HEBRON TOWN COUNCIL
HEBRON UTILITY REGULATORY COMMISSION
MINUTES OF JULY 18, 2023

The Hebron Town Council and Regulatory Commission meeting of July 18, 2023, was called to order by President John Spinks, Jr. at 7:00 p.m. In attendance were Councilmen Todd Adamczyk, Justin Albright, Kevin Joseph, Dave Peeler, and John Spinks, Jr.; Town Attorney Brett Galvan; MCO Representative Randy Decker; Park Board President Linda Brebner; Building Commissioner Brad Ludwig; Hebron Town Marshal Josh Noel; and Clerk-Treasurer Jamie Uzelac.

Following the Pledge of Allegiance, the following business was conducted.

Public Hearing – None

Utility Adjustments – 106 S. Adams – lawn watering
110 N. Washington – lawn watering
178 Park Place – lawn watering

President Spinks said that the utility adjustments submitted were for watering grass and last year the Council decided that this was not a viable reason for a sewer adjustment as we must pay back the bond. He noted that the adjustments are better used for pipe brakes or pool fills. He further noted that the residents were informed, and they have withdrawn their request for adjustment. Clerk-Treasurer Uzelac stated that residents don't always understand that an adjustment is not given in these cases and her office informs the residents that they can request an adjustment for Council consideration. She said that her office does not argue with residents.

Approval of Minutes

On motion of Councilman Albright, seconded by Councilman Joseph, and duly carried 5-0, the following minutes were approved as presented: June 10, 2023, Town Council and Utility Regulatory Commission meeting and July 11, 2023, Workshop meeting.

Docket

President Spinks read the docket totals for July 18, 2023: Total $898,203.91, Transfers $375,325.87, and Net $522,878.04. On motion of Councilman Adamczyk, seconded by Councilman Joseph, and duly carried 5-0, the docket was approved as presented.

Ordinances and Resolutions

Resolution 2023-07-18 – A Resolution for the Transfer of Appropriations for the Town of Hebron, Porter County, Indiana for the 2023 for the Action and Passage by the Hebron Town Council Pursuant to IC 6-1.1-18-6 – President Spinks read the first paragraph of Resolution 2023-07-18 and the transferred amounts. On motion of Councilman Peeler, seconded

by Councilman Albright, and duly carried 5-0, Resolution 2023-07-18 was passed and adopted. A copy of Resolution 2023-07-18 is attached to these minutes and made a part hereof.

Old Business

None

New Business

Taco Bell - President Spinks said the Council received a recommendation from the Plan Commission to change the approval process of the review of design fee. He said *that currently our Ordinance states $1,000, so what we want to do, because things have substantially gone up, we want to change that to the we receive three bids and take the lowest responsible bid.* On motion (said motion was not restated) of Councilman Albright, seconded by Councilman Joseph, and duly carried 5-0, this request was approved. Attorney Galvan said that the Ordinance will be amended to reflect this change.

Insight Payment - Clerk-Treasurer Uzelac stated that Mary Jane Thomas asked the Council to approve the Insight invoice of $13,319 now so that when the Town gets the OCRA grant the invoice can be paid from the grant without a delay. On motion Councilman Peeler, seconded by Councilman Albright, and duly carried 5-0, approval was given.

Officer Hawkins – Chief Josh Noel asked for payment approval of former Officer Hawkins for 14.5 days of major medical that were unpaid when he left the Town. On motion of Councilman Albright to approve the request, seconded by Councilman Adamczyk, and duly carried 5-0, this request was approved.

DEPARTMENT REPORTS

Public Works – The Public Works report is attached to these minutes and made a part hereof.

Mr. Decker reported that at bid opening from last Friday Milestone was the lowest bidder at $453,191.50. Mr. Decker asked for approval for the Notice to Proceed. On motion of Councilman Joseph, seconded by Councilman Peeler, and duly carried 5-0, the Council approved Milestone for paving.

HRC – Councilman Joseph there was no report as they did not meet.

Police Department – The Police Department report is attached to these minutes and made a part hereof.

Parks Department – President Linda Brebner reported that the Department is working with Public Works on the parks. The Department is supplying the material and Public Works is supplying the labor. Working on a list of projects for the Five-Year Plan.

Building Department – Building Commissioner Ludwig reported that NISPCO submitted a request to close a street between Jefferson and Adams for the placement of new poles. Taco Bell's has applied for a permit.

Attorney Report – No report.

Project Ribeye – Questions were asked by non-town residents. President Spinks said this project is a Porter County project not a Town project and any questions should be addressed by the Commissioners of Porter County.

Town Announcements – Clerk-Treasurer Uselac stated that at Clerk's school she learned that in 2025 all meetings will have to be live streamed.

President Spinks advised everyone in Town to sign up for Code Red.

President Spinks said that Councilman Peeler has served the Town for over fourteen year and that it will end tonight as Councilman Peeler has moved out of Town. President Spinks presented Councilman Peeler with a sign. Dave Peeler thanked the citizens of Hebron for allowing him to serve and he expressed his personal gratitude to Jamie Uzelac, Joanne Hansen, and Randy Decker noting that he will miss working with them.

There being nothing more before the Council, on motion of Councilman Peeler, seconded by Councilman Joseph, and duly carried 5-0, the meeting was adjourned.

Respectfully submitted,

Jamie Uzelac, Clerk-Treasurer

Approved:

John Spinks, Jr., President

RESOLUTION 2023-07-18

A RESOLUTION PROVIDING FOR THE TRANSFER OF APPROPRIATIONS FOR THE TOWN OF HEBRON, PORTER COUNTY, INDIANA
FOR THE 2023
FOR THE ACTION AND PASSAGE BY THE
HEBRON TOWN COUNCIL PURSUANT TO IC 6-1.1-18-6

Whereas certain extraordinary conditions have developed since the adoption of the existing annual budget for the year 2023, it is now necessary to transfer appropriations into different line items than were appropriated in the annual budget for the various functions of the department to meet the emergencies.

SECTION 1. BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF HEBRON, PORTER COUNTY, INDIANA, that for the expenses of the General Fund, the following appropriations are hereby transferred and set apart out of the funds hereinafter named for the purposes specified subject to the laws governing the same, such sums here in transferred unless otherwise stipulated by law.

Where it had been shown that existing appropriations have unobligated balances which will be available for transferring as follows:

General Fund

From	3451	General/Pol Equipment	$1,000.00
To	3291	General/Pol Official Uniforms	$1,000.00
From	3331	General/Pol Advertising	$ 55.13
To	3341	General/Liab Insu	$ 55.13
From	2363	General/Comp Maintenance	$ 700.00
To	2211	General/Town Bldg Comm Supp	$ 700.00
From	2421	General/Misc Paving	$5,000.00
To	2233	General/Town Maint&Supp	$5,000.00

SECTION . BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF HEBRON, PORTER COUNTY, INDIANA, that for the expenses of the MVH Fund, the following appropriations are hereby transferred and set apart out of the funds hereinafter named for the purposes specified subject to the laws governing the same, such sums here in transferred unless otherwise stipulated by law.

Where it had been shown that existing appropriations have unobligated balances which will be available for transferring as follows:

MVH Fund

From	1441	MVH/Patching Materials	$1,390.00

To 1370 MVH/Rentals $1,390.00

SECTION 3. BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF HEBRON, PORTER COUNTY, INDIANA, that for the expenses of the CEDIT Fund, the following appropriations are hereby transferred and set apart out of the funds hereinafter named for the purposes specified subject to the laws governing the same, such sums here in transferred unless otherwise stipulated by law.

Where it had been shown that existing appropriations have unobligated balances which will be available for transferring as follows:

Cedit Fund

From	1441	Cedit/Misc Imp	$ 776.16
To	8210	Cedit/Str Uniforms	$ 776.16

SECTION 4. Passed and adopted by the Town Council of the Town of Hebron, Porter County, Indiana on this 18th day of July 2023.

_____
John Spinks, President

_____
Kevin Joseph, Councilman

_____
Justin Albright, Councilman

_____
Dave Peeler, Councilman

_____
Todd Adamczyk, Councilman

Attest:

_____
Jamie Uzelac, Clerk Treasurer

MCO
Midwest Contract Operations

Town of Hebron
Report of Operations
Prepared By: Randy Decker
June 2023

WATER PLANT

- Peerless Midwest was onsite to inspect the wells and all 4 pumps. No issues were found.

WATER DISTRIBUTION

- Hydrants #150, #65 and #114 are out of service. These are Traverse City hydrants which are obsolete. As of now, the plan for funding to replace them will be to wait for grants.
- A section of water main will have to be lowered to complete the drainage portion of the CCMG.
- Hydrant painting will be completed soon.
- We had a water main break at the intersection of Aspen and Popular.
- We cannot find the water shut off at the 133 N. Main Apartments. They need the valve to shut off the water to repair a leaky valve. We had ME Simpson help look for it but was unsuccessful. We believe the line to be plastic and untraceable. The landlord is supposed to dig down at the foundation to see what direction the waterline is running. At this time, the landlord has not made any progress.
- Attached is the water tap inspection form.
- We are in the process of inventorying service lines for the new Lead Service Line Rule. We are pairing up with Abonmarche for a possible grant for funding from IFA (application attached).
- We continue to meet with the Army Corps of Engineers (USACE) regarding the Snake Flats water main replacement project. Wessler provided a rough draft of where the water lines will be placed.
- Wessler provided a print of Costin Drive. Ed Graham and Bob marked up the print and gave it back to Jon Borgers for final print.

WASTEWATER

- Attached is the sewer tap inspection form.
- Insight is in Town cleaning and televising the areas that will be lined.
- Two of the three digesters have been painted.
- Merriam Health Care's sewer line has been connected to the Town's system.
- Manhole inspections of all dead ends will continue as time allows.
- Coit is scheduled to take his Class II wastewater exam.

Storm Water

Old Business

- 309 S. Van Buren had a sinkhole which we televised with our camera. We found that it had a small hole in the top of the tile. This tile is roughly 12 ft. deep, so excavation is not an option. We will explore getting this section of the pipe lined. Insight did camera this section of pipe and did not find any defects.

New Business

- We were contacted by Matt Norris from RLM about a broken pipe behind their shop (pictures are attached). The ditch has washed away and caused a section of the pipe to come apart. We have contacted Bob Caufman to assist in repairing this.
- Abonmarche is near completion with the design of Norbeh's outlet of the Snake Flats.
- All of the retention ponds have been mowed as well as the Monroe easement.
- Trees were cut out of CC pond.
- Attached is the storm water tap inspection form.

Streets

- We contacted NIPSCO in regard to the gas meter on Alyea Parkway. They will install ballads for protection.
- CCMG bids are due on July 14, 2023.
- Alan Kosinski has turned in his resignation for August. He will stay until the Town fills this position.
- Street sweeping has been completed.
- New street signs are being installed as time allows.
- All street signs have been added to the Town's GIS.
- All street lights have been added to the Town's GIS.
- Truck #11 is in service. We are waiting on a different wiring harness from Terry's for the plow.
- Limb pickup has been completed for the month.
- The Work Order Monthly Report is attached.

Subdivision

- Wessler has the off-site water preliminary prints finished.
- We are waiting for a timeline to change out the Monroe Lift Station.
- Attached is the updated water and wastewater memo from Wessler for Windy Hill with projected timelines.
- Attached is a picture of a sinkhole at the intersection of Petry and Fry. They believe this was a result of the contractor digging the bore-pit too close to the road for the gas installation.
- The water line that was in conflict with the storm line has been moved, pressure tested and cleared Bac-t test.
- The meter was installed, and the water has been turned on at 446 Bricker.
- Phase I of Park Ridge sewer was televised.

Other Projects

- Project Ribeye
- 627 N Main Street
- Porter Starke Utilities
- Brookwood Phase III

COMPLETED WORK ORDERS
Water/Sewer – 47
Drainage – 2
Streets – 16
Locates – 46
Code Enforcement – 1
Parks – 6

COMP TIME
Robert Paajanen – 3.5
Dustin Lindsay – 5.25
Jami Norris – 20.25
Alan Kosinski – 12.25
Kevin Pierce – 8

AFTER HOUR CALLS – 4

AFTER HOUR CALLOUTS – 5

Town of Hebron - Operational Summary

Wastewater Treatment Plant - Influent

2023		Flow			BOD		TSS		Ammonia	
	Total Gallons	Max. Daily	Min. Daily	Monthly Avg.	mg/l	#'s	mg/l	#'s	mg/l	#'s
January	9,991,300	760,000	240,000	323,300	219	551.34	249	650.57	30.4	
February	14,361,200	1,990,000	250,000	512,900	240	1172.7	226	916.46	18.1	
March	18,860,090	1,200,000	370,000	608,390	224	930.68	165	708.3	10.81	
April	12,900,000	1,420,000	240,000	430,000	252	829.44	301	916.71	31.13	
May	7,580,120	360,000	200,000	244,520	242	486.02	296	594.66	32.60	
June										
July										
August										
September										
October										
November										
December										

Wastewater Treatment Plant - Effluent

2022	Total Gallons	Flow			BOD		TSS		Ammonia	
		Max. Daily	Min. Daily	Monthly Avg.	Monthly Avg.	% Removed	Monthly Avg.	% Removed	Monthly Avg.	% Removed
January	9,170,000	720,000	220,000	295,800	8.3	96.2	12.4	95	.207	99.3
February	13,060,000	1,740,000	230,000	466,400	8.3	96.5	14.1	93.8	.208	98.9
March	18,390,000	1,130,000	350,000	593,230	7.5	96.6	8.1	95.1	.215	98
April	13,270,000	1,370,000	220,000	442,233	3.9	98.4	11.8	96.1	.2	99.4
May	7,170,000	340,000	180,000	231,290	4.8	98.0	9.1	97.1	.2	99.4
June										
July										
August										
September										
October										
November										
December										

Water Treatment Plant

Month Ending	Total Monthly Flow	Maximum Daily Flow	Minimum Daily Flow	Average Daily Flow	Chlorine Usage (pounds.)
01/31/2023	6,135,880	243,640	174,130	204,529	84.8
02/28/2023	5,565,760	247,450	192,390	206,139	79.1
03/31/2023	6,207,370	240,820	191,320	206912	84.8
04/30/2023	6,649,870	302,370	197,150	229,306	85.7
05/31/2023	7,523,660	329,010	199,590	250,789	103.4
06/30/2023	7,556,070	338,040	209,250	260,554	98.8

TOWN OF
HEBRON
ESTABLISHED 1890
BUILDING DEPARTMENT
107 N. Main Street | P.O. Box 478 | Hebron, Indiana 46341

BRADFORD LADWIG
BUILDING COMMISSIONER
Office 219-996-4641
Fax 219-996-7494
EMAIL:
hebronbuilding@hebronindiana.org

TAP INSPECTION

INSPECTION DATE: _____ **PERMIT #** _____

APPLICATION: _____ **TYPE:** Stormwater Tap

PROPERTY LOCATION: _____

PROPERTY OWNER:

Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Work # _____ Cell # _____

GENERAL CONTRACTOR:

Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Work # _____ License # _____

SITE IMFORMATION:

Tap Size: _____ Pipe Size: _____ Pipe Type: _____
Pipe Length: _____ Clean Out: _____ Depth at Tap: _____

PRESSURE TEST:

Required: _____ Duration: _____ Test Result: _____

INSPECTION: APPROVED ☐ DENIED ☐

COMMENTS: _____

_____

_____

_____ _____
CONTRACTORS SIGNATURE **INSPECTORS SIGNATURE**

System Operator Initials _____

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EMAIL:
hebronbuilding@hebronindiana.org

TAP INSPECTION

INSPECTION DATE: _____ **PERMIT #** _____

APPLICATION: _____ **TYPE:** Sewer Tap

PROPERTY LOCATION: _____

PROPERTY OWNER:

Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Work # _____ Cell # _____

GENERAL CONTRACTOR:

Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Work # _____ License # _____

SITE IMFORMATION:

Tap Size: _____ Pipe Size: _____ Pipe Type: _____
Pipe Length: _____ Clean Out: _____ Depth at Tap: _____

PRESSURE TEST:

Required: _____ Duration: _____ Test Result: _____

INSPECTION: APPROVED ☐ DENIED ☐

COMMENTS: _____

_____

_____

_____ _____
CONTRACTORS SIGNATURE **INSPECTORS SIGNATURE**

System Operator Initials _____

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BUILDING COMMISSIONER
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Fax 219-996-7494
EMAIL:
hebronbuilding@hebronindiana.org

TAP INSPECTION

INSPECTION DATE: _____ **PERMIT #** _____

APPLICATION: _____ **TYPE:** Water Tap

PROPERTY LOCATION: _____

PROPERTY OWNER:

Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Work # _____ Cell # _____

GENERAL CONTRACTOR:

Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Work # _____ License # _____

SITE IMFORMATION:

Tap Size: _____ Pipe Size: _____ Pipe Type: _____
Pipe Length: _____ Clean Out: _____ Depth at Tap: _____

PRESSURE TEST:

Required: _____ Duration: _____ Test Result: _____

INSPECTION: APPROVED ☐ DENIED ☐

COMMENTS: _____

_____

_____

_____ _____
CONTRACTORS SIGNATURE **INSPECTORS SIGNATURE**

System Operator Initials _____

Work Order Report Cost Summary

Document 221205

Hebron Public Works Department

Year: 2023

Month	Work Orders	Employee Cost	Equipment Cost	Material Cost	Inventory Cost	Total
January	110	$10,790.00	$4,641.62	$2,222.65	$790.74	$18,445.01
February	93	$7,636.50	$3,322.69	$320.00	$460.00	$11,739.19
March	133	$8,687.50	$4,282.87	$492.00		$13,462.37
April	86	$5,875.00	$2,998.39			$8,873.39
May	142	$11,398.00	$8,703.74			$20,101.74
June	123	$8,929.00	$4,843.25	$85.00	$436.60	$14,293.85
July						
August						
September						
October						
November						
December						
Total	687	$53,316.00	$28,792.56	$3,119.65	$1,687.34	$86,915.55

Year To Date Summary

Department	Work Orders	Employee Cost	Equipment Cost	Material Cost	Inventory Cost	Total
Parks	21	$4,055.00	$2,870.45			$6,925.45
Public Works	267	$10,791.25	$2,991.86			$13,783.11
Sewer	23	$2,124.00	$1,747.91			$3,871.91
Storm Water	21	$4,450.00	$3,394.92			$7,844.92
Street	64	$22,118.00	$13,280.69	$2,332.00		$37,730.69
Water	291	$9,777.75	$4,506.72	$787.65	$1,687.34	$16,759.46

Work Orders

Work Type	Work Orders	Employee Cost	Equipment Cost	Material Cost	Inventory Cost	Total
Limb Pick-up	5	$3,880.50	$3,095.26			$6,975.76
Leaf Pick-up	4	$850.00	$851.28			$1,701.28
Snow Removal	6	$4,937.50	$3,059.00	$2,080.00		$10,076.50
Pot Hole Repair	8	$5,700.00	$2,971.40	$252.00		$8,923.40
Data Log	31	$462.50	$150.80			$613.30
Water Main Break	4	$4,080.00	$1,450.77	$362.00	$534.82	$6,427.59
Utility Locates	257	$10,400.00	$2,792.46			$13,192.46
Collection System Main.	8	$286.50	$202.12			$488.62
Sewer Back-up	7	$1,062.50	$699.19			$1,761.69

Mowing

Parks	9	$2,830.00	$2,366.40			$5,196.40
Storm Water	9	$2,325.00	$1,897.20			$4,222.20
Street	8	$1,125.00	$918.00			$2,043.00

Bulk Water Use

Work Type	Work Orders	Employee Cost	Equipment Cost	Water Used Gallons		Total
Water Leak	15	$225.00	$78.00	49,087		$303.00
Pool Fill	15	$187.50	$67.60	413,262		$255.10
Bulk Water Sale	1					

Work Order Report Summary
Document 221205
Hebron Public Works Department

Year: 2023

Year To Date Summary by Month

Month	Work Orders
January	110
February	93
March	133
April	86
May	142
June	123
July	
August	
September	
October	
November	
December	
Total	687

Year To Date Summary by Department

Department	Work Orders
Parks	21
Public Works	267
Sewer	23
Storm Water	21
Street	64
Water	291

Year To Date Summary by Work Type

Work Type	Work Orders
Limb Pick-up	5
Leaf Pick-up	4
Snow Removal	6
Pot Hole Repair	8
Data Log	31
Water Main Break	4
Utility Locates	257
Collection System Main.	8
Sewer Back-up	7

Bulk Water Use

Work Type	Work Orders	Water Used Gallons
Water Leak	15	49,087
Pool Fill	15	413,262
Bulk Water Sale	1	

Mowing

Parks	9
Storm Water	9
Street	8
Sewer	6

Hebron Indiana

Work Order #: 8190
Work Order Date: 06/30/23
Work Type:
Customer Name: ToH
Account #:
Appointment Date: 05/08/2023
Customer Phone/Email:
Work Address/Location: 100 s main st
Appointment Time: Any
Request By: 02- DUSTIN LINDSEY
Department: 05- STREET DEPT
Office Use Only:
Work Type: 0531- STREET LIGHT MAINTENANCE
Work Description: Repair street light #59
Work Order Status: 01- OPEN
Status Change Date:
Sequence #: 0
Meter Number: 0
Meter Reading: 0
New Meter Number: 0
MIU Number: 0
Meter Location:
Service Line Type:
Service Line Size:
Status: OPEN

Notes

07/03/2023	George replaced street light Pole with a new one And also took globe off another street light.

Employees

Name	Hours	Cost
George Kontol	1.00	$1,400.00

Employee Cost: $1,400.00
Equipment Cost: $0.00
Material Cost: $0.00

Inventory

Name	Location	Quantity	Credit	Cost
Street Light Assembly, Type B		1.0000	.0000	$5,388.00

Inventory Cost: $5,388.00
Purchase Order Cost: $0.00

Uploaded Files

Date	File Name	Uploaded by

07/07/2023	16063060-Light Pole Invoice.pdf
07/07/2023	16062995-20230707_090700_copy_600x800.jpg
07/07/2023	16062992-20230707_090652_copy_600x800.jpg
07/07/2023	16062550-Invoice for light pole.pdf
06/30/2023	16017735-20230508_115925_copy_600x735.jpg
06/30/2023	16017734-20230508_115324_copy_600x661.jpg

Total Cost: $6,788.00

Signature:

Date:

KSA

LIGHTING & CONTROLS

Quote

Job Name: Town of Hebron Roadway
Quote #: 23-30714-0
Quote Label: Initial Version
Job Location: Hebron, Illinois
Issue Date: 5/25/2023
Good Through: 6/23/2023
Quoted By: Smith, Scott

KSA LIGHTING INC
150 E PIERCE RD
SUITE 650
ITASCA, IL 60143-1222
(Phn) 630-307-6955 EXT:
(Fax) 630-307-6965

Quoted To: KSA LIGHTING INC
150 E PIERCE RD
SUITE 650
ITASCA, IL 60143-1222

Type	Qty	Manufacturer/Brand	Catalog #	Line Comment	Unit $	Ext $
A	1	Holophane - an Acuity Brand	ASSEMBLY ASSY21541 - TYPE A CONSISTING OF:		$7,582.00	$7,582.00
	2	*Assembled From Holophane:*	*AWDE3 P40 30K MVOLT CLF AL3 BK*	*Acrylic Washington Postlite LED, P40 performance package, 3000K, 120-277V, Classic leaf casting, Type III Acrylic Refractor, Black*		
	1	*Assembled From Holophane:*	*PCP 18IN 2A TN BK*	*Philadelphia cross arm, 18IN, 2 at 180 degrees, Tenon mount, Black*		
	1	*Assembled From Holophane:*	*FPH 1F BO SL5 100P BK*	*Flagpole holder, Single flag, Bolt-on, Shaft, Sitelink 5.25IN fluted, .25 wall (L5J), 1.00 SCH pipe (1.315" actual), Black*		
	1	*Assembled From Holophane:*	*ASSEMBLY PRICE*			
B	1	Holophane - an Acuity Brand	ASSEMBLY ASSY21554 - TYPE B CONSISTING OF:		$5,388.00	$5,388.00

Northwest Geothermal Inc

George Kontol
16600 N 700 W
DeMotte IN 46310

Invoice

Date	Invoice #
6/19/2023	664

Bill To	Ship To
Town Of Hebron 106 E Sigler St Hebron, IN 46341	

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project
	Due on receipt		5/22/2023			

Quantity	Item Code	Description	Price Each	labor	Materials	Amount
1	02 Site Work	5/22/2023 Emergency car crashed into light pole SW corner main st and rt-8 check electric linking to existing lights down the main strip ok heat up existing bent and damaged foundation bolts straighten and rethread get new pole and wiring and new inline fuse blocks set and secure new pole run new wiring and set a replacement globe from another pole. test operation of light and entire string of lights along the street all working. Job complete wiring , fuses, inline fuse blocks	1,400.00			1,400.00

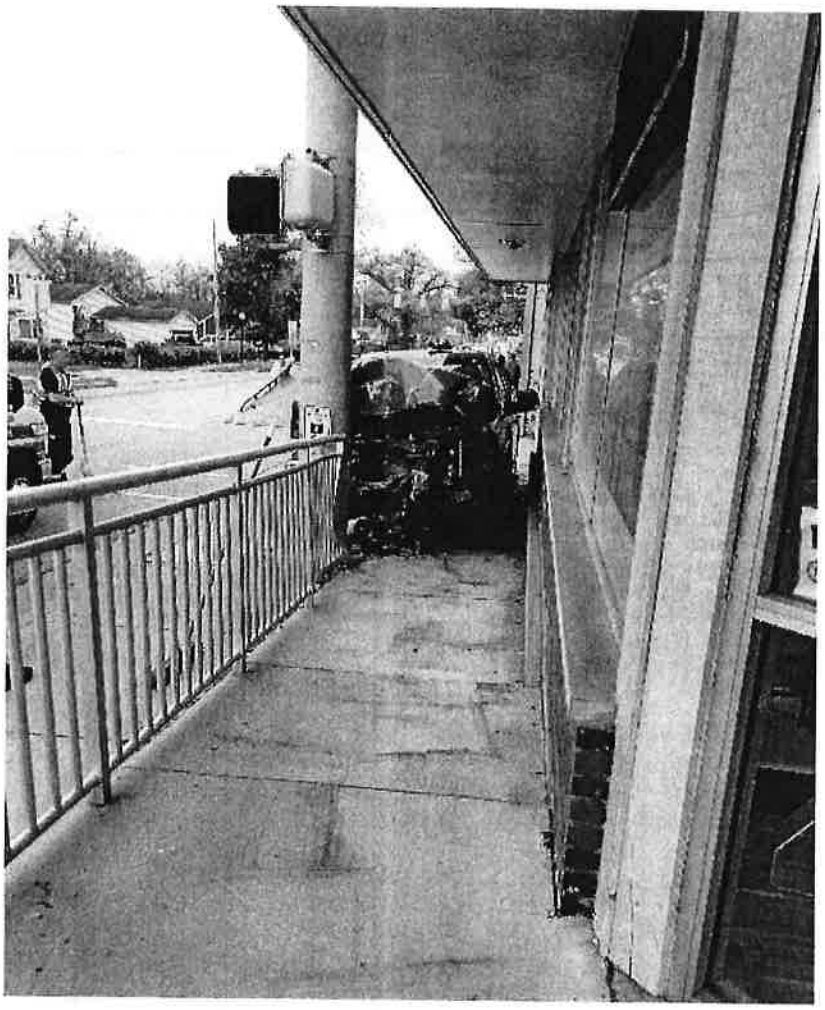
Rec'd by mail 7-5-23

Approved by RD

Entered

Acct. Pay Entered

Total	$1,400.00
Payments/Credits	$0.00



Hebron Indiana

Work Order #: 8191
Work Order Date: 05/10/23
Work Type:
Customer Name: Town of Hebron
Account #:
Appointment Date: 05/10/2023
Customer Phone/Email:
Work Address/Location: 100 S Main St Corner of ST RD 8 and S Main St. Hydrant #164
Appointment Time:
Request By: 02- JAMI NORRIS
Department: 02- WATER DEPT
Office Use Only:
Work Type: 028- HYDRANT MAINTENANCE
Work Description: Replace fire hydrant due to being hit by vehicle.
Work Order Status: 03- COMPLETED
Status Change Date: 07/03/2023
Sequence #: 0
Meter Number: 0
Meter Reading: 0
New Meter Number: 0
MIU Number: 0
Meter Location:
Service Line Type:
Service Line Size:
Status: OPEN

Notes

07/03/2023	Jami Norris painted hydrant
07/03/2023	Hydrant has upper barrel and broken bonnet. Traffic flange and upper stem repair kit used. New Hydrant. Hydrant hit by a car broke off right at traffic flange.

Employees

Name	Hours	Cost
01- Randy Decker	1.50	$75.00
012- Alan Kosinski	1.50	$75.00
012- Bob Paajanen	1.50	$75.00
012- Dustin Lindsey	1.50	$75.00
012- Jami Norris	1.00	$50.00

Employee Cost: $350.00

Equipment

Name	Amount	Cost

# 01 Pick Up	1.5	$31.20
# 03 Service Truck	1.5	$31.20
# 09 Watering Truck	1.0	$28.70

Equipment Cost: $91.10
Material Cost: $0.00

Inventory

Name	Location	Quantity	Credit	Cost
Hyrdant- kennedy		1.0000	.0000	$3,995.00

Inventory Cost: $3,995.00
Purchase Order Cost: $0.00

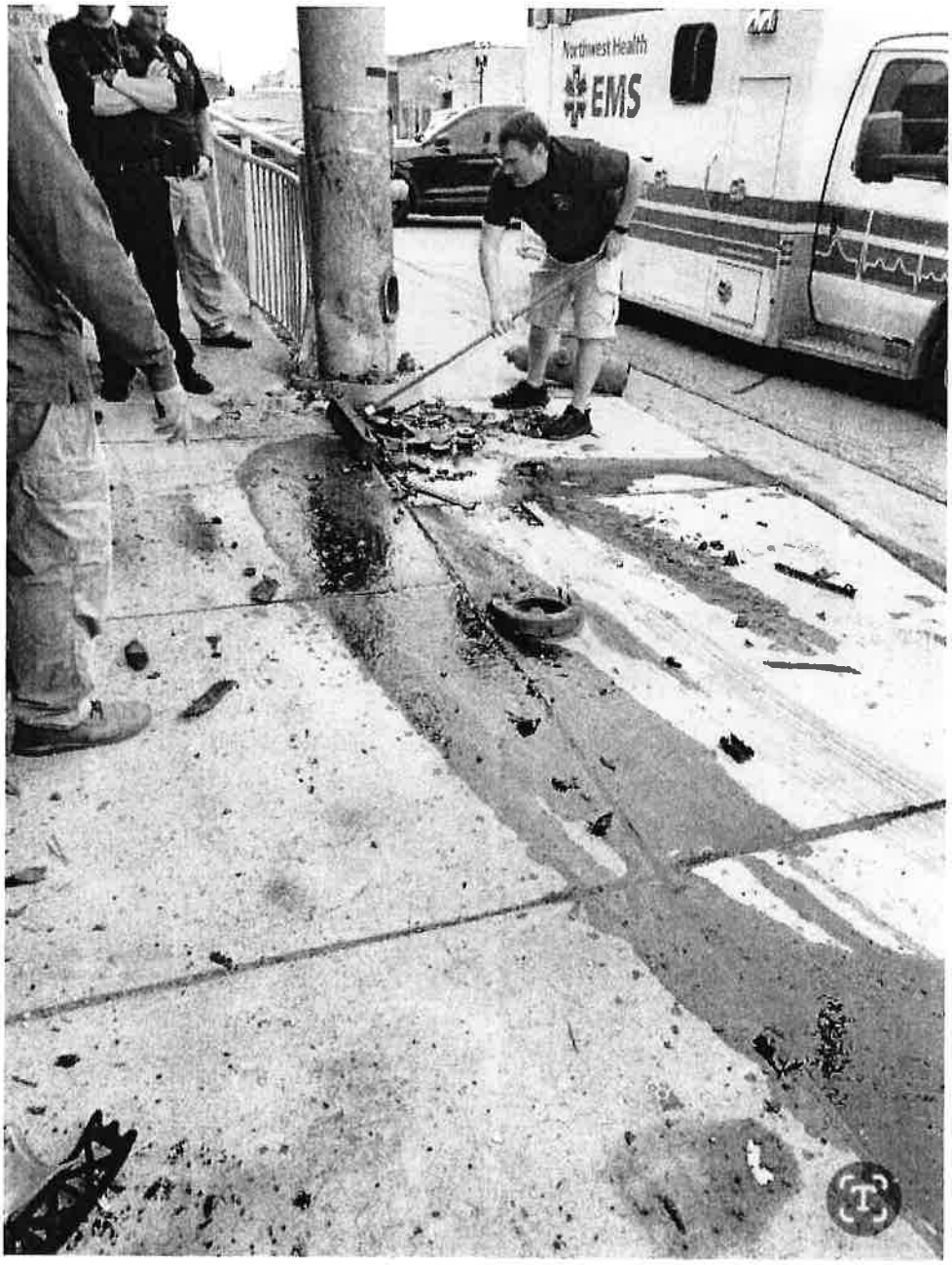
Uploaded Files

Date	File Name	Uploaded by
07/05/2023	16036353-PhotoPictureResizer_1688575789158_copy_600x800.jpg	
07/05/2023	16036352-Screenshot_20230705_115049_FieldMaps_copy_600x718.jpg	
07/05/2023	16035568-Screenshot_20230705_111754_Gallery_copy_600x804.jpg	

Total Cost: $4,436.10

Signature:

Date:


Northwest Health
EMS

WESSLER ENGINEERING

More than a Project™

HEBRON WTP PROPOSED EXPANSION SUMMARY

The purpose of this summary is to anticipate future demands and requisite plant expansions necessary to produce the projected demands. Anticipated developments could add 1,815 single family homes and 180 duplexes over the next 20 years. Therefore, the water treatment plant's average daily demand could increase to 580,500 gpd with a maximum demand of 830,700 gpd. The current WTP capacity is 1,440,000 gpd, with a firm capacity of 720,000 gpd. To accommodate the gradual increase in demand over the 20-year period, Wessler Engineering, Inc. has investigated the use of a phased approach to the expansion. An initial expansion (Phase I) would increase the plant capacity by 720,000 gpd and add an additional 0.250 MG of elevated storage. The new WTP capacity will be 2,160,000 gpd with a firm capacity of 1,296,000 gpd. The Phase I expansion would be necessary to serve the Windy Hills development. The elevated storage tank is needed to provide adequate pressure and fire flow to the Windy Hills Development North of town. The new additional treatment capacity is needed for any projected development after the Windy Hills development. Future development projected to be constructed North of the Windy Hills development will need to be evaluated for pressure concerns due to the increasing change in ground elevation. The second expansion (Phase II) would include rehabilitation projects for existing equipment at the water treatment plant. The second expansion would be at the discretion of the Town based on equipment service life.

Phase I is broken down into two different contracts, Contract A and Contract B. Table 3 summarizes the increase in the WTP's capacity for each phase.

Phase I – Contract A would consist of the following work:

- New elevated storage tank
- New high service pump upgrades
- New packaged treatment unit
- Ground storage tank rehabilitation *(Cost burden on Town – Not associated with Development)*

The estimated project cost of the proposed WTP Phase I – Contract A expansion is **$5,295,000**. This includes land acquisition, legal, financial, and engineering. Please see a detailed breakdown of the cost estimates at the end of this memorandum.

Phase I – Contract B would consist of the following work:

- Water softener improvements
- New backup generator
- Chlorine Gas System Updates and Rehabilitation

The estimated project cost of the proposed WTP Phase I – Contract B expansion is **$1,120,000**. This includes legal, financial, and engineering fees. Please see a detailed breakdown of the cost estimates at the end of this memorandum.

Phase II is broken down into two different contracts, Contract A and Contract B. Table 3 summarizes the increase in the WTP's capacity for each phase.

Phase II – Contract A would consist of the following work:

- (1) existing filter and (2) softener media replacement*
- South elevated storage tank rehabilitation**

*The existing filter will be inspected when taken out of service. The inspection report may require total replacement of the existing filter rather than media replacement. Costs included with this memorandum include only the replacement of media.
** The south elevated storage tank will need to be re-evaluated at the time of the project.

The estimated project cost of the proposed WTP Phase II – Contract A expansion is **$714,000**. This includes legal, financial, and engineering fees. Please see a detailed breakdown of the cost estimates at the end of this memorandum.

Phase II – Contract B would consist of the following work:

- (1) existing filter and (2) softener media replacement*
- New well
- Brine tank rehabilitation
- Water treatment plant laboratory rehabilitation

*The existing filter will be inspected when taken out of service. The inspection report may require total replacement of the existing filter rather than media replacement. Costs included with this memorandum include only the replacement of media.

The estimated project cost of the proposed WTP Phase II – Contract B expansion is **$1,404,000**. This includes legal, financial, and engineering fees. Please see a detailed breakdown of the cost estimates at the end of this memorandum.

Table 1: Current WTP Demand

Parameter	Current Demand
Average Day Demand (MGD)	0.221
Maximum Day Demand (MDD)	0.317

Table 2: Current and Future Developments

Developments	Number of Homes	Average Day Demand (MGD)	Max Day Demand (MGD)	Total Max Day Demand per Development (MGD)
Current Condition		0.221	0.317	0.317
Park Ridge (allocated)	280	0.046	0.066	0.383
Windy Hill	480	0.109	0.156	0.539
East Side*	50	0.008	0.012	0.551
Lake County*	800	0.132	0.189	0.740
Porter County*	385	0.064	0.091	0.831
Total	1,995	0.580	0.831	--

*Note these proposed developments were provided by Lotton Group.

** Industrial/commercial demands are accounted for in the average and max day calculations.

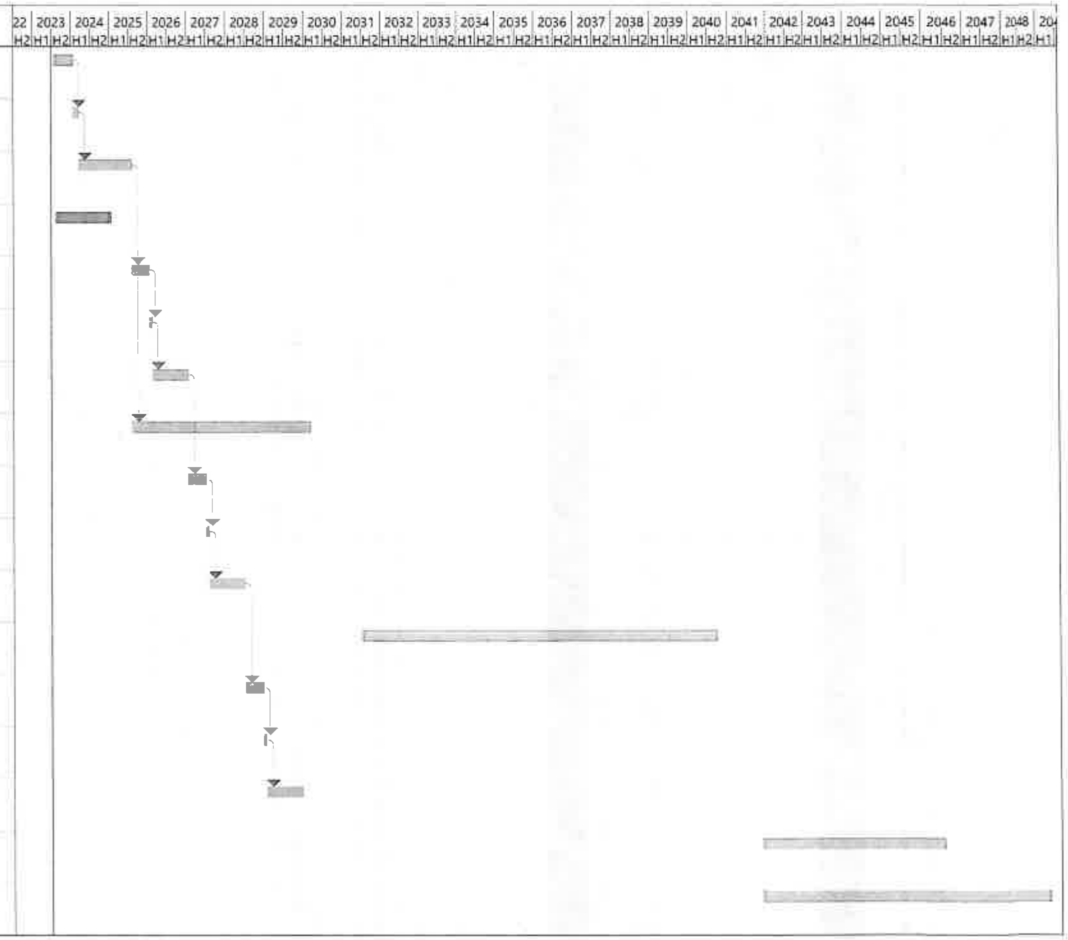
Table 3: Plant Expansion Capacity Requirements

Parameter	Existing Plant Rating	Phase I	Phase II	Units
Wells	2.304	N/A	2.736	MGD
Filters	1.440	2.160	N/A	MGD
Softeners	1.446	2.168	N/A	MGD
Transfer Pumps	2,000	N/A	N/A	GPM
High Service Pumps	2,000	N/A	N/A	GPM
Ground Storage	0.650	N/A	N/A	MG
Elevated Storage	0.100	0.250	N/A	MG
Overall Plant Capacity	**1.440**	**2.160**	**N/A**	**MGD**
Overall Plant Firm Capacity	**0.720**	**1.296**	**1.440**	**MGD**

Table 4: Abbreviations and Acronyms

Acronyms	
GPD	Gallons Per Day
MGD	Million Gallons Per Day
MG	Million Gallons
GPM	Gallons Per Minute

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		WTP Phase I - Contract A Design	6 mons	Tue 8/1/23	Mon 1/15/24	
2		WTP Phase I - Contract A Bid	2 mons	Tue 1/16/24	Mon 3/11/24	1
3		WTP Phase I - Contract A Construction	18 mons	Tue 3/12/24	Mon 7/28/25	2
4		Project Ribeye Construction	18 mons	Thu 8/17/23	Wed 1/1/25	
5		WTP Phase I - Contract B Design	6 mons	Tue 7/29/25	Mon 1/12/26	3
6		WTP Phase I - Contract B Bid	1 mon	Tue 1/13/26	Mon 2/9/26	5
7		WTP Phase I - Contract B Construction	12 mons	Tue 2/10/26	Mon 1/11/27	6
8		Windy Hill Construction (1)	60 mons	Tue 7/29/25	Mon 3/4/30	3
9		WTP Phase II - Contract A Design	6 mons	Tue 1/12/27	Mon 6/28/27	7
10		WTP Phase II - Contract A Bid	1 mon	Tue 6/29/27	Mon 7/26/27	9
11		WTP Phase II - Contract A Construction	12 mons	Tue 7/27/27	Mon 6/26/28	10
12		Lake County Construction (2)	120 mons	Mon 7/7/31	Fri 9/14/40	
13		WTP Phase II - Contract B Design	6 mons	Tue 6/27/28	Mon 12/11/28	11
14		WTP Phase II - Contract B Bid	1 mon	Tue 12/12/2£	Mon 1/8/29	13
15		WTP Phase II - Contract B Construction	12 mons	Tue 1/9/29	Mon 12/10/29	14
16		East Side Construction (3)	60 mons	Tue 12/3/41	Mon 7/9/46	
17		Porter County Construction (4)	96 mons	Tue 12/3/41	Mon 4/12/49	



Water Treatment and Storage Improvements

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Developer Total Price	Town Total Price
1	Phase I - Contract A	$ 3,934,000	$ 458,000
2	Phase I - Contract B	$ 793,000	$ 140,000
3	Phase II - Contract A	$ -	$ 595,000
4	Phase II - Contract B	$ 634,000	$ 536,000
	Total Estimated Construction Costs	**$ 5,361,000**	**$ 1,729,000**

Engineer's Preliminary Opinion of Probable Non-Construction Costs

Item	Description	Developer Total Price	Town Total Price
1	Phase I - Contract A	$ 811,000	$ 92,000
2	Phase I - Contract B	$ 159,000	$ 28,000
3	Phase II - Contract A	$ -	$ 119,000
4	Phase II - Contract B	$ 127,000	$ 107,000
	Total Estimated Non-Construction Costs	**$ 1,097,000**	**$ 346,000**

Total Probable Overall Project Costs	**$ 6,458,000**	**$ 2,075,000**

Notes:

1 *All estimated construction costs are based upon 2023 dollars, and estimated project costs will likely increase with time. Construction costs are volatile and have increased significantly in recent years, due primarily to costs of fuel and raw materials. In providing these cost estimates, Wessler Engineering has no control over the costs of labor, equipment, and materials, or the contractors' methods of pricing.*

2 *The cost estimates are based on past similar projects and were made without the benefit of field survey, design plans and specifications. These estimates are provided on the basis of the Engineer's qualifications and experience. Wessler Engineering makes no warranty, expressed or implied, as to the accuracy of such cost estimates as compared to bids or actual costs.*

3 *The project area was not reviewed for compliance with ADA guidelines. Construction costs for ADA curb ramps and other ADA facilities are not included in these cost estimates.*

Phase I - Contract A: Water Treatment and Storage Improvements

Engineer's Preliminary Opinion of Probable Construction Costs

Developer Project Cost Summary

Item	Description	Total Price
1	New Elevated Storage Tank	$ 2,654,000
2	High Service Pump Upgrade	$ 200,000
3	Filter Improvements	$ 1,238,000
	Total Estimated Construction Costs	**$ 4,092,000**

Town of Hebron Project Cost Summary

Item	Description	Total Price
1	Ground Storage Tank Rehabilitation	$ 300,000
	Total Estimated Construction Costs	**$ 300,000**

Total Probable Construction Costs	**$ 4,392,000**

Preliminary Engineer's Opinion of Non-Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Engineering Fees *(Survey, Design, Permitting, Bid, CA, & Construction Observation)*	1	LS	$ 879,000	$ 879,000
2	Engineering Fees *(Easement Preparation)*	1	EA	$ 3,000	$ 3,000
3	Land Acquisition *(Appraisal, Negotiation, & Legal)*	1	EA	$ 6,000	$ 6,000
4	Land Purchase	1	EA	$ 15,000	$ 15,000
				Total Estimated Non-Construction Costs	**$ 903,000**

Total Probable Overall Project Costs	**$ 5,295,000**

Notes:

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3 *The project area was not reviewed for compliance with ADA guidelines. Construction costs for ADA curb ramps and other ADA facilities are not included in these cost estimates.*

New Elevated Storage Tank

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	250,000 Gallon Elevated Storage Tank	1	LS	$ 1,600,000	$ 1,600,000
2	10-inch DI Water Main	300	LF	$ 150	$ 45,000
3	10-Inch Tapping Sleeve and Tapping Valve and Box	1	EA	$ 10,000	$ 10,000
4	Security Fencing	500	LF	$ 85	$ 42,500
5	Crushed Stone Drive	200	LF	$ 85	$ 17,000
6	10-inch Gate Valve	2	EA	$ 8,500	$ 17,000
7	H-3 Hydrant Assembly	1	EA	$ 11,000	$ 11,000
8	Mixer	1	EA	$ 35,000	$ 35,000
9	Sample Station	1	EA	$ 2,500	$ 2,500
10	Electrical & SCADA	1	LS	$ 110,000	$ 110,000
11	Site Grading	1	LS	$ 5,000	$ 5,000
12	Mobilization, Demob, Bonds, & Insurance	1	LS	$ 95,000	$ 95,000
13	Erosion & Sediment Control	1	LS	$ 38,000	$ 38,000
14	Maintenance of Traffic	1	LS	$ 38,000	$ 38,000
15	Final Cleanup & Restoration	1	LS	$ 57,000	$ 57,000
				Subtotal	$ 2,123,000
				25% Contingency	$ 531,000
				Total Estimated Construction Costs	**$ 2,654,000**

Notes:

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High Service Pump Upgrade

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Replace High Service Pumps	2	EA	$ 50,000	$ 100,000
2	Electrical & SCADA	1	LS	$ 50,000	$ 50,000
3	Mobilization, Demob, Bonds, & Insurance	1	LS	$ 8,000	$ 8,000
4	Final Cleanup & Restoration	1	LS	$ 2,000	$ 2,000
				Subtotal	$ 160,000
				25% Contingency	$ 40,000
				Total Estimated Construction Costs	**$ 200,000**

Notes:

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3 *Electrical & SCADA price may be reduced if the pump motor size is reduced or does not change from the current size of 60HP.*

Filter Improvements

Engineer's Preliminary Opinion of Probable Construction Costs

Developer Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Replace Transfer Pumps	2	EA	$ 40,000	$ 80,000
2	Electrical & SCADA	1	LS	$ 55,000	$ 55,000
4	New Package Treatment Unit (PTU)	1	LS	$ 630,000	$ 630,000
7	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 38,000	$ 38,000
8	Erosion & Sediment Control	1	LS	$ 23,000	$ 23,000
9	Final Cleanup & Restoration	1	LS	$ 38,000	$ 38,000
				Subtotal	$ 864,000
				25% Contingency	$ 216,000
				Total Estimated Construction Costs	**$ 1,080,000**

Town Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	WTP Roof Inspection & Insulation Repair	1	LS	$ 50,000	$ 50,000
2	Pre-fabricated Storage Building (30'x20'x12')	1	LS	$ 64,000	$ 64,000
3	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 6,000	$ 6,000
4	Erosion & Sediment Control	1	LS	$ 3,000	$ 3,000
5	Final Cleanup & Restoration	1	LS	$ 6,000	$ 6,000
				25% Contingency	$ 29,000
				Total Estimated Non-Construction Costs	**$ 158,000**

Total Probable Overall Project Costs	**$**	**1,238,000**

Notes:

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3 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisistion are not included in these cost estimates.*

Ground Storage Tank Rehabilitation

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Ground Storage Tank Rehab	1	LS	$ 225,000	$ 225,000
2	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 8,000	$ 8,000
3	Erosion & Sediment Control	1	LS	$ 2,000	$ 2,000
5	Final Cleanup & Restoration	1	LS	$ 5,000	$ 5,000
				Subtotal	$ 240,000
				25% Contingency	$ 60,000
				Total Estimated Construction Costs	**$ 300,000**

Notes:

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3 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisistion are not included in these cost estimates.*

Phase I - Contract B: Water Treatment and Storage Improvements

Engineer's Preliminary Opinion of Probable Construction Costs

Developer Project Cost Summary

Item	Description	Total Price
1	Softener Improvements	$ 304,000
4	Chlorine Gas System Updates & Rehabilitation	$ 280,000
5	New Backup Generator	$ 349,000
	Total Estimated Construction Costs	**$ 935,000**

Preliminary Engineer's Opinion of Non-Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Engineering Fees *(Survey, Design, Permitting, Bid, CA, & Construction Observation)*	1	LS	$ 187,000	$ 187,000
	Total Estimated Non-Construction Costs				**$ 187,000**

Total Probable Overall Project Costs	**$ 1,120,000**

Notes:

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2 *The cost estimates are based on past similar projects and were made without the benefit of field survey, design plans and specifications. These estimates are provided on the basis of the Engineer's qualifications and experience. Wessler Engineering makes no warranty, expressed or implied, as to the accuracy of such cost estimates as compared to bids or actual costs.*

3 *The project area was not reviewed for compliance with ADA guidelines. Construction costs for ADA curb ramps and other ADA facilities are not included in these cost estimates.*

Softener Improvements

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Electrical & SCADA	1	LS	$ 15,000	$ 15,000
2	New Softeners	2	EA	$ 100,000	$ 200,000
3	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 11,000	$ 11,000
4	Erosion & Sediment Control	1	LS	$ 6,000	$ 6,000
5	Final Cleanup & Restoration	1	LS	$ 11,000	$ 11,000
				Subtotal	$ 243,000
				25% Contingency	$ 61,000
				Total Estimated Construction Costs	**$ 304,000**

Notes:

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2 *The cost estimates are based on past similar projects and were made without the benefit of field survey, design plans and specifications. These estimates are provided on the basis of the Engineer's qualifications and experience. Wessler Engineering makes no warranty, expressed or implied, as to the accuracy of such cost estimates as compared to bids or actual costs.*

3 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisistion are not included in these cost estimates.*

Chlorine Gas System Updates & Rehabilitation

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Automatic Chlorinators	3	EA	$ 5,500	$ 16,500
2	Emergency Shutoff System	1	LS	$ 11,000	$ 11,000
3	Exterior Alarm Lights and Sirens	1	LS	$ 5,000	$ 5,000
4	Chlorine Gas Detector	1	EA	$ 2,000	$ 2,000
5	Chlorine Gas Cylinder Scale	1	EA	$ 5,000	$ 5,000
6	Plumbing	1	LS	$ 25,000	$ 25,000
7	Chlorine gas Scrubber	1	EA	$ 100,000	$ 100,000
8	Electrical/SCADA	1	LS	$ 25,000	$ 25,000
9	Room expansion (4'x8' Building Extension)	1	LS	$ 14,500	$ 14,500
10	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 10,200	$ 10,200
11	Erosion & Sediment Control	1	LS	$ 2,000	$ 2,000
12	Final Cleanup & Restoration	1	LS	$ 8,200	$ 8,200
				Subtotal	$ 224,000
				25% Contingency	$ 56,000
				Total Estimated Construction Costs	**$ 280,000**

Notes:

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2 *The cost estimates are based on past similar projects and were made without the benefit of field survey, design plans and specifications. These estimates are provided on the basis of the Engineer's qualifications and experience. Wessler Engineering makes no warranty, expressed or implied, as to the accuracy of such cost estimates as compared to bids or actual costs.*

3 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisistion are not included in these cost estimates.*

New Backup Generator

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	400kW Natural Gas Generator	1	LS	$ 220,000	$ 220,000
2	Automatic Transfer Switch	1	EA	$ 25,000	$ 25,000
3	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 13,000	$ 13,000
4	Erosion & Sediment Control	1	LS	$ 8,000	$ 8,000
5	Final Cleanup & Restoration	1	LS	$ 13,000	$ 13,000
				Subtotal	$ 279,000
				25% Contingency	$ 70,000
				Total Estimated Construction Costs	**$ 349,000**

Notes:

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3 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisistion are not included in these cost estimates.*

Phase II - Contract A: Water Treatment and Storage Improvements

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Total Price
1	South Elevated Storage Tank Rehabilitation	$ 340,000
2	Existing Filter and Softener Rehabilitation	$ 255,000
	Total Estimated Construction Costs	**$ 595,000**

Preliminary Engineer's Opinion of Non-Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Engineering Fees *(Survey, Design, Permitting, Bid, CA, & Construction Observation)*	1	LS	$ 119,000	$ 119,000
	Total Estimated Non-Construction Costs				**$ 119,000**

Total Probable Overall Project Costs	**$ 714,000**

Notes:

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3 *The project area was not reviewed for compliance with ADA guidelines. Construction costs for ADA curb ramps and other ADA facilities are not included in these cost estimates.*

South Elevated Storage Tank Rehabilitation

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Elevated Storage Tank Rehabilitation	1	LS	$ 250,000	$ 250,000
2	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 10,000	$ 10,000
3	Erosion & Sediment Control	1	LS	$ 6,000	$ 6,000
4	Final Cleanup & Restoration	1	LS	$ 6,000	$ 6,000
				Subtotal	$ 272,000
				25% Contingency	$ 68,000
				Total Estimated Construction Costs	**$ 340,000**

Notes:

1 *All estimated construction costs are based upon 2023 dollars, and estimated project costs will likely increase with time. Construction costs are volatile and have increased significantly in recent years, due primarily to costs of fuel and raw materials. In providing these cost estimates, Wessler Engineering has no control over the costs of labor, equipment, and materials, or the contractors' methods of pricing.*

2 *The cost estimates are based on past similar projects and were made without the benefit of field survey, design plans and specifications. These estimates are provided on the basis of the Engineer's qualifications and experience. Wessler Engineering makes no warranty, expressed or implied, as to the accuracy of such cost estimates as compared to bids or actual costs.*

3 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisistion are not included in these cost estimates.*

Existing Filter and Softener Rehabilitation

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Replace Exisitng Filter Media	2	EA	$ 60,000	$ 120,000
2	Replace Softener Media	4	EA	$ 30,000	$ 120,000
3	Actuator Replacement	1	LS	$ 130,000	$ 130,000
4	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 19,000	$ 19,000
5	Final Cleanup & Restoration	1	LS	$ 19,000	$ 19,000
				Subtotal	$ 408,000
				25% Contingency	$ 102,000
				Total Estimated Construction Costs	**$ 510,000**

Notes:

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3 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisistion are not included in these cost estimates.*

Phase II - Contract B: Water Treatment and Storage Improvements

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Total Price
2	Existing Filter and Softener Rehabilitation	$ 255,000
3	New Well	$ 634,000
4	Brine Tank Rehabilitation	$ 201,000
5	Water Treatment Plant Lab Rehabilitation	$ 80,000
	Total Estimated Construction Costs	**$ 1,170,000**

Preliminary Engineer's Opinion of Non-Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Engineering Fees *(Survey, Design, Permitting, Bid, CA, & Construction Observation)*	1	LS	$ 234,000	$ 234,000
	Total Estimated Non-Construction Costs				**$ 234,000**

Total Probable Overall Project Costs	**$ 1,404,000**

Notes:

1 *All estimated construction costs are based upon 2023 dollars, and estimated project costs will likely increase with time. Construction costs are volatile and have increased significantly in recent years, due primarily to costs of fuel and raw materials. In providing these cost estimates, Wessler Engineering has no control over the costs of labor, equipment, and materials, or the contractors' methods of pricing.*

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3 *The project area was not reviewed for compliance with ADA guidelines. Construction costs for ADA curb ramps and other ADA facilities are not included in these cost estimates.*

New Well

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Test Wells	2	EA	$ 13,000	$ 26,000
2	Production Well, drilling, Testing, etc.	1	LS	$ 125,000	$ 125,000
3	Pump and Motor (300 gpm)	1	LS	$ 75,000	$ 75,000
4	Pre-fabricated Building (15'x15'x9')	540	SF	$ 35	$ 18,900
5	Galvanized Fence	140	LF	$ 150	$ 21,000
6	Foundation	10	CY	$ 850	$ 8,500
7	Yard Piping	400	LF	$ 120	$ 48,000
8	Process Piping (DI)	1	LS	$ 10,000	$ 10,000
9	Electrical/Controls	1	LS	$ 120,000	$ 120,000
10	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 22,600	$ 22,600
11	Erosion & Sediment Control	1	LS	$ 13,600	$ 13,600
12	Final Cleanup & Restoration	1	LS	$ 18,100	$ 18,100
				Subtotal	$ 507,000
				25% Contingency	$ 127,000
				Total Estimated Construction Costs	**$ 634,000**

Notes:

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3 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisistion are not included in these cost estimates.*

Brine Tank Rehabilitation

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Brine Tank Piping	1	LS	$ 15,000	$ 15,000
2	New Brine Tank	75	CY	$ 1,200	$ 90,000
3	New Hatches (6'x4')	3	EA	$ 10,000	$ 30,000
4	New Hatches (3'x3')	1	EA	$ 8,500	$ 8,500
5	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 7,200	$ 7,200
6	Erosion & Sediment Control	1	LS	$ 4,300	$ 4,300
7	Final Cleanup & Restoration	1	LS	$ 5,700	$ 5,700
				Subtotal	$ 161,000
				25% Contingency	$ 40,000
				Total Estimated Construction Costs	**$ 201,000**

Notes:

1 *All estimated construction costs are based upon 2023 dollars, and estimated project costs will likely increase with time. Construction costs are volatile and have increased significantly in recent years, due primarily to costs of fuel and raw materials. In providing these cost estimates, Wessler Engineering has no control over the costs of labor, equipment, and materials, or the contractors' methods of pricing.*

2 *The cost estimates are based on past similar projects and were made without the benefit of field survey, design plans and specifications. These estimates are provided on the basis of the Engineer's qualifications and experience. Wessler Engineering makes no warranty, expressed or implied, as to the accuracy of such cost estimates as compared to bids or actual costs.*

3 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisistion are not included in these cost estimates.*

Water Treatment Plant Lab Rehabilitation

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Lab Equipment	1	LS	$ 45,000	$ 45,000
2	Lab Flooring and ceiling	1	LS	$ 15,000	$ 15,000
3	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 3,000	$ 3,000
4	Final Cleanup & Restoration	1	LS	$ 1,200	$ 1,200
				Subtotal	$ 64,000
				25% Contingency	$ 16,000
				Total Estimated Construction Costs	**$ 80,000**

Notes:

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3 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisition are not included in these cost estimates.*

WESSLER ENGINEERING

More than a Project

MEMORANDUM

To: Randy Decker, Utility Superintendent

From: Robert Holden, Wessler Engineering

Date: 22 June 2023

Re: WWTP Proposed Expansion Summary

Project No.: 245821

The purpose of this summary is to anticipate future flows and plant expansions that will require additional wastewater treatment within the Town of Hebron. Anticipated developments consist of Park Ridge (280 single family homes) and Windy Hill (300 single family homes and 180 duplexes). The Park Ridge development has been issued capacity allocations, with the Windy Hill development indicating they will seek them in the relatively near future. Therefore, with the addition of approximately 600 single family home equivalents and additional projected commercial growth, wastewater generated within the Town will see significant growth. Table 1 presents the anticipated domestic, commercial, and industrial growth that has been projected within the next 20 years for the Town.

Table 1: Current and Future Developments

Developments	Homes	Domestic	Commercial / Industrial	Infiltration & Inflow	Total Flow (MGD)
Current Condition		0.290	0.028	0.071	0.390
Park Ridge (allocated)	280	0.087	0.000	0.010	0.097
Windy Hill	480	0.150	0.000	0.010	0.160
East Side*	50	0.016	0.100	0.010	0.126
Lake County*	800	0.248	0.100	0.010	0.358
Porter County*	385	0.120	0.000	0.010	0.130
Total	1,995	0.911	0.228	0.121	1.261

*Note these proposed developments were provided by Lotton Group.

The levels of growth that are indicated in Table 1 represent development that is currently in process as well as potential future growth that that the Town may need to provide capacity for in the future.

At present, the Hebron wastewater treatment plant (WWTP) has a design average daily flow (ADF) capacity of 0.52 MGD and peak flow capacity of 2.89 MGD (sustained treatment) and 4.32 MGD (total influent capacity). Current three-year influent averages for flows and loads are shown in Table 2.

Table 2: Current Flows and Loadings

Parameter	Current	Plant Rating
Average Design Flow (MGD)	0.389	0.52
Peak Design Flow (MGD)	2.42	2.89
$cBOD_5$ Loading (lbs/day)	681	694
TSS Loading (lbs/day)	964	1158
NH_3-N Loading (lbs/day)	82	100

Although the WWTP has available volumetric capacity (25% available), the mass loadings range from 2% to 20% available capacity remaining. Therefore, future capacity allocations will require the construction of additional capacity at the WWTP.

In reviewing the potential flows from Table 1 in relation to expansion of the WWTP, incremental expansion will be necessary to provide capacity adequate for anticipated growth while maintaining affordability for the community. Based on these criteria, an initial ADF expansion to 0.7 MGD and peak capacity of 3.5 MGD is proposed. The limiting factor for the ADF increase is the available organic loading capacity increase associated with adding one additional aeration tank. This initial expansion (Expansion #1) would provide enough capacity for the Windy Hill development as well as some future domestic/commercial development that has not yet been identified. This expansion increment was selected to maintain a level of affordability while providing the Town the ability to grow.

To accommodate the longer-term potential growth indicated in Table 1, a second expansion would be necessary in the future. This second expansion was included in the initial planning effort to ensure that facilities can be readily expanded. The second expansion would bring the facility to ADF to 0.96 MGD and a peak capacity of 3.5 MGD. The limiting factor for this second ADF increase is the maximum aeration provided by the existing blowers while maintaining aerobic conditions. Furthermore, as shown in Table 4, an ADF of 1.0 MGD or more will require a phosphorus limit in the plants NPDES permit. This will require an additional building and equipment to provide chemical phosphorus removal.

Expansion #2 would provide capacity for the equivalent of 850 single family homes. To accommodate the longer-term growth indicated in Table 1, a third expansion would be necessary. This third expansion would bring the facility to a 1.56 MGD ADF capacity and 5.46 MGD peak flow capacity. Table 3 presents future flows and loading capacities for the expanded plant after each of the proposed expansion levels. In Table 3, future loadings were based on the generated wastewater having medium strength waste characteristics which are very similar to present characteristics.

Table 3: Future Flows and Loadings

Parameter	Current	Expansion 1	Expansion 2	Expansion 3
Average Design Flow (MGD)	0.389	0.70	0.96	1.56
Peak Design Flow (MGD)	2.42	3.5	3.5	5.46
$cBOD_5$ Loading (lbs/day)	681	1,201	1,634	2,635
TSS Loading (lbs/day)	964	1,483	1,916	2,917
NH_3-N Loading (lbs/day)	82	147	201	327

To understand the necessary improvements/expansion required for each of the proposed expansion increments, the existing WWTP unit processes and their individual capacities were reviewed against the future flows and loadings for the expansions indicated in Table 3. Table 4 presents the current design capacities as well as the expanded capacities. Furthermore, Figure 3 was developed to understand the anticipated expansion timeline. This timeline is based on the future developments highlighted in Table 1 in relation to the three proposed plant expansions indicated in Table 3.

Table 4: Plant Expansion Capacity Requirements

Parameter	Existing Plant Rating	Expansion #1	Expansion #2	Expansion #3
Mechanical Bar Screen Capacity (MGD)	4.3	4.3	4.3	5.5
Plant Site Lift Station Pump Capacity (MGD)	4.15	4.15	4.15	5.5
Flow Equalization Volume (MG)	1.67	1.67	1.67	1.67
Aeration Tank Volume (ft^3)	59,400	79,200	118,800	178,200
Air Required (scfm)	550	796	1,100	1,800
Air Provided (scfm)	1,100	1,100	1,100	1,800
Chemical Feed Pumps (gpd)[1]	N/A	N/A	N/A	180
Clarifier Surface Area (ft^2)	2,890	4,480	4,480	6,070
RAS Flow (MGD)	0.78	1.44	1.44	2.34
UV Disinfection Capacity (MGD)	3.5	3.5	3.5	5.5
Digester Volume (ft^3)	39,000	71,000	71,000	103,000
Digester Air Provided (scfm)	382	764	764	764
Digested Sludge for Dewatering (gpd)	3,425	5,250	7,150	13,000

[1] Once a wastewater treatment facility reaches an ADF of 1.0 MGD, Phosphorus limits are included in its NPDES Permit. For Hebron's plant, chemical removal is recommended.

Exhibits 1 and 2 provide proposed layouts for Expansion #1. These two options revolve around constructing a new aeration tank adjacent to the existing tanks or on a greenfield site. Exhibit 2 will require approximately 4 additional acres of land. This additional land is shown in Figure 2. Furthermore, proposed layouts for Expansion #2 and #3 are shown in Figure 1. These layouts are subject to change based on which option the Town would elect to proceed with for Expansion #1.

Based on the capacities indicated in Table 4, the initial WWTP expansion would consist of the following work:

- One (1) new aeration tank (19,800 ft^3)
- One (1) new 45-foot secondary clarifier
- New RAS/WAS Pumps
- One (1) new aerobic digester
- New digester blowers
- Instrumentation upgrades

- Electrical upgrades

The estimated construction cost of the proposed WWTP Expansion #1 Option 1 is **$4,038,000**. The estimated total project cost with land acquisition, legal, financial, and engineering fees is **$4,850,000**. The estimated construction cost of the proposed WWTP Expansion #1 Option 2 is **$4,788,000**. The estimated total project cost with land acquisition, legal, financial, and engineering fees is **$5,830,000**. Please see a detailed breakdown of the cost estimates at the end of this memorandum.

To accommodate the potential future growth, Expansion #2 would consist of the following work:

- Two, new aeration tanks (39,600 ft^3)
- One (1) new backup generator
- Electrical upgrades
- Instrumentation upgrades

The estimated construction cost is based on Expansion proceeding with Expansion #1 Option #1 for the proposed WWTP Expansion #2. The estimated construction cost is **$2,713,000**. The estimated total project cost with land acquisition, legal, financial, and engineering fees is **$3,340,000**. Please see a detailed breakdown of the cost estimate at the end of this memorandum.

To accommodate the potential future growth, Expansion #3 would consist of the following work:

- New influent screen
- Three, new aeration tanks (59,400 ft^3)
- One (1) new 45-foot secondary clarifier
- New chemical storage building, storage tank, and chemical feed pumps (Phosphorus removal)
- New digester blower
- One (1) new aerobic digester
- Instrumentation upgrades
- New raw sewage pumps and wet well
- New aeration blowers
- New RAS/WAS pumps
- New UV Disinfection
- New mechanical dewatering equipment and building
- New covered dewatered sludge storage
- Electrical upgrades

The estimated construction cost of the proposed WWTP Expansion #3 is $**10,438,000**. The estimated total project cost with legal, financial, and engineering fees is **$12,530,000**. Please see a detailed breakdown of the cost estimate at the end of this memorandum.

END

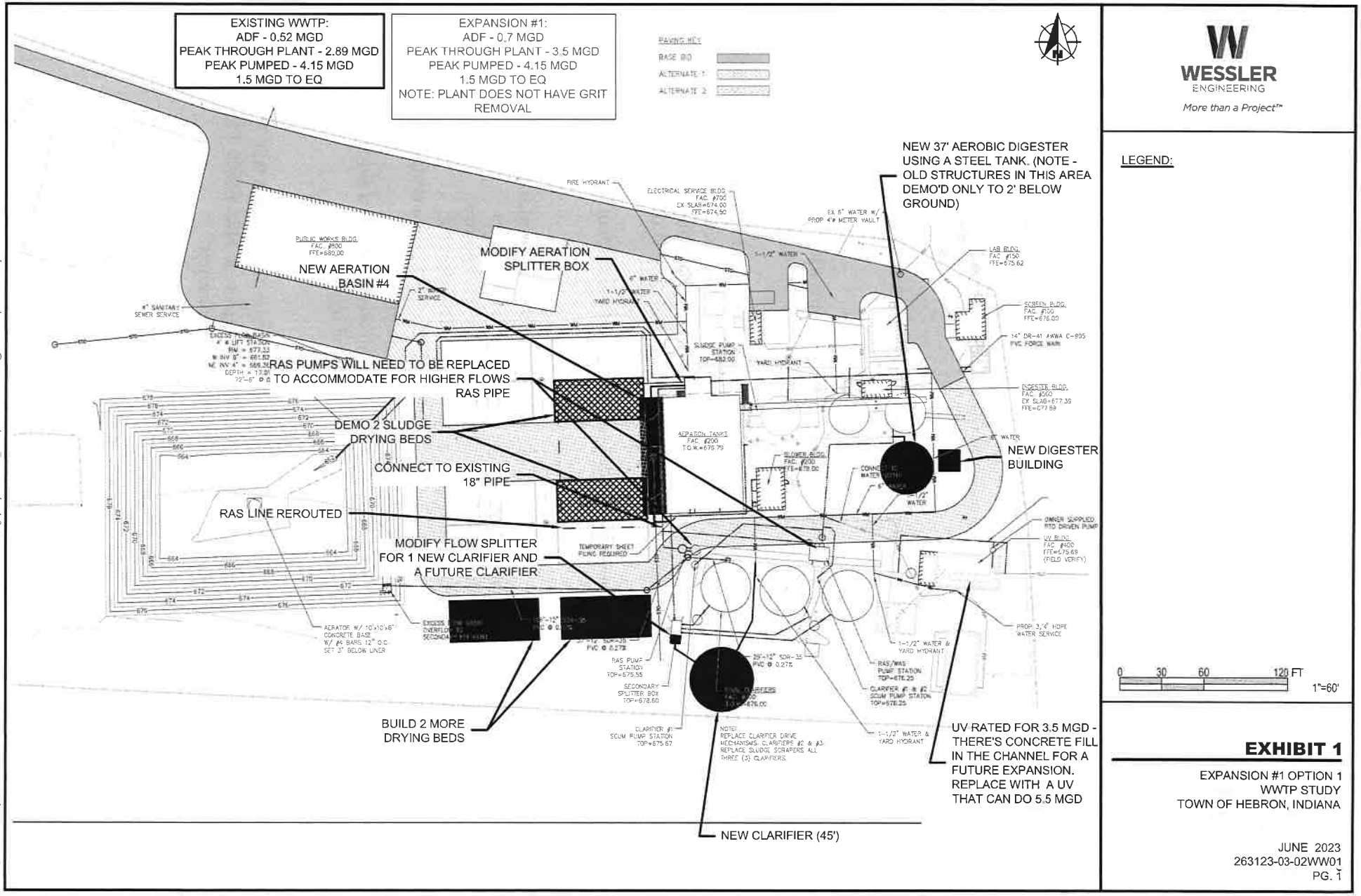

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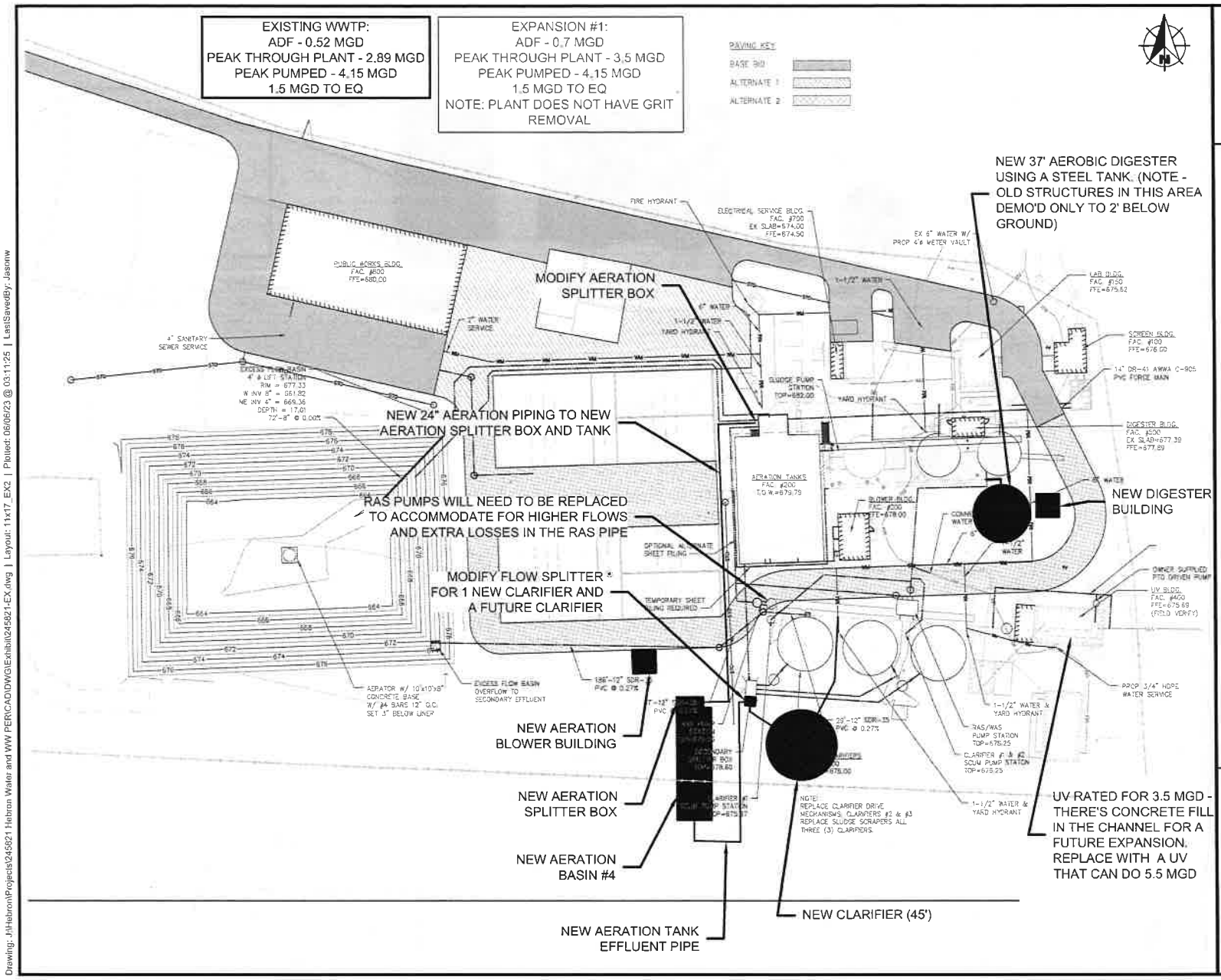
EXHIBIT 1

EXPANSION #1 OPTION 1
WWTP STUDY
TOWN OF HEBRON, INDIANA

JUNE 2023
263123-03-02WW01
PG. 1



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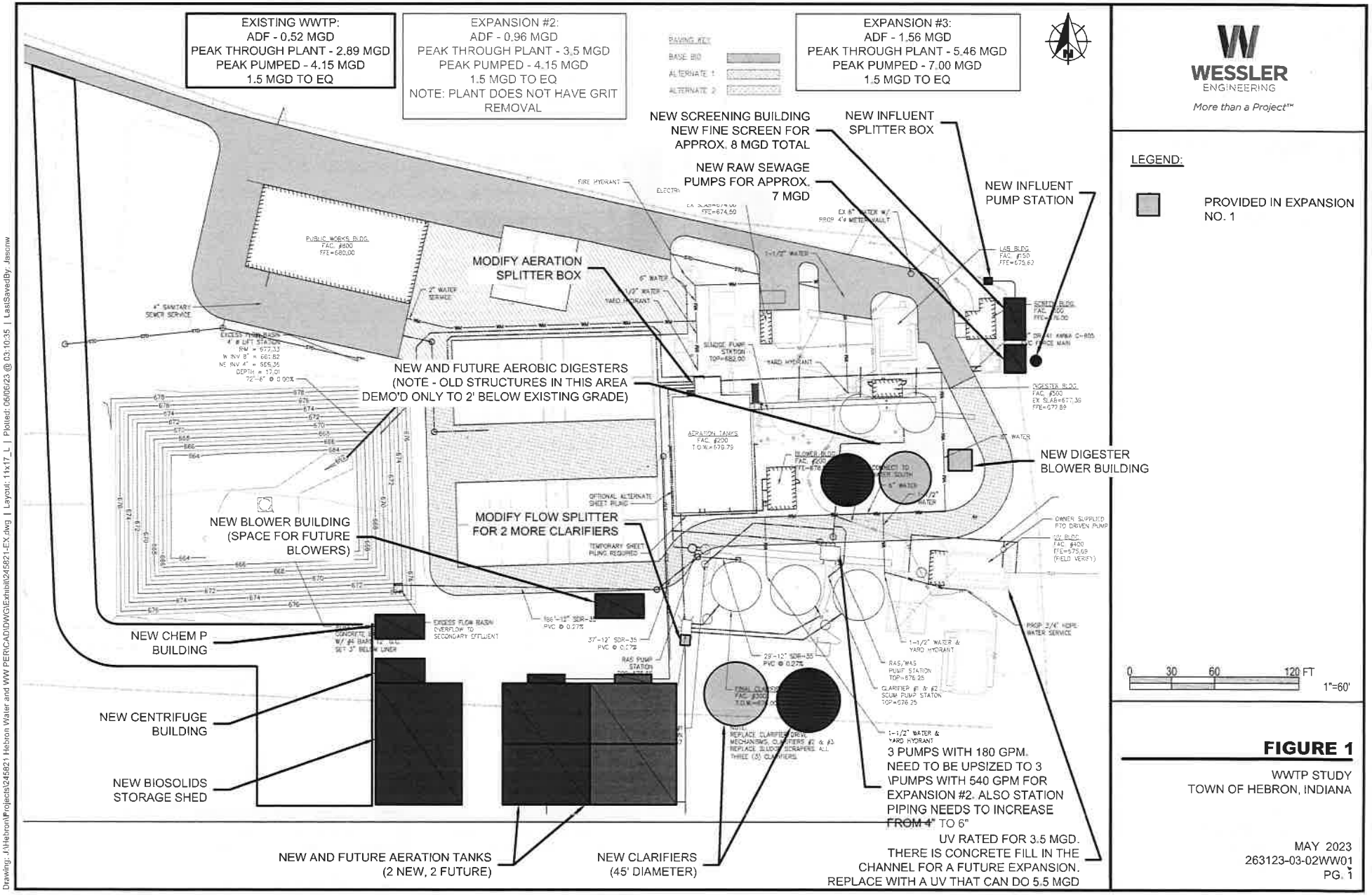
LEGEND:

EXHIBIT 2

EXPANSION #1 OPTION 2
WWTP STUDY
TOWN OF HEBRON, INDIANA

JUNE 2023
263123-03-02WW01
PG. 2



WESSLER ENGINEERING
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LEGEND:

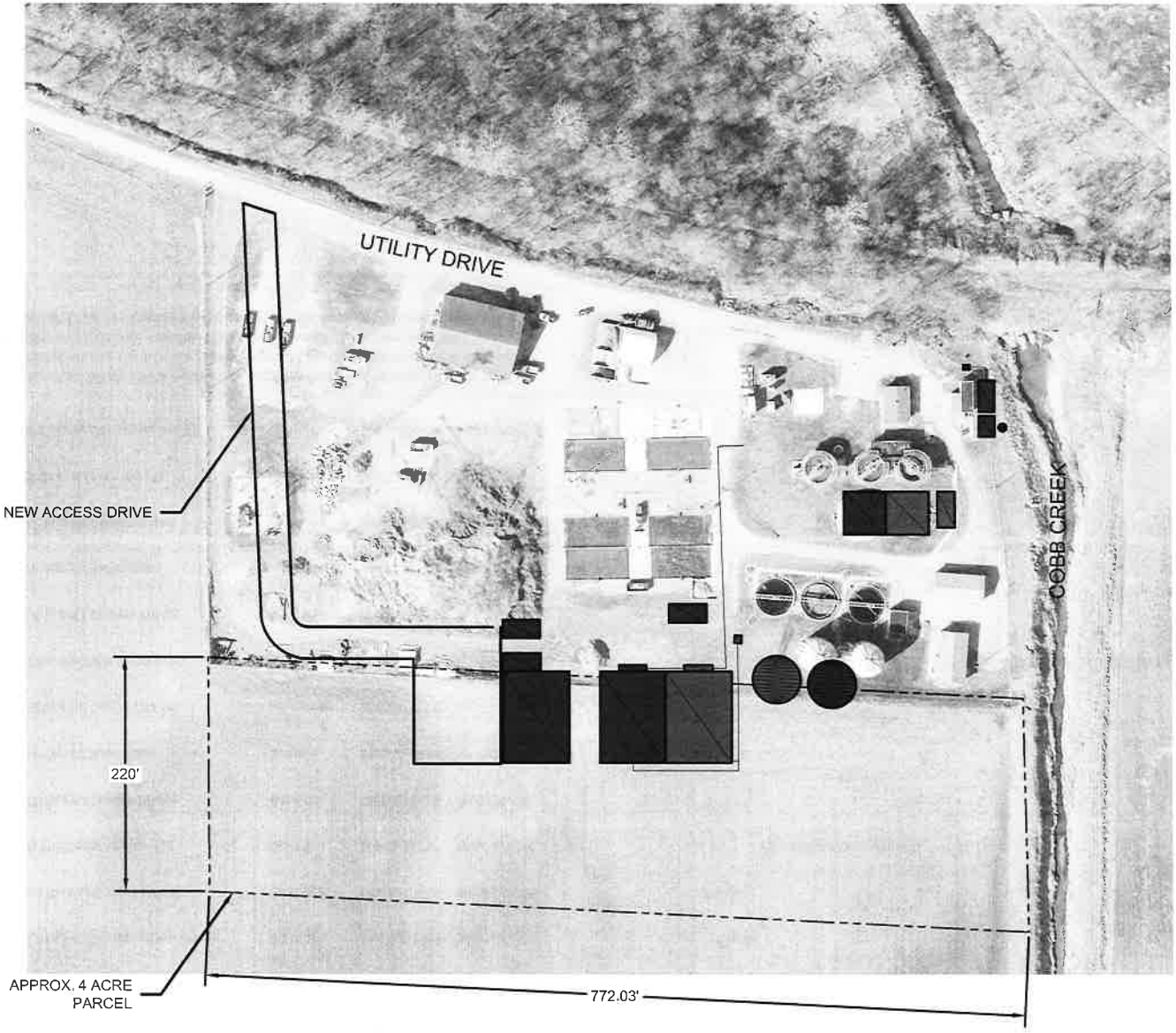
PROVIDED IN EXPANSION NO. 1

0 30 60 120 FT
1"=60'

FIGURE 1

WWTP STUDY
TOWN OF HEBRON, INDIANA

MAY 2023
263123-03-02WW01
PG. 1



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LEGEND:

0 50 100 200 FT
1"=100'

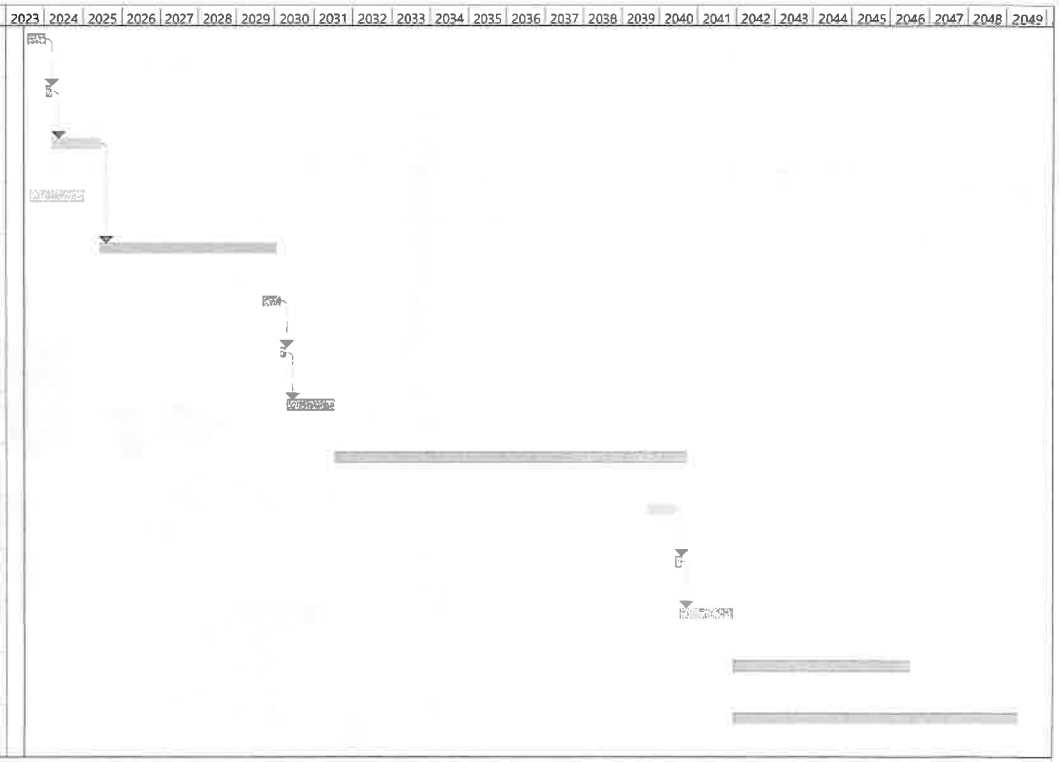
FIGURE 2

WWTP STUDY
TOWN OF HEBRON, INDIANA

MAY 2023
263123-03-02WW01
PG. 2

Figure 3: Hebron WWTP Modular Expansions Timeline

ID	Task Name	Duration	Start	Finish	Predecessors
1	WWTP Exp #1 Design Phase	6 mons	Tue 8/1/23	Mon 1/15/24	
2	WWTP Exp #1 Bid Phase	2 mons	Tue 1/16/24	Mon 3/11/24	1
3	WWTP Exp #1 Construction Phase	16 mons	Tue 3/12/24	Mon 6/2/25	2
4	Project Ribeye Construction	18 mons	Thu 8/17/23	Wed 1/1/25	
5	Windy Hill Construction (1)	60 mons	Tue 6/3/25	Mon 1/7/30	3
6	WWTP Exp #2 Design Phase	6 mons	Mon 9/3/29	Fri 2/15/30	
7	WWTP Exp #2 Bid Phase	2 mons	Mon 2/18/30	Fri 4/12/30	6
8	WWTP Exp #2 Construction	16 mons	Mon 4/15/30	Fri 7/4/31	7
9	Lake County Construction (2)	120 mons	Mon 7/7/31	Fri 9/14/40	
10	WWTP Exp #3 Design Phase	9 mons	Wed 9/14/39	Tue 5/22/40	
11	WWTP Exp #3 Bid Phase	2 mons	Wed 5/23/40	Tue 7/17/40	10
12	WWTP Exp #3 Construction	18 mons	Wed 7/18/40	Tue 12/3/41	11
13	East Side Construction (3)	60 mons	Tue 12/3/41	Mon 7/9/46	
14	Porter County Construction (4)	96 mons	Tue 12/3/41	Mon 4/12/49	



(1) Estimated Windy Hill development would average 100 homes built each year
(2) Estimated Lake County development would average 75 homes built each year
(3) Estimated East Side development would average 10 homes built each year
(4) Estimated Porter County development would average 50 homes built each year

Proposed WWTP Expansion #1 Option 1 Total Estimated Project Cost

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Aeration Tank Slab	110	CY	$ 1,600	$ 180,000
2	Aeration Tank Walls	150	CY	$ 1,700	$ 260,000
3	Aeration Tank Equipment	1	LS	$ 90,000	$ 90,000
4	Aeration Split Structure Modification	1	LS	$ 50,000	$ 50,000
5	Secondary Clarifier Slab	140	CY	$ 1,600	$ 220,000
6	Secondary Clarifier Wall	170	CY	$ 1,700	$ 290,000
7	Clarifier Equipment	1	EA	$ 260,000	$ 260,000
8	Clarifier Split Structure Modification	1	LS	$ 100,000	$ 100,000
9	RAS pumps	5	EA	$ 15,000	$ 80,000
10	Aerobic Digester Steel Tank	1	LS	$ 145,000	$ 150,000
11	Aerobic Digester Foundation	150	CY	$ 1,600	$ 240,000
12	Aerobic Digester Diffusers	1	LS	$ 87,000	$ 90,000
13	Aerobic Digester Blower	1	LS	$ 72,500	$ 70,000
14	Excavation & Backfill	1,300	CY	$ 70	$ 90,000
15	Demolish Existing Sludge Drying Beds	2	EA	$ 20,000	$ 40,000
16	Piping Modifications	1	LS	$ 130,000	$ 130,000
17	Sludge Drying Beds	2	EA	$ 70,000	$ 140,000
18	Electrical/SCADA Upgrades	1	LS	$ 446,400	$ 450,000
19	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 146,500	$ 150,000
20	Erosion & Sediment Control	1	LS	$ 29,300	$ 30,000
21	Final Cleanup & Restoration	1	LS	$ 117,200	$ 120,000
				Subtotal	$ 3,230,000
				25% Contingency	$ 808,000
				Total Estimated Construction Costs	**$ 4,038,000**
	Non-Construction Costs (20% Legal, Financial, Engineering)				$ 807,600
				Total Estimated Project Costs	**$ 4,850,000**

Notes:

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3 *The project area was not reviewed for compliance with ADA guidelines. Construction costs for ADA curb ramps and other ADA facilities are not included in these cost estimates.*

4 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisition are not included in these cost estimates.*

Proposed WWTP Expansion #1 Option 2 Total Estimated Project Cost

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Aeration Tank Slab	110	CY	$ 1,600	$ 180,000
2	Aeration Tank Walls	250	CY	$ 1,700	$ 430,000
3	Aeration Tank Equipment	1	LS	$ 240,000	$ 240,000
4	New Aeration Split Structure	1	LS	$ 75,000	$ 80,000
5	RAS Pumps	2	EA	$ 15,000	$ 30,000
6	Secondary Clarifier Slab	140	CY	$ 1,600	$ 220,000
7	Secondary Clarifier Wall	170	CY	$ 1,700	$ 290,000
8	Clarifier Equipment	1	EA	$ 260,000	$ 260,000
9	Clarifier Split Structure Modification	1	LS	$ 100,000	$ 100,000
10	Aerobic Digester Foundation	150	CY	$ 1,600	$ 240,000
11	Aerobic Digester Steel Tank	1	LS	$ 145,000	$ 150,000
12	Aerobic Digester Diffusers	1	LS	$ 87,000	$ 90,000
13	Aerobic Digester Blower	1	LS	$ 72,500	$ 70,000
14	Excavation & Backfill	1,010	CY	$ 70	$ 70,000
15	Generator	1	LS	$ 400,000	$ 400,000
16	Piping Modifications	1	LS	$ 110,000	$ 110,000
17	Electrical/SCADA Upgrades	1	LS	$ 532,800	$ 530,000
18	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 174,500	$ 170,000
19	Erosion & Sediment Control	1	LS	$ 34,900	$ 30,000
20	Final Cleanup & Restoration	1	LS	$ 139,600	$ 140,000
				Subtotal	$ 3,830,000
				25% Contingency	$ 958,000
				Total Estimated Construction Costs	**$ 4,788,000**
	Land Acquisition	4	AC	20000	$ 80,000
	Non-Construction Costs (20% Legal, Financial, Engineering)				$ 957,600
				Total Estimated Project Costs	**$ 5,830,000**

Notes:

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4 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisition are not included in these cost estimates.*

Proposed WWTP Expansion 2 Total Estimated Project Cost

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Aeration Tank Slab	210	CY	$ 1,600	$ 340,000
2	Aeration Tank Walls	290	CY	$ 1,700	$ 490,000
3	Aeration Tank Equipment	1	LS	$ 180,000	$ 180,000
4	Aeration Split Structure Modification	1	LS	$ 110,000	$ 110,000
5	Excavation & Backfill	400	CY	$ 70	$ 30,000
6	Piping Modifications	1	LS	$ 120,000	$ 120,000
7	Generator	1	LS	$ 400,000	$ 400,000
8	Electrical/SCADA Upgrades	1	LS	$ 300,600	$ 300,000
9	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 98,500	$ 100,000
10	Erosion & Sediment Control	1	LS	$ 19,700	$ 20,000
11	Final Cleanup & Restoration	1	LS	$ 78,800	$ 80,000
				Subtotal	$ 2,170,000
				25% Contingency	$ 543,000
				Total Estimated Construction Costs	**$ 2,713,000**
	Land Acquisition	4	AC	20000	$ 80,000
	Non-Construction Costs (20% Legal, Financial, Engineering)				$ 542,600
				Total Estimated Project Costs	**$ 3,340,000**

Preliminary Engineer's Opinion of Non-Construction Costs

Note 1 *All estimated construction costs are based upon 2023 dollars, and estimated project costs will likely increase with time. Construction costs are volatile and have increased significantly in recent years, due primarily to costs of fuel and raw materials. In providing these cost estimates, Wessler Engineering has no control over the costs of labor, equipment, and materials, or the contractors' methods of pricing.*

2 *The cost estimates are based on past similar projects and were made without the benefit of field survey, design plans and specifications. These estimates are provided on the basis of the Engineer's qualifications and experience. Wessler Engineering makes no warranty, expressed or implied, as to the accuracy of such cost estimates as compared to bids or actual costs.*

3 *The project area was not reviewed for compliance with ADA guidelines. Construction costs for ADA curb ramps and other ADA facilities are not included in these cost estimates.*

4 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisistion are not included in these cost estimates.*

Proposed WWTP Expansion 3 Total Estimated Project Cost

Engineer's Preliminary Opinion of Probable Construction Costs

Item	Description	Est Qty	Unit	Unit Price	Total Price
1	Influent Splitter Box	1	LS	$ 20,000	$ 20,000
2	Screening Building	600	SF	$ 300	$ 180,000
3	Fine Screen	1	EA	$ 145,000	$ 150,000
4	Influent Wet Well	90	CY	$ 1,600	$ 140,000
5	Influent Pumps	1	LS	$ 580,000	$ 580,000
6	Aeration Tank Slab	310	CY	$ 1,600	$ 500,000
7	Aeration Tank Walls	430	CY	$ 1,700	$ 730,000
8	Aeration Tank Equipment	1	LS	$ 480,000	$ 480,000
9	Aeration Split Structure Modification	1	LS	$ 110,000	$ 110,000
10	RAS/WAS Pumps	5	EA	$ 35,000	$ 180,000
11	Secondary Clarifier Slab	140	CY	$ 1,600	$ 220,000
12	Secondary Clarifier Wall	170	CY	$ 1,700	$ 290,000
13	Clarifier Equipment	1	EA	$ 260,000	$ 260,000
14	Clarifier Split Structure Modification	1	LS	$ 100,000	$ 100,000
15	UV System & Channel Modification	1	LS	$ 250,000	$ 250,000
16	Aerobic Digester Foundation	150	CY	$ 1,600	$ 240,000
17	Aerobic Digester Steel Tank	1	LS	$ 145,000	$ 150,000
18	Aerobic Digester Diffusers	1	LS	$ 87,000	$ 90,000
19	Aerobic Digester Blower	1	LS	$ 72,500	$ 70,000
20	Long Term Storage	5,900	SF	$ 35	$ 210,000
21	Dewatering Building Foundation	130	SYS	$ 150	$ 20,000
22	Dewatering Building	1,125	SF	$ 300	$ 340,000
23	Centrifuge Equipment	1	LS	$ 600,000	$ 600,000
24	Chemical Building Foundation	100	SYS	$ 150	$ 20,000
25	Chemical Storage Building	900	SF	$ 300	$ 270,000
26	Chemical Storage Tanks	1	EA	$ 36,000	$ 40,000
27	Chemical Feed Pumps & Piping	1	LS	$ 60,000	$ 60,000
28	Excavation & Backfill	1,810	CY	$ 70	$ 130,000
29	Piping Modifications	1	LS	$ 250,000	$ 250,000
30	Electrical/SCADA Upgrades	1	LS	$ 1,009,800	$ 1,010,000
31	Mobilization, Demob., Bonds, & Insurance	1	LS	$ 331,000	$ 330,000
32	Erosion & Sediment Control	1	LS	$ 66,200	$ 70,000
33	Final Cleanup & Restoration	1	LS	$ 264,800	$ 260,000
				Subtotal	$ 8,350,000
				25% Contingency	$ 2,088,000
				Total Estimated Construction Costs	**$ 10,438,000**
	Non-Construction Costs (20% Legal, Financial, Engineering)				$ 2,087,600
				Total Estimated Project Costs	**$ 12,530,000**

Notes:

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4 *All work is assumed to occur within existing rights-of-way and easements. Non-construction costs for property research and land acquisition are not included in these cost estimates.*

HEBRON
POLICE

611 N. Main Street - Hebron, IN 46341-0038 - Phone (219) 996-2747 - Fax (219) 996-2144

JOSHUA NOEL
CHIEF OF POLICE
SCOTT SEJDA
ASSISTANT CHIEF

Hebron Police Department

Monthly Report

Town Board Meeting

July 18th, 2023

Police Department Stats
June 1st – June 30th, 2023

Officer	Traffic Stops	Citations	Arrest Misd.	Arrest Felony	Calls of Service
June -- 2023	**145**	**44**	**9**	**2**	**120**
May – 2023	182	78	10	7	144
April -- 2023	130	58	9	3	128
March – 2023	119	57	2	3	106
February -- 2023	146	59	4	1	93
January -- 2023	69	33	3	1	125
Total -- 2023	**791**	**329**	**37**	**17**	**716**
Total – 2022	1,686	622	102	29	1,765
Total 2021	*1,529*	*609*	*69*	*27*	*1,423*

Hebron Police Department
Vehicle Report
July 17th, 2022

Vehicle Number	Officer Assigned	Model & Year	VIN: Number	Current Mileage	Mechanical Issues
1	J. Noel	2021 Ford Explorer	1FM5K8AC7MNA06857	23,422	No Issues
2	S. Sejda	2020 Ford F150	1FTEW1P45LKE443737	43,252	No Issues
3	Pool	2016 Ford Explorer	1FM5K8ARGGA04479	118,187	No Issues
6	Pool	2017 Ford Explorer	1FM5K8ARXHGA35946	108,682	Timing Chain
9	B. Swaney	2023 Ford Explorer	1FM5K8AB5PGA04802	5,040	No Issues
11	C. Hayworth	2022 Ford Explorer	1FM5K8AB4NGA42695	10,584	No Issues
13	A. Wood	2021 Ford Explorer	1FM5K8ABXMGC41250	19,770	No Issues
14	R. Green	2019 Ford Explorer	1FM5K8AR9KGB44034	52,119	No Issues
15	C. Dwyer	2017 Ford Explorer	1FM5K8AR3HGB94095	105,454	No Issues