### Floyd County Storm Water Board Minutes Held: February 6, 2024 4:30 P.M.

### Welcome:

Present: Commissioners John Schellenberger, Al Knable and Jason Sharp, County Surveyor John Brinkworth, Director of Operations Don Lopp, Storm Water Coordinator Chris Moore, Attorney Rick Fox and Secretary Teresa Plaiss.

### Regular Meeting

**Program Maintenance:** 

Approval of Minutes – January 2, 2023

Mr. Knable made a motion to approve the minutes of January 2 as presented, seconded by Mr. Sharp. Motion carried by a vote of 4-0.

Mr. Lopp presented the Board with a report of the projects, number of hours spent and the amount of money spent on those projects by Public Works and Operations Department for the month of January.

Approval of Claims - February 6, 2024

Mr. Knable made a motion to approve the claims as presented, seconded by Mr. Sharp. Motion carried by a vote of 4-0.

### **Old Business:**

Erosion Control Report-January - Chris Moore

Mr. Moore stated there are very few findings on the report. (The report is on file with the minutes.)

### **New Business:**

Cedar Point Section 2 - Chris Moore - No Signature

Mr. Moore informed the Board Cedar Point Section 2 is fully built out and ready to be released as complete. Mr. Moore stated this needs to be done by the entity that approved the permit.

Mr. Knable made a motion to allow Mr. Moore to sign the release as requested, seconded by Mr. Sharp. Motion carried by a vote of 4-0

Riley Excavating Site - Jason Miller - Detention Pond Update

Jason Miller with Riley Excavating requested an extension of 15 days to complete the work requested by the Board.

Mr. Moore asked Mr. Miller to seed and straw the site as soon as possible.

Mr. Knable made a motion to extend the deadline Motion carried by a vote of 4-0.	e until February 29, seconded by Mr. Sharp.
Public Comment: Dale Mann, Georgetown, stated he would like to monitors in the meeting room.	see the report Mr. Lopp presented put up on the
Adjournment With there being no other business, a motion m Sharp. Motion carried. Meeting adjourned at 4:4 March 5, 2024 at 4:30 P.M, unless otherwise no	nade by Mr. Knable to adjourn, seconded by Mr. 48 P.M. The next regular meeting of the Board on tified.
John Schellenberger President	John Brinkworth, Vice-President
Al Knable, Member	Jason Sharp, Member

Attest: \_\_\_\_\_\_ Teresa Plaiss, Clerk



### **EPSC Site Review Inspections**

### **Summary Report**

Date of Inspections: February 2024

Performed by: Frank Walden

Assembled by: Cameron Voyles

- \*\* Information in the parentheses next to each item is what was found during the follow up inspection.\*\*
- 1. Billy Joe Mini Warehouses (HWY 150 Floyds Knobs at intersection with Stiller RD)
  - a) Site is dormant.
- 2. Bridlewood (Payne Koehler Road & Chapel Lane)
  - a) Silt fence around soil stockpile. (since 2/24 not fixed)
  - b) Silt fence not maintained in multiple locations. (since 2/24 not fixed)
  - c) No inlet protection, evidence of sediment going into the inlet. (since 2/24 not fixed)
- 3. Cedar Pointe II (Everett Avenue & Highway 150)
  - a) Site is complete.
- 4. Chambord (Paoli Pike and Old Hill RD)
  - a) Only one lot has active construction.
  - b) Perimeter sediment control not installed correctly, some sediment getting into the roadway and gutter. (since 2/24 not fixed)
- 5. Eastridge Borrow Site (Highway 111)
  - a) Site has no issues. Current BMPs are being maintained.
- 6. Eastridge Fill Site (Highway 111)
  - a) Site has no issues, just needs to keep maintaining the rock check dams and keeping the road clear of sediment.

### Sites with evidence of off-site sedimentation

### 7. Gateway Village (Old Georgetown Road) \*\*\*

- a) Basin has minimal protections. (since 2/24 not fixed)
- b) Silt fence near yellow fire hydrant at 4921 Old Georgetown Rd needs maintained. (since 2/24 not fixed)
- c) Stockpile near construction entrance has no perimeter sediment control. (since 2/24 not fixed)

### 8. Glades of Autumn Grove (Kenzig Road)

a) Site is near completion. No problems were found during last inspection.

### 9. Glenwood Farms (Grantline RD and Dub Knob RD) \*\*\*

- a) Disturbed land unprotected, sediment covering curb inlets. (since 2/24 not fixed)
- b) Silt fence not maintained in multiple locations. (since 2/24 not fixed)

### 10. Greenville Substation (South of Miller Evans Road on Pekin Road)

a) Site is complete.

### 11. Grove Park Apartments (East Knable Road)

a) Roof downspout causing minor erosion. (since 2/24 - not fixed)

### 12. Grove Subdivision (St. Joseph Road)

- a) No perimeter sediment control around lot, sediment getting into gutter and roadway (since 2/24 not fixed)
- b) Stockpile with no perimeter sediment control. (since 2/24 not fixed)
- c) Curb inlet protection installed incorrectly. (since 2/24 not fixed)
- d) Evidence of sediment coming from headwall entering basin. (since 2/24 not fixed)

### 13. Henriott Meadows (Henriott Road & Winstewart Road)

- a) Concrete washout full. (since 2/24 not fixed)
- b) Construction entrance not maintained, sediment getting into the roadway. (since 2/24 not fixed)
- c) Inlet protection needs maintained, sediment surrounding it. (since 2/24 not fixed)
- d) Silt fence needs maintained in multiple areas. (since 2/24 not fixed)

### 14. High Pointe (Old Hill Road)

a) No active construction.

### Sites with evidence of off-site sedimentation

- 15. Highlands (Old Vincennes Road and Schrieber Road)
  - a) Silt fence needs maintained in multiple locations. (since 2/24 not fixed)
  - b) Concrete washout is full. (since 2/24 not fixed)
  - c) Construction entrances not maintained, sediment getting into the roadway. (since 2/24 not fixed)
- 16. Kamer Crossing (Kamer Miller Road and Highland Oaks Drive) \*\*\*
  - a) Silt fence needs maintained in multiple locations. (since 2/24 not fixed)
  - b) Basin is unprotected. (since 2/24 not fixed)
  - c) Stockpile has no perimeter sediment control BMP. (since 2/24 not fixed)
- 17. Knob Hill Multi-Family Development (North side of SR 64 just West of Oaks RD)
  - a) No perimeter sediment control in multiple areas where land has been disturbed. (since 2/24 not fixed)
  - b) Unprotected inlet, sediment surrounding the inlet. (since 2/24 not fixed)
- 18. Knob Hill Subdivision (North side of SR 64 just West of Oaks RD) \*\*\*
  - a) No perimeter sediment control around a few lots. (since 2/24 not fixed)
  - b) Concrete washout needs cleaned out. (since 2/24 not fixed)
- 19. Legacy Springs (Corydon Ridge & Old Salem on right Legacy Springs Blvd)
  - a) No active construction.
- 20. Northside Basin North (Charlestown Road)
  - a) Site is complete.
- 21. Poplar Woods (Old Salem Road and Yenowine Lane) \*\*\*
  - a) No perimeter sediment control in multiple areas where land has been disturbed. (since 2/24 not fixed)
  - b) Minor amounts of sediment in roadway/gutter in some locations. (since 2/24 not fixed)
- 22. Receveur Apartments (Mel Smith Road and Grant Line Road)
  - a) Site is completed.

### Sites with evidence of off-site sedimentation

### 23. Riley's Excavating, LLC Site (State Road 62)

a) No issues were found during last inspection.

### 24. Springs of Old Georgetown (Old Georgetown Road & Yenowine Lane)

- a) Multiple inlet protections need replaced, covered in sediment. (since 2/24 not fixed)
- b) No perimeter sediment control in multiple locations where land has been disturbed, sediment getting into the roadway. (since 2/24 not fixed)

### 25. The Timbers (On Edwardsville Galena RD about a mile North of Frank Ott RD)

a) No active construction.

### 26. Villages at Autumn Grove (Kenzig Road)

- a) Silt fence needs maintenance in one location. (since 2/24 not fixed)
- b) Inlet protection needs replaced. (since 2/24 not fixed)

### 27. Villages of Valley View (Lawrence Banet Road) \*\*\*

- a) Silt fence needs maintained in multiple locations. (since 2/24 not fixed)
- b) Construction entrance needs maintained, some sediment getting into the roadway. (since 2/24 not fixed)

### 28. Villas of Floyds Knobs (SW Side of Vincennes RD 1320 ft West of SR 150 – Tuscany Drive) \*\*\*

- a) Only one lot being constructed in subdivision.
- b) No perimeter sediment control around disturbed land. (since 2/24 not fixed)

### 29. Westfield Springs (Alonzo Smith Road & Frank Ott Road)

- a) Multiple inlets unprotected or protections need maintenance. (since 1/24 fixed)
- b) Concrete washout needs cleaned out. (since 12/23 fixed)

### 30. Windsor Creek (Kamer Miller Road)

a) Site is near completion.

### 31. Woods of Skyline (Skyline DR & Skyline CT)

a. No active construction

### Sites with evidence of off-site sedimentation

# REGISTER OF CLAIMS FOR STORMWATER

### **MEETING 03-5-24**

<b>DISCRIPTION</b> FI Co Third Party Review Erosion Control Plans Storm Water Work Plan Activities						
FUND NO. AMOUNT ALLOWED 1197 \$ 3,410.00 1197 \$ 22,123.12		25,533.12		~		a
FUND NO. 11197 \$	*	Φ.				
HERITAGE ENGINEERING, LLC Services Provided to Storm Water District		TOTAL	John Schellenberger, President	John Brinkworth, Vice-President	Al Knable, Member	Jason Sharp, Member
CLAIM # 1 2	100			•		20
<b>DATE FILED</b> 2/27/2024 2/29/2024				9		

### 642 S 4th Street, Suite 100 Louisville, KY 40202 812-280-8201 502-562-1412

Floyd County Government Don Lopp Pine View Government Center 2524 Corydon Pike, Suite 202 New Albany, IN 47150 Invoice number Date 22057-03 03/03/2023

Project 22057 Floyd County Sanitary Sewer Improvements Projects – RFP #01SW

For Professional Services Rendered Through February 28, 2023

Contract   Percent   Prior   Total   Currect   Complete   Billed   Billed   Remaining   Billed   Currect   Prior   Total   Currect   Prior   Total   Currect   Prior   Total   Currect   Prior   Total   Remaining   Billed   Remaining   Billed   Prior   Total   Remaining   Prior   Total   Remaining   Prior   Prior   Prior   Total   Remaining   Prior   Prior   Prior   Total   Prior   Prior	Invoice Summary
Description         Amount         Complete         Billed         Billed         Remaining         Billed           TASK 1A - SURVEY -         16,550.00         60.42         10,000.00         10,000.00         6,550.00         0	
TASK 1A - SURVEY - 16,550.00 60.42 10,000.00 10,000.00 6,550.00	
MITTING TOURS OF THE PROPERTY	Description
THE POSTULE REPORTS	TASK 1A - SURVEY - WHIPPOORWILL HEIGHTS
TASK 1B - SURVEY - FAIRWAY 15,000.00 0.00 0.00 15,000.00 0.00 DRIVE	
TASK 1C - SURVEY - GOLFLAND 7,500.00 80.00 0.00 6,000.00 1,500.00 6,000 ESTATES	
TASK 2A - CONSTRUCTION 35,000.00 20.71 6,650.00 7,250.00 27,750.00 600 DOCUMENTS - WHIPPOORWILL HEIGHTS	DOCUMENTS - WHIPPOORWILL
TASK 2B - CONSTRUCTION 55,000.00 1.09 0.00 600.00 54,400.00 600.00 DOCUMENTS - FAIRWAY DRIVE	
TASK 2C - CONSTRUCTION 35,000.00 3.17 0.00 1,110.00 33,890.00 1,110 DOCUMENTS - GOLFLAND ESTATES	DOCUMENTS - GOLFLAND
TASK 3A - CONSTRUCTION ADMIN - 10,000.00 0.00 0.00 10,000.00 0.00 WHIPPOORWILL HEIGHTS	
TASK 3B - CONSTRUCTION ADMIN - 15,000.00 0.00 0.00 15,000.00 0.00 FAIRWAY DRIVE	
TASK 3C - CONSTRUCTION ADMIN - 7,500.00 0.00 0.00 7,500.00 0.00 GOLFLAND ESTATES	
TASK 4 - EASEMENT PLATS @ 21,000.00 0.00 0.00 21,000.00 0.00 \$1500 EACH	
REIMBURSABLES 0.00 0.00 0.00 0.00 0.00 0.00	REIMBURSABLES
Total 217,550.00 11.47 16,650.00 24,960.00 192,590.00 8,310	Total

Invoice total \$8,310.00

**Aging Summary** 

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
22057-01	01/04/2023	5,250.00		5,250.00			
22057-02	02/06/2023	11,400.00	11,400.00				

Floyd County Governmer Project 22057 Floyd	ent County Sanitary Sew	er Improvements Pro	ojects – RFP #01S\	W	Inv Da	oice number te	22057-03 03/03/2023
Aging Summary Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
22057-03	03/03/2023	8,310.00	8,310.00				
	Total	24,960.00	19,710.00	5,250.00	0.00	0.00	0.00

Approved by:

Robert L. Woosley Jr., P.E.

## February 1 – February 29, 2024 Invoice: 2 Invoice of Services Provided to Floyd County Storm Water District Department of Operations

Code	Date	Location	Location	Amount
9	2.6.24	Bradford Road	Maintenance –Ditch	\$2,188.42
9	2.7.24	French Creek Road	Maintenance –Pipe	\$444.89
9	2.7.24	Jersey Park	Maintenance – Culvert	\$832.98
9	2.7.24	Georgetown-Greenville	Maintenance – Ditch	\$1,250.40
6	2.14.24	Royal Troon	Maintenance – Storm Structure	\$2,077.16
6	2.14.24	East Knable Arthur Coffman Roads	Maintenance – Culverts	\$577.57
6	2.15.24	Royal Troon	Maintenance – Storm Structure	\$1,665.76
9	2.20-2.26	Fairways of Valley View	Maintenance — Catch Basin	\$6,810.00
9	2.26-2.28	Jackson Springs	Maintenance –Curb	\$2,498.62
6	2.28	Budd Road	Maintenance-Culvert	\$2,336.23
Code	Administrative			
6	Cindy Behr	Office Manager –DHPW	Administrative	\$218.0
4	Cameron Voyles	Engineering in Training	Engineering	\$194.93
9	Horacio Urieta	Engineer	Engineering	\$183.58
9	Teresa Plaiss	Administrative Assistant – Operations	Administrative	
9	Don Lopp	Director of Operations	Administrative	\$653.09
4	Frank Walden	Planning Tech	Inspection	\$191.47
Total				\$22,123.12

Storm Water Work Plan Code of Activities

- Public Education and Outreach
  Public Participation and Involvement
- Illicit Discharge Detection and Elimination Construction Site Stormwater Run-Off Control
- Post Construction Stormwater Run-Off Control
- Municipal Operations Pollution Prevention and Good Housekeeping

IsfoT											\$	60,523
equipment Hours	\$	0	\$	\$1.14 S	\$	- 0	\$	- 0	\$	Z	\$	41.14
qulpment fumber of Equipment	Ining2		Pick Up	1	Inhq2		sprint		1ning2			
lesotdu Pagning fringe	\$		\$	e11.95 201.8	\$		\$		\$	-	\$	917.92
lours Worked				or						o		
Hat2 svitsstanimb.	evitestanlmbA		Director Ope	February 22 - Budget Review erations	199nign3		เออกโรกสิ	Bninis1T ni	9lansl9	Tech	Mork	IstoT anb
svitssteinimb	evitestalnimbA		Don Lopp	February 8 - Facility Review								
osal Asterial Asterial Mumber(s)												
umber of Equipment quipment Hours stel	\$	0	\$	0	\$	0	\$					
famoling to sedon	Pick Up		Pick Up		Pick Up							
leto	\$		\$		\$		\$					
lefoldu		0		0	*	0	*					
upervisor ours Worked	Superintendent		Crew Leader	14	Crew Les	Japa						
lefo	\$		\$	9.20	\$	-	Ś					
lumber of Equipment quipment Hours	5.	0	9.40	0	*	0	*					
fasmqlup fasmolio3 to redmit	Dump Truck		Backhoe		Pumper							
egning gnibubul leto	\$	-	\$		- \$		Ś					
lstotduč	\$		\$		\$		30					
umber of Employees ours Worked		0		0		0			*			
rewoque	1/01		Operator		qO 143U	101819	SobboW	lstoT				
λbe												
ems Mame	Soil Erosion Inspec											
Vork Order	2	12,500		Thursday, February 22, 2	45							

### Meek: 2/26/2024 - 2/29/2024

							,					
lefo											\$	<b>76.77</b>
lsto	\$	-	\$	-	\$		Ś	120	¢	_	ć	
short Hours		0	5	0		0	•	0	*	0	4	
lumber of Equipment		0		0		0		0		0		
quipment	Jning2		Pick Up		Sprint		Sprint	Ü	Sprint	Ü		
egnin Fringe	Ś	-	Ś					1011				
letotdu	4	0	· ·	0	Þ		\$	76.77	\$		\$	<b>79.77</b>
lours Worked		0		0		0		\$6.69		0		
Hatz Stative Staff	itentanimbA	9vi	Director Opera	-	onign3		Engineer In	BninierT S	Jninnel9	17ech	Working	letoT
evitestrative	Administrat	evit										
escription of work:	EPSC Februs	ary Summary la	Report									
						February 2	6, 2024			:emsN	Сатего	Λογιες

### Meek: 2/12/2024 - 2/16/2024

lete											\$	<b>76.77</b>
lete	\$		\$	-	\$	-	\$	_	\$	-	Ś	
ulpment Hours		0		0		0		0		0	7	
Imber of Equipment		0		0		0		0		0		
Jujbment	Sprint		Pick Up		Sprint		Sprint		Inhq2			
egnh7 hitw lst	\$	-	\$	-	\$	-	\$	<b>76.77</b>	\$		\$	76.TT
lstotdi		0		0		0		46.58		0		
ours Worked		0		0		0		7		0		
Minstrative Staff	itentenimbA	θΛ	Director Ope	snoite	nign3	199	Engineer In	gninienT	gninns19	Тесh	Morking	lstoT;
evitestrainim	JentsinimbA	əvi										
sscription of work:	SWPPP Revi	iiH donX) swa	ill & St. Joseph Ro	(JAR be								
						February 12	8 15, 2024			:əmeN	camero	n Voyles

- Detroited

### Meek: 2/19/2024 - 2/23/2024

									evit	entelnimbA	evitestralini
king Total	ιοW	дээ Т	gninnel9	Bniniहा T ।	nl 199nign3	ngineer	3	Director Operations	θVi	IsitznimbA	Minstrative Staff
		0		τ		0	0		0		nts Worked
00 00	*	0		76.18		0	0		0		lstoto
66.8E	\$	2	\$	66,8E	\$	- :	•	- \$	e e	\$	egnin7 div les
			Sprint		Sprint	trinc	S	Pick Up		Sprint	ulpment
		0		0		0	0		0		mber of Equipment
-	\$	0	\$	0	\$	0	. 0	- 3	0	¥	uipment Hours
						4				ė	lei
66'8E	\$										let

Is												\$	27.3
Is	\$		\$	12		\$	-	\$	-	\$		\$	-
showent Hours		0		0			0		0		0	· ·	
Ther of Equipment		0		0			0		0		0		
fnamqlı	None		anoM			Mone		anoM		SnoM			
sgnh7 rttiw Is	\$	ZE.TS	\$			\$		\$		\$	2	\$	.72
Istof		22.43		0			0		0		0		
ars Worked		τ		0			0		0		0		
Hest svisestanin	evitentralmbA		Director	Sperations	¥	senign3	,	กรูบ3	Balais1T al 199	Sninns19	Tech	Work	stoT gai
svitstrinin	vitsutinimbA	•											
oice Number(s)												 	
lefial													
Į.								\$	2,168.42				
Įe	\$		\$	4		\$		\$	-				
tpment Hours		0		0		•	0	*					
nber of Equipment		τ		T			0						
fnemgi	Pick Up		Pick Up			Mone							
Is	\$	2733	\$	12.45		\$	1 Total						
lefot	*	42.09	•	28.05		\$		\$	42.28				
irs Worked		T					0						
ervisor	Superintender		Crew Les	19Er		Crew Le	19bs O						
ls	\$	1,183.50	\$	263,46		\$	-	\$	96'9111't				
stuoH Insmai		9		9			0	0.0					
framqlup3 to 19dn		ε		τ			0						
Jasmqi	Dump Truck		Beckhoe			SnoN							
egning Eringe	\$	£925.78A	\$	168.3642		\$	3	\$	26,258				
lstote	\$	02.E8E	\$	138,06		\$	-						
rs Worked		9		9			0						
nber of Employees	200	ε	120	τ			0						
19Woqu	1/01		operator			O 143U	1015154	MoW	IstoT ani				
a	Maintenance-	Ditch											
ect Name	Bradford Rd												
rk Order	VN	In the later of			Tuesday, Febr								

Completed Through 02/16/2024

												_	 		
[PA															SE.75
les	\$		\$				\$		\$		\$				
smoH tremqui		0		0	0		•	0	*	0	•				
tremplup3 to redmi		0		0	0			0		0					
žnamqiu <sub>(</sub>	SnoW		anoN				SnoW		SnoW		SOOM				
sahiri film la	\$	3132	\$			2	\$		\$		\$				E.T.
latotal		22.43		0	0			0		0		,			
be Alocked		T		0	0			0		0					
Het2 sylfettralm!	vitsutaintA	a	Director C	ShoderaqO			Bngineer		anian3	30 inisiT of 195	Planni	doeT an		Sulfing	leto)
avitatioini	ritentalmbA	3.4													
roice Number(s)													 ·		_
leitale															
les									1 \$	97.299,t					
las	\$	<b>VIIV</b>	\$	\$17\$	. 1		\$		\$	82.28					
stuck framqlu		7		7	Z			0	- 67						
mber of Equipment		ī		τ	τ			0							
Insmalu	Pick Up		qU Asiq				anoM								
163	\$	102.66	\$	16.83			\$	-	\$	10711					
lesosa		81.48	*	1.95			•	0	,	20121					
baktoWeal		2		7				0							
rochrisq	Superintende		Crewless				CLEW LES								
[45	\$	789.00	\$	121			\$		\$	00.687					
smolt framqu		9		0				0							
Inamqup3 to tadm		7		0	0			0							
İnəmqiu	Dung Truck		Backhoe				snoM								
agning gnibulant let	\$	4804,658	\$				- \$		\$	623.41					
lefofd.	\$	21130	\$				\$								
urs Worked		9,		0	0		•	0							
essyolom3 to radm		*		0				0							
19Wodne	Aaı		1ofe19qO				व्यापश्चा		Mortin	IstoT 3/1					
ed.	Maintenance	sampning-													
Smith 100[c		ce Catch basin rep													
ock Order	350641-3506	715			IUC1203	7. February 15, 202	6.7								

83.581	\$					82.581	\$					lsto
	\$	0 0	Sprint \$	0	foings \$	0	\$ Jujuds	0	- \$ b!ck Nb	0	Jninq2 \$	fusmajub Samber of Equipment Sament Hours Isso
82,581	\$		\$		\$	183,58	\$		- \$		\$	9g∩h7 rifiw leso
lsfoT gni	Work	15ech 0 0	Buinnel9	Bnlnis1Tnl 1 O O	Enginee	250.54	กา้ลูกสิ	0	Director Operations	0	evitestraimbA	Natzatīve Staff ours Worked Istosdi
			1 350 815					Date: February 13, 2024			3902 Knable Ct. Fr Administrative	eviteutrinimb
				stelnU obsto	Name: H			Date: February 02, 2024	age Inspection 2 hrs	Ct. Backyard Drain	3411 Wyndswept	escription of work:

Completed Through 02/16/2024

last												\$	£.7 <u>.</u> 3
trions from the state of the st	\$		\$		\$	- 2	\$	-	\$			\$	
		0		0		0		0			0		
Insmolut Insmolup3 to rednu		0	275767	0		0		0			0		
10smalu	anoM		SOOM		noM		SnoW		N.	91			
sal with Fringe	\$	25.75	\$		\$		\$		\$			\$	.75
16303d		22.43		0		0		0			0		
be Worked		τ		0		0		0			0		
Rat2 svits stenimi	svitetanimbA	,	Director Open	spore	gn3	1991	13/3	Sainlast of 1990	H	ball gains	цх	NoW	stoT anu
svitstrinint	rvösvelnimbA	•											
voice Number(s)			•										
lshats													
(E)							\$	94.899,1					
143	\$	4TI4	\$	*17#	\$		\$	82.28					
swoH Insmqiir		7	•	7	•	0	1						
framql:p3 to radm.		τ		τ		0							
Jusmqiv	QU \$374		Pick Up		noM								
las	\$	105.66	\$	19.89	\$		\$	10.111					
lesosa		81.18		1.95		0							
be know stud		Z		7		0							
pervisor	Superintender	1-	Crewleader		na)	Leader							
las	\$	00.687	\$		\$		\$	00.687					
aruoH anamqiv		9		0		0							
Inample 3 to redom		7		0		0							
Insmqlu	Sunt groud		Sochhoe		ucM								
saning Fringe	\$	623,4084	\$	-	\$		\$	14.653					
Istotdu	\$	02112	\$		\$	-							
was Worked		9		0		0							
anpower arber of Employees	1/01	4	Operator	0	49/1	TotalsqO 0	Mork	IstoT 3ni					
ed	- apueusquieW	Structures											
emsN toelo		t Catch basin repair											
ork Order	350641-32064			Vepsings									

											2. 27.1	-		
ls1													\$	£.7 <u>\$</u>
lsf	\$		\$			\$		\$		\$			\$	
ulpment Hours		0		0			0		0	•	)	0	•	
Insmqlup3 to 19dmi		0		0			0		0		,	0		
Insmqlu	None		Mone			anoN		None	15.0	Mone				
egnin'i d'itw let	\$	26.72	\$			\$		\$		\$			\$	E.72
lefotal		22.43		0			0		0	•	1	0	*	
virs Worked		T		0			0		0		,	n		
Hat2 Sylsatznim	svitsutanimbA		Director Open	snoils		ารรถเล็กสิ		กโรก3	BninistT nl 199	Innel9	riseT gni	·	Mor	IstoT Baik
evitestslnim	evitestalnimbA													
sitetis! soice Number(s)														
let								\$	2,077.16					
lei	\$	246.84	\$	18.812		\$		\$	493.68					
vipment Hours		9		9			0							
Insmolup3 to 19dm		Z		7			0							
framqiu	Pick Up		Pick Up			SnoM								
les	\$	102.66	\$	14.89		\$	2	\$	70.171					
Istoto		81.43	*	1.92		,	0	2	20121					
urs Worked		7		7			0							
pervisor	Superintendent	,	Crew Leader			Crew Lead								
İsi	\$	00.63T	\$	-		\$		\$	00,687					
shoot framqlu		9		0			0							
Insmolup3 to 19dm		2		0			0							
Juemeir	Ουπρ Τιυτέ		Backhoe			SnoW			•					
Sanhi Zalbubal lei	\$	4804.653	\$			- \$		\$	14.529					
lefold	\$	511.20	\$	-		\$	-							
urs Worked		9		0			0							
mber of Employees		v		0			o							
npower	1/01		TofereqO			sq0 idgU	Tofate	thoW	IstoT ani					
90	Maintenance -5	serutourta												
emsM toeld			usta National repair to	nized Astes										
ork Order	320641-320642				Wednesday, February 14, 20									

le											\$	5.72
	-		200									
e e e e e e e e e e e e e e e e e e e	\$		\$			- \$	\$		\$		\$	-
snuoH Jnamqi		0		0		0		0		0		
Joseph Equipment		0		0		0		0		0		
lpment	None		Mone			None	Mone		Mone			
egnin Fringe	\$	25.72	\$			- \$	\$		\$		\$	77.
lefot		22.43		0		0	*	0	•	0	•	20
rs Worked		τ		0				0		0		
Het2 svitsstrain	Adminstrative		Director C	perations		Engineer O	nign3	SolnistT ni teer	Planning	Tech	Now	toT anb
evitestrinin	Svits strinimbA	ę										
erial Ace Number(s)												
Į.							\$	LS:LLS				
I.	\$	41.14	\$	41.14		- \$	\$	82.28				
stuoff fnemqi		7		7		0	- 8					
finamqiup3 to 19da		τ		τ		0						
pment	Pick Up		Pick Up			Mone		*:				
r	\$	33,501	\$	14.89		- \$	\$	70.171				
lsto:		81.48		1.92		0						
rs Worked		Z		7		0						
sosivis	Superintenden	J.	Crew Lead			Crew Leader						
	\$	•	\$			- \$	\$					
pment Hours		0		0		0						
sher of Equipment		9		0		0						
fnemq	Pumper		Васклое			None						
egning gnibulant l		1558,221	\$	Z#9E'89T		- \$	\$	324.22				
lefot	\$	127.80	\$	138,06		- \$						
rs Worked		9		9		0						
ber of Employees		τ		τ		0						
power	1/01		101619qO			Tofa19qO fdgU	Work	letoT anb				
	Maintenance -											
ensk 159		nemitoD nufth Tess										
k Order	355542830583	68			Wednesday, February 14, 20							

153													
Ist												\$	27.3
led	\$	(*)	\$	-		. \$	2	\$		\$	-	\$	
ulpment Hours		0		0			0		0	Ť	0	3	
framqlup3 to 19dm		0		0			0		0		0		
Insmell	Mone		None			Mone		Mone	-	SnoN			
egnin'i d'ivv le	\$	27.35	\$			. \$		\$	_	\$			
latot		22.43		0		*	0	•	0	>		\$	.72
urs Worked		τ		0			0		0		0		
Hest svitestenin	vitentenimbA		Director Open			199nign3		enign3	SolnistT nl 19:	plannin	dosT a	Work	stoT Sni
evitestelnim	ritestainimbA	9/											
				85									
(s)sequiny este													
Isise													
fe								\$	83.588				
le.	\$	72.0 <u>5</u>	\$	72,05		- \$	-	\$	41.14				
Ipment Hours		τ		τ			. 0						
framqivp3 to 19dn		τ		τ			0						
fament	Pick Up		Pick Up			Mone							
Is	\$	51.33	\$	34.21		- \$	-	\$	<b>\$5.28</b>				
lesos		45.09		28.05		*	0	3	N3 30				
rs Worked		Ţ		T									
rosivis	Superintende	ţu:	Crew Leader	•		Crew Lead	nebi O						
· le	\$	05'#6E	\$			- \$		\$	05.148				
ipment Hours		ε	10. <b>V</b> .0	0		*	0	• •	03 102				
finemqlup3 to redr		Z		0			o						
fnemq	Dump Truck		Backhoe			Mone	Ū						
93nin 3 Enibulan I la	\$	311.7042	\$			- \$		\$	07.11.5				
Istote	\$	255.60	\$			- \$							
bashoW 21		ε		0			0						
ber of Employees		Þ		0			0						
19Wod	1/01		Operator			Ught Oper	101s1	Working	IstoT 3				
a	Maintenance	- Culyert											
ect Name	Jersery Park T												
'k Order	AN.	4.45 mm			Friday, February 7, 202.								

le													
												\$	E.T.S
le	\$	•	\$			\$	-	\$		\$	•	\$	-
Ipment Hours		0		0			0		0		0	**	
Jnemqlup3 to redn		0		0			0		0 .		0		
finent	anoM		None			Mone		Mone		Mone			
93nin7 Atiw le	\$	ZE.YS	\$			\$		\$		\$		\$	.7.2
lstot		22.43		0			0		0		0	*	
rs Worked		τ		0			0		0		0		
Het2 svitestznin	witestralmbA	a.	Director O	snoiteraqo		อกรูกส		กรูก3	SolnistT ni 199	ninnsl9	doeT &	Not	JoT Sab
evidentsinir	vitestrinimbA	9.4											
teital Ace Mumber(s)													
16								\$	1,250.40				
į.	\$	17.13	\$	17.13		\$	_	\$	123.42				
pment Hours		ε	•	ε		,		>	SAFCI				
finemqlup3 to redu		τ		Ţ			0						
pment	Pick Up	•	Pick Up	•		SnoM	0						
r													
	\$	51.33	\$	15.45		\$		\$	<b>\$5.28</b>				
beshow an		60.SA		28.05			0						
		τ		ī			0						
rylsor	Superintende	10:	Crew Lesc	191		Crew Le	19bs:						
1	\$	54.162	\$	ELTET.73		\$	-	\$	84.527				
enent Hours		ε		ε			0	*	0, 000				
Jack of Equipment		ε		τ			0						
pment	Dump Truck		Bsckhoe			SnoW							
Sanhi gaibulani i	\$	2877.EES	\$	1281.48		\$		\$	95.71E				
letot	\$	07.191	\$	£0.69		\$							
rs Worked		8		3			0						
ber of Employees		ε		τ			0						
19Woq	1/01		10fs18qO			OJÁSU	10fe19q	Work	lefoT gni				
19	Maintenance-	- Ditch											
emsN to	10900 Gtown-												
K Order		HAMMAN			Wednesday, Februsry 7,								

											-			
16													\$	£.7 <u>5</u>
alpment Hours	\$	0	\$	-	0		\$	0	\$	-	\$		\$	-
mber of Equipment		0			0			0		0		0		
Insmeit	SnoN	0	SnoN		U		None	U	SuoN	U		0		
•							90014		anoM		Mone			
agnhī fringe	\$	25,75	\$				Ś	-	\$		Ś	-	\$	27.5
Istoto		22.43			0		100	0		0		0	*	
urs Worked		τ			0			0		0		0		
Het2 svitettenim	SvitsutanimbA		Oltector O	Sperations	sı		อกเริก3		Engine	BulnistT nl 1	gninnsi9		Worl	stoT gal
əvifevtinim	evitestainimbA													
le terial oice Number(s)														
ls 1s									\$	68.444				
	\$	-	\$	-			\$	-	\$	•				
anot Hours		0			0			0						
Insmqlup3 to 1sdr		τ			τ			0						
finent	Pick Up		Pick Up				SnoN							
Įē	\$	51.33	\$	34.2	12.		\$	-	\$	42.28				
letot		45.09	350		50'8			0	*	12.20				
urs Worked		τ			τ			0						
Tosivie	Superintendent		Crew Lead				Crew Le							
ls	\$	22.791	\$		5.		\$		\$	22.791				
short Hours		3			0			0						
nber of Equipment		τ			0			0						
fnəmqi	Pumper		Backhoe				Mone							
egning Fringe		1976.77	\$	281.182			\$		\$	162.11				
lstotd	\$	06,53	\$	0'69			\$	-						
us Worked		ε			ε			0						
nber of Employees		τ			τ		With the second and a second of	0						
19Woqn	1/01		Operator				Oidail	1058190	Working	lefoT a				
ə	Maintenance - P	Pipe												
ect Name	2628 French Cre													
rk Order	Company of the Company	6EP6TE			Wednesday, Fo	707 1 4 150 10								

Yiennel

leto										\$	17.42
uipment lumber of Equipment stuoH Anamqiup Isto	fning2	0	\$ bick NB	0	fring2	0	Juliq2	fning2 \$	0 0	\$	
dminstrative dminstrative Staff sucs Worked batostal otal with Fringe	ovitestrainmbA ovitestrainmbA \$		Director Open	o o o o o o o o o o o o o o o o o o o	Engineer \$	0 0	gninlesT ni ¬aənign∃	T gninnelq \$	- 0 0 ecy	Morking Total	T.Z.ÞS
escription of work:	Storm Water					February	A SOS#		увше:	Teresa Plaiss	

### Meek: 2/12/2024 - 2/16/2024

otal											\$	<b>76.77</b>
lsto	\$		\$	-	\$	-	\$	-	\$		\$	-
shoh themqiup:		0		0		0		0		0	•	
fumber of Equipment		0		0		0		0		0		
dulpment	Sprint		Pick Up		fuing		5print	Ü	Sprint	U		
egnin'i Hiiw leto	\$		\$	-	\$	-	\$	<b>76.77</b>	Ś	( <del>-</del> ()	\$	76.7 <i>T</i>
letotdu		0		0		0		46,58		0		LO LL
fours Worked		0		0		0		Z		0		
Het2 svitestrafimb/	istratimbA	evit	Director Opera	snoits:	Engine		nl 199nign3	(Table )	3ninns19	Тесћ	Working	leto
evitentsinimb/	tentsinimbA	evite										
Sescription of work:	2WPPP Rev	iiH donX) sweiv	ill & St. Joseph Roa	AA RAL)								
					ł	February 12 8	\$ 12' SOSt			:əmeN	Cameror	Λογιες

### Meek: 2/19/2024 - 2/23/2024

66,8E	\$											lstoT
	\$		\$		\$	-	\$	-	\$		\$	letoT
		0	•	0		0		0		0		Equipment Hours
1		0		0		0		0		0		Mumber of Equipment
			Sprint		Sprint	1	Sprin		Pick Up		Ining2	Equipment
65100			Ś	66.85	Ś		¢	12	ė	_	ė	Foral with Fringe
66,8E	\$	0	\$	76.15	ş	0	ş	0	¥	0	4	Subtotal
		0		ZO 12		0		0		0		Hours Worked
lefoTg	Working	•	T gninns19	gninisiT	EngineerIn		nign3		Director Open	tive	entenimbA	Hat2 evitestenimbA
										evite	sıtzinimbA	9vits 1 tinimbA
								JAR be	g @ 2f. Joseph Ro	ırction Meetin	Pre-Constr	Description of work:
on Voyles	Camero	:emeN			53, 2024	February						

LL	\$				8							IstoT
	\$	-	\$	-	\$	-	\$	-	\$	-	\$	lstoT
	-	0	-	0		0		0		0		Equipment Hours
		0		0		0		0		0		Number of Equipment
			Sprint		Sprint	) t	Sprin		Pick Up		Jning2	Equipment
LL	\$	-	\$	76.77	\$	_	\$	-	. \$	¥	\$	Total with Fringe
		0		46.59		0		0		0		Subtotal
		0		7		0		0		0		Hours Worked
leto	Working T	еср	T gninnsI9	gninienT	Engineer In	neer	ign3	snoits	Director Ope	evite	sıtznimbA	Hete Stative Staff
										evite	nteinimbA	9vi1s1telninbA
									y Report	nemmu2 (neu	Eb2C Eepi	Describtion of work:
οίγον	Cameron /	:əmeN			56, 2024	February 2						

						7							
							19						
ls												\$	109°
l <sub>s</sub>	\$	2	\$	2		\$	-	\$	_	\$		\$	
show finamqli		0		0		*	0	*	0	*	Z	P	
fine of Equipment													
Jnemgli	Sprint		Pick Up			Sprint		Sprint		Ining2			
egnin7 ritiw le	\$	8	\$			\$	-	\$		\$	14.601	\$	709°
Istoti		0		0			0		0		27.63	17.	10000
urs Worked											Þ		
Het2 eviteutin	Adminstrative		Director	Operations		199nign3	1	Tagineer	gnlols1T nl	Plann	doeT En	Work	king Tota
aviteutinin	Administrative												
oice Number(s)												 	
lsha													
1								\$	-				
Į.	\$	-	\$			\$	-	\$					
Prment Hours		0		0			0						
finemqlup3 to 19dn	11740000000000												
Jusmqi	Pick Up		引がらる			Pick Up							
Įe	\$	-	\$	-		\$		\$					
Istot	*	0	*	0		4	0	7					
rs Worked							Ü						
102ÍV19	nsbnsfnhsqu2		Crew Lea	Jab		Crew Lea	ader						
Įŧ	\$		\$	-		\$		. \$					
shout Hours		0	*	0		*	0	*					
nber of Equipment													
fnamqi	Dump Truck		Backhoe			Pumper							
egning Enibubal le	\$		\$			- \$		\$					
Istoto	\$	-	\$	-		\$	-						
rs Worked		0		0		1050	0						
nber of Employees	.020												
Jawodi	J/QT		Operator	1		Ught Ope	oerator	Working	Total				
ē													
ect Name	Soil Erosion Ins	sections											
rk Order	QUANTES OF	12			Thursday, February 22,	\$707							

Įe:														\$	90.58
														Þ	2 68
le:	\$	-	\$	-			\$	2	\$		\$			\$	
shoot Hours		0		0				0		0		0			
mber of Equipment													*))		
fanent	Sprint		Pick Up				Sprint		Sprint		Jungs				
egnin'i div le	\$		\$	-			\$		\$		\$	90,58		\$	78
Istot		0		0				0		0		67.79		*	-
urs Worked												ε			
Hate sylfatterin	evitestanimbA		Director	Sperations			enign3	19	nign3	gninistT ni te	plann	ng Yech		Work	oT Sal
evitestalnin	SvitstratinimbA														
f-1												-			
ice Number(s)															
l erlal															
l l	\$		\$						\$	•					
shoot Josep	,	0	>	0			\$		\$	•					
framqluga to radi		U		U				0							
Insmqi forceleares	Pick Up		Pick Up				ויי אפוני								
i de la companione de l	-11-1-14		-11 7-10				111440							18	
I.	\$	-	\$	1.5			\$		\$	-					
lstot		0		0				0	•						
rs Worked															
ervisor	Superintendent		Crew Le	19b			Crew L	rabea							
le le	\$		\$				\$		\$						
pment Hours		0		0				0	•						
framqlup3 to radn															
Jusmqi	Dump Truck		Backhoe				Pumpe	3							
egnhi gnibubni le	\$		\$				\$		\$						
Istote	\$		\$	10.00			\$								
rs Worked		0		0				0							
nber of Employees															
Jawodi	TD/L		oferago	43			D 14 <u>5</u> U	perator	ShoW	IstoT 3					
											-				
ect Name	Soil Erosion Insg	suotions													
rk Order	TO STREET, STR	1			Friday, Februs	ary 23, 2024									

.





To:

Mr. Chris Moore,

Stormwater Coordinator

Floyd County Stormwater Dept. 2524 Corydon Pike, Suite 201

New Albany, IN 47150

File:

175568500

From:

Kristen Hewes

Michelle Bough, GISP

Stantec Consulting Services, Inc. 9200 Shelbyville Road. Suite 800

Louisville, KY 40222

Date:

February 28, 2024

### Reference: Draft 2024 Stormwater Billing System Updates and Projected Revenues

Stantec Consulting Services Inc. (Stantec) recently assisted Floyd County with updates to the County's Stormwater Billing System. Stantec has worked closely with representatives from the Floyd County Assessor's Office, Auditor's Office, and Stormwater Department to complete this work. Coordination efforts have included meetings, conference calls, and emails with Floyd County staff.

Stantec's task involves assisting Floyd County with developing the stormwater billing system file, which is used by Floyd County to assemble stormwater user fee information onto the property tax file. In order to complete this effort, Stantec utilized digital files from Floyd County's geographic information system (GIS) and Floyd County's 2023 aerial photography to spatially analyze data. Final deliverables, including updates to the impervious surface layer and the development of the stormwater billing file, were delivered to Floyd County on February 21, 2024 and February 27, 2024.

The estimated revenue for the 2023 stormwater billing is \$831,483.90, as detailed in the following table. Due to some parcel numbers not being active in the auditor's billing system until 2025, there was approximately \$1,217 that could not be billed and is not included in the projected revenue value. Projected revenues from previous years are shown in the second table.

Property Classification	No. of Bills**	ERUs	Avg. ERU	Avg. Bill	Projected Revenues
Agricultural	1,073	2,315	2.2	\$85.80	\$90,266
Commercial/Industrial/etc.	1,209	4,768	3.9	\$152.10	\$185,944
Residential*	14,170	14,238	1.0	\$39	\$555,274
2024 Totals	16,452	21,320			831,484

<sup>\*</sup>Note: Residential includes all 500-level classified properties (single family residential, multi-family residential, etc.).

<sup>\*\*</sup>Vacant property class codes are not included in the number of bills (for example, property classes 100, 300, 500, etc.).

<b>Billing Year</b>	<u>Total Revenue</u>	<u>Difference</u>
2020 Billing File	\$771,112	\$14,375
2021 Billing File	\$773,366	\$2,254
2022 Billing File	\$781,552	\$8,186
2023 Billing File	\$805,206	\$23,654
2024 Billing File	\$831,484	\$26,278

<sup>\*</sup>Note: The updated revenue estimate from Floyd County data integration may be slightly different due to changes made to the parcel data after January 1, 2024.



February 28, 2024 Mr. Chris Moore, Stormwater Coordinator Page 2 of 2

Reference: Draft 2024 Stormwater Billing System Updates and Projected Revenues

Stantec appreciates the opportunity to work with Floyd County on this important effort. Should you have any additional questions or comments regarding this correspondence or Floyd County's stormwater program management efforts, please feel free to contact us at your convenience.

Stantec Consulting Services Inc.

Kristen Hewes Project Manager Michelle Bough, GISP Senior GIS Analyst

Appendix A: Stormwater Billing Process Overview



### Appendix A: Stormwater Billing Process Overview

### Overview of Stormwater Billing Process:

The Floyd County Assessor's Office maintains the property classification codes (i.e. 511 single-family residential), for more than 45,000 properties in the County. Floyd County's stormwater billing process is based on the property classifications completed by the Assessor's Office.

After receiving the primary GIS data from the Floyd County offices, the data is compiled and utilized within ESRI® ArcGIS Desktop software for the geospatial and database analyses. As part of the process associated with generating the stormwater billing file, a series of queries, filters, and comparisons were applied to the various data sets. For a basic example, properties inside the incorporated areas of Georgetown, Greenville, and New Albany (Master Parcel numbers ending in 03, 05, 08) were removed from the analysis, as these parcels are not located inside Floyd County's stormwater service area. Topology rules were applied to determine overlap of impervious surfaces. Parcels with matching Master Parcel IDs were grouped together to simplify billing and help improve billing accuracy. Analyses were also performed to help identify potential anomalies or discrepancies among the data sets. Examples may include parcels with no property classification, or impervious surfaces that have been inventoried on a property classified as vacant or single family residential (SFR). Because vacant properties receive no bill and single-family residential properties are a flat rate of \$39 per equivalent residential unit (ERU) per year, impervious surfaces should not be inventoried for these parcels. There are some instances in which impervious areas exist on properties classified as vacant in the current aerial photography. In cases where impervious polygons exist in the impervious area GIS file, the Stormwater Director has instructed that the impervious area for those parcels be tied to the adjacent billable property with same owner, if possible.

Properties assessed as non-vacant, non-single family residential (commercial, industrial, etc. properties that have structures or other improvements) that do not contain impervious surface are identified. These situations can arise for new developments, or when the Assessor identifies a non-single-family residential property as improved that was previously assessed as vacant.

Stormwater billing reductions, referred to as credits, were applied based on Floyd County's Credits Policy, adopted December 21, 2021. Credit applications and approvals are maintained by the Floyd County Stormwater Department. Floyd County provided a list of inventoried credit-eligible properties, and the credits were applied to the applicable property. The low impact parcel credit was automatically applied based on comparing the total property area versus the square footage of impervious surface (i.e. impervious surface divided by parcel area: less than 5%, credit is 30%; between 5% and 6%, credit is 20%; between 6% and 7%, credit is 10%).

Based on instruction from the Floyd County Stormwater Department, impervious surfaces located on single family residential properties are removed from the GIS impervious data. These properties are assessed as a flat rate; therefore, no impervious surfaces should be included on these parcels. Any impervious surfaces on these properties were likely performed due to historic property classifications. Removal of impervious surfaces from single family residential properties has no impact on the overall bill and should help avoid confusion for future management of stormwater billing system data.

After performing the necessary steps for calculating the stormwater fee for each property in Floyd County's stormwater jurisdiction, Stantec exports the results from ArcGIS to the file format necessary for Floyd County to assemble the information into the annual tax billing database. A draft stormwater billing file (10 records) was sent to Floyd County on February 6, 2024 to evaluate overall compatibility. On February 12, 2024, Stantec informed that the format of the billing file has changed and a revised formatted test file was provided on February 15, 2024 for import testing to Low Associates. The final billing file was sent to Floyd County and Low Associates for incorporation into the billing system on February 21, 2024.



March 3, 2023 Mr. Chris Moore, Stormwater Coordinator Page 2 of 2

A general overview of the billing update workflow is provided below as an outlined summary.

- 1. Review data for overlaps in Floyd County impervious dataset (ESRI topology rule).
- 2. Determine if Parcel will be included in Analysis.
  - If the last two digits of IN\_Master identifier is not equal to 03, 05, 08 (Incorporated Areas), parcel is included in analysis. If last two digits of IN\_Master identifier are equal to 03, 05, 08, parcel is excluded from analysis.
- 3. Determine which parcels are considered the "Master" parcel (master parcel is where IN\_Master identifier & IN\_Parcel identifier are equal).
- 4. Compare the impervious surface identifiers to Floyd County parcel data the IN\_Master identifier and IN\_Parcel identifier number should spatially match between the datasets. Exceptions to this rule are obtained from Floyd County.
- 5. Review data for anomalies.
- 6. Based on the IN\_Master identifier and property class the ERU is established.
  - a. Calculate the base ERU
    - i. If SFR 1 ERU
    - ii. If no property class is listed in parcel data or is a vacant property class ERU o
    - iii. If total impervious area on parcel is <100 sq ft, ERU o
    - iv. If improved (Non-SFR, Non-Vacant) sum of total square footage of impervious area based on IN\_Master identifier/3700
  - b. Low Impact Credit Established (where applicable for Non-SFR) based on percentage of parcel that is impervious. If the total impervious square footage based on master identifier is less than 7% of the total parcel square footage based on master identifier, a low impact credit is applied.
    - Low impact value = total impervious square footage/total parcel square footage
      - i. If low impact value < 0.05 (5%) then reduction of 30%
      - ii. If low impact value > 0.05 (5%) and < 0.06 (6%) then reduction of 20%
      - iii. If low impact value > 0.06 (6%) and < 0.07 (7%) then reduction of 10%
  - c. Stormwater credits are applied based on information from Floyd County Stormwater Dept.
  - d. Total credit reductions established = (low impact credit reductions + stormwater credits)
  - e. Final ERU established based on equation (base ERU (base ERU \* total credit reductions))
  - f. Review data for ERUs that result in a value <1. If an ERU is established (SFR or Non-SFR) the minimum ERU is 1
  - g. Bill Amount = final ERU \* 39