

Planning Commission

Michael Mitchell, Vice-Chairperson Michelle LaRose, Commissioner

Larry Fox, Chairperson Joseph W. Colaianne, Trustee Keith Voight, Secretary Sue Grissim, Commissioner Tom Murphy, Commissioner

Planning Commission Meeting Agenda Hartland Township Hall Thursday, June 11, 2020 7:00 PM

- 1. Call to Order
- 2. Pledge of Allegiance
- 3. Roll Call
- Approval of the Agenda 4.
- 5. **Approval of Meeting Minutes** a. Planning Commission Minutes of March 26, 2020
- Call to Public 6.
- Old and New Business 7.
 - a. Site Plan #20-004 Private Road (Bella Vita)
- 8. Call to Public
- Planner's Report 9.
- 10. Committee Reports
- 11. Adjournment

HARTLAND TOWNSHIP PLANNING COMMISSION REGULAR MEETING DRAFT MINUTES March 26, 2020 – 7:00 PM

1. <u>Call to Order:</u> Chair Fox called the meeting to order at 7:00 p.m.

2. <u>Pledge of Allegiance:</u>

3. Roll Call and Recognition of Visitors:

Present – Commissioners Fox, Colaianne, LaRose, Mitchell, Murphy, Absent – Commissioner Grissim, Voight

4. <u>Approval of the Meeting Agenda:</u>

A Motion to approve the March 26, 2020 Planning Commission Meeting Agenda was made by Commissioner Colaianne and seconded by Commissioner Mitchell. Motion carried unanimously.

5. <u>Approval of Meeting Minutes:</u>

a. Planning Commission Work Session Minutes of March 12, 2020

A Motion to approve the Meeting Minutes of March 12, 2020 was made by Commissioner Colaianne and seconded by Commissioner Murphy. Motion carried unanimously.

6. <u>Call to the Public:</u>

None

7. Old and New Business:

a. Site Plan #20-002 Koppert Biological Systems-Building Addition - a request to amend the original site plan and construct an approximate 19,220 square foot addition to the existing building at 1502 Old US-23 including approval of the off-street parking deferral and architectural waiver requests.

Director Langer summarized the request and location stating the following:

- Located on the east side of Old US-23, between Old US-23 and US-23, in Section 28 of Hartland Township.
- Approximate 5.54-acre site is zoned LI-Light Industrial.
- Addition to south end of the building.
- Requesting off-street parking deferral and architectural waiver in order to match existing building.

The Applicant's representative, Kent S. Burzynski, President of Schonsheck, Inc., introduced himself stating they are an essential service and are anxious to begin this project.

Chair Fox referred to the staff memorandum dated March 19, 2020.

Off-Street Parking

The Applicant has indicated they are not adding much staff, two to three people, so there would not be a great need for additional parking at this time.

Director Langer mentioned there is an existing water main on the site where maintenance could affect a required future parking area.

Commissioner LaRose asked if, in the future, they chose to add the additional parking, would they have to come back to the Planning Department. Director Langer stated they would, but he is unsure if it would have to be reapproved by the Planning Commission as well. Commissioner LaRose stated she fully supports not over building parking lots that could have an impact on drainage, she wanted to be sure ADA parking requirements and other standards would be reviewed and followed if more parking was added in the future.

Commissioner Murphy wanted to confirm the information shows they could build the extra parking if required later. Director Langer stated it does. Chair Fox concurred.

The Planning Commission approved the parking waiver request.

Architectural Building Materials

Director Langer stated the following:

- Attempting to match existing materials.
- Using PEMB insulated steel siding and EFIS on all three (3) sides of the proposed building addition.

Chair Fox added on the south and west sides, they have scored block painted to match. He continued stating he was on the Planning Commission for the previous addition and they encouraged the use of similar materials for continuity. They did a good job at that time and are proposing the same at this time. The Applicant confirmed.

The Planning Commission approved the Architectural façade materials waiver request.

Commissioner Colaianne offered the following Motion:

Move to approve Site Plan Application #20-002, a request to amend the original site plan and construct an approximate 19,220 square foot addition to the existing building at 1502 Old US-23 (Koppert Biological Systems), including approval of the off-street parking deferral and architectural waiver requests. Approval is subject to the following conditions:

- **1.** The applicant shall adequately address the outstanding items noted in the Planning Department's memorandum, dated March 19, 2020, on the Construction Plan set, subject to an administrative review by the Planning staff prior to the issuance of a land use permit.
- 2. Applicant complies with any requirements of the Township Engineering Consultant, Department of Public Works Director, Hartland Deerfield Fire Authority, and all other government agencies, as applicable.

Seconded by Commissioner Murphy. Motion carried unanimously.

8. <u>Call to the Public:</u>

None

9. <u>Planner Report:</u>

None

10. <u>Committee Reports:</u>

None

11. Adjournment:

A Motion to adjourn was made by Commissioner Mitchell and seconded by Commissioner LaRose. Motion carried unanimously. The meeting was adjourned at approximately 7:16 PM.

Hartland Township Planning Commission Meeting Agenda Memorandum

Submitted By:Troy Langer, Planning DirectorSubject:Site Plan #20-004 Private Road (Bella Vita)Date:June 4, 2020

Recommended Action

Move to recommend approval of Site Plan Application #20-004, a request to construct a private road which is intended to provide access to four (4) parcels, which will be created under a separate land division application. The recommendation for approval is based on the following findings:

- 1. The length of the proposed private road is acceptable as proposed, despite being in excess of 600 feet in length, despite having only one point of public access, and despite the lack of access easements for a future private road connection to any adjacent developable parcels.
- 2. The proposed private road meets the minimum standards as outlined in the Zoning Ordinance.
- 3. Due to the unique shape of the subject property the proposed private road is consistent with the Township Standards for developing the property.

Approval is subject to the following conditions

- 1. The proposed private road is subject to approval by the Township Board.
- 2. The applicant shall adequately address the outstanding items noted in the Planning Department's memorandum, dated June 4, 2020. Revised plans if necessary, shall be subject to an administrative review by the Planning staff prior to the issuance of a land use permit.
- 3. The proposed private road easement maintenance agreement shall comply with the requirements of the Township Attorney.
- 4. Approval of the private road does not include approval of any future land divisions.
- 5. A land use permit for the proposed private road is required.
- 6. The private road shall be constructed in accordance with Hartland Township standards and specifications prior to the issuance of any land use permit by Hartland Township for Parcel 1, Parcel 2, Parcel 3, or Parcel 4.
- 7. Applicant complies with any requirements of the Department of Public Works Director, Township Engineering Consultant (HRC), Hartland Deerfield Fire Authority, and all other government agencies, as applicable.
- 8. (Any other conditions the Planning Commission deems necessary)

Site Plan #20-004 Bella Vita Private Road June 4, 2020 Page 2

Discussion

Applicant: Chuck Sekrenes

Site Description

The subject property, approximately 20.7 acres in size, is located on the north side of Highland Road, east of Arena Drive in Section 22 of the Township (Parcel ID #4708-22-200-018). The site has split zoning with approximately five (5) acres zoned GC-General Commercial at the south end of the site along Highland Road. The remaining property to the north, approximately 15.7 acres, is zoned CA-Conservation Agricultural. In 2017 the Township approved the construction of an approximate 41,500 square foot nursing home (Bella Vita Senior Living Facility) under Site Plan with Special Land Use Application #17-016. The Bella Vita facility is located in the area zoned CA and is currently under construction.

The property, in its current configuration (20.7 acres), has approximately 565 feet of frontage along Highland Road. The approved plans for Bella Vita (SP/SUP #17-016) shows a paved, private access drive, from Highland Road to the northern end of the facility's parking lot. The private access drive is constructed with curb and gutter and is approximately 30 feet wide (total width, back of curb to back of curb). The access drive was constructed per private road standards. Inspections have been made during the construction phase by the Township Engineering consultant, who has confirmed the access drive is consistent with the approved plans.

The northern portion of the subject property is designated as Multiple Family Residential on the Township's Future Land Use Map. The southern portion is designated as Office.

The Multiple Family Residential designation is intended to permit attached single-family homes, townhouses, or one to two story apartment buildings. Multiple Family Residential areas are intended to permit developments with a maximum density of eight (8) units per acre.

The surrounding adjacent properties on the west are zoned GC-General Commercial. Adjacent properties to the north and east are zoned CA-Conservation Agricultural.

Project Summary

The applicant is proposing to have the recently constructed private access drive to be classified as a private road, along with approval of an approximate additional 280 feet of private road that extends north of the existing private access drive and ends in a cul-de-sac. The access drive was approved as part of the Bella Vita Senior Living Facility, under Site Plan Application/Special Use Permit #17-016. On the approved Bella Vita site plan the approximate 860-foot long private drive provides access from Highland Road to the Bella Vita facility's parking lot.

The existing access drive was already constructed and inspected to comply with the Private Road standards; however, the dedication of the drive to become a Private Road requires a recommendation by the Planning Commission to the Township Board, with the final decision by the Township Board.

The proposed paved private road is the same design as the private access drive, having the same total width of 30 feet, which includes curb and gutter. A 66-foot wide easement for ingress/egress is shown on the proposed private road plan for the entire length of the private road.

Upon approval of the private road the applicant anticipates they will divide the approximate 20.7-acre property into four (4) parcels, which will be created under a separate land division application. The four

Site Plan #20-004 Bella Vita Private Road June 4, 2020 Page 3

(4) parcels are labeled on the proposed site plan, with the parcel size noted for each parcel. Currently the site has split zoning with approximately five (5) acres zoned GC-General Commercial at the south end of the site. Parcel 1 and Parcel 2 are located in this area (GC zoning), and each have frontage on Highland Road and the proposed private road.

The remaining property, approximately 15.7 acres, is zoned CA-Conservation Agricultural. Bella Vita Senior Living Facility, shown as Parcel 3. Bella Vita has access from the proposed private road.

Parcel 4 is located north of Parcel 3 (Bella Vita) and has access from the proposed cul-de-sac associated with the private road. Parcel 4 is zoned CA. The proposed private road ends in a cul-de-sac within Parcel 4. Per the submitted plan the future parcels range in size from approximately 1.25 to 9.58 acres.

Per the Township's Zoning Ordinance, the Township's Land Division Ordinance, and the State's Land Division Act, a new property cannot be created that does not have frontage on a public road, private road, or shared driveway. The current request is seeking approval for a private road. A private road requires a recommendation by the Planning Commission to the Township Board, with the final decision by the Township Board.

Review Procedure for the Private Road

The applicant is requesting approval for a private road, a portion of which was originally constructed as a private access drive, as approved for the Bella Vita project (SP #17-016). The private road is intended to serve the Bella Vita facility and future businesses having access from the private road. Four (4) parcels are to be created under a separate land division application. Section 5.23 of the Zoning Ordinance provides review and approval standards and procedures for private roads. Private roads require review by the Planning Commission with a recommendation to the Township Board, who makes the final decision.

This memorandum will outline the requirements for a private road and discuss the proposed plan for its compliance with the ordinance standards.

Section 5.23 of the Zoning Ordinance outlines that a land division cannot be approved prior to approval of a private road application. As a note, the Planning Commission will not approve the actual land division; however, the Planning Commission has the authority to recommend approval of a private road to the Township Board. The private road will provide the legal access and the required lot width for the proposed land divisions that will not have direct access to Highland Road. The land division request and application will be reviewed and approved administratively, if and when the private road is approved, constructed, and accepted.

Private Road Standards

The proposed paved private road is accessed from Highland Road and will provide access to four (4) parcels. The applicant is proposing a 26-foot wide paved road surface, with curb and gutter. The total road width is 30 feet. The proposed private road is located within a 66-foot ingress/egress easement. The private road ends in a cul-de-sac circle, which has a 50-foot radius. The length of the private road is approximately 1,000 lineal feet.

Following is an overview of the standards for a private road as they exist in the Zoning Ordinance. For further clarification please refer to the applicable section in the Zoning Ordinance. Staff has provided comments on various sections, outlined in italics.

• Section 2 of the Township's Zoning Ordinance defines the term "Road, Private" as any road that is to be privately maintained and has not been accepted for maintenance by the Livingston County Road

Commission or the State of Michigan, but which meets the requirements of this Ordinance, or has been approved as a private road by the Township. *The applicant intends to construct and maintain the road as a private road and has provided a draft form of a private road and easement maintenance agreement.*

• Section 5.2 of the Township's Zoning Ordinance requires all lots that are created shall have frontage on an improved public or private road, or shared driveway. The frontage shall be maintained for the full required width of the lot or parcel in accordance with the minimum width specifications established in Section 3.1. The submitted plan shows the proposed private road is intended to provide access to four (4) parcels. Based on the submitted plan, the four (4) proposed parcels have frontage along the private road. Parcel 1 and Parcel 2 have frontage along Highland Road as well. CA requires 200 feet of lot width and a 2-acre lot size for single-family detached. GC requires 120 feet lot width and a minimum 20,000 square foot lot size if the lot has public water and sewer. Lot width is measured at the front yard setback line. In this case the required front setback is 80 feet from the street right-of way for Highland Road, and 50 feet from the 66-foot wide easement for the proposed private road.

The plan appears to comply with the CA-Conservation Agricultural and GC-General Commercial zoning district requirements with regards to the minimum lot width and lot area requirements, with the exception of Parcel 1, which does not meet the required lot width of 120 feet along Highland Road. The lot width is shown as 99.41 feet, as measured at the required front setback line (80 feet from the ROW for Highland Road). Parcel 1 does meet the lot width requirement along the private road, where access to the parcel is proposed. Further review of the plan for compliance with the CA and GC standards will occur as part of the land division request. Following is a summary of the proposed parcels:

	Parcel 1 (GC zoning)	Parcel 2 (GC zoning)	Parcel 3 (CA zoning)	Parcel 4 (CA zoning)
Lot Width				
(Approx.) Required	120 feet	120 feet	200 feet	200 feet
Proposed	99.41 feet*	212.53 feet*	200 Jeel NA	200 Jeei NA
Proposed	168.84 feet**	261.45 feet**	560 feet **	244.2 feet**
Lot Size				
Required	20,000 SF	20,000 SF	2 acres	2 acres
Proposed	1.25 acres	2.91acres	6.80 acres	9.58 acres

*Lot width along Highland Road ** Lot width along proposed private road

- Section 5.23. Outlines the standards for a private road. A complete application is required and includes the application; construction plans for the private road; private road easement; easement maintenance agreement; and proof of ownership. *The application includes the request for the private road*.
- Section 5.23.4. Outlines the construction plan requirements for a private road. Section 5.23.4.B.x.

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requires a proposed cross section drawing showing the type and depth of base and surface materials of the proposed private road. *The applicant has provided a cross section drawing of the private road.*

- Section 5.23.4.B.xi. Requires a proposed method of surface drainage and design calculations including storm water detention or retention systems or facilities. *The private access drive and storm water detention were approved under SP/SUP #17-016. The Township's Engineer has been reviewing these details since the private access drive is currently under construction. Additional review will occur upon submittal of the construction plans for the private road.*
- Section 5.23.4.B.xii. Requires proposed public and private utility locations. *The applicant has not provided this information. The private access drive is currently under construction.*
- Section 5.23.4.C. Requires a construction cost estimate. *The applicant has not provided this information for the portion of the private that has not been constructed.*
- Section 5.23.5. Outlines the minimum private road standards as follows:
 - A. A private road is to be constructed consistent with the public road requirements of the Livingston, except as otherwise permitted in this Section. *Confirmation by the Township's Engineer will occur with the review of the construction plans.*
 - B. Private roads shall conform to the minimum standards based upon the number of parcels to be served by the private road. The number of units or parcels shall be as determined by the Township, based upon the projected potential development within the context of the Township's adopted Comprehensive Plan or zoning regulations, whichever is greater. For a private road serving 3-12 parcels or lots, a gravel road is acceptable. Minimum easement width of 66 feet is required; minimum road surface width of 26 feet; and total width of 30 feet. The required cul-desac radius is 50 feet.

The applicant is proposing a 30-foot wide paved, private road with curb and gutter, with a paved road surface of 26 feet. The proposed cul-de-sac radius is 50 feet, which complies. The proposed private road will serve four (4) parcels. The cross section of the private road on the submitted plan complies with the minimum road surface material and design for a private road with 3 to 12 parcels. The Township's Engineer will review the construction plans for compliance with the required standards.

C. Standards. All private roads shall comply with the geometric, design, construction, and other standards outlined in this section. *The Township's Engineer will review the construction plans for compliance with the required standards*.

iii. Cul-de-sac circles & T-Turnarounds. A cul-de-sac circle is allowed to provide access to no more than four dwellings in total, inclusive of all dwellings accessed by driveways, shared driveways and easements. The Planning Commission may require a landscaped island in the center of the cul-de-sac circle. *The proposed private road/cul-de-sac provides access to 4 parcels. The Township's Engineer will review the construction plans for compliance with the required standards.*

D. Drainage. The private road easement shall include a drainage easement and design features that adequately drain the roadway to prevent flooding or erosion of the roadway and adjoining land. *The private access drive and storm water detention was approved under SP/SUP #17-016. The*

Township's Engineer will review the construction plans for compliance with the required standards.

E. Road Connections. All private roads shall be designed to form a safe and efficient road network. Accordingly, private roads should connect to existing public and private roads whenever feasible in the Township's sole determination. Private roads should also be designed to connect to planned or anticipated future public or private roads. Cul-de-sac roads longer than 600 feet should be avoided unless connection to a through road is likely in the future. Private roads longer than 600 feet shall provide one or more additional easements which shall extend from the primary private road easement to the adjoining parcels, unless the Township determines it would be impractical or not beneficial to connect to existing or future public or private roads on adjoining parcels. *The proposed private road connects to Highland Road which is under the jurisdiction of the Michigan Department of Transportation (MDOT). The entrance drive from Highland Road was previously approved as part of the Bella Vita project (SP/SUP #17-016) for the construction of the private access drive. No further approvals from MDOT are required for the private road.*

The proposed private road is approximately 1,000 feet in length and thus exceeds the maximum allowed length of 600 feet for a private road. Additionally, the plan does not provide connection to another road, existing or future road. See additional comments at the end of this section.

- F. Easements. A Private Road Easement Agreement in recordable form is required and shall be in substantial compliance with the Model Private Road Easement Agreement maintained by the Township. The following items are to be provided:
 - i. Legal description of the private road easement. *The applicant has provided this information*.
 - ii. Emergency and public vehicle access. The easement shall provide for unrestricted access for emergency and public vehicles used in performance of necessary public services. *The applicant's draft form of the road and easement maintenance agreement provides language that meets this standard.*
 - iii. Non-Interference. The terms of the easement shall prohibit any property owner served by the shared driveway from the restricting or interfering with the normal ingress and egress of other property owners, their families, guests, invitees, licensees, or others traveling to or leaving any of the properties served by the shared driveway. *The applicant's draft form of the private road and easement maintenance agreement provides language that meets this standard.*
 - iv. Future Connections. The terms of the easement shall provide consent that the Township may permit future abutting private roads or public roads be connected to the easement or private road. *The applicant's draft form of the private road and easement maintenance agreement does not provide language for future connections.*
 - v. Initial Costs of construction. *The applicant has not provided an estimate.*
 - vi. Setback from existing structures. The required front yard setback in CA-Conservation Agricultural zoning district is 50 feet from the 66-foot wide private road easement. The submitted plan indicates the Bella Vita building (in Parcel 3) is located approximately 40.2 feet, at its closest point, from the private road easement, as measured from the edge of the building to the 66-foot easement line of the private road. The required front yard setback in the CA zoning district is 50 feet, thus potentially making the existing building nonconforming.
- G. Easement Maintenance Agreement. *The applicant has provided a draft form of a private road and easement maintenance agreement for the private road.*

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With regard to the length of the private road, the approval procedures of Section 5.23 provide the Planning Commission and the Township Board the discretion to waive requirements for secondary public access and/or future secondary access and/or maximum cul-de-sac length if they are satisfied that meeting the intent of those requirements is impractical. In this case, the Planning Commission and Township Board would have to determine that a second point of public access to Highland Road is not practical, nor is providing an access easement to adjoining developable properties.

The Planning Commission's role is to review the proposed plan for the private road and consider compliance with the Ordinance standards, sound planning and engineering principles, and compliance with any other applicable ordinances. Based on their findings the Planning Commission shall make a recommendation to the Township Board to approve the application with conditions or deny the application for the proposed private road.

Other Requirements-Zoning Ordinance Standards

Nothing at this time.

Township Engineer's Review

The Township Engineering Consultant (Hubble Roth and Clark, HRC) recommends site plan approval subject to items being addressed in the letter dated May 19, 2020.

Hartland Deerfield Fire Authority Review

Please see the review letter from the Hartland Deerfield Fire Authority dated April 20, 2020. The Fire Authority recommends site plan approval subject to the contingencies noted in the review letter.

Hartland Township DPW Review

No comments at this time.

Attachments

- 1. Township Engineer (HRC) letter dated May 19, 2020 PDF version only
- 2. Hartland Deerfield Fire Authority letter dated April 20, 2020 PDF version only
- 3. Draft version of Bella Vita Road and Easement Maintenance Agreement PDF version only
- 4. Site Plan dated May 28, 2020 PDF version only

CC:

HRC, Twp Engineer (via email)R. West, Twp DPW Director (via email)A. Carroll, Hartland FD Fire Chief (via email)

T:\PLANNING DEPARTMENT\PLANNING COMMISSION\2020 Planning Commission Activity\Site Plan Applications\SP #20-004 Bella Vita Private Road\Staff reports\Bella Vita Private Rd staff report 06.04.2020.docx



May 19, 2020

Hartland Township 2655 Clark Road Hartland, MI 48353

Attn: Mr. Troy Langer, Planning Director

Re: Site Plan Review Bella Vita – Private Road Section 22, Hartland Township **STREET:** 105 W. Grand River Howell, MI 48843 **PHONE:** 517-552-9199

WEBSITE: hrcengr.com

HRC Job No. 20170765.20

Dear Mr. Langer:

As requested, this office has reviewed the proposed site plans for the above project as prepared by Triumph Engineering and Design. (dated March 5,2020). The followings comments will need to be addressed:

- 1. The pavement thickness on the original design plans for the Bella Vita Senior Living Facility was 5 inches of asphalt. The proposed pavement thickness should match the original road design and construction.
- 2. Include a drainage area map showing the limits of the 9.33 acres tributary to the detention pond to verify that adequate volume is provided for the proposed improvements.

Subject to the above items being addressed in the construction plans, we have no objections to the approval of the proposed site plan. If you have any questions or require any additional information, please contact the undersigned.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.

Michael P. Darga, P.E.

MPD/mpd

pc: Hartland Twp; M. Wyatt HRC; R. Alix, M. Darga, File

Bloomfield Hills 555 Hulet Drive Bloomfield Hills, MI 48302 248-454-6300 **Delhi Township** 2101 Aurelius Rd. Suite 2A Holt, MI 48842 517-694-7760

Detroit 535 Griswold St. Buhl Building, Ste 1650 Detroit, MI 48226 313-965-3330 **Grand Rapids** 1925 Breton Road SE Suite 100 Grand Rapids, MI 49506 616-454-4286 Jackson 401 S. Mechanic St. Suite B Jackson, MI 49201 517-292-1295 Kalamazoo 834 King Highway Suite 107 Kalamazoo, MI 49001 269-665-2005 Lansing 215 S. Washington SQ Suite D Lansing, MI 48933 517-292-1488



HARTLAND DEERFIELD FIRE AUTHORITY

FIRE MARSHAL'S OFFICE

3205 Hartland Road Hartland, MI. 48353-1825 Voice: (810) 632-7676 Fax: (810) 632-2176

E-Mail: jwhitbeck@hartlandareafire.com

April 20, 2020

- TO: Hartland Township
- RE: Bella Vita Private Drive 11579 Highland Road

Upon review and consideration for the Township Ordinance on preexistingnonconformance, it will meet the fire departments accessibility needs with the following contingencies, which are generally met by inclusion in the deeds for the associated parcels/addresses and any subsequent maintenance agreement:

- Width to be established and continuously maintained at or beyond 20'
- Height to be established and continuously maintained at or above 13'6"
- Surface to be established/continuously support an axel weight of 33,000 lbs.
- Turning radius at the end to be 50', cut sheet attached in email

While not addressing any other Hartland Township Ordinance/Zoning requirements or actions of the Township, with these contingencies, the fire department recommends approval. Please contact us with any questions or changes to the application.

Yours in Fire Safety,

Jennifer Whitbeck Fire Inspector

ROAD AND EASEMENT MAINTENANCE AGREEMENT AND DEED RESTRICTIONS

This Road and Easement Maintenance Agreement and Deed Restrictions ("Agreement") is made this _____ day of ______, 2020, by HSLG, LLC ("Grantor"), a Michigan limited liability company, whose address is 10751 S. Saginaw Street, Building A, Suite K, Grand Blanc, Michigan 48439.

Recitals:

- Whereas, Grantor is the title holder of certain real property in Hartland Township, Livingston County, Michigan, more particularly described in Exhibit A attached hereto and depicted on the attached drawing of Exhibit A as Parcels 1,2,3 and 4 (the "Property"); and
- Whereas, it is Grantor's desire to declare and establish a private road easement, for a roadway to be known as Bella Vita Court for access to the Property (the "Road"), an easement for public and private utilities, a perpetual maintenance agreement for the Road, and certain deed restrictions to be enforced upon the Property for the benefit of all future owners of the Property; and
- Whereas, every future owner of the Property by accepting a conveyance of an interest in the Property does so accepting the benefits and obligations of this Agreement and these Restrictions.

IN CONSIDERATION OF THE RECITALS SET FORTH ABOVE, IT IS HEREBY DECLARED AND AGREED AS FOLLOWS:

Easement Declarations

- 1. Grantor grants, transfers, establishes and declares a **non-exclusive**, **perpetual easement** for ingress and egress, improved or unimproved, and for location of public and private utilities, over and across the Road (the road easement), for the benefit of the Property, said easement being more particularly described on Exhibit B attached hereto.
- 2. The easement shall run with the land and title, and shall be appurtenant thereto.
- 3. The owners of any and all of the Property using the Road shall refrain from prohibiting, restricting, limiting or in any manner interfering with normal ingress and

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egress and use by way of the other owners. Normal ingress and egress and use on the Road shall include use by customers, guests, invitees, vendors, tradesmen, delivery persons and others bound to or returning from any of the properties and having a need to use the road.

- 4. The Road, although private, is hereby established as an easement for the public for purposes of emergency and other public vehicles and for whatever public utility services are necessary.
- 5. The road easement is a private road easement, which is not required to be maintained by the Board of County Road Commissioners, or the Township of Hartland. No public funds of the Township of Hartland will be used to build, repair or maintain the easements. In addition, the Township of Hartland does not have any legal responsibility or financial obligation to (a) establish a special assessment district for the maintenance or improvement of the easements, or (b) to collect any monies for the maintenance or improvement of the easements.
- 6. Grantor and each owner of the Property agree to indemnity and save the Township of Hartland harmless from any causes of action or liability which may be created by reasons of the maintenance of the road easement. This indemnification provision shall apply only to the owners of the Property at the time an alleged cause of action arises.

Road Easement Maintenance

- 7. The owner or owners of any parcel or parcels of the Property ("Parcel Owner" or "Parcel Owners") whose parcel shares any border with the road easement shall be responsible for maintaining the road easement that is part of their parcel(s) up to the curb at the edge of the roadway.
- 8. Each Parcel Owner shall share in the cost of maintaining and/or improving the remainder of the road easement on a pro-rata basis. Each Parcel Owner's share of the cost shall be based upon the total acreage of the parcel(s) owned by a Parcel Owner as a percentage of the total acreage of all parcels of the Property and shall be subject to the conditions and definitions hereinafter set forth.
- 9. To the extent any of the herein described parcels of land are subdivided further, the Parcel Owners, heirs, assigns and successors in interest of both the newly created and the remainder of the original parcel shall be liable under this Agreement for their then pro rata share of expenses and such pro rata shares of expenses as of the date any applicable conveyance is recorded. Each Parcel Owner's pro-rata share of expenses shall also reflect the weight of their vote in any vote of the Parcel Owners. Accordingly, a Parcel Owner responsible for a 29% pro-rata share of expenses casting a vote on any issue shall be deemed to have voted 29 voting shares out of a total of 100 voting shares available.
- 10. The shared repairs and maintenance to be performed on a pro-rata basis under this Agreement shall be limited to the following, unless the consent for additional work is

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agreed to by a 75% vote of the Parcel Owners owning 100% of the voting shares as described in paragraphs 8 and 9 above:

Reasonable and normal road improvement and maintenance work to adequately maintain said private road easement and related drainage facilities to permit all weather access. Repairs and maintenance under this Agreement shall include, but is not limited to, lawn/snow maintenance, filling of holes, repairing cracks, repairing and resurfacing of roads, repairing and maintaining drainage structures, removing debris, maintaining any signs, markers, landscaping and lighting, if any, and other work reasonably necessary or proper to repair and preserve the easement for all weather road purposes.

- 11. Any extraordinary repair required to correct damage to said road easement that results from action taken or contracted for by parties hereto or their successors in interest shall be paid for by the party taking action or party contracting for work which caused the necessity for the extraordinary repair. The repair shall be such as to restore the road easement to the condition existing prior to said damage.
- 12. It is agreed that Grantor is initially the agent to contract and oversee and do all acts as and when it deems necessary to accomplish the repairs and maintenance required and/or authorized under this Agreement. The parties further agree that the agent may at any time be replaced by a 75% vote of the Parcel Owners. The agent shall obtain three bids from reputable and responsible contractors and shall accept the lowest of said three bids and shall then initiate the work. In performing his duties, the agent, as he anticipates the need for funds, shall notify the parties and each party shall within forty-five (45) days pay the agent, who shall maintain a trustee account and also maintain accurate accounting records which are to be available for inspection by any party or authorized agent upon reasonable request. All such records shall be retained by the agent for a period of five years.

All Parcel Owners acknowledge that the electrical lines for all streetlights located in the road easement are tied into an existing panel on Parcel 3. To the extent that the owner of Parcel 3 pays for the electricity generated by those streetlights, the owner of Parcel 3 shall be credited the amount of \$100.00 per month against Parcel 3's prorata repair and maintenance cost to cover that charge. Should the amount be deemed insufficient at any time, the amount can be raised with the agreement of the majority vote of the Parcel Owners. Finally, so long as the streetlights are tied into an existing panel on Parcel 3, the agent has the authority to arrange for and perform repair and/or maintenance to those lines and to that panel and the owner of Parcel 3 grants permission and access to Parcel 3 for those purposes. To the extent that the Parcel Owners desire to remove the connection to the panel on Parcel 3 and set the streetlights on a panel elsewhere, the Owner of Parcel 3 grants such access and permission.

13. Within 45 days of the date of any invoice from Agent, should any Parcel Owner(s) fail to pay the pro rata share of costs and expenses as provided in this Agreement, then the agent or any Parcel Owner shall be entitled without further notice to institute legal action for the collection of funds advanced on behalf of such Parcel Owners in

accordance with the provisions of Michigan law, and shall be entitled to recover in such action in addition to the funds advanced, interest thereon at the current judiciary rate of interest, until paid, all costs and disbursements of such action, including such sum or sums as the Court may fix as and for a reasonable attorney's fees.

If any Parcel Owner or Owners fail to pay his or their prorated share of expenses then any agent, assignee, or other Parcel Owner can also file a lien on said delinquent Parcel Owner's property. The lien shall encumber the title and shall collect interest at a reasonable rate until paid or property is sold.

14. Any liability of the Parcel Owners for personal injury to any worker employed to make repairs or provide maintenance under this Agreement, or to third persons, as well as any liability of the Parcel Owners for damage to the Property, or any such worker, or of any third persons, as a result of or arising out of repairs and maintenance under this Agreement, shall be borne, as between the Parcel Owners in the same percentages as they bear the costs and expenses of such repairs and maintenance. Each Parcel Owner shall be responsible for and maintain his own insurance, if any. By this Agreement, the parties do not intend to provide for the sharing of liability with respect to personal injury or property damage other than that attributable to the repairs and maintenance undertaken under this Agreement. Each of the Parcel Owners agree to indemnity the others from any and all liability or injury to him or damages to his property when such injury or damage results from, arises out of, or is attributable to any maintenance or repairs undertaken pursuant to this Agreement.

Restrictions

- 15. All parcels of the Property shall be kept neat and free of debris. No parcel shall be used as a dumping ground and all rubbish, trash, garbage or otherwise, shall be kept in sanitary containers. All brush or other debris piles and accumulations on any parcel or parcels must be removed within thirty (30) days of its accumulation.
- 16. Exterior walls of any structure in the development shall be constructed of brick, stone, glass, wood, vinyl, dryvit, or other standard exterior siding material. Neither aluminum, except fascia soffits and pillars, nor asphalt siding will be allowed. Any outbuildings permitted to be erected on any parcel shall have the same exterior as the main building located on the same parcel.
- 17. The foregoing covenants shall run with the land and shall be deemed to be for the benefit of the land of each of the Parcel Owners and each and every person who shall at any time own all or any portion of the Property referred to herein.
- 18. It is understood and agreed that the covenants herein contained shall be binding on the heirs, executors, administrators, successors, and assigns of each of the Parcel Owners.
- 19. It is the purpose of the signatories hereto that this instrument be recorded in the property records of this County, and intend that the obligation hereby created shall be and constitute a covenant running with the land and any subsequent Purchaser

4

of all or any portion thereof, by acceptance of delivery of a deed and/or conveyance regarding of form, shall be deemed to have consented to and become bound by these presents, including without limitation, the right of any person entitled to enforce the terms of this Agreement to institute legal action as provided in paragraph 20 hereof, such remedy to be cumulative and in addition to other remedies provided in this Agreement and to all other remedies at law or in equity. The terms of this Agreement may be amended in writing upon majority approval of the Parcel Owners.

- 20. This Agreement shall be governed by the laws of the State of Michigan. In the event that any of the provisions of this Agreement are held to be unenforceable or invalid by any court of competent jurisdiction, the validity and enforceability of the remaining provisions shall not be affected.
- 21. Unless the Parcel Owners, by a 75% vote, agree to modify or terminate the agreements and restrictions contained herein and record an affidavit reflecting this vote and a statement reflecting the modifications or termination of this Agreement, the Owner of any Parcel may file an affidavit and record it within forty (40) years of the recording date of this Agreement (and subsequently within forty (40) years of the most recent affidavit recorded by a Parcel Owner to extend this Agreement, if any), against the Property to extend the agreements and restrictions contained in this Agreement.

IN WITNESS WHEREFORE, the parties have executed this Agreement on this _____ day of _____, 2020.

HSLG, LLC

By:

Chuck SeKrenes Its: Managing Member

STATE OF MICHIGAN

) ss. COUNTY OF GENESEE)

The foregoing instrument was acknowledged before me on this _____ day of ______ 2020, by Chuck SeKrenes, Member of HSLG, LLC.

> , Notary Public ____County, Michigan My Commission Expires: Acting in Genesee County, Michigan

PREPARED BY AND WHEN RECORDED RETURN TO: Alan F. Himelhoch (P41665), WINEGARDEN, HALEY, LINDHOLM, TUCKER & HIMELHOCH, P.L.C., G-9460 S. Saginaw Street, Suite A, Grand Blanc, MI 48439; (810) 579-3600

Triumph Engineering & Design, Inc. 10775 s sacinaw sr sann Buric Mi 48439 (PH) 810 584,7364 (F) 810,584,7362 TRIUMPH -----SP-1 Garra Contra **ΓΙΛΙΝΘΣΤΟΝ COUNTY, ΜΙCHIGAN** AND CONTRACT J (A) and any provided of the second 1011 1010 ΑΤΙΥ ΑΊΤΑ 60 Control Con STORMWATER DETENTION CALCULATIONS - LCDC METHOD 107.00 922 61 15.123 4s factor C Elege = 957 61 s factor C Ea⊭r= 958.96 EX++ (00) 73 ہ (µ) oLUME (n') 6.346 4(6) 1 223 2,211 1435 2.513 cubic feet 3.336 cubic feet STORMWATER DETENTION based FT SF BPCH CFS CFS 御日冬 INCH SF CITS CITS HAS CF CFS FT SF SF HRS CFS CFS CFS CFS CFS FS FS FS FS FS CFS CFS 5 DETENTION BASIN AREA AVG (#²) (R²) S S AVG. 3,477 Colino ACorio Lincheu 693 x the foliative imporviousin 24.071 cubic feet felative imperviousness 6.467 cubic feet 1.87 5 86 5 0865 24 071 968 50 40 0.336 1.87 2 0.022 0.251 50,205 cubic feet Segment Basin Pequited V 5% of Storage Victime = Phoretod Victime = dicre-s 601 1,725 2.208 100012 (m²) /25 Contrast of Contra Description of the second of t 02.6 Tribuary Ania (A) = 9.33 Cw = 0.55 Dreign Constant (K1) = A k Cw = Allowable Ountial (O2) = Banktuli Flood = 5160 x acreage v Banktuli Flood = Fusi Páish = 1855 a aoréage a the Fusi Push = 19.65 0.855 110 0.01 1000 ALEV 120 TEN Dation Distant DESIGN STORMS 100-year storm = r = Q. = (Q.e. - Q.e.) r = D. - (Q.e. - Q.e.) r = of Chritce all Chritce Artes r = of Chritce Artes . 2⊴= Basin Genem ≂ 2/3 ir ≘ =V₂√T₃r BANKFULL FLOOD Banklik Flood Vor. (V Bachlik Eler... (Zw) Drainage Duraton in Nser & Eler. HYEAR FLOOD Foal Onfice Area Onfice Dranew Nea of Onlice Number of Holes ADVAND ~24888888 67"25'04" 156*31'38" 38*00'37" 38*30'47" 67.58'28" 02'03'41" 52*26'10" 43.56'44" 38.30'47" 3245'52" 00*50'47 OVERALL TAX DESORPTION SEC 21 THRE COMPANIANCE 20 F 405 E-47/4 II 55 22 SEPTIE 1 SEC 21 THRE COMPANIANCE 20 F 405 E-47/4 II 55 26 F 27 T 405 E-17 44 0 E-17 25 SEPTIE 420 E-17 10 AU 406 E-17 44 0 E-17 25 SEPTIE 420 E-17 10 AU 20 N N A F 4-58 H 263 T T 44 C 6-17 C 9 SK4 SERVITH 455 D T F 40 T 739 0 F 1 - 4007 0° E 535 0 T 10 P0 601 23 4 AU 11 35 10 F 25 & 2 DEL TA INGRESS FEGRESS EASEMENT CURVE AND LINE DATA N32'42'22'W S20"15'35"W W"E0'E2'ES W"02'95'50"W N27*43'27"E S26'44'07"E N85"18"36"E N20"15"35"E N20*30'41"E 102_01_01_01_01 N35'19'17"E S20'58'10"E BEARING NIORESS/EGRESS EASEMENT DESCRIPTION SEC 24 LER NE COMPENDE 1 / SCOLA SEC 22 NEOC SEC 24 LER NE COMPENDE 1 / SCOLA SEC 22 NEOC SECTOR PERIOD 20 NEOCULAR 2010 2010 2010 2010 PRIVATE ROAD SECTION Same Contraction 280.61 - EARS AND BE CONCOMPANIES (CONCOMPANIES) 146.86 ARC LENGTH CHORD 171.29' 109.47' 173.47' 45.95 129.94* 55.50' 37.42' 58 14 115.21* 122 N39°30'59'E M., Z1, 00, 10S J., 21, 00.10N 539°30'59" 280.62* 132,42' 266.35' BEARING 110.93' 47.59' 174.47' 58.83 176,78' 38.35' 61.69 115.21 ANG RADIUS 7799.50 7799.50 263.00' 197.00 263.00' CHORD 514.07' 52.00' 50.00' 197.00 155.41' 381.30' 155.41 75,00' C6-2 50.00' 52.00' C6-1 CURVE C10 C2 C1 C3 C4 65 68 C9 11 C7 INE 12 L3 L 4 (N - 59)-66-2 66 INGRESS/ ELETS: LATUENI 963.75 Putri 962.35 PVMT 902.90 PVMT 30 B/C 965.70 967.40 PVML TMV9 Z+ 5851 M "Z1,00.10 S A Co 4. 971,30 PVMT S 88°44'10" E 545.79' EXHIBIT 5 88"17"15" E 91.08' 4.1 ۲> CB TOTATA 972 70 PVMT 10.00 经 (VARIABLE WIDTH) C6-1/ INGRESS/ EGRESS EASEMENT DE VELOPMEN T SIGN-BELLA VITA 111 112 112 dd I MALOH-AND 5 P.0.B. NGRESS/EGRESS EASEMENT 160' R/W Ą Ą 55'5291 M "£5,72.10 S ,95'92'91 З N OUTLET CONTROL STRUCTURE RESTRICTED DISCHARGE (3) 7: @ 957 61 (11) 2: @ 958 56 DETENTION BASIN REQ_VOL = \$0,382 C F PROV VOL = \$3,427 C F BOT BASIN = 957 TOP BASIN = 950 FREEBOARD = 961 OUTLET SEWER 32LF-12" C76 CLIV @ 0.34% OUTLET END-SECTION IE 956 00 W/ RIP-RAP OUTFALL S88"17"15"E 2521.92' ~ E-W 1/4 LINE W 1/4 CORNER SECTION 22 TO3N-R06E M SECL FINE

EXHIBIT A

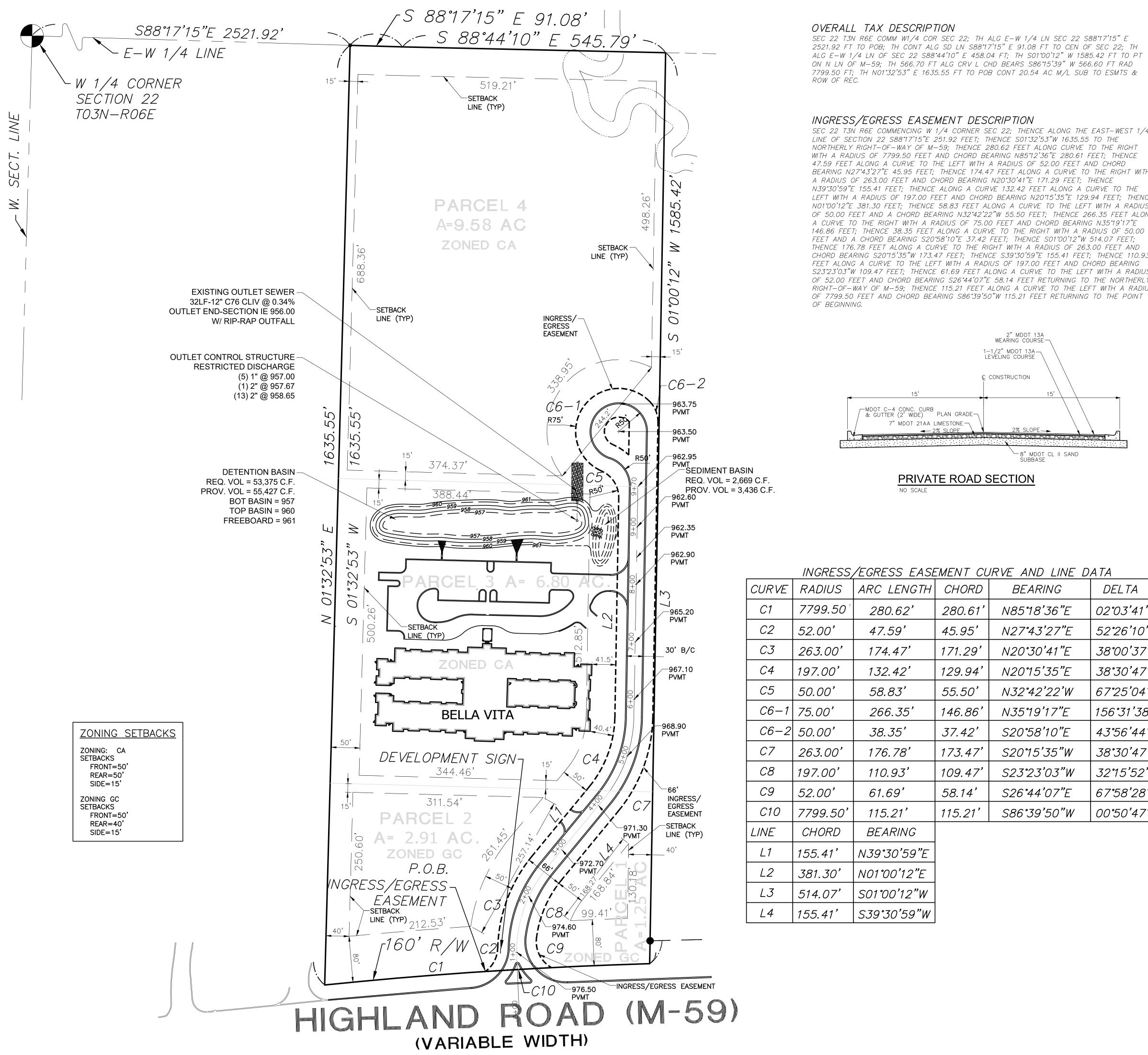
Exhibit B

OVERALL TAX DESCRIPTION

SEC 22 T3N R6E COMM W1/4 COR SEC 22; TH ALG E-W 1/4 LN SEC 22 S88°17'15" E 2521.92 FT TO POB; TH CONT ALG SD LN S88°17'15" E 91.08 FT TO CEN OF SEC 22; TH ALG E-W 1/4 LN OF SEC 22 S88°44'10" E 458.04 FT; TH S01°00'12" W 1585.42 FT TO PT ON N LN OF M-59; TH 566.70 FT ALG CRV L CHD BEARS S86°15'39" W 566.60 FT RAD 7799.50 FT; TH N01°32'53" E 1635.55 FT TO POB CONT 20.54 AC M/L SUB TO ESMTS & ROW OF REC.

INGRESS/EGRESS EASEMENT DESCRIPTION

SEC 22 T3N R6E COMMENCING W 1/4 CORNER SEC 22; THENCE ALONG THE EAST-WEST 1/4 LINE OF SECTION 22 S88°17'15"E 251.92 FEET; THENCE S01°32'53"W 1635.55 TO THE NORTHERLY RIGHT-OF-WAY OF M-59; THENCE 280.62 FEET ALONG CURVE TO THE RIGHT WITH A RADIUS OF 7799.50 FEET AND CHORD BEARING N85°12'36"E 280.61 FEET; THENCE 47.59 FEET ALONG A CURVE TO THE LEFT WITH A RADIUS OF 52.00 FEET AND CHORD BEARING N27°43'27"E 45.95 FEET; THENCE 174.47 FEET ALONG A CURVE TO THE RIGHT WITH A RADIUS OF 263.00 FEET AND CHORD BEARING N20°30'41"E 171.29 FEET; THENCE N39°30'59"E 155.41 FEET; THENCE ALONG A CURVE 132.42 FEET ALONG A CURVE TO THE LEFT WITH A RADIUS OF 197.00 FEET AND CHORD BEARING N20°15'35"E 129.94 FEET; THENCE N01°00'12"E 381.30 FEET; THENCE 58.83 FEET ALONG A CURVE TO THE LEFT WITH A RADIUS OF 50.00 FEET AND A CHORD BEARING N32°42'22"W 55.50 FEET; THENCE 266.35 FEET ALONG A CURVE TO THE RIGHT WITH A RADIUS OF 75.00 FEET AND CHORD BEARING N35°19'17"E 146.86 FEET; THENCE 38.35 FEET ALONG A CURVE TO THE RIGHT WITH A RADIUS OF 50.00 FEET AND A CHORD BEARING S20°58'10"E 37.42 FEET; THENCE S01°00'12"W 514.07 FEET; THENCE 176.78 FEET ALONG A CURVE TO THE RIGHT WITH A RADIUS OF 263.00 FEET AND CHORD BEARING S20°15'35"W 173.47 FEET; THENCE S39°30'59"E 155.41 FEET; THENCE 110.93 FEET ALONG A CURVE TO THE LEFT WITH A RADIUS OF 197.00 FEET AND CHORD BEARING S23°23'03"W 109.47 FEET; THENCE 61.69 FEET ALONG A CURVE TO THE LEFT WITH A RADIUS OF 52.00 FEET AND CHORD BEARING S26°44'07"E 58.14 FEET RETURNING TO THE NORTHERLY RIGHT-OF-WAY OF M-59; THENCE 115.21 FEET ALONG A CURVE TO THE LEFT WITH A RADIUS OF 7799.50 FEET AND CHORD BEARING S86°39'50"W 115.21 FEET RETURNING TO THE POINT OF BEGINNING.



	STORM	WATER	DETENTION	CALCULA	TIONS - LO	CDC METI	HOD	6	-
	Tributary A Cw =	0.51	9.64 (Includes Cul-De		(Includes Cu	ıl-De-Sac)			\mathbf{b}
		nstant (K1) = outfall (Qo) =	A x Cw =	4.916 1.93	cfs (based o	n discharge of ().20cfs/acre)	TRIUM	IPH
	(1) Duration (minutes)	(2) Duration (seconds)	(3) Intensity (100-year storm) (Inches/Hour)	(4) Col #2 x Col #3 (Inches)	(5) Inflow Vol. = Col #4 x K1 (Cu. Ft.)	(6) Outflow Vol = Col #2 x Qo (Cu. Ft.)	(7) Storage Vol. Col #5 - Col#6 (Cu. Ft.)	Triumph Eng & Design	ineering , Inc.
	5 10	300 600	9.17 7.86	2,751 4,716	13,525 23,186	578 1,157	12,947 22,029	10775 S. SAGI SUITE E)
/4	15 20	900	6.88 6.11	6,192	30,442 36,047	1,735	28,707	GRAND BLANC (PH) 810.58	
	30	<u>1,200</u> 1,800	5.00	7,332 9,000	44,248	2,314 3,470	33,733 40,777	(F) 810.58	4.7362
	60	3,600	3.24	11,664	57,345	6,941	50,404	www.triumpher	g.com
<i>T</i>	90 120	5,400 7,200	2.39 1.90	12,906 13,680	63,451 67,256	10,411 13,882	53,040 53,375		
TH	120	10,800	1.30	14,472	71,150	20,822	50,328		
ICE IS DNG	DESIGN S 100-year si	orm =		cubic feet		959.92			
)	Bankfull Flo Bankfull Flo		acreage x the relati 25,369	ve imperviousnes cubic feet		958.65			
93 JS	First Flush First Flush		eage x the relative i 8,923	mperviousness fa cubic feet		957.67		PREPARED UNDER THE DI ANDREW ANDRE, P.E. MI #47380	RECTION OF:
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		SH OF RUN Volume (V _{FF})	=	8,923	CF				
	First Flush		=	957.67					\triangleleft
	$Q_{FF} = V_{FF}/T_2$	4	=	0.103	CFS				C
		asin Bottom	=	0.67	FT				=
	H _A =2/3 H		=	0.45	FT				
	Orifice Dia Area of Ori		=	1 0.005	INCH SF			=	\mathbf{O}
	Total Orifice		=	0.0310	SF				
		.62*(2*g*H _A)/							2
	Number of Use	Holes	=	5.68 5	@ Elev	957.00			•
	Q _{FF} ^{NEW}		=	0.0909	CFS	507.00		< >	\succ
			=	27	HRS				É
	BANKFUL	L FLOOD						$ > \Sigma$	Ζ
		od Vol. (V _{BF})	=	25,369	CF				\supset
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	Drainage D Q _{AVE}	uration	=	40 0.174	HRS CFS				N N
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F	Event	Flow (CFS)	Elevation	# Orifice	Diameter (IN)			Male Reprinting the Reprint Hamilton of the Reported to the Controls. Davange Recense Controls. Davange Recense Controls and the Architect Takes I onessors. But 6 relative controls be the Reprint Davange of the Report of the Reprint of the Reprint Davange of the Report of the Reprint Davange of the Report of	e
8"	First Flush	0.09	957.67	5	1	957.00	-	WHLE EVERY ATT THE RESPONSE CONDIDING RECEDING COMM THE ARCHTECT THE ARCHTECT THE ARCHTECT THE ARCHTECT THE ARCHTECT THE ARCHTECT ARVANCES FOR AND	
	Bankfull 100-Year	0.18	958.65 959.92	1 13	2	957.67 958.65	~		
4"		1.93	Total Flow						DATE
7"			STORM	WATER DE	TENTION			ISSUED FOR	DATE 03/10/20
,,,								SPA	05/01/20
			ELEV ARI (ft		. VOLU (ft ³			SPA	05/28/20
3"			957.0 11,5		0				
7"			957.5 13,8		6,34	46			

DETENTION BASIN						
ELEV	AREA	AVG.	VOLUME			
	(ft ²)	(ft ²)	(ft ³)			
957.0	11,573		0			
		12,692				
957.5	13,811		6,346			
		14,930	to day take 1714			
958.0	16,049	17.005	13,811			
050 5	40.400	17,225	00.400			
958.5	18,400	10 570	22,423			
959.0	20,751	19,576	32,211			
303.0	20,751	21,983	52,211			
959.5	23,216	21,000	43,203			
	,	24,448				
960.0	25,680		55,427			
SEDIMENT BASIN						
ELEV	AREA	AVG.	VOLUME			
	(ft²)	(ft ²)	(ft ³)			
958.0	731		0			
		980				
958.5	1,228	4 477	490			
959.0	1,725	1,477	1,228			
303.0	1,720	1,966	1,220			
959.5	2,208	.,	2,211			

2,449

Sediment Basin Required Volume 5% of Storage Volume = Provided Volume =

2,690

960.0

2,669 cubic feet 3,436 cubic feet

3,436

DATE :

DRAWN: ACA

CHECKED: JT

SCALE : 1"=80'

SHEET TITLE

PAVING PLAN

JOB NO: TED-BV HARTLAND

SITE LAYOUT AND

SP-1