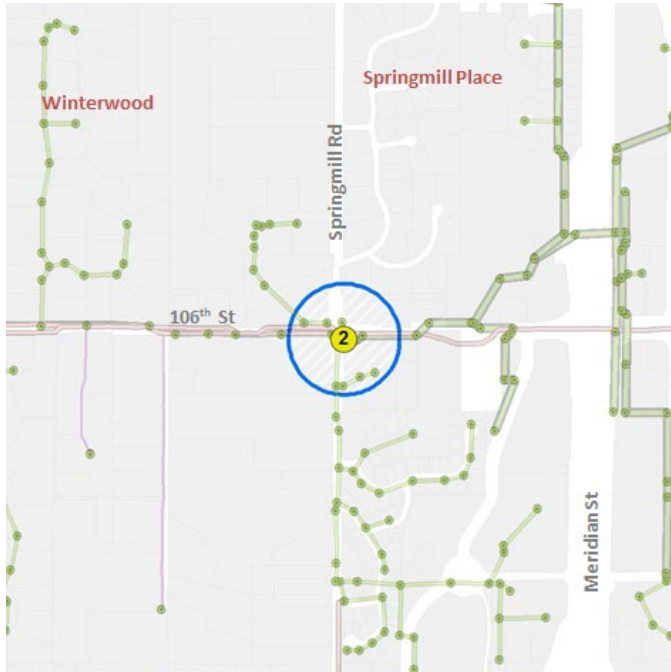
Installation and construction anticipated fall-2020; completion anticipated by the end of 2020.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Station 2 Odor Control System Replacement

**Project No. 2002**



**Current Priority:** High

**Estimated cost:** \$200,000

**Funding Source:** Reserve for Replacement

**Last Updated:** 10/6 /2020

### Description

Replace the existing activated carbon media odor control system.

### Need

The existing odor control system breaks down frequently and requires replacement of media every 3 months. Annual costs are at least \$30,000. Biological system will be much more reliable and media is expected to last 15 years or more.

### Current Status

Evaluating performance of media in existing system. Move project to 2020. May cancel.

### Schedule

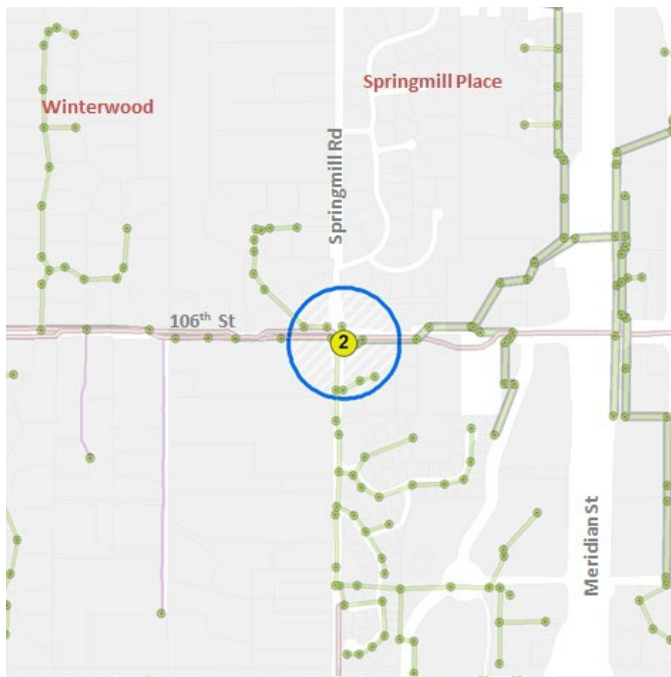
Staff will review available technologies. Design and bidding will be done in house. Installation anticipated in 2019.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lakewood Gardens, Williams Creek Farms, Woodhaven and Timber Ridge Sewer Extension

**Project No. 2003**



**Current Priority:** High

**Estimated cost:** \$300,000

**Funding Source:** Interceptor Fund

**Last Updated:** 10/6 /2020

### Description

Extend sewers to unsewered neighborhoods via low pressure.

### Need

Provide service to four unsewered neighborhoods where homeowners are requesting service due to failed or failing septic systems.

### Current Status

Construction is underway

### Schedule

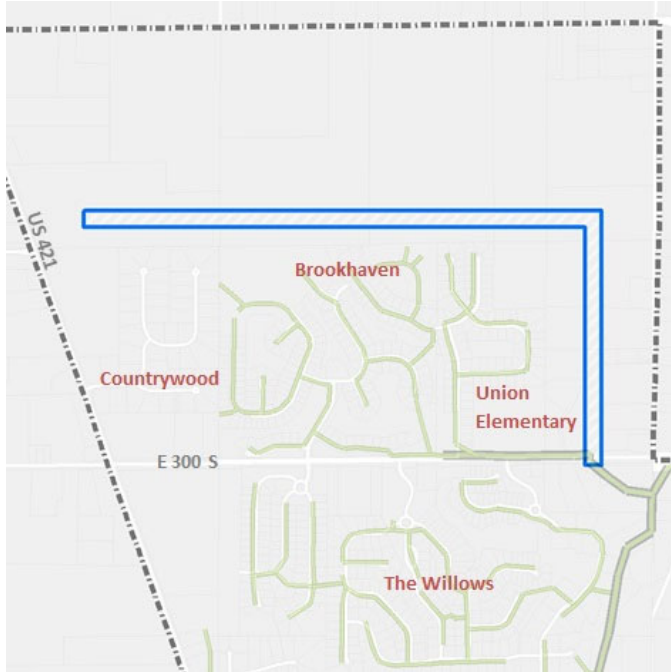
Construction will be complete fall-2020

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Little Eagle Creek Interceptor Extension

**Project No. 2101**



Current Priority: Medium  
Estimated cost: \$1,600,000  
Funding Source: Interceptor Fund

Last Updated: 10/6 /2020

### Description

This project includes extension of gravity sewers north of CR 300S/146th Street in the northwestern corner of the service area.

### Need

Extend sewer service to presently unsewered areas north of CR 300S in Union Township. Multiple requests have been received.

### Current Status

On hold

### Schedule

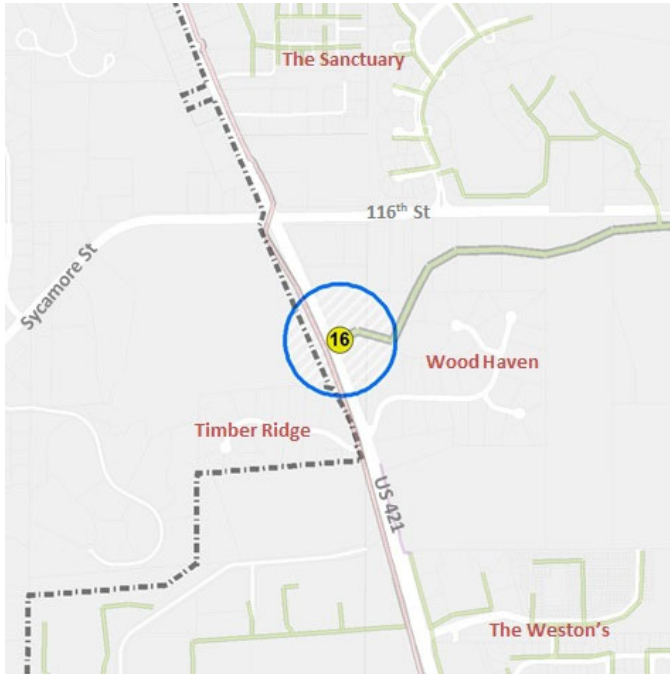
On hold until development moves forward.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Station 16 Reconstruction

**Project No. 2102**



Current Priority: Medium

Estimated cost: \$800,000

Funding Source: Operating Fund

Last Updated: 10/6 /2020

### Description

This project includes reconstructing the lift station on the west side of Michigan Road, south of Sycamore/116th Street.

### Need

This project will upsize Lift Station 16 for build-out flows and accommodate the proposed large development at Sycamore and Michigan Road.

### Current Status

On hold

### Schedule

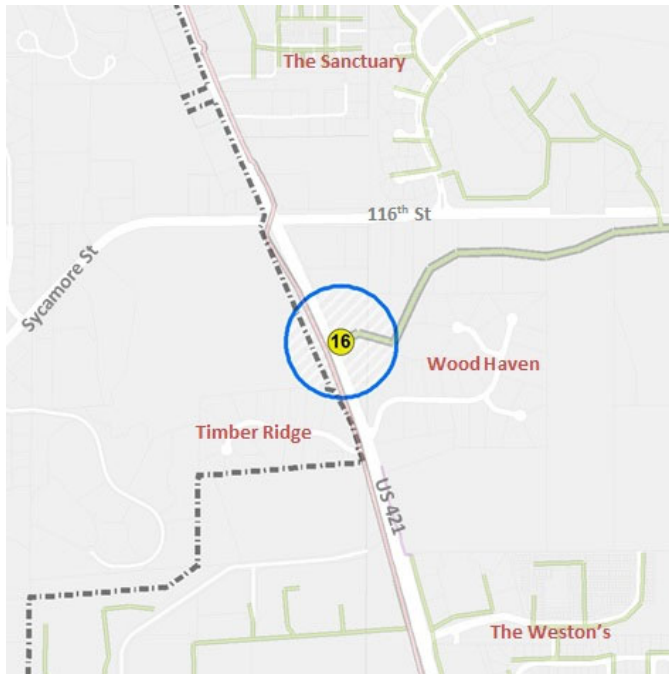
Design will begin when The Farm development moves forward. Anticipated construction completion 12 months after design commences.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Long Brook, Bridlewood, and Countrywood Sewer Extension

**Project No. 2103**



Current Priority: Medium  
Estimated cost: \$300,000  
Funding Source: Interceptor Fund

Last Updated: 10/6 /2020

### Description

Extend sewers to unsewered neighborhoods via low pressure.

### Need

Provide service to the last three unsewered neighborhoods in our service area where homeowners are requesting service due to failed or failing septic systems.

### Current Status

On hold

### Schedule

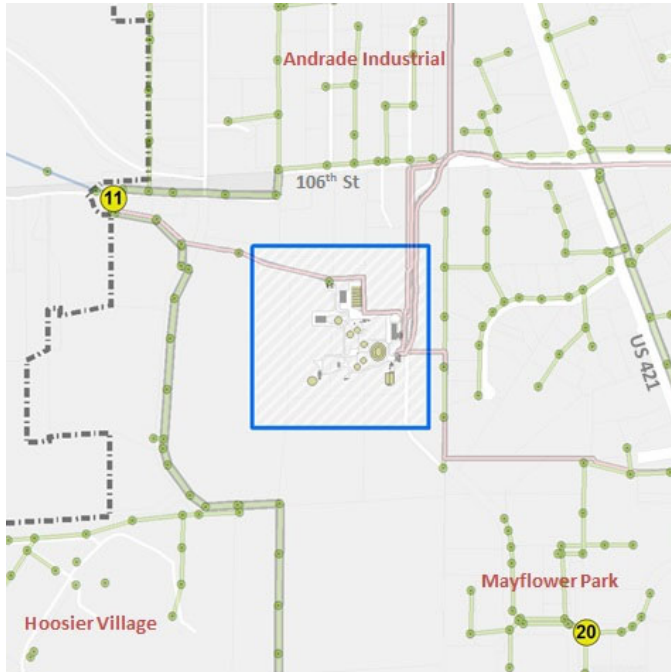
Begin design in spring-2021 and finish by fall.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Covered Company Vehicle Parking

**Project No. 2104**



Current Priority: Medium

Estimated cost: \$100,000

Funding Source: Operating Fund

Last Updated: 10/6 /2020

### Description

Add canopy structures to company vehicle parking lot at the plant.

### Need

Provide shelter for company vehicles & reduce staff time spent clearing snow and ice in winter months

### Current Status

Planning

### Schedule

Construction anticipated late 2020 or early 2021

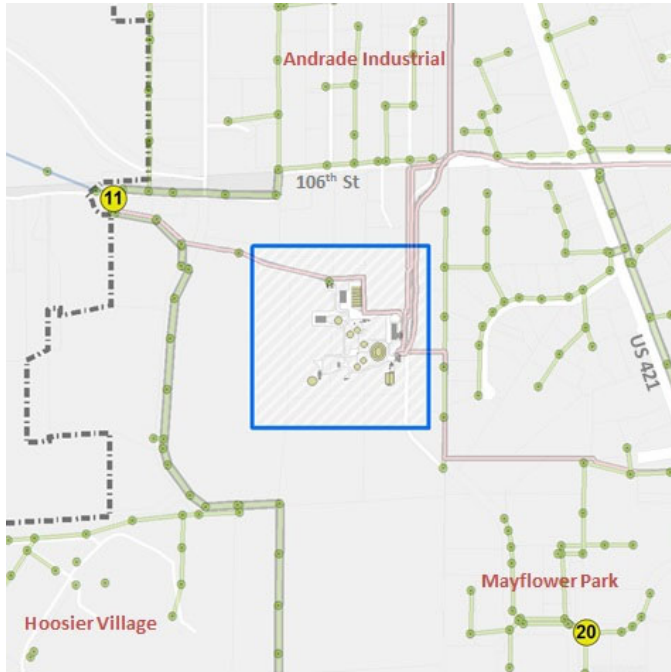


# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Biosolids Building Addition

**Project No. 2105**



Current Priority: High  
Estimated cost: \$150,000  
Funding Source: Operating Fund

Last Updated: 10/6 /2020

### Description

Add on 2 bays to the Biosolids Building

### Need

Provide climate controlled storage for the vactor truck, tools and equipment, and provide additional shop space for staff

### Current Status

Planning

### Schedule

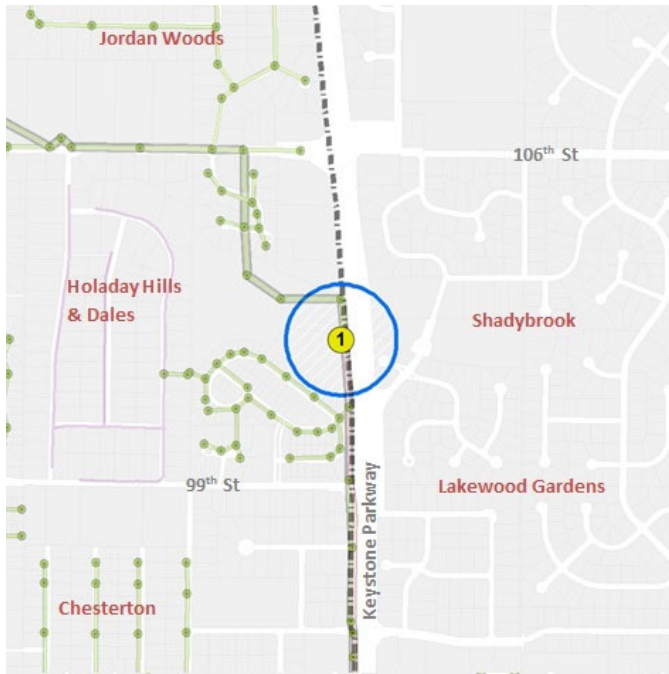
Construction anticipated late 2020 or early 2021

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Station 1 Wet Weather Pump Replacements

**Project No. 2201**



Current Priority: Medium

Estimated cost: \$500,000

Funding Source: Reserve for Replacement

Last Updated: 10/6 /2020

### Description

At Lift Station 1 (99th/Keystone), replace the two large 335 hp pumps, replace discharge piping, repair concrete deterioration in the wet well, and replace the emergency backup generator.

### Need

Large wet weather pumps and generator will be at the end of their service life.

### Current Status

On hold

### Schedule

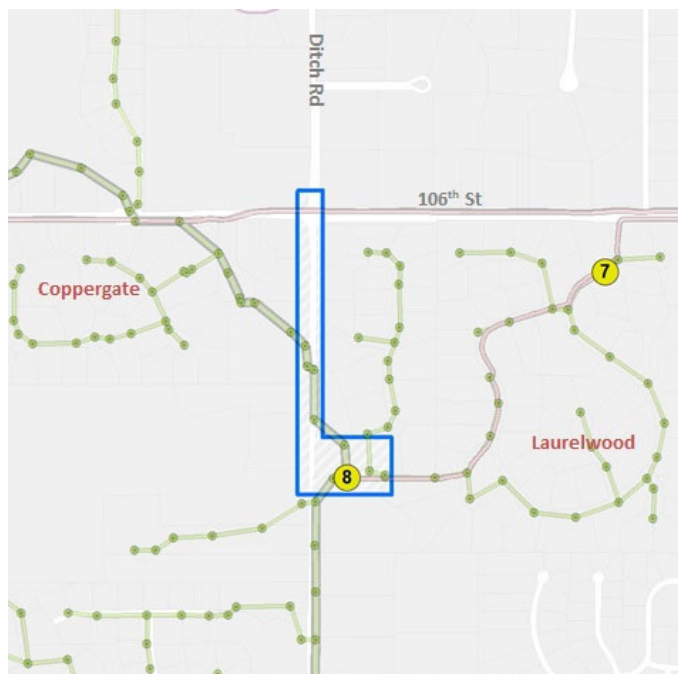
Anticipated in 2022.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Station 8 Replacement & Forcemain Extension

**Project No. 2202**



Current Priority: High

Estimated cost: \$1,625,000

Funding Source: Interceptor Fund

Last Updated: 10/6 /2020

### Description

This project includes upsizing pumps at Lift Station 8 (Ditch Road at Laurelwood) and constructing a new force main north to tie into the new force main manifold near 106th Street and Ditch Road.

### Need

This project is part of a multiple-phase plan to eliminate the need to send wet weather flows into Basin 1 and increase capacities at Lift Stations 2 & 8. It will significantly increase pumping capacity at Lift Station 8 and stop overflows during extreme wet weather.

### Current Status

On hold while staff identifies and corrects force main performance issues.

### Schedule

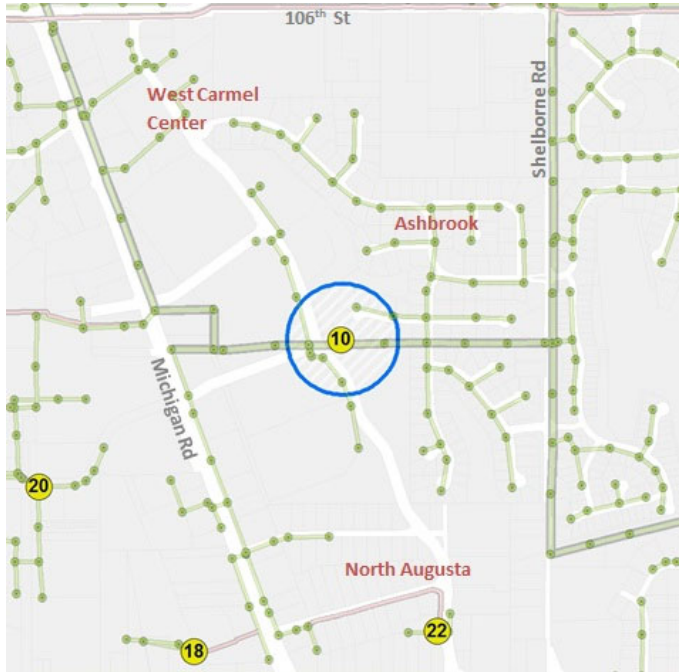
Begin design in 2021.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Station 10 Pump and Control Upgrades

**Project No. 2203**



Current Priority: High

Estimated cost: \$900,000

Funding Source: Reserve for Replacement

Last Updated: 10/6 /2020

### Description

This project includes upsizing existing pumps and adding additional pumps, as well as controls and electrical upgrades at Lift Station 10 (Ashbrook behind Kohls/Home Depot).

### Need

Submersible pumps are undersized and incapable of handling wet weather flows. Standby engine driven pump is used during extreme wet weather and is at capacity. There is no redundancy in extreme flows. Upgrades will be for buildout capacity of 3.7 MGD.

### Current Status

On hold while staff identifies and corrects force main performance issues.

### Schedule

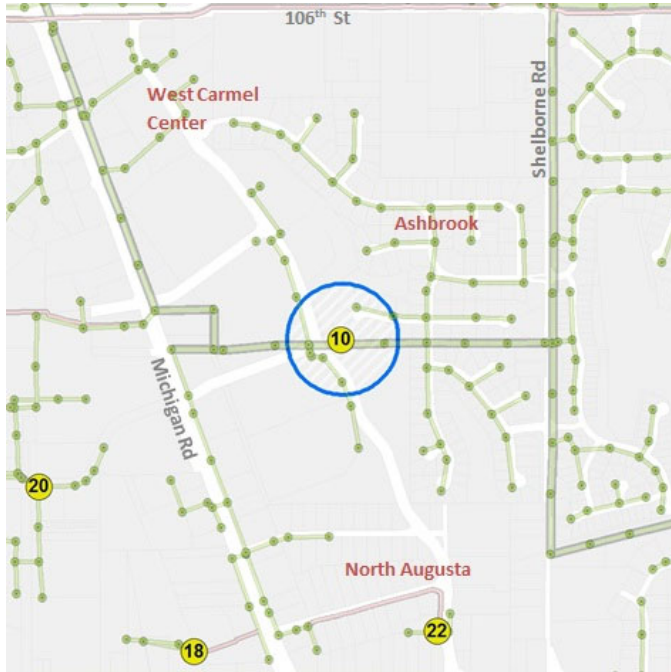
Begin design in 2021.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Station 11 Added Emergency Generator

**Project No. 2204**



Current Priority: Medium

Estimated cost: \$75,000

Funding Source: Operating Fund

Last Updated: 10/6 /2020

### Description

Add a generator to this lift station.

### Need

Location has occasional power outages with little storage and time for emergency response

### Current Status

On hold

### Schedule

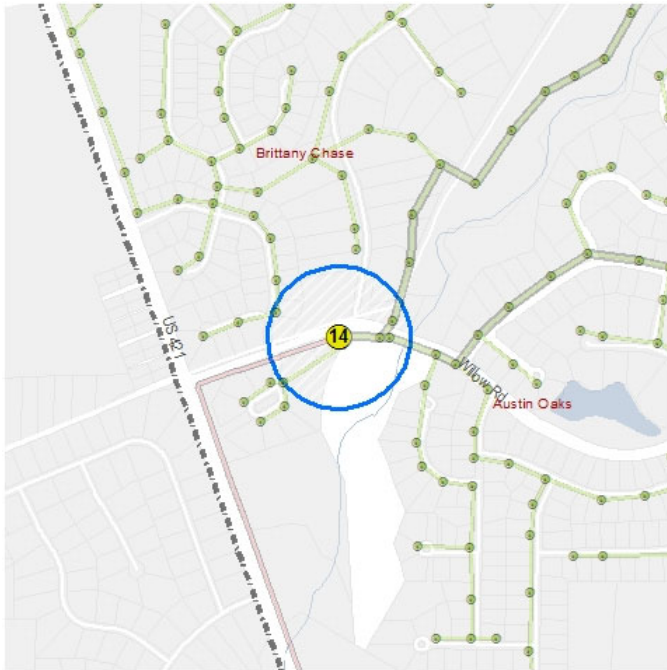
Anticipated in 2022.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Station 14 Generator Replacement

**Project No. 2205**



Current Priority: Medium  
Estimated cost: \$225,000  
Funding Source: Reserve for Replacement

Last Updated: 10/6 /2020

### Description

At Lift Station 14 (Austin Oaks) replace the emergency backup generator and upgrade controls.

### Need

Replace emergency generator which is at the end of its service life, upgrade the automatic transfer switch and aging controls, and add a motor operated valve to the new force main.

### Current Status

On hold

### Schedule

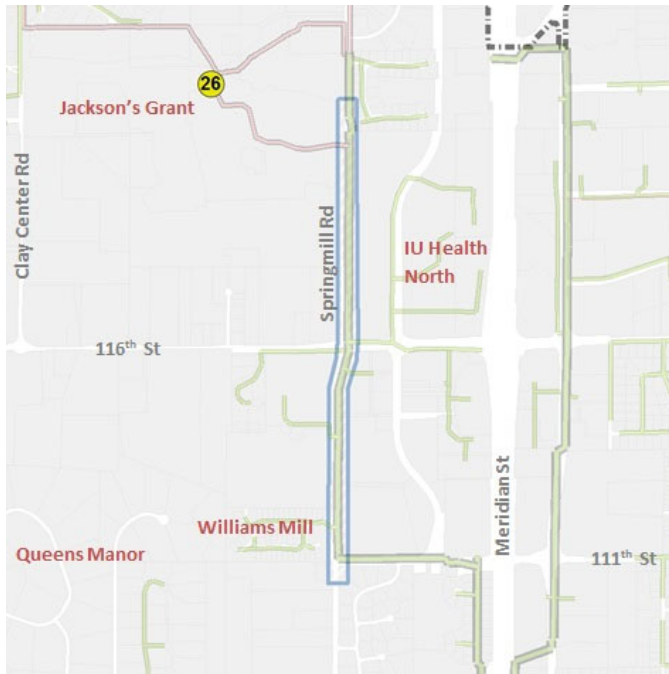
Anticipated in 2022.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## LS 26 Additional Pumps & Parallel Forcemain

**Project No. 2206**



Current Priority: High  
Estimated cost: \$2,000,000  
Funding Source: Operating Fund  
  
Last Updated: 10/6 /2020

### Description

This project includes the extension of the parallel force main along Springmill Road from Jackson's Grant to the new parallel interceptor at 111th Street.

### Need

This project provides buildout capacity for the northeast quarter of our service area including the Springmill Interceptor.

### Current Status

On hold

### Schedule

Anticipated to begin design in 2021 and construct in 2022 when additional capacity is needed.

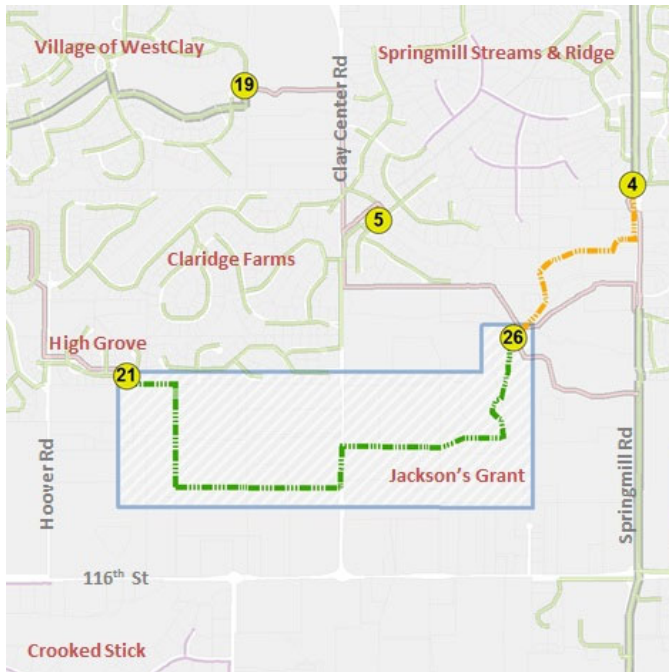


# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Station 21 Elimination

### Project No. 2301



Current Priority: Low

Estimated cost: \$900,000

Funding Source: Interceptor Fund

Last Updated: 10/6 /2020

### Description

This project includes extension of a new interceptor west from Jackson's Grant to the existing undeveloped and unsewered area west of Clay Center Road and north of 116th Street. Lift Station 21 (High Grove) will be eliminated. Sewers will be installed with new development.

### Need

Eliminates Lift Station 21.

### Current Status

On hold

### Schedule

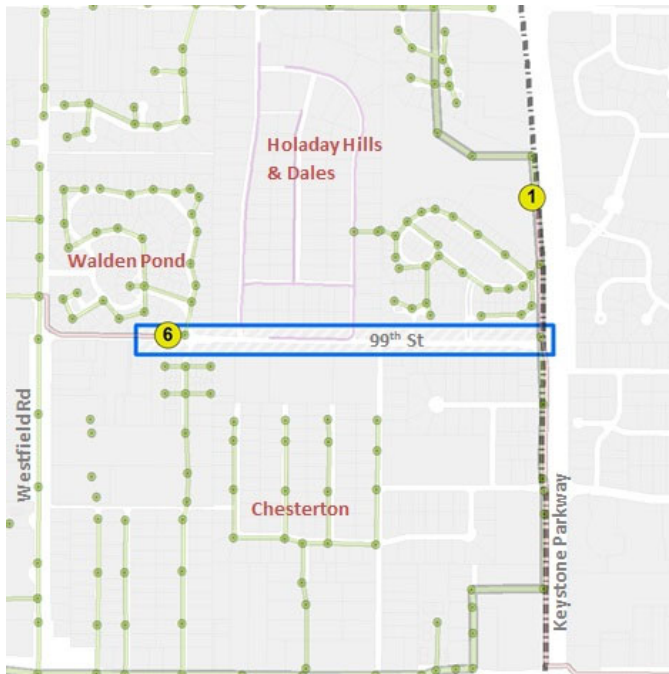
On hold until development in this area moves forward.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## 99th Street Interceptor & Lift Station 6 Elimination

**Project No. 2302**



Current Priority: Medium  
Estimated cost: \$950,000  
Funding Source: Interceptor Fund

Last Updated: 10/6 /2020

### Description

This project includes installation of gravity sewer from the Basin 1 Southern Interceptor near 99th and Keystone Avenue, west to Walden's Pond and the elimination of Lift Station 6.

### Need

This project will extend sewer service to unsewered properties and eliminate Lift Station 6.

### Current Status

Design is on hold.

### Schedule

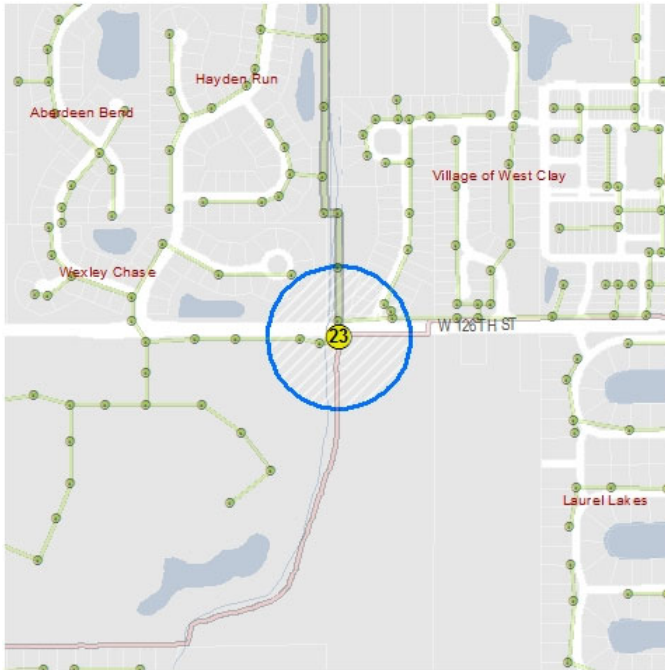
Proceed with design when development moves forward.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Station 23 Upgrades

**Project No. 2303**



Current Priority: Low

Estimated cost: \$400,000

Funding Source: Reserve for Replacement

Last Updated: 10/6 /2020

### Description

This project includes installing larger pumps, new controls and electrical equipment.

### Need

Provide buildout capacity at Lift Station 23.

### Current Status

On hold

### Schedule

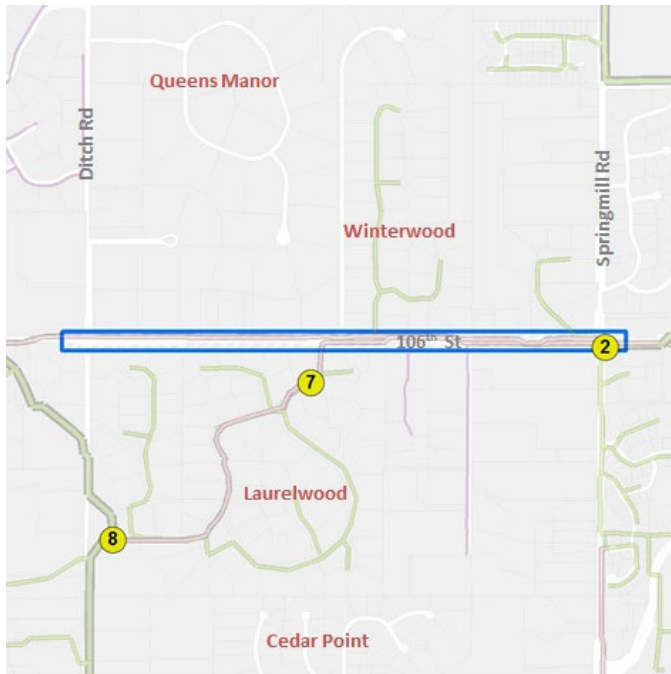
Anticipated in 2023 when additional capacity is needed.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Station 2 Parallel Forcemain (final phase)

**Project No. 2401**



Current Priority: Low

Estimated cost: \$1,700,000

Funding Source: Interceptor Fund

Last Updated: 10/6 /2020

### Description

This project includes construction of a third parallel force main along 106th Street from Lift Station 2 at Springmill Road to the new force main manifold at Ditch Road.

### Need

This project is the final component of a multiple-phase plan to eliminate the need to send wet weather flows into Basin 1 and increase capacities at Lift Stations 2 & 8. It will provide buildout capacity for Lift Station 2.

### Current Status

On hold

### Schedule

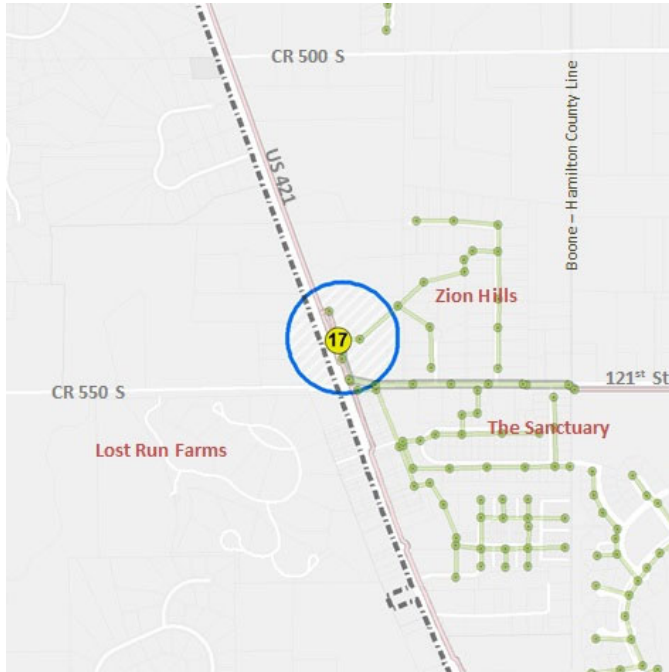
Anticipated in 2024 when capacity is needed.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Station 17 Upgrades

**Project No. 2501**



Current Priority: Low

Estimated cost: \$1,500,000

Funding Source: Reserve for Replacement

Last Updated: 10/6 /2020

### Description

This project includes installing larger pumps, new controls and electrical equipment at Lift Station 17 (Michigan Road/Greenfield Road).

### Need

Provide buildout capacity at Lift Station 17.

### Current Status

On hold

### Schedule

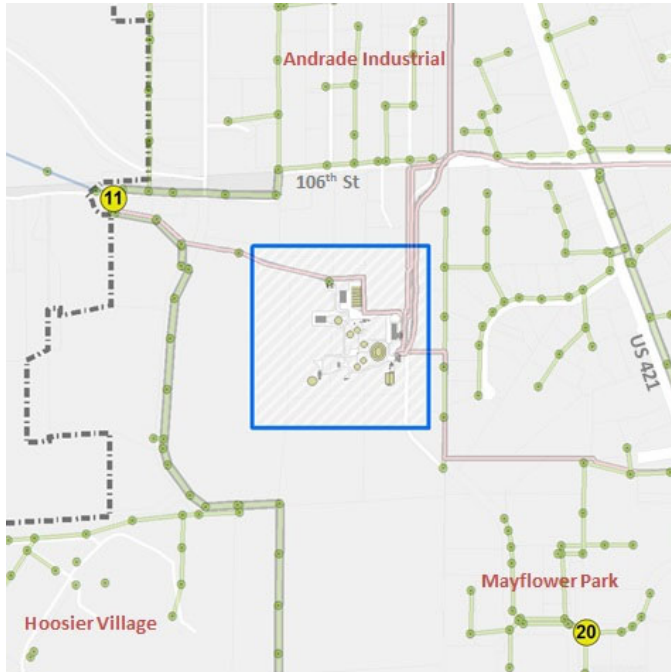
Anticipated in 2025 when additional capacity is needed.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## TriCo WRRF Belt Filter Press Replacement

**Project No. 2601**



Current Priority: Low

Estimated cost: \$2,250,000

Funding Source: Reserve for Replacement

Last Updated: 10/6 /2020

### Description

This project includes replacing the belt filter press.

### Need

Replace equipment that is at the end of its service life.

### Current Status

On hold

### Schedule

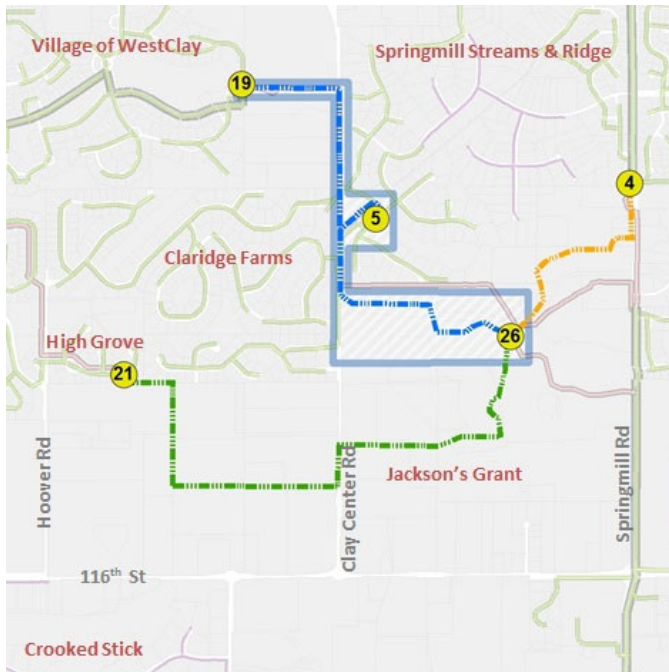
Begin design in 2025. Construction is anticipated 2026.

# TriCo Regional Sewer Utility Capital Project Fact Sheet



## Lift Stations 5 & 19 Elimination

### Project No. 2701



Current Priority: Low

Estimated cost: \$2,000,000

Funding Source: Interceptor Fund

Last Updated: 10/6 /2020

### Description

This project includes extension of the new gravity interceptor north from Jackson's Grant along Clay Center Road to Lift Station 5 (Springmill Streams) and Lift Station 19 (Village of West Clay), which will both be eliminated.

### Need

Eliminates Lift Stations 5 & 19 and extends service to unsewered properties.

### Current Status

On hold

### Schedule

On hold until development in this area moves forward.





## MEMORANDUM

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**To:** Capital and Construction Committee

**From:** Aaron Strong

**Date:** October 5, 2020

**Subject:** Cured in Place Pipe (CIPP) Patches

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The following quotes were received to install Cured in Place Pipe (CIPP) patches:

BLD Services LLC	\$61,250
Nuflow Indy	No Quote
Granite Inliner	No Quote

The locations being repaired were identified during the televising initiative utilizing both our mainline and lateral launch cameras.

The work quoted includes the structural re-construction of 4 inch and 6 inch diameter service laterals in order to create a water tight connection to the main sewers that are up to 27-inch diameter. The use of CIPP enable the repairs to be made without excavation. The liner, made of a resin impregnated, flexible, non-woven felt, will be installed into the existing lateral connection utilizing a pressure apparatus positioned in the main pipe. Curing will be accomplished by use of ambient cure resin to create a hard, impermeable repair. When cured, the liner will have a watertight connection seal at the main pipe and extend over the length of the service lateral in a structural pipe-within-a-pipe manner.

Recommended Action: Recommend the Board approve all associated work and materials to install Cured in Place Pipe patches to BLD Services LLC in the amount of \$61,250.



## MEMORANDUM

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**To:** Capital and Construction Committee

**From:** Wes Merkle

**Date:** October 8, 2020

**Subject:** Carmel Clay Parks and Recreation Easement

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The Carmel Clay Board of Parks and Recreation is acquiring the Bidgood property located at the southwest corner of 146<sup>th</sup> Street and Shelborne Road. Extending sanitary sewer service from existing infrastructure at Overbrook Farms to the proposed school on the Byrum property across 146<sup>th</sup> Street requires an easement across the Bidgood property. The Carmel Clay Board of Parks and Recreation has agreed to grant this easement. To accomplish this effort, TriCo's Board needs to adopt the attached resolution. The Carmel Clay Board of Parks and Recreation will adopt a similar resolution.

Recommended Action: Recommend the Board adopt Resolution 10-12-2020.

## **RESOLUTION NO. 10-12-2020**

### **RESOLUTION OF TRICO REGIONAL SEWER UTILITY AUTHORIZING ACCPETANCE OF THE CARMEL/CLAY BOARD OF PARKS AND RECREATION SANITARY SEWER EASEMENT**

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**WHEREAS**, Ind. Code §36-1-11-8 (the "Act") sets forth the procedures required for political subdivisions and their agencies to exchange specified property with other governmental entities; and

**WHEREAS**, the Act provides that a transfer or exchange of property may be made between governmental entities upon terms and conditions and for value as agreed upon by the entities as evidenced by adoption of a substantially identical resolution by each entity; and

**WHEREAS**, the TriCo Board desires to accept a perpetual sanitary sewer easement in the location depicted in Exhibit "A" attached hereto and incorporated herein in the form of the Sanitary Sewer Easement as attached hereto as Exhibit "B" if granted by the Carmel/Clay Board of Parks and Recreation; and

**WHEREAS**, the Board desires to direct and empowers TriCo staff to cause for the recording of the signed easement upon receipt of the same in order to fully and finally accept the transfer.

#### **NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF THE TRICO REGIONAL SEWER UTILITY THAT:**

1. The foregoing Recitals are incorporated herein by this reference.
2. The Trico Board hereby accepts the Easement subject to execution and delivery of the same and compliance with the Act by the Carmel/Clay Board of Parks and Recreation including but not limited to adoption of a substantially similar resolution prior to closing.
3. All actions heretofore taken by the officers of the Board and staff of Trico Regional Sewer Utility to further the transfer of the Easement to the Utility pursuant to this Resolution are hereby ratified and confirmed in every way.
4. This Resolution shall be effective immediately upon its adoption.

Adopted and approved by the TriCo Regional Sewer Utility this \_\_\_\_ day of \_\_\_\_\_, 2020.

**TRICO REGIONAL SEWER UTILITY**

\_\_\_\_\_  
Carl Mills, President

\_\_\_\_\_  
Steve Pittman, Vice-President

\_\_\_\_\_  
Jane Merrill, Treasurer

\_\_\_\_\_  
Michael McDonald, Secretary

\_\_\_\_\_  
Jeff Hill

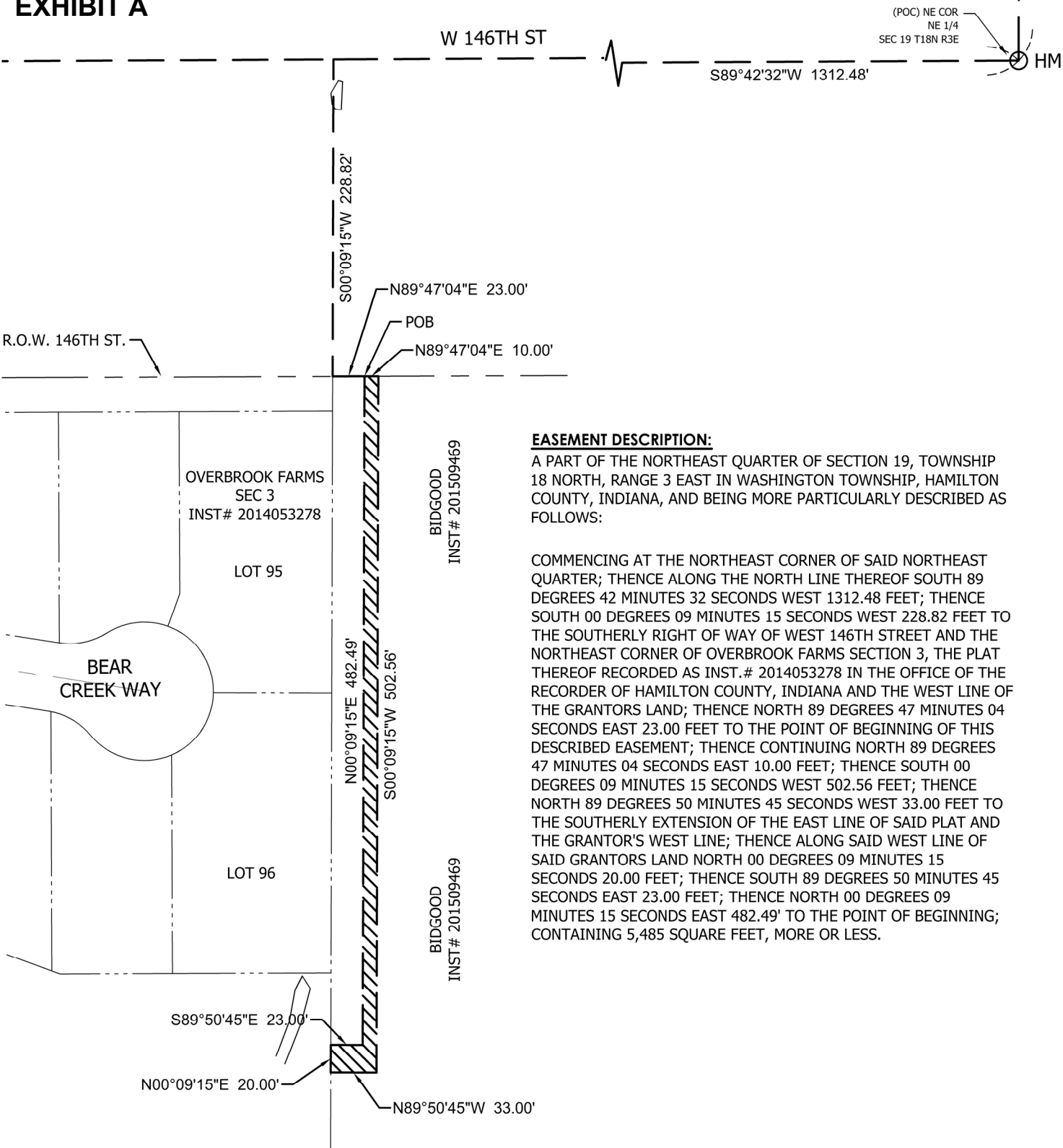
\_\_\_\_\_  
Eric Hand

\_\_\_\_\_  
Barb Lamb

\_\_\_\_\_  
Jeff Kimbell

\_\_\_\_\_  
Charles Ryerson

EXHIBIT A



**EASEMENT DESCRIPTION:**  
A PART OF THE NORTHEAST QUARTER OF SECTION 19, TOWNSHIP 18 NORTH, RANGE 3 EAST IN WASHINGTON TOWNSHIP, HAMILTON COUNTY, INDIANA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID NORTHEAST QUARTER; THENCE ALONG THE NORTH LINE THEREOF SOUTH 89 DEGREES 42 MINUTES 32 SECONDS WEST 1312.48 FEET; THENCE SOUTH 00 DEGREES 09 MINUTES 15 SECONDS WEST 228.82 FEET TO THE SOUTHERLY RIGHT OF WAY OF WEST 146TH STREET AND THE NORTHEAST CORNER OF OVERBROOK FARMS SECTION 3, THE PLAT THEREOF RECORDED AS INST.# 2014053278 IN THE OFFICE OF THE RECORDER OF HAMILTON COUNTY, INDIANA AND THE WEST LINE OF THE GRANTORS LAND; THENCE NORTH 89 DEGREES 47 MINUTES 04 SECONDS EAST 23.00 FEET TO THE POINT OF BEGINNING OF THIS DESCRIBED EASEMENT; THENCE CONTINUING NORTH 89 DEGREES 47 MINUTES 04 SECONDS EAST 10.00 FEET; THENCE SOUTH 00 DEGREES 09 MINUTES 15 SECONDS WEST 502.56 FEET; THENCE NORTH 89 DEGREES 50 MINUTES 45 SECONDS WEST 33.00 FEET TO THE SOUTHERLY EXTENSION OF THE EAST LINE OF SAID PLAT AND THE GRANTOR'S WEST LINE; THENCE ALONG SAID WEST LINE OF SAID GRANTORS LAND NORTH 00 DEGREES 09 MINUTES 15 SECONDS 20.00 FEET; THENCE SOUTH 89 DEGREES 50 MINUTES 45 SECONDS EAST 23.00 FEET; THENCE NORTH 00 DEGREES 09 MINUTES 15 SECONDS EAST 482.49' TO THE POINT OF BEGINNING; CONTAINING 5,485 SQUARE FEET, MORE OR LESS.

TERRY D. WRIGHT, PS  
INDIANA REGISTRATION # 9700013

"I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT I HAVE TAKEN REASONABLE CARE TO REDACT EACH SOCIAL SECURITY NUMBER IN THIS DOCUMENT, UNLESS REQUIRED BY LAW."  
TERRY D. WRIGHT

**HAMILTON  
DESIGNS**  
A LIMITED LIABILITY COMPANY  
PROFESSIONAL LIMITED LIABILITY COMPANY  
11988 Fishers Crossing Drive, Suite 154  
Fishers, Indiana 46038  
P. (317) 570-8800  
www.hamilton-designs.com

EXHIBIT:  
**SEWER EASEMENT**

PROJECT INFORMATION:  
**HIGHLANDS LATIN SCHOOL**  
HAMILTON COUNTY, IN



DATE:  
09/4/2020  
Project No.:  
2019-190  
Drawn By:  
JBK  
Checked By:  
TDW  
Scale:  
1" = 100'

## EXHIBIT B

## NON- EXCLUSIVE SANITARY SEWER EASEMENT

THIS INDENTURE WITNESSETH that: \_\_\_\_\_, of \_\_\_\_\_ County, State of Indiana (hereinafter called "Grantor"), for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, does hereby grant, sell and convey to the Clay Township Regional Waste District, a regional sewer district duly organized and existing under the laws of the State of Indiana, (hereinafter called "Grantee"), a permanent non-exclusive easement and right-of-way to construct, operate, control, maintain, reconstruct, change the size of, repair and remove a pipeline or appurtenances to be used for the transmission of sewage along, under, through and across the Grantor land in \_\_\_\_\_ County, State of Indiana, which easement is more particularly described as follows, to-wit:

SEE ATTACHED EXHIBIT \_\_\_\_\_

Grantor shall not convey any further interest in said easement or right of way except to other public utilities for utility purposes.

Grantee will level the ground and reseed any areas that might be disturbed as a result of the construction of the sewer line or appurtenances, or as a result of any maintenance repairs that may be made to said sewer line or appurtenances hereafter. It is further agreed that any damage to any private drive, pipe, tile, fences or other property of the Grantor (other than trees, shrubs and ground cover) occasioned by the construction of said sewer line shall be repaired or replaced by the Grantee in as good or better condition as the same presently exists.

Grantee shall have the right of ingress and egress over and across the easements granted for purposes described herein. Whenever necessary or convenient, Grantee may haul across the easements granted herein such pipe and other materials as may be needed in the construction or maintenance of its pipeline.

Grantor shall have the right to fully use and enjoy the strip of land granted as a permanent easement except for such use as may impair, impede or unreasonably interfere with the exercise by Grantee of the rights granted herein. Grantor shall not construct or permit to be constructed any house, structure, or obstruction on or over or interfering with the construction, maintenance, or operation of any pipeline or appurtenance constructed pursuant to this instrument. Grantor further agrees that Grantor shall not change the grade of any such pipeline.

The grants, covenants and stipulations hereof shall extend to and be binding upon the respective heirs, successors and assigns of the parties.

Grantor covenants that Grantor is the owner of and has the right, title and capacity to grant the easement granted herein.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by Grantor.

Grantor \_\_\_\_\_  
Printed: \_\_\_\_\_

STATE OF \_\_\_\_\_ )  
 ) ss:

**EXHIBIT B**

COUNTY OF \_\_\_\_\_)

Before me, a Notary Public, in and for said County and State, personally appeared \_\_\_\_\_, who acknowledged the execution of the foregoing Non-Exclusive Sanitary Sewer Easement, and who, having been duly sworn, stated that any representations contained therein are true.

Witness my hand and Notarial Seal this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

Printed: \_\_\_\_\_

My Commission Expires: \_\_\_\_\_

I affirm under the penalties for perjury, that I have taken reasonable care to redact each social security number in the document, unless required by law. \_\_\_\_\_

Name





## MEMORANDUM

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**To:** Capital and Construction Committee

**From:** Wes Merkle

**Date:** October 6, 2020

**Subject:** Capital Project Updates

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The following updates are provided for ongoing capital projects. Please refer to the Capital Project Fact Sheets for background information on individual projects.

1. #1802 – Haver Way Sewer Improvements (located southwest of Keystone and 96<sup>th</sup> Street)

Work will begin shortly once materials and equipment are delivered to the site. While completion is due in Spring 2021.

2. #1901 – Lift Station 14 Parallel Force Main (located along Michigan Road from Austin Oaks to Ansley Park)

The new force main passed testing. Crews were delayed by material deliveries for new valves and piping improvements at Lift Station 14. Completion is anticipated later this October.

3. #1902 – TriCo WRRF Expansion

Clarifier 7 concrete work is complete. Crews are hydrostatic testing Clarifiers 7 and 8 and the mixed liquor splitter. Backfilling began for Clarifier 9. Six out of 14 VLR wall sections have now been poured. New process equipment, valves, and electrical gear continues to be delivered to the site. A concrete foundation for the generator was completed. Crews excavated for the grit structure and additions to the influent splitter. The pretreatment building footings were not built per plan, which will require additional work and modifications by Thieneman.

Over the next month crews will complete site work for the new office, continue construction of VLR walls, finish all three clarifiers and the mixed liquor splitter, begin construction of the new RAS-WAS building and scum pump station, and continue with the grit structure and influent splitter modifications. Crews continue to plan for bypassing all flows around the influent splitter, which will be a major undertaking and coordination with plant staff.

Overall, the work continues on schedule. Thieneman still expects to finish the project next summer which is several months ahead of the substantial completion deadline.

4. #1906 – Eagle Creek Outfall Sewer Expansion (located between TriCo WRRF and Eagle Creek to the west)

Crews have nearly completed directional drilling and boring/jacking operations for all three road crossings. Open cut installation work began at Eagle Creek and is heading eastward towards the plant. While completion is due in Spring 2021, the general contractor expects to finish the work by the end of this year.

5. #1910 – Office Unification

Multiple crews are completing numerous tasks as this project quickly approaches the finish line: painting, flooring, polished concrete, cabinets, countertops, plumbing fixtures, reception desk millwork, lighting, HVAC systems, fire and security alarms, exterior metal trim, caulking, exterior concrete, and exterior windows and doors. The new power feed, electric panels and transformers for the building are now in service. Interior windows and doors, patio pavers and a variety of interior finish work remains. Alderson continues to aim for completion by the end of October.

Thieneman installed new concrete curb, sidewalks, and storm sewers. The parking and drive areas will be paved shortly. Their site work will be complete mid-October. The landscaping contractor will be on site the second half of October.

Our IT vendor continued installing data lines in the new office space. Staff continues to work on a replacement HVAC system in the lab, security cameras, moving, and a long list of other services. Furnishings, blinds, and A/V equipment will be delivered and installed the last week of October.

6. #1911 – Lift Station 11 Pump and Control Panel Replacement

We are waiting for delivery of new pumps and variable frequency drives. ACE Technologies is modifying the control panel from decommissioned Lift Station 4 for reuse. Staff is coordinating electric service upgrades with Duke Energy. Quotes for installation of pumps, piping, and electrical equipment will be received this month.

7. #2001 – Little Eagle Creek Interceptor Extension

Staff continues to have discussions with developers and property owners to deliver sewer service. We plan to run design and construction concurrent with development just north of Brookhaven and Fieldstone. If the developer's project moves forward, staff will issue an RFP for engineering design services for our interceptor extension project.

8. #2002 – Lift Station 2 (106<sup>th</sup>/Spring Mill Road) Odor Control System Replacement

This fall staff will receive quotes for installation of the new odor control system. Equipment will be delivered by January and installed at that time.

9. #2003 – 2020 Neighborhood Sewer Extensions

This project will extend sewers to Williams Creek Farms, Woodhaven, Timber Ridge, and remaining parts of Lakewood Gardens. Crews have completed work in Lakewood Gardens and have moved on to Williams Creek Farms. Construction will last through fall. Staff sent sewer availability notifications to Lakewood Gardens residents.

10. Lift Station 1 Repairs

New generator delivery and installation are anticipated late fall. Staff is working with TriCo's property insurance carrier for reimbursement of expenses. Staff expects that TriCo will only be responsible for upsizing costs on the generator.