

**Hillsboro City Council Meeting
August 25, 2020**

The meeting was called to order at 7:00 pm.

Roll call was taken and those present were Acting Mayor Duncan and Commissioners Downs, Murphy and Robbins.

The "Pledge of Allegiance" was recited.

Minutes of the previous meeting were approved.

Commissioners' reports:

Commissioner Robbins read his reports for the street department and public property and they will be included in the minutes. Robbins asked citizens not to use newly poured sidewalks as their own art space. Robbins asked everyone to not tear up the road after it has been oil & chipped and don't get mad at the City workers for trying to better your roads.

Commissioner Murphy asked everyone to take care of the town the City is trying to get the town moving in the right general direction and everyone can help. Murphy said the City does not take a stance on political signs around town and the City will not censure free speech. Murphy asked everyone to be careful around town there is a lot of work going on to replace the ADA ramps and oil & chipping and wants everyone to guide accordingly. Murphy asked if the stripping was going to be done soon and he was told no one has heard and Commissioner Downs said they were aware school started and was suppose to get it done.

Acting Mayor Duncan said the Audit has been going on and should have an audit report soon and CTI will be donating banners soon for downtown. Duncan reminded everyone to complete their census.

Commissioner Downs said the ground water infiltration problems have been alimented after being discovered at a manhole to the South of the plant. Downs said since the repairs the amount going thru the plant has went down significantly. Downs said Hurst-Rosche will have information soon on the Helston Pl. project. Downs said they have taken out the sand beds and replaced them at the sewer plant. Downs said since there has been a hold up on pot holing on Huber Dr. he would suggest that Hurst-Rosche move forward with the design with the information that they have.

Community Planner Jonathan Weyer gave his report and it will be included in the minutes.

City Engineer was not present.

Public Comments:

Jamie Ross addressed the Council to create an Ordinance to allow operation of a bakery in a home if the amount to be made is kept under \$1,000. The Council told Ross they will look into the Ordinance called the cupcake law and see what needs to be done. Ross said she lives on Fern Hill and would like to do some baking out of her house to

keep costs down. Ross said if everything goes well she may open a bakery in the future.

Commissioner Downs addressed the Council on the flags again. Downs said he has visited every town in Montgomery County and they all have their flags up including at Veteran Memorials. Downs said it is time to put the flags up especially at the War Memorial. Downs asked the Council to raise the flags at the Veterans Memorial and Commissioner Robbins said he would talk to Commissioner Downs later.

Motion was made by Commissioner Murphy and seconded by Commissioner Duncan to approve a 5K race to be held at the Sports Complex on Saturday, August 29, 2020. Motion carried 4-0.

Woodard & Curran reported on the progress of the Wastewater Infrastructure and it will be included in the minutes.

Motion was made by Commissioner Robbins and seconded by Commissioner Murphy to adopt Resolution No. 2020-06 a Resolution authorizing an agreement between the City of Hillsboro and Paris Frozen Foods utilizing \$15,000 in business district funds. Motion carried 4-0.

Motion was made by Commissioner Robbins and seconded by Commissioner Murphy to approve paying Dunham Independent Inc. for administration and activity costs associated with DCEO / CDBG housing grant for a total of \$14,761. Motion carried 4-0.

Motion was made by Commissioner Robbins and seconded by Commissioner Downs to approve going into a closed session on 5 ILCS 120/2(C)(11) "possible litigation" and 5 ILCS 120/2(C)(23) "the operation by a municipality of a municipal utility" at 7:42 pm. Motion carried 4-0.

Roll call to go back into regular session at 8:12 pm with all Commissioners and Acting Mayor Duncan all present.

There was no action taken on possible litigation.

There was no action taken on the operation by a municipality of a municipal utility.

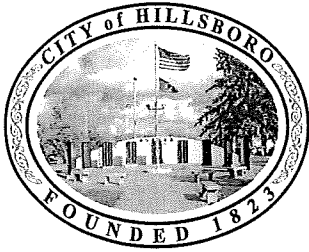
Motion to Adjourn was made at 8:12 pm by Commissioner Robbins and seconded by Commissioner Murphy. Motion carried 4-0.

Respectfully Submitted,
Cory M. Davidson, City Clerk

Parks & Public Properties Dept. Work Summary

Council Meeting Report-August 25, 2020

- Mowing, weed eating, and weed spraying in parks, public properties, and campground
- Worked at Glenn Shoals north access area prepping roads and parking lot for oil and chipping
- Burned brush and hauled dirt to steep ravines at Glenn Shoals north access area
Also, we tilled a large area and spread grass seed to incrementally move toward the area being useable park space
- Assisted the wastewater dept. with sanitary and storm sewer locations south of Summer St.
- Repaired door at City Hall
- Repaired irrigation system at Veterans Memorial
- Repaired playground equipment at Sports Complex
- Ordered new bench for playground area at Sports Complex
- All materials have arrived for repairs to stream bank at Central Park. Work will begin this week.
- Began taking down the backstop and dugouts at Central Park
- Installed 40' of 15" culvert pipe to extend to creek on North side of Wood St. bridge at Central Park and began to backfill
- Mower repairs and maintenance



CITY OF HILLSBORO

MONTGOMERY COUNTY, ILLINOIS

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Hillsboro, IL. 62049-0556
(217) 532-5566 • (217) 532-6615 • FAX (217) 532-5567

County Seat
Montgomery County

Established 1823

Hillsboro City Council
Regular Meeting, 7 p.m.
Second & Fourth Tuesdays

STREET DEPARTMENT

1. Picked up brush
2. Ran dura-patcher.
3. Picked up dead skunk on North St.
4. Oiled and chipped roads. Over half done with oiling.
5. Poured sidewalk on Rountree St.
6. Poured curb and gutter on Broad St.
7. Blacktopped
8. Mowed
9. Fixed valve box on Rountree St.

Brian Sullivan, Mayor

Katie Duncan, Commissioner Accounts & Finance, Michael Murphy, Commissioner Public Health & Safety

Don Downs, Commissioner of Public Utilities, Daniel Robbins, Commissioner of Streets & Public Property

Cory Davidson, City Clerk, Bonnie Hefley, City Treasurer

Community And Economic Planner Report, 8-25-2020

-Strategic Plan is up on the website and is being advertised on Facebook for public comment. As of tonight, there have been no submitted comments. Nancy is working on a mock up to see if we can fit in the established 500 dollar budget.

-Marketing website is getting closer to being finished. Tall order to capture the vibe of Hillsboro in a website, but we think we've got this nailed down. Hoping to launch after Labor Day. We will also be working a long term marketing strategy for the city that will include social media, contacting magazines, blogs and podcasts, and other possible social media influencers.

-Economic Development Plan writing and research as begun.

-Still a lot of movement on buildings, locations and businesses. Two possible businesses have contacted me in the last week, a dog grooming and a potential baker/restaurant.

-Monarch Park, our small park that the city built on property where we tore down a house, has been getting significant attention on social media. Everyone seems to love the idea and have asked if there will be anymore.

Respectfully Submitted,

Jonathan Weyer

Community and Economic Planner

City of Hillsboro, IL

Wastewater Infrastructure

Project Update

August 25, 2020

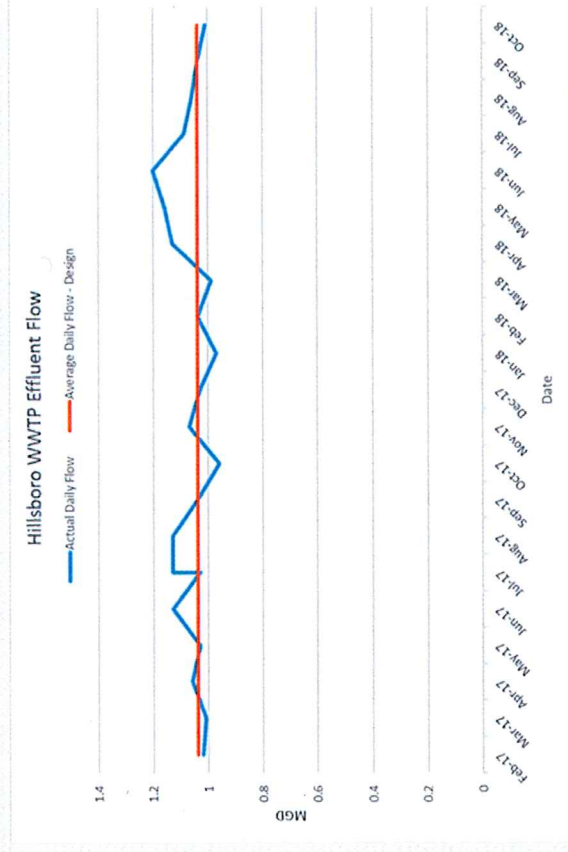


Agenda

- Permit Review
- Compliance Schedule
- Preliminary Engineering Report Recommendations
- Next Steps

Wastewater Permitting

- State of IL issued Phosphorus limits in new permit
 - Plant is unable to meet new discharge standards
 - Plant is at/over design hydraulic capacity





Compliance Summary

- Permit issued Nov 1, 2019
- W&C helped City negotiate an extended compliance schedule

Task	Compliance Date	Duration
Facility Plan/Alternatives Assessment	May 1, 2020	Complete
Begin Design	February 1, 2021	12 months
Construction Permit Application	February 1, 2022	6 months
Construction	August 1, 2022	21 months
Achieve compliance	May 1, 2024	
Total Time		4.5 years from permit

- Focusing on USDA for funding
 - USDA offers low interest 40-yr financing
 - Also offers grants could be 45%-75% of total project cost



Preliminary Engineering Report

- Issues that need to be addressed
 - Aging WWTP infrastructure at the end of useful life
 - Current treatment process was not set up for high level nutrient removal
 - Plant is at/over capacity

	Avg Dry Day (MGD)	Avg Wet Day (MGD)	Max Day (MGD)
Current design	1.0	1.5	3.1
Current flows	1.1	3.6	6.5
New design	N/A	3.7	6.7

Alternatives Evaluation

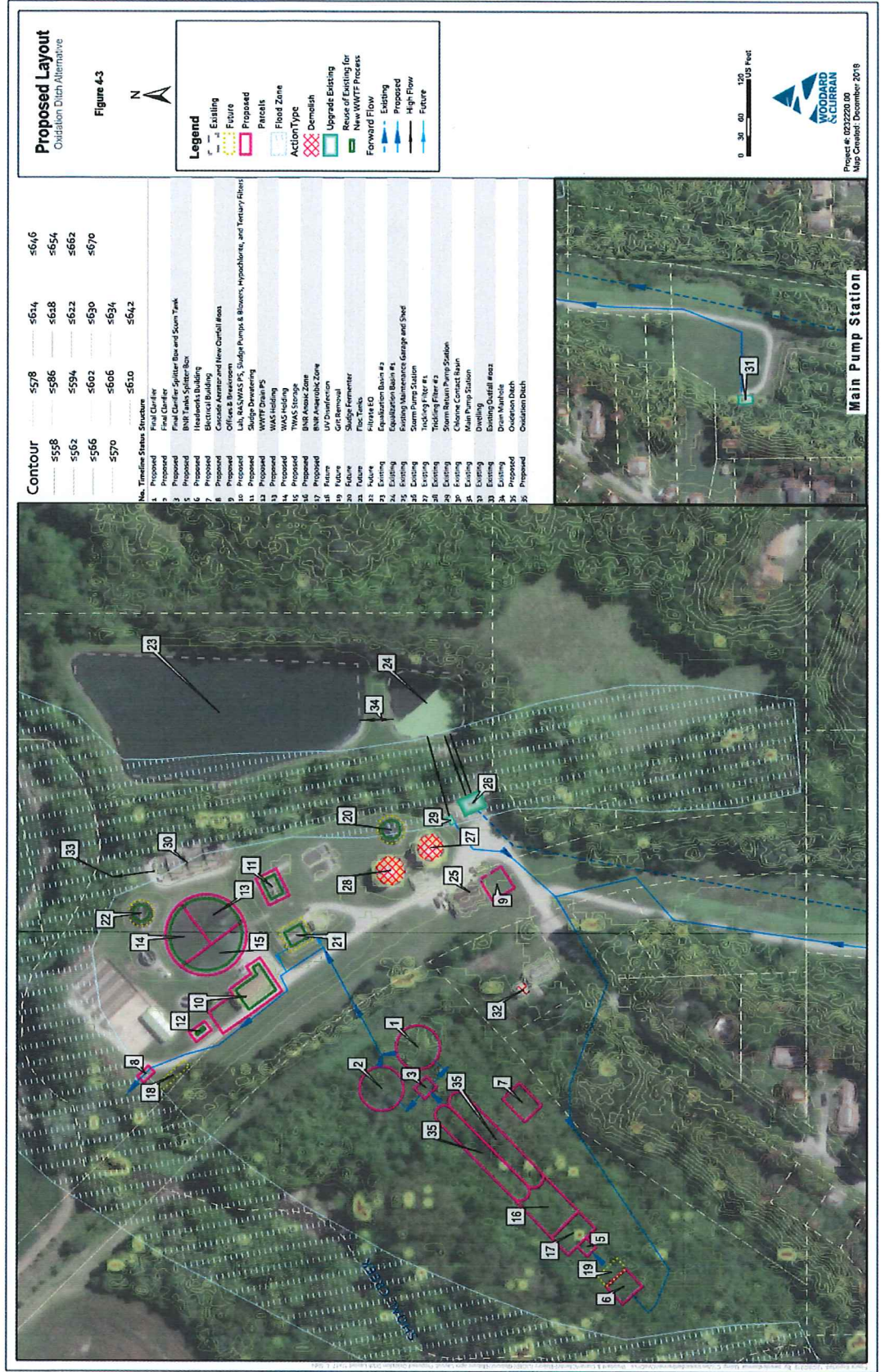
• 16 Alternatives narrowed to 3 for LCC Analysis

1. Do Nothing
2. Regionalization
3. Additional Equalization & Keep Existing Trickling Filter Biological Treatment System
4. Refurbish Existing Trickling Filter Biological Treatment System
5. **Activated Sludge (AS) with Biological Nutrient Removal (BNR) & Tertiary Filtration**
6. **Oxidation Ditch (OD) with BNR & Tertiary Filtration**
7. **Flow-Through Sequencing Batch Reactor (SBR) with BNR & Tertiary Filtration**
8. Membrane Bioreactor (MBR) with BNR
9. Integrated Fixed Film Activated Sludge (IFAS) with BNR & Tertiary Filtration
10. Moving Bed Biofilm Reactor (MBBR) with BNR & Tertiary Filtration
11. Batch-Type Sequencing Batch Reactor (SBR) with BNR & Tertiary Filtration
12. Enhanced Primary Treatment (EPT)
13. Bio-Mag® Ballasted Flocculation Process with BNR
14. Schreiber Continuously Sequencing Reactor™ with BNR & Tertiary Filtration
15. Batch-Type SBR With AquaNereda® Aerobic Granular Sludge (AGS)
16. Salsness Filter™ Enhanced Primary Treatment

LCC Item	A ² O	Oxidation Ditch	SBR
Initial Capital Cost {C}	\$ 35,470,000	\$ 34,914,000	\$ 34,062,000
Annual Replacement Cost {R}	\$ 16,000	\$ 15,000	\$ 37,000
Annual O&M Cost {O&M}	\$ 779,000	\$ 781,000	\$ 782,000
NPV Annual O&M Costs {R+O&M}	\$ 13,650,000	\$ 13,667,000	\$ 14,062,000
Salvage Value {S}	\$ (10,231,000)	\$ (10,361,000)	\$ (9,009,000)
NPV of Salvage Value	\$ (7,597,000)	\$ (7,693,000)	\$ (6,689,000)
Total Net Present Value LCC	\$ 41,523,000	\$ 40,888,000	\$ 41,435,000

Non-Monetary Evaluation Criteria	Biological Treatment Alternative		
	SBR	A ² O	OD
Process Complexity	0	0	+1
Process Upset Recovery	-1	-1	0
Staff Operational Experience	0	0	0
Energy Input	+1	-1	-1
Maintenance Requirements	-1	0	+1
Requires Well-Settling Organisms	0	0	0
Requires Additional Tertiary Filtration	0	0	0
Requires Secondary Clarifiers	+1	0	0
Construction & Maintaining Operations	0	0	0
Required Tank Construction & Complexity	+1	-1	-1
Process Reliability	0	+1	+1
Ability to Thicken Waste Sludge	0	0	0
Sludge Settling	0	0	0
Sludge Stability & Low Production	+1	+1	+1
Footprint & Tankage Required	+1	-1	-1
Amount of Mechanical Process Equipment	0	0	+1
Requires Influent Equalization	0	0	0
Established Design & Operating Parameters	0	+1	+1
Flexibility for Future Nutrient Removal	+1	+1	0
Historical Process Performance	0	+1	+1
Sampling & Process Control Requirements	0	0	0
Level of Automation Required	0	0	+1
Biological Aeration Energy Requirements	+1	0	0
Performance Under Load Fluctuations	-1	0	0
Sensitivity to Preliminary Treatment	0	0	0
Chemical Use Requirements	-1	+1	+1
Total Scoring	+3	+2	+6

Oxidation Ditch layout





Next Steps

- Next 6 months will be busy
- Received PER comments from USDA (minor clarifications)
- Next step with USDA - Invitation for Application
 - Binder full of forms and requirements
 - W&C can provide coordination (task order will come to council after invitation for application)
- Land Acquisition
- Next compliance deadline is Feb 1, 2021 – start of design

Questions?

Thank You!

Jennifer Anders, PE
Senior Principal
Woodard & Curran

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