





### TOWN OF ZIONSVILLE REDEVELOPMENT COMMISSION CREEKSIDE: ZIONSVILLE'S LOW IMPACT DEVELOPMENT COMMERCE PARK

**INAFSM Annual Conference** 

September 6, 2017





### **Overview**

- Project Background
- Existing Conditions
- Project Goals
- Concept Planning
- Final Project
- Summary
- Questions & Answers





# Project Background



#### **Development Team**

• Developer:

Town of Zionsville Redevelopment Commission

- Civil Engineer & Lead Consultant: HWC Engineering
- Landscape Architect:
- Environmental:
- Contractor:

Rundell Ernstberger Associates

Christopher B. Burke Engineering, LLC

Sub-Surface of Indiana, Inc.



#### **CREEKSIDE CORPORATE PARK: DEVELOPMENT CONCEPT**



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**Creekside Corporate Park : Development Concept** 

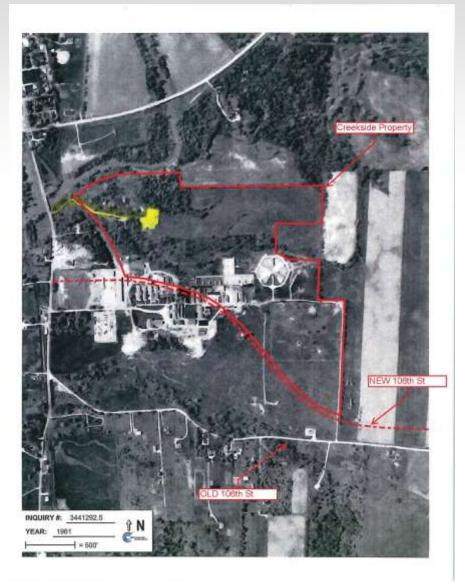


#### **2014 Prior to Redevelopment**





#### **1961 DOW Chemical Company Property**





#### **Pitman-Moore Gun Club**

165, purres on the of the 'hitestown r, and Mrs. Members remodel a the proper-; a church w church Id be con-

en acres of ade to the Christian ay 1966 by and Maryl ited about est of the and lay on de of S.R. h officials range planittee were whether to present facilly purchased or to relotown.



Photo from Wm. Lloyd Riley Collection of the Zionsville Historical Society

 ly purchased
 The Pitman-Moore Gun Club, off Zionsville Road on the east side, just south
 Society.

 ljoining the of the bridge over Eagle Creek, gave local marksmen a safe place to practice
 Chain
 Chain

 Fourth and on hold matches. Members of the club also gave local Boy Scouts instructions in gun safety, circa 1960, including the handling and aming of a gun. They prised town.
 In gun safety, circa 1960, including the handling and aming of a gun. They prised towns the patrols. Maybe the boy shown here contemplating or the sign is one of those scouts. Could that be a gun in his basket?
 Society.

nony Baptist the sign is one of mose scouts. Could that be a gun in his se ship services

for the first

hurch's new home on S.R. Zionsville, on April 20, acquiring the property, the 1 had met in the Zionsville install them the following weekend. Funds earned were earmarked for the purchase of automobile manuals, tools and equipment.

Charter members were: Ron

consecutive year, Judy Pierce.

In the six-year his of the event, previ winners besides Pi were: Charles DeL 1959; Jean Stew 1958; Edward Karra 1957; and Bill Cr 1956.

#### WOMAN'S CLUB PRESIDI PROPOSES LOCAL HISTORICAL SOCIETY

When Eleanor D Moore was presider The Woman's Clul Zionsville, she prop to the club that they form a local histo society. Her suggemet with enthusiasm she appointed a com tee to investigate matter and take + toward the formatic the Zionsville Histo Society.

Chaired by Imo D the committee was prised of Mary Gierhart, Doris K Jennie Tudor, M Witherspoon, Be

Phillippi, Esther Shelburne and M Sparks.

The Zionsville Times, in the 18, 1962, edition, noted that proposal to form the historical



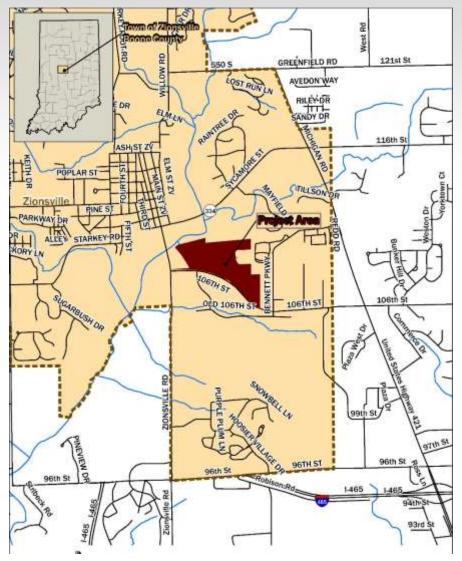


## **Existing Conditions**



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#### **Vicinity Map**



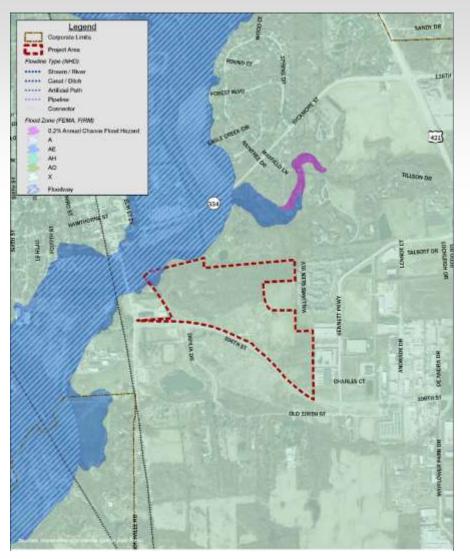


#### **2014 Prior to Redevelopment**



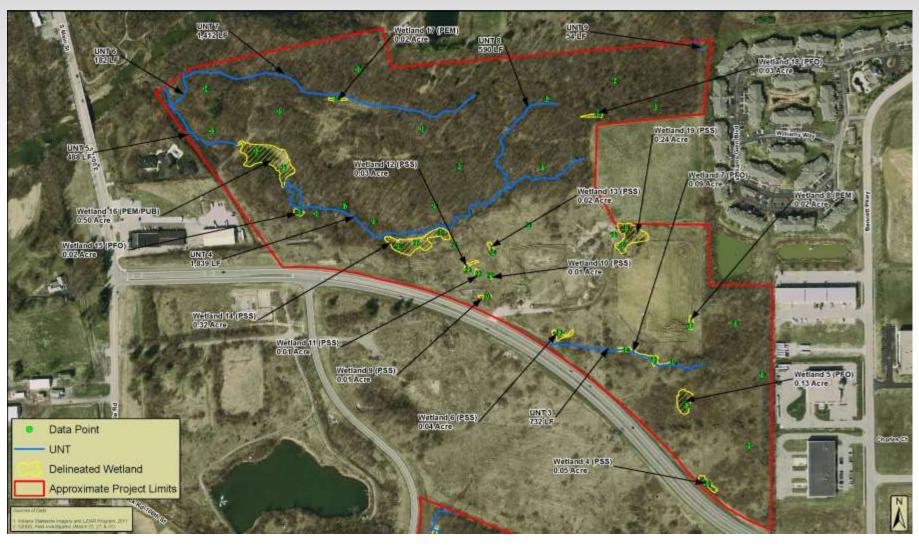


#### Floodplain



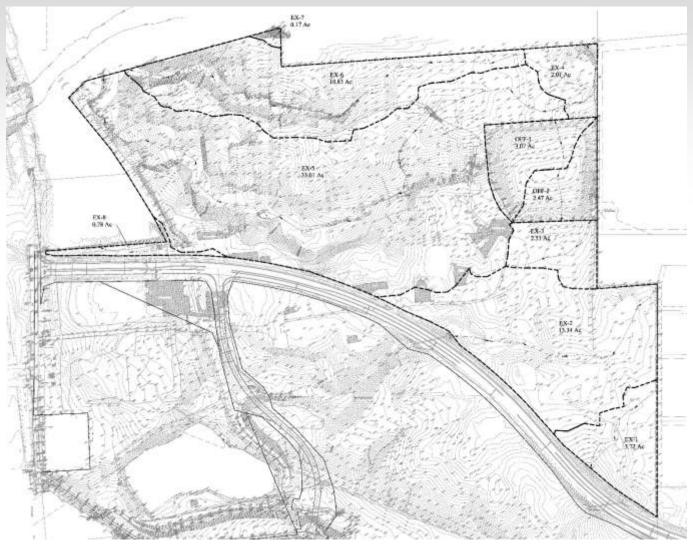


### **Wetlands – Stream Inventory Map**



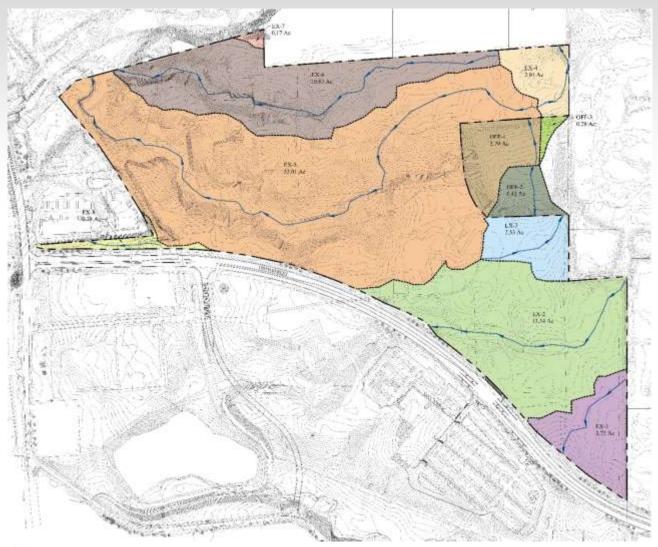


#### **Existing Topography & Watersheds**





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## **Project Goals**





#### **Project Goals**

**Economic Development - Commerce Park** 

- Maximize Development Acreage (66 acres)
- Build initial supporting site infrastructure to support 14 future Lots.
- The project includes: Roadway and extension of sanitary sewer, water main, utilities and amenities.

Drainage

• Low Impact Development & Green Stormwater Infrastructure

**Amenities & Connectivity** 

- Trail System
- Pocket Park

**Minimize Construction Cost** 

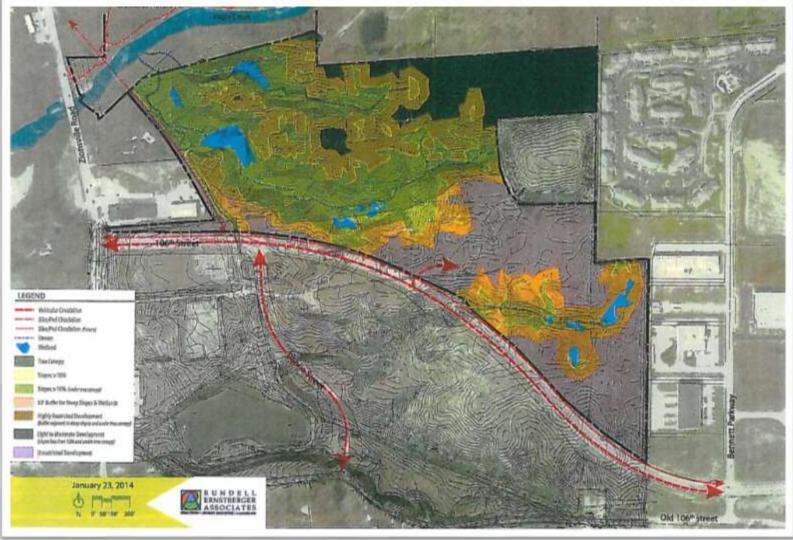




# **Concept Planning**



#### **Site Analysis**



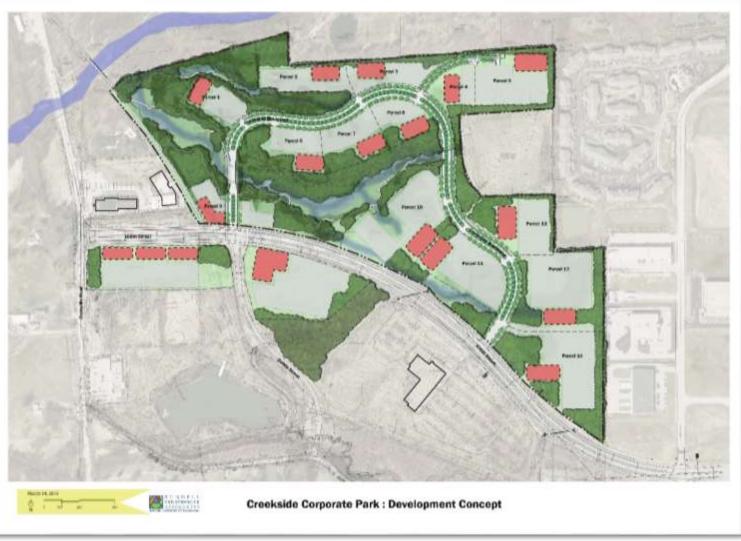


#### **Pre-Project Concept Layout**





#### Schematic/Design Development Concept Layout



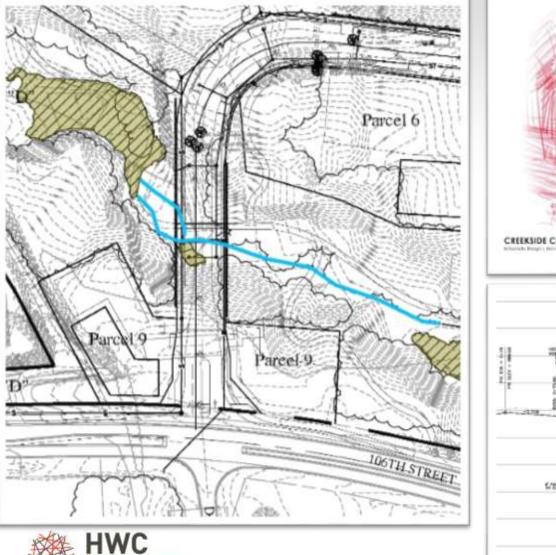


### Schematic/Design Development Review Highlights

- Concerns of western roadway connection/entrance at 106<sup>th</sup> Street
- Roadway Bio-swales & Street Cross Sections

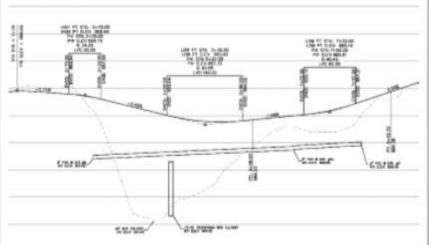


#### **Western Ravine Street Crossing Review**



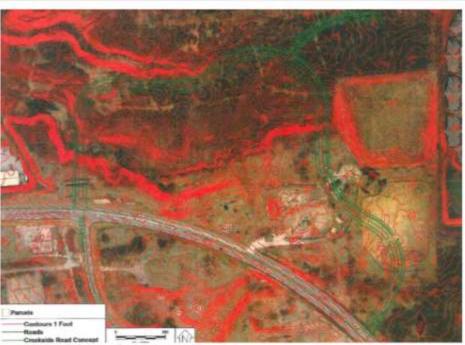
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#### **Conceptual Road Centerline Site Walk**







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#### **Conceptual Street Cross Sections**



#### ZIONSVILLE, IN | Creekside

#### **Regional Detention: Wet Pond and/or Rain Gardens**





#### Individual Lot Detention: Wet Pond and/or Rain Gardens







## **Final Project**



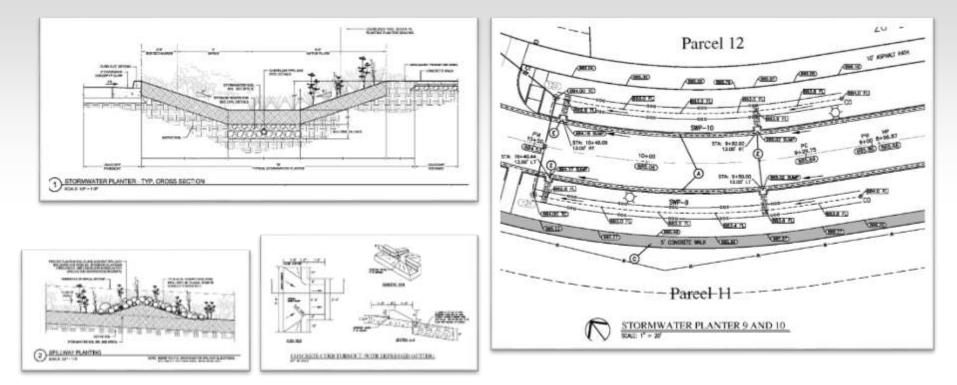
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#### **Creekside Layout**





#### **Roadway & Bio-Swales**

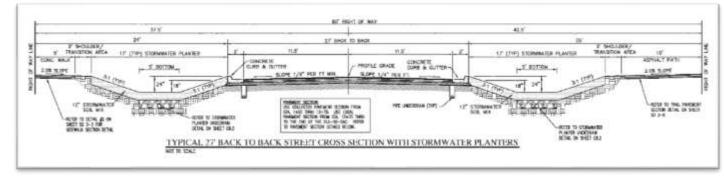


- 3,100 linear feet of Roadway Bio-Swales
- 2,300 cuyd amended soil
- 31,275 native planting plugs
- 950 shrubs and ornamental grasses

HWC

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Over 100 new trees



#### **Roadway & Bio-Swales Post-Construction**











#### **Roadway During Construction**





### **Roadway During Construction**



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### **Rain Gardens**

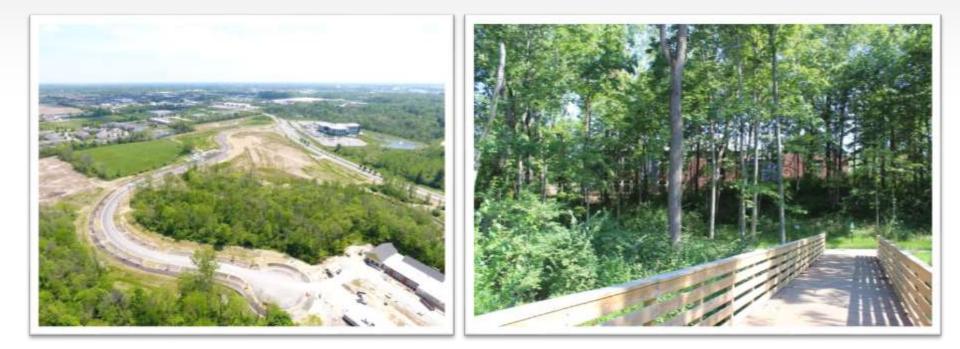






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### **Future Lot Development – LID**





### **Amenities**

#### **Trail System**

- 3,800 ft of paved trails within Creekside Corporate Park
- 6 wood pedestrian bridges totaling 450 ft in length
- Gravity Block retaining walls to minimize disturbance in steeper terrain

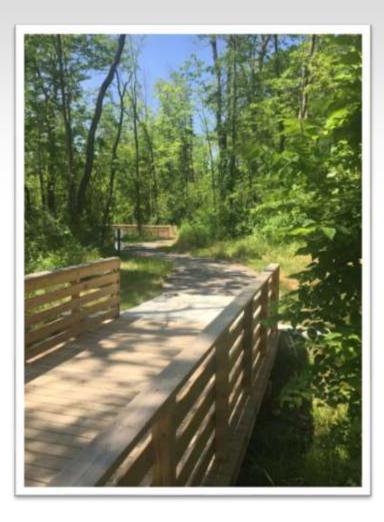


### **Trail Map**





### **Trails Post-Construction**









### **Trails Post-Construction**











## **Amenities**

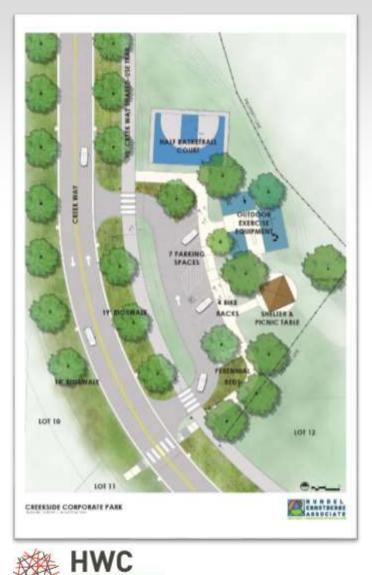
### **Pocket Park**

- Centrally located within Commerce Park and near primary trailhead
- Shelter with Picnic Table
- Fitness Equipment and fall rated workout surface
- Half Basketball Court





### **Amenities- Pocket Park**



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## **Amenities**

#### **Conservation –**

Roughly 30% of the site or 20 acres of preserved open space with high quality streams and wetlands

- Preserved 3,300 LF of Little Eagle Creek head water streams
- Preserved 0.91 acres of wetlands onsite and avoided wetlands along Little Eagle Creek floodplain
- Over 7.6 acres of riparian corridor further protected within the development through Deed Restriction.









# Summary



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## **Project Goals**

**Economic Development - Commerce Park** 

- Internal roadway configured to maximize development acreage, preserved property not suitable for development and protection of natural resources
- First lot sold and now developed.
- Remaining Lots are currently under contract with developer

**Amenities & Connectivity** 

- Extensive Trail System & Pedestrian Connectivity (3,800 LF Paved Trails) completed
- Pocket Park (Shelter, Exercise Equipment, Basketball Court) completed

**Minimize Construction Cost** 

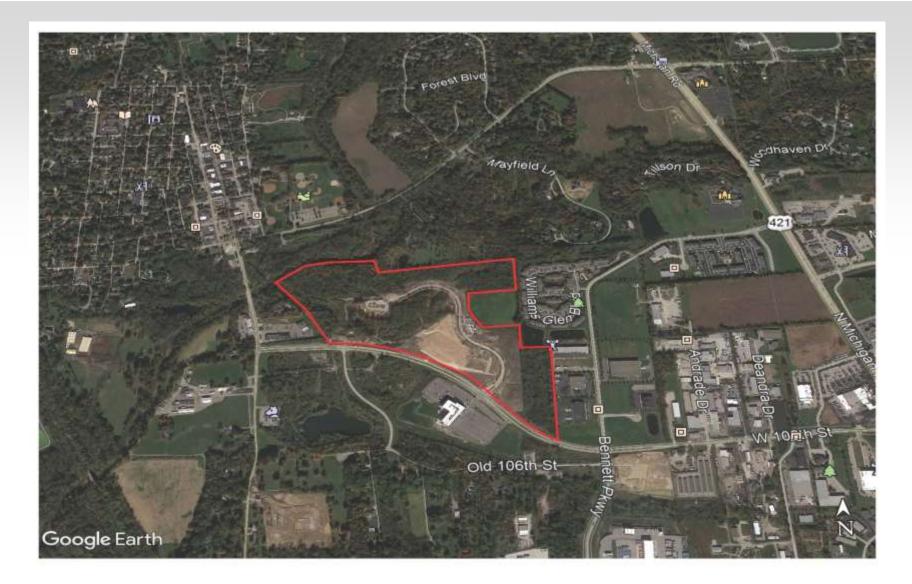
- Scope Evaluation and Cost Estimating during Schematic/Design Development Phases indicated risk of exceeding project budget range
- Revisions to land plan reduced infrastructure costs and maximized development acreage.
- Further refinements to street cross sections, bio-swales and trail system resulted in the full project scope bidding within project budget and released into construction



## **Project Goals - Low Impact Development**

- Low-impact development (LID) is a term to describe a land planning, and engineering design approach to manage stormwater runoff as part of green infrastructure. LID emphasizes conservation and use of on-site natural features to protect water quality.
  - Creekside Corporate Park has conserved 1/3 of the overall property protecting it's high quality natural environmental features turning that acreage into an amenity for future tenants.
    - The roadway infrastructure utilizes green stormwater infrastructure to enhance water quality treatment prior to discharging into head water streams of Little Eagle Creek through the site.
    - Zoning Ordinance has been written to require future Lots to utilize green stormwater infrastructure.







**2016 - AERIAL DURING CONSTRUCTION** 



#### TOWN OF ZIONSVILLE REDEVELOPMENT COMMISSION UNVEILS CONCEPTUAL MASTER PLAN FOR CREEKSIDE CORPORATE PARK AT ZIONSVILLE

The <u>Town of Zionsville Redevelopment Commission (RDCL</u>)s pleased to announce the unveiling of the conceptual Master Plan for 66 screes of its Creekside Corporate Park - a park designed to spark economic development and tax base diversity. The RDC's May 23, 2013 real estate closing on the property was made possible by a partnership between the <u>Zionsville Community Schools</u> and the <u>Town of</u> <u>Zionsville</u>.



### https://www.creeksidecorporatepark.com



Drone Construction Video: <u>https://youtu.be/62zqQz4bkgE</u>





# Questions & Answers

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