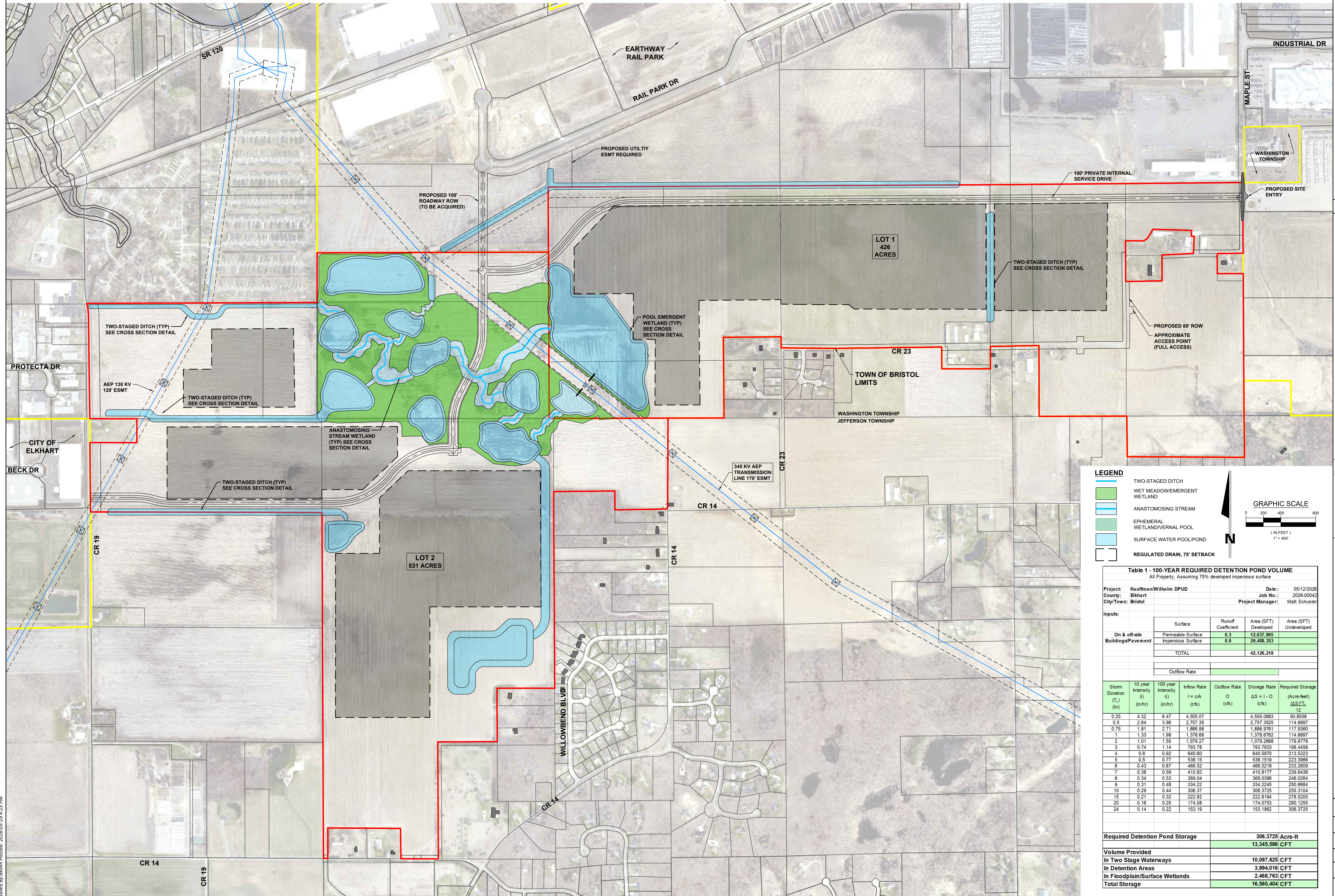


# BRISTOL INNOVATION PARK - DPUD

SITE PLAN SUPPORT DRAWING  
 PART OF SECTIONS 32, 33 AND 34, T38N, R6E, WASHINGTON TOWNSHIP  
 PART OF SECTION 03 AND 05, T37N, R6E, JEFFERSON TOWNSHIP  
 ELKHART COUNTY, INDIANA

THIS DRAWING IS SCHEMATIC IN NATURE. PRIOR TO DEVELOPMENT OF THE PROPERTY, THE DEVELOPER AND/OR END USER SHALL SUBMIT PLANS FOR DEVELOPMENT OF THE PROJECT WHICH COMPLY WITH ALL OF THE RESTRICTIONS FOR THE BRISTOL INNOVATION PARK DPUD ALONG WITH ANY RECORDED RESTRICTIVE COVENANTS.



**LEGEND**

- TWO-STAGED DITCH
- WET MEADOW/EMERGENT WETLAND
- ANASTOMOSING STREAM
- EPHEMERAL WETLAND/VERNAL POOL
- SURFACE WATER POOL/POND
- REGULATED DRAIN, 75' SETBACK

**GRAPHIC SCALE**  
 0 200 400 800  
 (IN FEET)  
 1" = 400'

**Table 1 - 100-YEAR REQUIRED DETENTION POND VOLUME**  
 All Property, Assuming 70% developed impervious surface

Project: Kauffman/Wilhelm DPUD Date: 05/12/2026  
 County: Elkhart Job No.: 2026-00042  
 City/Town: Bristol Project Manager: Matt Schuster

Inputs:	Surface	Runoff Coefficient	Area (SFT) Developed	Area (SFT) Undeveloped
On & off-site Buildings/Pavement	Permeable Surface	0.3	12,637,865	
	Impervious Surface	0.9	29,488,353	
<b>TOTAL</b>			<b>42,126,218</b>	

Storm Duration (T <sub>c</sub> ) (hr)	10 year Intensity (i) (in/hr)	100 year Intensity (i) (in/hr)	Inflow Rate (I = cIA) (cfs)	Outflow Rate (O) (cfs)	Storage Rate (ΔS = I - O) (cfs)	Required Storage (AS <sub>ST</sub> ) (Acre-feet)
0.25	4.32	6.47	4,505.07		4,505.0683	93.8556
0.5	2.64	3.96	2,757.35		2,757.3525	114.8897
0.75	1.81	2.71	1,866.98		1,866.9761	117.9360
1	1.33	1.98	1,378.68		1,378.6763	114.8697
2	0.91	1.55	1,078.27		1,078.2668	179.8776
3	0.74	1.14	793.78		793.7833	198.4458
4	0.6	0.92	640.60		640.5970	213.5323
5	0.5	0.77	536.15		536.1519	223.3966
6	0.43	0.67	465.52		465.5218	233.2609
7	0.38	0.59	410.82		410.8177	239.6436
8	0.34	0.53	369.04		369.0396	246.0284
9	0.31	0.48	334.22		334.2245	250.6684
10	0.29	0.44	306.37		306.3725	255.3104
15	0.21	0.32	222.62		222.6164	278.5205
20	0.16	0.25	174.08		174.0753	290.1255
24	0.14	0.22	153.19		153.1862	306.3725

<b>Required Detention Pond Storage</b>	<b>306.3725 Acre-ft</b>
	<b>13,345,586 CFT</b>
<b>Volume Provided</b>	
In Two Stage Waterways	10,097,625 CFT
In Detention Areas	3,994,016 CFT
In Floodplain/Surface Wetlands	2,468,763 CFT
<b>Total Storage</b>	<b>16,560,404 CFT</b>

REV	DESCRIPTION	BY	DATE

JONES  
 PETRIE  
 RAFINSKI

South Bend, IN  
 p. 574.232.4386  
 Fort Wayne, IN  
 p. 260.422.2522

PRELIMINARY FOR PERMIT REVIEW PURPOSES ONLY  
 NOT FOR CONSTRUCTION

BRISTOL INNOVATION PARK  
 KAUFFMAN/WILHELM  
 ADDRESS  
 BRISTOL, IN  
 WETLAND RESTORATION & STORMWATER STRATEGY

DESIGNED BY: KJ  
 REVIEWED BY: -  
 DRAWN BY: DK  
 REVIEWED BY: -  
 DATE: APRIL 2026  
 JOB NUMBER: 2026-0042  
 HORIZ. SCALE: 1" = 400'  
 VERTICAL SCALE: NONE

**SHEET 7**

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