

January 11th, 2022

The Hendricks County Drainage Board met in the Commissioners' Room on the first floor of the Hendricks County Government Center. Those present were President Bob Gentry, Vice President Phyllis A. Palmer, Members Dennis W. Dawes, and Jack Maloney, Hendricks County Attorney Graham Youngs, Hendricks County Surveyor David Gaston, Chief Deputy Surveyor Tiffany Dalton, Dirk Leonard, Blake Stephenson, Nathaniel Shaffer, Jeff Banning, Dale Kruse, Brandon Burke, Tony Murrain, Taylor Cooper, David Eichelberger, Mark Thorpe, Ian Hahus, Dick Robertson, Greg Dempsey, Chris Pope, David Compton, Mitchell Alexander, Kyle Eichhorn, Tim Higbie, Isaac Boatman, Will Wysattz, and D. Arnett.

President Bob Gentry determined there was a quorum and led the Pledge of Allegiance. Member Dennis Dawes led a prayer for those who wished to participate. Mr. Gentry then called for the first order of business.

RE: IN THE MATTER OF APPROVAL OF MINUTES:

President Gentry requested a motion with regards to the minutes of the December 28th, 2021, Drainage Board meeting. Member Jack Maloney moved to approve the December 28th, 2021, Drainage Board meeting minutes as presented. Member Dennis Dawes seconded the motion. The motion was unanimously passed.

RE: Election Of Officers:

President Gentry stated the following were up for election for 2022, President, Vice President and Secretary. Member Dennis Dawes moved to elect Bob Gentry for President. Member Jack Maloney seconded. The motion was passed unanimously.

Member Dennis Dawes moved to elect Phyllis Palmer as Vice President. President Gentry seconded. The motion was passed unanimously.

President Gentry moved to elect Gary Sowers as Secretary. Member Jack Maloney seconded. The motion was passed unanimously.

RE: IN THE MATTER OF BILLS TO BE PAID:

REVIEW FEES

Christopher Burke \$ 13,055.00

Total Review Fees Paid out of General Fund: \$ 13,055.00

Member Dennis Dawes moved to approve the Review Fees in the amount of \$13,055.00. Member Jack Maloney seconded the motion. The motion unanimously passed.

AUDITOR'S REPORT

January 11th, 2022 Auditor's Report

It was noted by the Board that an Auditor's report had not been sent out therefore, there could not be a vote on the January 11th, 2022 Auditor's Report.

RE: IN THE MATTER OF OLD BUSINESS: PROJECTS

MAJOR PLAT (PRELIMINARY):

S-9-21 (Bellwood formerly Millstone) – Avon

116 lots on 65.872 acres in Washington Township, S14-T15N-R1E, located on the southside of County Road 100 South, approximately 1,313 feet east of South Avon Avenue in the Town of Avon. **(HWC Engineering)** -- ***George Mercer Regulated Drain \$50.00 per lot assessment outlet only.***

Mr. Gaston informed the Board that HWC Engineering had requested a Continuance for ***S-9-21 (Bellwood formerly Millstone)*** to the February 8th meeting of the Drainage Board. Mr. Gaston informed the Board that under current Drainage Board policy this would be their final continuance for this project. Discussion followed. Member Jack Maloney moved to approve the continuance with the caveat that the Drainage Board waive the policy on the final continuance to allow HWC more continuances in the future for this project. Member Dennis Dawes seconded the motion. The motion was unanimously passed on a 3-1 vote with Vice President Palmer opposing waiving the policy in order to be consistent.

S-14-21 (Brownsburg Senior Living) – Brownsburg

1 lot on 12.15 acres in Lincoln Township, S27-T16N-R1E, located on the southwest corner of State Road 267 and Northfield Drive in the Town of Brownsburg **(Innovative Engineering)** -- ***New England Way South Regulated Drain, \$100.00 per acre assessment Outlet Only.***

Hendricks County Surveyor David Gaston recommended the Hendricks County Drainage Board grant Preliminary Approval of ***S-14-21 (Brownsburg Senior Living)*** subject to the conditions of the Hendricks County Surveyor's letter, all the requirements and conditions of the Hendricks County Stormwater Management Handbook and approval by the Town of Brownsburg, and a \$100.00 per acre assessment payable to the New England Way South Regulated Drain. Discussion followed. Member Jack Maloney moved to follow the Surveyor's recommendation. Vice President Palmer seconded the motion. The motion was unanimously passed.

RE: IN THE MATTER OF NEW BUSINESS: PROJECTS

MAJOR PLAT (PRELIMINARY):

S-1-22 (Brookstone) – Avon

152 lots on 80.78 acres in Washington Township, S6-T15N-R2E, located on the southside of County Road 100 North, approximately 1,896 feet east of County Road 900 E in the Town of Avon **(HWC Engineering)** ***Alfred Cox Regulated Drain \$50.00 per lot Outlet Only.***

Hendricks County Surveyor David Gaston recommended the Hendricks County Drainage Board grant Preliminary Approval of ***S-1-22 (Brookstone)*** subject to the conditions of the Hendricks County Surveyor's letter, all the requirements and conditions of the Hendricks County Stormwater Management Handbook and approval by the Town of Avon, and a \$50.00 per lot assessment payable to the Alfred Cox Regulated Drain. Discussion followed. Member Dennis Dawes moved to follow the Surveyor's recommendation. Member Jack Maloney seconded the motion. The motion was unanimously passed.

S-2-22 (Promenade) – Brownsburg

111 lots on 54.94 acres in Lincoln Township, S24-T16N-R1E, located at the southern terminus of Woodridge Street, approximately 438 feet west of Northfield Drive in the Town of Brownsburg. **(Banning Engineering)**
Garvey Neal Pollard Todd Regulated Drain \$50.00 per lot Outlet Only.

Hendricks County Surveyor David Gaston recommended the Hendricks County Drainage Board grant Preliminary Approval of ***S-2-22 (Promenade)*** subject to the conditions of the Hendricks County Surveyor's letter, all the requirements and conditions of the Hendricks County Stormwater Management Handbook and approval by the Town of Brownsburg, and a \$50.00 per lot assessment payable to the Garvey Neal Pollard Todd Regulated Drain. Discussion followed. Member Dennis Dawes moved to follow the Surveyor's recommendation along with reducing the Regulated Drainage Easement from 75-feet to 50-feet. Member Jack Maloney seconded the motion. The motion was unanimously passed.

S-3-22 (Trailside) – County (Brownsburg to Annex)

145 lots on 22.818 acres in Lincoln Township, S23-T16N-R1E, located on the eastside of South Green Street, approximately 193 feet north of County Road 350 North in the Town of Brownsburg. **(Banning Engineering)**
No Regulated Drain

Mr. Gaston Recommended granting ***S-3-22 (Trailside)*** a continuance to the February 8th Meeting of the Drainage Board. Discussion followed. Member Jack Maloney moved to follow the Surveyor's recommendation. Member Dennis Dawes seconded the motion. The motion was unanimously passed.

MAJOR PLAT (PRELIMINARY & FINAL):

DPR 422 (Twin Bridges High BTU) – County

1 lot on 8.0 acres in Center Township. S14-T15N-R1W, located on the eastside of County Road 150 East, approximately 979 feet south of County Road 75 South. **(Weihe Engineers)** ***No Regulated Drain.***

Hendricks County Surveyor David Gaston recommended the Hendricks County Drainage Board grant Preliminary & Final Approval of ***DPR 422 (Twin Bridges High BTU)*** subject to the conditions of the Hendricks County Surveyor's letter, and all the requirements and conditions of the Hendricks County Stormwater Management Handbook. Discussion followed. Member Dennis Dawes moved to follow the Surveyor's recommendation. Member Jack Maloney seconded the motion. The motion was unanimously passed.

S-4-22 (Dollar General) – Brownsburg

1 lot on 1.19 acres in Lincoln Township, S22-T16N-R1E, located on the westside of South Green Street, approximately 377 feet south of Airport Road in the Town of Brownsburg, **(Hamilton Designs)**
Nash Trucksess Regulated Drain \$100.00 per acre Outlet Only.

Mr. Gaston Recommended granting ***S-4-22 (Dollar General)*** a continuance to the February 8th Meeting of the Drainage Board. Discussion followed. Member Jack Maloney moved to follow the Surveyor's recommendation. President Bob Gentry seconded the motion. The motion was unanimously passed.

MAJOR PLAT (FINAL):

S-8-21 (Hidden Hills) – Pittsboro

32 lots on 40.69 acres in Middle Township, S31-T17N-R1E, located on the southside of East Wall Street, approximately 515 feet west of Declaration Drive in the Town of Pittsboro. **(Banning Engineering)**
Roseboom Regulated Drain \$100.00 per lot Outlet Only.

Hendricks County Surveyor David Gaston recommended the Hendricks County Drainage Board grant Final Approval of ***S-8-21 (Hidden Hills)*** subject to the conditions of the Hendricks County Surveyor's letter, all the requirements and conditions of the Hendricks County Stormwater Management Handbook and approval by the Town of Pittsboro, and a \$100.00 per lot assessment payable to the Roseboom Regulated Drain. Discussion followed. Member Jack Maloney moved to follow the Surveyor's recommendation. Member Dennis Dawes seconded the motion. The motion was unanimously passed.

MINOR PLAT (PRELIMINARY & FINAL):

MIP 1151 (Neier) – County

3 lots on 9.83 acres in Marion Township, S17-T15N-R2W, located on the westside of County Road 775 West, approximately 653 feet south of County Road 100 South. **(Kruse Consulting)** ***No Regulated Drain.***

Hendricks County Surveyor David Gaston recommended the Hendricks County Drainage Board grant Preliminary & Final Approval of ***MIP 1151 (Neier)*** subject to the conditions of the Hendricks County Surveyor's letter, and all the requirements and conditions of the Hendricks County Stormwater Management Handbook. Discussion followed. Member Dennis Dawes moved to follow the Surveyor's recommendation. Vice President Phyllis Palmer seconded the motion. The motion was unanimously passed.

MINOR RESIDENTIAL PLAT (PRELIMINARY & FINAL):

MRP 133 (Yataco) – County

1 lot on 4.344 acres in Center Township, S25-T16N-R1W, located on the northwest corner of County Roads 250 East and 250 North. **(Kruse Consulting)** ***Elizabeth Gentry Regulated Drain \$100.00 per lot Outlet Only.***

Hendricks County Surveyor David Gaston recommended the Hendricks County Drainage Board grant Final Approval of ***MRP 133 (Yataco)*** subject to the conditions of the Hendricks County Surveyor's letter, all the requirements and conditions of the Hendricks County Stormwater Management Handbook and a \$100.00 per lot assessment payable to the Elizabeth Gentry Regulated Drain. Discussion followed. Member Jack Maloney moved to follow the Surveyor's recommendation. Member Dennis Dawes seconded the motion. The motion was unanimously passed.

RE: INTRODUCTION OF OTHER BUSINESS OR ADDITIONAL DISCUSSION BY COUNSEL, STAFF OR PUBLIC:

RE: HENDRICKS COUNTY ATTORNEY GREG STEUERWALD:

None cited.

RE: HENDRICKS COUNTY SURVEYOR DAVID GASTON:

Lingerman- Forest Commons Regulated Drain Bid opening:

Mr. Gaston informed the Board that there were no bids turned in for the project designed by Christopher Burke Engineering. Vice President Palmer made a motion to have the project sent out again to see if any bids will come in a second time. President Gentry seconded the motion. The motion was passed unanimously.

Mary A. Gibbs Regulated Drain – Bond Discussion:

Mr. Gaston stated he had a conversation with Hendricks County Attorney Greg Steuerwald on a question that was asked at the December 28th, 2021, Drainage Board Meeting. The question was, could the county hold the bond for a contractor to do the work on the Gibbs Regulated Drain project designed by Christopher Burke Engineering. It was the guidance from the Hendricks County Attorney that the county does not hold the bond and to have the contractor chosen to perform the work hold the bond. The Board thanked Mr. Gaston for the information.

7. WISHES TO BE HEARD:

President Gentry recognized Tony Murrain with Murrain Excavating. Mr. Murrain stated he had a few questions that he would like answered regarding the Mary Gibbs project that was designed by Christopher Burke Engineering. Mr. Murrain asked if there was a timeframe for the bonds to be held. Another question was what was the timeframe for the project to be completed in whole since the project bidding has been pushed back. It was the direction of the Board that Mr. Murrain send his questions to Andrew at Christopher Burke Engineering to get the appropriate answers for his questions based off of the contract information written by Burke. Mr. Eichelberger said he would be happy to send out a letter to answer those questions.

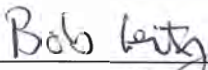
8. INTRODUCTION OF BUSINESS OR DISCUSSION BY BOARD MEMBERS:

Member Jack Maloney stated he had a question on erosion control on some ponds in Brownsburg under new development. Mr. Gaston told him if they are within the Town of Brownsburg that the questions would need to be directed to the Town as the County Clean Water Department doesn't oversee the ponds within the corporate limits of the Town. Mr. Gaston said he would be happy to reach out to the Town for the Board to let them know there may be some erosion control issues on ponds being developed.

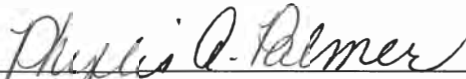
ADJOURN:

Seeing nothing further before the Board, Vice President Palmer moved to adjourn the meeting. Member Dennis Dawes seconded the motion. The motion was passed unanimously.

HENDRICKS COUNTY DRAINAGE BOARD:



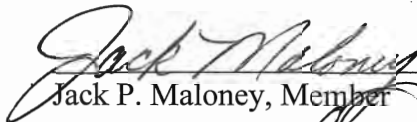
Bob Gentry, President



Phyllis A. Palmer, Vice President




Dennis W. Dawes, Member



Jack P. Maloney, Member

Not Present

E. Stanley Ryland, Member

ATTEST: 

Gary W. Sowers II, Secretary



HENDRICKS COUNTY DRAINAGE BOARD

MEMBERS:

Bob Gentry, Member
Phyllis A. Palmer, Member
Dennis W. Dawes, Member

Jack P. Maloney, Member
E. Stanley Ryland, Member

January 11th, 2022

PRELIMINARY & FINAL

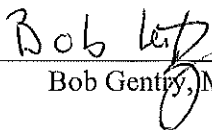
RE: MRP 133 (Yataco) – County
1 lot on 4.344 acres in Center Township, S25-T16N-R1W, located on the northwest corner of County Roads 250 East and 250 North. (Kruse Consulting) *Elizabeth Gentry Regulated Drain \$100.00 per lot Outlet Only.*

The Hendricks County Drainage Board, in their meeting of January 11th, 2022, moved to grant **PRELIMINARY & FINAL APPROVAL** for **MRP (Yataco)** as recommended by the Hendricks County Surveyor's Office letter dated January 10th, 2022, and subject to the conditions therein:

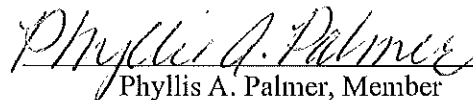
1. The project engineer has agreed to comply with all conditions of the Surveyor's Office Recommendation letter, and all requirements of the Hendricks County Storm Drainage Erosion and Sediment Control Ordinance.
2. The applicant's application and review fees must be paid before approval letter can be released.
3. Applicant must receive Plan Commission or Town Planning approval.
4. *As-Built plans must be submitted to the Surveyors Office when construction of drainage infrastructure is complete. Drainage Assessment Fee's must be paid annually.*

Dated this 11th day of December 2022.

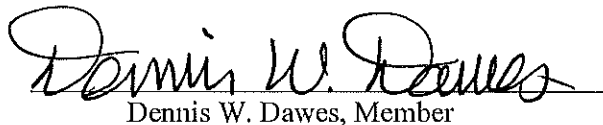
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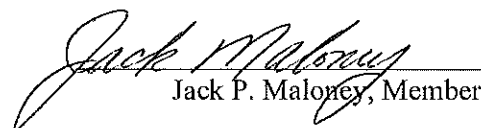
Bob Gentry, Member



Phyllis A. Palmer, Member



Dennis W. Dawes, Member



Jack P. Maloney, Member

E. Stanley Ryland, Member

ATTEST: _____
Gary W. Sowers II, Secretary



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Bob Gentry, Member
Phyllis A. Palmer, Member
Dennis W. Dawes, Member

Jack P. Maloney, Member
E. Stanley Ryland, Member

January 11th, 2022

PRELIMINARY & FINAL

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3 lots on 9.83 acres in Marion Township, S17-T15N-R2W, located on the westside of County Road 775 West, approximately 653 feet south of County Road 100 South.

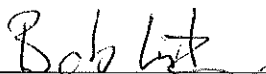
(Kruse Consulting) No Regulated Drain.

The Hendricks County Drainage Board, in their meeting of January 11th, 2022, moved to grant **PRELIMINARY & FINAL APPROVAL** for **MIP 1151 (Neier)** as recommended by the Hendricks County Surveyor's Office letter dated January 10th, 2022, and subject to the conditions therein:


1. The project engineer has agreed to comply with all conditions of the Surveyor's Office Recommendation letter, and all requirements of the Hendricks County Storm Drainage Erosion and Sediment Control Ordinance.
2. The applicant's application and review fees must be paid before approval letter can be released.
3. Applicant must receive Plan Commission or Town Planning approval.
4. As-Built plans must be submitted to the Surveyors Office when construction of drainage infrastructure is complete. Drainage Assessment Fee's must be paid annually.

Dated this 11th day of December 2022.

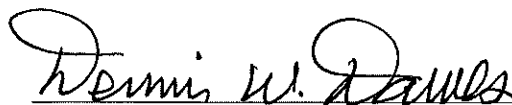
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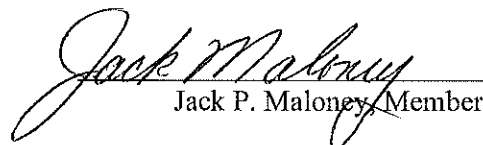
Bob Gentry, Member



Phyllis A. Palmer, Member



Dennis W. Dawes, Member



Jack P. Maloney, Member

E. Stanley Ryland, Member

ATTEST: _____
Gary W. Sowers II, Secretary



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Bob Gentry, Member
Phyllis A. Palmer, Member
Dennis W. Dawes, Member

Jack P. Maloney, Member
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January 11th, 2022

FINAL

RE: S-8-21 (Hidden Hills) – Pittsboro

32 lots on 40.69 acres in Middle Township, S31-T17N-R1E, located on the southside of East Wall Street, approximately 515 feet west of Declaration Drive in the Town of Pittsboro. (Banning Engineering) **Roseboom Regulated Drain \$100.00 per lot Outlet Only.**

The Hendricks County Drainage Board, in their meeting of January 11th, 2022, moved to grant **FINAL APPROVAL** for **S-8-21 (Hidden Hills)** as recommended by the Hendricks County Surveyor's Office letter dated January 10th, 2022, and subject to the conditions therein:

1. The project engineer has agreed to comply with all conditions of the Surveyor's Office Recommendation letter, and all requirements of the Hendricks County Storm Drainage Erosion and Sediment Control Ordinance.
2. The applicant's application and review fees must be paid before approval letter can be released.
3. Applicant must receive Plan Commission or Town Planning approval.
4. **As-Built plans must be submitted to the Surveyors Office when construction of drainage infrastructure is complete. Drainage Assessment Fee's must be paid annually.**

Dated this 11th day of December 2022.

HENDRICKS COUNTY DRAINAGE BOARD:

Bob Gentry, Member

Phyllis A. Palmer, Member

Dennis W. Dawes, Member

Jack P. Maloney, Member

E. Stanley Ryland, Member

ATTEST: Gary W. Sowers II, Secretary



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January 11th, 2022

PRELIMINARY & FINAL

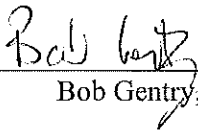
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(Weihe Engineers) No Regulated Drain.

The Hendricks County Drainage Board, in their meeting of January 11th, 2022, moved to grant **PRELIMINARY & FINAL APPROVAL** for **DPR 422 (Twin Bridges High BTU)** as recommended by the Hendricks County Surveyor's Office letter dated January 10th, 2022, and subject to the conditions therein:

1. The project engineer has agreed to comply with all conditions of the Surveyor's Office Recommendation letter, and all requirements of the Hendricks County Storm Drainage Erosion and Sediment Control Ordinance.
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4. **As-Built plans must be submitted to the Surveyors Office when construction of drainage infrastructure is complete. Drainage Assessment Fee's must be paid annually.**

Dated this 11th day of December 2022.

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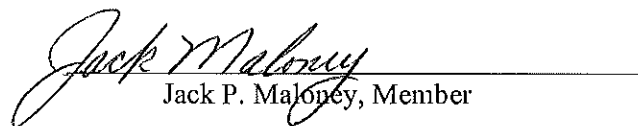
Bob Gentry, Member



Phyllis A. Palmer, Member



Dennis W. Dawes, Member



Jack P. Maloney, Member

E. Stanley Ryland, Member

ATTEST: _____
Gary W. Sowers II, Secretary



HENDRICKS COUNTY DRAINAGE BOARD

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Jack P. Maloney, Member
Stan Ryland, Member

January 11th, 2022

PRELIMINARY

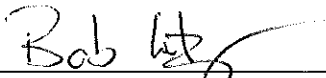
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145 lots on 22.818 acres in Lincoln Township, S23-T16N-R1E, located on the eastside of South Green Street, approximately 193 feet north of County Road 350 North in the Town of Brownsburg. **(Banning Engineering) No Regulated Drain.**

Dear Board Members:

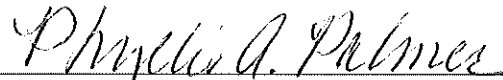
The Hendricks County Drainage Board, in their meeting of January 11th, 2022, moved to grant **Continuance** for **S-3-22 (Trailside)** to the February 8th, 2022, meeting of the Drainage Board:

Dated this 11th, day of January 2022.

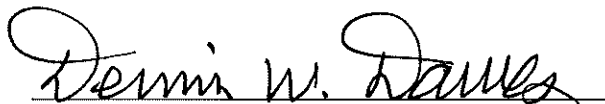
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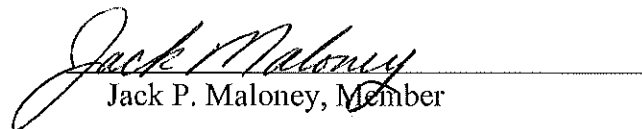
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ATTEST: _____
Gary W. Sowers II, Secretary



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Jack P. Maloney, Member

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ATTEST: Gary W. Sowers II, Secretary



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Jack P. Maloney, Member

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ATTEST: _____
Gary W. Sowers II, Secretary



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MEMBERS:

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Phyllis A. Palmer, Member
Dennis W. Dawes, Member

Jack P. Maloney, Member
E. Stanley Ryland, Member

January 11th, 2022

PRELIMINARY

RE: *S-14-21 (Brownsburg Senior Living) – Brownsburg*
1 lot on 12.15 acres in Lincoln Township, S27-T16N-R1E, located on the southwest corner of State Road 267 and Northfield Drive in the Town of Brownsburg. (*Innovative Engineering*) – *New England Way South Regulated Drain, \$100.00 per acre assessment Outlet Only.*

The Hendricks County Drainage Board, in their meeting of January 11th, 2022, moved to grant **PRELIMINARY APPROVAL** for *S-14-21 (Brownsburg Senior Living)* as recommended by the Hendricks County Surveyor's Office letter dated January 10th, 2022, and subject to the conditions therein:

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Dennis W. Dawes, Member

Jack P. Maloney, Member

E. Stanley Ryland, Member

ATTEST: _____
Gary W. Sowers II, Secretary



HENDRICKS COUNTY DRAINAGE BOARD

MEMBERS:

Bob Gentry, Member
Phyllis A. Palmer, Member
Dennis W. Dawes, Member

Jack P. Maloney, Member
Stan Ryland, Member

January 11th, 2022

PRELIMINARY

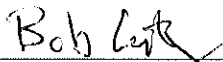
Re: S-9-21 (Bellwood formerly Millstone) – Avon
116 lots on 65.872 acres in Washington Township, S14-T15N-R1E, located on the southside of County Road 100 South, approximately 1,313 feet east of South Avon Avenue in the Town of Avon. (HWC Engineering) – **George Mercer Regulated Drain \$50.00 per lot outlet only.**

Dear Board Members:

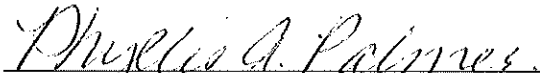
The Hendricks County Drainage Board, in their meeting of January 11th, 2022, moved to grant a **FINAL Continuance** for **S-9-21 (Bellwood formerly Millstone)** to the February 8th, 2022, meeting of the Drainage Board:

Dated this 11th, day of January 2022.

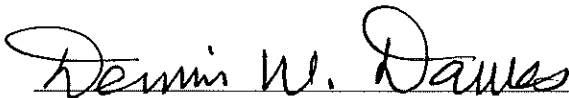
HENDRICKS COUNTY DRAINAGE BOARD:



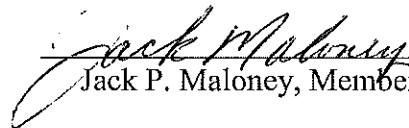
Bob Gentry, Member



Phyllis A. Palmer, Member



Dennis W. Dawes, Member



Jack P. Maloney, Member

E. Stanley Ryland, Member

ATTEST: _____
Gary W. Sowers II, Secretary



HENDRICKS COUNTY DRAINAGE BOARD

MEMBERS:

Bob Gentry, Member
Phyllis A. Palmer, Member
Dennis W. Dawes, Member

Jack P. Maloney, Member
Stan Ryland, Member

January 11th, 2022

PRELIMINARY & FINAL

Re: S-4-22 (Dollar General) – Brownsburg
1 lot on 1.19 acres in Lincoln Township, S22-T16N-R1E, located on the westside of South Green Street, approximately 377 feet south of Airport Road in the Town of Brownsburg, (Hamilton Designs) **Nash Trucksess Regulated Drain \$100.00 per acre Outlet Only.**

Dear Board Members:

The Hendricks County Drainage Board, in their meeting of January 11th, 2022, moved to grant **Continuance** for **S-4-22 (Dollar General)** to the February 8th, 2022, meeting of the Drainage Board:

Dated this 11th, day of January 2022.

HENDRICKS COUNTY DRAINAGE BOARD:

Bob Gentry, Member

Phyllis A. Palmer, Member

Dennis W. Dawes, Member

Jack P. Maloney, Member

E. Stanley Ryland, Member

ATTEST: _____
Gary W. Sowers II, Secretary



Hendricks County Surveyor

DAVID L. GASTON, P.S.

January 10th, 2022

PRELIMINARY

RE: S-9-21 (Bellwood formerly Millstone) – Avon
116 lots on 65.872 acres in Washington Township, S14-T15N-R1E, located on the southside of County Road 100 South, approximately 1,313 feet east of South Avon Avenue in the Town of Avon. **(HWC Engineering) – George Mercer Regulated Drain \$50.00 per lot outlet only.**

I recommend this project be granted a **FINAL** Continuance to the February 8th, 2021, Drainage Board meeting. This will allow the project engineer time to address the following comments from the review firm.

1.0 Variances/Encroachments

1. It is not clear from the submitted plans if the planned improvements will encroach into the George E. Mercer Regulated Drain easement. The applicant must show where the regulated drain easement limits exist in relation to the planned improvements.

2.0 Stormwater Quantity

1. Plans show Lake #3 outlet apparently tying into the George E. Mercer regulated drain tile. This tile is not an adequate outlet. The applicant will need to consider other outlet options for Lake #3. Any option that outlets to the south may need to consider the impact to the apparent existing detention pond located to the north of CR 150 South.
2. Details for Lake #3 outlet structure should be provided for comparison to the model input.

Very truly yours,

A handwritten signature in black ink, appearing to read "David L. Gaston".

David L. Gaston, P.S.
Hendricks County Surveyor



Hendricks County Surveyor

DAVID L. GASTON, P.S.

January 10th, 2021

Preliminary

RE: S-14-21 (Brownsburg Senior Living) – Brownsburg
1 lot on 12.15 acres in Lincoln Township, S27-T16N-R1E, located on the southwest corner of Green Street (State Road 267) and Northfield Drive in the Town of Brownsburg. ***(Innovative Engineering) – New England Way South Regulated Drain, \$100.00 per acre assessment Outlet Only.***

Dear Board Members:

Based on the review by the Hendricks County Surveyor's Office and Hendricks County Staff, the following items were noted:

Specific Conditions:

A new senior living facility, and associated parking and drives is proposed on approximately 12.15-acre tract of land on the southwest corner of Northfield Drive and Green Street (Sr 267) in the Town of Brownsburg. The site is in Section 27, Township 16 North, Range 1 East in Lincoln Township. The project is located within the corporate limits of the Town of Brownsburg. Therefore, only the impacts to the county were reviewed (outlet only). In developed conditions, two detention basins; one dry and one wet will be constructed to control developed runoff. The final outlet for the project will be from the western wet basin to an existing UNT stream on the west side of the project site. The project is within a Hendricks County Restricted Release Rate Watershed.

This project was previously reviewed in a memorandum dated November 12, 2021. Based on the most recently provided information, the submittal appears to be in substantial compliance with the requirements of the Hendricks County Stormwater Management Ordinance and the Hendricks County Stormwater Technical Standards Manual. Therefore, a recommendation for preliminary approval of the stormwater management plan can be given at the January 11, 2022, Hendricks County Drainage Board meeting.

On future projects, please do not present multiple storm event results for the SCS Type II 24-Hour Rainfall Distribution. It is not a multiple storm event distribution. The Brownsburg section you quote 151.21.C.1.a.ii is mis-leading (*Storm durations shall be used that maximize the peak flow for the pre-developed condition and maximize detention storage volume for the post-developed condition*) since the SCS Type II 24-Hour Distribution is to be used per the Technical Standards and is a single storm event that will give you higher and more conservative runoff results, than a multiple storm event, like the Huff Distribution. The existing results as presented should be revised in your final report and only report results from the 24-hour storm.

When final plans are submitted, the emergency spillway and elevations are to be shown on the grading plan for West Pond to confirm overflow to the northwest. The current grades appear to show overflow to the southeast from the West Pond, as no spillway is shown on the plans.

There are no variances or regulated drain encroachments proposed with this project. The final plans and drainage report are to be certified.

General Conditions:

1. The proposed plans must include erosion control measures as noted in the Hendricks County Stormwater Management Handbook January 2017 Edition. Erosion and sediment control measures must adhere to, or exceed, those shown on the development plans per requirements of all the ordinances within the Hendricks County Stormwater Management Handbook as well as IDEM Rule 5 – Stormwater run-off associated with construction activity and any violation of the above referenced rules will be the responsibility of the developer.
2. The owner of the land proposed for development is fully responsible for compliance with all the requirements and standards contained within the Hendricks County Stormwater Management Handbook, and as such, regardless of any deficient aspect of the design being listed in this letter of review.
3. The Hendricks County Surveyor's Office has reviewed this project based on the plans submitted by the developer and the project surveyor/engineer. These plans were reviewed for general compliance with the Hendricks County Stormwater Management Handbook. We have assumed the project surveyor/engineer has followed all appropriate engineering methods in this design. Any drainage problems associated with this project caused by poor construction by the contractor, poor engineering design, or judgment, either on site or off site, are the responsibility of the developer and the project engineer.
4. The Hendricks County Surveyor's Office must be notified at least seventy-two (72) hours prior to any site improvement being installed.
5. This project is subject to the National Pollution Discharge Elimination System (NPDES) regulations covering storm water quality. A Notice of Intent (NOI) must be on file with the Indiana Department of Environmental Management (IDEM) prior to any land disturbance and construction activities on this project.
6. IDEM approval documentation must be submitted to the clean water department prior to construction.
7. The applicant should note that this approval is for this drainage review only and should not be construed as a building permit or a waiver of any other applicable provisions of local zoning ordinances, utility regulations, or building codes.
8. The issuance of this drainage approval does not relieve the property owner of the responsibility to obtain all other applicable permits, easements, or approvals that may be required for this project.
9. No error or omission in the plans, calculations, or applications shall permit or release the applicant and the surveyor/engineer/ or designer from constructing this work in any other manner than that is provided for in the Hendricks County Stormwater Management Handbook.
10. The applicant shall pay all Drainage Review fees if applicable. These fees must be paid prior to the release of the letter of approval by the Hendricks County Drainage Board.
11. **As-Built plans are required to be submitted to the Surveyors Office when construction of drainage infrastructure is complete.**

Recommendation:

- 1) I recommend that the Hendricks County Drainage Board grant ***PRELIMINARY APPROVAL*** subject to the conditions of this letter, all the requirements and conditions of the Hendricks County Stormwater Management Handbook, January 2017 Edition and Plan Commission or Town Planning approval.
- 2) This project is in the watershed of the **New England Way South Regulated Drain**, and I recommend an annual assessment of \$100.00 per acre assessment Outlet Only.

Very truly yours,



David L. Gaston P.S.
Hendricks County Surveyor



Hendricks County Surveyor

DAVID L. GASTON, P.S.

January 10th, 2021

Preliminary

RE: S-1-22 (Brookstone) – Avon

152 lots on 80.78 acres in Washington Township, S6-T15N-R2E, located on the southside of County Road 100 North, approximately 1,896 feet east of County Road 900 E in the Town of Avon. **(HWC Engineering) Alfred Cox Regulated Drain \$50.00 per lot Outlet Only.**

Dear Board Members:

Based on the review by the Hendricks County Surveyor's Office and Hendricks County Staff, the following items were noted:

Specific Conditions:

Brookstone Subdivision is a proposed 152 lot single family development on approximately 88-acres. The site is located on the south side of County Road 100 North, approximately 0.75 miles west of North Ronald Regan Parkway in the Town of Avon. The site is in Section 6, Township 15 North, Range 2 East in Washington Township. The project is located within the corporate limits of the Town of Avon. Therefore, only the impacts to the regulated drain(s) were reviewed (**outlet only**). In existing conditions, most of the site flows east into the Avon Trails Subdivision. The developers of Avon Trails provided for approximately 90 acres of offsite onto their site. A small portion of the southwest corner includes a wooded area where the Feeney Regulated Drain passes through. This southwest corner will remain undeveloped and was not included in development the allowable release rates for the site. In developed conditions, four new wet detention basins will be constructed to control developed runoff. The northern half of the site will be directed into Ponds 1 and 2 that will be interconnected. Pond 1 will be the final release point, discharging directly into the western pond in Avon Trails with a new storm sewer. The southern half of the site will be directed into Ponds 3 and 4 that will be interconnected. Pond 3 will be the final release point, discharging into an overflow bypass channel in the Avon Trails Subdivision that ultimately discharges into an existing pond in the southeast corner of Avon Trails, Section 5. The project is within a Hendricks County Restricted Release Rate Watershed.

Based on the provided information, the submittal appears to be in substantial compliance with the requirements of the Hendricks County Stormwater Management Ordinance and the Hendricks County Stormwater Technical Standards Manual. Therefore, a recommendation for preliminary approval of the stormwater management plan can be given at the January 11, 2022, Hendricks County Drainage Board meeting

There are no variances or regulated drain encroachments proposed with this project. The final plans and drainage report are to be certified.

General Conditions:

1. The proposed plans must include erosion control measures as noted in the Hendricks County Stormwater Management Handbook January 2017 Edition. Erosion and sediment control measures must adhere to, or exceed, those shown on the development plans per requirements of all the ordinances within the Hendricks County Stormwater Management Handbook as well as IDEM Rule 5 – Stormwater run-off associated with construction activity and any violation of the above referenced rules will be the responsibility of the developer.
2. The owner of the land proposed for development is fully responsible for compliance with all the requirements and standards contained within the Hendricks County Stormwater Management Handbook, and as such, regardless of any deficient aspect of the design being listed in this letter of review.
3. The Hendricks County Surveyor's Office has reviewed this project based on the plans submitted by the developer and the project surveyor/engineer. These plans were reviewed for general compliance with the Hendricks County Stormwater Management Handbook. We have assumed the project surveyor/engineer has followed all appropriate engineering methods in this design. Any drainage problems associated with this project caused by poor construction by the contractor, poor engineering design, or judgment, either on site or off site, are the responsibility of the developer and the project engineer.
4. The Hendricks County Surveyor's Office must be notified at least seventy-two (72) hours prior to any site improvement being installed.
5. This project is subject to the National Pollution Discharge Elimination System (NPDES) regulations covering storm water quality. A Notice of Intent (NOI) must be on file with the Indiana Department of Environmental Management (IDEM) prior to any land disturbance and construction activities on this project.
6. IDEM approval documentation must be submitted to the clean water department prior to construction.
7. The applicant should note that this approval is for this drainage review only and should not be construed as a building permit or a waiver of any other applicable provisions of local zoning ordinances, utility regulations, or building codes.
8. The issuance of this drainage approval does not relieve the property owner of the responsibility to obtain all other applicable permits, easements, or approvals that may be required for this project.
9. No error or omission in the plans, calculations, or applications shall permit or release the applicant and the surveyor/engineer/ or designer from constructing this work in any other manner than that is provided for in the Hendricks County Stormwater Management Handbook.
10. The applicant shall pay all Drainage Review fees if applicable. These fees must be paid prior to the release of the letter of approval by the Hendricks County Drainage Board.
11. **As-Built plans are required to be submitted to the Surveyors Office when construction of drainage infrastructure is complete.**

Recommendation:

- 1) I recommend that the Hendricks County Drainage Board grant **PRELIMINARY APPROVAL** subject to the conditions of this letter, all the requirements and conditions of the Hendricks County Stormwater Management Handbook, January 2017 Edition and Plan Commission or Town Planning approval.
- 2) This project is in the watershed of the **Thomas Feeney Regulated Drain**, and I recommend an annual assessment of \$50.00 per lot assessment Outlet Only.

Very truly yours,



David L. Gaston P.S.
Hendricks County Surveyor



Hendricks County Surveyor

DAVID L. GASTON, P.S.

January 10th, 2021

Preliminary

RE: S-2-22 (Promenade) – Brownsburg

111 lots on 54.94 acres in Lincoln Township, S24-T16N-R1E, located at the southern terminus of Woodridge Street, approximately 438 feet west of Northfield Drive in the Town of Brownsburg.

(Banning Engineering) Garvey Neal Pollard Todd Regulated Drain \$50.00 per lot Outlet Only.

Dear Board Members:

Based on the review by the Hendricks County Surveyor's Office and Hendricks County Staff, the following items were noted:

Specific Conditions:

Promenade is a proposed residential subdivision that will contain 124 single family residential lots on approximately 54.2 acres. The site is located 0.3 miles east of Hornaday Road on the northwest corner of East County Road 300 North and Northfield Drive. The project is in Section 24, Township 16 North, Range 1 East in Lincoln Township. Since this project is within the Brownsburg corporate limits, only impacts to the regulated drain were reviewed (**outlet only**). Developed runoff will be conveyed through new inlets and storm sewers to three new wet detention basins (Ponds 1, 2, and 3). Pond 1 drains south to Pond 2 that will discharge south into the Pollard and Todd Regulated Drain. Pond 3 will discharge to the north into the Pollard and Todd Regulated Drain. The project is within a Hendricks County restrictive release-rate area. Based on the provided information, the submittal appears to be in substantial compliance with the requirements of the Hendricks County Stormwater Management Ordinance and the Hendricks County Stormwater Technical Standards Manual. Therefore, a recommendation for preliminary approval of the stormwater management plan can be given at the January 11, 2022, Hendricks County Drainage Board meeting.

The applicant is proposing a reduction of the Pollard and Todd Regulated Drain Easement through portions of the development from 75 feet to 50 feet. Proposed roads and a multi-use path/trail will encroach into the proposed reduced easement. At secondary submittal, the applicant will need to submit appropriate petitions and exhibits for the proposed reduction of the existing easement and encroachment into the reduced easement. The reductions and/or encroachments will require approval from the Hendricks County Drainage Board.

At secondary submittal, the proposed road culverts in the Pollard-Todd drain are to be included in the ICPR model and sized to prevent overtopping of the new roads. Review the existing conditions (onsite only) modeling results. The results are showing inflow at several stations upstream of 0+94.92 that are greater than the runoff from EX-3, the only upstream basin. For example, Sta.4+70.06 shows the 100-year inflow of 20.85 cfs. There may be some instability occurring in the model, due to the channel reaches.

The final plans and drainage report are to be certified.

General Conditions:

1. The proposed plans must include erosion control measures as noted in the Hendricks County Stormwater Management Handbook January 2017 Edition. Erosion and sediment control measures must adhere to, or exceed, those shown on the development plans per requirements of all the ordinances within the Hendricks County Stormwater Management Handbook as well as IDEM Rule 5 – Stormwater run-off associated with construction activity and any violation of the above referenced rules will be the responsibility of the developer.
2. The owner of the land proposed for development is fully responsible for compliance with all the requirements and standards contained within the Hendricks County Stormwater Management Handbook, and as such, regardless of any deficient aspect of the design being listed in this letter of review.
3. The Hendricks County Surveyor's Office has reviewed this project based on the plans submitted by the developer and the project surveyor/engineer. These plans were reviewed for general compliance with the Hendricks County Stormwater Management Handbook. We have assumed the project surveyor/engineer has followed all appropriate engineering methods in this design. Any drainage problems associated with this project caused by poor construction by the contractor, poor engineering design, or judgment, either on site or off site, are the responsibility of the developer and the project engineer.
4. The Hendricks County Surveyor's Office must be notified at least seventy-two (72) hours prior to any site improvement being installed.
5. This project is subject to the National Pollution Discharge Elimination System (NPDES) regulations covering storm water quality. A Notice of Intent (NOI) must be on file with the Indiana Department of Environmental Management (IDEM) prior to any land disturbance and construction activities on this project.
6. IDEM approval documentation must be submitted to the clean water department prior to construction.
7. The applicant should note that this approval is for this drainage review only and should not be construed as a building permit or a waiver of any other applicable provisions of local zoning ordinances, utility regulations, or building codes.
8. The issuance of this drainage approval does not relieve the property owner of the responsibility to obtain all other applicable permits, easements, or approvals that may be required for this project.
9. No error or omission in the plans, calculations, or applications shall permit or release the applicant and the surveyor/engineer/ or designer from constructing this work in any other manner than that is provided for in the Hendricks County Stormwater Management Handbook.
10. The applicant shall pay all Drainage Review fees if applicable. These fees must be paid prior to the release of the letter of approval by the Hendricks County Drainage Board.
11. **As-Built plans are required to be submitted to the Surveyors Office when construction of drainage infrastructure is complete.**

Recommendation:

- 1) I recommend that the Hendricks County Drainage Board grant **PRELIMINARY APPROVAL** subject to the conditions of this letter, all the requirements and conditions of the Hendricks County Stormwater Management Handbook, January 2017 Edition and Plan Commission or Town Planning approval.
- 2) This project is in the watershed of the **Garvey Neal Pollard Todd Regulated Drain**, and I recommend an annual assessment of \$50.00 per lot assessment Outlet Only.

Very truly yours,



David L. Gaston P.S.
Hendricks County Surveyor



Hendricks County Surveyor

DAVID L. GASTON, P.S.

January 10th, 2022

PRELIMINARY

RE: *S-3-22 (Trailside) – County (Brownsburg to Annex)*
145 lots on 22.818 acres in Lincoln Township, S23-T16N-R1E, located on the eastside of South Green Street, approximately 193 feet north of County Road 350 North in the Town of Brownsburg. **(Banning Engineering) No Regulated Drain.**

I recommend this project be granted a Continuance to the January 11th, 2021, Drainage Board meeting. This will allow the project engineer time to address the following comments from the review firm.

1. The applicant should provide additional information to confirm that the proposed pond will meet road and parking lot set-back requirements in Chapter 6, Section C.4 of the Hendricks County stormwater technical standards manual.

Very truly yours,

A handwritten signature in black ink, appearing to read "David L. Gaston".

David L. Gaston, P.S.
Hendricks County Surveyor



Hendricks County Surveyor

DAVID L. GASTON, P.S.

January 10th, 2021

Preliminary & Final

RE: DPR 422 (Twin Bridges High BTU) – County

1 lot on 8.0 acres in Center Township. S14-T15N-R1W, located on the eastside of County Road 150 East, approximately 979 feet south of County Road 75 South. **(Weihe Engineers) No Regulated Drain.**

Dear Board Members:

Based on the review by the Hendricks County Surveyor's Office and Hendricks County Staff, the following items were noted:

Specific Conditions:

The proposed project will consist of construction a new RNG facility consisting of a gravel base for gas purification equipment and control room on approximately 8 acres. The site is on the east side of County Road 150 East, south of County Road 75 South in Section 14, Township 15 North, Range 1 West in Center Township. Existing runoff from the site drains into the existing ditch on the property or to the west into an existing dry detention area. Proposed-condition runoff from the eastside of the site will be collected in swales, storm sewers, and sheet drain to a new dry detention basin on the northeast side of the site. The dry detention basin will outlet to the northwest into an existing drainage ditch. Runoff on the westside will be collected in swales and sheet drain to an existing dry detention area on the westside which outlets into the county road right-of-way ditch. The project is within a Hendricks County Restricted Release Rate area.

This project was previously reviewed in a memorandum dated December 16, 2021. Based on the most recently provided information, the submittal appears to be in substantial compliance with the requirements of the Hendricks County Stormwater Management Ordinance and the Hendricks County Stormwater Technical Standards Manual. Therefore, a recommendation for final approval of the stormwater management plan can be given at the January 11, 2022, Hendricks County Drainage Board meeting.

There are no variances or regulated drain encroachments proposed with this project. The final plans and drainage report are to be certified.

General Conditions:

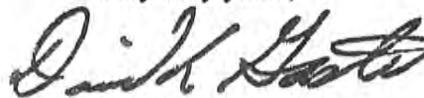
1. The proposed plans must include erosion control measures as noted in the Hendricks County Stormwater Management Handbook January 2017 Edition. Erosion and sediment control measures must adhere to, or exceed, those shown on the development plans per requirements of all the ordinances within the Hendricks County Stormwater Management Handbook as well as IDEM Rule 5 – Stormwater run-off associated with construction activity and any violation of the above referenced rules will be the responsibility of the developer.

2. The owner of the land proposed for development is fully responsible for compliance with all the requirements and standards contained within the Hendricks County Stormwater Management Handbook, and as such, regardless of any deficient aspect of the design being listed in this letter of review.
3. The Hendricks County Surveyor's Office has reviewed this project based on the plans submitted by the developer and the project surveyor/engineer. These plans were reviewed for general compliance with the Hendricks County Stormwater Management Handbook. We have assumed the project surveyor/engineer has followed all appropriate engineering methods in this design. Any drainage problems associated with this project caused by poor construction by the contractor, poor engineering design, or judgment, either on site or off site, are the responsibility of the developer and the project engineer.
4. The Hendricks County Surveyor's Office must be notified at least seventy-two (72) hours prior to any site improvement being installed.
5. This project is subject to the National Pollution Discharge Elimination System (NPDES) regulations covering storm water quality. A Notice of Intent (NOI) must be on file with the Indiana Department of Environmental Management (IDEM) prior to any land disturbance and construction activities on this project.
6. IDEM approval documentation must be submitted to the clean water department prior to construction.
7. The applicant should note that this approval is for this drainage review only and should not be construed as a building permit or a waiver of any other applicable provisions of local zoning ordinances, utility regulations, or building codes.
8. The issuance of this drainage approval does not relieve the property owner of the responsibility to obtain all other applicable permits, easements, or approvals that may be required for this project.
9. No error or omission in the plans, calculations, or applications shall permit or release the applicant and the surveyor/engineer/ or designer from constructing this work in any other manner than that is provided for in the Hendricks County Stormwater Management Handbook.
10. The applicant shall pay all Drainage Review fees if applicable. These fees must be paid prior to the release of the letter of approval by the Hendricks County Drainage Board.
11. **As-Built plans are required to be submitted to the Surveyors Office when construction of drainage infrastructure is complete.**

Recommendation:

- 1) I recommend that the Hendricks County Drainage Board grant ***PRELIMINARY & FINAL APPROVAL*** subject to the conditions of this letter, all the requirements and conditions of the Hendricks County Stormwater Management Handbook, January 2017 Edition and Plan Commission or Town Planning approval.

Very truly yours,



David L. Gaston P.S.
Hendricks County Surveyor



Hendricks County Surveyor

DAVID L. GASTON, P.S.

January 10th, 2022

PRELIMINARY & FINAL

RE: S-4-22 (Dollar General) – Brownsburg

1 lot on 1.19 acres in Lincoln Township, S22-T16N-R1E, located on the westside of South Green Street, approximately 377 feet south of Airport Road in the Town of Brownsburg, **(Hamilton Designs)**
Nash Trucksess Regulated Drain \$100.00 per acre Outlet Only.

I recommend this project be granted a Continuance to the January 11th, 2021, Drainage Board meeting. This will allow the project engineer time to address the following comments from the review firm.

1. Since underground detention is proposed for this site, the applicant should provide inlet sizing calculations showing that the 100-year runoff will be captured and conveyed to the detention facility.
2. The provided drainage report indicates that the off-site drainage area to the north will combine with the on-site runoff at Structure 108. However, based on the detail for the detention outlet structure, it appears that the off-site runoff will combine with the on-site runoff at Structure 107 and will be controlled by the proposed detention orifice. The applicant should clarify how the off-site will be drained and include the off-site runoff in the detention model, if needed.
3. The applicant should provide a schematic for the proposed detention modeling and a printout of the model input for verification of the values used.
4. The proposed site curve number of 83 appears low for this site. It appears that the curve number is based on 65% grass cover for the site.
5. The applicant should clarify the dimensions of the underground detention area on the plans. The "Storage Availability" detail on Sheet CG-101 should include the bottom and top elevations of the stone storage area. Also, for clarity, the trench widths should be indicated in the plan view on this same sheet.
6. Chapter 6, Section C.8 of the Stormwater Technical Standards indicates that "...if an outlet control structure includes an orifice to restrict the flow rate, such orifice shall be no less than 4 inches in diameter, even if the 4-inch diameter orifice results in a discharge that exceeds the predetermined maximum authorized peak flow release rates. However, note that the sizing of the pond must still be based on the more restrictive maximum allowable release rate." In addition to the reference above, there is a detention calculation sequence at the beginning of Chapter 6 of the Stormwater Technical Standards that indicates that "If the calculated orifice size of the main peak flow rate control storage outlet is less than the minimum orifice size allowed in this Technical Standards, designate the minimum orifice size on the construction plans, but do not go back and recalculate/redesign the storage space." This project is

under the jurisdiction of the Town of Brownsburg. Therefore, the applicant should refer to the Town of Brownsburg to confirm compliance with their requirements.

7. Detention facility stone size is listed as INDOT No. 5 which is typically 1-inch or smaller in diameter. To account for 40% voids, it should be verified that this is an appropriate stone type to use for the modeled porosity. The typical sizing has historically been No. 4 stone.

Very truly yours,

A handwritten signature in black ink, appearing to read "David L. Gaston". The signature is written in a cursive style with a large initial "D".

David L. Gaston, P.S.
Hendricks County Surveyor



Hendricks County Surveyor

DAVID L. GASTON, P.S.

January 10th, 2021

Final

RE: S-8-21 (Hidden Hills) – Pittsboro

32 lots on 40.69 acres in Middle Township, S31-T17N-R1E, located on the southside of East Wall Street, approximately 515 feet west of Declaration Drive in the Town of Pittsboro. **(Banning Engineering) Roseboom Regulated Drain \$100.00 per lot Outlet Only.**

Dear Board Members:

Based on the review by the Hendricks County Surveyor's Office and Hendricks County Staff, the following items were noted:

Specific Conditions:

Hidden Hills Subdivision is a proposed 220 lot single family development on approximately 128.4-acres. The site is located on the south side of County Road 750 North (E. Wall Street), approximately 0.75 miles west of County Road 550 East in the Town of Pittsboro. The site is in Section 31, Township 17 North, Range 1 East in Middle Township. The project is located within the corporate limits of the Town of Pittsboro. Therefore, only the impacts to the regulated drain(s) were reviewed (**outlet only**). In developed conditions, five new wet detention basins and one dry basin will be constructed to control developed runoff. The final outlet for the project will be to the Brumfield and Waters 6404 Regulated Drain open ditch and the UNT of the West Fork of White Lick Creek. The project is within a Hendricks County Restricted Release Rate Watershed.

Section 1 will be the first section of the development and will be in the north portion of the site. Section 1 will consist of 32 lots on approximately 22.0 acres. Approximately 100' of the tile arm and approximately 600 feet of open ditch (Brumfield and Waters 6404 Regulated Drain) enters the west side of the project site. The regulated portion ends and becomes a UNT of the West Fork of White Lick Creek that continues east through the middle of the site to the Enos and John Keeney Regulated Drain 3702, in the eastern portion of the site. The proposed project will not impact the Enos and John Keeney Regulated Drain 3702 open ditch. The proposed project outlets from the detention ponds into the Brumfield and Waters 6404 Regulated Drain open ditch and the UNT of the West Fork of White Lick Creek.

The project received preliminary approval at the October 12, 2021, Hendricks County Drainage Board meeting. This project was previously reviewed in a memorandum dated December 21, 2021. Based on the most recently provided information, the submittal appears to be in substantial compliance with the requirements of the Hendricks County Stormwater Management Ordinance and the Hendricks County Stormwater Technical Standards Manual. Therefore, a recommendation for final approval of the stormwater management plan can be given at the January 11, 2022, Hendricks County Drainage Board meeting. The applicant has submitted a petition to encroach into the Brumfield and Waters 6404 Regulated Drain easement for construction of the south bank of Pond 1 and the southwest corner of Lot 31 for a drainage swale. The petition will require approval from the Hendricks County Drainage Board.

The applicant has acknowledged that as the next sections to the south are developed, that they will coordinate with the Hendricks County Surveyor's Office to extend the Brumfield and Waters 6404 Regulated Drain easement covering the

open ditch to the Enos and John Keeney Regulated Drain 3702. The width of the regulated drain easement will be coordinated with the Hendricks County Surveyor's Office. There are no variances or regulated drain encroachments proposed with this project. The final plans and drainage report are to be certified.

General Conditions:

1. The proposed plans must include erosion control measures as noted in the Hendricks County Stormwater Management Handbook January 2017 Edition. Erosion and sediment control measures must adhere to, or exceed, those shown on the development plans per requirements of all the ordinances within the Hendricks County Stormwater Management Handbook as well as IDEM Rule 5 – Stormwater run-off associated with construction activity and any violation of the above referenced rules will be the responsibility of the developer.
2. The owner of the land proposed for development is fully responsible for compliance with all the requirements and standards contained within the Hendricks County Stormwater Management Handbook, and as such, regardless of any deficient aspect of the design being listed in this letter of review.
3. The Hendricks County Surveyor's Office has reviewed this project based on the plans submitted by the developer and the project surveyor/engineer. These plans were reviewed for general compliance with the Hendricks County Stormwater Management Handbook. We have assumed the project surveyor/engineer has followed all appropriate engineering methods in this design. Any drainage problems associated with this project caused by poor construction by the contractor, poor engineering design, or judgment, either on site or off site, are the responsibility of the developer and the project engineer.
4. The Hendricks County Surveyor's Office must be notified at least seventy-two (72) hours prior to any site improvement being installed.
5. This project is subject to the National Pollution Discharge Elimination System (NPDES) regulations covering storm water quality. A Notice of Intent (NOI) must be on file with the Indiana Department of Environmental Management (IDEM) prior to any land disturbance and construction activities on this project.
6. IDEM approval documentation must be submitted to the clean water department prior to construction.
7. The applicant should note that this approval is for this drainage review only and should not be construed as a building permit or a waiver of any other applicable provisions of local zoning ordinances, utility regulations, or building codes.
8. The issuance of this drainage approval does not relieve the property owner of the responsibility to obtain all other applicable permits, easements, or approvals that may be required for this project.
9. No error or omission in the plans, calculations, or applications shall permit or release the applicant and the surveyor/engineer/ or designer from constructing this work in any other manner than that is provided for in the Hendricks County Stormwater Management Handbook.
10. The applicant shall pay all Drainage Review fees if applicable. These fees must be paid prior to the release of the letter of approval by the Hendricks County Drainage Board.
11. **As-Built plans are required to be submitted to the Surveyors Office when construction of drainage infrastructure is complete.**

Recommendation:

- 1) I recommend that the Hendricks County Drainage Board grant **FINAL APPROVAL** subject to the conditions of this letter, all the requirements and conditions of the Hendricks County Stormwater Management Handbook, January 2017 Edition and Plan Commission or Town Planning approval.
- 2) This project is in the watershed of the **Roseboom Regulated Drain**, and I recommend an annual assessment of \$100.00 per lot assessment Outlet Only.

Very truly yours,



David L. Gaston P.S.
Hendricks County Surveyor



Hendricks County Surveyor

DAVID L. GASTON, P.S.

January 10th, 2021

Preliminary & Final

RE: MIP 1151 (Neier) – County

3 lots on 9.83 acres in Marion Township, S17-T15N-R2W, located on the westside of County Road 775 West, approximately 653 feet south of County Road 100 South. **(Kruse Consulting) No Regulated Drain.**

Dear Board Members:

Based on the review by the Hendricks County Surveyor's Office and Hendricks County Staff, the following items were noted:

Specific Conditions:

The subject parcel is to be platted as a 3 lot MIP. The property presently consists of agricultural field. There are currently no improvements on the site. Future improvements include three single family residences, three private wells, two private drives, and three private septic systems.

There are no variances or regulated drain encroachments proposed with this project. The final plans and drainage report are to be certified.

The project site currently consists of agricultural field. The proposed lot is mostly rectangular in shape. The dimensions of the overall parcel are approximately 645'x664'. There are no current improvements on the site. The site generally drains from East to West to an unnamed tributary of the Heritage Lake. The entire site ultimately drains to the Heritage Lake. The site appears to lie within the Zone "X-unshaded" area. The "X-unshaded" area is defined by FEMA as areas determined to be outside the 0.2% annual chance floodplain. Information as shown on FEMA FIRM Map 18063C0225D, dated September 25, 2009.

Future improvements include three single family residences, three private wells, two private drives, and three private septic systems.

No improvements will be performed in such a way as to change existing drainage patterns.

General Conditions:

1. The proposed plans must include erosion control measures as noted in the Hendricks County Stormwater Management Handbook January 2017 Edition. Erosion and sediment control measures must adhere to, or exceed, those shown on the development plans per requirements of all the ordinances within the Hendricks County Stormwater Management Handbook as well as IDEM Rule 5 – Stormwater run-off associated with construction activity and any violation of the above referenced rules will be the responsibility of the developer.

2. The owner of the land proposed for development is fully responsible for compliance with all the requirements and standards contained within the Hendricks County Stormwater Management Handbook, and as such, regardless of any deficient aspect of the design being listed in this letter of review.
3. The Hendricks County Surveyor's Office has reviewed this project based on the plans submitted by the developer and the project surveyor/engineer. These plans were reviewed for general compliance with the Hendricks County Stormwater Management Handbook. We have assumed the project surveyor/engineer has followed all appropriate engineering methods in this design. Any drainage problems associated with this project caused by poor construction by the contractor, poor engineering design, or judgment, either on site or off site, are the responsibility of the developer and the project engineer.
4. The Hendricks County Surveyor's Office must be notified at least seventy-two (72) hours prior to any site improvement being installed.
5. This project is subject to the National Pollution Discharge Elimination System (NPDES) regulations covering storm water quality. A Notice of Intent (NOI) must be on file with the Indiana Department of Environmental Management (IDEM) prior to any land disturbance and construction activities on this project.
6. IDEM approval documentation must be submitted to the clean water department prior to construction.
7. The applicant should note that this approval is for this drainage review only and should not be construed as a building permit or a waiver of any other applicable provisions of local zoning ordinances, utility regulations, or building codes.
8. The issuance of this drainage approval does not relieve the property owner of the responsibility to obtain all other applicable permits, easements, or approvals that may be required for this project.
9. No error or omission in the plans, calculations, or applications shall permit or release the applicant and the surveyor/engineer/ or designer from constructing this work in any other manner than that is provided for in the Hendricks County Stormwater Management Handbook.
10. The applicant shall pay all Drainage Review fees if applicable. These fees must be paid prior to the release of the letter of approval by the Hendricks County Drainage Board.
11. **As-Built plans are required to be submitted to the Surveyors Office when construction of drainage infrastructure is complete.**

Recommendation:

- 1) I recommend that the Hendricks County Drainage Board grant ***PRELIMINARY & FINAL APPROVAL*** subject to the conditions of this letter, all the requirements and conditions of the Hendricks County Stormwater Management Handbook, January 2017 Edition and the Hendricks County Planning Commission approval.

Very truly yours,



David L. Gaston P.S.
Hendricks County Surveyor



Hendricks County Surveyor

DAVID L. GASTON, P.S.

January 10th, 2021

Preliminary & Final

RE: MRP 133 (Yataco) – County

1 lot on 4.344 acres in Center Township, S25-T16N-R1W, located on the northwest corner of County Roads 250 East and 250 North. **(Kruse Consulting) Elizabeth Gentry Regulated Drain \$100.00 per lot Outlet Only.**

Dear Board Members:

Based on the review by the Hendricks County Surveyor's Office and Hendricks County Staff, the following items were noted:

Specific Conditions:

The subject 5.0 acres is to become a 1 lot Minor Residential Plat. The property presently consists of agricultural field. There are no existing improvements.

The project site currently consists of primarily agricultural areas. The site is generally rectangular with a flag driveway in shape, approx. 330x650'. The site generally drains to the east through a swale which bisects the property in the middle, the Elizabeth Gentry Legal Drain Tile runs west to east across the northern portion of the parcel. Both drainage methods cross under N CR 250 E and convert to a grassed waterway. The site appears to lie within a Zone "X-unshaded" area. The "X-unshaded" area is defined by FEMA as areas determined to be outside the 0.2% annual chance floodplain. Information as shown on FEMA FIRM Map 18063C0165D, dated September 25, 2009.

Proposed improvements of a single-family house, septic system, and potential future accessory structure shall come with the development of lot 1 and performed in such a way as to not change existing drainage patterns.

There are no variances or regulated drain encroachments proposed with this project. The final plans and drainage report are to be certified.

General Conditions:

1. The proposed plans must include erosion control measures as noted in the Hendricks County Stormwater Management Handbook January 2017 Edition. Erosion and sediment control measures must adhere to, or exceed, those shown on the development plans per requirements of all the ordinances within the Hendricks County Stormwater Management Handbook as well as IDEM Rule 5 – Stormwater run-off associated with construction activity and any violation of the above referenced rules will be the responsibility of the developer.
2. The owner of the land proposed for development is fully responsible for compliance with all the requirements and standards contained within the Hendricks County Stormwater Management Handbook, and as such, regardless of any deficient aspect of the design being listed in this letter of review.

3. The Hendricks County Surveyor's Office has reviewed this project based on the plans submitted by the developer and the project surveyor/engineer. These plans were reviewed for general compliance with the Hendricks County Stormwater Management Handbook. We have assumed the project surveyor/engineer has followed all appropriate engineering methods in this design. Any drainage problems associated with this project caused by poor construction by the contractor, poor engineering design, or judgment, either on site or off site, are the responsibility of the developer and the project engineer.
4. The Hendricks County Surveyor's Office must be notified at least seventy-two (72) hours prior to any site improvement being installed.
5. This project is subject to the National Pollution Discharge Elimination System (NPDES) regulations covering storm water quality. A Notice of Intent (NOI) must be on file with the Indiana Department of Environmental Management (IDEM) prior to any land disturbance and construction activities on this project.
6. IDEM approval documentation must be submitted to the clean water department prior to construction.
7. The applicant should note that this approval is for this drainage review only and should not be construed as a building permit or a waiver of any other applicable provisions of local zoning ordinances, utility regulations, or building codes.
8. The issuance of this drainage approval does not relieve the property owner of the responsibility to obtain all other applicable permits, easements, or approvals that may be required for this project.
9. No error or omission in the plans, calculations, or applications shall permit or release the applicant and the surveyor/engineer/ or designer from constructing this work in any other manner than that is provided for in the Hendricks County Stormwater Management Handbook.
10. The applicant shall pay all Drainage Review fees if applicable. These fees must be paid prior to the release of the letter of approval by the Hendricks County Drainage Board.
11. **As-Built plans are required to be submitted to the Surveyors Office when construction of drainage infrastructure is complete.**

Recommendation:

- 1) I recommend that the Hendricks County Drainage Board grant **PRELIMINARY & FINAL APPROVAL** subject to the conditions of this letter, all the requirements and conditions of the Hendricks County Stormwater Management Handbook, January 2017 Edition and the Hendricks County Planning Commission.
- 2) This project is in the watershed of the **Elizabeth Gentry Regulated Drain**, and I recommend an annual assessment of \$100.00 per lot assessment Outlet Only.

Very truly yours,



David L. Gaston P.S.
Hendricks County Surveyor



HENDRICKS COUNTY DRAINAGE BOARD MEETING

1-11-22 INFO MEETING ATTENDANCE SHEET

PLEASE PRINT

<u>NAME</u>	<u>&</u>	<u>ADDRESS / COMPANY</u>
Tony Murrain		P.O. Box 182 Clayton, N Murrain Etc
Taylor Cooper		4310 W. CR 400 S Danville, IN Taylor Cooper Etc
Jeff Banning		Banning Engineering
Dale Kruse		Kruse Consulting
Bambo Burk		HWC Engineering
MARK TITORPE		WEIHE ENGINEERS
Jan Hahus		Burke
Dick Robentzen		STCA
GREG DEMPSEY		IMNNOVATIVE
Chris Pope		United Consulting
Matthew Alexander		Alexander Contractors
Kyle Eichhorn		HWC Engineering
Will Wyszatz		Konebrex
Tim Higbie		64 E Marion Danville 51st
Isaac Boatman		bx
D Arnett		Plainfield, IN

Turn over for additional lines