

CITY OF BLOOMINGTON



September 18, 2025 @ 5:30 p.m.
City Hall, 401 N. Morton Street
Common Council Chambers, Room #115

<https://bloomington.zoom.us/j/82448983657?pwd=enJxcnArK1pLVDI nWGROTU43dEpXdz09>

Meeting ID: 824 4898 3657
Passcode: 319455

**CITY OF BLOOMINGTON
BOARD OF ZONING APPEALS (Hybrid Meeting)
September 18, 2025 at 5:30 p.m.**

City Hall, 401 N. Morton Street
Common Council Chambers, Room #115 and via Zoom

❖Virtual Meeting: <https://bton.in/Zoom>

Meeting ID: 824 4898 3657 Passcode: 319455

Petition Map: <https://bton.in/G6BiA>

ROLL CALL

APPROVAL OF MINUTES: August 21, 2025

PETITIONS CONTINUED TO: October 23, 2025

AA-17-22	<p>Joe Kemp Construction, LLC & Blackwell Construction, Inc. Summit Woods (Sudbury Farm Parcel O) W. Ezekiel Dr. Parcel(s): 53-08-07-400-008.002-009, 53-08-07-400-008.004-009... Request: Administrative Appeal of the Notice of Violation (NOV) issued March 25, 2022. <u>Case Manager: Jackie Scanlan</u></p>
CU-32-25/ ZR2025-07-0086	<p>Springpoint Architects (Barre Klapper) 312 S. Arbutus Drive Parcel: 53-08-03-202-053.000-009 Request: Conditional use approval to allow for construction of a new "Dwelling, Fourplex" in the Residential Urban (R4) zoning district. <u>Case Manager: David Brantez</u></p>
CU-33-24/ USE2024-11-0068	<p>Hat Rentals, LLC 202 N. Walnut Street Parcel: 53-05-33-310-028.000-005 Request: Request for conditional use approval of "student housing or dormitory" to allow one four-bedroom unit in the Mixed-Use Downtown (MD) zoning district. <u>Case Manager: Jackie Scanlan</u></p>

Auxiliary aids for people with disabilities are available upon request with adequate notice. Please call [812-349-3429](tel:812-349-3429) or E-mail human.rights@bloomington.in.gov.

The City is committed to providing equal access to information. However, despite our efforts, at times, portions of our board and commission packets are not accessible for some individuals. If you encounter difficulties accessing material in this packet, please contact Melissa Hirtzel at hirtzelm@bloomington.in.gov and provide your name, contact information, and a link to or description of the document or web page you are having problems with.

The City offers virtual options, including CATS public access television (live and tape delayed) found at <https://catstv.net/>. Comments and questions will be encouraged via [Zoom](#) or bloomington.in.gov rather than in person.

CU-33-25/ ZR2025-07-0087

Weihe Engineers (Saint Remy HOA)

3716 E. St Remy Drive

Parcel: 53-08-11-401-029.000-009

Request Variance from Environmental Standards to allow maintenance to a detention pond and wetlands within St. Remy in the Residential Small Lot (R3) zoning district. Also requested is Conditional Use approval to allow a driveway in the floodplain. Case Manager: Eric Greulich

V-39-25/ ZR2025-08-0094

Brownsmith Studios, LLC (Lucas Brown)

601 N. Morton Street

Parcel: 53-05-33-206-019.000-005

Request: Variance from Use Specific Standards requiring ground floor dwelling units within 20 feet of the front property line to be constructed a minimum of 3 feet above the adjacent sidewalk grade for the use "Dwelling, Multifamily" to allow the construction of a ground floor dwelling unit in the Mixed-Use Downtown within the Downtown Core Overlay (MD-DC) district. Case Manager: Eric Greulich

V-40-25/ ZR2025-08-0095

HR Green, Inc. (Don Cowden Foundation, Inc.)

2500 W. 3rd Street

Parcel(s): 53-05-31-301-019.000-005 & 53-05-31-301-008.000-005

Request: Variance from maximum impervious surface coverage and from minimum landscape area requirements to allow a "Restaurant" in the Mixed-Use Corridor (MC) zoning district. Case Manager: Eric Greulich

PETITIONS:

V-35-25/ ZR2025-08-0089

Grippy Properties (Ethan Michaelson)

2403 N. Headley Road

Parcel: 53-05-27-200-003.000-005

Request: Determinate Sidewalk Variance for a single-family dwelling (detached) located in the Residential Medium Lot (R2) zoning district. Case Manager: Joe Patterson

V-36-25/ ZR2025-08-0090

Mohsen Kianizadeh

2214 E. Maxwell Lane

Parcel: 53-08-03-100-037.000-009

Request: Variance from Driveway width standards for a single-family dwelling (detached) within a Medium Lot Residential (R2) zoning district. Case Manager: Joe Patterson

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CU-37-25/ ZR2025-08-0088

Built, LLC (Madeline Sanders)

1320 S. Rogers Street

Parcel: 53-08-05-400-026.000-009

Request: Conditional use approval to allow a driveway, parking, and structures within the floodplain to allow the construction of 5 buildings for the use "Contractor's Yard" within Parcel C of the Thomson Planned Unit Development (PUD) zoning district. Case Manager: Eric Greulich

CU/V-38-25

ZR2025-08-0092 / ZR2025-08-0093

Sacksteder Properties, LLC

111 S. Jefferson Street

Parcel: 53-05-34-424-013.000-005

Request: Conditional use approval to allow a "Dwelling, duplex" in the Residential Small Lot (R3) zoning district. Also requested is a variance from front building setback standards. Case Manager: Eric Greulich

Board of Zoning Appeals Members

<u>Member</u>	<u>Appointed By</u>	<u>Term</u>
Tim Ballard	Mayor	1/1/2022-12/31/2025
Flavia Burrell	Plan Commission	1/1/2023-12/31/2026
John Fernandez	Mayor	1/1/2023-12/31/2026
Leslie Kutsenkow	Mayor	1/1/2025-12/31/2028
Jo Throckmorton	Common Council	1/1/2022-12/31/2025

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**BLOOMINGTON BOARD OF ZONING APPEALS
STAFF REPORT**

**CASE #: V-35-25/ ZR2025-08-0089
DATE: September 18, 2025**

Location: 2403 N Headley Rd

APPLICANT: Griffy Properties LLC (Ethan Michelson)
2415 N Headley Rd, Bloomington

OWNER: Griffy Properties LLC
2415 N Headley Rd, Bloomington

REQUEST: Determinate sidewalk variance for a “Dwelling, single-family (detached)” use located in the Residential Medium Lot (R2) zoning district.

REPORT: This property is located at 2403 N Headley Road consisting of 0.79 acres. The property is zoned Residential Medium Lot (R2). Immediately surrounding properties are also Residential Medium Lot (R2) and have been developed with single-family residences. There are additional properties along the east side of Headley Road zoned Mixed-Use Institutional (MI) primarily owned by the Trustees of Indiana University. The future land use designation for this property is Neighborhood Residential.

The petitioner had previously entered contract and set up a delivery date for his modular designed single-family home and upon applying for the building permit, learned that Headley Road was designated within the Transportation Plan for a 12-foot wide multi-use path. Due to the strict timeline of his modular home delivery, the petitioner had concerns about integrating this additional feature and worked with Planning Staff to receive his Building Permit by including the required 12-foot wide multi-use path with his Site Plan with the understanding that he could later elect to seek a variance, if desired. Upon further consideration of the layout and topography of the property and the lack of any pedestrian facilities currently existing along Headley Road, the petitioner has elected to seek relief from the requirement to build the multi-use path at this time.

UDO Section 20.04.050(d)(4)(A) states:

All developments shall integrate an interior and exterior pedestrian network comprised of concrete sidewalks or asphalt paths for pedestrian transportation and recreation. This network shall include pedestrian facilities along street frontages, multiuse trails where indicated on the Transportation Plan, and pedestrian connector paths between developments and public destinations (e.g., schools, parks, hospitals), nearby trails, other developments, and vacant land.

The UDO contains guiding language for the Board of Zoning Appeals for Determinate Sidewalk Variance requests.

Determinate Sidewalk Variance Approval Criteria:

20.06.080(b)(3)(E)(i)(3): While not to be included as separate findings of fact, items to consider when determining the practical difficulties or peculiar conditions associated with a

determinate sidewalk variance include, but are not limited to:

- a) That the topography of the lot or tract together with the topography of the adjacent lots or tract and the nature of the street right-of-way make it impractical for construction of a sidewalk; or*
- b) That the pedestrian traffic reasonably to be anticipated over and along the street adjoining such lot or tract upon which new construction is to be erected is not and will not be such as to require sidewalks to be provided for the safety of pedestrians; or*
- c) The adjacent lot or tracts are at present developed without sidewalks and there is no reasonable expectation of additional sidewalk connections on the block in the near future; or*
- d) The location of the lot or tract is such that a complete pedestrian network is present on the other of the street on the same block; or*
- e) Uniformity of development of the area would best be served by deferring sidewalk construction on the lot or tract until some future date.*

The petitioner is requesting a determinate sidewalk variance to not require the installation of the multi-use path along the property frontage along North Headley Road, as seen and described in the Petitioner's Statement.

CRITERIA AND FINDINGS FOR DEVELOPMENT STANDARDS VARIANCE

20.06.080(b)(3)(E) Standards for Granting Variances from Development Standards:

A variance from the development standards of the Unified Development Ordinance may be approved only upon determination in writing that each of the following criteria is met:

- 1) The approval will not be injurious to the public health, safety, morals, and general welfare of the community.*

PROPOSED FINDING: The granting of this variance will not be injurious to the public health, safety, morals, or general welfare of the community. While it would be beneficial to the public health and safety to have a multi-use path along this property's frontage, there are no pedestrian facilities to connect to on adjacent properties that not requiring the installation of the path along this property at this time would be benefiting.

- 2) The use and value of the area adjacent to the property included in the Development Standards Variance will not be affected in a substantially adverse manner.*

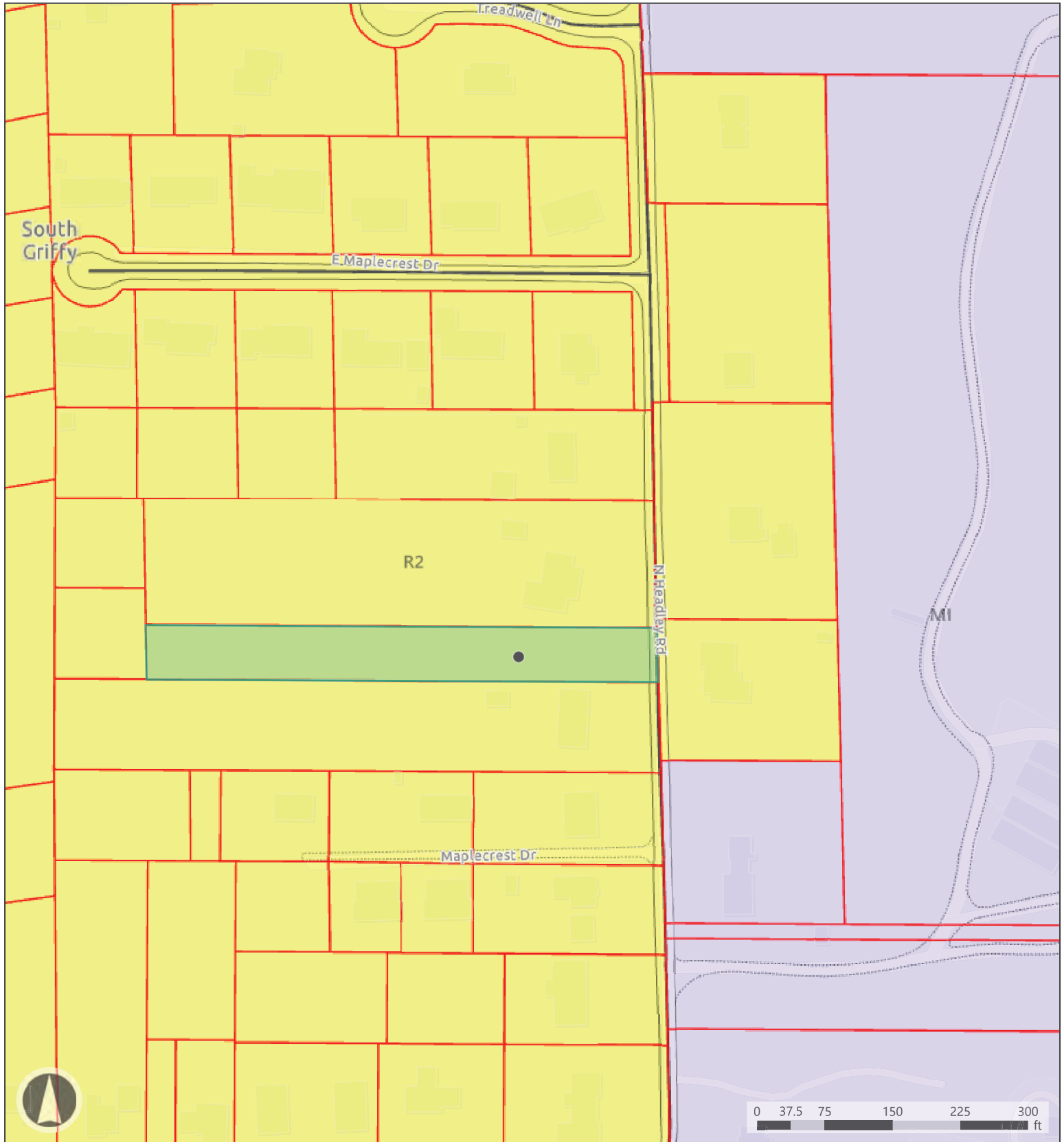
PROPOSED FINDING: The use and value of the area adjacent to the property will not be affected in a substantially adverse manner by the approval of this variance. There is no pedestrian facility currently provided in front of any properties along North Headley Road or Matlock Road to the south. While it would be beneficial to community welfare to have a multi-use path along the entire length of this property's frontage, the construction would be best forestalled until other development or projects necessitate the path's construction.

- 3) *The strict application of the terms of the Unified Development Ordinance will result in practical difficulties in the use of the property; that the practical difficulties are peculiar to the property in question; that the Development Standards Variance will relieve the practical difficulties.*

PROPOSED FINDING: The Department finds that the strict application of the terms of the UDO will result in practical difficulties in the use of the property in that requiring the multi-use path at this time would require the path in a location that may not be appropriate if a pedestrian network is installed along this corridor at a future time. This property and surrounding properties are peculiar in nature in that they are on the periphery of the City boundaries and are very rural in nature with a great degree of challenging topography along all of these properties with little right-of-way beyond the edge of pavement along a majority of Headley Road. Further peculiarity is found in that a majority of property along Headley Road is owned by Indiana University where redevelopment that would require future additional pedestrian improvements would not be triggered, further complicating the likelihood that pedestrian improvements would happen outside of a much larger plan for the area. Additionally, if the path were constructed, it would require removal of significantly large canopy trees to facilitate its installation in the required location per the Transportation Plan. These trees currently contribute to the streetscape and general character of the area and would be a significant change to the existing topography. This path will best be coordinated and installed when it can be connected to other properties with multi-use paths at a future date to better facilitate path cohesion and maintenance.

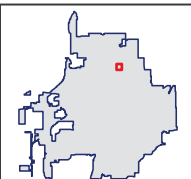
RECOMMENDATION: The Department recommends that the Board of Zoning Appeals adopt the proposed findings and approve case V-35-25/ ZR2025-08-0089 with the following condition:

1. A zoning commitment for the determinate sidewalk variance must be recorded within 60 days.



Map Legend

	Board of Zoning Appeals		Gravel		Bloomington Municipal Boundary
	Parcels		Alley		Mixed-Use Institutional
	Pavement		Current		Residential Medium Lot





Map Legend

-  Board of Zoning Appeals
-  Parcels
-  Bloomington Municipal Boundary

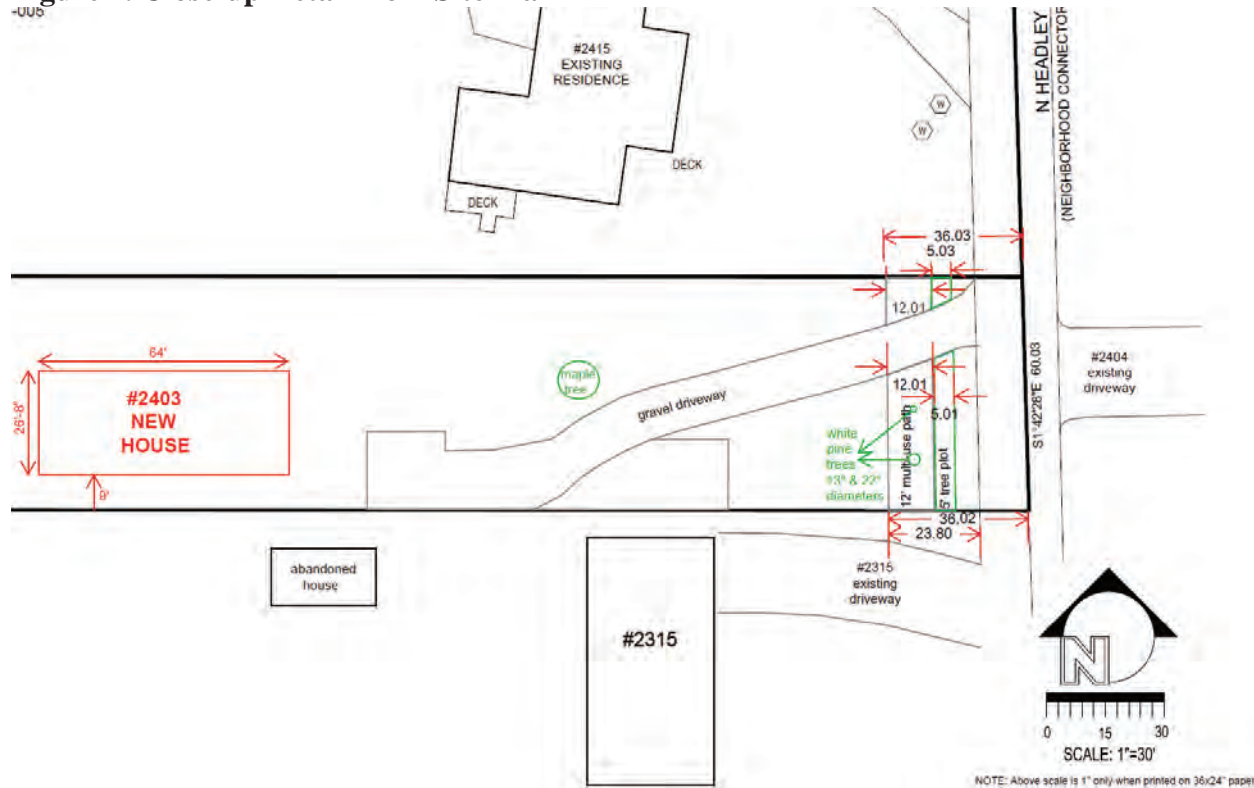


To: Board of Zoning Appeals, City of Bloomington
From: Ethan Michelson
Re: Statement in Support of Determinate Sidewalk Variance Petition, 2403 N. Headley Rd., Building Permit R-25-41
On: September 4, 2025

Background

Building Permit R-25-41 for the construction of a single-family house at 2403 N. Headley Rd (hereafter “the property”) stipulates the construction of a *12-foot multi-use path* (hereafter “the sidewalk”) set back 24-36 feet from the middle of Headley Road (or 11.8-23.8 feet from the edge of Headley Road) and spanning the width of the property’s 60-foot parcel path. Figure 1 depicts a close-up detail from the site plan showing the required location of the multi-use path.

Figure 1. Close-up Detail from Site Plan



I am requesting a Determinate Sidewalk Variance, which is a type of Development Standards Variance, according to 20.06.080(b)(3)(E)(i)(3) of the City of Bloomington’s July 2025 Unified Development Ordinance (UDO).

Criteria for Development Standards Variance

The three *general criteria* are:

- (a) The approval will not be injurious to the public health, safety, morals, and general welfare of the community; and

- (b) The use and value of the area adjacent to the property included in the development standards variance will not be affected in a substantially adverse manner; and
- (c) The strict application of the terms of this UDO will result in practical difficulties in the use of the property; that the practical difficulties are peculiar to the property in question; that the development standards variance will relieve the practical difficulties. (UDO, p.371)

Specific criteria for a Determinate Sidewalk Variance include:

- (a) That the topography of the lot or tract together with the topography of the adjacent lots or tract and the nature of the street right-of-way make it impractical for construction of a sidewalk; or
- (b) That the pedestrian traffic reasonably to be anticipated over and along the street adjoining such lot or tract upon which new construction is to be erected is not and will not be such as to require sidewalks to be provided for the safety of pedestrians; or
- (c) The adjacent lot or tracts are at present developed without sidewalks and there is no reasonable expectation of additional sidewalk connections on the block in the near future; or
- (d) The location of the lot or tract is such that a complete pedestrian network is present on the other side of the street on the same block; or
- (e) Uniformity of development of the area would best be served by deferring sidewalk construction on the lot or tract until some future date. (UDO, pp.371-2)

Evaluating Variance Criteria with Respect to the Property

Let me first consider each of the *specific criteria* pertaining to Determinate Sidewalk Variances.

- (a) Topography includes trees, the preservation of which is an important priority of the City of Bloomington. Indeed, approval of Building Permit R-25-41 was contingent upon the creation of a tree preservation easement of approximately one-third of an acre. Surely the City would prefer to preserve large white pine trees squarely in the middle of the sidewalk's required location (Figure 1). The pine trees in the middle of the sidewalk in Figure 1 are the two that are closest to Headley Road in Figure 2. The diameters of these two pine trees are approximately 13 and 22 inches. Figure 3 shows that these two pine trees are 16-17 feet from the edge of Headley Road (or 18.2-19.2 feet from the middle of Headley Road). We know that these two trees would be in the middle of the sidewalk given that, as per Figure 1, it would be 11.8-23.8 feet from the edge of Headley Road.
- (b) Pedestrian traffic on Headley Road is minimal. I rarely see pedestrians—typically no more than one or two individuals per day.
- (c) If this 60-foot sidewalk is installed, it would be the only sidewalk within a sizeable radius. The closest existing sidewalk is the multi-use path along the 45/46 Bypass, which is one-quarter of a mile away. There is not even one inch of sidewalk on Headley Road, Matlock Road, Browncliff Lane, East Maplecreek Dr., or East Treadwell Lane. I certainly have no expectation of additional sidewalk connections anywhere in the area anytime soon.

Figure 2. Large White Pine Trees in Location of Sidewalk Site



Figure 3. Tape Measure Showing Distance from Edge of Headley Road

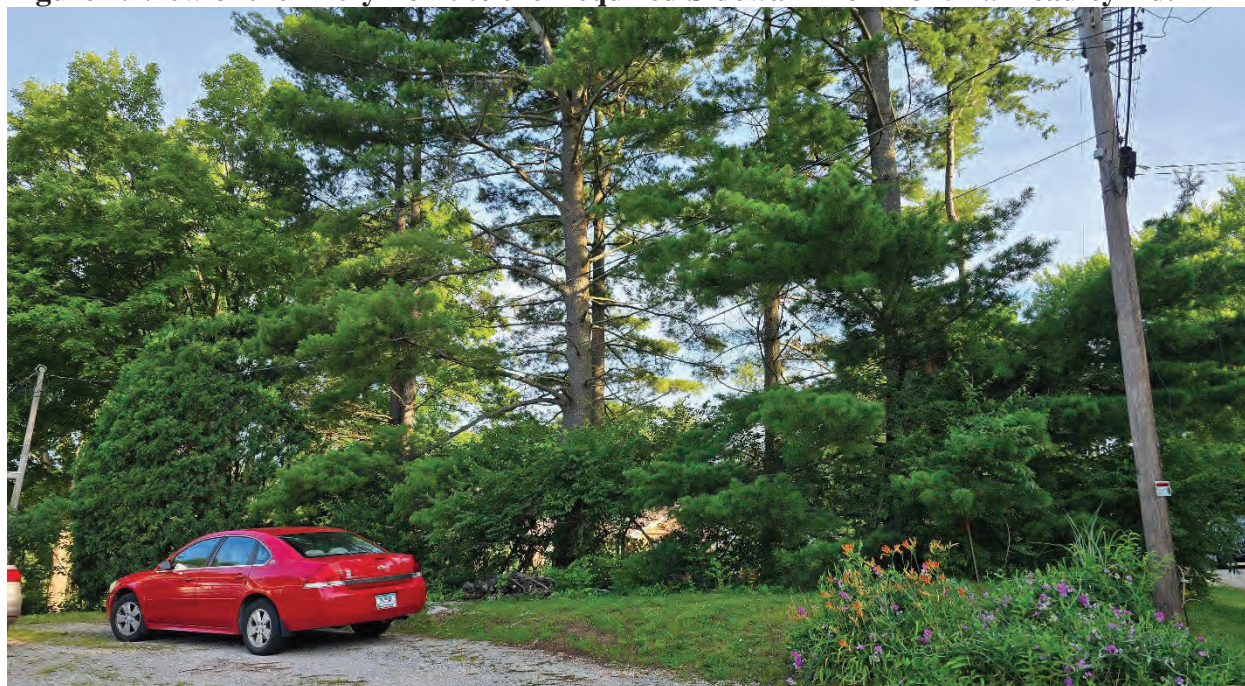


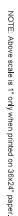
- (d) This criterion does not apply because, as explained above, there is no sidewalk anywhere in the area, much less on the other side of Headley Road.
- (e) According to the City of Bloomington's long-range transportation plans, a multi-use path is eventually intended for Headley Road. However, there is no clear timeline for its construction, and, when it does occur, the City — not individual property owners — will bear the cost. Requiring me to build an isolated segment now, at personal expense, would be premature, inequitable, and potentially wasteful if the final alignment differs from the current requirement. In other words, if, for the sake of "uniformity of development," the City decides to set the sidewalk further back or closer to Headley Road than the current requirement, it may need to tear up and rebuild the sidewalk I spent a considerable amount of money constructing, adding waste on top of inequity. This is precisely why Katie Gandhi, when she was a city planner, told me on the phone in June 2024 that she did not expect the City would require me to build a sidewalk.

Finally, let me consider *general criteria*.

- (a) Since no sidewalk currently exists, preservation of the status quo is ipso facto not injurious to the public health, safety, morals, and general welfare of the community.
- (b) However, construction of a sidewalk 24-36 feet from the middle of Headley Road could be injurious to the residents of the adjacent property, namely 2315 N. Headley Rd. Figure 4 shows that the entry point to the required sidewalk would be in the middle of the adjacent property's driveway. Not only would an entry point here adversely affect the residents of the adjacent property, but it could also adversely affect pedestrians using the sidewalk insofar as they would have to walk between cars and up a small hill.
- (c) Owing to the topographical features discussed above, namely the large white pine trees in the middle of the sidewalk site, there are clear practical difficulties that are peculiar to the property in question.

Figure 4. View of the Entry Point to the Required Sidewalk from 2315 N. Headley Rd.





Cross references: Instr. No. 2024010596

GRANT OF PERMANENT TREE PRESERVATION EASEMENT

THIS INDENTURE WITNESSETH that Ethan Michelson, of legal age, hereinafter called GRANTOR, for and in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged, do hereby grant to CITY OF BLOOMINGTON, INDIANA, hereinafter called GRANTEE, a permanent Tree Preservation Easement across Grantor's property described in a deed, recorded October 2, 2024, as **Instrument Number 2024010596** in the office of the Recorder of Monroe County, Indiana. The easement granted herein is described and depicted in **Exhibit "A"**, which is attached hereto and incorporated herein by reference.

This Tree Preservation Easement is dedicated for the purpose of preserving the existing conditions through implementation of below items within its bounds as shown on Exhibit "A".

Tree Preservation Easement:

- (A) Prohibits the removal of any tree over six inches dbh within the easement area.
- (B) Allows the removal of dead or diseased trees that pose a safety risk as well as allowing the removal of exotic or invasive species, only after first obtaining written approval from the Planning and Transportation Department.
- (C) All tree preservation easements shall be identified with public signs located along the boundary of the easement. Public signs shall be placed at intervals of no more than 200 feet, and each public sign shall be a maximum of one- and one-half square feet in area. A minimum of one public sign is required, regardless of easement size. The property owner shall be responsible for installing and maintaining required signage.
- (D) Allows, in cases where removal of exotic or invasive species is proposed, the restoration of disturbed areas with native plant material. Written approval from the Planning and Transportation Department is required prior to any proposed restoration.

GRANTOR intends this easement to run with the land and shall be binding upon Grantor and its successors, grantees and assigns.

The undersigned person executing this GRANT on behalf of GRANTOR represents and certifies that he has been fully empowered to execute and deliver this grant; that GRANTOR has full corporate capacity to convey the interest in the real estate described herein; and that all necessary corporate action for the making of this conveyance has been taken and done.

IN WITNESS WHEREOF, the Grantor has hereunto set his hand and seal this 11th day of March, 2025.

Ethan Michelson

Ethan Michelson

STATE OF INDIANA)

) SS:

COUNTY OF MONROE)



Before me, a Notary Public in and for said County and State, personally appeared Ethan Michelson who acknowledged the execution of the foregoing affidavit and who, having been duly sworn, stated that any representations therein contained are true.

Witness my hand and Notarial Seal this 11th day of March, 2025.

My Commission Expires:

2-16-33

April D Saff

Notary Public

Monroe
A resident of _____ County, Indiana

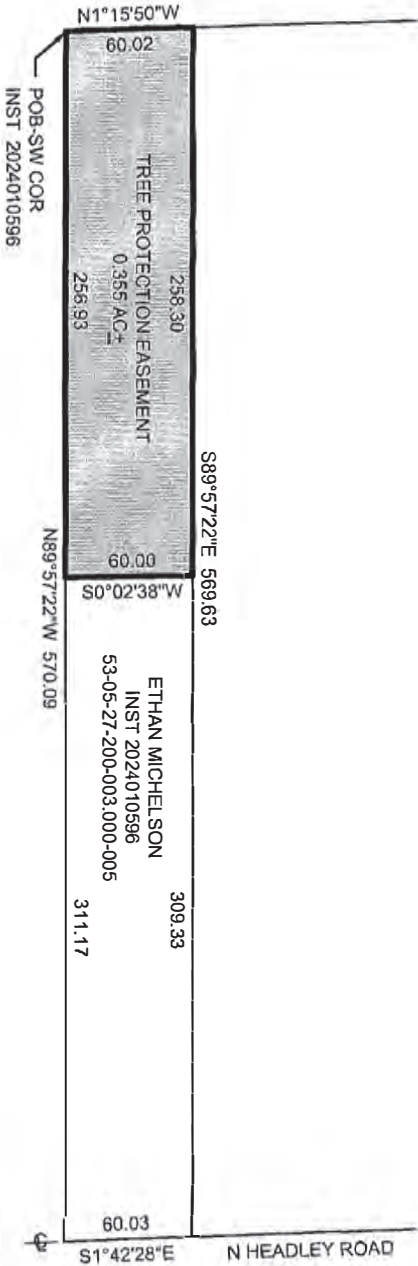
Instrument prepared by Daniel C. Stewart, Attorney at Law

I affirm under the penalties of perjury that I have taken reasonable care to redact each social security number herein unless required by law. *Daniel C. Stewart*

53-06917

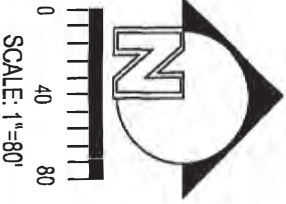
LEGAL DESCRIPTION - TREE PROTECTION EASEMENT
A PART OF THE NORTHWEST QUARTER OF SECTION 27, TOWNSHIP 9 NORTH, RANGE 1 WEST AND A PART OF LAND CONTAINED IN INSTRUMENT 2024010596, MONROE COUNTY, INDIANA, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID INSTRUMENT, THENCE NORTH 01 DEGREES 15 MINUTES 50 SECONDS WEST ALONG THE WEST LINE THEREOF 60.02 FEET TO THE NORTHWEST CORNER THEREOF; THENCE SOUTH 89 DEGREES 57 MINUTES 22 SECONDS EAST ALONG THE NORTH LINE THEREOF 258.30 FEET; THENCE SOUTH 00 DEGREES 02 MINUTES 38 SECONDS WEST 60.00 FEET TO THE SOUTH LINE OF SAID INSTRUMENT; THENCE NORTH 89 DEGREES 57 MINUTES 22 SECONDS WEST ALONG SAID SOUTH LINE 256.93 FEET TO THE POINT OF BEGINNING, CONTAINING 0.355 ACRES, MORE OR LESS.



NOTE

THIS EXHIBIT WAS PREPARED BASED UPON DOCUMENTS OBTAINED FROM THE OFFICE OF THE RECORDER OF MONROE COUNTY, AND OTHER SOURCES AND IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY OR A SURVEYOR LOCATION REPORT.



Smith Design Group, Inc.
1467 W Arlington Rd
Bloomington, Indiana, 47404
P: 812-336-6536
W: smithdgroup.com
Job: 6935
Date: 3/10/25 Page: 1/1
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**BLOOMINGTON BOARD OF ZONING APPEALS
STAFF REPORT**

**CASE #: V-36-25/ ZR2025-08-0090
DATE: September 18, 2025**

Location: 2214 E Maxwell Ln (Parcel #53-08-03-100-037.000-009)

PETITIONER: Mohsen Kianizadeh
106 E 2nd St, Bloomington, IN

OWNER: Mohsen Kianizadeh & Sara Noorihoseini
106 E 2nd St, Bloomington, IN

REQUEST: Variance from driveway width standards for a “Dwelling, single-family (detached)” use within a Medium Lot Residential (R2) zoning district.

REPORT: This 0.61 acre property is located at 2214 E Maxwell Lane and is zoned Residential Medium Lot (R2). All surrounding properties are designated Residential Medium Lot (R2). Surrounding land use consists primarily of single-family residential units. Rogers/Binford Elementary Schools are located approximately one block north of this property. Future Land Use for this area is designated as Neighborhood Residential.

The property has been developed with a single family residence and driveway that were approved under CZC-2024-0784. The approved site plan that was submitted with the permit showed a compliant 18’ wide driveway. The owners now desire to place a 24-foot wide driveway on the property as they have encountered difficulty with parking and maneuvering their vehicles on-site and occasionally utilize on-street parking to meet their parking needs. Section 20.04.050(c)(3)(B) states that “The width of a driveway between the required front building setback and the street shall not exceed 18 feet.”

It is important to note that there was a cognitive change to the driveway width standards in the UDO updates that were done in 2020 for single family residences and the language within the UDO was purposefully changed from the previous width allowance of 22’ to a more narrow 18’ width to provide a safer street design throughout the City that reduces conflict areas for pedestrians and for vehicles.

The petitioner is requesting a variance from driveway width standards in the Residential Medium Lot (R2) zoning district to allow for a 24-foot wide driveway forward of the dwelling unit’s front setback.

**CRITERIA AND FINDINGS FOR DEVELOPMENT STANDARDS VARIANCE
20.06.080(b)(3)(E) Standards for Granting Variances from Development Standards:**

A variance from the development standards of the Unified Development Ordinance may be approved only upon determination in writing that each of the following criteria is met:

- 1) *The approval will not be injurious to the public health, safety, morals, and general welfare of the community.*

PROPOSED FINDING: The granting of this variance would be injurious to the public health, safety, morals, or general welfare of the community as wider drivecuts create greater dangers for pedestrians crossing driveways and create larger conflict areas for vehicles entering and exiting properties into public streets. Allowing a 24' wide drivecut increases dangers to pedestrians and to vehicles.

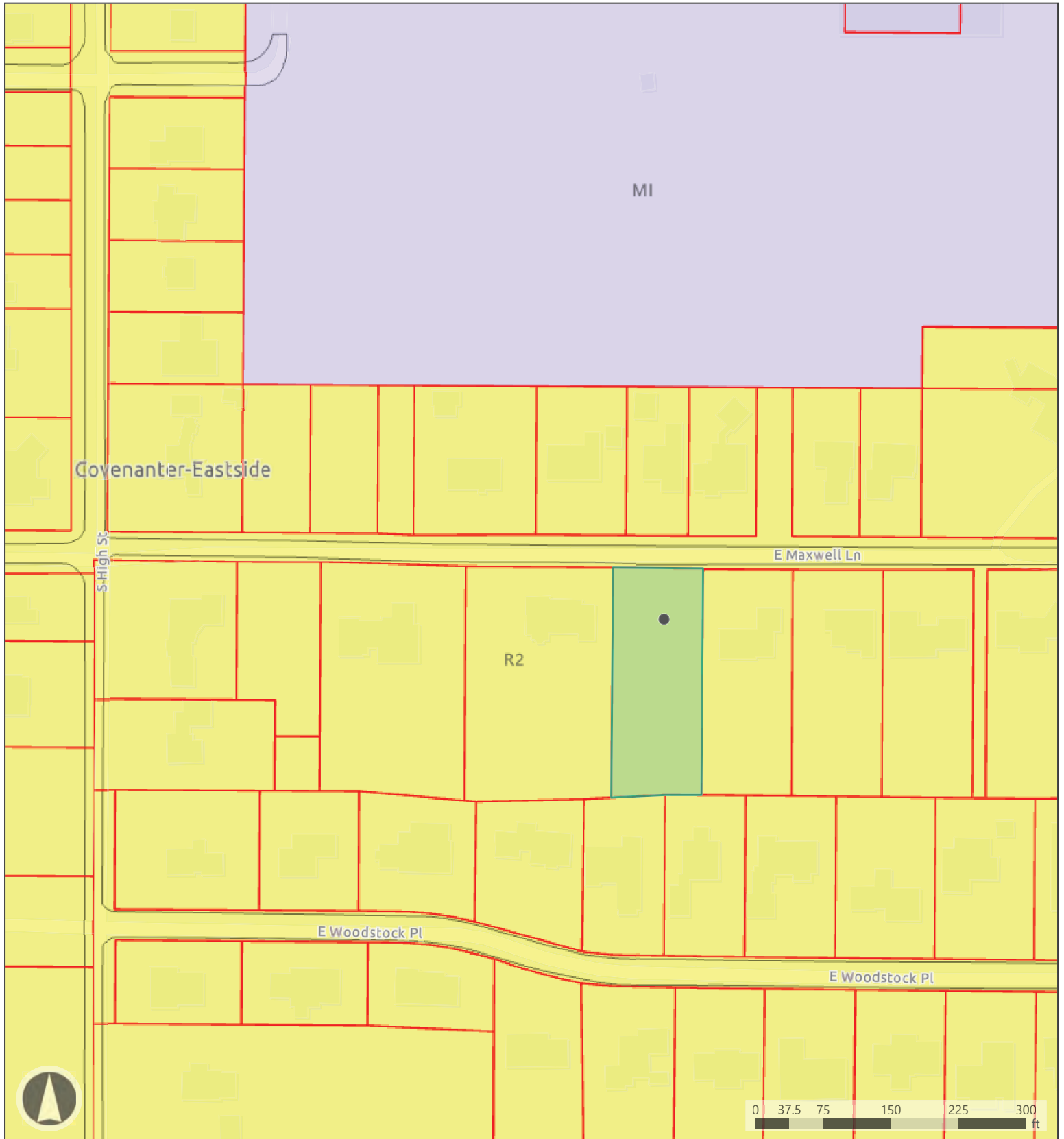
- 2) *The use and value of the area adjacent to the property included in the Development Standards Variance will not be affected in a substantially adverse manner.*

PROPOSED FINDING: No adverse impacts to the use and value of surrounding properties as a result of the requested variance are found. Several properties along Maxwell Lane have lawful, nonconforming driveways that exceed the current 18-foot driveway width standard that were installed prior to the current UDO standards.

- 3) *The strict application of the terms of the Unified Development Ordinance will result in practical difficulties in the use of the property; that the practical difficulties are peculiar to the property in question; that the Development Standards Variance will relieve the practical difficulties.*

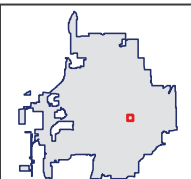
PROPOSED FINDING: The Department does not find that the strict application of the terms of the Unified Development Ordinance will result in any practical difficulties in the use of the property that are a result of a condition that is peculiar to the property in question. While the petitioner states that this would resolve parking and access difficulties, the standard parking stall width for the City of Bloomington is 8.5 feet. An 18-foot wide driveway more than accommodates two vehicle parking spaces. In addition, as mentioned previously the restriction within the UDO for 18' wide driveways was an intentional change to increase safety throughout the City. While it is certainly acknowledged that there might be a desire to have wider driveways, there is no demonstrated peculiar condition for this property that places a unique hardship on this property specifically.

RECOMMENDATION: The Department recommends that the Board of Zoning Appeals adopt the proposed findings and deny case V-36-25/ ZR2025-08-0090.






Map Legend

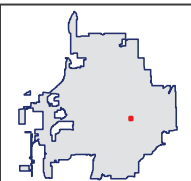
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|-------------------------|--------------------------------|-------------------------|
| Board of Zoning Appeals | Pavement | Mixed-Use Institutional |
| Parcels | Bloomington Municipal Boundary | Residential Medium Lot |





Map Legend

-  Board of Zoning Appeals
-  Parcels
-  Bloomington Municipal Boundary



Variance Request – Wider Driveway

Property Address: 2214 E Maxwell Lane, Bloomington, IN 47401

Zoning District: R2 – Low-Density Residential

Requested Variance: Driveway width of **24 feet** (UDO maximum is 18 feet)

Petitioner's Statement

Dear Board of Zoning Appeals,

We respectfully petition the Board of Zoning Appeals to grant a variance allowing a wider driveway than the 18-foot maximum permitted under the UDO for properties zoned R2. The 18-foot limit creates a **practical difficulty** for our property. An 18-foot driveway is very tight for two cars to park side by side, and there is almost no room to maneuver if trash bins need to be taken to the curb, bicycles or strollers to pass through just to name a few examples. This restriction would regularly force us to park in the street.

As you can see in the attached photos (**See PG 3: Photo 1 A,B,C – street views**), Maxwell Lane is a **narrow street**. Parking is allowed on both sides, which already limits visibility and space for moving vehicles. At night, parked cars make it especially dangerous for pedestrians walking along the street.

Maxwell Lane also has **two pedestrian pathways** that are unique to this block:

- One path leads directly to **Rogers Binford Elementary School**, which creates heavy traffic during daily school drop-off and pickup (**See PG 3: Photo 2 – overview of area**).
- The other path connects to a nearby neighborhood and the **City bus stop**, so commuters and students often park on the street (**Photo 2 – overview of area**).

This unusual combination results in traffic volumes and parking pressures not typical of R2-zoned neighborhoods.

By allowing a **24-foot driveway**, we will:

- Keep our vehicles off the street, reducing congestion.
- Improve pedestrian safety, especially at night when visibility is low.
- Ensure emergency vehicles can pass safely without obstruction.

- Support the overall public interest by lessening reliance on scarce on-street parking.

This variance will **not harm adjacent properties**. In fact, it benefits neighbors by keeping more cars in the driveway and fewer on the street. The request is consistent with the **spirit of the UDO** and the **Comprehensive Plan**, which both emphasize safety, accessibility, and neighborhood compatibility.

For the reasons stated above, we respectfully request approval of this variance. This adjustment will reduce street congestion, improve safety and better align with the practical realities of this unique property location.

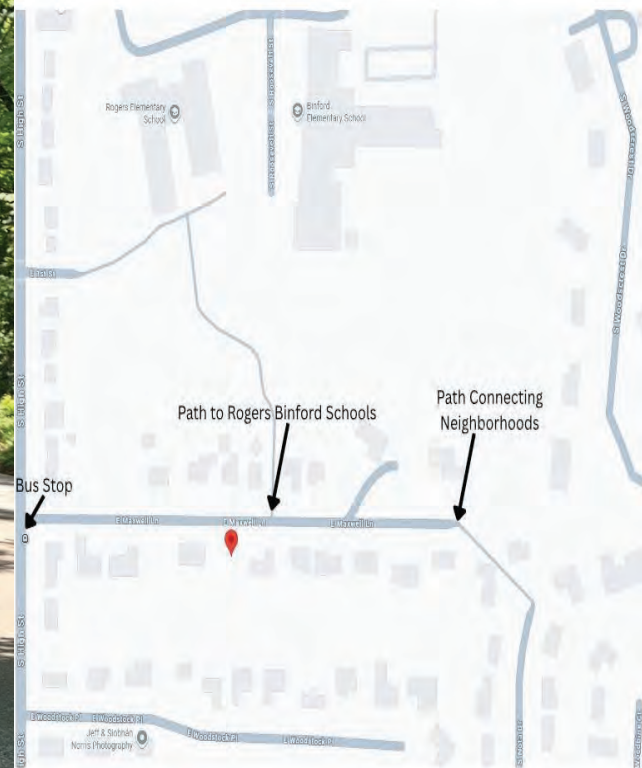
Respectfully submitted,

Sara Noorihoseini & Mohsen Kianizadeh

The image shows two handwritten signatures in black ink. The signature on the left is a stylized, flowing line that starts with a large loop and ends with a horizontal stroke. The signature on the right is also stylized, featuring a large loop and a horizontal line, with the initials 'm.k.' written in a smaller, more legible script to the right of the main signature.

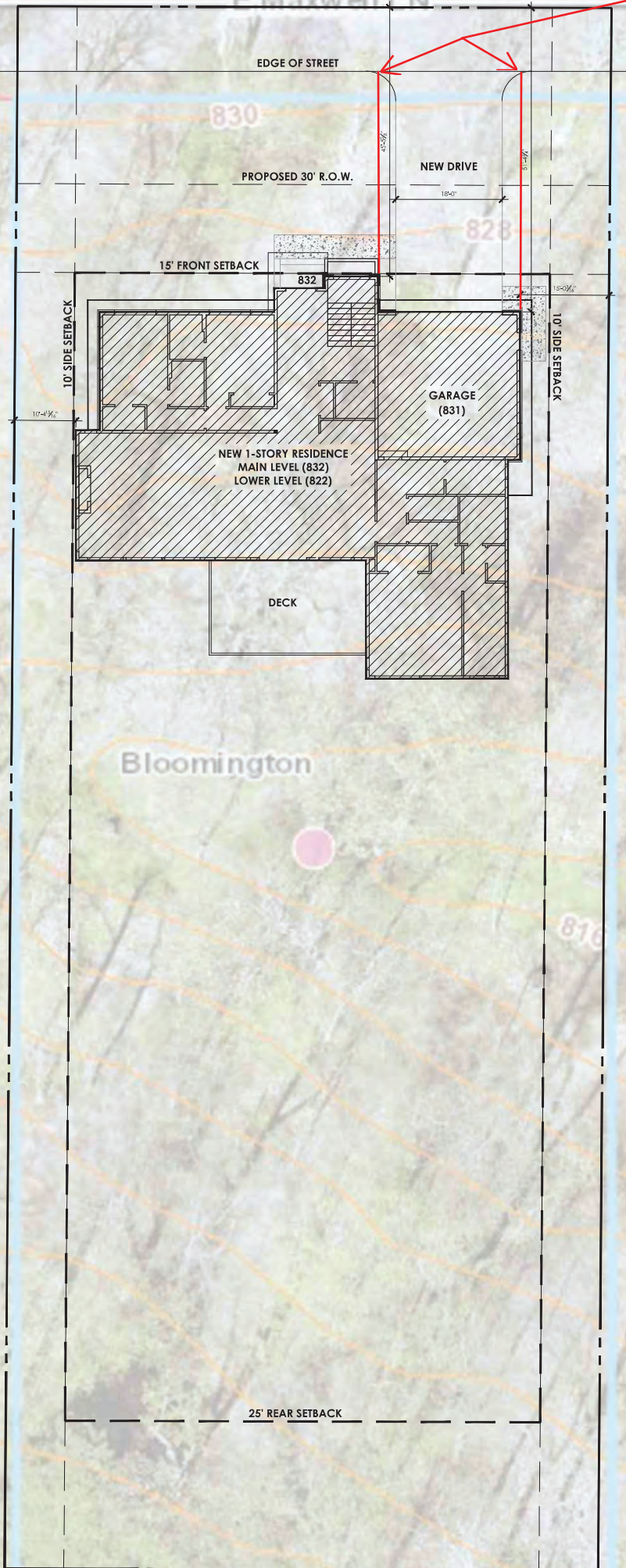


Photo 2: Overview of Area



PROPERTY LINE

Proposed New Driveway



BLOOMINGTON BOARD OF ZONING APPEALS
STAFF REPORT
LOCATION: 1320 S. Rogers Street

CASE#: CU-37-25
ZR2025-08-0088
DATE: September 18, 2025

PETITIONER: Built, LLC
 10650 N. Bennel Parkway
 Zionsville, IN 46077

CONSULTANT: Spaceco
 3850 Priority Way South, Suite #110
 Indianapolis, IN 46240

REQUEST: Conditional use approval to allow a driveway, parking, and structures within the floodplain to allow the construction of 5 buildings for the use "Contractor's Yard" within Parcel C of the Thomson Planned Unit Development (PUD) zoning district

REPORT: This 6.42 acre property is located at the northwest corner of S. Rogers Street and W. Hillside Drive. This site is located on Parcel C of the Thomson Planned Unit Development and is currently undeveloped. Adjacent uses include offices to the north, office and manufacturing associated with Novo Nordisk to the west, trucking and distribution to the south, and single family residences in the McDoel Neighborhood to the east. Surrounding zoning includes Planned Unit Development (Thomson PUD) to the north and west, Mixed Use Employment (ME) to the south and Residential Multifamily (RM) to the east. The property is bordered by Clear Creek along the west side of the property that has a regulated riparian buffer as well as 100-year floodplain. There are no other known regulated environmental features.

This property received subdivision and PUD final plan approval in 2008 (PUD-31-08, PUD-22-09, and PUD-06-10) to develop the overall site into an office park. However only one office building and parking area were constructed and the overall property has remained undeveloped. The petitioner is proposing to develop the site with 5 buildings that will be used for storage and use as a "Contractor's Yard". There will be individual bays within each building that will be rented and used for storage and flex space by the tenants. An interior system of driveways provides access to the buildings from a drive that connects to Hillside Drive. There are no access drives proposed or allowed on Rogers Street. There is an 8' wide multiuse path along Rogers Street that will be replaced with a compliant 12' wide multiuse path and tree plot with street trees.

Approximately 50% of the property is encumbered with the floodway and floodway fringe of Clear Creek. The petitioner has designed the site plan to avoid any disturbance within the floodway and located all of the improvements to the east side of the property to minimize disturbance within the floodway fringe. The petitioner will be placing fill within a portion of the floodway fringe to elevate the proposed buildings to meet flood protection requirements so that the lowest finished floor is 2' above the 100-year base flood elevation. The 100-year base flood elevation is 727.5' on the upstream side of the site and 725.9' on the downstream side of the site. The proposed buildings will therefore have a lowest finished floor of 729.5' on the upstream side of the site and 727.9' on the downstream side of the site. No work is proposed within the floodway. To create compensatory storage area to offset the proposed fill, the petitioner is showing two detention areas for floodplain

compensatory storage and one detention area for site detention and water quality requirements. No permits are needed from the Indiana Department of Natural Resources (IDNR) for this project since there will not be any work within the floodway. Compliance with Federal Emergency Management Agency (FEMA) requirements will be submitted to FEMA once the project is completed and the petitioner expects that a Letter of Map Revision (LOMR) will be required from FEMA once the project is completed. A Floodplain Development Permit is also required by the UDO. The petitioner has submitted all of the information required by the UDO for the Floodplain Development Permit. Approval of the permit is contingent on the granting of the Conditional Use approval for the proposed construction.

This petition was presented to the McDoel Neighborhood Association on September 4, 2025. At that meeting neighbors had questions regarding the overall layout of the buildings, possible uses within the buildings, possible storage of outdoor materials, and questions about impacts to the floodplain.

Section 20.04.040(e)(1) of the UDO states that transportation facilities, including but not limited to bridges, streets, and drives and buildings/structures are allowed within the floodway and floodway fringe subject to approval under the Conditional Use process. The petitioner is requesting Conditional Use approval to all the construction of the proposed drives and buildings.

CRITERIA AND FINDINGS FOR CONDITIONAL USE PERMIT

20.06.040(d)(6)(B) General Compliance Criteria: All petitions shall be subject to review and pursuant to the following criteria and shall only be approved if they comply with these criteria.

- i. *Compliance with this UDO*
- ii. *Compliance with Other Applicable Regulations*
- iii. *Compliance with Utility, Service, and Improvement Standards*
- iv. *Compliance with Prior Approvals*

PROPOSED FINDING: The proposed buildings need modification to meet architectural requirements, however the overall site plan meets all of the UDO requirements. Final review and approval of the site plan is required by the Plan Commission and an application has been submitted for major site plan approval (SP-28-25/SP2025-08-0084). As mentioned, approval from the Indiana Department of Natural Resources (IDNR) is not required since there is no proposed work within the floodway, however final review by FEMA will be required once the project is complete. The petitioner has designed the site plan to meet all of the requirements of FEMA. Final compliance with all state and federal requirements is required prior to recommendation of final occupancy. Drainage and grading plans have also been submitted to City of Bloomington Utilities (CBU) for review and an initial review letter from CBU has been issued. There are water and sewer lines that access this site and no conflicts with connecting to those services have been identified. Final acceptance and approval from CBU is required prior to the issuance of any permits. There were several previous subdivision plats and site plan approvals that were approved for this parcel under PUD-31-08, PUD-22-09, and PUD-06-10. The petitioner has filed a revised plat for this property to amend the location of some of the existing easements and will be reviewed by the Plan Commission.

20.06.040(d)(6)(C) ADDITIONAL CRITERIA APPLICABLE TO CONDITIONAL USES

i. Consistency with Comprehensive Plan and Other Applicable Plans

The proposed use and development shall be consistent with and shall not interfere with the achievement of the goals and objectives of the Comprehensive Plan and any other applicable adopted plans and policies.

PROPOSED FINDING: This proposal is in line with many of the goals of the Comprehensive Plan. The Comprehensive Plan identifies this area with the “Employment Center” land use category. The Comprehensive Plan states that the Employment Center district includes professional and business offices, light assembly plants, **flex-tenant facilities**, and research and development centers. This use incorporates a flex space design that allows contractors to utilize the facilities for storage of work equipment and light flex space useage for their businesses. The Thomson PUD also encourages supportive uses of adjacent manufacturing uses. While this specific use does not have any on-site employees, it does directly support local contractors and businesses with the provision of storage space to work from. This location is also well served by existing services and utilities. The Comprehensive Plan states that this district may produce a great amount of truck traffic and this location immediately adjacent to Rogers Street and manufacturing uses is not out of character with this area and the PUD.

ii. Provides Adequate Public Services and Facilities

Adequate public service and facility capacity shall exist to accommodate uses permitted under the proposed development at the time the needs or demands arise, while maintaining adequate levels of service to existing development. Public services and facilities include, but are not limited to, streets, potable water, sewer, stormwater management structures, schools, public safety, fire protection, libraries, and vehicle/pedestrian connections and access within the site and to adjacent properties.

PROPOSED FINDING: The site has existing utility connection and no issues have been identified with the proposed connections. Installation of a new multi-use path along the property frontage is required by code and has been shown with the required tree plot.

iii. Minimizes or Mitigates Adverse Impacts

- 1. The proposed use and development will not result in the excessive destruction, loss or damage of any natural, scenic, or historic feature of significant importance.*
- 2. The proposed development shall not cause significant adverse impacts on surrounding properties nor create a nuisance by reason of noise, smoke, odors, vibrations, or objectionable lights.*
- 3. The hours of operation, outside lighting, and trash and waste collection must not pose a hazard, hardship, or nuisance to the neighborhood.*
- 4. The petitioner shall make a good-faith effort to address concerns of the adjoining property owners in the immediate neighborhood as defined in the pre-submittal neighborhood meeting for the specific proposal, if such a meeting is required.*

PROPOSED FINDING: There is a portion of the site that lies within the riparian buffer of Clear Creek and the proposed site plan shows the required riparian buffer plantings within the riparian buffer. As mentioned previously compensatory storage has been included to offset the proposed

fill, therefore reducing impacts to the floodplain. There are no other known regulated natural, scenic, or historic features that will be impacted. Although adjacent to the McDoel Historic District, this property is not located within a historic district. With the provision of the compensatory storage area, no adverse impacts are expected from the placement of the buildings and drives in the floodway fringe. No changes to trash and waste collection service are expected. This property and use are separated from the adjacent neighborhood to the east by Rogers Street, which provides a spatial separation to help minimize impacts on the adjacent neighborhood. As mentioned previously, this petition was presented to the McDoel Neighborhood Association and the questions regarding the overall layout of the buildings, possible uses within the buildings, possible storage of outdoor materials, and questions about impacts to the floodplain appeared to be adequately addressed by the petitioner.

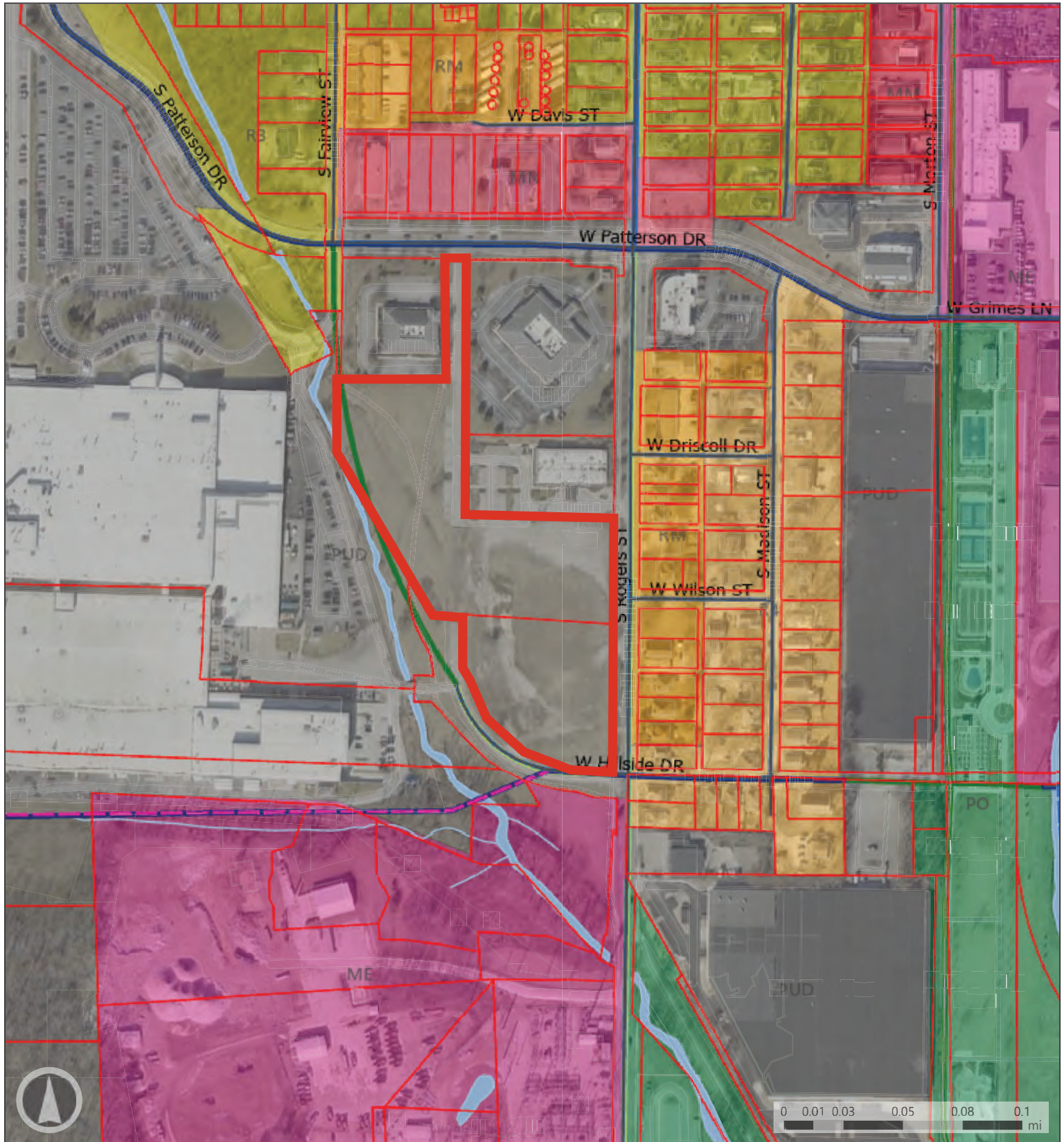
iv. Rational Phasing Plan

If the petition involves phases, each phase of the proposed development shall contain all of the required streets, utilities, landscaping, open space, and other improvements that are required to comply with the project's cumulative development to date and shall not depend upon subsequent phases for those improvements.

PROPOSED FINDING: No phasing is proposed with this plan.

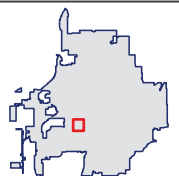
RECOMMENDATION: The Department recommends that the Board of Zoning Appeals adopt the proposed findings and approve CU-37-25/ZR2025-08-0088 with the following conditions:

1. Compliance with all State and Federal requirements is required prior to recommendation of final occupancy.
2. A Floodplain Development permit is required prior to any site disturbance.



Map Legend

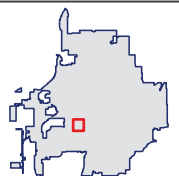
- | | | | |
|-------------------------|--------------------------|--------------------|-----------------------|
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| Current | Neighborhood Connector | Waterlines | Bloomington Municipal |
| City Maintained Streets | Neighborhood Residential | | Mixed-Use Employment |

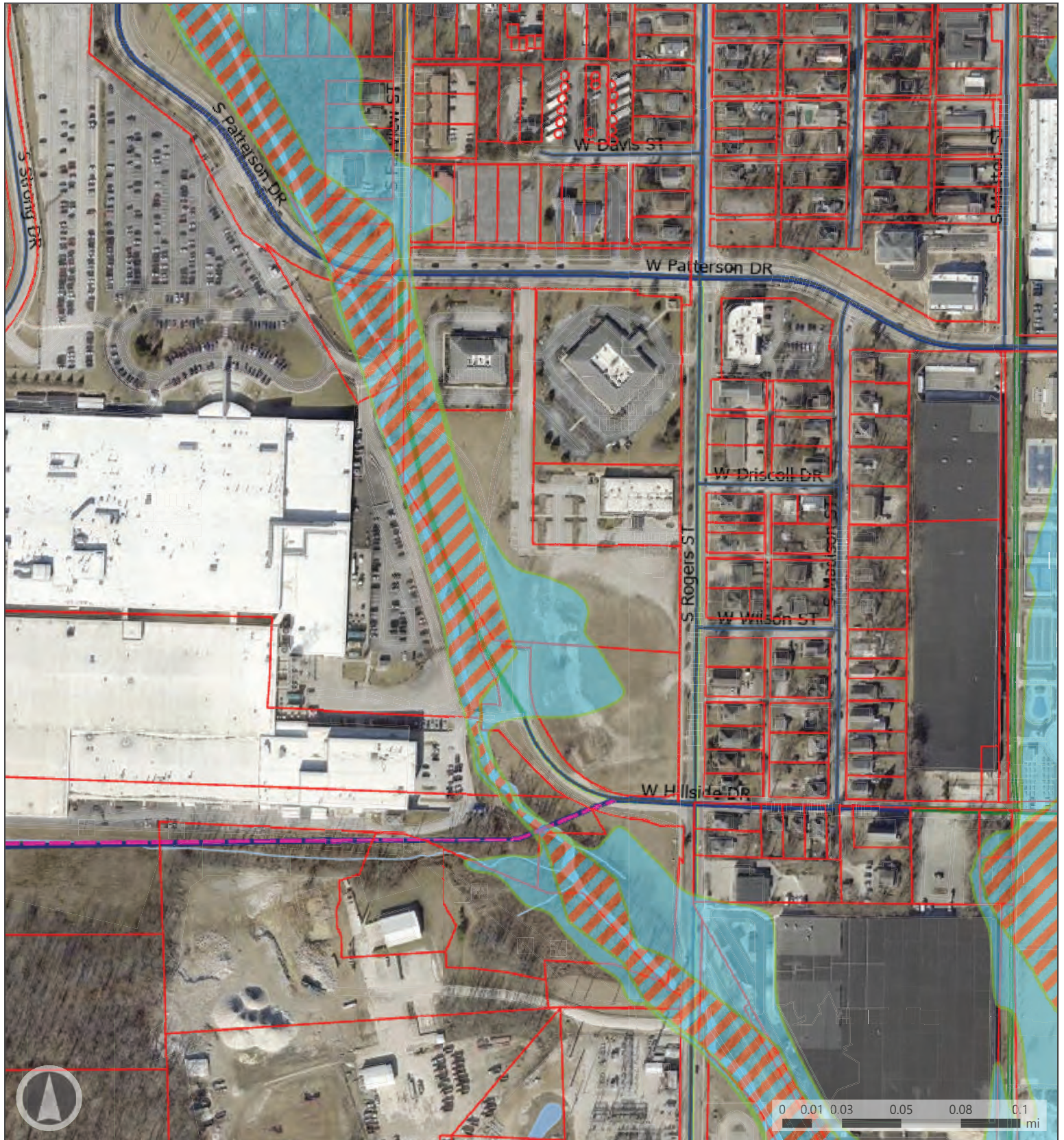




Map Legend

- | | | | |
|-------------------------|--------------------------|--------------------|-----------------------|
| Parcels | General Urban | Secondary Arterial | Waterbodies |
| Current | Neighborhood Connector | Waterlines | Bloomington Municipal |
| City Maintained Streets | Neighborhood Residential | | |





Map Legend

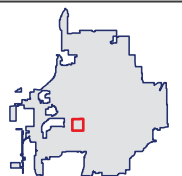
FLD_ZONE, SOURCE_DNR, ZONE_SUBTY

- FEMA Zone AE Floodway; FEMA Administrative Floodway
- FEMA Zone AE ; AE,NFHL, <Null>

Not Mapped

- Parcels
- Current

- City Maintained
- General Urban
- Neighborhood



City of Bloomington Planning and Transportation
City of Bloomington Board of Zoning Appeals
ATTN: Eric Greulich

401 N Morton Street
Suite 130
Bloomington, Indiana
47404

Petitioner Statement – BZA Filing

Project Narrative

The proposed project, BUILT Bloomington, is a proposed commercial development located at 1320 S Rogers Street in Bloomington, Indiana. The project consists of five (5) new buildings, ranging in size from approximately 6,750 square feet to 13,800 square feet. The proposed use for the site will be small-bay flex industrial spaces intended for storage and light trade operations, limited to uses compliant with S-1 occupancy codes regarding hazardous materials and consistent with Thomson PUD zoning parameters for industrial use. Client visits may occur by private appointment; however, storefront retail is not permitted. The site will be accessed via a new drive off of Hillside Drive and will include associated improvements such as parking, stormwater management, and utilities.

Proposed stormwater management features include three (3) dry ponds: Ponds 1 and 2 will provide compensatory storage for the floodplain fill required for the project, and Pond 3 will provide detention and attenuation of site runoff prior to discharge. All site runoff will ultimately discharge to West Branch Clear Creek.

Additional improvements include an underground stormwater conveyance system, proposed water, sanitary, and gas utility infrastructure, landscaping improvements, and the creation of a new plat to rearrange and establish easements. The total disturbed area for this development is approximately 3.94 acres.

This submittal is accompanied by a preliminary civil plan set with revisions that reflect feedback received from the Development Review Committee (DRC).

Site Description

The subject site is approximately 6.42 acres and currently consists of undeveloped ground with grassy vegetation, along with areas of asphalt and gravel. The northern portion of the site which is not slated for any hardscape improvements or buildings, contains an existing pedestrian walkway and parking. The site is within the Thomson Planned Unit Development (PUD) zoning district.

A portion of the site lies within a regulated flood zone area, including both Zone AE Floodplain and Zone AE Floodway. The proposed development has been carefully designed to avoid encroachment into the floodway, and any proposed fill within the floodplain will be offset through the use of compensatory storage provided by Ponds 1 and 2. The development is therefore intended to comply with all local, state, and federal floodplain management regulations.

Regulations require the finished floor elevations of all buildings located in a floodplain to be 2 feet above the Base Flood Elevation (BFE). The BFE at Buildings 1 and 4 which are in the flood

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For Tomorrow's
Challenges

plain was determined to be 727.50 and 725.90, respectively, through interpolation between known BFE's from the Flood Insurance Rate Map included in Tab 2 of the drainage report included with this submittal. In the proposed development, Building 1's finished floor elevation will be 729.50 and Building 2 will be at 727.90 to comply with the 2 foot rule.

In addition to the building elevations, the site will also be graded in such a way to provide storage to compensate for fill in the floodplain. Tab 5 of the drainage report details the compensatory storage calculations and demonstrates satisfactory compensatory storage. Proposed dry ponds 1 and 2 create 2,107 cubic yards of cut which compensates for the 1,853 cubic yards of fill in the floodplain.

Request

Conditional Use approval is requested from the Board of Zoning Appeals (BZA) for development activity within the floodplain.

Please reach out to me with any questions or concerns.

A handwritten signature in black ink that reads "Madeline Romero Sanders". The signature is written in a cursive, flowing style.

Madeline Sanders, P.E.
Project Engineer
Spaceco, Inc.
317-719-3596
msanders@spacecoinc.com

Floodplain Development Permit Application Checklist

Apply at <https://bloomington.in.gov/planning/permits>

- ☒ Sealed site plans: Sealed drawings showing existing and proposed features may be required including:
 - ☒ Location of the floodplain and all proposed structures and/or alterations proposed within the floodplain.
 - ☒ Land grades
 - ☒ Elevation of the top of the planned lowest floor (including basement) of all proposed buildings. Elevation should be in NAVD 88 or NGVD
- NA ☐ Elevation (in NAVD 88 or NGVD) to which any non-residential structure will be flood proofed
- NA ☐ Description of the extent to which any watercourse will be altered or relocated as a result of proposed development. A hydrologic and hydraulic engineering study is required, and any watercourse changes submitted to DNR for approval and then to FEMA as a Letter of Map Revision
- ☒ Buildings and structures
- ☒ Entrances and drives
- ☒ Parking layout
- ☒ Right-of-way
 - ☒ Right-of-way width
 - ☒ Pavement width
 - ☒ Street name(s)
 - ☒ Sidewalks
- NA ☐ Dedications including streets and other major improvements planned by the public for future construction on or adjacent to the tract as indicated by the City of Bloomington Transportation Plan
- ☒ Landscaping
- ☒ Storage of materials
- NA ☐ No Rise Certification – if in floodway

NA ☐ Approval from federal and state agencies including:

NA ☐ IDNR Construction in a Floodway Permit

☒ Other local permits (such as site development, stormwater management, right-of-way, etc)

Local permits underway

**FINAL STORMWATER
MANAGEMENT REPORT
FOR
BUILT BLOOMINGTON
1320 S ROGERS STREET
BLOOMINGTON, INDIANA**

Prepared For:
**ALT CONSTRUCTION
ZIONSVILLE, INDIANA**

Prepared By:
Spaceco, Inc.
9575 W. Higgins Road, Suite 700
Rosemont, IL 60018
PH: 847-696-4060
Contact: Madeline Romeo Sanders, P.E.
SPACECO PROJ #: 13341
ORIGINAL DATE: 5/21/2025
LAST REVISED: 8/15/2025



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TAB 1
STORMWATER NARRATIVE

STORMWATER NARRATIVE

INTRODUCTION

This report summarizes the stormwater management calculations for the proposed BUILT Bloomington development located at 1320 S Rogers Street in Bloomington, Indiana. The total site area is about ± 6.42 acres with about ± 3.94 acres of land disturbance. The stormwater analysis was performed based on the requirements of the City of Bloomington Utilities Stormwater Design Manual (June 26, 2024).

SOILS

Per the USDA NRCS Web Soil Survey, the primary soil types inside the project limits are Crider-Urban land complex, 2 to 6 percent slopes (CtB, HSG B) and Udorthents, loamy, (Ua, HSG none). A soils map is included in Tab 2.

FLOODPLAIN

Per the Flood Insurance Rate Map (FIRM) 18105C0143D, the site is partially located in a flood hazard area Zone AE and a floodway Zone AE. The development does not encroach on the regulatory floodway. A floodplain map is located in Tab 2 and floodplain compensatory storage details are below. Floodplain calculations are included in Tab 5.

EXISTING CONDITIONS

The existing site is approximately 6.42 acres and consists of undeveloped grassy ground cover as well as some asphalt and gravel. The site generally drains from east to west and is partially captured by an existing underground storm system that discharges on the south side of the site to West Branch Clear Creek.

Refer to Tab 3 for an exhibit showing the site's existing conditions and the portion of the site's property that will be disturbed by the proposed project. Table 1 below lists basin information for the site's disturbed area in the existing conditions.

Table 1. Disturbed Area/Existing Basin Information

Area	Composite Curve Number	Time of Concentration	10-year Runoff	100-year Runoff
3.94 acres	75	6 min	13.62 cfs	26.74 cfs

PROPOSED CONDITIONS

The proposed development consists of five proposed buildings including a $\pm 6,750$ sf building, two $\pm 13,800$ sf buildings, a $\pm 9,900$ sf building, and a $\pm 7,200$ sf building. Site improvements also include asphalt pavement, drainage infrastructure, and associated utility improvements. Table 2 shows the proposed basin information.

Table 2. Proposed Basin Information

Area	Composite Curve Number	Time of Concentration	10-year Runoff	100-year Runoff
2.52 acres	94	8 min	14.08 cfs	22.20 cfs

Much of the developed site will drain to a proposed storm sewer system and discharge into Proposed Dry Pond 3. Along with its water quality function, the purpose of this pond is to reduce the runoff from the proposed development to meet the allowable release rates using an outlet control structure. The allowable release rates were calculated using the site's disturbed area of 3.94 acres multiplied by the peak discharge limits from the City of Bloomington Utilities Stormwater Design Manual (0.5 cfs/acre for the 10-year and 0.9 cfs/acre for the 100-year). Table 3 below shows a comparison of the site's allowable release rates to the pond's discharge rates.

Table 3. Allowable Release Rates vs. Pond Discharge Rates

	10-year	100-year
Allowable Release Rate	1.97 cfs	3.54 cfs
Pond Discharge Rate	1.84 cfs	2.02 cfs

Part of the proposed development involves removing existing underground storm infrastructure while preserving the original drainage pattern.

Two existing storm pipes (24" CPP and 15" CPP) at the northwest corner of the site which carry runoff from the developed area to the north and originally continued west to West Branch Clear Creek will be rerouted to Proposed Dry Pond 1. The purpose of this pond is to convey the runoff from these two existing pipes back to West Branch Clear Creek and also provide compensatory storage in the floodplain which is explained more in depth in the floodplain section below.

Two additional existing storm pipes (12" CMP and 24" clay) just east of the two pipes described above which also convey runoff from the development to the north will be intercepted by a proposed 30" RCP which will circumvent the proposed development and carry the runoff from these two existing pipes to their original discharge point at the south side of the site. The 30" RCP will also pick up any floodwater or rainfall that may accumulate in Proposed Dry Pond 2.

STORMWATER DETENTION

Although there are three dry ponds proposed for this development, only Proposed Dry Pond 3 will receive runoff from the site and serve to reduce the increased runoff. This pond's outlet structure is designed with an orifice to control the discharge rate to below the allowable release rates as shown in Table 3 above. Refer to Tab 4 for outlet structure design information and pond storage calculations.

STORM SEWER SUMMARY

Proposed storm sewers for the project were designed using the Rational Method and input values as described by the City of Bloomington Utilities Stormwater Design Manual (June 26, 2024) for a 10-year peak storm event. Calculations are included in Tab 4 of this report.

FLOODPLAIN COMPENSATION

Part of the proposed development is located in the floodplain of West Branch Clear Creek as shown on the Flood Insurance Rate Map in Tab 2. As a result, design decisions were made considering the regulations for construction in a floodplain including the finished floor elevations of the buildings that encroach on the floodplain as well as the compensatory storage requirements for fill in a floodplain.

Regulations require building finished floor elevations to be 2 feet above the Base Flood Elevation (BFE) which was determined through interpolation to be approximately 727.50 at Proposed Building 1's northwest corner and 725.90 at Proposed Building 4's northwest corner. The finished floor elevations of these building and adjacent buildings were set at 729.50 and 727.90 to meet the 2-foot requirement.

Special consideration was also given to the site's grading. The total fill within the limits of the floodplain up to the BFE was determined to be 1,853 cubic yards. This volume or greater is the required volume of cut within the floodplain to meet the compensatory storage requirements. Proposed Dry Ponds 1 and 2 create 2,107 cubic yards of cut which is more than enough to compensate for the fill in the floodplain. Detailed calculations for compensatory storage are included in Tab 5.

STORMWATER QUALITY

Per the City of Bloomington Utilities Stormwater Design Manual (June 26, 2024), a treatment train is provided including a hydrodynamic separator and a dry pond in series. The water quality flowrate (Q_{wq}) used to size the hydrodynamic separators was calculated as outlined in Chapter 6.9. Water quality flowrate (Q_{wq}) calculations are included in Tab 6 of this report. The hydrodynamic separator will be installed offline just upstream of the outlet to the pond.

SUMMARY

Design and calculations were performed according to the City of Bloomington Utilities Stormwater Design Manual; therefore, no adverse impacts are anticipated from this design.

If you have any questions, feel free to contact me.

A handwritten signature in black ink that reads "Madeline Romeo Sanders". The script is cursive and fluid, with the first name "Madeline" being the most prominent part of the signature.

Madeline Romeo Sanders, P.E.
msanders@spacecoinc.com
317-719-3596

TAB 2 EXHIBITS



SITE LOCATION MAP



WETLANDS MAP



April 29, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

National Flood Hazard Layer FIRMette




















86°32'41"W 39°9'19"N





Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, AH9 With BFE or Depth Zone AE, AO, AH, VE, AR Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Uncertainty Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS	NO SCREEN 	Area of Minimal Flood Hazard <i>Zone X</i> Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>
GENERAL STRUCTURES	---- 	Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall
OTHER FEATURES	 20.2  17.5	Cross Sections with 1% Annual Chance Water Surface Elevation
	8 - - -	Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
	----	Coastal Transect Baseline
	 	Profile Baseline Hydrographic Feature
MAP PANELS		Digital Data Available
	 	No Digital Data Available Unmapped





The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

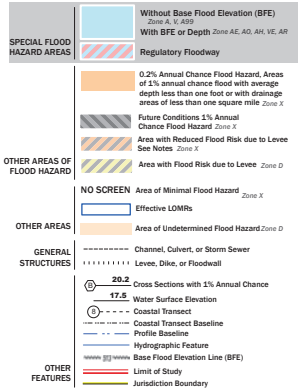
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/22/2024 at 10:06 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



FLOOD HAZARD INFORMATION
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP
FOR DRAFT FIRM PANEL LAYOUT



NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-3627) or visit the FEMA Flood Map Service Center website at <https://mmsc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities insuring land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM data. These may be obtained directly from the Flood Map Service Center or the number listed above.

For community and countywide map dates, refer to the Flood Insurance Study Report for this jurisdiction.

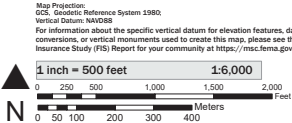
To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6820.

Base map information shown on this FIRM was provided in digital format by USDA, Farm Service Agency (FSA). This information was derived from NAD83, dated April 11, 2015.

This map was exported from FEMA's National Flood Hazard Layer (NFHL) on 10/23/2024 10:07 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL, and effective information may change or become superseded by new data over time. For additional information, please see the Flood Hazard Mapping Updates Overview Fact Sheet at <https://www.fema.gov/media-library/assets/documents/115418>.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date.

SCALE



NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP
PANEL 143 of 355

Panel Contains:
COMMUNITY
BLOOMINGTON

NUMBER
280109

PANEL
C413

Custom Soil Resource Report
Soil Map


49



Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)


Soils


 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water


 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole

 Slide or Slip

 Sodic Spot

 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals

Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Monroe County, Indiana

Survey Area Data: Version 31, Aug 26, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 15, 2022—Jun 21, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CtB	Crider-Urban land complex, 2 to 6 percent slopes	0.2	4.7%
Ua	Udorthents, loamy	3.8	95.3%
Totals for Area of Interest		4.0	100.0%

Map Unit Descriptions

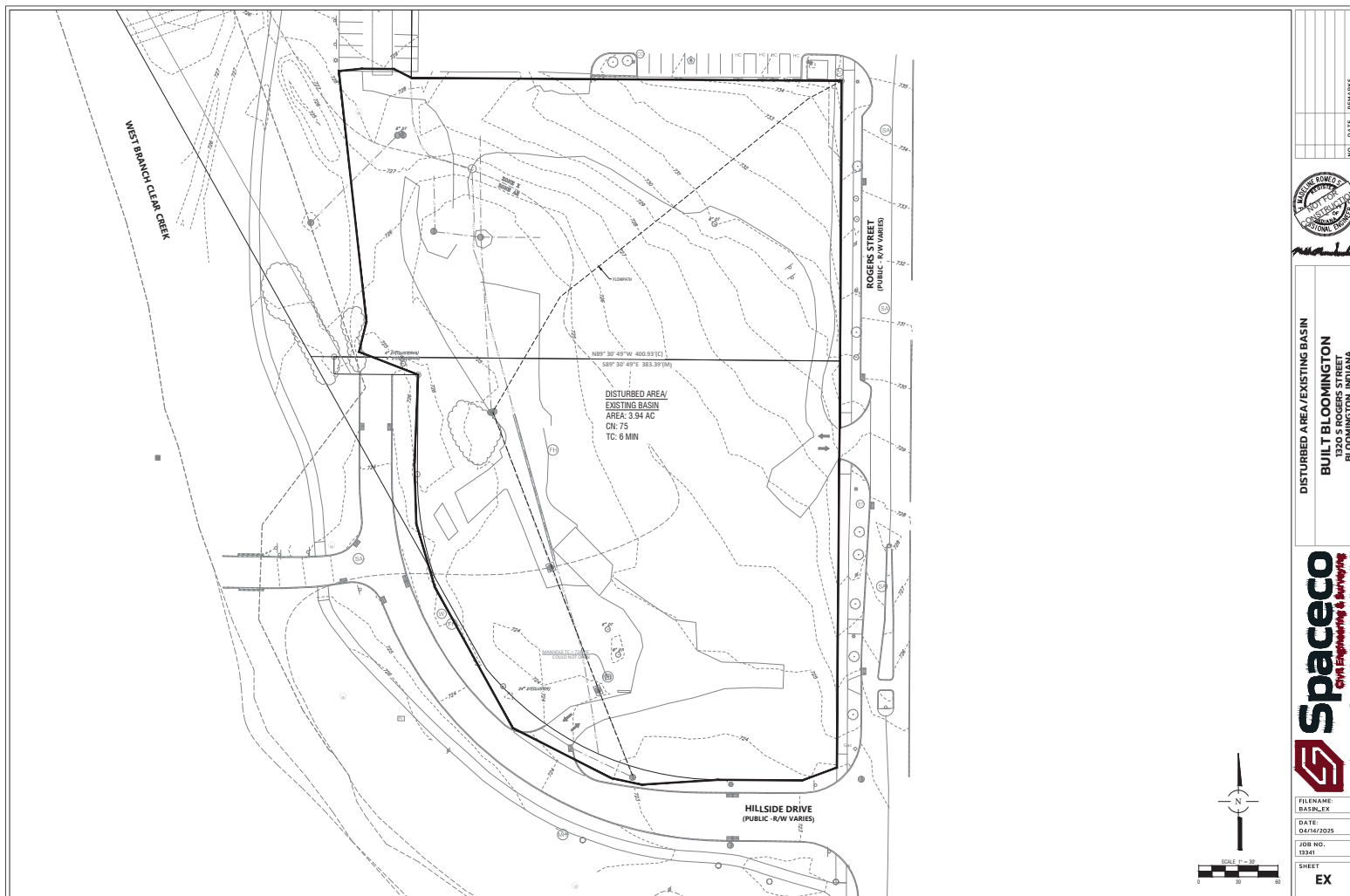
The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

TAB 3
EXISTING CONDITIONS



PROJECT: BUILT BLOOMINGTON
LOCATION: 1320 S ROGERS STREET

PROJECT #: 13341
DATE: 4/29/2025
LAST REVISED: _____

CALCULATION TITLE: CURVE NUMBER CALCULATION

DESCRIPTION: EXISTING BASIN

SITE CONDITION: EXISTING CONDITIONS

Soil Name and Hydrologic Group (Appendix A)	Cover Description (Cover Type, Treatment, and hydrologic conditions; percent Impervious; unconnected/connected impervious area ratio)	Curve Number Table 5-7	X	Product of Curve Number and Area
			Acres	
			Sq. M.	
			%	
B	IMPERVIOUS	98	0.35	34.08627181
B	PERVIOUS (Gravel)	85	0.85	71.94754362
B	PERVIOUS (Open Space, Fair Condition)	69	2.74	189.3745868
TOTALS =			3.94	295
			0.0062 sq. mi	

$$\text{CN (weighted)} = \frac{\text{Total Product}}{\text{Total Area}} = \frac{295.41}{3.94} = 75.00$$

Total Pervious 0.85
 Total Impervious 0.35
 % Impervious 8.8%

USE CN = 75

PROJECT: BUILT BLOOMINGTON
LOCATION: 1320 S ROGERS STREET

PROJECT #: 13341
DATE: 5/7/2025
LAST REVISED: _____

CALCULATION TITLE: TIME OF CONCENTRATION EXHIBIT

DESCRIPTION: DISTURBED AREA/EXISTING BASIN

SITE CONDITION: EXISTING CONDITIONS

SHEET FLOW

SEGMENT ID	1	
1. SUFACE DESCRIPTION (TABLE 3-1)	Gravel	
2. MANNING'S ROUGHNESS COEFF., n (TABLE 3-1)	0.03	
3. FLOW LENGTH, L (TOTAL <= 100 FT)	100	
4. TWO-YR 24-HR RAINFALL, P2	3.07	
5. LAND SLOPE, S	0.0644	
6. $T_t = \frac{0.007 (nL)^{0.8}}{P_2^{0.5} S^{0.4}}$	0.03	HR
	1.73	MIN

SHALLOW CONCENTRATED FLOW

SEGMENT ID	2	
7. SUFACE DESCRIPTION (TABLE 3-1)	UNPAVED	(TYPE PAVED OR PAVED)
8. FLOW LENGTH, L	236	FT
9. LAND SLOPE, S	0.0371	'/'
10. AVERAGE VELOCITY (FIGURE 3-1)	3.11	FT/S
11. $T_t = \frac{L}{3600 V}$	0.02	HR
	1.3	MIN

CHANNEL FLOW

	SEGMENT ID	3	4	5
		<u>12" PIPE</u>	<u>36" PIPE</u>	<u>48" PIPE</u>
12. CROSS SECTIONAL FLOW AREA		3.14	7.065	7.065
13. WETTED PERIMETER, P _w		6.28	6.28	6.28
14. HYDRAULIC RADIUS, r = a/P _w		0.50	1.13	1.13
15. CHANNEL SLOPE, s		#DIV/0!	0.0021	0.0011
16. MANNINGS ROUGHNESS COEFF., n		0.04	0.04	0.04
17. $V = \frac{1.49 r^{2/3} s^{1/2}}{n}$		#DIV/0!	1.83	1.34
18. FLOW LENGTH, L		0	319	0
19. $T_t = \frac{L}{3600 V}$	HR	#DIV/0!	0.048	0.000
	MIN	#DIV/0!	2.91	0.00

20. WATERSHED OR SUBAREA TC OR T_t TOTAL

0.10

5.9

USE 6 MIN

13341*Type II 24-hr 100yr, 24hr Rainfall=6.81"*

Prepared by Spaceco

Printed 5/7/2025

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Summary for Subcatchment 4S: EX

Runoff = 26.74 cfs @ 11.97 hrs, Volume= 1.308 af, Depth= 3.98"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
Type II 24-hr 100yr, 24hr Rainfall=6.81"

Area (ac)	CN	Description
* 3.940	75	
3.940		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

13341*Type II 24-hr 100yr, 24hr Rainfall=6.81"*

Prepared by Spaceco

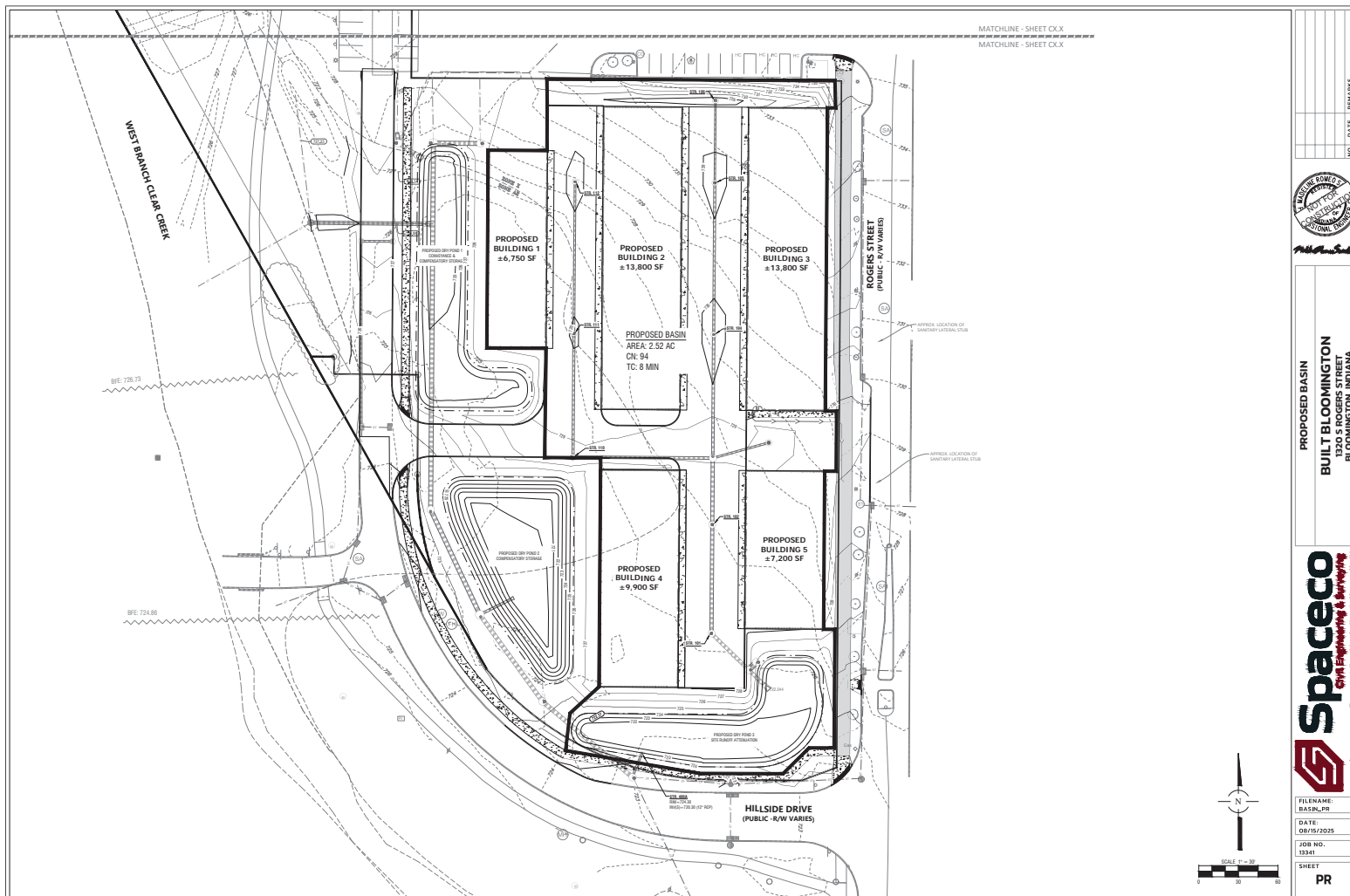
Printed 5/7/2025

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Events for Subcatchment 4S: EX

Event	Rainfall (inches)	Runoff (cfs)	Volume (acre-feet)	Depth (inches)
010yr, 24hr	4.44	13.62	0.658	2.00
100yr, 24hr	6.81	26.74	1.308	3.98

TAB 4
PROPOSED CONDITIONS



PROJECT: BUILT BLOOMINGTON
LOCATION: 1320 S ROGERS STREET

PROJECT #: 13341
DATE: 5/7/2025
LAST REVISED: _____

CALCULATION TITLE: CURVE NUMBER CALCULATION

DESCRIPTION: PROPOSED BASIN

SITE CONDITION: PROPOSED

Soil Name and Hydrologic Group (Appendix A)	Cover Description (Cover Type, Treatment, and hydrologic conditions; percent Impervious; unconnected/connected impervious area ratio)	Curve Number Table 5-7	Area	Product of Curve Number and Area
			X	
			Acres	
			Sq. M.	
			%	
D	IMPERVIOUS	98	1.98	193.932461
D	PERVIOUS (Open Space, Good Condition)	80	0.54	43.00642792
TOTALS =			2.52	237
			0.0039 sq. mi	

$$\text{CN (weighted)} = \frac{\text{Total Product}}{\text{Total Area}} = \frac{236.94}{2.52} = 94.15$$

Total Pervious #REF!
Total Impervious 1.98
% Impervious 78.6%

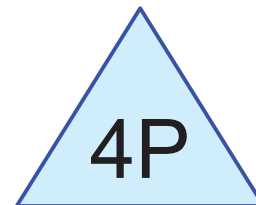
USE CN = 94

10yr allow (3.94ac x 0.5
cfs/ac) = 1.97 cfs

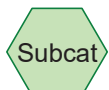
100yr allow (3.94ac x
0.9 cfs/ac) = 3.54 cfs



PR



DRY POND



Routing Diagram for 13341

Prepared by Spaceco, Printed 5/7/2025

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13341*Type II 24-hr 100yr, 24hr Rainfall=6.81"*

Prepared by Spaceco

Printed 8/15/2025

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Summary for Subcatchment 3S: PR

Runoff = 22.20 cfs @ 11.99 hrs, Volume= 1.281 af, Depth= 6.10"
 Routed to Pond 4P : DRY POND

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
 Type II 24-hr 100yr, 24hr Rainfall=6.81"

Area (ac)	CN	Description
* 2.520	94	
2.520		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.0					Direct Entry,

13341*Type II 24-hr 100yr, 24hr Rainfall=6.81"*

Prepared by Spaceco

Printed 8/15/2025

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Events for Subcatchment 3S: PR

Event	Rainfall (inches)	Runoff (cfs)	Volume (acre-feet)	Depth (inches)
010yr, 24hr	4.44	14.08	0.789	3.76
100yr, 24hr	6.81	22.20	1.281	6.10

13341

Type II 24-hr 100yr, 24hr Rainfall=6.81"

Prepared by Spaceco

Printed 8/15/2025

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Summary for Pond 4P: DRY POND

Inflow Area = 2.520 ac, 0.00% Impervious, Inflow Depth = 6.10" for 100yr, 24hr event
 Inflow = 22.20 cfs @ 11.99 hrs, Volume= 1.281 af
 Outflow = 2.02 cfs @ 12.49 hrs, Volume= 1.281 af, Atten= 91%, Lag= 30.0 min
 Primary = 2.02 cfs @ 12.49 hrs, Volume= 1.281 af

Routing by Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
 Peak Elev= 723.87' @ 12.49 hrs Surf.Area= 62,350 sf Storage= 22,679 cf

Plug-Flow detention time= 87.5 min calculated for 1.280 af (100% of inflow)
 Center-of-Mass det. time= 87.5 min (850.9 - 763.4)

Volume	Invert	Avail.Storage	Storage Description
#1	720.30'	32,850 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
720.30	100	0	0
721.00	1,392	522	522
722.00	5,135	3,264	3,786
723.00	7,730	6,433	10,218
723.70	9,852	6,154	16,372
724.00	100,000	16,478	32,850

Device	Routing	Invert	Outlet Devices
#1	Primary	720.30'	12.0" Round Culvert L= 20.0' RCP, groove end projecting, Ke= 0.200 Inlet / Outlet Invert= 720.30' / 718.71' S= 0.0795 ' / Cc= 0.900 n= 0.013, Flow Area= 0.79 sf
#2	Device 1	720.30'	6.5" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Primary OutFlow Max=2.02 cfs @ 12.49 hrs HW=723.87' (Free Discharge)

↑ **1=Culvert** (Passes 2.02 cfs of 8.29 cfs potential flow)
 ↑ **2=Orifice/Grate** (Orifice Controls 2.02 cfs @ 8.75 fps)

13341*Type II 24-hr 100yr, 24hr Rainfall=6.81"*

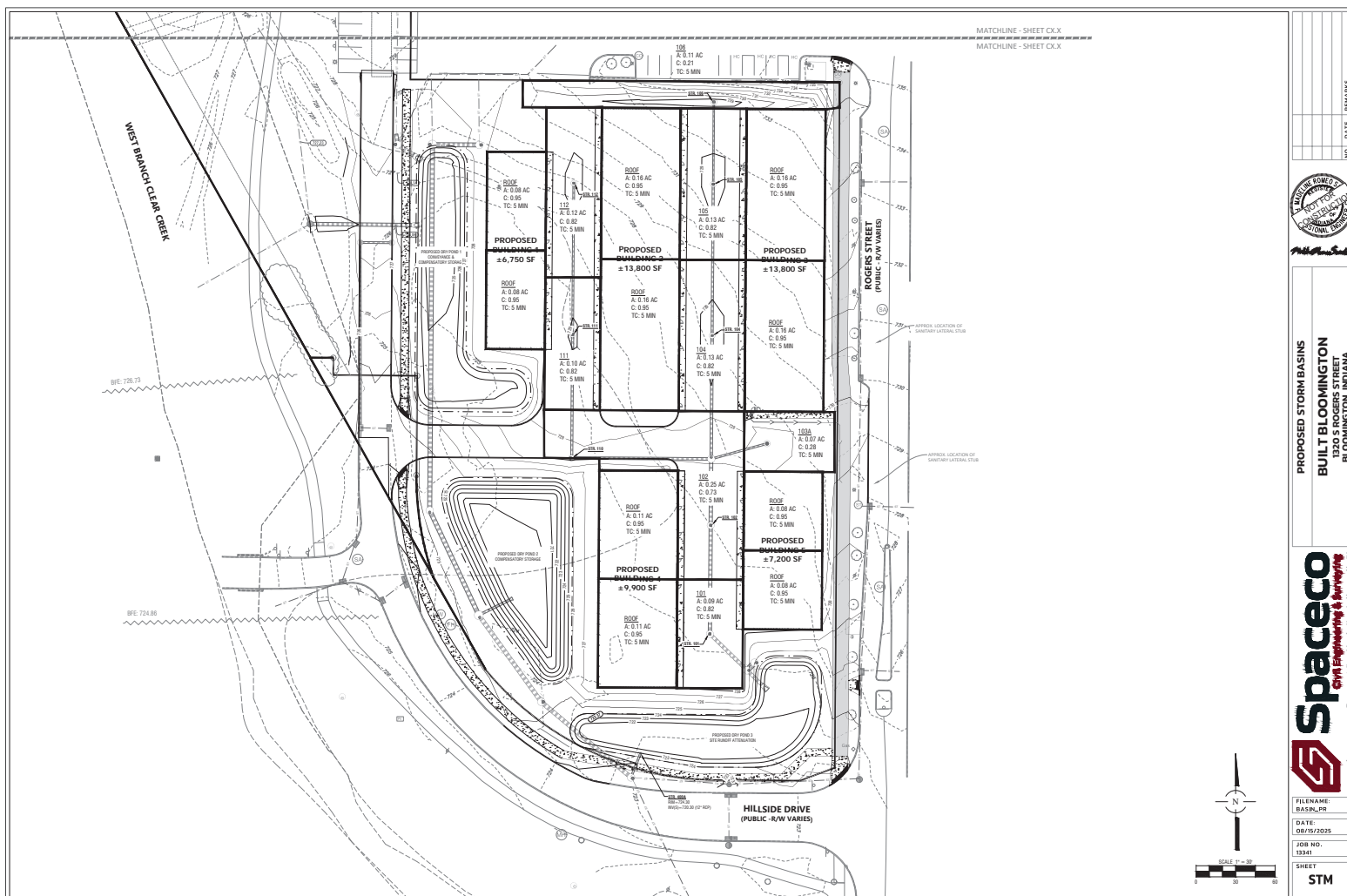
Prepared by Spaceco

Printed 8/15/2025

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Events for Pond 4P: DRY POND

Event	Inflow (cfs)	Primary (cfs)	Elevation (feet)	Storage (cubic-feet)
010yr, 24hr	14.08	1.84	723.31	12,763
100yr, 24hr	22.20	2.02	723.87	22,679



PROJECT: BUILT BLOOMINGTON PROJECT #: 13341
LOCATION: 1320 S ROGERS STREET DATE: 5/7/2025
LAST REVISED: _____

CALCULATION TITLE: STORM BASIN RATIONAL COMPOSITE C
DESCRIPTION: _____

Rational Method Runoff Coefficients

Roof 0.95
Asphalt 0.82
Lawn 0.21

101

Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
0	4123	0	4123	0.09	0.82

101+ROOF

Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
8550	4123	0	12673	0.29	0.91

102

Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
0	7995	2690	10685	0.25	0.67

102+ROOF

Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
8550	7995	2690	19235	0.44	0.79

103A

Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
0	340	2786	3126	0.07	0.28

104

Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
0	5750	0	5750	0.13	0.82

104+ROOF

Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
13796	5750	0	19546	0.45	0.91

105

Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
0	5750	0	5750	0.13	0.82

105+ROOF

Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
13796	5750	0	19546	0.45	0.91

106

Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
0	0	4916	4916	0.11	0.21

111

Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
0	4243	0	4243	0.10	0.82

111+ROOF

Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
3375	4243	0	7618	0.17	0.88

112

Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
0	5437	0	5437	0.12	0.82

112+ROOF

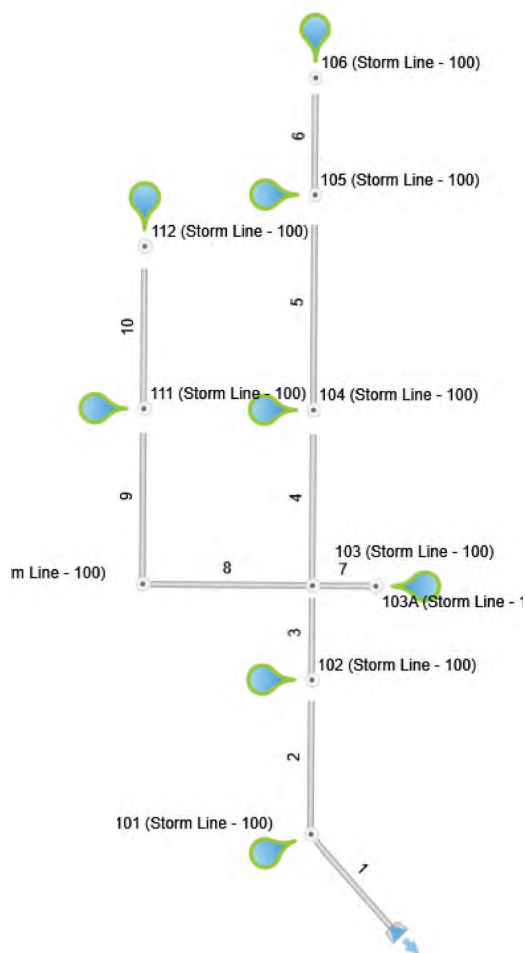
Roof (sf)	Asphalt (sf)	Lawn (sf)	Total (sf)	Total (acres)	Composite C
3375	5437	0	8812	0.20	0.87

Plan View

Stormwater Studio 2025 v 3.0.0.38

Project Name: BUILT Bloomington

08-14-2025



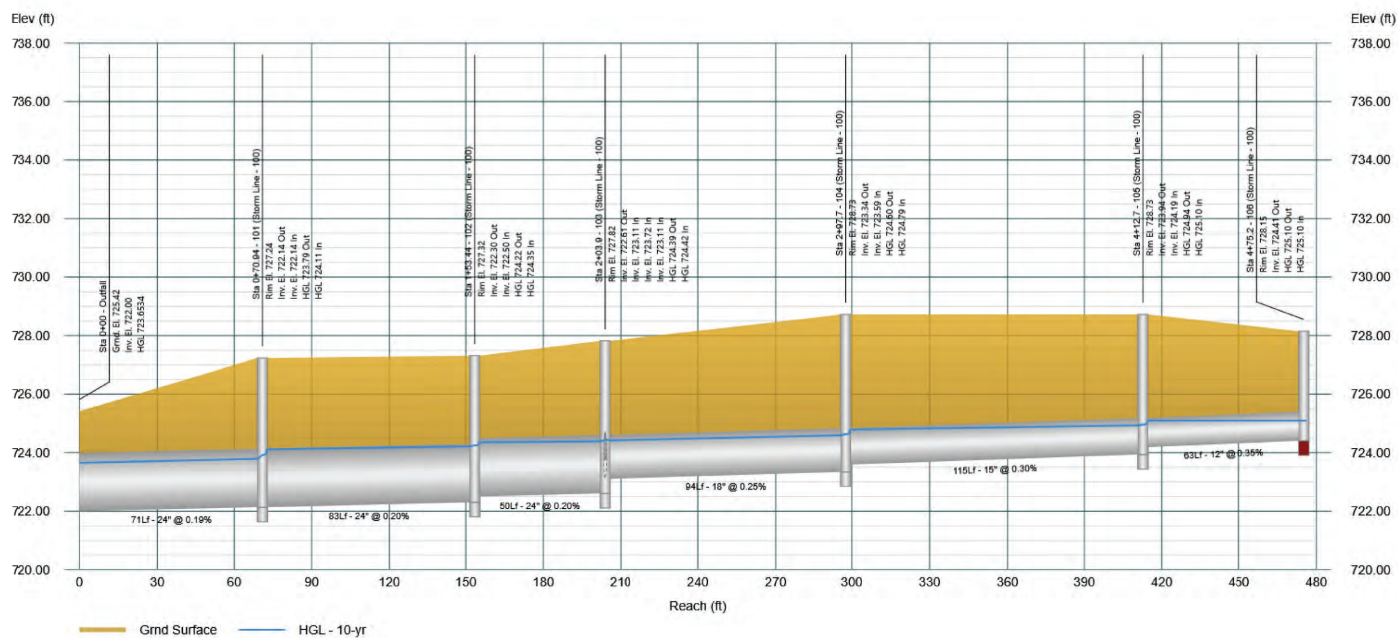
Project File: 13341.sws

Profile View

Stormwater Studio 2025 v 3.0.0.38

Project Name: BUILT Bloomington

08-14-2025



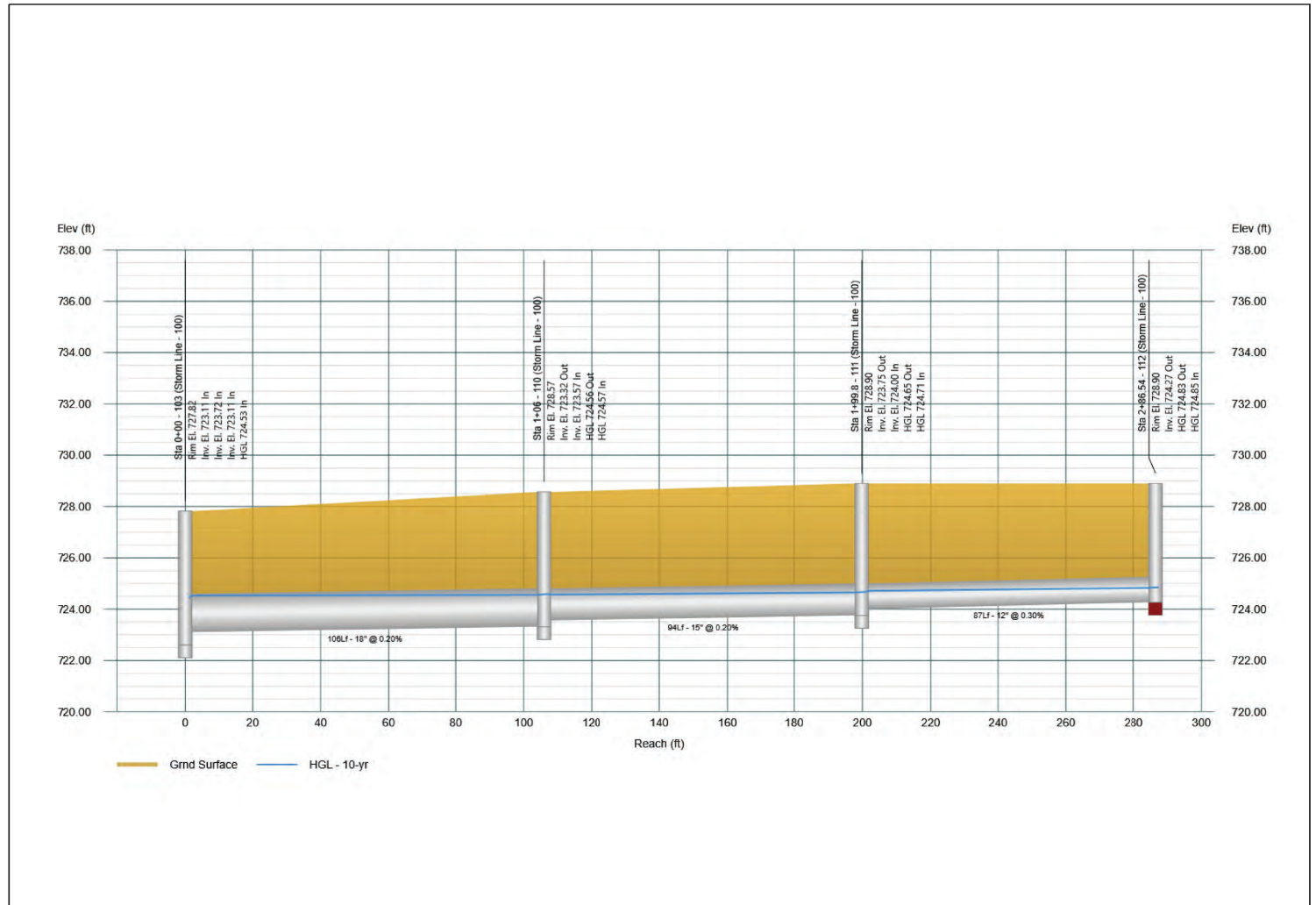
Project File: 13341.sws

Profile View

Stormwater Studio 2025 v 3.0.0.38

Project Name: BUILT Bloomington

08-14-2025



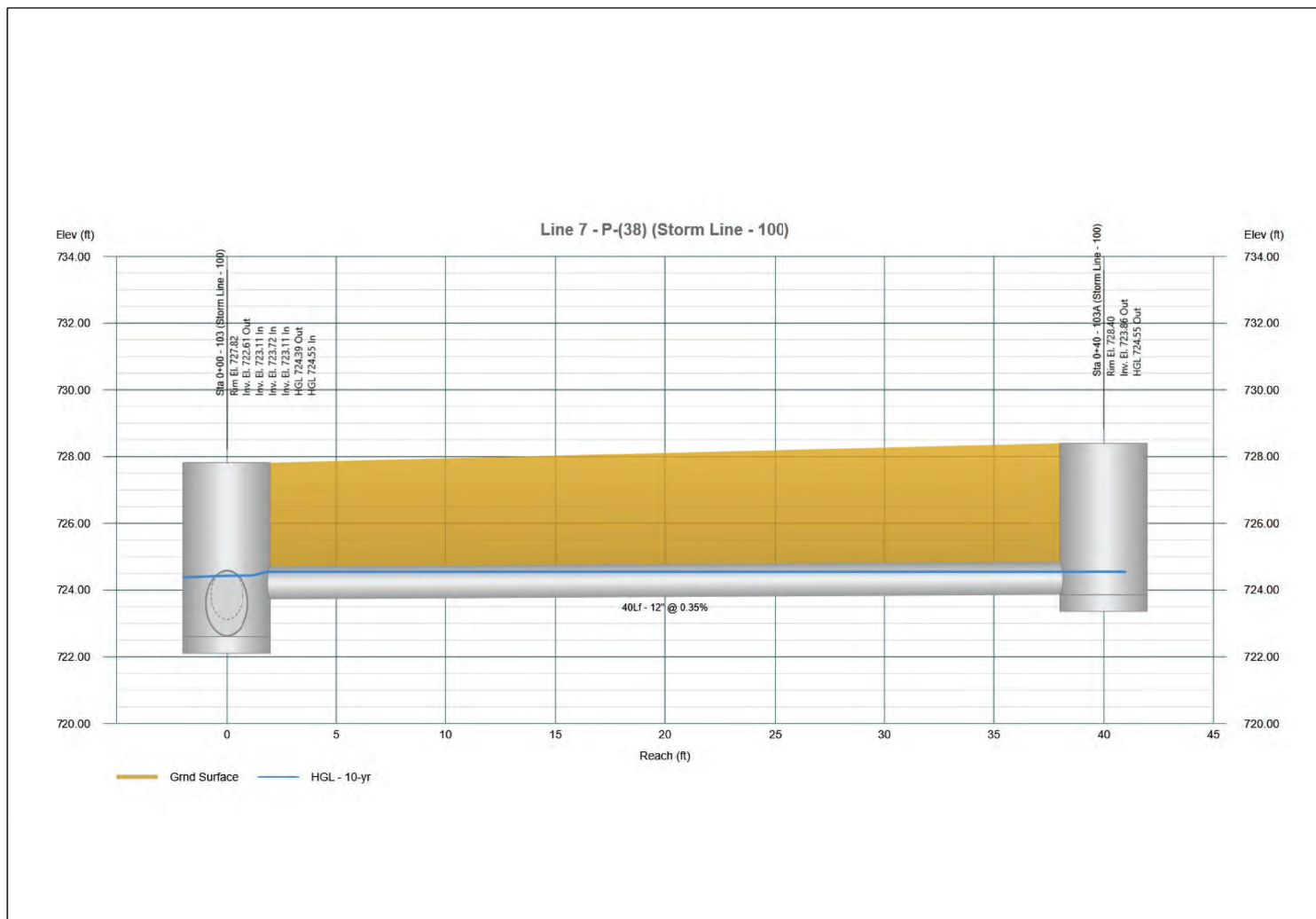
Project File: 13341.sws

Profile View

Stormwater Studio 2025 v 3.0.0.38

Project Name: BUILT Bloomington

08-14-2025



Project File: 13341.sws

Line ID	Length (ft)	Drng Area		Rational (C)	C x A		Tc		Intensity (in/hr)	Total Q (cfs)	Capacity (cfs)	Velocity (ft/s)	Line		Invert Elev		HGL Elev		Surface Elev		Line No
		Incr	Total		Inlet	Syst	Size	Slope					Up	Dn	Up	Dn	Up	Dn			
		(ac)	(ac)		(min)	(min)	(in)	(%)					(ft)	(ft)	(ft)	(ft)	(ft)	(ft)			
P-(76) (Storm Line - 100)	70.94	0.290	2.180	0.91	0.26	1.80	5.0	7.12	6.57	11.81	11.72	4.25	24	0.19	722.14	722.00	723.79	723.65	727.24	725.42	1
P-(59) (Storm Line - 100)	82.50	0.440	1.890	0.79	0.35	1.53	5.0	6.80	6.68	10.24	12.05	3.29	24	0.20	722.30	722.14	724.22	724.11	727.32	727.24	2
P-(58) (Storm Line - 100)	50.45	0.000	1.450	0.00	0.00	1.19	0.0	6.60	6.75	8.00	12.01	2.67	24	0.20	722.61	722.50	724.39	724.35	727.82	727.32	3
P-(26) (Storm Line - 100)	93.80	0.450	1.010	0.91	0.41	0.84	5.0	6.09	6.93	5.84	6.26	3.64	18	0.25	723.34	723.11	724.60	724.42	728.73	727.82	4
P-(31) (Storm Line - 100)	115.00	0.450	0.560	0.91	0.41	0.43	5.0	5.58	7.13	3.08	4.17	2.75	15	0.30	723.94	723.59	724.94	724.79	728.73	728.73	5
P-(52) (Storm Line - 100)	62.50	0.110	0.110	0.21	0.02	0.02	5.0	5.00	7.37	0.17	2.49	0.26	12	0.35	724.41	724.19	725.10	725.10	728.15	728.73	6
P-(38) (Storm Line - 100)	40.00	0.070	0.070	0.28	0.02	0.02	5.0	5.00	7.37	0.14	2.49	0.23	12	0.35	723.86	723.72	724.55	724.55	728.40	727.82	7
P-(81) (Storm Line - 100)	106.00	0.000	0.370	0.00	0.00	0.32	5.0	6.00	6.97	2.25	5.52	1.37	18	0.20	723.32	723.11	724.56	724.53	728.57	727.82	8
P-(80) (Storm Line - 100)	93.80	0.170	0.370	0.88	0.15	0.32	5.0	5.48	7.17	2.32	3.43	2.33	15	0.20	723.75	723.57	724.65	724.57	728.90	728.57	9
P-(79) (Storm Line - 100)	86.74	0.200	0.200	0.87	0.17	0.17	5.0	5.00	7.37	1.28	2.31	2.49	12	0.30	724.27	724.00	724.83	724.71	728.90	728.90	10
Notes: IDF File = BloomingtonIDF.idf, Return Period = 10-yrs.																					
Project File: 13341.sws																					

[illegible]

PROJECT: BUILT BLOOMINGTON
LOCATION: 1320 S ROGERS STREET

PROJECT #: 13341
DATE: 5/21/2025

CALCULATION TITLE: INLET CAPACITY CALCULATIONS
DESCRIPTION: INLET BASINS
SITE CONDITION: PROPOSED

Curb Inlet (R-3287-10V)
 A = Square Foot Open = 2.10 ft² = 1.05 ft² (50% clogged)
 P = Weir Perimeter = 5.50 ft = 2.75 ft (50% clogged)

Curb Inlet (R-3287-SB10)
 A = Square Foot Open = 1.50 ft² = 0.75 ft² (50% clogged)
 P = Weir Perimeter = 5.50 ft = 2.75 ft (50% clogged)

Flat Grate Inlet (R-3405)
 A = Square Foot Open = 1.50 ft² = 0.75 ft² (50% clogged)
 P = Weir Perimeter = 7.90 ft = 3.95 ft (50% clogged)

Beehive Inlet (R-4342)
 A = Square Foot Open = 2.00 ft² = 1.00 ft² (50% clogged)
 P = Weir Perimeter = 6.00 ft = 3.00 ft (50% clogged)

Reference: Neenah

$$Q = 3.0P(d)^{3/2}$$

Weir Condition (d<0.3')

$$Q = 4.89A(d)^{3/2}$$

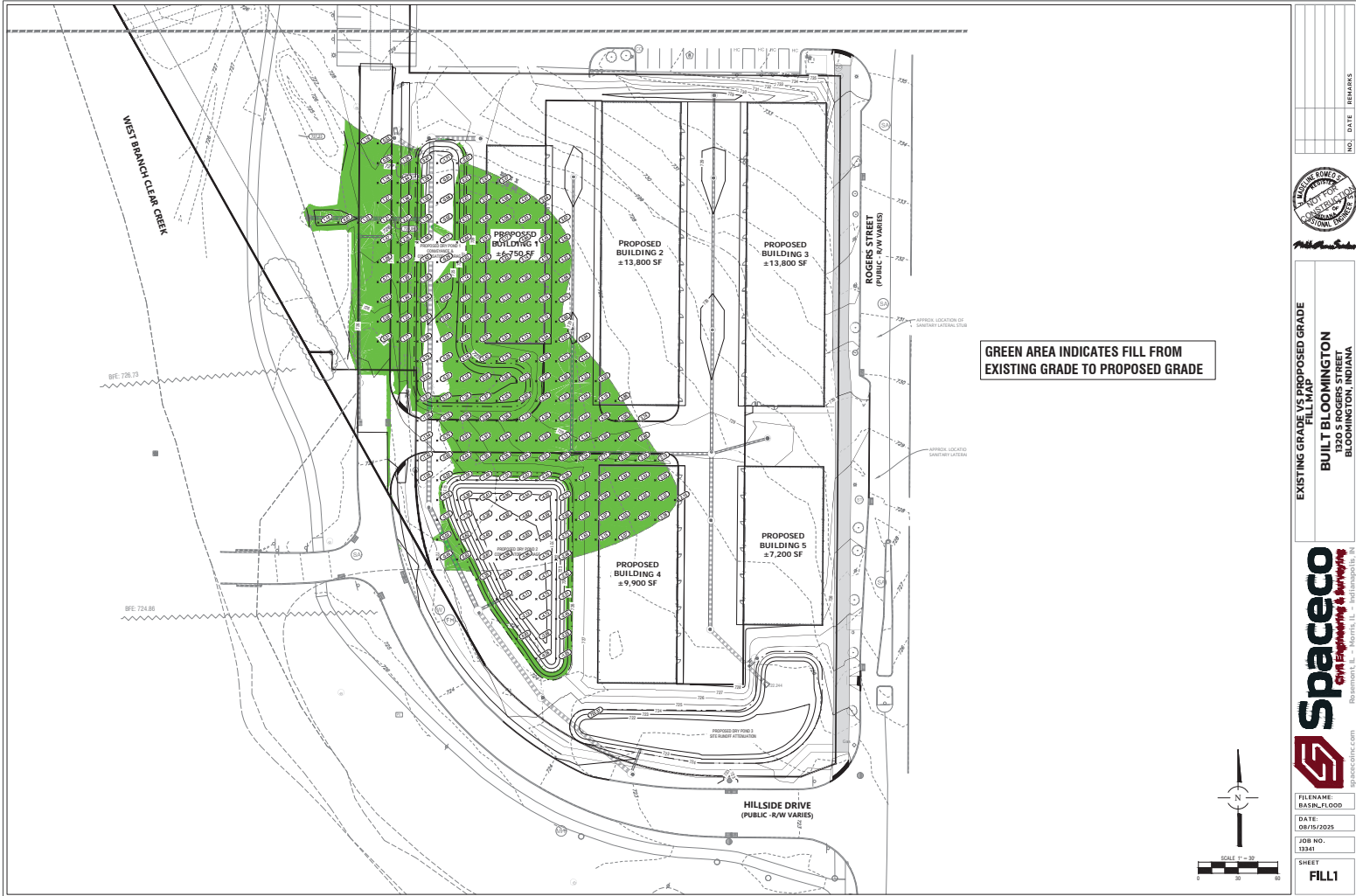
Orifice Condition (d>0.4')

Reference: HERPICC Stormwater Drainage Manual-Revised July 1994 (Equations 5.3.2 & 5.3.3)

(control depth is based on d(weir) if d(weir)<0.4, if d(weir)>0.4 then d(orifice))

STR. #	Type	Area	Weighted "C" Value	Intensity	Q	Depth (d weir)	Depth (d orifice)	Max Depth	Allowable Depth
		(ac)		(in/hr)	(cfs)	(ft)	(ft)	(ft)	6 inches
101	Flat Grate Inlet (R-3405)	0.09	0.82	7.46	0.58	0.13	0.04	0.13	OK
102	Flat Grate Inlet (R-3405)	0.25	0.67	7.46	1.22	0.22	0.09	0.22	OK
103A	Beehive Inlet (R-4342)	0.07	0.28	7.46	0.15	0.06	0.01	0.06	OK
104	Flat Grate Inlet (R-3405)	0.13	0.82	7.46	0.81	0.17	0.06	0.17	OK
105	Flat Grate Inlet (R-3405)	0.13	0.82	7.46	0.81	0.17	0.06	0.17	OK
106	Beehive Inlet (R-4342)	0.11	0.21	7.46	0.18	0.07	0.01	0.07	OK
111	Flat Grate Inlet (R-3405)	0.10	0.82	7.46	0.60	0.14	0.04	0.14	OK
112	Flat Grate Inlet (R-3405)	0.12	0.82	7.46	0.76	0.16	0.06	0.16	OK

TAB 5
**FLOODPLAIN FILL/
COMPENSATION CALCULATIONS**

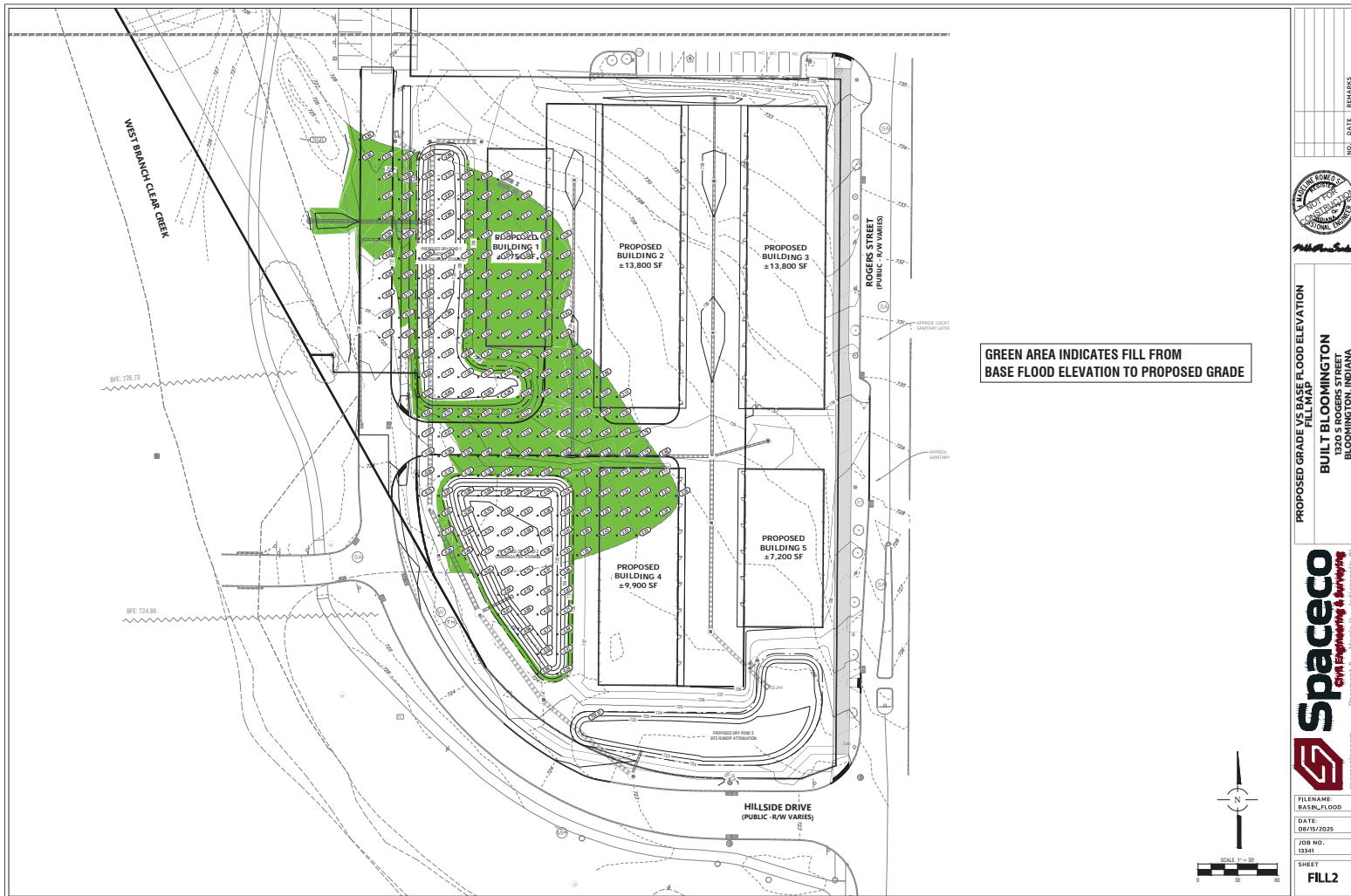


FILE NAME	BASIN_FLOOD
DATE	08/15/2025
JOB NO.	13341
SHEET	FILL1

Spaceco
Civil Engineering & Surveying
Bloomington, IN • Indianapolis, IN • Fort Wayne, IN • Ellettsville, IN

EXISTING GRADE VS. PROPOSED GRADE
BUILT BLOOMINGTON
BLOOMINGTON, INDIANA

NOT DATE REVISIONS



NO.	DATE	REMARKS

Spaceco
Civil Engineering & Surveying
Bloomington, IL • Indianapolis, IN • Fort Wayne, IN

PROPOSED GRADE VS. BASE FLOOD ELEVATION
BUILT BLOOMINGTON
BLOOMINGTON, INDIANA

FILENAME: BASE_FLOOD
DATE: 08/15/2025
JOB NO: 13341
SHEET: **FILL2**

Cut/Fill Report

Generated:

2025-08-15 09:03:26

By user:

mromeo

Drawing:

N:\Projects 13000-13999\13341 - INDY\EARTHWORK\N:\Projects 13000-13999\13341 - INDY\EARTHWORK\EARTHWORK.dwg

Volume Summary							
Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
BFEvsPG_FloodOnly	full	1.000	1.000	59830.04	2107	2084	24<Cut>
EGvsPG_FloodOnly	full	1.000	1.000	59830.04	1314	3937	2622<Fill>
Totals							
				2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Total				119660.07	3422	6020	2598<Fill>

* Value adjusted by cut or fill factor other than 1.0



PROJECT: BUILT BLOOMINGTON
LOCATION: 1320 S ROGERS STREET

PROJECT #: 13341
DATE: 8/15/2025
LAST REVISED:

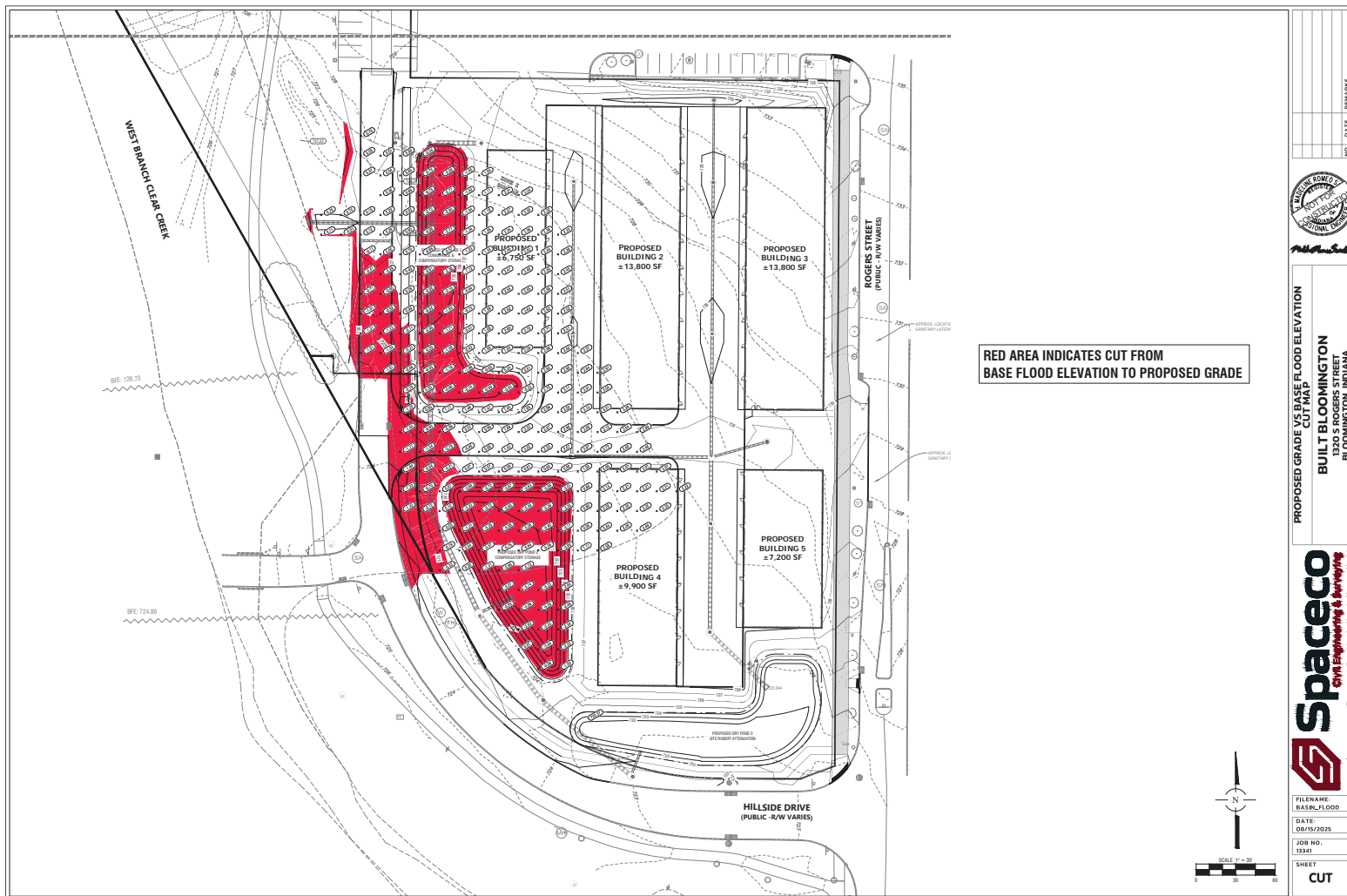
CALCULATION TITLE: COMPENSATORY STORAGE

DESCRIPTION: FILL CALCULATION

SITE CONDITION: PROPOSED

PROPOSED FILL IN FLOODPLAIN

- 1) FILL FROM EXISTING GRADE = 3,937 CY
TO PROPOSED GRADE
- 2) FILL FROM BFE TO = 2,084 CY
PROPOSED GRADE
- 3) **TOTAL FILL IN FLOODPLAIN = 1,853 CY**
(LINE 1 - LINE 2)



Cut/Fill Report

Generated:

2025-08-15 09:03:26

By user:

mromeo

Drawing:

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Volume Summary							
Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
BFEvsPG_FloodOnly	full	1.000	1.000	59830.04	2107	2084	24<Cut>
EGvsPG_FloodOnly	full	1.000	1.000	59830.04	1314	3937	2622<Fill>
Totals							
				2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Total				119660.07	3422	6020	2598<Fill>

* Value adjusted by cut or fill factor other than 1.0



PROJECT: BUILT BLOOMINGTON
LOCATION: 1320 S ROGERS STREET

PROJECT #: 13341
DATE: 8/15/2025
LAST REVISED:

CALCULATION TITLE: COMPENSATORY STORAGE

DESCRIPTION: CUT CALCULATION

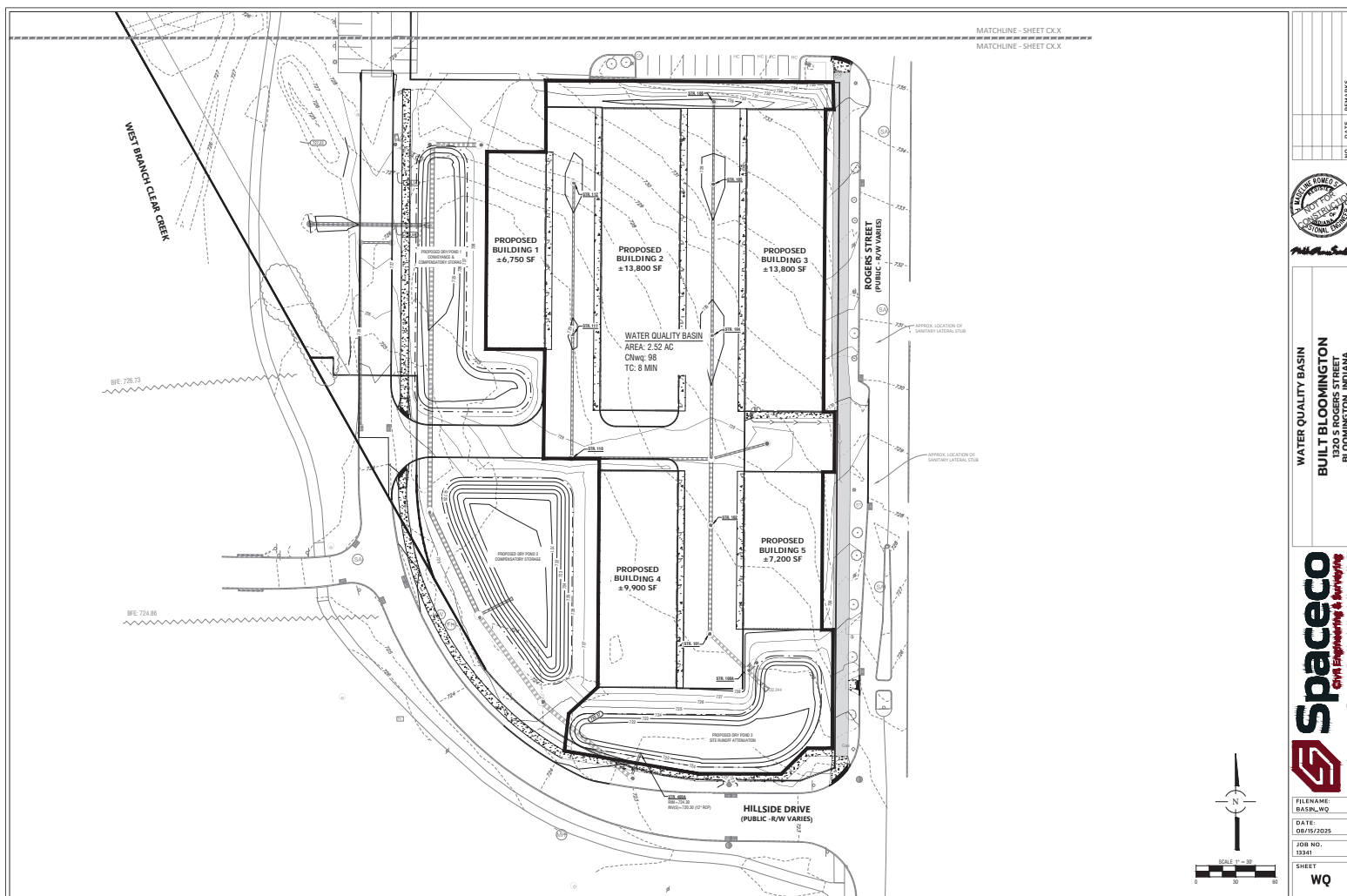
SITE CONDITION: PROPOSED

PROPOSED CUT IN FLOODPLAIN

TOTAL CUT FROM BFE = 2,107 CYD
 GRADE TO PROPOSED GRADE
 (COMPENSATORY CUT)

COMPENSATORY CUT IS GREATER THAN TOTAL FILL IN FLOODPLAIN

TAB 6
WATER QUALITY



PROJECT: BUILT BLOOMINGTON
LOCATION: 1320 S ROGERS STREET

PROJECT #: 13341
DATE: 8/15/2025
LAST REVISED: _____

CALCULATION TITLE: WATER QUALITY CURVE NUMBER CALCULATION

Storm Line - 1 STR 100A

I = 79 percentage of impervious cover (%)
 $R_v = 0.05 + 0.009I$
Rv = 0.76

WQvi = (1 inch)Rv
WQvi = 0.76

$CN_{wq} = 1000 / (10 + 5P + 10WQvi - 10(WQvi^2 + 1.25WQviP)^{1/2})$
CNwq = 98

Tc = 8.00 min

13341_WQ*Type II 24-hr Rainfall=1.00"*

Prepared by Spaceco

Printed 8/15/2025

HydroCAD® 10.10-6a s/n 11935 © 2020 HydroCAD Software Solutions LLC

Summary for Subcatchment 3S: WQ

Runoff = 3.04 cfs @ 11.99 hrs, Volume= 0.166 af, Depth= 0.79"
 Routed to nonexistent node 4P

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
 Type II 24-hr Rainfall=1.00"

Area (ac)	CN	Description
* 2.520	98	
2.520		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.0					Direct Entry,



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

PHILIP D. MURPHY
Governor

DIVISION OF WATERSHED PROTECTION AND RESTORATION
BUREAU OF NJPDES STORMWATER PERMITTING

SHAWN M. LATOURETTE
Commissioner

TAHESHA L. WAY
Lt. Governor

P.O. Box 420 Mail Code 501-02A
Trenton, New Jersey 08625-0420
609-633-7021 / Fax: 609-777-0432
<https://dep.nj.gov/stormwater/>

May 15, 2025

Bo Liu, P.E., Ph.D.
Senior Engineer
Advanced Drainage Systems, Inc.
4640 Trueman Boulevard
Hilliard, OH 43206

Re: MTD Lab Certification
Arcadia Hydrodynamic Separator by ADS
Online Installation

TSS Removal Rate 50%

Dear Dr. Liu:

The Stormwater Management rules under N.J.A.C. 7:8-5.2(f) and 5.2(j) allow the use of manufactured treatment devices (MTDs) for compliance with the design and performance standards at N.J.A.C. 7:8-5 if the pollutant removal rates have been verified by the New Jersey Corporation for Advanced Technology (NJCAT) and have been certified by the New Jersey Department of Environmental Protection (NJDEP). Advanced Drainage Systems, Inc. (ADS) has requested a Laboratory Certification for the Arcadia Hydrodynamic Separator (Arcadia).

The project falls under the "Procedure for Obtaining Verification of a Stormwater Manufactured Treatment Device from New Jersey Corporation for Advanced Technology" dated August 4, 2021. The applicable protocol is the "New Jersey Laboratory Testing Protocol to Assess Total Suspended Solids Removal by a Hydrodynamic Sedimentation Manufactured Treatment Device" dated January 1, 2021, and last updated April 25, 2023.

NJCAT verification documents submitted to the NJDEP indicate that the requirements of the aforementioned protocol have been met or exceeded. The NJCAT letter also included a recommended certification TSS removal rate and the required maintenance plan. The NJCAT Verification Report with the Verification Appendix (dated May 2025) for this device is published online at <http://www.njcat.org/verification-process/technology-verification-database.html>.

The NJDEP certifies the use of the Arcadia Hydrodynamic Separator by Advanced Drainage Systems, Inc. at a TSS removal rate of 50% when designed, operated and maintained in accordance with the information provided in the Verification Appendix and the following conditions:

1. The maximum treatment flow rate (MTFR) for the manufactured treatment device is calculated using the New Jersey Water Quality Design Storm (1.25 inches in 2 hrs) in N.J.A.C. 7:8-5.5.
2. The Arcadia Hydrodynamic Separator shall be installed using the same configuration reviewed by NJCAT and shall be sized in accordance with the criteria specified in item 6 below.
3. This Arcadia Hydrodynamic Separator cannot be used in series with another MTD or a media filter (such as a sand filter) to achieve an enhanced removal rate for total suspended solids (TSS) removal under N.J.A.C. 7:8-5.5.
4. Additional design criteria for MTDs can be found in Chapter 11.3 of the New Jersey Stormwater Best Management Practices (NJ Stormwater BMP) Manual which can be found on-line at <https://dep.nj.gov/stormwater/>.
5. The maintenance plan for a site using this device shall incorporate, at a minimum, the maintenance requirements for the Arcadia Hydrodynamic Separator. A copy of the maintenance plan is attached to this certification. However, it is recommended to review the maintenance website at https://assets.adspipe.com/m/2b13451739fb2bfe/original/Arcadia-Separator-Maintenance-Guide.pdf?_gl=1*_1y3snpz*_gcl_au*MjA0NDY0MjY3OS4xNzQzNjAwNzky*_ga*ODM4MDE3ODA2LjE3MzU1NzA5NzQ.*_ga_1TPLC9D3R7*czE3NDczMzQyODMkbzkkZzEkdDE3NDczMzQ0NDEkajYwJGwwJGgzMTIzMzMzNjY for any changes to the maintenance requirements.
6. Sizing Requirements:

The example below demonstrates the sizing procedure for the Arcadia Hydrodynamic Separator:

Example: A 0.25-acre impervious site with a slope of 5% is to be treated to 50% TSS removal using an Arcadia Hydrodynamic Separator. The hydraulically most distant point to the inlet of the Arcadia is 110 feet. The site is located in an area for which the projected 2-year storm rainfall depth was calculated to be 3.84 inches.

Maximum Treatment Flow Rate (MTFR) Evaluation:

The site runoff (Q) was based on the following:

CN = 98 (Curve Number for impervious)
 Dimensionless Unit Hydrograph (DUH) = SCS Standard DUH (peak rate factor of 484)
 Time of concentration = 0.8 minutes
 Q = 0.77 cfs

Given the site runoff is 0.77 cfs and based on Table 1 below, the Arcadia ARC3 model with an MTFR of 0.95 cfs would be the smallest model approved that could be used for this site that could remove 50% of the TSS from the impervious area without exceeding the MTFR.

The sizing table corresponding to the available system models is noted below. Additional specifications regarding each model can be found in the Verification Appendix.

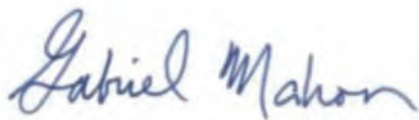
Table 1: Arcadia Hydrodynamic Separator Models and Associated MTRs

Arcadia Hydrodynamic Separator Model	Diameter (ft)	Maximum Treatment Flow Rate (cfs)	Treatment Area (sq. ft.)	Hydraulic Loading Rate (gpm/sq. ft.)
Arcadia ARC3	3	0.95	7.07	60.0
Arcadia ARC4	4	1.68	12.57	60.0
Arcadia ARC5	5	2.63	19.63	60.0
Arcadia ARC6	6	3.78	28.27	60.0
Arcadia ARC8	8	6.72	50.27	60.0
Arcadia ARC10	10	10.5	78.54	60.0

Be advised a detailed maintenance plan is mandatory for any project with a Stormwater BMP subject to the Stormwater Management Rules, N.J.A.C. 7:8. The plan must include all the items identified in the Stormwater Management Rules, N.J.A.C. 7:8-5.8. Such items include, but are not limited to, the list of inspection and maintenance equipment and tools, specific corrective and preventative maintenance tasks, indication of problems in the system, and training of maintenance personnel. Additional information can be found in Chapter 8: Maintenance and Retrofit of Stormwater Management Measures.

If you have any questions regarding the above information, please contact Peter Pliantinos of my office at Lisa.Schaefer@dep.nj.gov.

Sincerely,



Gabriel Mahon, Chief
Bureau of NJPDES Stormwater Permitting
Division of Watershed Protection and Restoration
New Jersey Department of Environmental Protection

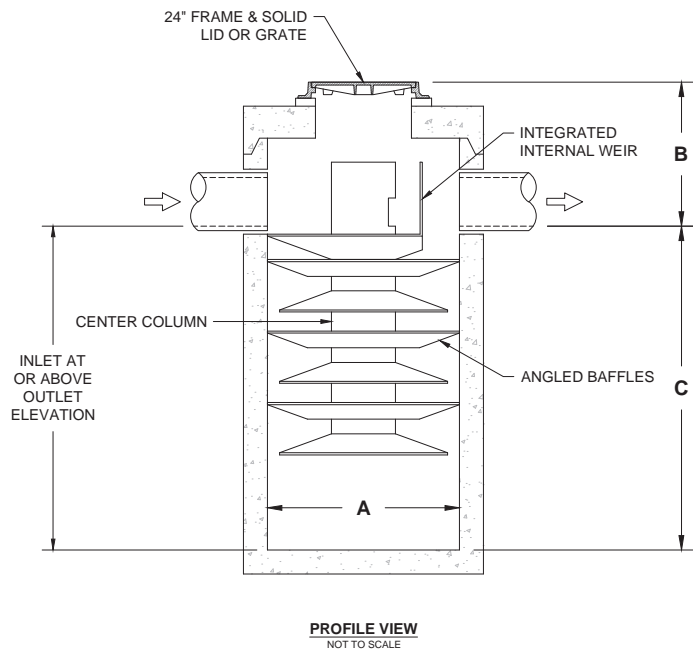
Attachment: Maintenance Plan

c: Richard Magee, NJCAT

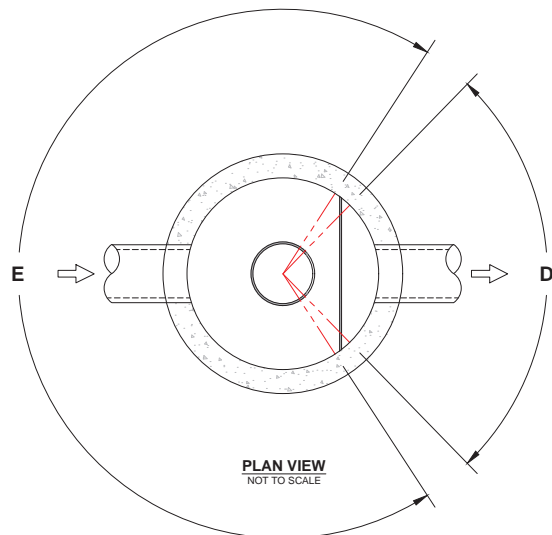
PRODUCT SPECIFICATIONS

- THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.
- THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL-SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.
 - OR-

THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH d_{50} =75 MICRON AND 200 MG/L INFLUENT CONCENTRATION.



MODEL	DESIGN TREATMENT RATE (CFS)		STRUCTURE DIAMETER "A"	MIN. RIM TO OUTLET DEPTH "B"	SUMP DEPTH "C"	ALLOWABLE PIPE ANGLE		MAXIMUM PIPE DIAMETER	
	NJCAT	OK-110				OUTLET "D"	INLET "E"	OUTLET "F"	INLET "G"
ARC3	0.95	-	36"	36"	55"	100.0"	241.5"	18"	18"
ARC4	1.68	-	48"	36"	81"	99.5"	247.0"	24"	30"
ARC5	2.63	-	60"	36"	81"	108.5"	240.5"	36"	36"
ARC6	3.78	-	72"	36"	81"	103.0"	246.5"	42"	48"
ARC8	6.72	-	96"	39"	132"	105.5"	246.5"	60"	60"
ARC10	10.50	-	120"	48"	162"	98.0"	256.5"	72"	84"

**NOTES:**

- ENGINEER / CONTRACTOR TO CONFIRM PIPE MATERIALS AND APPLICABLE ADAPTERS
- CONTRACTOR IS RESPONSIBLE FOR MATERIAL AND LABOR TO BRING CASTINGS TO FINISHED GRADE
- CONTRACTOR TO MEASURE HEIGHT OF STRUCTURE TO ENSURE THAT DEPTH OF EXCAVATION IS CORRECT.
- UNIT SHALL CONFORM TO HS20-44 LOAD RATINGS.

ARCADIA	
GENERAL CONFIGURATION	
CONCRETE MANHOLE	
DATE: 03/08/23	DRAWN: JLM
DRAWING # 530410	CHECKED: JLM
ARCADIA Stormwater Separator	
4640 TRUEMAN BLVD HILLIARD, OH 43026	
ADS	
1 SHEET OF 1	



COVER SHEET

BUILT BLOOMINGTON
1320 S ROGERS STREET
BLOOMINGTON, INDIANA



FILENAME:
13341_C1.O_COV

DATE:
09/04/2025

JOB NO.
13341

SHEET
C1.O

**1320 S ROGERS STREET
BLOOMINGTON, INDIANA 47403
PROJECT NO: 13341**

811
Know what's below.
Call before you dig.

CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
CALL TOLL FREE
PER INDIANA STATE LAW ICB 1-26.
IT IS AGAINST THE LAW TO EXCAVATE WITHOUT
NOTIFYING THE UNDERGROUND LOCATION
SERVICE TWO (2) WORKING DAYS BEFORE
COMMENCING WORK.





BUILT BLOOMINGTON
1320 S ROGERS STREET
BLOOMINGTON, INDIANA



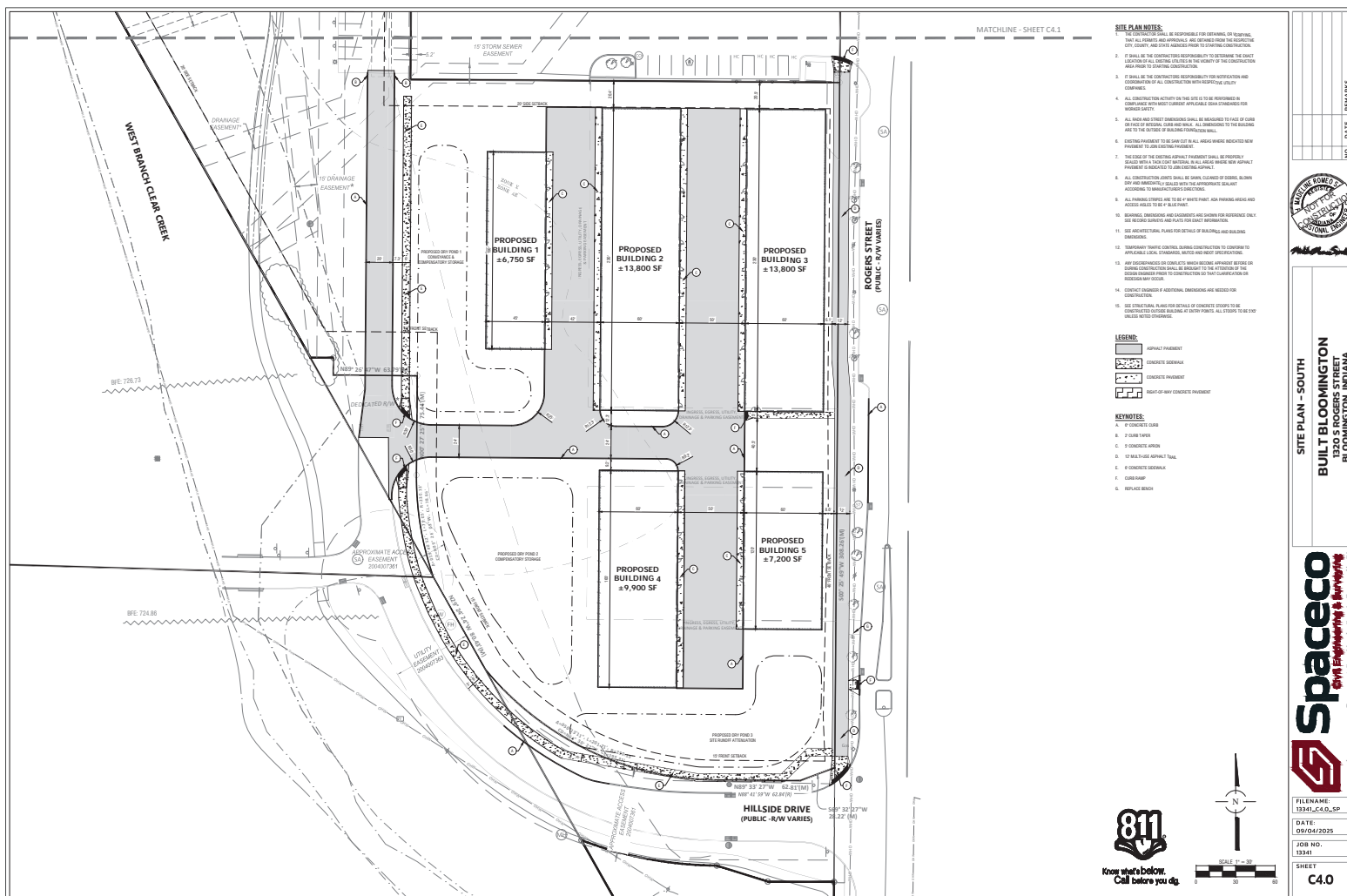
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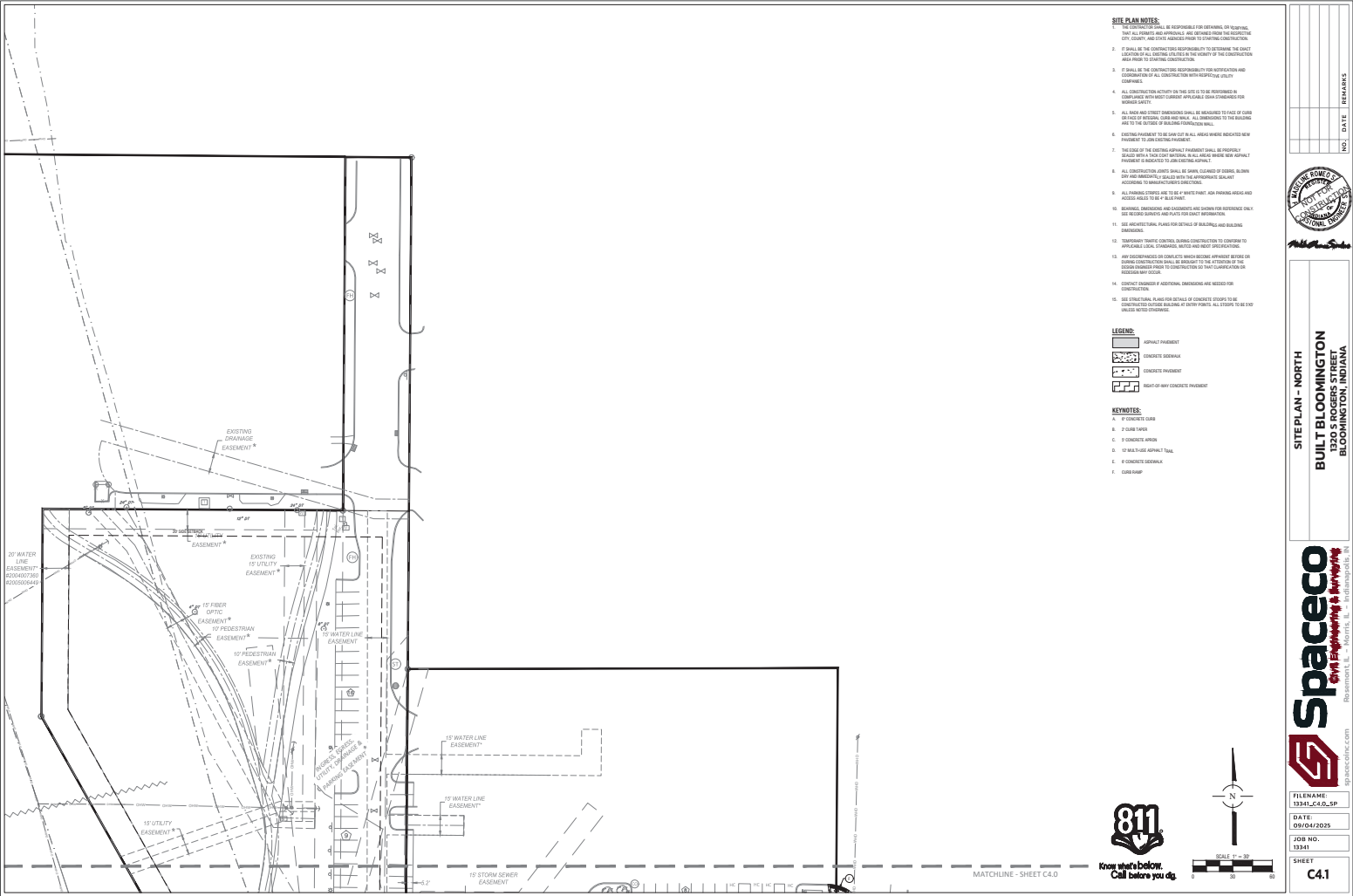
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13341_C3.0_XCD

DATE:
09/04/2025

JOB NO.
13341

SHEET
C3.1





- SITE PLAN NOTES:**
- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO BEGINNING CONSTRUCTION.
 - 2. IF SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE EXISTING EASEMENTS AND UTILITIES IN THE PROPERTY OF THE CONSTRUCTION AREA PRIOR TO BEGINNING CONSTRUCTION.
 - 3. IF SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR NOTIFICATION AND COMPLETION OF ALL CONSTRUCTION WITH RESPECTIVE UTILITY COMPANIES.
 - 4. ALL CONSTRUCTION ACTIVITY ON THE SITE IS TO BE PERFORMED IN COMPLIANCE WITH MOST CURRENT APPLICABLE LOCAL ORDINANCES AND ORDINANCES.
 - 5. ALL ROAD AND STREET OVERSIGHTS SHALL BE MEASURED TO FACE OF CURB OR FACE OF SIDEWALK CURB AND GUTTER. ALL OVERSIGHTS TO THE BUILDING ARE TO THE CENTER OF BUILDING FOUNDATION WALL.
 - 6. EXISTING EASEMENTS TO BE SHOWN IN ALL AREAS WHERE INDICATED NEW EASEMENTS TO JOIN EXISTING EASEMENTS.
 - 7. THE EDGE OF THE EXISTING ASPHALT PAVEMENT SHALL BE PROPERLY REPAIRED WITH A NEW CURB MATERIAL. ALL AREAS BASED NEW ASPHALT PAVEMENT IS INDICATED TO JOIN EXISTING ASPHALT.
 - 8. ALL CONSTRUCTION AREAS SHALL BE SHOWN CLEARLY OF EXISTING, BUILT, AND UNBUILT AREAS WITH THE APPROPRIATE SHALTY INDICATING TO THE CONSTRUCTION DIRECTOR.
 - 9. ALL FINISHING LINES ARE TO BE 4" WHITE PAINT. ALL FINISHING AREAS AND AREAS SHALL BE 4" WHITE PAINT.
 - 10. FINISHING LINES AND AREAS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD DRAWING AND PLANS FOR EXACT INFORMATION.
 - 11. THE ARCHITECTURAL PLANS FOR DETAILS OF ROADWAY AND BUILDING OVERSIGHTS.
 - 12. CONSTRUCTION SHALL COMPLY WITH ALL ORDINANCES TO CONFORM TO APPLICABLE LOCAL ORDINANCES, RULES AND REGULATIONS.
 - 13. ANY DISCREPANCIES OR CONFLICTS WITH RECORD DRAWING OR EXISTING CONSTRUCTION SHALL BE REPORTED TO THE ARCHITECT OR THE CONSTRUCTION DIRECTOR PRIOR TO CONSTRUCTION OF THE CONSTRUCTION OR DISCREPANCY MAY OCCUR.
 - 14. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RECORD DRAWING.
 - 15. SEE STRUCTURAL PLANS FOR DETAILS OF CONCRETE STRUCTURE TO BE CONSTRUCTED. SEE RECORD DRAWING OF EXISTING AREAS. ALL EXISTING AREAS TO BE REPAIRED WITHIN 100' OF CONSTRUCTION.

- LEGEND:**
- ASPHALT PAVEMENT
 - CONCRETE SIDEWALK
 - CONCRETE PAVEMENT
 - RIGHT-OF-WAY CONCRETE PAVEMENT

- KEYNOTES:**
- A. 1" FINISH LINE
 - B. 2" CURB TAPER
 - C. 1" CONCRETE AREAS
 - D. 12" WIDE-USE ASPHALT TAIL
 - E. 12" CONCRETE SIDEWALK
 - F. CURB TAIL

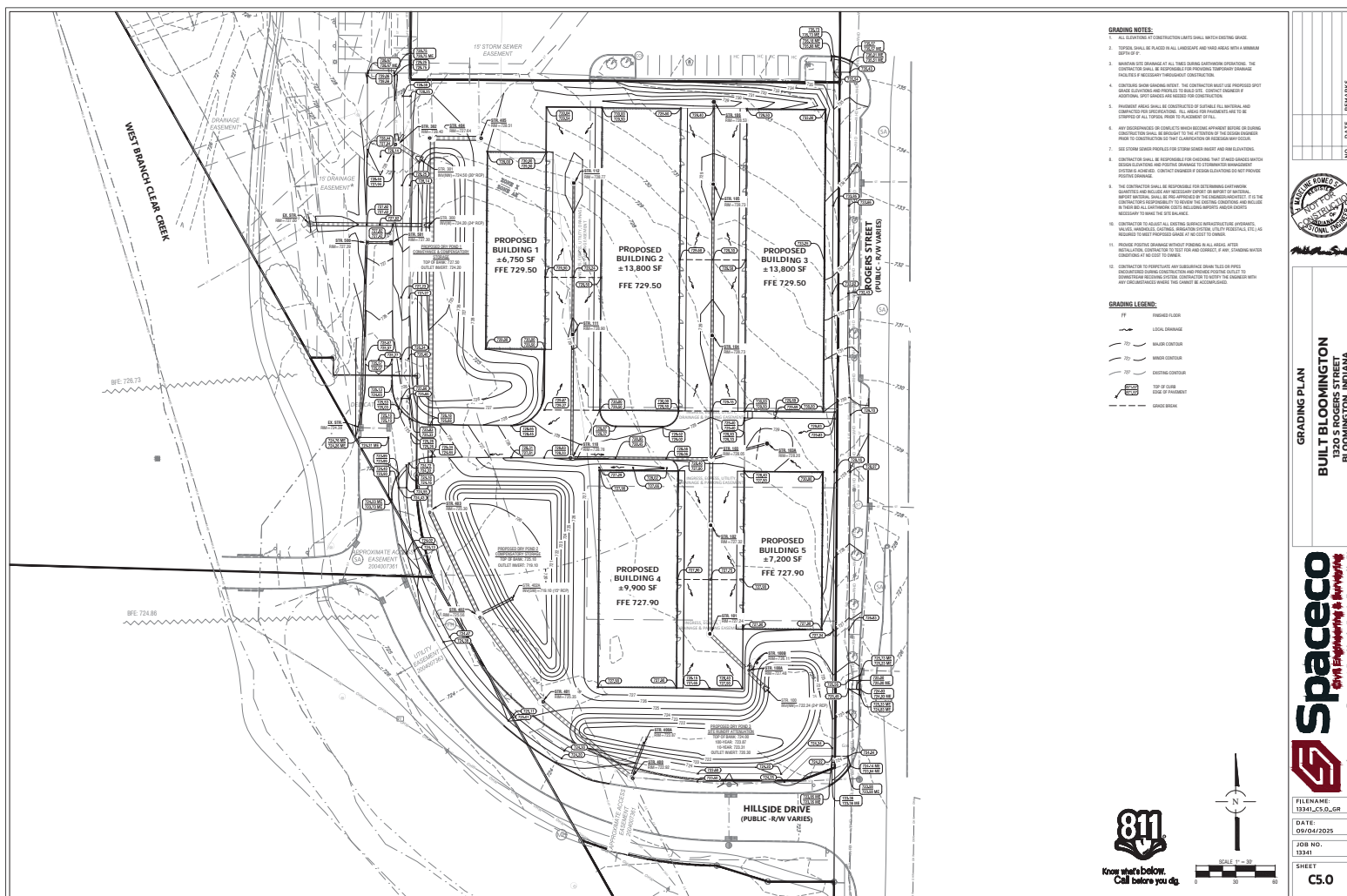


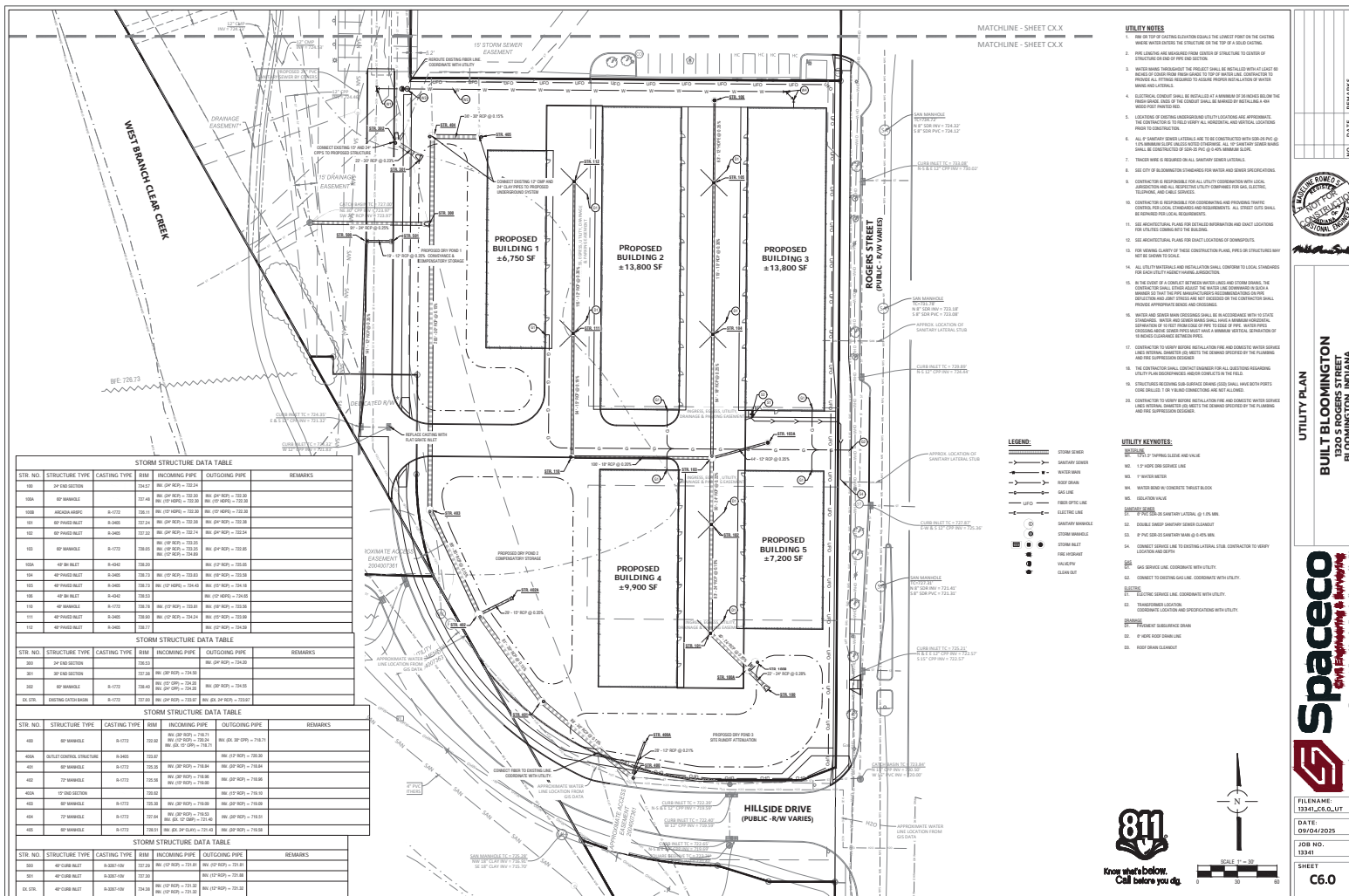
NO.	DATE	REMARKS

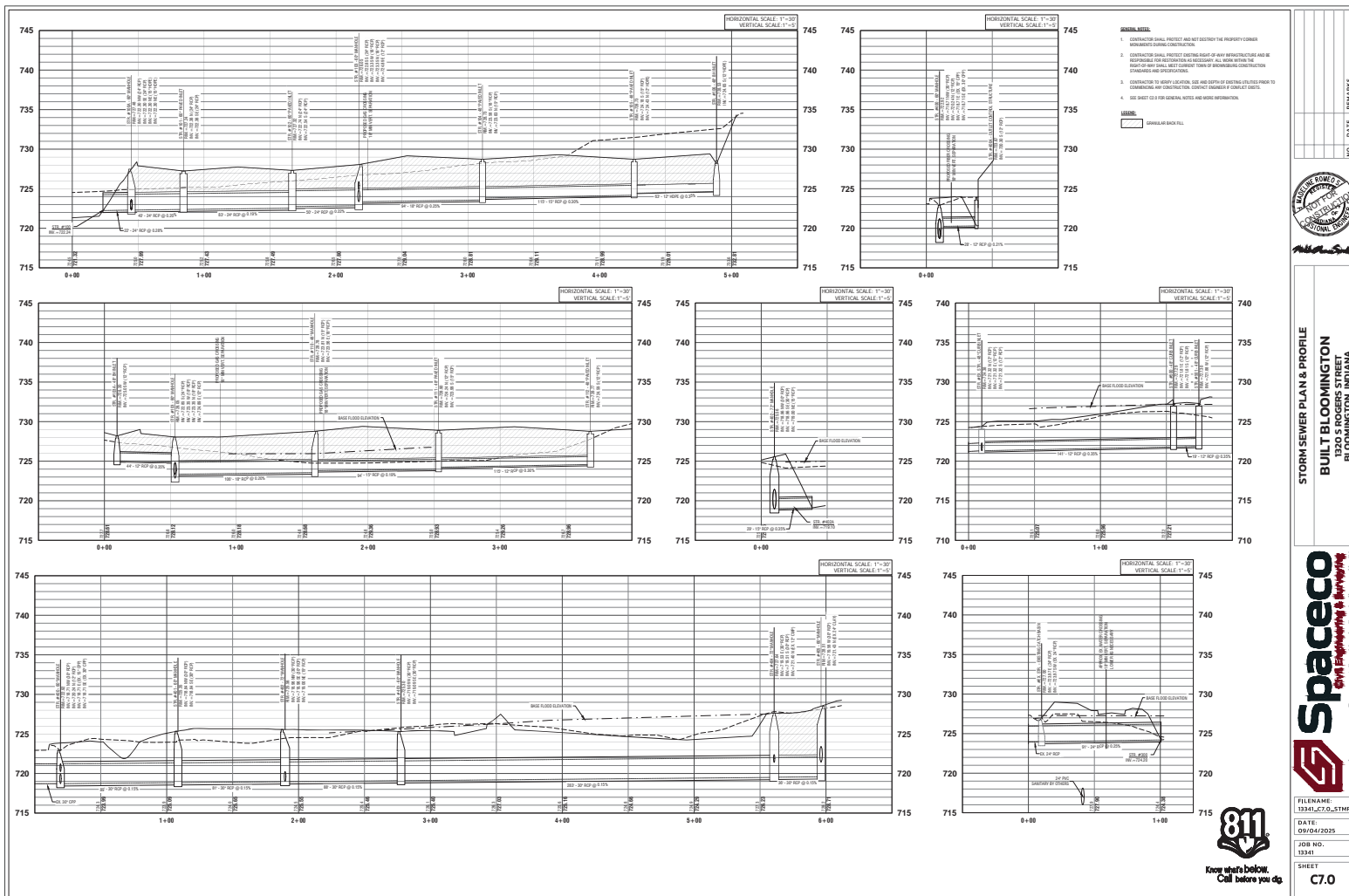
SITE PLAN - NORTH
BUILT BLOOMINGTON
BLOOMINGTON, INDIANA

Spaceco
Civil Engineering & Surveying, Inc.
Bloomington, IN 47404-1000
Phone: 317.344.1000
Fax: 317.344.1001
www.spacecoinc.com

FILENAME: 13341_C4.0_05P
DATE: 09/24/2025
JOB NO: 13341
SHEET C4.1





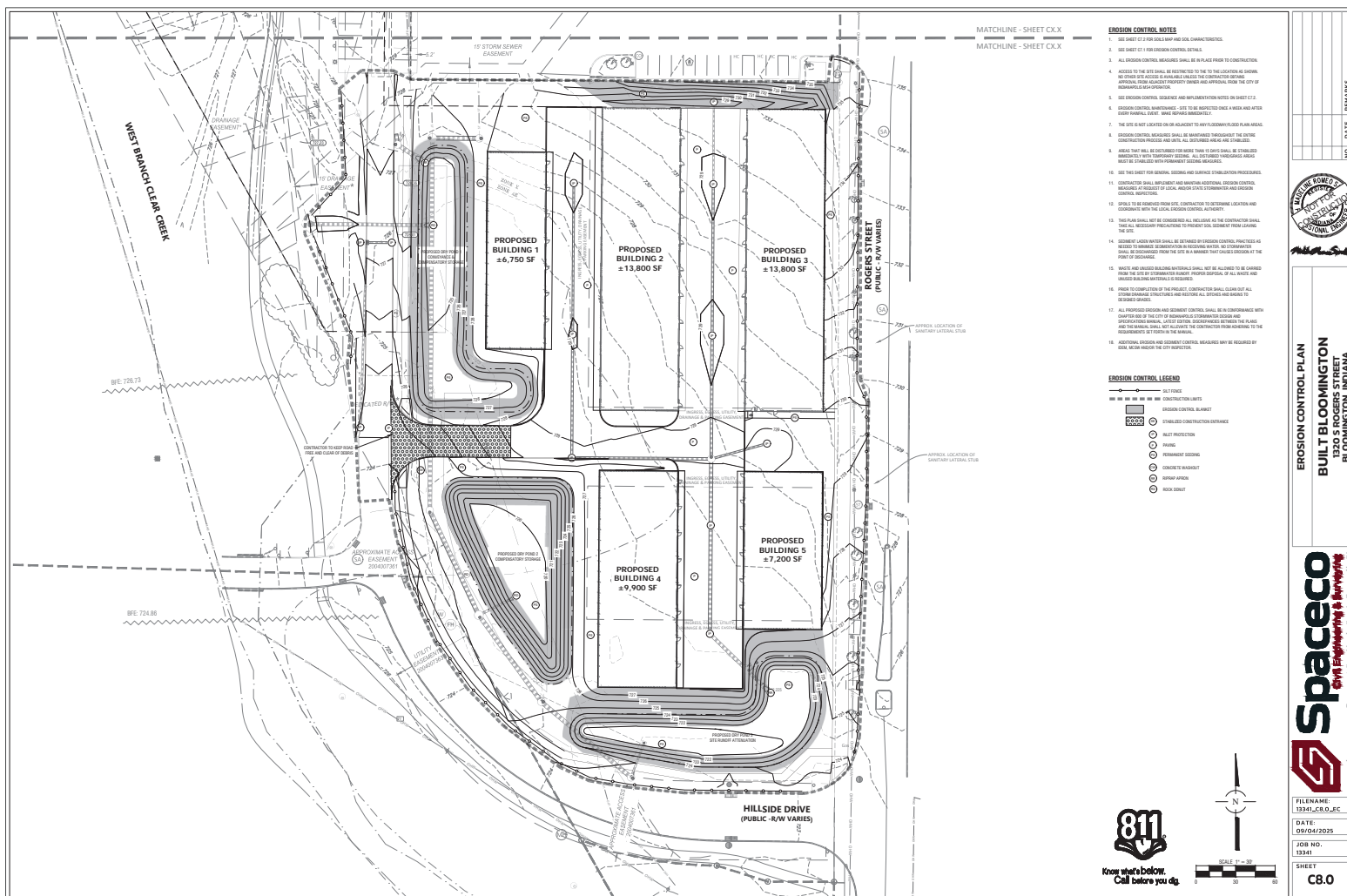


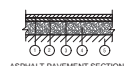
STORM SEWER PLAN & PROFILE
BUILT BLOOMINGTON
 BLOOMINGTON, INDIANA



FILENAME: 13341-CT-0-STMP0
 DATE: 09/24/2025
 JOB NO: 13341
 SHEET: 7.0



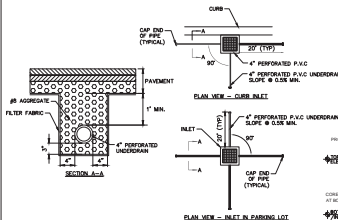




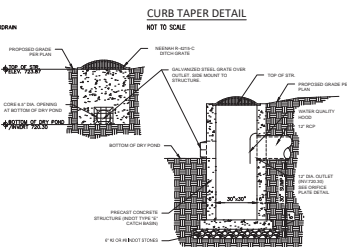
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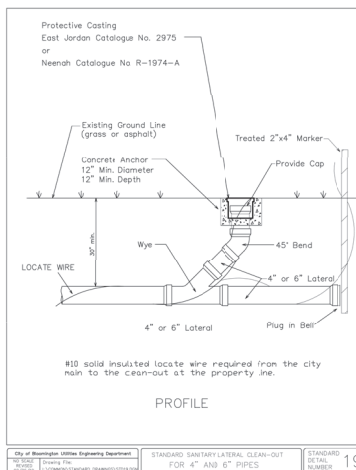
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NOT TO SCALE



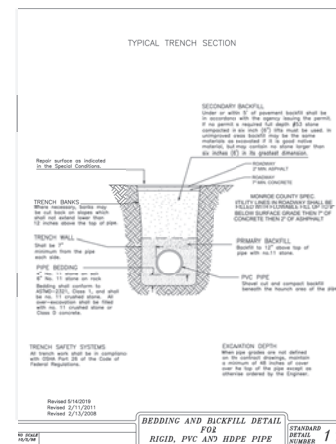
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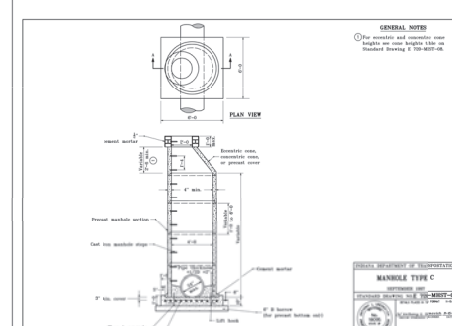
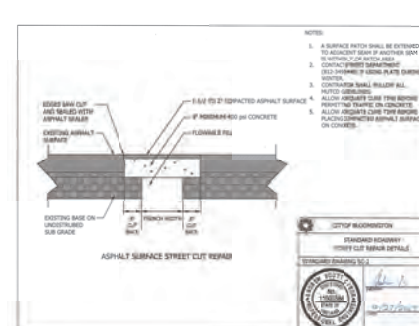
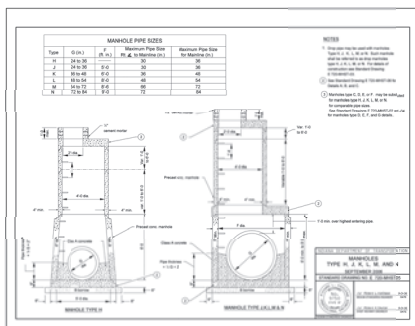
DRY POND OUTLET STRUCTURE DETAIL
(REV. 06/18)
NOT TO SCALE



STANDARD SANITARY LATERAL CLEAN-OUT
FOR 4\"/>



STANDARD
DETAIL
NUMBER 11



CONSTRUCTION DETAILS - 1
BUILT BLOOMINGTON
BLOOMINGTON, INDIANA

REMARKS

NO. DATE

Spaceco
Civil Engineering & Surveying

FILENAME:
13341-CO-OLD.DET

DATE:
09/24/2025

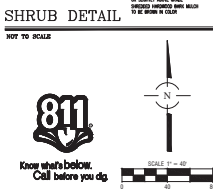
JOB NO.
13341

SHEET
C9.0

PROJECT: BUILT BLOOMINGTON

LOCATION: BLOOMINGTON, INDIANA

[illegible]



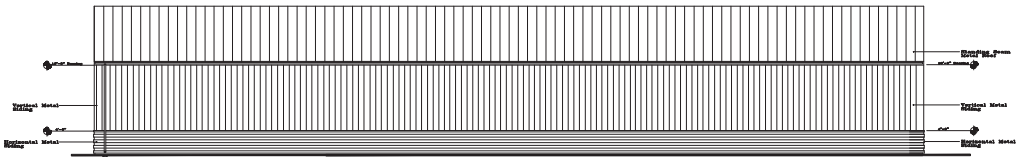
CV



PROPOSED NEW FACILITY FOR :
BUILT-BLOOMINGTON
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

date 02/2020
project
sheet

A1



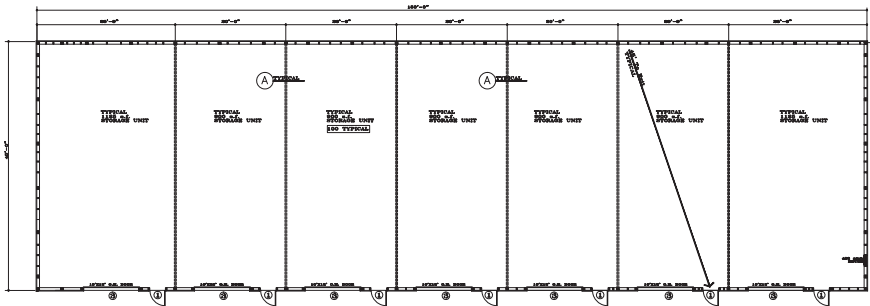
WEST ELEVATION BLDG. 4

1/8"=1'-0"



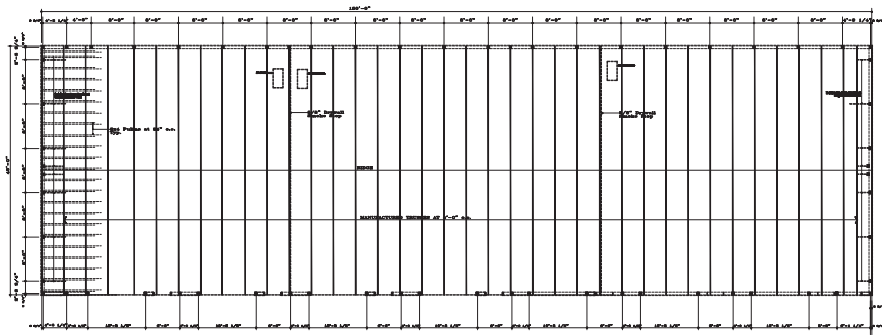
EAST ELEVATION BLDG. 1

1/8"=1'-0"

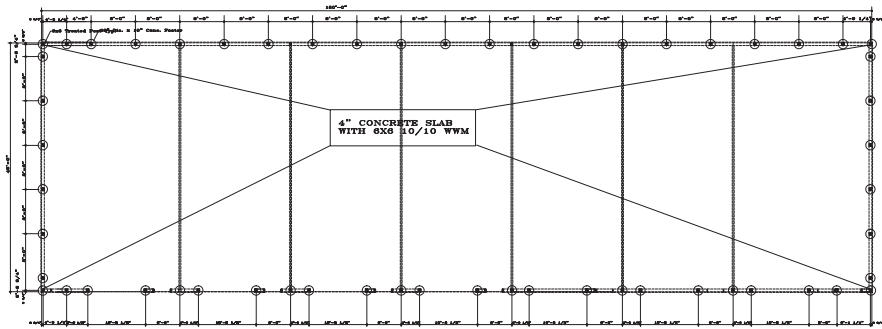


BUILDING 1

1/8"=1'-0"



ROOF FRAMING PLAN BLDG 1



FOUNDATION PLAN BLDG. 1



PROPOSED NEW FACILITY FOR :
BUILT-BLOOMINGTON
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

date 02/20/20
project
sheet

A2



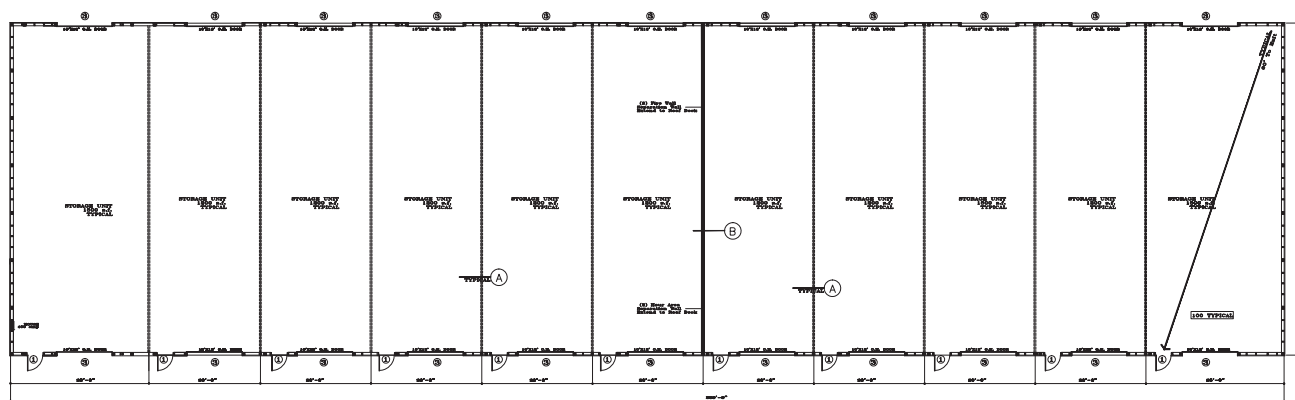
WEST ELEVATION BLDG. 2

1/8"=1'-0"



EAST ELEVATION BLDG. 2

1/8"=1'-0"



BUILDING 2

1/8"=1'-0"



Seal of the State of Indiana



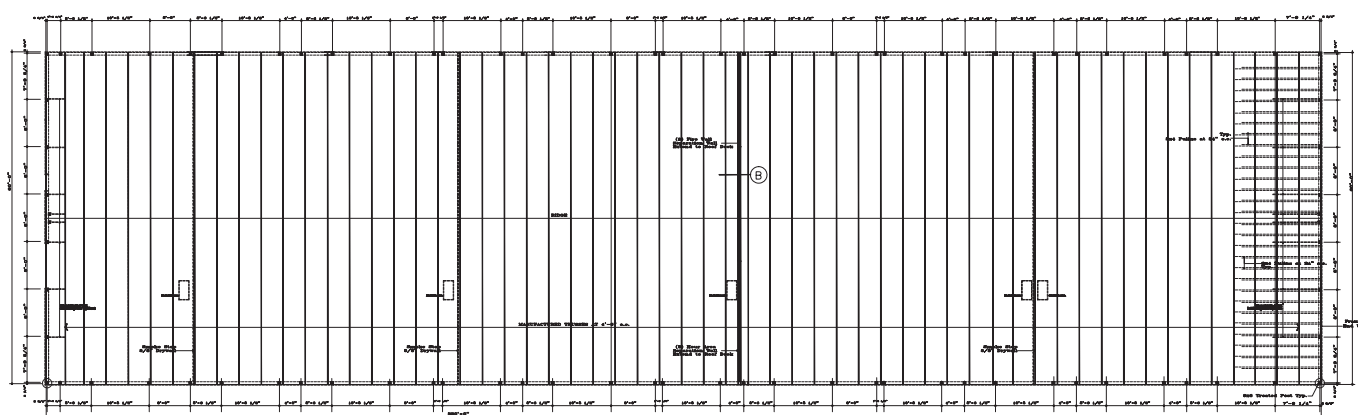
PROPOSED NEW FACILITY FOR :
BUILT-BLOOMINGTON
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

DATE: 02/20/20

PROJECT:

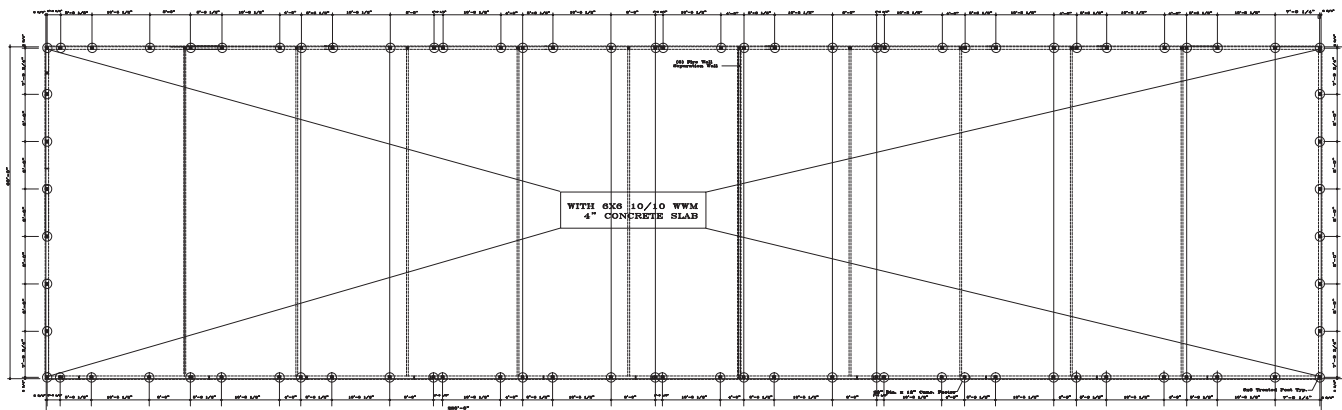
SHEET:

A3



ROOF FRAMING PLAN BLDG. 2

1/8"=1'-0"



FOUNDATION PLAN BLDG. 2

1/8"=1'-0"



Christopher J. Smith
Professional Engineer
No. 12543 - State of Indiana



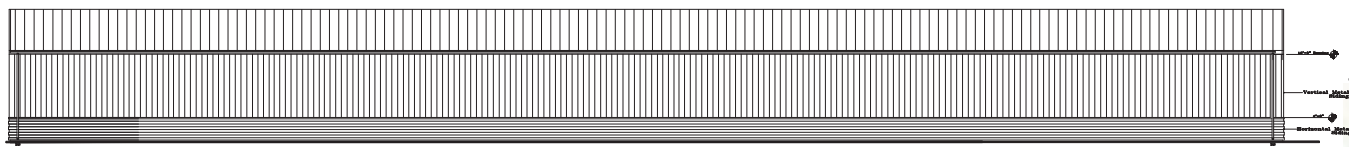
PROPOSED NEW FACILITY FOR :
BUILT-BLOOMINGTON
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

date 02/20/20

project

sheet

A4



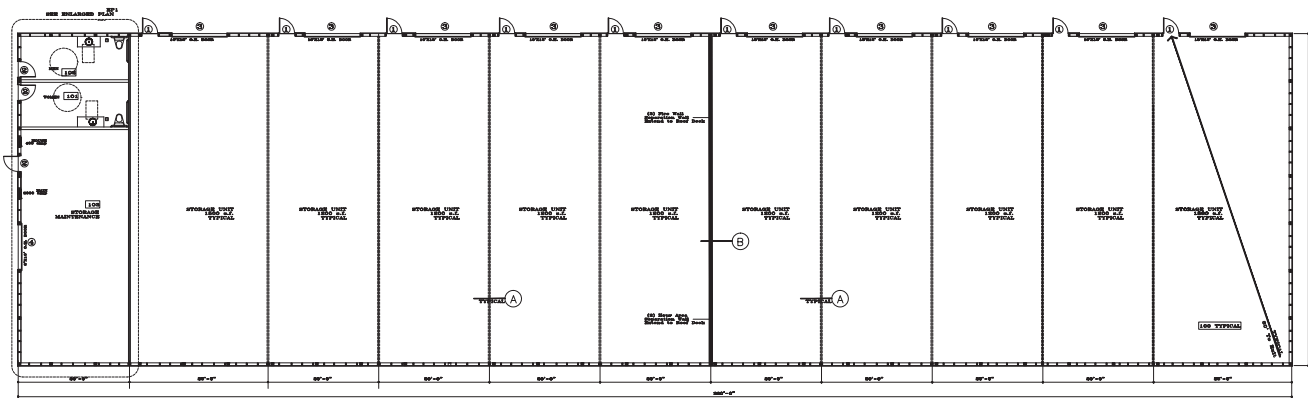
WEST ELEVATION BLDG. 3

1/8"=1'-0"



EAST ELEVATION BLDG. 3

1/8"=1'-0"



BUILDING 3

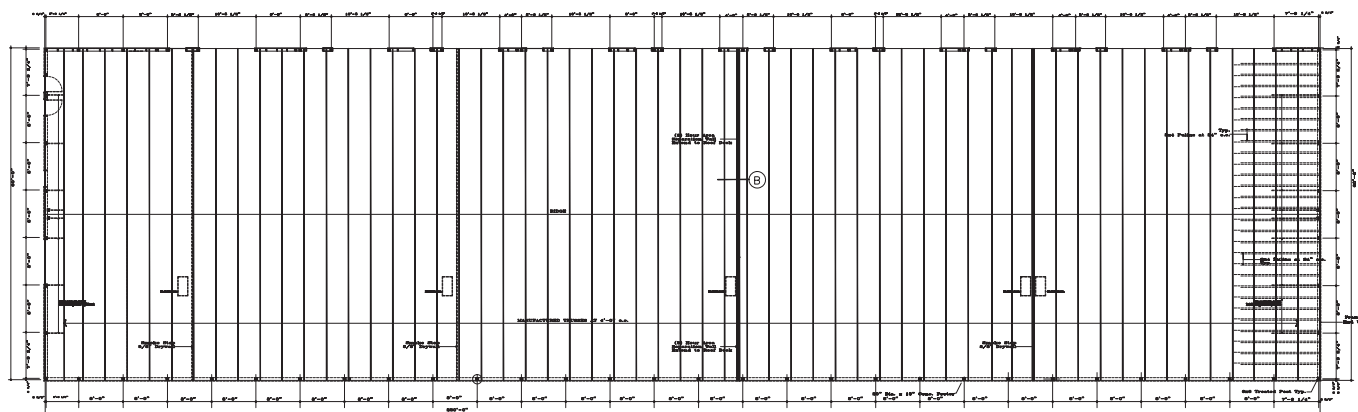
1/8"=1'-0"



PROPOSED NEW FACILITY FOR :
BUILT-BLOOMINGTON
 1320 S. ROGERS STREET
 BLOOMINGTON, INDIANA

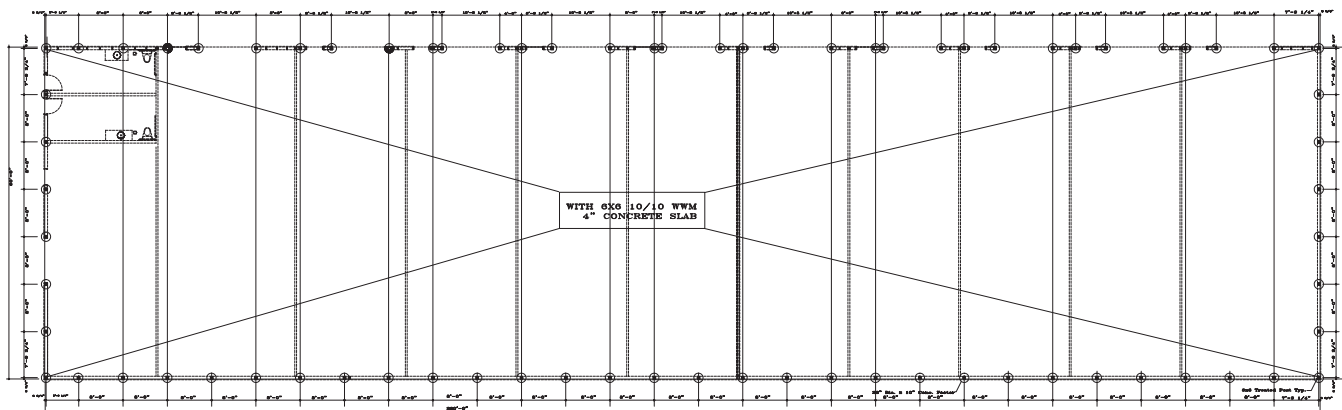
date 02/20/20
 project
 sheet

A5



ROOF FRAMING PLAN BLDG. 3

1/8"=1'-0"



FOUNDATION PLAN BLDG. 3

1/8"=1'-0"



State of Indiana
Professional Engineer
No. 100000000



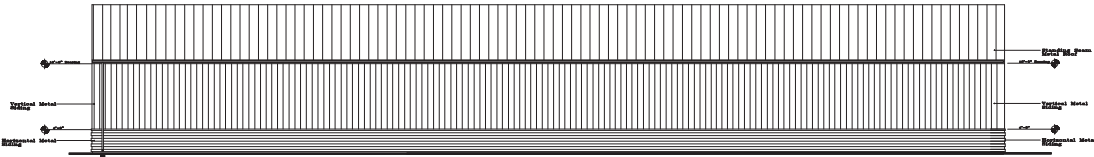
PROPOSED NEW FACILITY FOR :
BUILT-BLOOMINGTON
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

date 02/20/20

project

sheet

A6



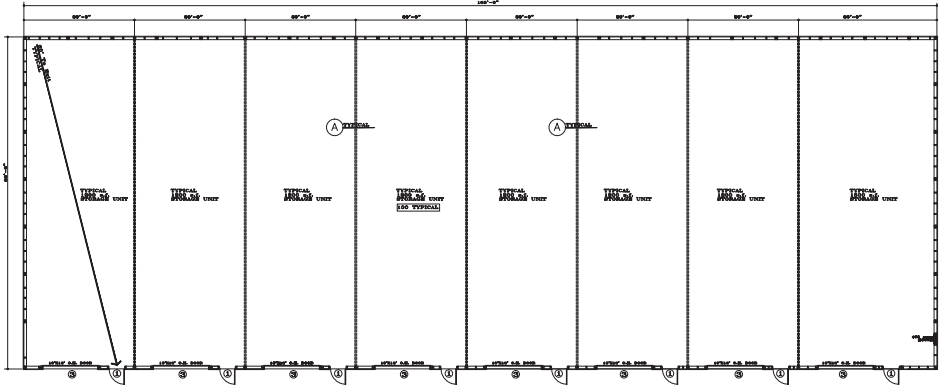
WEST ELEVATION BLDG. 4

1/8"=1'-0"



EAST ELEVATION BLDG. 4

1/8"=1'-0"



BUILDING 4

1/8"=1'-0"



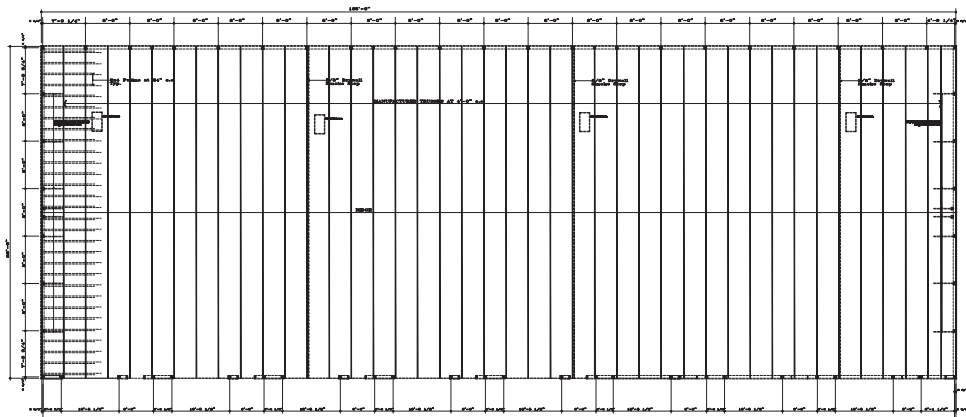
City of Bloomington, Indiana
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA 47403



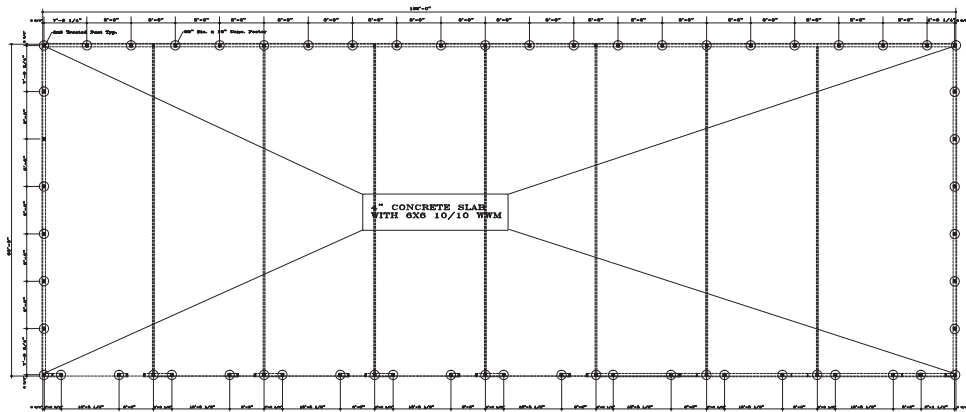
PROPOSED NEW FACILITY FOR :
BUILT-BLOOMINGTON
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

date 02/20/20
project
sheet

A7



ROOF FRAMING PLAN BLDG 4
1/8"=1'-0"



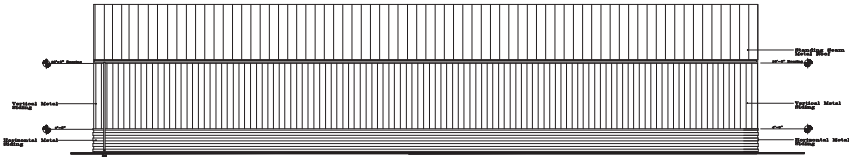
FOUNDATION PLAN BLDG. 4
1/8"=1'-0"



PROPOSED NEW FACILITY FOR :
BUILT-BLOOMINGTON
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

date: 02/20/2020
project:
sheet:

A8



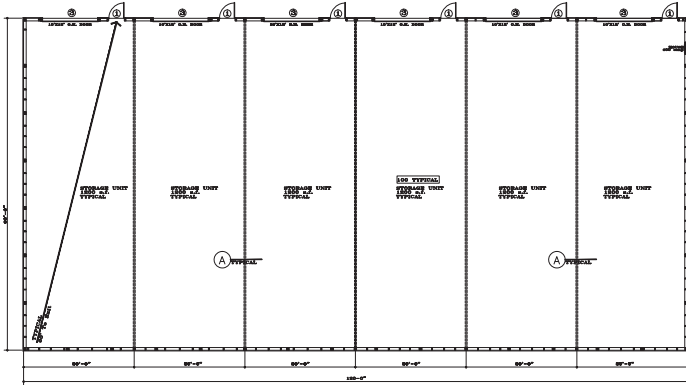
WEST ELEVATION BLDG. 5

1/8"=1'-0"



EAST ELEVATION BLDG. 5

1/8"=1'-0"



BUILDING 5

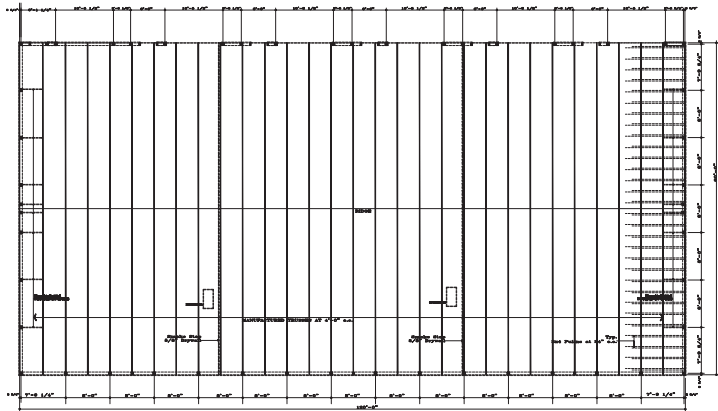
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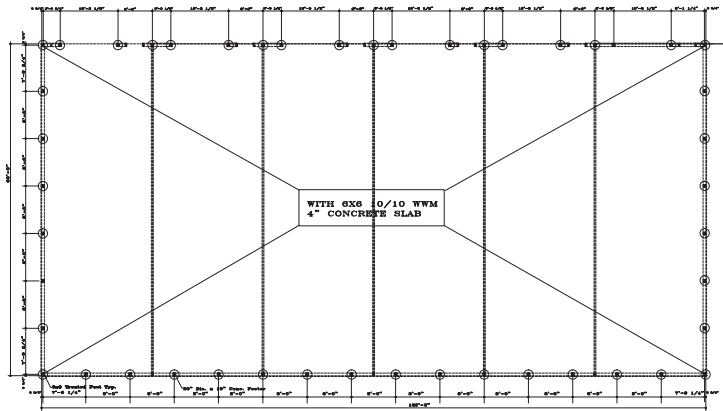
PROPOSED NEW FACILITY FOR :
BUILT-BLOOMINGTON
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

date 02/20/20
project
sheet

A9



ROOF FRAMING PLAN BLDG 5
1/8"=1'-0"



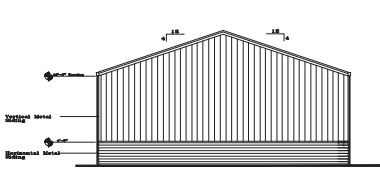
FOUNDATION PLAN BLDG. 5
1/8"=1'-0"



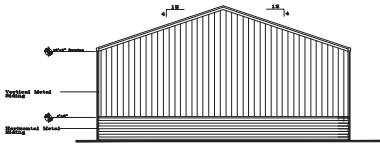
PROPOSED NEW FACILITY FOR :
BUILT-BLOOMINGTON
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

date 02/20/10
project
sheet

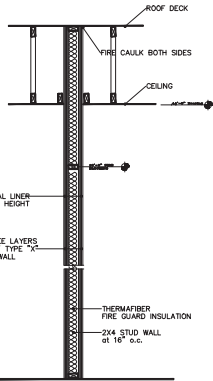
A10



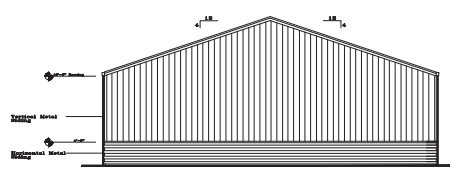
END WALL ELEV. BLDG. 1
1/8"=1'-0"



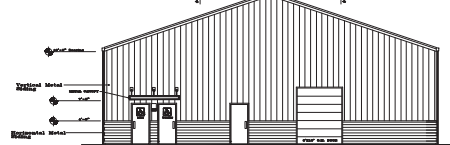
NORTH ELEV. BLDG. 1
1/8"=1'-0"



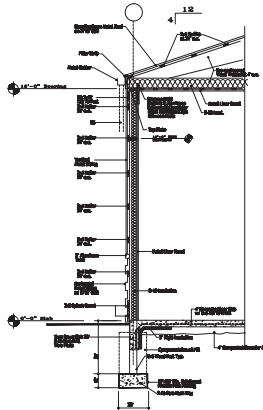
(3) HOUR
TYPICAL AREA SEPERATION WALL (B)
1/8"=1'-0"



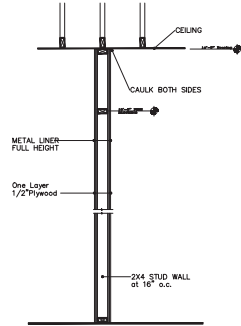
END ELEV. BLDG. 2,3,4&5
1/8"=1'-0"



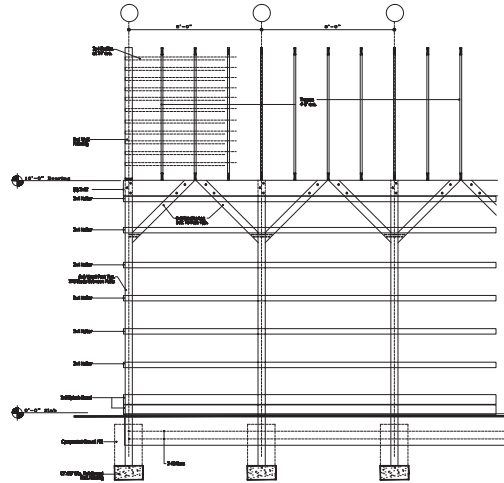
SOUTH ELEV. BLDG. 3
1/8"=1'-0"



Typal Wall Section
1/8"=1'-0"



TYPICAL UNIT SEPERATION WALL (A)
1/8"=1'-0"



Typal Partial Wall Framing
1/8"=1'-0"

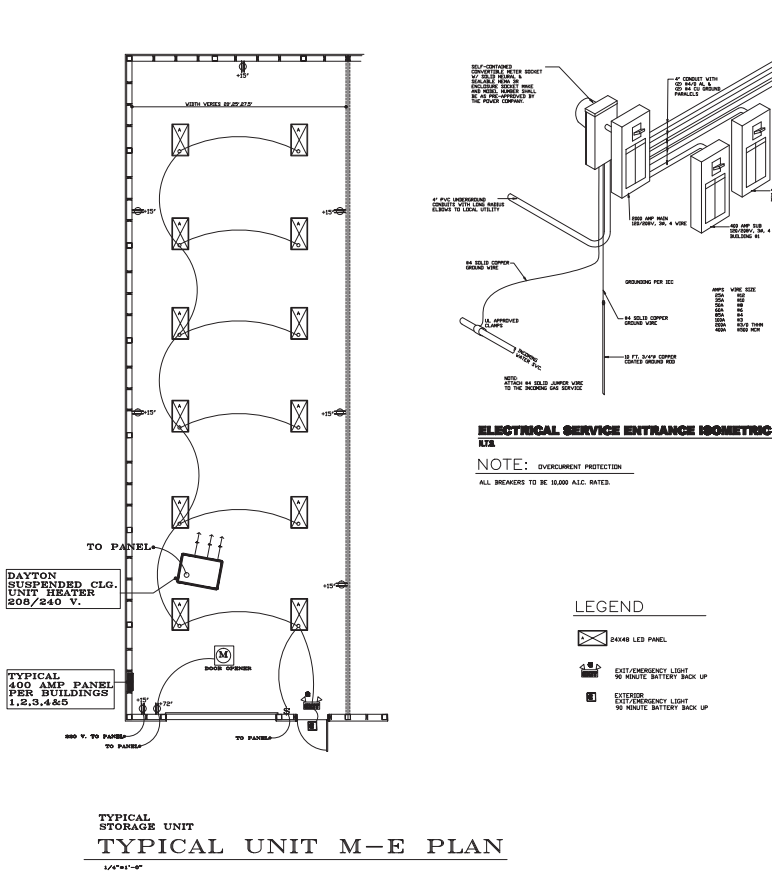


PROPOSED NEW FACILITY FOR :
BUILT-BLOOMINGTON
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

date: 02/2020
project:
sheet:

A12

[illegible]



- ELECTRICAL SPECIFICATIONS**
1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH ALL LOCAL, COUNTY AND STATE CODES.
 2. APPLICABLE LAWS, RULES AND REGULATIONS GOVERNING THE INSTALLATION OF THE ELECTRICAL SYSTEM, THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY ALL PERMITS, LICENSES AND INSPECTION FEES AS REQUIRED FOR THE INSTALLATION OF ALL ELECTRICAL WORK.
 3. EC SHALL COORDINATE WITH MC.
 4. SPACES SHALL BE PROVIDED IN NEW PANELS FOR FUTURE BREAKERS.
 5. AN AVAILABLE FAULT CURRENT COORDINATION STUDY SHALL BE MADE. ALL EQUIPMENT SHALL BE SELECTED ACCORDING TO THIS AVAILABLE SHORT CIRCUIT CURRENT.
 6. ALL WIRE SMALLER THAN #8 SHALL BE THIN, LARGER THAN #10 SHALL BE THIN.
 7. ALL WIRE SHALL BE COPPER.
 8. ALL EXTERIOR CONDUIT SHALL BE RIGID OR PVC.
 9. A FLEXIBLE CONNECTION SHALL BE MADE TO ALL MOTORS.
 10. EC SHALL PROVIDE ALL NECESSARY MATERIALS FOR A COMPLETE AND FUNCTIONING JOB.
 11. ALL EQUIPMENT SHALL BE UL APPROVED.
 12. ALL NEW BREAKERS AND BREAKER PANELS SHALL BE BOLT ON TYPE.
 13. ALL SWITCHES SHALL BE 15 AMP HEAVY-DUTY TYPE.
 14. MAIN SWITCHGEAR SHALL BE SERVICE ENTRANCE APPROVED.
 15. EXHAUST FANS SHALL BE CONTROLLED BY LIGHT SWITCHES.
 16. AFTER ALL BURNED OUT LAMPS REPLACED AND IN WORKING ORDER, AN AMMETER READING SHALL BE MADE ON ALL LIGHTING CIRCUITS. IF AMMETER READINGS ARE ABOVE 18 AMPS THEN THE CIRCUIT SHALL BE SPLIT UP TO CORRECT THE SITUATION.
 17. ALL RECEPTACLES IN SERVICE AREA SHALL BE 20 AMP.
 18. ONLY SINGLE HANDLE SHALL BE PERMITTED FOR MULTI-POLE APPLICATIONS.
 19. ALL PANEL FEEDERS SHALL BE RIGID CONDUIT.
 20. PROVIDE TYPED PANEL SCHEDULE DIRECTORIES ENCASED IN PLASTIC AND PERMANENTLY ATTACHED TO PANEL.
 21. ALL WIRING SHALL BE IN ACCORDANCE WITH 2009 NEC.
 22. EC TO WIRE LOW VOLTAGE CONTROL AND OVERHEAD DOOR.
 23. FLOOR BOXES SHALL BE CAST IRON FLUSH POWER AND TELEPHONE-WALDENBOX 885 LOR WITH COVER PLATE.
 24. INDIVIDUALLY FUSE ALL 208V LIGHTS INSIDE AND OUT.
 25. ALL BREAKERS SERVING LIGHT CIRCUITS SHALL BE SWITCH TYPE.



PROPOSED NEW FACILITY FOR
BUILT-BLOOMINGTON
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

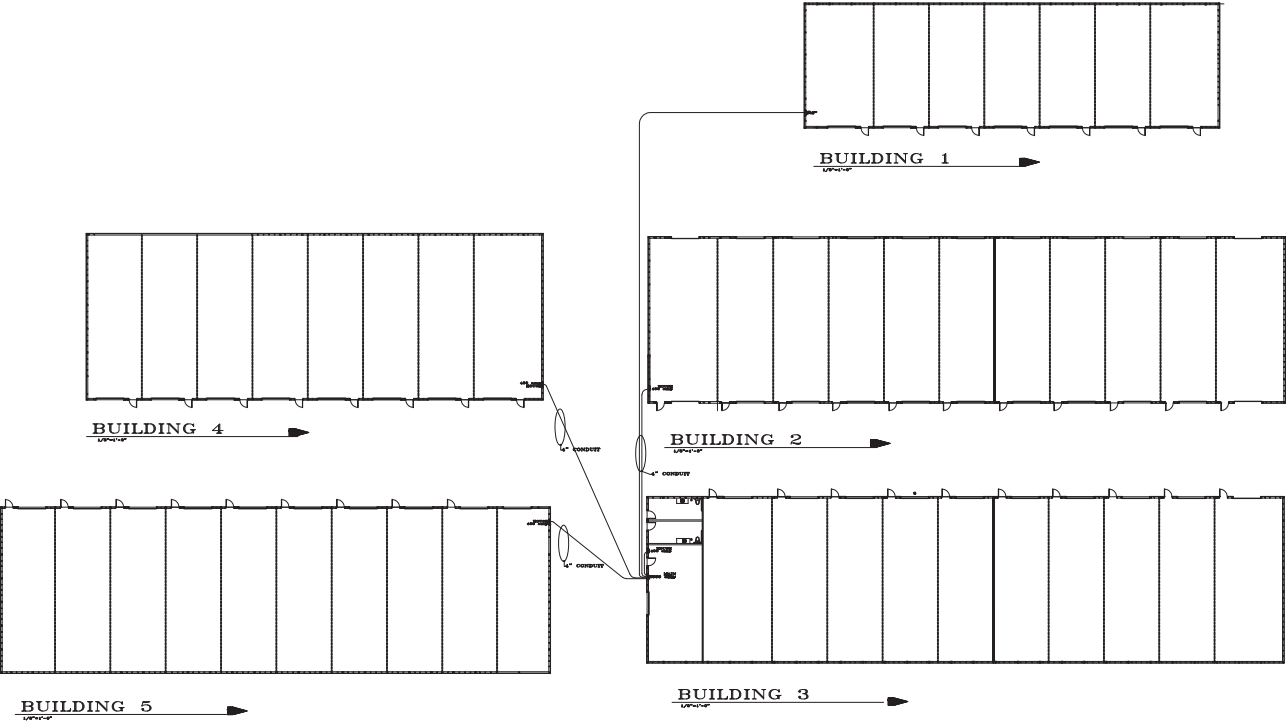
revision

date 4/20/20

project

sheet

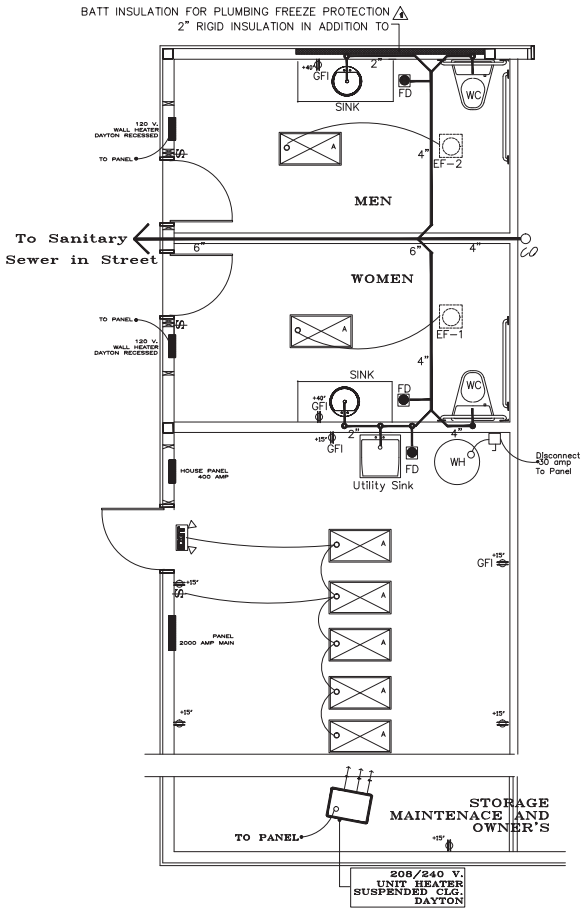
EM-1



PROPOSED NEW FACILITY FOR :
BUILT-BLOOMINGTON
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

date: 02/20/20
project:
sheet:

E-1



PLUMBING

PIPING WITH MECHANICAL JOINTS OF THE SIZE STATED ON ARCHITECTURAL. PROVIDE ALL NECESSARY FITTINGS, HARNESSES, JOINTS, ETC., AS REQUIRED FOR A COMPLETE GAS WATER SYSTEM. GAS OR STEAM SHALL BE OF TYPE A COPPER. ALL PIPING LARGER THAN 2" SHALL BE OF DUCTILE IRON PIPING WITH MECHANICAL JOINTS.

DOMESTIC WATER LINES SHALL BE OF TYPE L COPPER PIPING WITH ALL NECESSARY COPPER FITTINGS AND BALL VALVES. GAS PIPING FROM GAS COMPANY SHALL BE OF TYPE B BLACK STEEL PIPE. ALL GAS PIPING FROM GAS COMPANY SHALL BE OF TYPE B BLACK STEEL PIPE. ALL GAS PIPING FROM GAS COMPANY SHALL BE OF TYPE B BLACK STEEL PIPE. ALL GAS PIPING FROM GAS COMPANY SHALL BE OF TYPE B BLACK STEEL PIPE.

SEWER SERVICE SHALL BE PVC SCHEDULE 40S-30 SEWER PIPING. ALLOWING CONSIDERATION TO MINIMUM 1/4" PER FOOT TO BE PROVIDED BY CITY. MISC. PIPING FOR A COMPLETE GAS WATER SYSTEM SHALL BE OF TYPE B BLACK STEEL PIPE. ALL GAS PIPING FROM GAS COMPANY SHALL BE OF TYPE B BLACK STEEL PIPE.

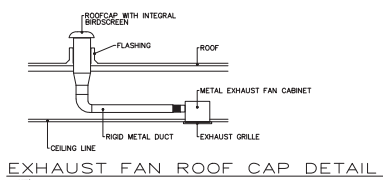
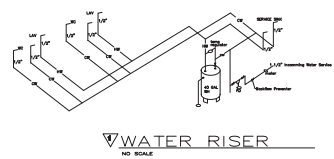
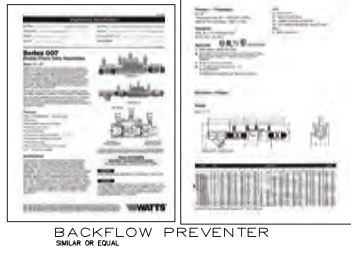
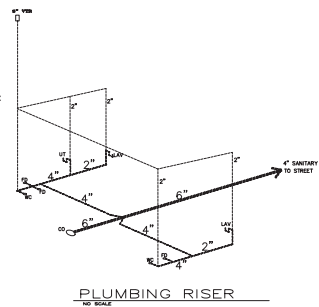
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WATER HEATER

WATER HEATER PIPING TO BE INSULATED. TEMPERATURE CONTROL PROVIDED MAX. 120 deg. AUTOMATIC TIME SWITCH FOR HEAT TRACE. HEAT TRAP TO BE INSTALLED AS PER CODE. LAVATORY FAUCETS WATER TEMP. 110 deg. MAX.



PLUMBING SCHEDULE				
MARK	FEATURE	MAN./MOD. NO.	FITTINGS	MOD. NO.
WC1	WATER CLOSET	AM. ST. 2108-A08		
LAV	WATER CLOSET	AM. ST. 2001-013		
WH1	WATER HEATER	AM. ST. 2001-013		
UT1	UTILITY SINK	TEKLA AND USABO CURVES		

EXHAUST FANS									
MARK	BRAND	MODEL	SIZE	HP	CFM	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
EF-1	AMCO	2000	18"	1/2	1000	18"	18"	18"	18"
EF-2	AMCO	2000	18"	1/2	1000	18"	18"	18"	18"

ENLARGED PLUMBING & ELEC PLAN
1/8"=1'-0"

PROPOSED NEW FACILITY FOR :

BUILT-BLOOMINGTON

1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

DATE: 4/20/05

PROJECT:

CLIENT:

ELECTRICAL SPECIFICATIONS

1. MATERIALS THROUGH SHALL BE NEW. MATERIALS SHALL BE A MANUFACTURER'S STANDARD AND ESTABLISHED PRODUCT LINES, AND SHALL BE LISTED AND CARRIED FOR THE APPLICATION BY THE UNDERWRITER LABORATORIES (UL), OR SHALL BE CERTIFIED BY OTHER APPROVED LABORATORY OR BE THE BUILDING OFFICIAL HAVING JURISDICTION.

2. THE PLANS ACCOMPANYING THESE SPECIFICATIONS ARE GENERALLY DIAGRAMMATIC AND DO NOT SHOW ALL DETAILS REQUIRED FOR THE COMPLETE WORK. ESTIMATOR SHALL BE RESPONSIBLE FOR THE WORK AS NECESSARY TO PROVIDE THE COMPLETE INSTALLATION. SYSTEMS AS MATERIAL AVAILABLE, THE WORK IS TO AVOID INTERFERENCE WITH OTHER BUILDING COMPONENTS OR SYSTEMS AS ACTUALLY INSTALLED.

3. COMPLY WITH APPLICABLE OR NECESSARY JOB SAFETY PROVISIONS.

4. PROVIDE FOR SYSTEM RACEWAYS, OUTLET BOXES, PULL/VENT OR "CONDUIT" OUTLET BOX OPERABLE BOX, EXHAUSTION, DEDICATED RECEPTABLES, RACEMANHOODS, ETC. AS SPECIFIED AND INDICATED. TELEPHONE CABLE SHALL BE FURNISHED AND INSTALLED BY OTHERS.

5. ELECTRICAL SYSTEMS, EQUIPMENT, AND SUPPORTING STRUCTURES SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED. BONDING JUMPERS SHALL BE PROVIDED WHERE NECESSARY. METAL ELECTRICAL RACEWAYS AND FITTINGS, JOINTS AND CONNECTIONS AT EQUIPMENT SHALL BE MECHANICALLY AND ELECTRICALLY SECURED TO PROVIDE ON APPROVED EQUIPMENT OR DISCHARGES DRAINING MEANS. EVEN WHEN NO OTHER SEPARATE GROUNDING MEANS ARE ALSO PROVIDED OTHERS PRESENTLY IN EXISTING.

6. WHERE GREEN GROUNDING CONDUCTORS ARE NOT INDICATED SPECIFICALLY FOR EACH BRANCH CIRCUIT BY THE DRAWINGS, PROVIDE FOR EACH RACEMAN A GREEN #12 GROUNDING CONDUCTOR IN ADDITION TO BROAD CIRCUIT CONDUCTORS INDICATED.

7. UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ARCHITECT FOR SPECIAL APPLICATIONS, WIRELESS DEVICES SHALL BE INSTALLED WITH TOP-OF-HIGH MOUNTING HEATER ABOVE FINISHED FLOORING BETWEEN 18 INCHES AND 48 INCHES, AS REQUIRED BY UNHANDICAPPED CODES. MOUNTING HEIGHTS FOR SPECIFIC DEVICES SHALL BE AS SPECIFIED BY THE PLANS.

8. ELECTRICAL CONDUCTORS SHALL BE COLOR CODED AS REQUIRED BY CODE. PHASE CONDUCTORS RED, BLUE, BLACK, NEUTRAL, WHITE, EQUIPMENT GROUNDING GREEN.

9. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY NON FUNCTIONING MATERIAL OR POTENTIALLY UNSAFE CONDITION WITHIN THIS PROJECT SYSTEM THAT IS OBSERVED DURING THE CONDUCT OF THE WORK.

10. WORK SHALL BE FURNISHED AND INSTALLED AS A MINIMUM IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS AND RECOMMENDATIONS OF THE LATEST LOCALLY ADOPTED EDITION OF CODES AND STANDARDS OF THE FOLLOWING:

(1) NATIONAL ELECTRICAL CODE (NEC)-NFPA 70.

(2) ENERGY CODE - ASHRAE/IESNA 90.1.

(3) LIFE SAFETY CODE-NFPA 101.

(4) OTHER NFPA STANDARDS: 90A AND 90A.

(5) IBC 101-10-10.

(6) ILL. STANDARDS AND LISTING REQUIREMENTS AND REBAR STANDARDS.

(7) FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, CODES, AND REGULATIONS OF BUILDING OFFICIALS HAVING JURISDICTION IN INDIANA AND THE CITY OF BLOOMINGTON.

11. THE WORK COVERED BY THIS SPECIFICATION SHALL INCLUDE PROVIDING SUPERVISION, LABOR, SUPPLIES, MATERIALS (TO INCLUDE EQUIPMENT), TOOLS, SERVICES, DOCUMENTATION, TEST AND DEMONSTRATIONS, CERTIFICATES, AND DOLLAR COSTS REQUIRED TO CONSTRUCT THE COMPLETE SYSTEM AS SPECIFIED HEREIN AND AS SHOWN BY THE PLANS AND OTHER RELEVANT DOCUMENTS.

12. SERVICE EQUIPMENT SHALL BE PROVIDED RATED FOR BUILDING LOADS, INCLUDING INTERRUPTING BUILDING SERVICE EQUIPMENT SHALL BE SIZED USING THE TYPE SERVICE ENTRANCE EQUIPMENT AS INDICATED BY THE PLANS.

13. SWITCHES SHALL AS A MINIMUM BE "HEAVY-DUTY" RATED, LAMP MAKE AND BREAK, SPECIFICATION GRADE, SINGLE THROW DEVICES.

14. DISTRIBUTION EQUIPMENT USING CIRCUIT BREAKER THE PROTECTIVE DEVICES SHALL USE SOLID-ON OR "SQUARE D" I-LINE DEVICES.

15. DISTRIBUTION EQUIPMENT SHALL BE AS INDICATED AND BE MANUFACTURED BY GENERAL ELECTRIC, OUTLINE/HAMMER, SQUARE-D, SENSORS.

16. PANEL BOARD MARKS SHALL BE COPPER WITH BRASS COILS CONNECTIONS ARRANGED IN A VERTICALLY DISTRIBUTED CONSECUTIVE PHASE SEQUENCES SUCH THAT ONE OR MORE PHASE BREAKERS CAN BE MOUNTED IN ANY POSITION. A SOLID NEUTRAL BUS SHALL BE PROVIDED WITH FEEDER BUS AND WITH A SEPARATE SET-SCREW TERMINAL FOR EACH BRANCH CIRCUIT FEED.

17. STARTERS AND DISCONNECT SWITCHES SHALL HAVE QUICK-MAKE AND QUICK-BREAK MECHANISMS, AND BE FULLY ENCLOSED.

18. FUTURE SUPPORTS AND HARDWARE SHALL BE SUITABLE METAL, UNLESS OTHERWISE REQUIRED BY CODE OR INDICATED.

19. CONDUCTORS NO. 14 AWG AND NO. 10 AWG SIZE SHALL BE SOLID.

20. CONDUCTORS NO. 8 AWG SIZE AND LARGER SHALL BE STRANDED.

21. RIGID STEEL AND MC STEEL CONDUIT SHALL BE HOT DIP GALVANIZED. STEEL EMT SHALL BE HOT DIP GALVANIZED OUTSIDE, AND ENAMEL OR GALVANIZED FINISHED INSIDE.

22. EMT COUPLINGS AND CONNECTORS SHALL BE METAL AND SET-SCREW TYPE.

23. FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH UL LISTING RESTRICTIONS AND LOCAL CODES AND ORDINANCES.

24. FITTINGS SHALL BE LOCATED IN A MANNER COORDINATED WITH ANY SUPERIMPOSED ACoustic CEILING PLANS, AND IN ACCORDANCE WITH PATTERNS AS SHOWN ON THE ARCHITECTURAL DRAWINGS.

25. UNLESS OTHERWISE REQUIRED BY CODE OR FUNCTION OR INDICATED BY THE PLANS, CONDUCTORS FOR POWER AND LIGHTING BRANCH CIRCUITS SHALL BE #12 AWG. MINIMUM.

26. CONDUCTORS SHALL BE CONNECTED BY ALL APPROVED CONNECTORS. BRANCH CIRCUIT WIRING TO SEE-IT SHALL BE CONNECTED BY CONNECTORS WITH LIVE SPRING TENSION.

27. WIRING SHALL BE INSTALLED IN METALLIC, RIGID TUBE RACEWAYS, UNLESS OTHERWISE INDICATED, SIZED FOR "NOT."

28. RACEWAYS AND CABLE SHALL BE RUN CONCEALED, EXCEPT THAT RACEWAYS DESIGNED ONLY FOR SURFACE MOUNTING AND RACEWAYS AND CABLE IN EQUIPMENT ROOMS SHALL BE RUN EXPOSED, UNLESS OTHERWISE INDICATED. CONCEALED CONDUIT RUN ABOVE THE CEILING LINE SHALL BE SUPPORTED INDEPENDENTLY OF CEILING CONSTRUCTION. WHERE CEILING OF THE LAY-IN-TYPE MAY BE USED, CONDUITS MUST BE INSTALLED HIGH ENOUGH TO PERMIT REMOVAL OF CEILING PANELS OR EQUIPMENT.

29. RACEWAY OR CABLE, ETC. THAT PENETRATES A FIRE BARRIER, SUCH AS FIRE OR BOMB RATED WALL, WALL, CEILING, OR OTHER ELEMENT, SHALL BE INSTALLED WITH MATERIALS AND METHODS APPROVED FOR THE APPLICATION BY LOCAL BUILDING OFFICIALS.

30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING EACH FIRE BARRIER FROM THE ARCHITECTURAL PLANS AND FOR SECURING APPROVAL OF MATERIALS AND METHODS TO BE USED FOR EACH TYPE PENETRATION.

31. UNLESS OTHERWISE INDICATED, RACEWAYS SHALL BE AS FOLLOWS:

A. CONCEALED INSIDE WHERE NOT IN WET OR DAMP LOCATIONS AND NOT EXPOSED TO MECHANICAL ABUSE, AND USED FOR CON/20A BRANCH CIRCUITS, TYPE MC CABLE, OVERHEAD ELECTRICAL, METALLIC TUBING (EMT).

B. THROUGH TWO-HOUR RATED FIRE BARRIERS OR BUILDING EXTERIOR, GALVANIZED RIGID STEEL (RIGID) CONDUIT MADE UP WATER TIGHT.

C. FINAL CONNECTION RACEWAYS IN DRY LOCATIONS SERVING LIGHTING FIXTURES, OR OTHER NON-MOTOR EQUIPMENT, UNLESS TO RESIST MECHANICAL ABUSE OR ADJUSTMENT OR ADJUSTMENT SHOCK OR VIBRATION INTO THE RACEWAY SYSTEM, BUT NOT REQUIRING FLEXIBILITY FOR OPERATION, AND WORK APPROVED FOR THE APPLICATION SHALL BE FLEXIBLE METAL TUBING (FLEX) WHERE APPROVED FOR THE APPLICATION.

32. BOXES SHALL NOT BE INSTALLED BACK-TO-BACK AND THRU-WALL TYPE BOXES SHALL NOT BE USED DUE TO TRANSMISSION OF SOUND OR HEAT AND SOUND OFFSET TO MAINTAIN FIRE RATING PER UL REQUIREMENTS.

33. SUSPENDED CEILING CONSTRUCTION SHALL NOT BE USED TO SUPPORT RACEWAYS, BOXES OR OTHER ITEMS, EXCEPT AS ALLOWED BY CODE, ACCEPTED BY THE ENGINEER, AND ACCEPTED BY THE ARCHITECT IN WRITING FOR THE SPECIFIC TYPE TO BE SUPPORTED.

34. COVER PLATES FOR FLOOR, DRY, OUTDOOR LOCATIONS SHALL BE STANDARD CONFIGURATION, ONE PIECE, STANDARD SIZE PLATES WITH MATCHING CORNERS, AND FINISH MATERIAL, STILES, AND FINISHES AS SELECTED BY ARCHITECT.

35. CIRCUIT SYSTEM SHALL BE INSTALLED CONCEALED ABOVE CEILING, ABOVE LOWEST POINT OF STRUCTURAL STEEL SYSTEM, LOWEST POINT FOR HORIZONTAL RUNS, NEUTRAL PARALLEL, OR PERPENDICULAR TO STRUCTURAL MEMBERS.

MECHANICAL NOTES

1. THE CONTRACTOR SHALL EXAMINE ALL OTHER SPECIFICATIONS, DRAWING AND ALL OTHER FEATURES OF BUILDING CONSTRUCTION WHICH MAY AFFECT HIS WORK AND BE GOVERNED BY THESE SPECIFICATIONS, INCLUDING THE GENERAL CONDITIONS AND PARTICULAR INSTRUCTIONS TO ALL BIDDERS AND SUPPLIERS.

2. ALL WORK SHALL BE EXECUTED AND INSPECTED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND/OR STATE CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS APPLICABLE TO THIS PARTICULAR CLASS OF WORK, AND EACH CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL SERVICE CHARGES, FEES, PERMITS, ROYALTIES, TAXES, AND OTHER SIMILAR COST IN CONNECTION THEREWITH.

3. PRIOR TO FABRICATION OF DUCTWORK, CONTRACTOR SHALL EXAMINE AND VERIFY ALL CONDITIONS ABOVE AND BELOW THE CEILING WHICH MAY INTERFERE WITH THE DUCT SYSTEM AND NOTIFY THE ARCHITECTS OF ANY CONFLICT ENCOUNTERED. CONTRACTOR SHALL PROVIDE ALL OFFSETS ETC. WHICH MAY BE REQUIRED.

4. ALL SHEET METAL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH "SMACNA" LOW PRESSURE DUCT CONSTRUCTION STANDARDS.

5. TURNING VANES SHALL BE INSTALLED IN ALL BENDS GREATER THAN 30 DEGREES.

6. ALL DUCTS SHALL BE SUPPORTED WITH 1" WIDE, 16 GAUGE GALVANIZED STEEL BARS.

7. ALL RECTANGULAR DUCT SHALL BE INSULATED WITH A MINIMUM OF 1" INTERNAL LINER, 2 LB. DENSITY, ALL ROUND DUCT AND DIFFUSER TOP SHALL HAVE A MINIMUM OF 2" FOIL SHAIRED BLANKET TYPE INSULATION WITH ALL JOINTS BUTTED AND TAPPED. INSULATION "R" VALUES SHALL COMPLY WITH GOVERNING ENERGY EFFICIENCY REQUIREMENTS.

8. ALL DUCT DIMENSIONS SHOWN ON PLANS ARE SHEET METAL DIMENSIONS. ALL ORNANCE HAS BEEN MADE FOR LINER.

14. MECHANICAL CONTR SHALL CONFER W/ ELECTRICAL CONTR & COORDINATE ALL POWER REQUIREMENTS POINTS OF CONNECTION ETC. COORDINATE W/ PLUMB. CONTRACTOR TO INSURE PROPER CONDENSATE DRAIN.

GENERAL PLUMBING NOTES

1. ALL PLUMBING WORK SHALL COMPLY WITH THE 2008 INTERNATIONAL PLUMBING CODE WITH APPLICABLE STATE AND LOCAL AMENDMENTS.

ALL WORK SHALL BE EXECUTED AND INSPECTED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND/OR STATE CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS APPLICABLE TO THIS PARTICULAR CLASS OF WORK. EACH CONTRACTOR SHALL INCLUDE IN HIS PRICE, ALL SERVICE CHARGES, FEES, PERMITS, ROYALTIES, TAXES, AND OTHER SIMILAR COSTS IN CONNECTION THEREWITH.

2. ALL PIPING SHALL BE CONCEALED IN WALLS AND BEHIND FIXED FURNISHINGS UNLESS OTHERWISE INDICATED.

3. EXPOSED TRIM PIPING TO FIXTURES INCLUDING OIL, HX, DRAIN, AND DRAIN TRAPS, SHALL BE PVC WITH PVC ESCUTOCHES AT WALL PENETRATION. ALL OTHER EXPOSED PIPING TO BE INSTALLED PER SPECIFICATIONS WITH ESCUTOCHES.

4. SLEEVE OR CORE-DRILL FLOOR SLABS, WALLS, ETC. AS REQUIRED FOR PIPING AND FIRE-STOP OPENING AROUND PIPE. VERIFY LOCATION OF STRUCTURAL BEAMS, JOISTS, ETC. BEFORE DRILLING.

5. ALL OPENINGS IN BRAMING AND/OR NOT INTERFERE AS A RESULT OF INSTALLATION ROUGH-IN SHALL BE PROTECTED WITH A TEST FLUSH THAT IS SECURELY LOCKED IN PLACE UNTIL FINAL FINISHED CONNECTIONS ARE INSTALLED.

6. PROVIDE CLEANOUTS AT THE END OF EACH HORIZONTAL RUN, AND AT THE BASE OF ALL VERTICAL WASTE AND DRAIN PIPES. CLEANOUTS SHALL BE OF THE SAME SIZE AS THE PIPE THEY SERVE.

7. ACCESS PANELS SHALL BE PROVIDED WHERE CONCEALED CONTROLS, DEVICES, VALVES, ETC. ARE CONCEALED WITHIN WALLS, WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THROUGH LAY-IN SUSPENDED CEILING. ACCESS PANELS ARE NOT REQUIRED.

8. ALL PIPING SHALL BE RUN PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION.

10. INSTALL ALL PIPING AS REQUIRED TO MEET ALL CONSTRUCTION CONDITIONS AND TO ALL FOR INSTALLATION OF OTHER WORK INCLUDING DUCTS AND ELECTRICAL CONDUIT.

11. PROVIDE AN ISOLATING, DIELECTRIC UNIFORM AT ALL CONNECTIONS BETWEEN FERROUS AND NONFERROUS PIPING.

12. PROVIDE ALL FITTINGS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE PLUMBING SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED.

13. FIELD VERIFY LOCATION OF EXISTING SERVICES TO BE REUSED OR CONNECTED TO AND REPORT TO ARCHITECT/ENGINEER IF OTHER THAN THAT WHICH IS INDICATED ON DRAWINGS.

14. COORDINATE ELECTRICAL VOLTAGES WITH THE ARCHITECTURAL DRAWINGS PRIOR TO ORDERING ANY EQUIPMENT.

15. COORDINATE EQUIPMENT TYPES WITH THE ARCHITECTURAL DRAWINGS. AREAS DESIGNATED FOR THE USE OF THE HANDICAPPED SHALL BE SUPPLIED WITH FIXTURES AND TRIM AS SET FORTH IN THE "AMERICAN" WITH DISABILITIES ACT (ADA).

17. WHEN WATER HEATERS ARE PLACED ABOVE THE CEILING, THE CONTRACTOR SHALL PROVIDE A 1-P" PIPING WITH A TRAP PRIMER AT THE NEAREST WASTE OR VENT LINE ABOVE THE CEILING FOR FAT DISCHARGE.

18. WHEN ADDING ON TO OR MAKING AN ADDITION TO AN EXISTING FACILITY, CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT (FURNITURE, TRAP, PUMPS, ETC.) MANUFACTURER AND USE SAME MANUFACTURER FOR NEW EQUIPMENT. CONTRACTOR SHALL ATTAIN WRITTEN APPROVAL OF OWNER/OWNER REPRESENTATIVE FOR USE OF DIFFERENT MANUFACTURERS.

19. ALL PIPING SHALL BE ROUTED ABOVE CEILING UNLESS OTHERWISE INDICATED. ALL PIPING EXPOSED TO VIEW SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO THE UNDERSIDE OF STRUCTURE.

20. ALL WATER PIPING SHALL BE ROUTED ABOVE THE CEILING UNLESS NOTED OTHERWISE. COLD AND HOT WATER PIPING ABOVE GRADE SHALL BE TYPE 1/2" LAMP DRAIN COPPER TUBING CONFORMING TO ASTM B-88 WITH SWEAT JOINTS AND COAT OF WROUGHT FITTINGS. JOINTS SHALL BE MADE WITH LEAD FREE SOLDER. COLD WATER PIPING BELOW GRADE SHALL BE TYPE 1/2" COPPER TUBING WITH COAT OF WROUGHT FITTINGS AND JOINTS AS DESCRIBED ABOVE. JOINTS SHALL NOT BE FORMED UNDER FLOOR SLABS. WATER PIPING BELOW GRADE THROUGH CONCRETE SHALL BE PROTECTED WITH PLASTIC SLEEVES.

21. SANITARY WASTE & VENT, AND STORM DRAIN PIPING ABOVE GROUND SHALL BE PVC WITH SOLVENT JOINTS.

22. SANITARY WASTE & STORM DRAIN PIPING BELOW GROUND SHALL BE SODERX 40 DWV PVC WITH SOLVENT JOINTS.

23. SANITARY STACKS SHALL HAVE CLEAN OUTS AT THE BASE OF ALL STACKS.

24. ALL HOT WATER AND COLD WATER PIPING ABOVE GRADE SHALL BE INSULATED WITH P" NOMINAL THICKNESS FIBERGLASS PIPE INSULATION WITH VAPOR BARRIER JACKET, DENS-CONCRETE AS 4/584 OR EQUAL.

25. WASTE, COLD WATER AND HOT WATER PIPING AT HANDICAPPED LOCATIONS SHALL BE INSULATED WITH THERMO "LAV-GUARD" #103.

26. ALL PIPING PENETRATING CEILINGS, WALLS, AND CASEWORK SHALL BE INSTALLED WITH MATCHING ESCUTOCHES AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE PROTECTED AS REQUIRED BY THE ARCHITECT.

27. TOPS OF ALL FLOOR DRAINS AND CLEANOUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.

28. ROUTE RELIEF VALVE DISCHARGE FROM WATER HEATER TO NEAREST HUB DRAIN OR TO GRADE OUTDOORS.

29. ROUTE RELIEF VALVE DISCHARGE FROM WATER HEATER TO NEAREST HUB DRAIN OR TO GRADE APPROVED DRAINAGE RECEPTACLE.

30. SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ARCHITECT PRIOR TO ORDERING EQUIPMENT OR INSTALLING ANY PIPING FOR ALL EQUIPMENT, FIXTURES, AND PIPING.

31. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS. ALL PLUMBING EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE WITH THE ELECTRICAL CONTRACTOR.

32. WATER PIPING ROUTED ABOVE CEILING AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE OF CEILING INSULATION AND WALL INSULATION.

33. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

34. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION.

35. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE WORK SHALL BE REPAIRED.

36. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, PIPING SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWNS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT.



City of Bloomington, Indiana
1320 S. ROGERS STREET
BLOOMINGTON, IN 47403-1000
Tel. : (317) 344-1000
Fax : (317) 344-1000



ARCHITECT

PROPOSED NEW FACILITY FOR
BUILT-BLOOMINGTON
1320 S. ROGERS STREET
BLOOMINGTON, INDIANA

ARCHITECT

DATE: 03/20/08

PROJECT

CLIENT

M&P

BLOOMINGTON BOARD OF ZONING APPEALS
STAFF REPORT
LOCATION: 111 S. Jefferson Street

CASE#: CU-V-38-25
ZR2025-08-0092/0093
DATE: September 18, 2025

PETITIONER: Todd Sacksteder
 10101 Brookhill Dr
 Brookville, IN 47012

REQUEST: The petitioner is requesting Conditional Use approval to allow a “Dwelling, duplex” use in the Residential Small Lot (R3) zoning district. The petitioner is also requesting a Variance from the front building setback standards to allow a “Dwelling, duplex” in the Residential Small Lot (R3) zoning district.

REPORT: The property is located on S. Jefferson Street between E. 5th Street and E. 4th Street. This site and the surrounding properties to the north, east, and south are zoned Residential Small Lot (R3), and the properties across the street to the west are zoned Residential Urban (R4). The site is surrounded by a mix of single family residences. The property currently contains a single family residence and is within the Green Acres Neighborhood Association area.

The petitioner is proposing to remove the existing residence and develop the site with a new “Dwelling, duplex”. The residence has been designed with each unit having a separate exterior entrance facing Jefferson Street to the west. The proposed duplex includes a new 2-story structure with two 3-bedroom, 3-bath dwelling units. Moreover, the plan features a traditional home found in the Green Acres neighborhood with matching roof and porch styles, and the exterior building materials primarily include engineered wood siding and dimensional asphalt shingles. An 18’ x 30’ concrete driveway connecting to Jefferson Street is shown on the site plan. Two street trees are required with the new construction and have been shown. Water and sewer connections are shown along Jefferson Street. New electrical service will also be separate for each unit and coordinated with Duke Energy.

This petition was presented to the Green Acres Neighborhood Association. The main request expressed by the Neighborhood Association is that the duplex is setback 8’ more than the house at 109 S. Jefferson Street, which is located to the north to create a more consistent block face. The Neighborhood Association emphasized the importance of the new duplex not visually overwhelming the other houses on that side of the block and ensuring that the mass of the new duplex is compatible with the existing character of the neighborhood. Based on this feedback from the Green Acres Neighborhood Association, the petitioner revised their plans to build the duplex farther back on the property which necessitated a variance from the front build-to requirement of 15’ from the property line.

The petitioner is requesting conditional use approval to allow the establishment of a “Duplex, dwelling” use on the property as well as a variance from the front building setback standards.

CRITERIA AND FINDINGS FOR CONDITIONAL USE PERMIT

20.06.040(d)(6)(B) General Compliance Criteria: All petitions shall be subject to review and

pursuant to the following criteria and shall only be approved if they comply with these criteria.

- i. *Compliance with this UDO*
- ii. *Compliance with Other Applicable Regulations*
- iii. *Compliance with Utility, Service, and Improvement Standards*
- iv. *Compliance with Prior Approvals*

PROPOSED FINDING: There are use-specific standards outlined in 20.03.030(b)(3) that apply to the use “Dwelling, duplex” within the R3 zoning district, and this petition meets those standards. The property owner does not have any Notices of Violation on file, and occupancy of each dwelling unit is subject to the definition of “Family”. Each duplex unit has a separate exterior entrance facing Jefferson Street, and the proposed design elements are similar in general shape, size, and design with the majority of existing single-family or duplex structures on the same block. Each dwelling unit has 3 bedrooms which meets the maximum 6 bedroom limitation. The petitioner did attend the Green Acres Neighborhood Association meeting and presented this petition as required. There are no known other applicable regulations for this petition. Water and sewer services are available along Jefferson Street and will be coordinated with the City of Bloomington’s Utilities and Engineering Departments. There are no known prior land use approvals for this site.

20.06.040(d)(6)(C) ADDITIONAL CRITERIA APPLICABLE TO CONDITIONAL USES

i. ***Consistency with Comprehensive Plan and Other Applicable Plans***

The proposed use and development shall be consistent with and shall not interfere with the achievement of the goals and objectives of the Comprehensive Plan and any other applicable adopted plans and policies.

PROPOSED FINDING: This proposal is in line with the goals of the Comprehensive Plan. In the Future Land Use Map, this area is identified as the “Mixed Urban Residential” land use category. The Comprehensive Plan states that the Mixed Urban Residential land use category is largely in older neighborhoods and that redevelopment should be compatible with the surroundings. Additionally, Policy 5.3.1 encourages opportunities for infill and redevelopment across the City of Bloomington with consideration for increased residential densities, complementary design, and underutilized housing types such as duplexes.

ii. ***Provides Adequate Public Services and Facilities***

Adequate public service and facility capacity shall exist to accommodate uses permitted under the proposed development at the time the needs or demands arise, while maintaining adequate levels of service to existing development. Public services and facilities include, but are not limited to, streets, potable water, sewer, stormwater management structures, schools, public safety, fire protection, libraries, and vehicle/pedestrian connections and access within the site and to adjacent properties.

PROPOSED FINDING: As stated by the petitioner, new water and sewer services will be coordinated with the City of Bloomington’s Utilities and Engineering Departments and no problems have been noted for connecting to those service lines. For new electrical service, this will be coordinated with Duke Energy.

iii. *Minimizes or Mitigates Adverse Impacts*

1. *The proposed use and development will not result in the excessive destruction, loss or damage of any natural, scenic, or historic feature of significant importance.*
2. *The proposed development shall not cause significant adverse impacts on surrounding properties nor create a nuisance by reason of noise, smoke, odors, vibrations, or objectionable lights.*
3. *The hours of operation, outside lighting, and trash and waste collection shall not pose a hazard, hardship, or nuisance to the neighborhood.*
4. *The petitioner shall make a good-faith effort to address concerns of the adjoining property owners in the immediate neighborhood as defined in the pre-submittal neighborhood meeting for the specific proposal, if such a meeting is required.*

PROPOSED FINDING: There are no regulated natural or scenic features that will be impacted. The property is not located within a historic district. No significant adverse impacts are expected from the creation of the proposed duplex. No changes to trash and waste collection service are expected. At the Green Acres Neighborhood Association meeting, the main concern expressed was about the placement of the duplex. The build-to line for this zoning district is 15' from the front property line. However, the Green Acres Neighborhood Association requested that the duplex is setback 8' more than the house to the north at 109 S. Jefferson Street. As a result, the petitioner revised their plans and is requesting a variance to build the duplex with a 33.47' front setback.

iv. *Rational Phasing Plan*

If the petition involves phases, each phase of the proposed development shall contain all of the required streets, utilities, landscaping, open space, and other improvements that are required to comply with the project's cumulative development to date and shall not depend upon subsequent phases for those improvements.

PROPOSED FINDING: No phasing is proposed with this plan.

CRITERIA AND FINDINGS FOR DEVELOPMENT STANDARDS VARIANCE

20.06.080(b)(3)(E)(i) Standards for Granting Variances from Development Standards: A variance from the development standards of the Unified Development Ordinance may be approved only upon determination in writing that each of the following criteria is met:

- 1) *The approval will not be injurious to the public health, safety, morals, and general welfare of the community.*

PROPOSED FINDING: The approval of the requested setback variance is not expected to be injurious to the general welfare of the neighborhood and community. There will be no impact to the overall safety of the duplex as a result of the requested variance. The need for the front setback variance was the result of input from the Green Acres Neighborhood Association so that the new duplex does not visually overwhelm the other houses on that side of the block on Jefferson Street.

- 2) *The use and value of the area adjacent to the property included in the Development Standards Variance will not be affected in a substantially adverse manner.*

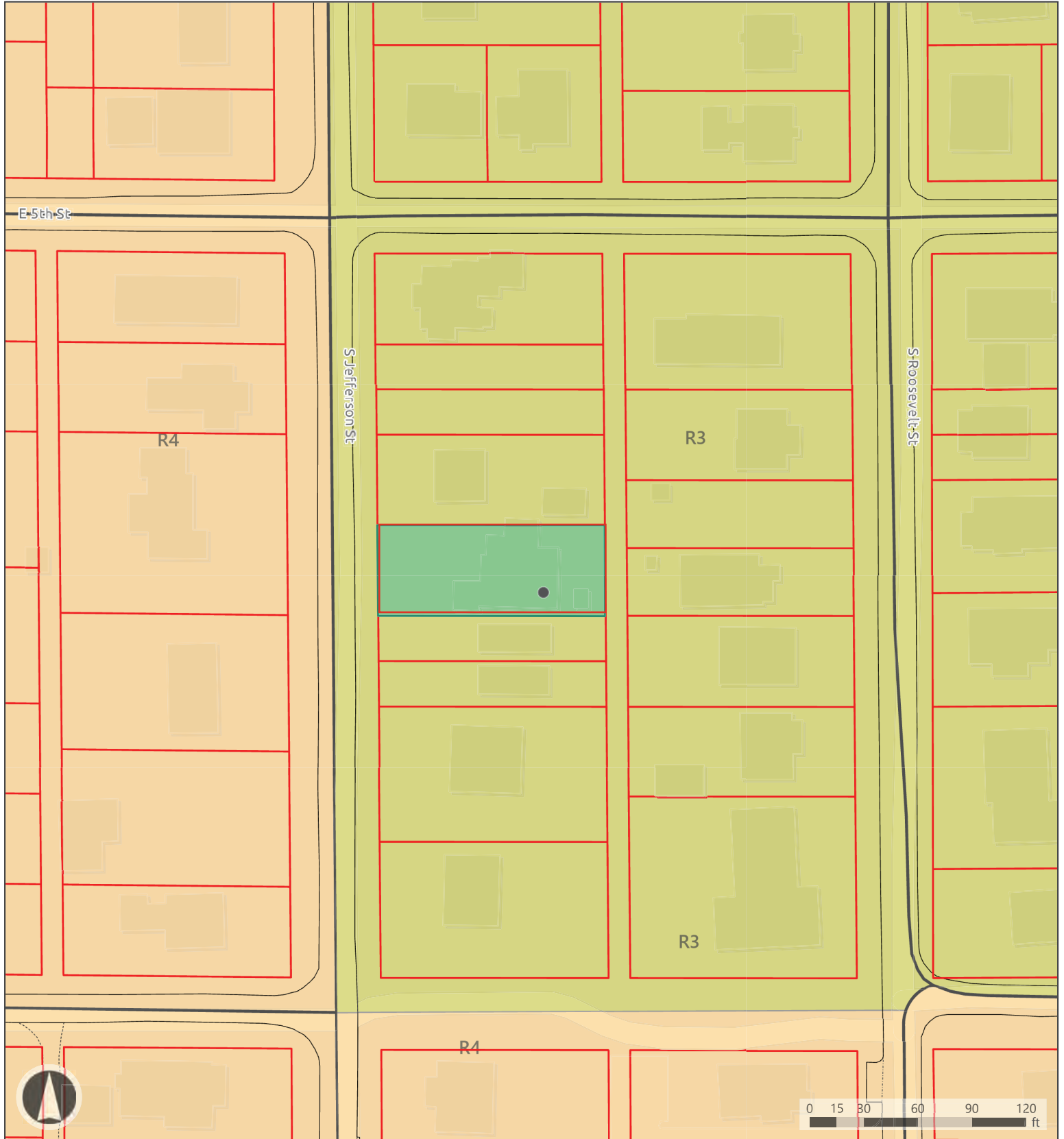
PROPOSED FINDING: The granting of the variance is not expected to impact the use and value of the area adjacent to the property in a substantially adverse manner. Given the condition of the existing house, the Green Acres Neighborhood Association has no issues with the demolition of the single-family home. The petitioner designed the new duplex plans to be compatible with the neighborhood.

- 3) *The strict application of the terms of the Unified Development Ordinance will result in practical difficulties in the use of the property; that the practical difficulties are peculiar to the property in question; that the Development Standards Variance will relieve the practical difficulties.*

PROPOSED FINDING: The strict application of the terms of the Unified Development Ordinance will result in practical difficulties in the use of the property in that it would require the building to be constructed at a location that would not be consistent with the established block face of other residences along this section of Jefferson Street. Peculiar condition in this case is that the adjacent properties are non-conforming and not built at the 15' build-to line as required by the Unified Development Ordinance (UDO). In order to best fit with the existing character of the Green Acres neighborhood, a variance is necessary for the new duplex to be setback 33.47' from the front property line instead of 15' as specified in the UDO.

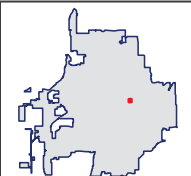
RECOMMENDATION: The Department recommends that the Board of Zoning Appeals adopt the proposed findings and approve of CU-V-38-25/ZR2025-08-0092/0093 with the following conditions:

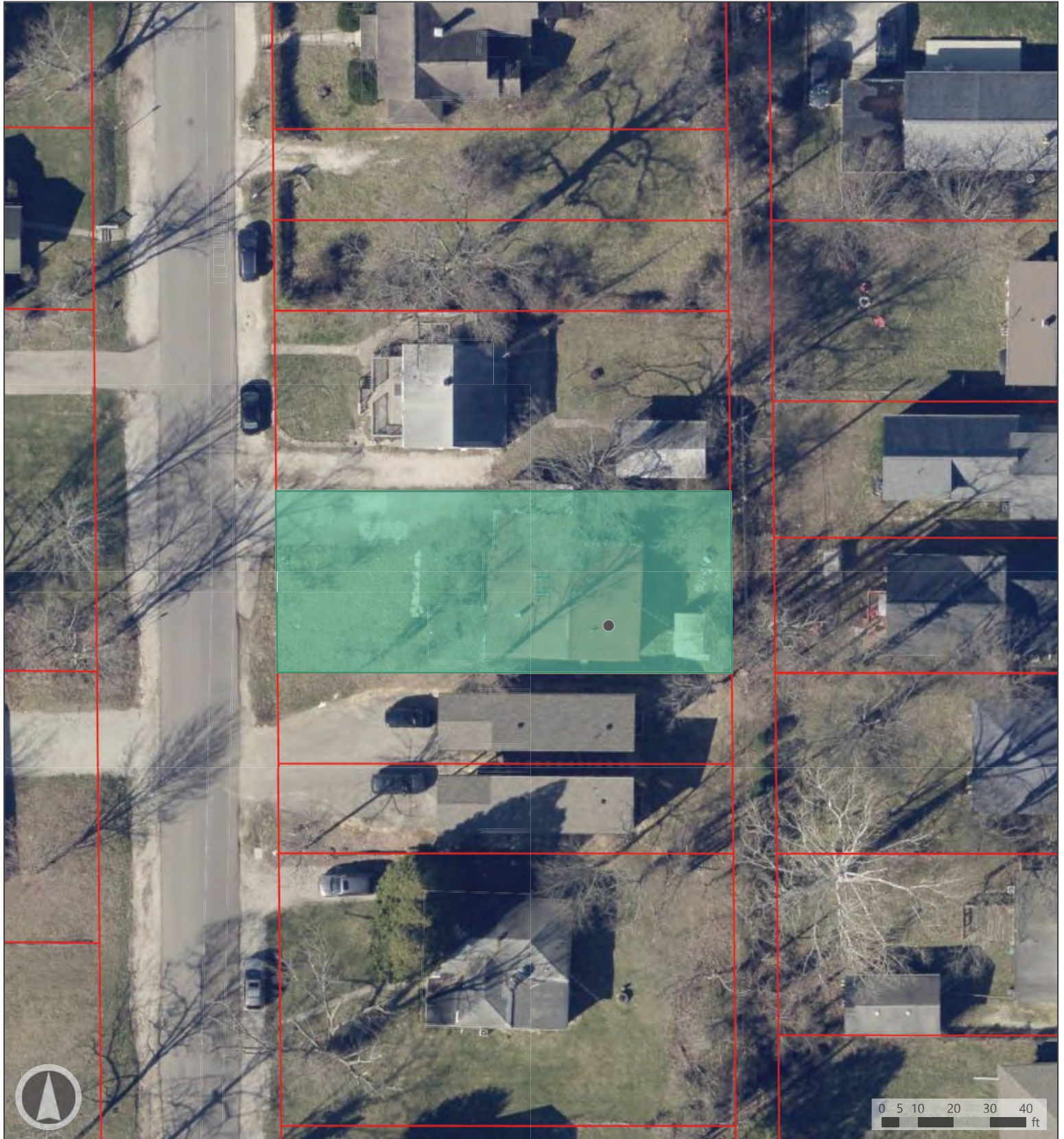
1. The conditional use/variance approval is limited to the design shown and discussed in the packet.
2. Two large street trees are required to be planted as shown on the plan.






Map Legend

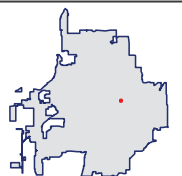
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|-------------------------|---------|--------------------------------|
| Board of Zoning Appeals | Alley | Bloomington Municipal Boundary |
| Parcels | Lane | Residential Small Lot |
| Pavement | Current | Residential Urban |





Map Legend

-  Board of Zoning Appeals
-  Parcels
-  Bloomington Municipal Boundary



Sacksteder Properties, LLC

3243 Quailwood Run Lane, Indiana

Petitioner's Statement

111 S Jefferson St, Bloomington, IN 47408 Residence

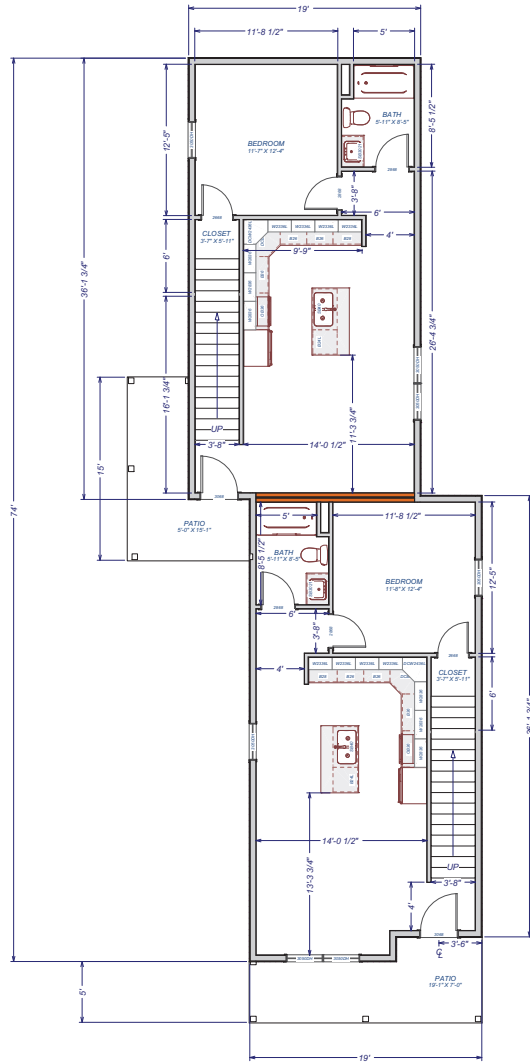
Petitioner: Sacksteder Properties, LLC

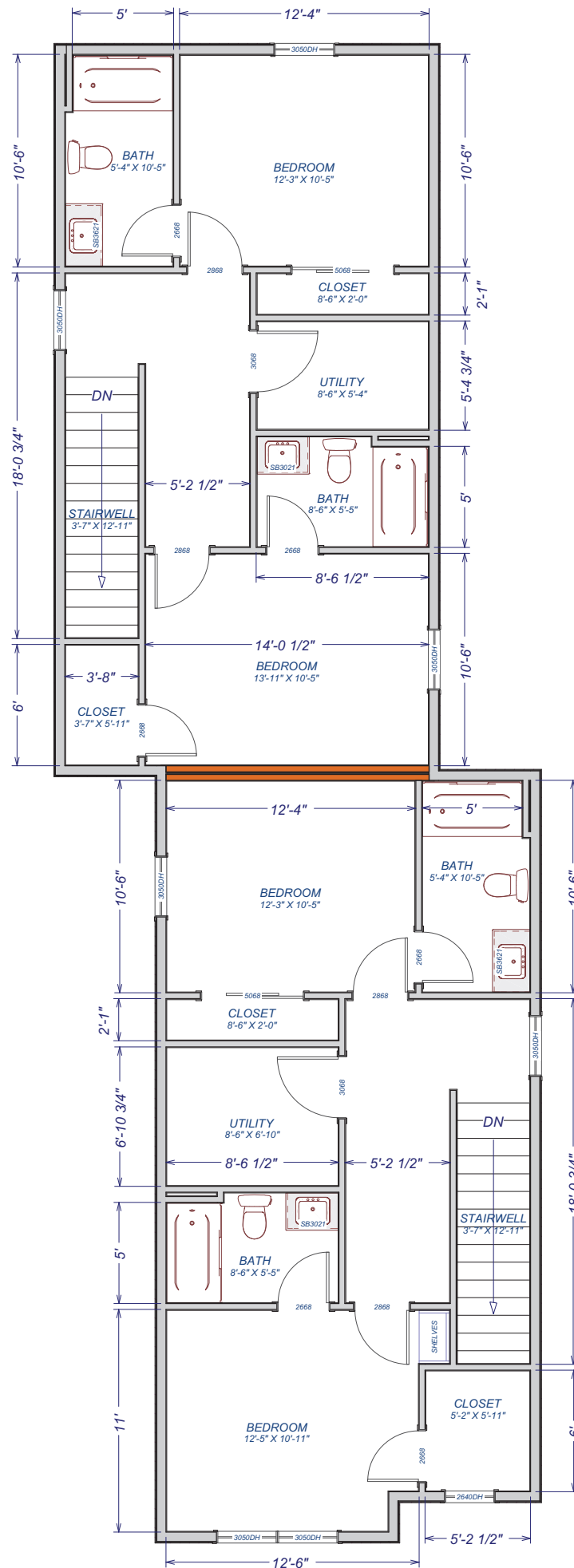
Property Description

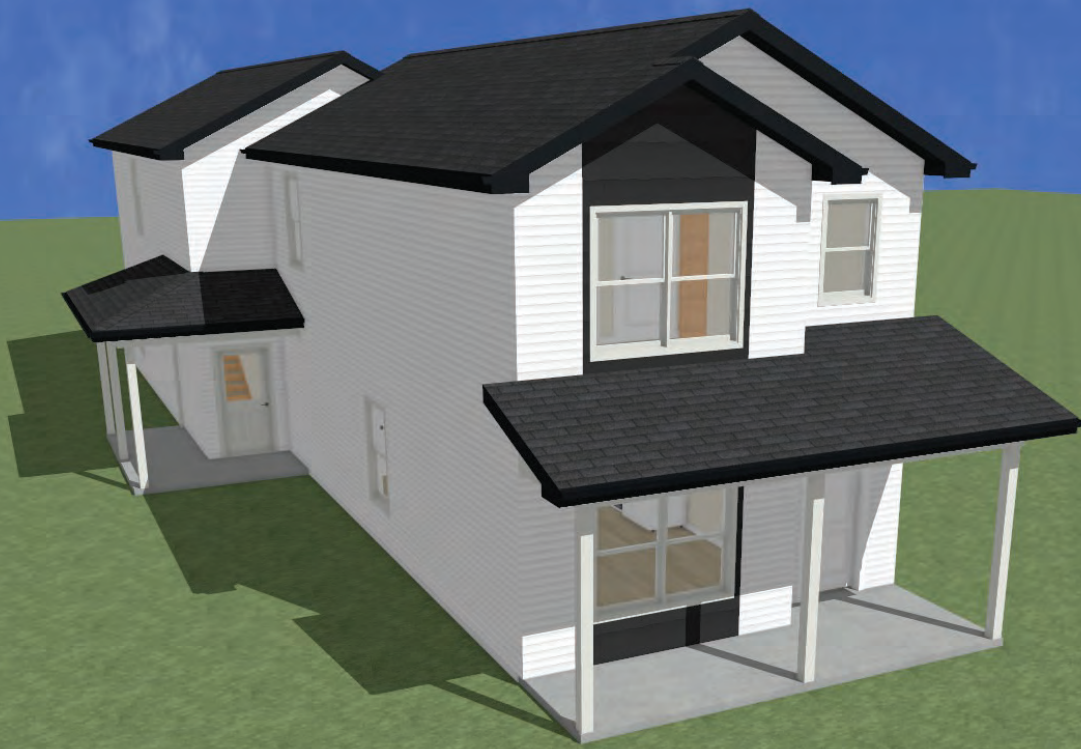
111 S Jefferson St, Bloomington, IN 47408 is near the intersection of FifthStreet and North Jefferson Street in the Green Acres Neighborhood. The property is zoned R3 (Residential Small Lot) and is surrounded by a mix of single family residential and multifamily homes. The zoning on all three sides of the property is R3. Across Jefferson is zoned R 4.

Conditional Use Request

Sacksteder Properties, LLC, is requesting a Conditional Use permit per the UDO for the construction of a duplex in R3 Zoning. We are also asking for a variance from the front setbacks to set the duplex more inline with the properties next to it. The proposal meets the design requirements and development standards outlined in the UDO. It includes a new 2-story structure with two 3-bedroom, 3-bath dwelling units. Each unit will have a separate exterior entrance off Jefferson. The plan features a traditional home found in this neighborhood with matching roof styles and porch styles. The exterior will primarily include engineered wood siding and dimensional asphalt shingles. The building setback will sit 15 ft behind the right of way line off Jefferson St. Vehicular access will be from the north side of the lot off of Jefferson St with 2 spots proposed for this build. New water and sewer services, separate for each unit, will be coordinated with City of Bloomington Utilities and Engineering, and new electrical service, separate for each unit, will be coordinated with Duke Energy. Upon approval, construction is expected to begin in November 2025, with completion anticipated in the Summer of 2026.









Eric Greulich <greulice@bloomington.in.gov>

Fw: 111 S. Jefferson

Todd Sacksteder <toddsacksteder@sbcglobal.net>
Reply-To: Todd Sacksteder <toddsacksteder@sbcglobal.net>
To: Ann Kreilkamp <arkcrone@gmail.com>
Cc: Margaret Menge <margaretmenge@yahoo.com>

Fri, Aug 22, 2025 at 1:46 PM

Todd Sacksteder
S & W Real Estate LLC
www.sackstederproperties.com
Cell: (317)523-5533

On Wednesday, August 20, 2025 at 08:36:31 PM EDT, Ann Kreilkamp <arkcrone@gmail.com> wrote:

----- Forwarded message -----

From: **Margaret Menge** <margaretmenge@yahoo.com>
Date: Wed, Aug 20, 2025 at 6:08 PM
Subject: 111 S. Jefferson
To: Ann Kreilkamp <arkcrone@gmail.com>

Hello -- Here is a list of things we'd like to communicate to the developer, **Todd Sacksteder of S & W Real Estate LLC**, to consider in his application for Conditional Use for **111 S. Jefferson Street** in Green Acres.

1. We have no issue with the demolition of the house now at this address given its condition.
- Thanks for the support
2. The most important request is that the duplex that is built in its place be set back from the street eight feet more than 109 S. Jefferson, to the north of it. This is so that it does not visually overwhelm the other houses on that side of the block with its mass.
- I will work with Eric to change the variance to move the build further back if possible.
3. The second most important request is to make sure that the overall mass of the building be not more than twice the mass of the other homes on the east side of the block, on average. This is essential to making sure that the new duplex is somewhat compatible with the neighborhood
-- does not stick out like a sore thumb.
- This house sits within the side setbacks and is not very large as we have it built
4. Trees -- Please preserve any medium to large trees, as far as possible. This includes the large tree that is now immediately south of the current home. This tree is tall and stately and provides shade to two properties. Trees are what make Green Acres green!
- I will do my best to keep the trees that I can while building the structure. We will also be adding trees as seen on the site plan.

5. Exterior -- We'd like to request that the builder use materials that have a natural look...wood or hardie board as opposed to vinyl siding or another cheaper material.
- Will be using 80-90% LP Siding (Wood) and rock Veneer. The soffitt, fascia, and gutters will be vinyl and aluminum which is standard.
6. Front lawn -- Please retain significant green space in the front of the duplex. The entire front lawn should not be paved, in other words.
- I will work to keep the paving to the left side of the house as shown in the site plan.

Thanks for the input.

Thank you for considering these requests,

Green Acres Neighborhood Association

I sent out the above message to neighborhood folks and only one responded by the time I told them, 8:30 this evening: Bill Schaich, who says he agrees with all the suggestions.

[Quoted text hidden]