### GENOA CHARTER TOWNSHIP ZONING BOARD OF APPEALS APRIL 16, 2024 6:30 P.M. AGENDA

Call to Order:

Pledge of Allegiance:

Introductions:

Conflict of Interest:

Approval of Agenda:

Call to the Public: (Please Note: The Board will not begin any new business after 10:00 p.m)

- 1. 24-08...A request by Robert Dow of Ventures Design, 5425 Wildwood Drive, for two sides, front and waterfront yard setback variances and any other variance deemed necessary by the Zoning Board of Appeals, to demolish part of existing home and construct an attached garage and to allow an existing covered patio to remain.
- 2. 24-09...A request by Nancy Dykema, 4053 Homestead Drive, for side yard setback variance and a height variance and any other variance deemed necessary by the Zoning Board of Appeals, to build a new home.
- 3. 24-10...A request by MITTS LLC, 5776 E. Grand River Avenue, for a front yard setback variance and any other variance deemed necessary by the Zoning Board of Appeals, to allow barrier-free parking near the building entrance. (REQUEST TO BE WITHDRAWN)
- 4. 24-11...A request by 1015 Latson Road LLC, 1111 S. Latson Road, for a setback variance and any other variance deemed necessary by the Zoning Board of Appeals, to allow for a drive-thru.
- 5. 24-12...A request by Michael Brown, 4655 Sweet Road, for a side yard setback variance and any other variance deemed necessary by the Zoning Board of Appeals, to allow solar panels to remain.

### Administrative Business:

- 1. Approval of minutes for the February 20, 2024 Zoning Board of Appeals meeting.
- 2. Correspondence
- 3. Member Discussion
- 4. Adjournment

\*Citizen's Comments- In addition to providing the public with an opportunity to address the Township Board at the beginning of the meeting, opportunity to comment on individual agenda items may be offered by the Chairman as they are presented. Anyone speaking on an agenda item will be limited to 2 minutes.



GENOA CHARTER TOWNSHIP VARIANCE APPLICATION 2911 DORR ROAD | BRIGHTON, MICHIGAN 48116 (810) 227-5225 | FAX (810) 227-3420

Case # 24-08 Mee	ting Date: March 19, 2024 @6:30 pm Boardroom
D PA	ID Variance Application Fee
\$215.00 for Residential   \$300.00 for Si	gn Variance   \$395.00 for Commercial/Industrial
Applicant/Owner: ROBERT DOW	Email: 1868 DOW 2000 @ YAHOO.com
Property Address: 5425 WELNLWOON PR	Phone: (734) 765-9300
Present Zoning: RESIDENTEAL	Tax Code: 11-10-102-066

### <u>ARTICLE 23</u> of the Genoa Township Zoning Ordinance describes the Variance procedure and the duties of the Zoning Board of Appeals.

Each application for Variance is considered individually by the ZBA. The ZBA is a board of limited power; it cannot change the Zoning Ordinance or grant relief when it is possible to comply with the Zoning Ordinance. It may provide relief where due to unique aspects of the property with strict application of the zoning ordinance to the land results in practical difficulties or unnecessary hardship.

The applicant is responsible for presenting the information necessary to support the relief requested. While much of the necessary information is gathered through the completed application, other information may be gathered by on-site visits, other sources, and during the ZBA meeting. ZBA members, township officials and township staff may visit the site without prior notification to property owners.

Failure to meet the submittal requirements	and properly	y stake the	property :	showing al	l proposed
improvements may result in postponement	or denial of	this petitio	<u>n.</u>		

Please explain the proposed variance below:

1. Variance	e requ	ested/inten	ded prop	erty n	nodification	s:	an	nom	con	borning	for
that	L	would	bike	To	extend	the	alrendy	sm	ıll	bet.	

Please note that the packet and staff report for your scheduled Zoning Board of Appeals meeting will be available to review at <u>https://www.genoa.org/government/boards/zoningboard</u> five days prior to the meeting.

The following is per Article 23.05.03 of the Genoa Township Ordinance:

<u>Criteria Applicable to Dimensional Variances.</u> No variance in the provisions or requirements of the Ordinance shall be authorized by the Board of Appeals unless it is found from the evidence that <u>all</u> of the following conditions exist:

Under each please indicate how the proposed project meets each criteria.

<u>Practical Difficulty/Substantial Justice.</u> Compliance with the strict letter of the restrictions governing area, setbacks, frontage, height, bulk, density, or other dimensional provisions would unreasonably prevent the use of the property. Granting of a requested variance or appeal would do substantial justice to the applicant as well as to other property owners in the district and is necessary for the preservation and enjoyment of a substantial property right similar to that possessed by other properties in the same zoning district and vicinity of the subject parcel.

space so the structure will be rever it will remain within the same

Extraordinary Circumstances. There are exceptional or extraordinary circumstances or conditions applicable to the property or the intended use which are different than other properties in the same zoning district or the variance would make the property consistent with the majority of other properties in the vicinity. The need for the variance was not self-created by the applicant.

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<u>Public Safety and Welfare</u>. The granting of the variance will not impair an adequate supply of light and air to adjacent property or unreasonably increase the congestion in public streets, or increase the danger of fire or endanger the public safety, comfort, morals or welfare of the inhabitants of the Township of Genoa.

to safety issues with the structure being ald

<u>Impact on Surrounding Neighborhood.</u> The variance will not interfere with or discourage the appropriate development, continued use, or value of adjacent properties and the surrounding neighborhood.

not affect others wround

Attendance by the applicant is required at the Zoning Board of Appeals meeting.

Any Variance not acted upon within 12 months from the date of approval is invalid and must receive a renewal from the Zoning Board of Appeals (ZBA).

After the decision is made regarding your Variance approval a land use permit will be required with additional site plans and construction plans.

Date: 1/30/24 Signature:



### **REVISED** MEMORANDUM

### Memorandum was revised due to additional variances being requested since the March ZBA meeting that was canceled

2911 Dorr Road
Brighton, MI 48116
810.227.5225
810.227.3420 fax
genoa.org

TO:Genoa Township Zoning Board of AppealsFROM:Amy Ruthig, Planning DirectorDATE:April 14, 2024

ZBA 24-08

RE:

### STAFF REPORT

File Number:	ZBA#24-08
Site Address:	5425 Wildwood Drive
Parcel Number:	4711-10-102-066
Parcel Size:	0.103 Acre
Applicant:	Dow, Robert and Renee 47125 Ashley Court Canton, 48187
Property Owner:	Same as Applicant

Information Submitted: Application, site plan, conceptual drawings

Request: Dimensional Variance

**Project Description**: Applicant is requesting a waterfront, side and front yard setback variance to allow an existing roof structure to remain over a patio and to demolish portion of existing home and construct an attached garage.

**Zoning and Existing Use:** LRR (Lakeshore Resort Residential) Single Family Dwelling located on property.

### Other:

Public hearing was published in the Livingston County Press and Argus on Sunday March 31, 2024 and 300-foot mailings were sent to any real property within 300 feet of the property in accordance with the Michigan Zoning Enabling Act.

### **Background**

The following is a brief summary of the background information we have on file:

- Per assessing records the parcel has an existing single-family dwelling built in 1930, remodeled in 2006.
- In 2001, a land use permit was issued for a fence.
- In 2002, after multiple ZBA meetings, a variance was denied for an addition petitioned by the previous owner. (see attached minutes)
- The property utilizes a well and public sewer system.
- See Real Record Card.

SUPERVISOR

TREASURER

Robin L. Hunt

Terry Croft

**Diana Lowe** 

MANAGER

Jeff Dhaenens

Kelly VanMarter

Jean W. Ledford

Paulette A. Skolarus

**Bill Rogers** 

CLERK

### **Summary**

Applicant is seeking a waterfront, two side yard and front yard setback variances to allow an existing roof to remain over a patio and demolish portion of existing home to be able construct an attached garage. The applicant requested a land use permit for solar panels to be installed on the existing roof structure which was determined to be illegal since no land use permit was issued for the roof. The solar panel land use permit was not approved. However, it has come to staff's attention that the solar panels were installed on the roof anyway.

The property lines extend to the water's edge per the Township Assessing Dept. Staff found it difficult to determine requested setbacks especially for the front yard setback. Included in the 2002 variance application submittal was a mortgage survey (see attached) that indicated the existing house was located on the front lot line. Applicant is requesting to increase the length of the house from the existing footprint for the proposed attached garage. If the addition is larger than the existing footprint, it could push the addition over the front property line. Staff recommends that the applicant obtain a certified survey to verify accurate setbacks since mortgage surveys are not certified.

Staff could not locate a land use permit or variance application for the 2000 addition that applicant indicates on the site plan.

Applicant supplied adjacent properties waterfront setbacks from the decks of the homes however the Zoning Ordinance requires the measurements to be taken from the closest roofed portion of the home to the water's edge. Staff used Township Assessing records to determine the size of the decks to determine the correct adjacent waterfront property setbacks based on applicant's information.

The parcel is not serviced with a grinder. No approval is required.

### Variance Requests

The following is the section of the Zoning Ordinance that the variance is being requested from:

### Table 3.04.01 (LRR District)

SINGLE FAMILY STRUCTURE	Side Yard (North) Setback	Side Yard (South) Setback	Waterfront Setback	Front Yard Setback
REQUIRED YARD SETBACK	10'	10'	76'	35'
PROPOSED YARD				
SETBACKS	3'	2'	63'	0'
REQUESTED YARD				
VARIANCEs	7'	8'	13'	35'

### <u>Summary of Findings of Fact-</u>After reviewing the application and materials provided, I offer the possible findings of fact for your consideration:

Please note that in order for a variance to be approved it has to meet all of the standards in 23.05.03.

- (a) Practical Difficulty/Substantial Justice –Strict compliance with the setbacks would prevent the illegal roof structure to remain and would prevent the addition of the garage. It would not prevent the use of the property. There are other homes in the vicinity with reduced side yard and waterfront yard setbacks that could support substantial justice for the roof structure. Township staff cannot verify the front yard setback to make a determination for substantial justice.
- (b) Extraordinary Circumstances The exceptional or extraordinary condition of the property is the narrowness of the lot and it is a non-conforming lot in the LRR district. The angle of the property creates an irregular shoreline in

comparison to the neighbor to the south. It appears the need for the variances is not self-created however applicant should demonstrate that it is the least amount necessary for the waterfront setback variance request.

- (c) Public Safety and Welfare The granting of the variances will not impair an adequate supply of light and air to adjacent properties. The garage addition will unreasonably increase the congestion in public streets and increase the danger of fire or endanger the public safety, comfort, morals or welfare of the inhabitants of the Township of Genoa since it appears there will not be adequate parking available on the property.
- (d) Impact on Surrounding Neighborhood The proposed variances will have an impact on the appropriate development and continued use due to adequate parking is not provided on the property. It will not have impact on the value of adjacent properties and the surrounding neighborhood.

### **Recommended Conditions**

If the Zoning Board of Appeals grants the variance requests, staff recommends the following conditions be placed on the **approval**:

1. If survey is required by a certified engineer than the following shall apply:

- a) Survey shall be completed and submitted to the Township within 3 months of approval
- b) Land use waiver shall be applied for within 7 business days of survey submittal for the roof and solar panels.
- c) A Livingston County Building Permit shall be applied for within 5 business days of land use permit approval.

3. Structure must be guttered with downspouts.

4. The land use permit for demolition and the addition of the garage will need to be applied for within 1 year of approval.

If the Zoning Board of Appeals grants the variance requests, staff recommends the following conditions be placed on the **denial**:

- 1. Land use waiver shall be applied for within 7 business days of denial for the removal of the roof and solar panels.
- 2. A Livingston County Building Permit shall be applied for within 5 business days of land use waiver approval.

3. The solar panels and roof shall be removed within 45 days of denial.



### GENOA TOWNSHIP ZONING BOARD OF APPEALS JUNE 11, 2002

#### **MINUTES**

A regular meeting of the Genoa Township Zoning Board of Appeals was called to order by Vice-Chairman Figurski at 7:00 p.m. at the Genoa Township Hall. The Pledge of Allegiance was then said.

The following board members were present constituting a quorum for the transaction of business: Barbara Figurski, Judy Stornant, Jean Ledford and Chris Hensick. Also present were Township Ordinance Enforcement Officer Adam VanTassell and approximately 20 persons in the audience.

Moved by Ledford, supported by Hensick, to approve the Agenda as presented. The motion carried unanimously.

A Call to the Public was made with no response.

02-16...A request by Thomas and Beverly Smith, Section 10, 5425 Wildwood for a 6.5foot side yard variance with a 3.5 foot setback and a 31 foot front yard variance with a 4 foot setback to construct an addition.

Smith - This request is for a 627-sq. ft. addition. Our neighbors have supported us on this request. Our cottage is the second oldest on the lake and needs to be updated. We don't want to join the lots because we may sell the other parcel sometime in the future. A Call to the Public was made with no response. Moved by Ledford, supported by Hensick, to deny the request for variance since no practical difficulty exists because the petitioner owns a vacant parcel adjoining this parcel. In addition there is no space for a garage on the existing lot. The petitioner uses the side of the lot for parallel parking. The motion carried unanimously.

### 02-18...A request by Mark 1Restoration, Section 5, 1091 Victory Dr. for a 25-foot front yard variance with a 50 foot setback to install additional parking.

A Call to the Public was made with no response. Moved by Hensick, supported by Ledford, to grant a 25-foot front yard variance for the addition of a parking surface as presented by Desine, Inc. for nine additional spaces with curbing. The practical difficulty is the extensive wetland characteristics of the parcel that will not allow for an expansion in any other area. The motion carried unanimously.

02-24...A request by John Edwards, Section 22, 3671 Highcrest for an 8'6" waterfront variance with a 33-foot setback to construct a deck.

### GENOA TOWNSHIP ZONING BOARD OF APPEALS MAY 14, 2002

#### <u>MINUTES</u>

A regular meeting of the Zoning Board of Appeals was called to order by Chairman Staley at 7:00 p.m. at the Genoa Township Hall. The Pledge of Allegiance was then said.

The following board members were present constituting a quorum for the transaction of business: Rick Staley, Jean Ledford, Polly Skolarus and Judy Stornant. Also present were Township Zoning Administrator Adam VanTassell and approximately 20 persons in the audience.

Moved by Ledford, supported by Stornant, to approve the Agenda with the tabling of petition 02-18. The motion carried unanimously.

A Call to the Public was made with no response.

# 02-13...A request by Gary Spare, Section 10, 5264 Westwood for an 8 foot side yard variance with a 2 foot side yard setback and a 17.5 foot front yard variance with a 17.5 foot setback to construct an addition.

A Call to the Public was made with no response. Moved by Skolarus, supported by Ledford, to approve the variance of 8' on the side and 17.5' on the front, contingent on the home being guttered. The practical difficulty is the narrowness of the lot. The motion carried unanimously.

02-16...A request by Thomas and Beverly Smith, Section 10, 5425 Wildwood, is for a 6.5-foot side yard variance with a 3.5-foot setback and a 31-foot front yard variance with a 4-foot setback to construct an addition.

A Call to the Public was made with the following response: Joyce Matevia. - My home is on the property line and there is enough room for two cars on the side of the house, next to the fence. A letter of support was received from John Benson. Moved by Skolarus, supported by Ledford, to deny the request because of the potential harm to the safety and welfare of the community when there is no place for a garage or parking. The motion failed as follows: Ayes - Skolarus and Ledford. Nay - Stornant and Staley. Moved by Ledford, supported by Skolarus, to table until the next regular meeting of the board when there are five members present to make a decision. The motion carried unanimously.

### 02-18...A request by Mark I Restoration, Section 5, 1091 Victory Dr., is for a 25-foot front yard variance with a 50-foot setback to install additional parking.

Tabled at the petitioner's request.

the lot in LDR zone, the preservation of existing mature trees and the location of the existing home on the site that will not allow the addition in any other place. The motion carried unanimously.

# 02-15...A request by Craig White, Section 28, 4277 Homestead, for a 3-foot side yard variance with a 7-foot setback to construct an attached garage and a side variance to construct an addition on a detached garage.

A Call to the Public was made with no response. The petitioner was advised that no practical difficulty existed for the variance to the accessory structure. The petitioner withdrew his request for the variance for the accessory building. He will comply with the 900-sq. ft. requirement of the ordinance. Moved by Skolarus, supported by Figurski, to grant a 5' variance to the side to allow the construction of an attached garage in the dimensions provided. The practical difficulty is that there is no other feasible location for the placement of the garage. This action would allow the continuation of a nonconforming use. The motion carried unanimously.

# 02-16...A request by Thomas and Beverly Smith, Section 10, 5425 Wildwood, for a 6.5-foot side yard variance with a 3.5-foot setback, 20-foot waterfront variance with a 60-foot setback and a 31-foot front yard variance with a 4-foot setback to construct an addition.

A Call to the Public was made with no response. A letter of support was received from John and Karen Buckley. The petitioner advised the board that the existing home is approximately 1300-sq. ft. in area. Their plan is to remove the existing Florida room (measuring 6' x 20') and deck and replace it with an addition of approximately 672-sq. ft. in area. Moved by Ledford, supported by Figurski, to deny the request since the small lot size and the existence of the present structure is out-weighed by the health and safety impact on the township and the adjacent property owners. The parcel at present does not make allowance for any parking. The petitioner advised the board that they park their vehicles on the neighboring lot that they own. The board felt that the petitioner should combine both lots and make a buildable site that would allow them to meet the standards of the zoning ordinance. Any future sale of the existing home would be a severe problem for anyone purchasing the site in that there is no parking area on the site. In addition, the impervious lot coverage is far in excess of the maximum allowance under the zoning ordinance. Before the board could make a final decision, the petitioner asked if the board could make any compromise on their request. It was the consensus of the board that a split vote would allow the petitioner to ask for a tabling of their request in order to allow them to discuss other options. The motion failed as follows: Aye - Figurski and Ledford. Nay - Skolarus and Staley. Moved by Skolarus, supported by Ledford, to table (at the petitioner's request) until the next regular meeting of the board. The motion carried unanimously.

02-17...A request by Cedar West Development, Section 9, 4300 E. Grand River, for a 10-foot front yard variance with a setback of 60 feet for an existing structure with

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### 01-48...A request by Brian Lynn, Section 10, 733 Pathway, is for a 27-foot rear yard and a 6 foot side yard variance to construct an attached garage.

A Call to the Public was made with no response. Moved by Figurski, supported by Ledford, to grant a 6' variance on the northwest side and a 27' variance to the rear contingent upon the building being guttered. The extraordinary circumstance is the topography and unusual lot size. The motion carried as follows: Ayes - Figurski, Ledford, Hensick and Skolarus. Nay - Staley.

# 02-06...A request by Donald Toomey, Section 28, 4510 Oak Pointe Drive, is for a variance to allow the construction of an accessory structure on a lot without a primary residence.

A Call to the Public was made with the following response: Letters of objection were received from Paul and Cecile Henderson, David Loan, Jean Merrion and Glenn and Bonnie Price. The following persons addressed the board: David Lardinais (representing the Oak Pointe Homeowners Association) - We believe that there are easements for this property but not ownership of the land. Oak Pointe is a fenceless community by covenant and we feel that this parcel should abide by the restrictions. David Merrion - I am opposed to the variance. This request is not compatible with the neighborhood and may decrease the value of my property. Rich Rachner - I believe that this structure is not compatible with the neighborhood. Dave Parker - This is an area of quality homes. The homeowner's association should follow suit and not allow fences. Connie DeLuca - I am opposed to this building being constructed before the residential structure. Skolarus - Mr. Toomey - Your neighbors are concerned with the fence will you relinquish your permit? Toomey - I will relinquish the fence construction permit.

The board reviewed Adam Van Tassell's memorandum of 02-07-02. It was determined that since Mr. Price was not present his request to rescind the permit was not an appropriate action for the Zoning Board to take. Mike Olson (Attorney for Mr. Price) addressed the board - We agree that the establishment of ownership of the property is necessary before the Zoning Board can act. Toomey - I retract that I have a right to put up a fence. Staley - In light of Mr. Olson's presence and under the township-zoning ordinance, we should take action rescinding Archinal's permit. Hensick disagreed. Moved by Skolarus, supported by Ledford, to rescind the township manager's previous action concerning the construction of a fence and to revoke the fence permit for Mr. Toomey. The motion carried unanimously.

Moved by Hensick, supported by Ledford, to table the request until such time as the petitioner can provide clear ownership of the property to which he seeks a variance. The motion carried unanimously.

02-07...A request by Thomas and Beverly Smith, Section 10, 5425 Wildwood, is for a 6.5-foot side yard variance with a 3.5-foot side yard setback and a 2-foot side yard variance with an 8-foot side yard setback to construct an addition. A Call to the Public was made with the following response: John Benson - I am opposed to the 2' variance on the south side. I have no objection to the other variances being granted. Letters of objection were received from John Benson and Karen Buckley. Moved by Hensick, supported by Ledford, to deny the variances sought. The overall lot coverage is 90% more that what is allowed in the ordinance. There is also a safety factor with the house being located right on the edge of the road. The motion carried unanimously.

### 02-08...A request by Janet Henry, Section 34, 5050 Kintyre Lane, is for a variance to install a lighted ground sign for a Bed and Breakfast in a residential area.

A Call to the Public was made with the following response: Joan LaCroix - I am not happy with the Bed and breakfast and do not want to see a lighted sign. Richard Starns -There are already two spotlights on the trees on the lot. I object to more light. Ms. Morrison - I have no objection to the bed and breakfast, but the lighted sign is not normal to this use and I object to the sign and the light. Moved by Skolarus, supported by Hensick, to grant the variance for signage along Brighton Road. The sign will be no more than 2.5' off the ground and measure no larger than 3' x 3' in area, as provided in the application for variance. This action is contingent on no lighting be allowed to illuminate the signage because it is located in a residential area. The practical difficulty is the need for identification of the location of the facility for persons using the bed and breakfast. The motion carried as follows: Ayes - Skolarus, Hensick, Ledford and Staley. Nay -Figurski.

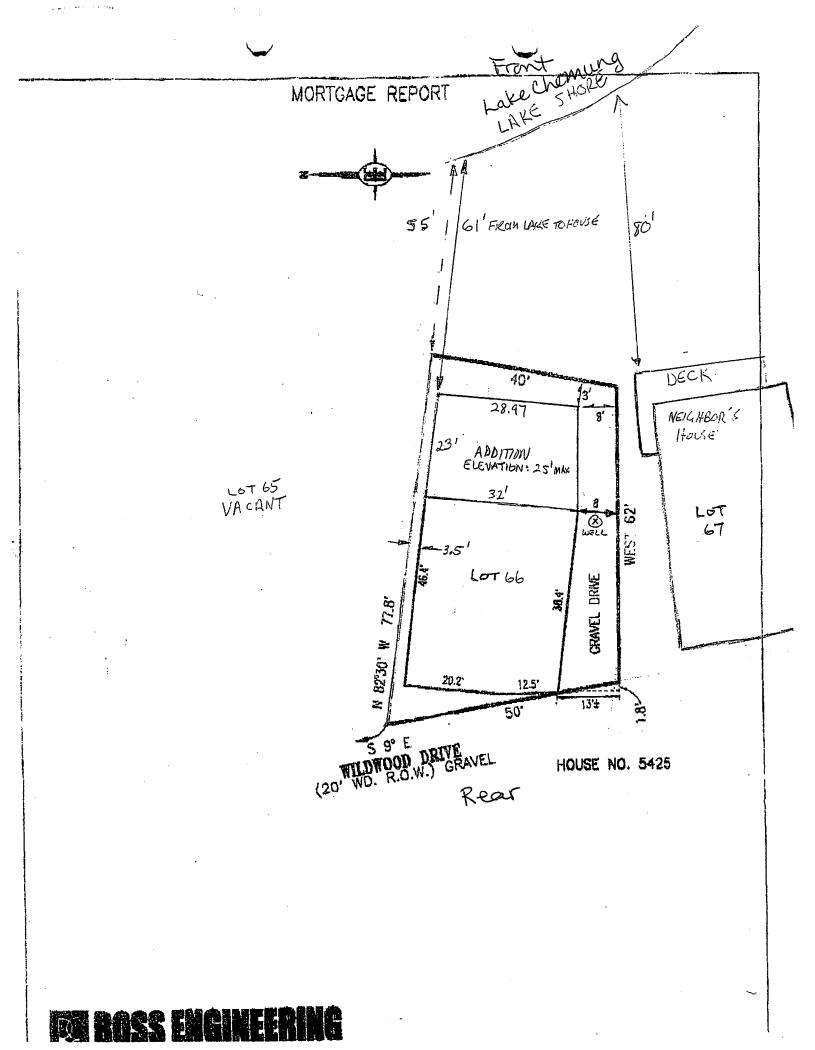
### 02-09...A request by Chris and Jean Hensick, Section 1, 7589 McClements, is for a 3-foot side yard variance with a 17-foot side yard setback to construct an addition.

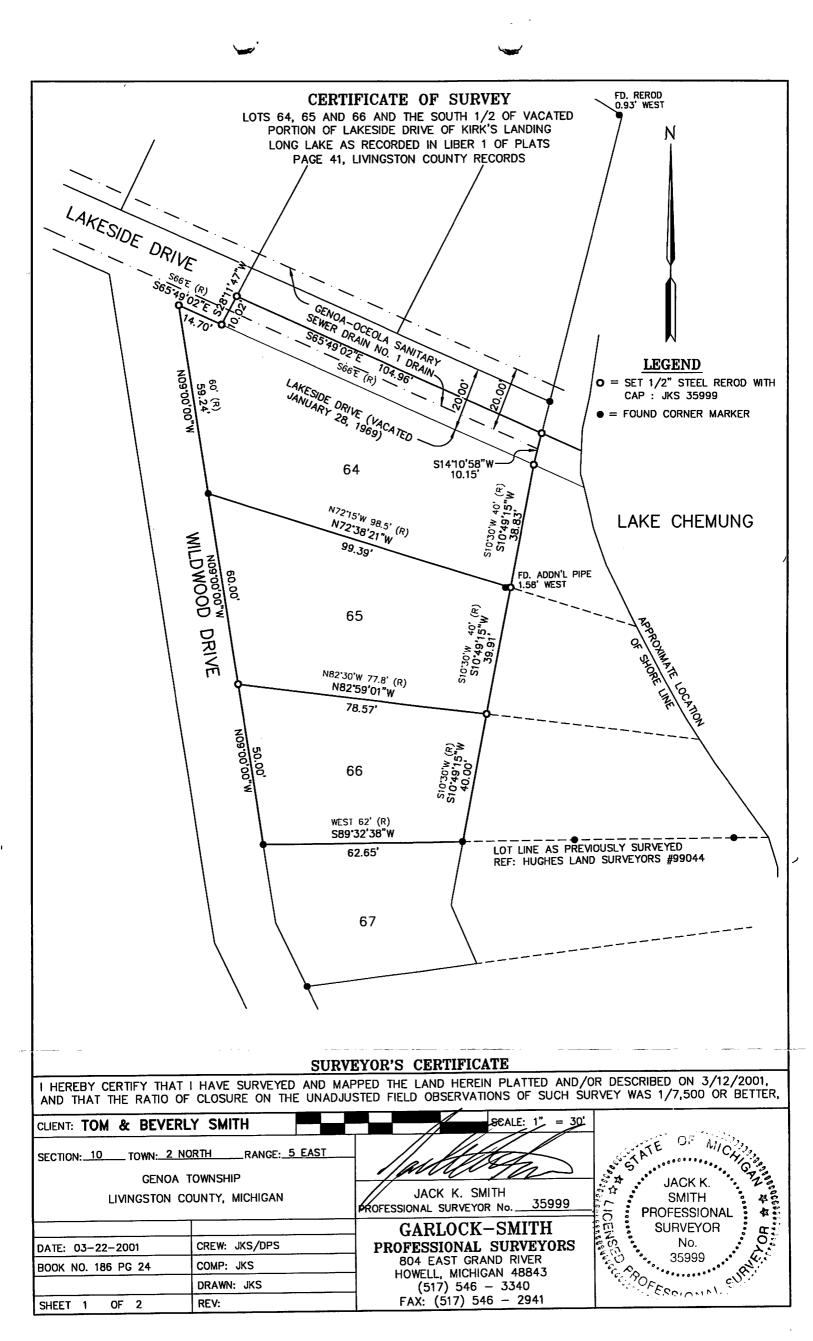
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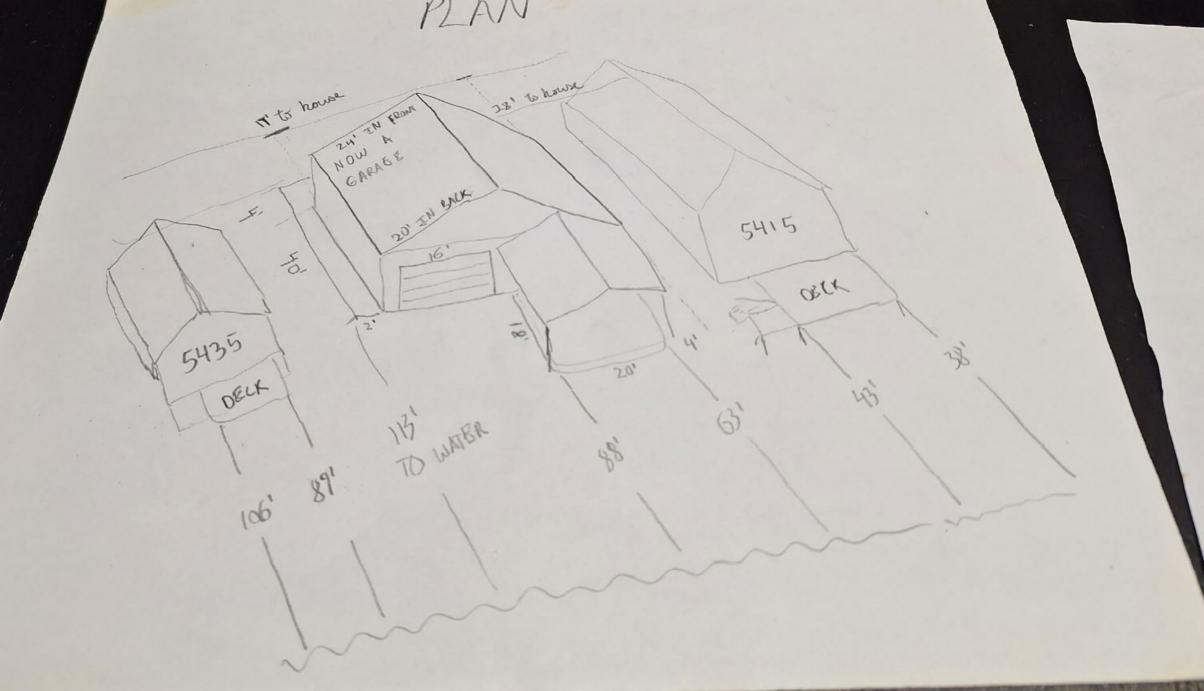
Hensick advised the board that he would abstain from discussion and voting and that his wife Jean would represent their petition. A Call to the Public was made with no response. Moved by Skolarus, supported by Figurski, to grant a 3' variance to construct an addition. The practical difficulty is the unusual orientation of the existing home on an irregularly shaped lot. The motion carried unanimously.

### 02-10...A request by David Templeton, Section 12 at 1600 Euler Road, is for a 50foot variance from wetlands with a 50-foot wetland setback for an accessory structure.

A Call to the Public was made with the following response: Letters of objection were received from Attorney Michele Formes representing Walter and Jane Wasilewski, and from Scott Williams. The petitioner advised the board that he services tires on heavy equipment. He carries no inventory on his property or hazardous materials. Moved by Hensick, supported by Figurski, to table the petition until the Templetons can supply a boundary survey in relation to the pond, easement, home and barn. The motion carried unanimously.







NOW 3' to property 1 2000 13° ADDITION TO REMOVE F EASEMENT 4'-3' 401 • 8 121 4' is property

Genoa Township Zoning Board of Appeals Attn: Amy Ruthig, Planning Director 2911 Dorr Road Brighton, MI 48116 amy@genoa.org

### Re: Proposed variance for 5425 Wildwood Drive – Robert Dow/Ventures Design

Dear Amy:

I am writing this letter as the manager and sole member of MVHMHM-1, LLC, a Michigan limited liability company, which is the record owner of the property commonly known as 5435 Wildwood Drive. This letter addresses my concerns regarding Robert Dow of Ventures Design's proposed variance at property 5425 Wildwood Drive. As the next-door property owner, I realize property owners face difficulties when constructing or modifying houses on Wildwood Drive. The narrow and odd-shaped parcels originated from the desire to have mere lake cottages on them. The desire for larger square footage houses and expansive garages, which vary from the permitted dimensions under Genoa Township's ordinance, is often not feasible, and presumably was drafted in this manner to ensure all owners of lakeshores residential real estate have the ability to continue to enjoy and use their own parcels.

As the Board is likely well aware, the stretch of houses (including 5435 Wildwood Drive and 5425 Wildwood Drive) are already densely compacted with very little setback between parcels. In particular, the proposed 2-foot setback from Mr. Dow's side yard will only exacerbate this condition further. Due presumably to the fact that construction of the residence on 5435 Wildwood Drive occurred before the current version of the Township's Zoning Ordinance, the primary structures sit closer together than would otherwise be permitted already. I observed the improvement to 5425 Wildwood Drive as described in your letter dated March 1, 2024, and I was under the assumption that Mr. Dow had performed the improvements to 5425 Wildwood Drive to add the covered patio with the Township's approval and/or within the confines of the Township's ordinance.

With the current knowledge that this was not the case, in addition to the above, permitting the proposed variance by Mr. Dow will undoubtedly impact the curb appeal and desirability of 5435 Wildwood and all other neighboring parcels due to the unauthorized improvements by promoting additional crowding on this stretch of houses and potentially lead to a significant decrease in property values.

That said, the waterfront setback variance requested by Mr. Dow seems a more viable option as it avoids the overcrowding factor that is discussed above. If the Township were to permit this type of variance, or any other type of variance, I would also want to ensure that the existing covered patio, solar panels, gas heater system, and any other installations or fixtures covered by the Township's ordinance which have been installed have all undergone the necessary installation, code, and inspections to mitigate the possibility of any potential fire and gas hazards to the adjacent properties which may be caused by nonconforming improvements.

If you have any questions, comments, or concerns, please contact me at my email address listed at the bottom of this letterhead. I appreciate your time and consideration.

Sincerely,

Keather Mayor

Heather Mayor,

Manager and sole member of MVHMHW-1, LLC heather.a.mayor@gmail.com

From:	Karen Buckley
To:	Amy Ruthig
Subject:	Regarding case number ZBA 24-08, 5425 Wildwood Dr., Howell
Date:	Tuesday, March 12, 2024 12:59:23 PM

Dear Ms.Ruthig:

We are willing to allow the existing covered patio on the single family home of Robert Dow. However, we are opposed to any further additions to this patio or any further structures. Thank you.

Karen A. Buckley John A. Benson 5440 Wildwood Dr. Howell, MI 48843 (517) 548-6702

Sent from my iPad

Parcel Number: 4711-10-102-066 Jurisdiction: GENOA CHARTER TOWNSHIP County: LIVINGSTON

Printed on 03/14/2024

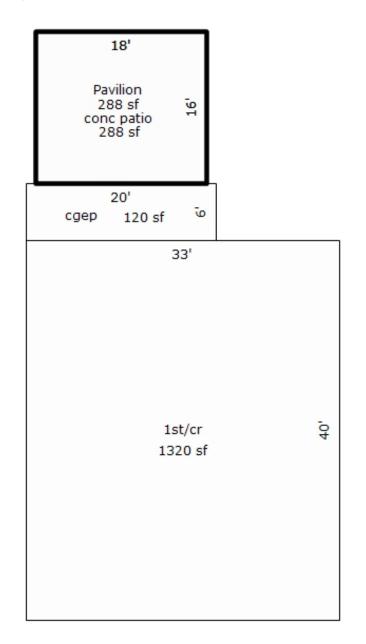
Grantor	Grantee		Sale Price	Sale Date	Inst. Type	•	Terms of Sale			Ver By	ified		Prcnt. Trans.	
DOW ROBERT & RENEE, COMER	DOW ROBERT & REN	IEE	1	01/20/202	20/2022 QC		21-NOT USED/OTHE	R 2	2022R-003703		2022R-003703 BUYER/SELLER			0.0
SMITH, THOMAS E. & BEVERLY	THOMAS E. & BEVERLY DOW ROBERT & RENEE, COMER		160,000	02/27/201	.3 WD	(	03-ARM'S LENGTH	2	013R-0091	40 BUY	BUYER/SELLER		100.0	
LEE, JOHN P.	SMITH, THOMAS E.	& BEVERLY	178,000	09/06/200	0 WD	(	03-ARM'S LENGTH	2	837/0149	BUY	ER/SELLER		100.0	
Property Address		Class: RE	SIDENTIAL-IMPR	OV Zoning:	LRR	Build	ding Permit(s)		Date	Number		Status		
5425 WILDWOOD		School: H	OWELL PUBLIC S	CHOOLS										
		P.R.E.	0%											
Owner's Name/Address		MAP #: V2	4-08											
DOW ROBERT & RENEE		2024 E	st TCV 320,703	TCV/TFA:	242.96									
		X Improv	ed Vacant	Land V	alue Es	timat	es for Land Tabl	Le 4301.WES	T LAKE CH	EMUNG				
CANTON MI 40107 1407		Public					* E	Factors *						
		Improv	ements								n			
Tax Description														
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LAKE LOT 66														
Comments/Influences			lk	Land T	mprovem	ent C	'ost Estimates							
		Water				ciic c	Jose Distinutes		Rate	Size	% Good	Cash	Value	
			ic						6.47	288	50		931	
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			- 1 1 .		-	PATR/	PICSA			288	50 socia	Cubii	4,370	
						То	tal Estimated La	and Improve	ments Tru	e Cash V	/alue =		5,301	
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	man and have a			Year		Land	Building	Asses	sed H	Board of	Tribuna	1/ т	 [axable	
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and and and and	in the second			2024	63	8,800	96,600	160,	400			12	26,569C	
4711-10-102-066					63	8,800	90,200	154,	000			12	20,542C	
1	Induction         Pate         Type         S Page         Py         T           Inderst a Reverse, COMER DOW HORSRY & HENDER, COMER         160,000         02/27/2013         RD         03-ARM'S ISHOTH         2013R-009140         RUVERA/SELLER         I           CTFF, THOMAS E, & BRUER, MOM HORSRY & HENDER, COMER         160,000         02/27/2013         RD         03-ARM'S ISHOTH         2013R-009140         RUVERA/SELLER         I           S, COME P.         SMITH, THOMAS E, & BENDER, COMER         160,000         02/27/2013         RD         03-ARM'S ISHOTH         2037-0149         RUVERA/SELLER         I           S, COME P.         SMITH, THOMAS E, & BENDER, LONDRID, LINEROULE         ISHEDMOOD         SChool : HOWER, LINEROULE POBLIC SCHOOLS         Date         Number - Status           S FILDMOOD         School : HOWER & SCHOLS         Rup H: V24-08         ISHEDMOOD         School : HOWER & SCHOLS         ISHEDMOOD         ISHEDMOOD         ISHEDMOOD <td< td=""><td></td></td<>													
		14,802C												

Residential Building 1 of 1

#### Parcel Number: 4711-10-102-066

Printed on 03/14/2024

Building Type	(3) Roof (cont.)	(11) Heating/Cooling	(15) Built-ins	(15) Fireplaces	(16) Porches/Decl	ks (17) Garage
Yr Built Remodeled 1930 2006 Condition: Good	Eavestrough Insulation         0         Front Overhang         0         Other Overhang         (4)         Interior         (4)         Drywall         Paneled         Paneled         Ex         X         Ord         Min         Size         Lg       X         Solid       X         H.C.	XGas WoodOil CoalElec. SteamForced Air w/o Ducts Forced Air w/ Ducts Forced Hot Water Electric Baseboard Elec. Ceil. Radiant Radiant (in-floor) Electric Wall Heat 	Appliance Allow. Cook Top Dishwasher Garbage Disposal Bath Heater Vent Fan Hot Tub Unvented Hood Vented Hood Intercom Jacuzzi Tub Jacuzzi repl.Tub Oven Microwave Standard Range Self Clean Range Sauna		,373 E.C.F	Exterior: Exterior: Brick Ven.: Stone Ven.: Common Wall: Foundation: Finished ?: Auto. Doors: Mech. Doors: Area: % Good: Storage Area: No Conc. Floor: Bsmnt Garage:
1st Floor 2nd Floor	<pre>(5) Floors Kitchen: Other:</pre>	(12) Electric 0 Amps Service	Trash Compactor Central Vacuum Security System	Estimated T.C.V: 187,		Carport Area: Roof:
4     Bedrooms       (1)     Exterior       X     Wood/Shingle       Aluminum/Vinyl       Brick       Insulation       (2)     Windows       X     Avg.       Y     Avg.       Few     Small       Wood Sash       Metal Sash       Vinyl Sash       Double Hung       Horiz.       Slide	<pre>(6) Ceilings (6) Ceilings (7) Excavation Basement: 0 S.F. Crawl: 1320 S.F. Slab: 0 S.F. Height to Joists: 0.0 (8) Basement Conc. Block Poured Conc. Stone</pre>	No./Qual. of Fixtures Ex. X Ord. Min No. of Elec. Outlets Many X Ave. Few (13) Plumbing Average Fixture(s) 2 3 Fixture Bath 2 Fixture Bath 3 Softener, Auto Softener, Manual Solar Water Heat No Plumbing Extra Toilet Extra Sink Separate Shower Ceramic Tile Floor	<pre>(11) Heating System: Ground Area = 1320 SF Phy/Ab.Phy/Func/Econ/ Building Areas Stories Exterior 1 Story Siding Other Additions/Adjus Plumbing 3 Fixture Bath Porches CGEP (1 Story) Water/Sewer Public Sewer Water Well, 200 Fee Notes:</pre>	F Floor Area = 1320 (Comb. % Good=71/100/1 F Foundation Crawl Space stments	SF. 100/100/71 Size Cos 1,320 Total: 16 1 120 1 120 1 120 1 120 1 120 1 120 1 120 1 120 1 120 1 120 1 120 120	Cls CD Blt 1930 t New Depr. Cost 1,911 114,957 4,052 2,877 8,129 5,772 1,392 988 0,889 7,731 6,373 132,325
Casement       Double Glass       Patio Doors       Storms & Screens       (3) Roof       X     Gable       Hip     Mansard       Flat     Shed       X     Asphalt Shingle       Chimney: Brick	Treated Wood Concrete Floor (9) Basement Finish Recreation SF Living SF	Ceramic Tile Wains Ceramic Tub Alcove Vent Fan (14) Water/Sewer 1 Public Water 1 Water Well 1000 Gal Septic 2000 Gal Septic Lump Sum Items:	ECF	(4307 W. LK CHEMUNG I	LK FRONT) 1.420 =>	TCV: 187,902





GENOA CHARTER TOWNSHIP VARIANCE APPLICATION

2911 DORR ROAD | BRIGHTON, MICHIGAN 48116 (810) 227-5225 | FAX (810) 227-3420

Case # 24-09 Mee	ting Date: Board room@ 6:30pm ID Variance Application Fee
\$215.00 for Residential   \$300.00 for Sig	gn Variance   \$395.00 for Commercial/Industrial
Applicant/Owner: Nancy Dykema	Email:nmdykema@gmail.com
Property Address:_4053 Homestead Dr	Phone:517-388-8040
Present Zoning:	Tax Code: 1-28-201-013

### <u>ARTICLE 23</u> of the Genoa Township Zoning Ordinance describes the Variance procedure and the duties of the Zoning Board of Appeals.

Each application for Variance is considered individually by the ZBA. The ZBA is a board of limited power; it cannot change the Zoning Ordinance or grant relief when it is possible to comply with the Zoning Ordinance. It may provide relief where due to unique aspects of the property with strict application of the zoning ordinance to the land results in practical difficulties or unnecessary hardship.

The applicant is responsible for presenting the information necessary to support the relief requested. While much of the necessary information is gathered through the completed application, other information may be gathered by on-site visits, other sources, and during the ZBA meeting. ZBA members, township officials and township staff may visit the site without prior notification to property owners.

### Failure to meet the submittal requirements and properly stake the property showing all proposed improvements may result in postponement or denial of this petition.

Please explain the proposed variance below:

1. Variance requested/intended property modifications:\_\_\_\_\_

Request variance for South side of house to be 6.7' instead of 10' from property line.

Request variance for height of 11.5" Applicant is not requesting a height variance.

Please note that the packet and staff report for your scheduled Zoning Board of Appeals meeting will be available to review at <u>https://www.genoa.org/government/boards/zoningboard</u> five days prior to the meeting.

The following is per Article 23.05.03 of the Genoa Township Ordinance:

<u>Criteria Applicable to Dimensional Variances.</u> No variance in the provisions or requirements of the Ordinance shall be authorized by the Board of Appeals unless it is found from the evidence that <u>all</u> of the following conditions exist:

Under each please indicate how the proposed project meets each criteria.

<u>Practical Difficulty/Substantial Justice.</u> Compliance with the strict letter of the restrictions governing area, setbacks, frontage, height, bulk, density, or other dimensional provisions would unreasonably prevent the use of the property. Granting of a requested variance or appeal would do substantial justice to the applicant as well as to other property owners in the district and is necessary for the preservation and enjoyment of a substantial property right similar to that possessed by other properties in the same zoning district and vicinity of the subject parcel.

Property is very narrow. Compliance to the side setback would result in an extremely narrow house & garage.

<u>Extraordinary Circumstances</u>. There are exceptional or extraordinary circumstances or conditions applicable to the property or the intended use which are different than other properties in the same zoning district or the variance would make the property consistent with the majority of other properties in the vicinity. The need for the variance was not self-created by the applicant.

The lot is extremely narrow, but deep. The variance is requested to allow for a comfortable home width and reasonable design making curb appeal better.

<u>Public Safety and Welfare</u>. The granting of the variance will not impair an adequate supply of light and air to adjacent property or unreasonably increase the congestion in public streets, or increase the danger of fire or endanger the public safety, comfort, morals or welfare of the inhabitants of the Township of Genoa.

By allowing a variance on the South side of the property, this will increase the distance of the new structure on the north side of the property to 5'. It is currently just over 2'. This increase will improve occupant safety in both homes in case of fire or other emergency, allowing for easier access for responders.

<u>Impact on Surrounding Neighborhood.</u> The variance will not interfere with or discourage the appropriate development, continued use, or value of adjacent properties and the surrounding neighborhood.

Granting this variance will allow the construction of a new home with higher value than the current home.

Attendance by the applicant is required at the Zoning Board of Appeals meeting.

Any Variance not acted upon within 12 months from the date of approval is invalid and must receive a renewal from the Zoning Board of Appeals (ZBA).

After the decision is made regarding your Variance approval a land use permit will be required with additional site plans and construction plans.

Mancy Dyhema Date: 2/4/2024 Signature: \_\_\_\_



2911 Dorr Road

genoa.org

Brighton, MI 48116 810.227.5225 810.227.3420 fax TO: FROM: DATE:

RE:

Genoa Township Zoning Board of Appeals Amy Ruthig, Planning Director March 14, 2024

ZBA 24-09

\_\_\_\_\_

### STAFF REPORT

MEMORANDUM

File Number: ZBA#24-09 Site Address: 4053 Homestead Drive Parcel Number: 4711-28-201-013 Parcel Size: 0.312 Acre Dykema, Nancy, 4053 Homestead Drive, Howell Applicant: **Property Owner:** Same as Applicant Information Submitted: Application, site plan, conceptual drawings **Request: Dimensional Variance Project Description**: Applicant is requesting two side yard setback variances to construct a new home.

**Zoning and Existing Use:** LRR (Lakeshore Resort Residential) Single Family Dwelling located on property.

### Other:

Public hearing was published in the Livingston County Press and Argus on Sunday March 3, 2024 and 300-foot mailings were sent to any real property within 300 feet of the property in accordance with the Michigan Zoning Enabling Act.

#### Background

The following is a brief summary of the background information we have on file:

- Per assessing records the parcel has an existing single-family dwelling built in 1945.
- The property utilizes a well and public sewer system.
- See Real Record Card.

SUPERVISOR

**Bill Rogers** 

CLERK Paulette A. Skolarus TREASURER Robin L. Hunt TRUSTEES Jean W. Ledford

Terry Croft Diana Lowe

Jeff Dhaenens

MANAGER Kelly VanMarter

#### **Summary**

Applicant is seeking two side yard setback variances to demolish an existing single-family home and construct a new single-family home. Applicant is proposing to remove the front non-conforming shed. Applicant did receive approval from the Utility Director for the proposed grinder pump location. However, staff did not receive the approval letter from the Utility Director prior to the date of the packet.

Applicant withdrew the height variance request.

#### Variance Requests

The following is the section of the Zoning Ordinance that the variance is being requested from:

#### Table 3.04.01 (LRR District)

- (k) **LRR Side Yards:** In the LRR Zoning District one of the side yards may be reduced to a minimum of five (5) feet where all of the following are met:
  - (1) The other side yard must be at least ten (10) feet.
  - (2) The distance between the building and any building on the adjacent lot shall be no less than ten (10) feet.
  - (3) The roof shall have gutters. (as amended 3/5/10)

SINGLE FAMILY STRUCTURE	Side Yard Setback North	Side Yard Setback South
REQUIRED SIDE YARD		
SETBACK	10'	10'
PROPOSED SIDE YARD		
SETBACKS	5′	6.7′
REQUESTED SIDE YARD		
VARIANCE	5′	3.3′

### <u>Summary of Findings of Fact-</u>After reviewing the application and materials provided, I offer the possible findings of fact for your consideration:

Please note that in order for a variance to be approved it has to meet all of the standards in 23.05.03.

- (a) Practical Difficulty/Substantial Justice –Strict compliance with the setbacks would cause the applicant to be unable to construct the proposed single-family home. There are other homes in the vicinity with reduced side yard setbacks that would support substantial justice and is necessary for the preservation and enjoyment of a substantial property right similar to that possessed by other properties in the same vicinity of the subject parcel.
- (b) Extraordinary Circumstances The exceptional or extraordinary condition of the property is the narrowness of the lot and it is a non-conforming lot in the LRR district. It appears the need for the variances is not self-created and is the least amount necessary.
- (c) Public Safety and Welfare The granting of the variances will not impair an adequate supply of light and air to adjacent property or unreasonably increase the congestion in public streets, or increase the danger of fire or endanger the public safety, comfort, morals or welfare of the inhabitants of the Township of Genoa.
- (d) Impact on Surrounding Neighborhood The proposed variances would have little impact on the appropriate development, continued use, or value of adjacent properties and the surrounding neighborhood.

### **Recommended Conditions**

If the Zoning Board of Appeals grants the variance requests, staff recommends the following conditions be placed on the approval:

1. If retaining walls are required, they must adhere to the Township Zoning Ordinance and receive a land use permit.

2. Structure must be guttered downspouts.

11-28-201-011 4045 HOMESTEAD DR

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11-28-201-012 4049 HOMESTEAD DR

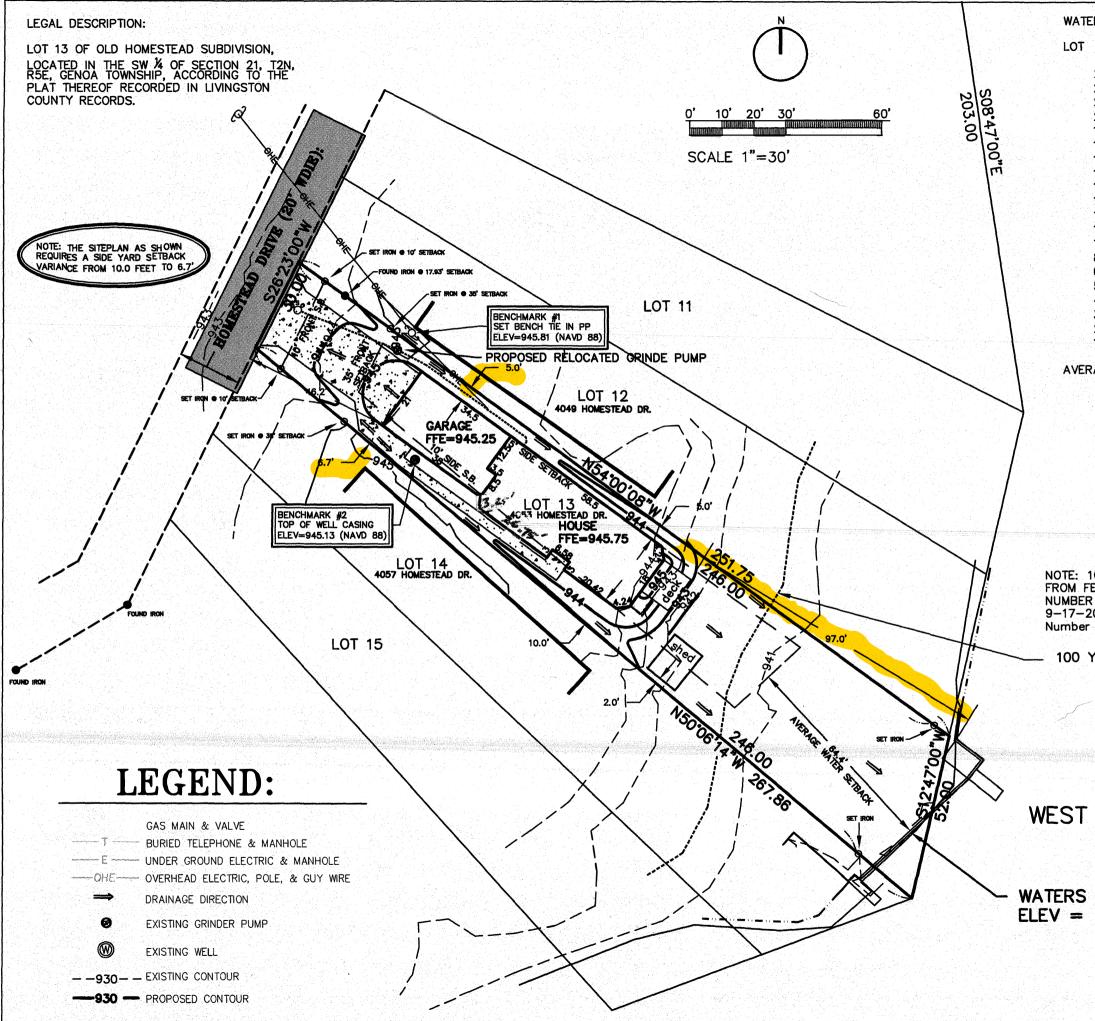
11-28-201-013 4053 HOMESTEAD DR

11-28-201-014 4057 HOMESTEAD DR

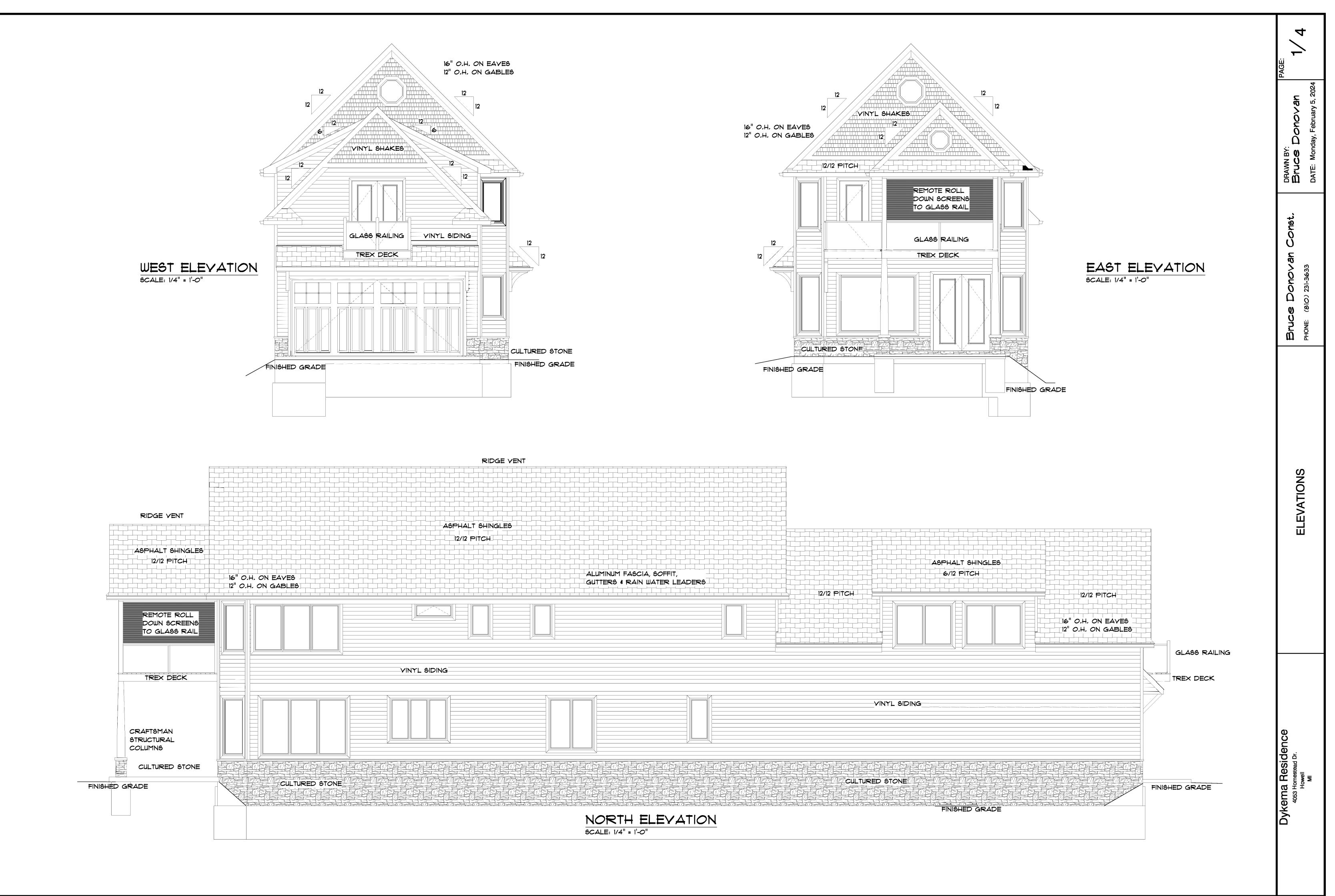
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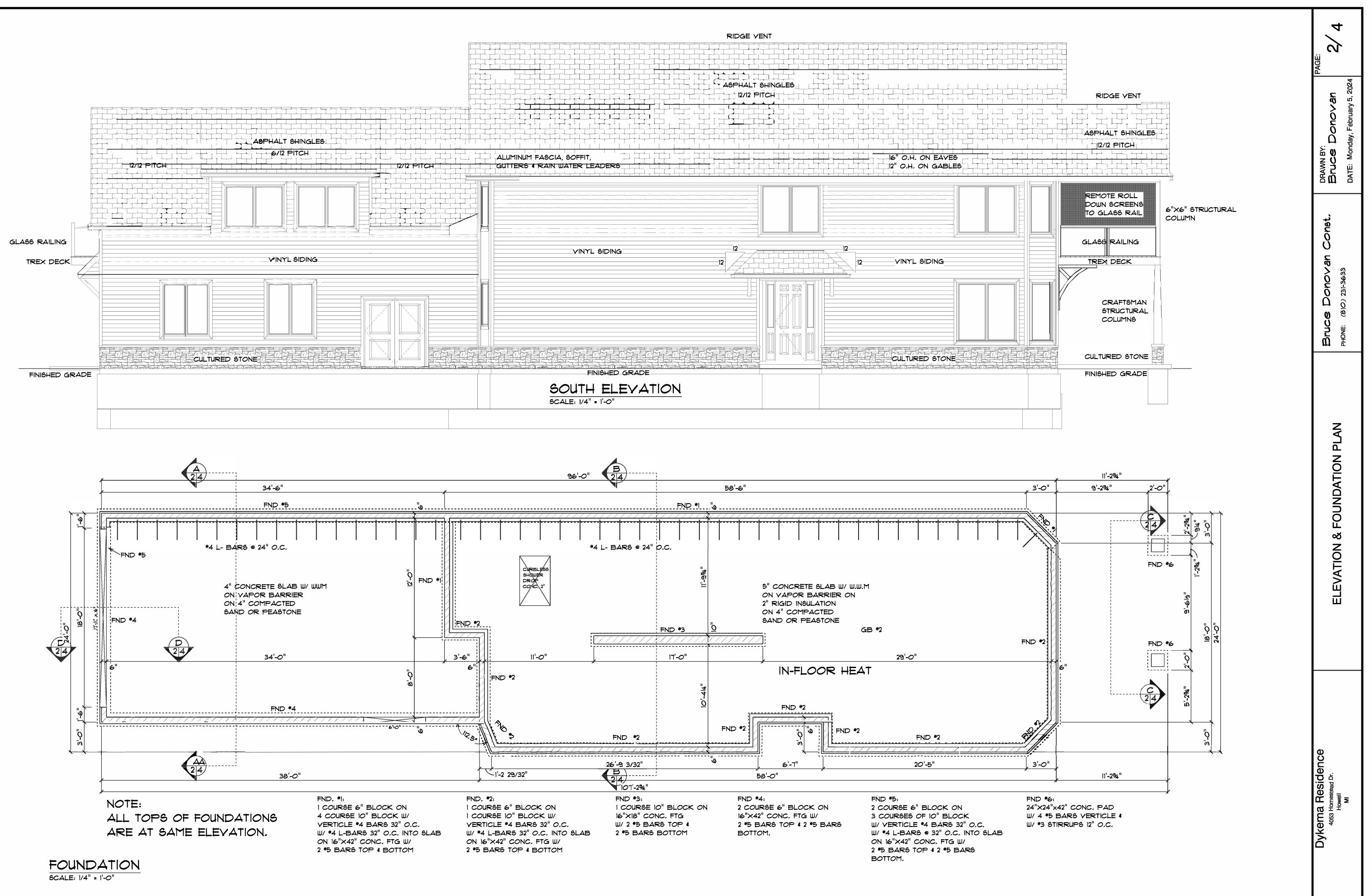
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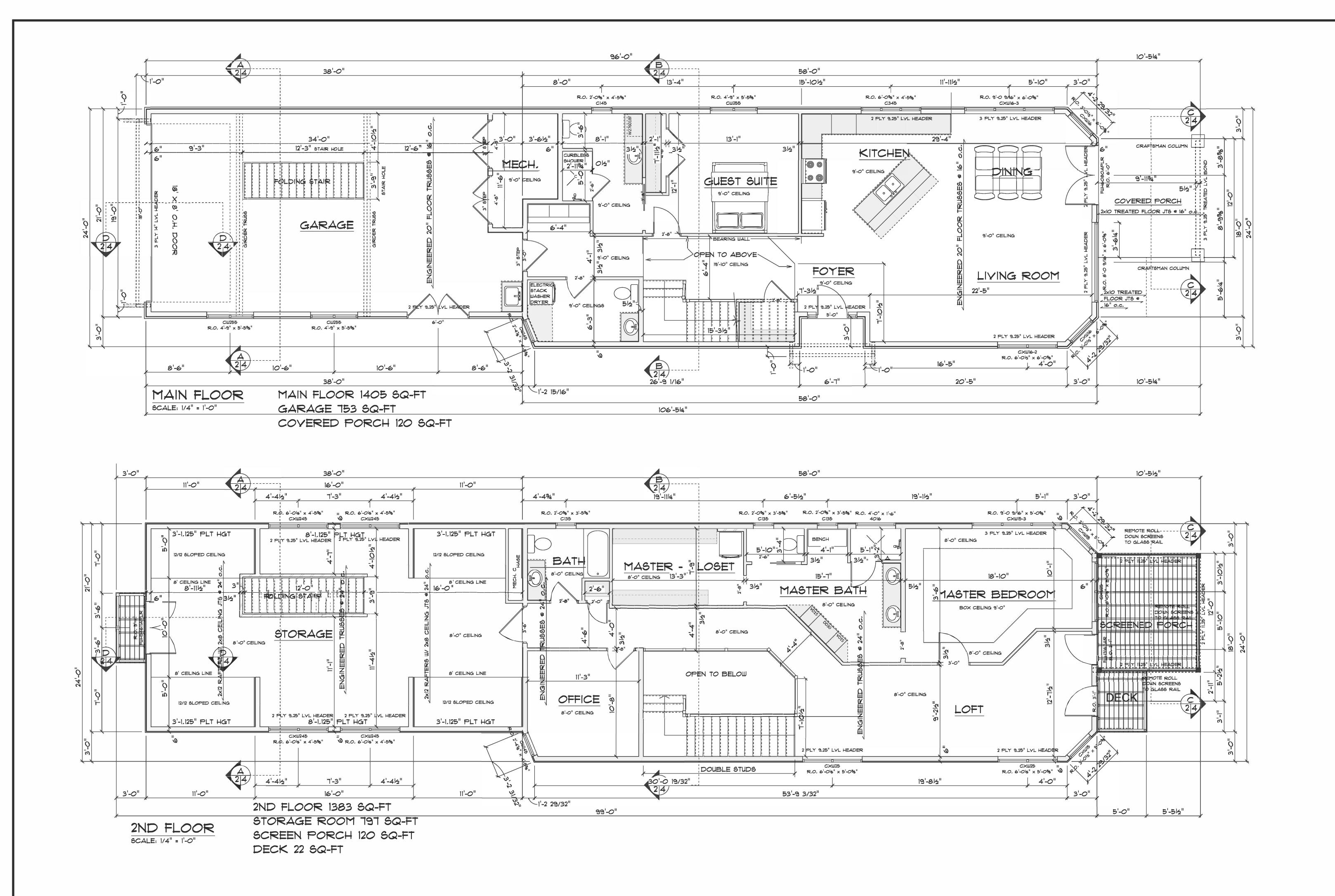


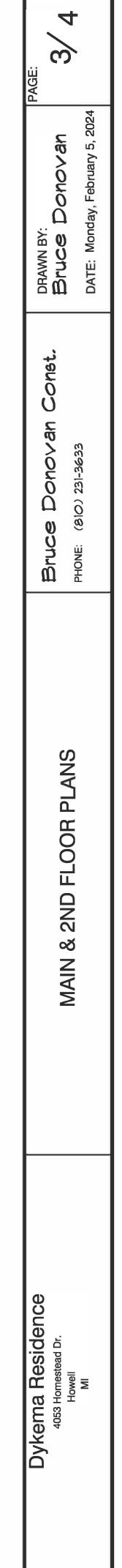
NUMBER	DISTANCE TO WATER	<b>?</b>		
23	<b>47'</b>			444-
22 21	38' 44'			
20	43'			$\downarrow \downarrow \downarrow$
19	41'			
18	57'			
17 16–15	58' 67'			
14	88			
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'' 10–9	66'			
8–7	35'			
6	49'		NI K	
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3	96'		NAN Dage Dage Dage Dage Dage Dage Dage Dage	
2	60'		AND	
	45'		DEVELOPERI DEVELOPERI MARK AND NANCY DYKEMA Markedykemo@gradi.com mmdykemo@gradi.com	
AGE SETBACK =	1224'/19 = 64.4'			
MA COMMUNITY	PLAIN ELEVATION T NO: 26083, PANEI WTH EFFECTIVE DA		OMESTEAD DRIVE	D SITE PLAN
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DOB. ELEVATION 14-05-1272A I R. FLOODPLAIN CROOKE	941.3 per LOMA C Dated 11-25-2013	ase	ACE	0 N I Z J N I O N J Y J

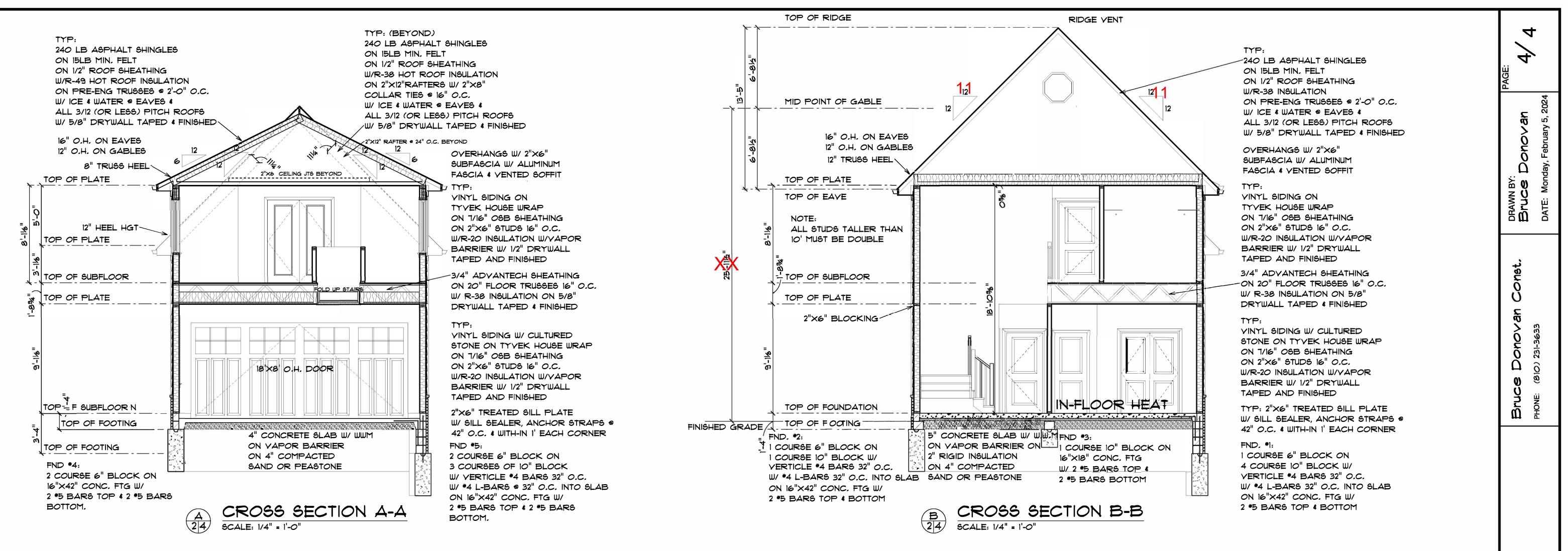


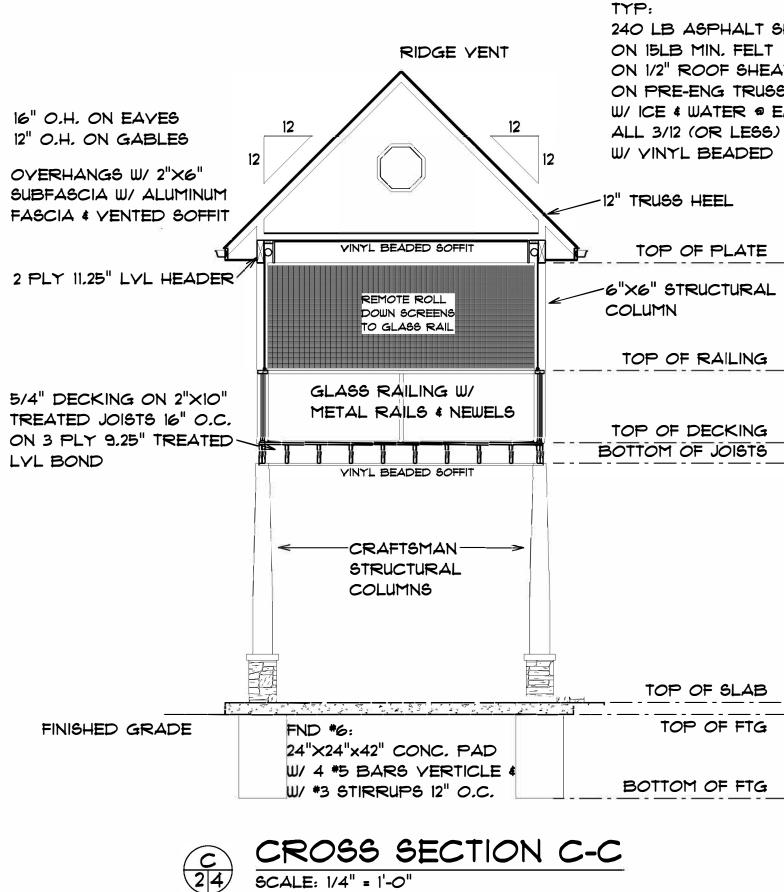
NORTH	ELEVATION
SCALE: 1/4" = 1	-0"





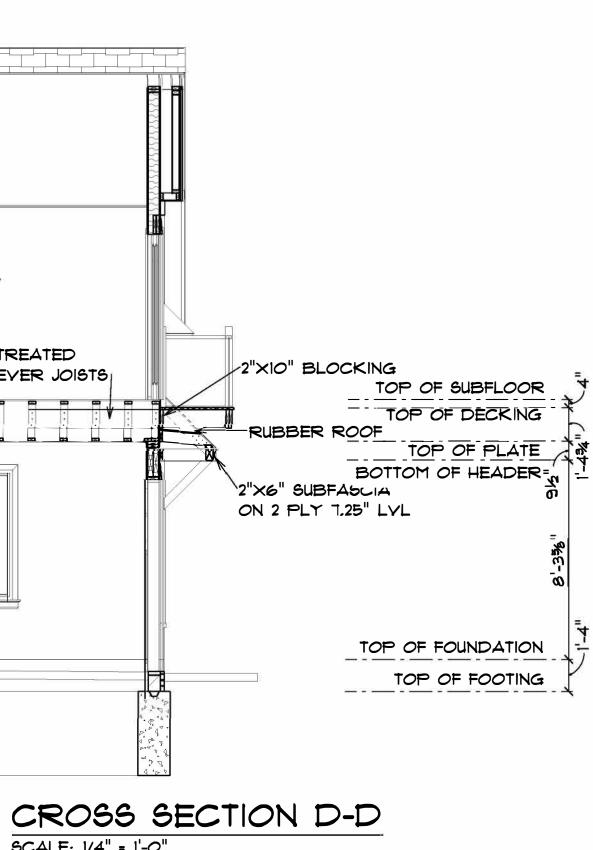






## Applicant has stated that the roof will be revised to an 11/12 pitch and is not requesting a height variance.

240 LB ASPHALT SHINGLES ON 1/2" ROOF SHEATHING ON PRE-ENG TRUSSES @ 2'-O" O.C. W/ ICE & WATER @ EAVES & ALL 3/12 (OR LESS) PITCH ROOFS W/ VINYL BEADED SOFFIT 2"XIO" TREATED CANTILEVER JOISTS  $\begin{pmatrix} D\\ 2|4 \end{pmatrix}$ SCALE: 1/4" = 1'-0"



Dykema Residence 4053 Homestead Dr. Howell MI

SNC

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CROSS

Parcel Number: 4711-28-201-013 Jurisdiction: GENOA CHARTER TOWNSHIP County: LIVINGSTON

Printed on 03/14/2024

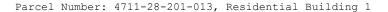
Grantor	Grantee	Grantee		Sale Date	Inst. Type		Terms of Sale		Liber & Page 2018R-020937		Verified By BUYER/SELLER		Prcnt. Trans.
LANZON, OLIVER DYKEMA NANCY		250,000		07/31/2018	WD								
Property Address	·	Class: RE	SIDENTIAL-IMPR	OV Zoning: 1	LRR I	Build	ding Permit(s)		Date	Number		Status	3
4053 HOMESTEAD DR		School: E	RIGHTON AREA S	CHOOLS									
		P.R.E. 10	0% 12/29/2021										
Owner's Name/Address		MAP #: V2	4-09										
DYKEMA NANCY		2024 E	st TCV 367,654	TCV/TFA: 3	867.29								
4053 HOMESTEAD DR HOWELL MI 48843		X Improv	ed Vacant	Land Va	Land Value Estimates for Land Table 4304.OLD HOMESTEAD								
		Public					* ]	Factors *					
		Improv		Description Frontage Depth Front Depth						on		Value	
Tax Description		Dirt R		A LAKE C SURPL		5	50.00 261.00 1.00 2.00 261.00 1.00		4500 1 2000 1				5,000 4,000
SEC. 28 T2N, R5E, OLD H	OMESTEAD LOT 13	Gravel Paved				Front	Feet, 0.31 Tota			lst. Land	Value =		9,000
Comments/Influences		Storm											
		Sidewa	lk	Land Im	proveme	ent C	Cost Estimates						
		Water Sewer		Descrip	tion				Rate		% Good	Cash	h Value
		Electric		Wood Fr Wood Fr					24.96 25.82	150 128	50 50		1,872 1,652
		Gas		WOOd FI	allie	Тс	otal Estimated La						3,524
		Curb	Lights					-					
			rd Utilities										
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AL TO REAL STRATE		High											
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		Swamp Wooded											
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		Ravine Wetlan											
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		X REFUSE				alue	Value		lue	Review	Oth		Value
	*	Who W	lhen What	2024	114,	,500	69,300	183,	800				66,6060
4711-28-201-013	01/30/2020	JB 01/30	/2020 INSPECTE	D 2023	109	,100	57 <b>,</b> 500	166,					63,4350
The Equalizer. Copyrig Licensed To: Township o				2022	111,	,800	39,900	151,	700				60,4150
Livingston, Michigan				2021	111,	,800	37,700	149,	500				58,4850

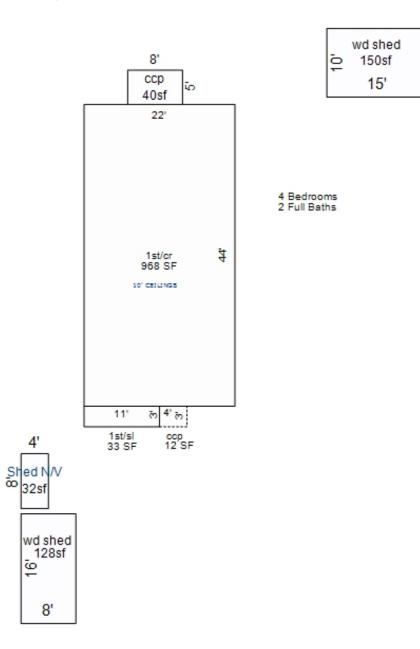
Residential Building 1 of 1

#### Parcel Number: 4711-28-201-013

Printed on 03/14/2024

Building Type	(3) Roof (cont.)	(11) Heating/Cooling	(15) Built-ins	(15) Fireplaces	(16) Porches/	Decks (17	) Garage
X Single Family Mobile Home Town Home Duplex A-Frame X Wood Frame	Eavestrough Insulation 0 Front Overhang 0 Other Overhang (4) Interior Drywall Plaster	X Gas Oil Elec. Wood Coal Steam Forced Air w/o Ducts X Forced Air w/ Ducts Forced Hot Water Electric Baseboard Elec. Ceil. Radiant	Appliance Allow. Cook Top Dishwasher Garbage Disposal Bath Heater Vent Fan Hot Tub Unvented Hood	Interior 1 Story Interior 2 Story 2nd/Same Stack Two Sided Exterior 1 Story Exterior 2 Story Prefab 1 Story Prefab 2 Story	Area         Type           12         CCP         (1 5           40         CCP         (1 5	Story) Story) Clas Exte Bric Stor Comm	Built: Capacity: ss: erior: ck Ven.: ne Ven.: non Wall: dation:
Yr Built Remodeled 1945 0 Condition: Good	Paneled     Wood T&G       Trim & Decoration       Ex     X       Size of Closets       Lg     X       Ord     Small	Radiant (in-floor) Electric Wall Heat Space Heater Wall/Floor Furnace Forced Heat & Cool Heat Pump No Heating/Cooling Central Air	Vented Hood Intercom Jacuzzi Tub Jacuzzi repl.Tub Oven Microwave Standard Range Self Clean Range	Heat Circulator Raised Hearth Wood Stove Direct-Vented Gas Class: CD Effec. Age: 35 Floor Area: 1,001	_	Fini Auto Mech Area % Go Stor No C	<pre>shed ?: b. Doors: h. Doors: i: ood: age Area: Conc. Floor:</pre>
Basement 1st Floor 2nd Floor	Doors: Solid X H.C. (5) Floors Kitchen: Other:	Wood Furnace (12) Electric 0 Amps Service	Sauna Trash Compactor Central Vacuum Security System	Total Base New : 137 Total Depr Cost: 89, Estimated T.C.V: 135	609 X 3	1.508	nt Garage: port Area:
4 Bedrooms (1) Exterior X Wood/Shingle	(6) Ceilings	No./Qual. of Fixtures           Ex.         X         Ord.         Min           No. of Elec.         Outlets         Image: Contract of C	Cost Est. for Res. Bl (11) Heating System: Ground Area = 1001 SE	Forced Air w/ Ducts F Floor Area = 1001	SF.	Cls CD	Blt 1945
Aluminum/Vinyl Brick Insulation		Many X Ave. Few (13) Plumbing Average Fixture(s)	Phy/Ab.Phy/Func/Econ/ Building Areas Stories Exterior 1 Story Siding 1 Story Siding	/Comb. % Good=65/100/ c Foundation Crawl Space Slab	100/100/65 Size 968 33	Cost New	Depr. Cost
(2) Windows Many Large X Avg. X Avg. Few Small	(7) Excavation Basement: 0 S.F. Crawl: 968 S.F. Slab: 33 S.F.	1 3 Fixture Bath 2 Fixture Bath Softener, Auto Softener, Manual	Other Additions/Adjus Porches CCP (1 Story)	stments	Total: 40	123,766	80,448 792
Wood Sash Metal Sash Vinyl Sash Double Hung	Height to Joists: 0.0 (8) Basement Conc. Block	Solar Water Heat No Plumbing Extra Toilet Extra Sink Separate Shower	CCP (1 Story) Water/Sewer Public Sewer Water Well, 200 Fee	et	12 1 1	594 1,392 10,889	386 905 7,078
Horiz. Slide Casement Double Glass Patio Doors Storms & Screens	Poured Conc. Stone Treated Wood Concrete Floor (9) Basement Finish	Ceramic Tile Floor Ceramic Tile Wains Ceramic Tub Alcove Vent Fan	Notes:	ECF (4304 OLD H	Totals: OMESTEAD) 1.508	137,859 8 => TCV:	89,609 135,130
(3) Roof       X Gable     Gambrel       Hip     Mansard       Flat     Shed       X Asphalt Shingle	Recreation SF Living SF Walkout Doors (B) No Floor SF Walkout Doors (A) (10) Floor Support	<pre>(14) Water/Sewer Public Water Public Sewer Water Well 1000 Gal Septic 2000 Gal Septic Lump Sum Items:</pre>	-				
Chimney: Brick	Joists: Unsupported Len: <u>Cntr.Sup:</u>						





\*\*\* Information herein deemed reliable but not guaranteed\*\*\*



**GENOA CHARTER TOWNSHIP VARIANCE APPLICATION** 2911 DORR ROAD | BRIGHTON, MICHIGAN 48116 (810) 227-5225 | FAX (810) 227-3420

Case # 24-11 N	PAID Variance Application Fee
\$215.00 for Residentia)   \$300.00 for	Sign Variance   \$395.00 for Commercial/Industrial
Applicant/Owner: MICHAEL BROWN	Email: MAGTCMIKIEZ386) YAHOO-COM
Property Address: 4655 SWEET RD	Phone: 810 423 3758
Present Zoning:CE	Tax Code: [ 1 - 09 - 400 - 004

## <u>ARTICLE 23</u> of the Genoa Township Zoning Ordinance describes the Variance procedure and the duties of the Zoning Board of Appeals.

Each application for Variance is considered individually by the ZBA. The ZBA is a board of limited power; it cannot change the Zoning Ordinance or grant relief when it is possible to comply with the Zoning Ordinance. It may provide relief where due to unique aspects of the property with strict application of the zoning ordinance to the land results in practical difficulties or unnecessary hardship.

The applicant is responsible for presenting the information necessary to support the relief requested. While much of the necessary information is gathered through the completed application, other information may be gathered by on-site visits, other sources, and during the ZBA meeting. ZBA members, township officials and township staff may visit the site without prior notification to property owners.

## Failure to meet the submittal requirements and properly stake the property showing all proposed improvements may result in postponement or denial of this petition.

Please explain the proposed variance below:

1. Variance requested/intended property modifications: TO LEAVE SOLAR PANELS

WHERE THEY ARE.

Please note that the packet and staff report for your scheduled Zoning Board of Appeals meeting will be available to review at <u>https://www.genoa.org/government/boards/zoningboard</u> five days prior to the meeting.

The following is per Article 23.05.03 of the Genoa Township Ordinance:

24

<u>Criteria Applicable to Dimensional Variances.</u> No variance in the provisions or requirements of the Ordinance shall be authorized by the Board of Appeals unless it is found from the evidence that <u>all</u> of the following conditions exist:

#### Under each please indicate how the proposed project meets each criteria.

<u>Practical Difficulty/Substantial Justice.</u> Compliance with the strict letter of the restrictions governing area, setbacks, frontage, height, bulk, density, or other dimensional provisions would unreasonably prevent the use of the property. Granting of a requested variance or appeal would do substantial justice to the applicant as well as to other property owners in the district and is necessary for the preservation and enjoyment of a substantial property right similar to that possessed by other properties in the same zoning district and vicinity of the subject parcel.

I AM 47,000 + IN DEBT FOR SUAR + LIVE & END OF PRIVATE RO. THERE IS WOODS NEXT & SCLAR. NO ONE WILL LIVE THERE AS THIS IS COUNTRY ESTATE SPACE MINIMUM, MUST PUT TO CULOFISAC + WIDEN PRIVATE DCAD IN ONDER 16 BULD NOTT DOOL I DONOT BELIEVE IT IS FIGURELY RESPONSIBLE

<u>Extraordinary Circumstances</u>. There are exceptional or extraordinary circumstances or conditions applicable to the property or the intended use which are different than other properties in the same zoning district or the variance would make the property consistent with the majority of other properties in the vicinity. The need for the variance was not self-created by the applicant.

COMPANY THAT INSTALLED SOLAR IS OUT OF BUSINESS. THEY NEVER PULLER REMITS. THEY INSTALLED SOLAR I DID NOT TELL CENCE WHERE THEN ACTUALLY WERE AT. NOW WHO WILL MOVE THEM? I DID NOT KNOW ABOUT 1415 BETHL IN WRONG FLACE, I HAVE NO WAY TO MOVE Public Safety and Welfare. The granting of the variance will not impair an adequate supply of light and air to adjacent property or unreasonably increase the congestion in public streets, or increase the danger of fire or endanger the public safety, comfort, morals or welfare of the inhabitants of the Township of Genoa.

Impact on Surrounding Neighborhood. The variance will not interfere with or discourage the appropriate development, continued use, or value of adjacent properties and the surrounding neighborhood.

A PRIVATE ROAD, I CAN HOT THE SOLAN TO STAY WHENE IT I MOVE THE SZAN

Attendance by the applicant is required at the Zoning Board of Appeals meeting.

Any Variance not acted upon within 12 months from the date of approval is invalid and must receive a renewal from the Zoning Board of Appeals (ZBA).

After the decision is made regarding your Variance approval a land use permit will be required with additional site plans and construction plans.

Date: 3-15.74 Signature: Muchan R



2911 Dorr Road Brighton, MI 48116 810.227.5225 810.227.3420 fax genoa.org

#### SUPERVISOR

Bill Rogers CLERK Paulette A. Skolarus TREASURER Robin L. Hunt TRUSTEES Jean W. Ledford Terry Croft Diana Lowe Jeff Dhaenens

MANAGER Kelly VanMarter

## MEMORANDUM

TO:	Genoa Township Zoning Board of Appeals
FROM:	Amy Ruthig, Planning Director
DATE:	April 10, 2024
RE:	ZBA 24-11
	STAFF REPORT
File Number:	24-11
Site Address:	4655 Sweet Road
Parcel Number	4711-09-400-004
Parcel Size:	1.00 acre
Applicant:	Michael Brown
Property Owne	r: Michael and Cindy Brown, 4655 Sweet Road, Howell
Information Su	bmitted: Application, site plan, construction plans
Request:	Dimensional Variance
Project Descrip allow solar pane	
<b>Zoning and Exis</b> on the parcel.	ting Use: CE (Country Estates) Single Family Residential home is located
31, 2024 and 30	vas published in the Livingston County Press and Argus on Sunday March )0-foot mailings were sent to any real property within 300 feet of the n accordance with the Michigan Zoning Enabling Act.
<u>Background</u>	
<ul> <li>Per assi 2020.</li> <li>In 2020</li> <li>In 2021</li> </ul>	a brief summary of the background information on file: essing records the parcel has an existing single-family dwelling built in , a land use permit was issued for a new construction home. , a land use permit was issued for a new deck. , a land use permit was issued for the installation of solar panels.

- The property utilizes a private water and private sewer system.
- See Real Record Card.

#### **Summary**

The applicant is requesting a variance to allow solar panels to remain within the side yard setback. The solar panels were installed not installed in the previously approved location as per the land use permit site plan. Once it came to staff's attention, code enforcement contacted the applicant for compliance.

#### Variance Requests

The regulations in the zoning ordinance pertaining to this variance are as follows:

**11.06.03Ground Mounted Private Solar Energy System.** Ground Mounted Private Solar Energy Systems are permitted in all zoning districts as an accessory use, subject to the following:

(b) Location. Ground Mounted Private Solar Energy System shall only be located in the non-required rear or side yard for principal buildings in the zoning district in which it is located. The unit may be located in the front yard only if permitted by the Planning Commission provided that the unit is no less than two-hundred (200) feet from the front lot line

Setback information will be provided on Monday so staff can obtain correct setback requests from the applicant.

COUNTRY ESTATES - SETBACKS	Side Yard Setback
SIDE YARD SETBACK	40'
REQUESTED SETBACK	
REQUESTED VARIANCE AMOUNT	

## <u>Summary of Findings of Fact-</u>After reviewing the application and materials provided, I offer the possible findings of fact for your consideration:

Please note that in order for a variance to be approved it has to meet all of the standards in 23.05.03.

- (a) Practical Difficulty/Substantial Justice Strict compliance with the side yard setback would prevent the solar panels to remain where in the current location however it would not prevent the use of the property. Granting of the requested variance would not do substantial justice to the applicant as well as other property owners in the district. It is not necessary for the preservation and enjoyment of a substantial property right similar to that possessed by other properties in the same vicinity of the subject parcel.
- **(b) Extraordinary Circumstances** The lot is a non-conforming parcel in the CE zoning district however the requested variance does not appear to be the least amount necessary. Applicant should provide information as to why the solar panels cannot be relocated within conforming setbacks.
- (c) Public Safety and Welfare The granting of the variance will not impair an adequate supply of light and air to adjacent property or unreasonably increase the congestion in public streets, or increase the danger of fire or endanger the public safety, comfort, morals or welfare of the inhabitants of the Township of Genoa.
- (d) Impact on Surrounding Neighborhood The proposed variance would have little or no impact on the appropriate development, continued use, or value of adjacent properties and the surrounding neighborhood.

#### **Recommended Conditions**

If the Zoning Board of Appeals grants the variance requests, staff recommends the following conditions be placed on the **APPROVAL**:

- 1. A site plan demonstrating accurate setbacks will be provided.
- 2. A land use permit application shall be submitted within 7 business days of approval.
- 3. Livingston County Building Permit will be applied for within 5 business days of land use permit approval.

#### **Recommended Conditions**

If the Zoning Board of Appeals grants the variance requests, staff recommends the following conditions be placed on the **DENIAL**:

1. Land use waiver shall be applied for within 7 business days of denial for the removal of the solar panels.

2. A Livingston County Building Permit shall be applied for within 5 business days of land use waiver approval.

3. The solar panels shall be removed within 45 days of denial.



## Genoa Township

2911 Dorr Road, Brighton, Michigan 48116 Phone: 810.227.5225 Fax: 810.227.3420 www.genoa.org

#### **Planning & Zoning**

### P20-165

**Residential Land Use** 

Issued: 09/30/2020 Expires: 09/30/2021

### **Residential New Construction**

LOCATION	OWNER	APPLICANT
4655 SWEET RD 4711-09-400-004 Zoning: CE	BROWN MICHAEL & CINDY 3674 AMBER OAKS DR HOWELL MI 48843	Trinity Home Builders 4225 Miller Road Flint MI 48507
	Phone: E-mail:	<b>Phone:</b> (810) 835 8875 <b>E-mail:</b>

Work Description: New construction home

#### **PROJECT INFORMATION:**

Front Setback: 75	Side Setback: 40	Water/Wetland:
Least Side Setback: 40	Rear Setback: 60	<b>Distance from Principal Structure:</b>
Construction Value: \$140,000.00	Height:	<b>Total Square Feet:</b> 1,480
<b>ZBA Approval:</b> n/a		

### Comments/ Flood Plain: N/A

**Conditions:** 

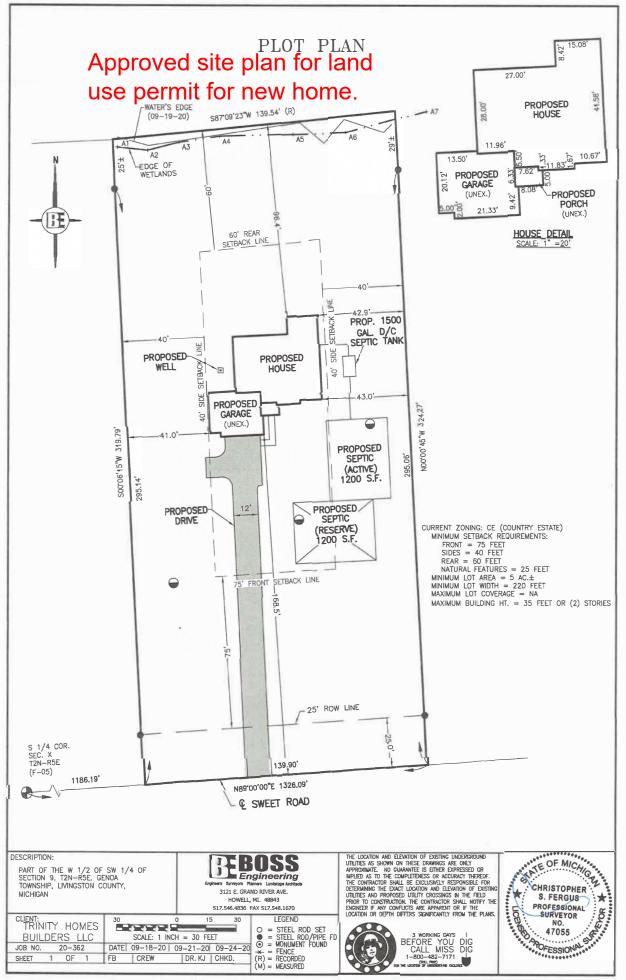
Must maintain a 25 foot natural undisturbed buffer to the wetland. No clearing, grass cutting, etc.

#### Home must meet the 1500 sq. ft. living area requirement.

Permit Item	Permit Fee	Fee Basis	Item Total
Residential New Construction/Addition	Permit Fee	1.00	75.00

<b>Balance Due:</b>	\$0.00
Amount Paid:	\$75.00
Fee Total:	\$75.00

Issuance of this permit confirms the applicants certification that all information and data attached to and made part of this permit are true and accurate and to the best of the applicants knowledge and belief. The applicant has certified that the proposed work has been authorized by the owner of record and that the applicant has been authorized by the owner to obtain this permit as the authorized agent. The applicant has agreed to conform to all applicable laws, codes and ordinances of the State of Michigan, Livingston County and Genoa Township. The applicant acknowledges that private covenants and restrictions are potentially enforceable by private parties. This permit authorizes on-site inspections by an official representative of Genoa Charter Township. This permit is valid for a period of 12 months from the date of issue and the applicant agrees that any modifications must be approved by Genoa Township.



G:\20-362\DWG\20-352 .dwg, 9/24/2020 10:17:52 AM. Ricoh M C3000



## Genoa Township

2911 Dorr Road, Brighton, Michigan 48116 Phone: 810.227.5225 Fax: 810.227.3420 www.genoa.org

### **Planning & Zoning**

## P21-246

Issued: 12/16/2021 Expires: 12/16/2022

Other

**Residential Land Use** 

LOCATION	OWNER	APPLICANT	
4655 SWEET RD	BROWN MICHAEL &	& CINDY Limitless Solar	
4711-09-400-004	4655 SWEET RD	30505 Anderson Court	
Zoning: CE	HOWELL MI 48843	Wixom MI 48393	
	Phone:	<b>Phone:</b> (517) 540 4110	
	E-mail:	E-mail:	
Least Side Setback: 0 Construction Value: \$58,000.00 ZBA Approval: n/a	Rear Setback: 0 Height:	Water/Wetland: Distance from Principal Structure: Total Square Feet: 01	
•	rray is at least 30 feet off	an depicted on ground plans) side property line and over 200 ft from rear	
Permit Item	Permit Fee	Fee Basis Item To	
Accessory Building	Permit Fee	1.00 50	

Balance Due:	\$0.00
Amount Paid:	\$50.00
Fee Total:	\$50.00

Issuance of this permit confirms the applicants certification that all information and data attached to and made part of this permit are true and accurate and to the best of the applicants knowledge and belief. The applicant has certified that the proposed work has been authorized by the owner of record and that the applicant has been authorized by the owner to obtain this permit as the authorized agent. The applicant has agreed to conform to all applicable laws, codes and ordinances of the State of Michigan, Livingston County and Genoa Township. The applicant acknowledges that private covenants and restrictions are potentially enforceable by private parties. This permit authorizes on-site inspections by an official representative of Genoa Charter Township. This permit is valid for a period of 12 months from the date of issue and the applicant agrees that any modifications must be approved by Genoa Township.

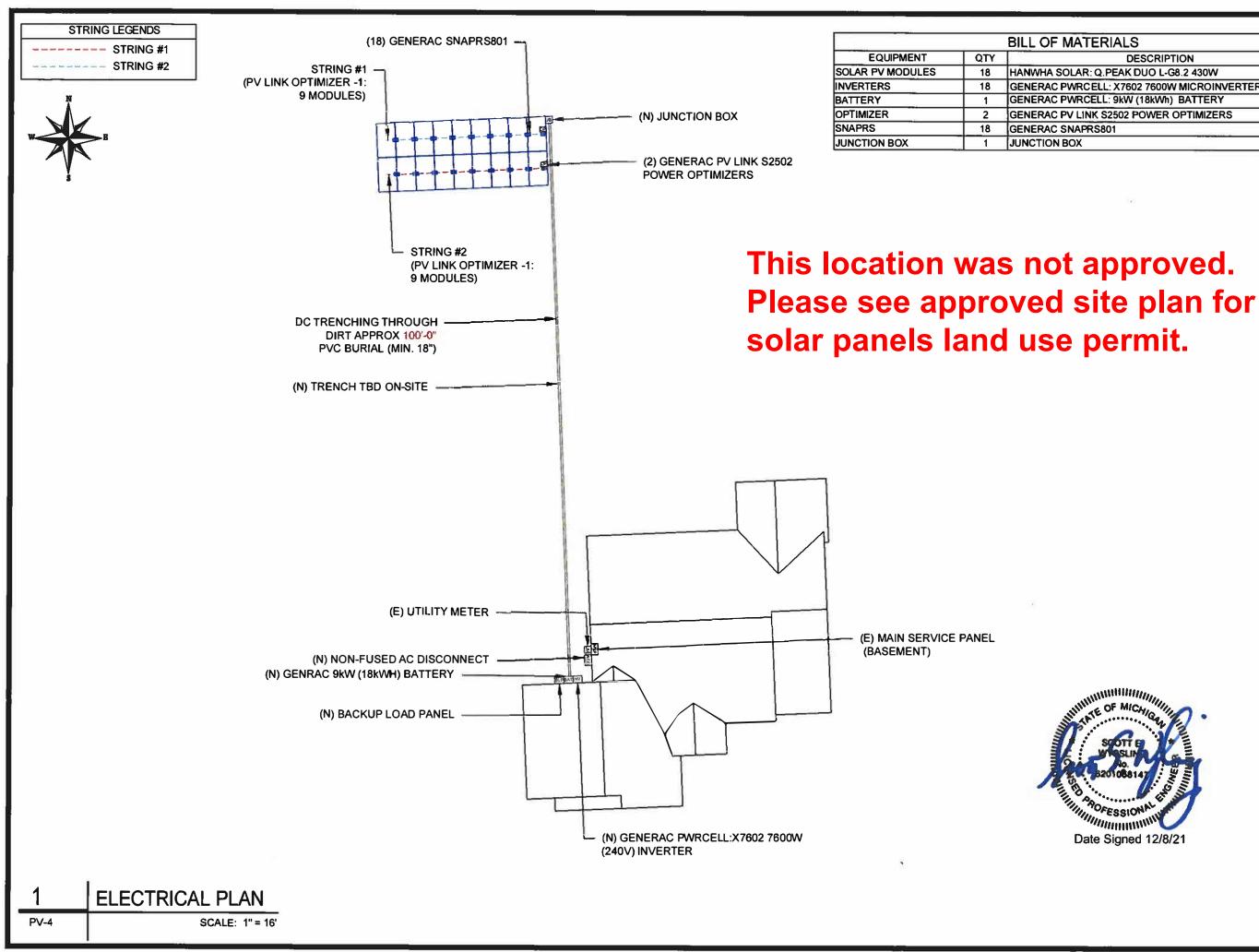
# Approved site plan for solar panel land use

permit

FT off property line

200FT away from the

ΡΗΟΤΟΥ	<b>DLTAIC GROUND MOUN</b>	T SYSTEM	
	8 MODULES-GROUND MOUNTED - 7.740 kW DC, 7.600 kW / 4655 SWEET RD, HOWELL, MI 48843	AC	Limitless Solar Building a better tomorrow LIMITLESS SOLAR
PROJECT DATA	GENERAL NOTES	VICINITY MAP	30505 ANDERSEN CT. WIXOM, MI 48393
PROJECT       4655 SWEET RD,         ADDRESS       HOWELL, MI 48843         OWNER:       MICHAEL BROWN         DESIGNER:       ESR         SCOPE:       7.740 KW DC GROUND MOUNT         SOLAR PV SYSTEM WITH         18 - HANWHA SOLAR: Q.PEAK DUO L-G8.2         430W MONO MODULES WITH         18 GENERAC SNAPRS801         02 GENERAC PV LINK S2502 POWER         OPTIMIZERS         01 GENERAC PWRCELL: X7602 7600W         INVERTER         01 GENERAC PWRCELL: 9kW (18kWh)         BATTERY         AUTHORITIES HAVING JURISDICTION:         BUILDING: LIVINGSTON COUNTY         ZONING: LIVINGSTON COUNTY         ZONING: LIVINGSTON COUNTY         ZONING: LIVINGSTON COUNTY         ZONING: LIVINGSTON COUNTY         SCOPLAN WITH GROUND PLAN         PV-1       COVER SHEET         PV-2       PLOT PLAN WITH GROUND PLAN         PV-3       GROUND PLAN & MODULES         PV-4       ELECTRICAL PLAN         PV-5       MOUNTING DETAIL         PV-6       ELECTRICAL LINE DIAGRAM         PV-7       WRING CALCULATION         PV-8       LABELS         PV-9       PLACARD         PV-10       MICRO	<ol> <li>ALL COMPONENTS ARE UL LISTED AND CEC CERTIFIED, WHERE WARRANTED.</li> <li>THE SOLAR PV SYSTEM WILL BE INSTALLED IN ACCORDANCE WITH ARTICLE 680 OF THE NEC 2017.</li> <li>THE UTILITY INTERCONNECTION APPLICATION MUST BE APPROVED AND PV SYSTEM INSPECTED PRIOR TO PARALLEL OPERATION.</li> <li>ALL CONDUCTORS OF A CIRCUIT, INCLUDING THE EQC, MUST BE INSTALLED IN THE SAME RACEWAY, OR CABLE, OR OTHERWISE RUN WITH THE PV ARRAY.</li> <li>WHERE METALLIC CONDUIT CONTINING DC CONDUCTORS WHEN THEY LEAVE THE VICINITY OF THE PV ARRAY.</li> <li>WHERE METALLIC CONDUIT CONTINING DC CONDUCTORS IS USED INSIDE THE BUILDING, IT SHALL BE IDENTIFIED AS "CAUTION: SOLAR CIRCUIT" EVERY 10FT.</li> <li>HEIGHT OF THE AC DISCONNECT SHALL NOT EXCEED 6:-7" PER NEC CODE 240.24.</li> <li>A GROUNDING ELECTRODE SYSTEM IS NACCESSIBLE OF INADEQUATE A SUPPLEMENTIAL GROUNDING ELECTRODE WILL BE USED AND BONDED TO THE SERVICE ENTRANCE IF EXISTING SYSTEM IS NACCESSIBLE OF INADEQUATE A SUPPLEMENTIAL GROUNDING ELECTRODE WILL BE USED AND BONDED TO THE SERVICE ENTRANCE IF EXISTING SYSTEM IS NACCESSIBLE OF INADEQUATE A SUPPLEMENTIAL GROUNDING ELECTRODE MULL BE USED AT THE INVERTER LOCATION CONSISTING OF AUL LISTED 5 FT. GROUND ROOM THA GOOR CLAMF. GROUNDING ELECTRODE CONDUCTORS SHALL DE NO LESS THAN #8 AWG AND NO LARGER THAN #8 AWG COPPER AND BONDED TO THE EXISTING GROUNDING ELECTRODE CONDUCTORS SHALL DE TO ROMOTE FOR A COMPLETE SYSTEM.</li> <li>PHOTOVOLTAIC INSTALLATION WILL NOT OBSTRUCT ANY PLUMBING. MECHANICAL, OR BUILDING ROOF VENTS.</li> <li>ALL WIRNG MUST BE PROPERLY SUPPORTED BY DEVICES OR MECHANICAL, MEANS DESIGNED AND LISTED FOR SUCH USE. WIRNG MUST BE PROPERLY SUPPORTED BY DEVICES OR MECHANICAL, MEANS DESIGNED AND LISTED FOR SUCH USE. WIRNG MUST BE PROPERLY SUPPORTED BY DEVICES OR MECHANICAL, MEANS DESIGNED AND LISTED FOR SUCH USE. WIRNG MUST BE PROPERLY SAND SINAGE WILL BE INSTALLED AS REQUIRED BY THE NEC AND ANJ.</li> <li>ALL WIRNG MUST BE PROPERLY SUPPORTED BY DEVICES OR MECHANICAL, MEANS DESIGNED</li></ol>	Oceola         Howell         A655 Sweet Rd, Howell,         Mil 48843, United States         Brighton         Brighton         Brighton     HOUSE PHOTO             FODEE REFERENCES    PROJECT TO COMPLY WITH THE FOLLOWING:        DIATIONAL ELECTRICAL CODE (NESS)	REVISIONS DESCRIPTION DATE REV DESCRIPTION DATE REV DATE REV DATE 12/07/2021 PROJECT NAME & ADDRESS HEET NAME SHEET NAME
	<ol> <li>ALL WIRING METHODS SHALL BE IN ACCORDANCE WITH NEC 690.31</li> <li>WORK CLEARANCES AROUND ELECTRICAL EQUIPMENT WILL BE MAINTAINED PER NEC 110.26(A)(1), 110.26(A)(2) AND 110.26(A)(3).</li> <li>ROOFTOP MOUNTED PHOTOVOLTAIC PANELS AND MODULES SHALL BE TESTED, LISTED &amp; IDENTIFIED IN ACCORDANCE WITH UL1703</li> <li>ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT EXPANSION JOINTS AND ANCHOR CONDUIT RUNS AS REQUIRED PER NEC.</li> <li>Ction plans for solar panel land use permit.</li> </ol>	2015 INTERNATIONAL BUILDING CODIS (RC) 2015 INTERNATIONAL RESIDENTIAL SODE (IRC) SPOTT F WISLING B201088147	COVER SHEET SHEET SIZE ANSI B 11" X 17" SHEET NUMBER

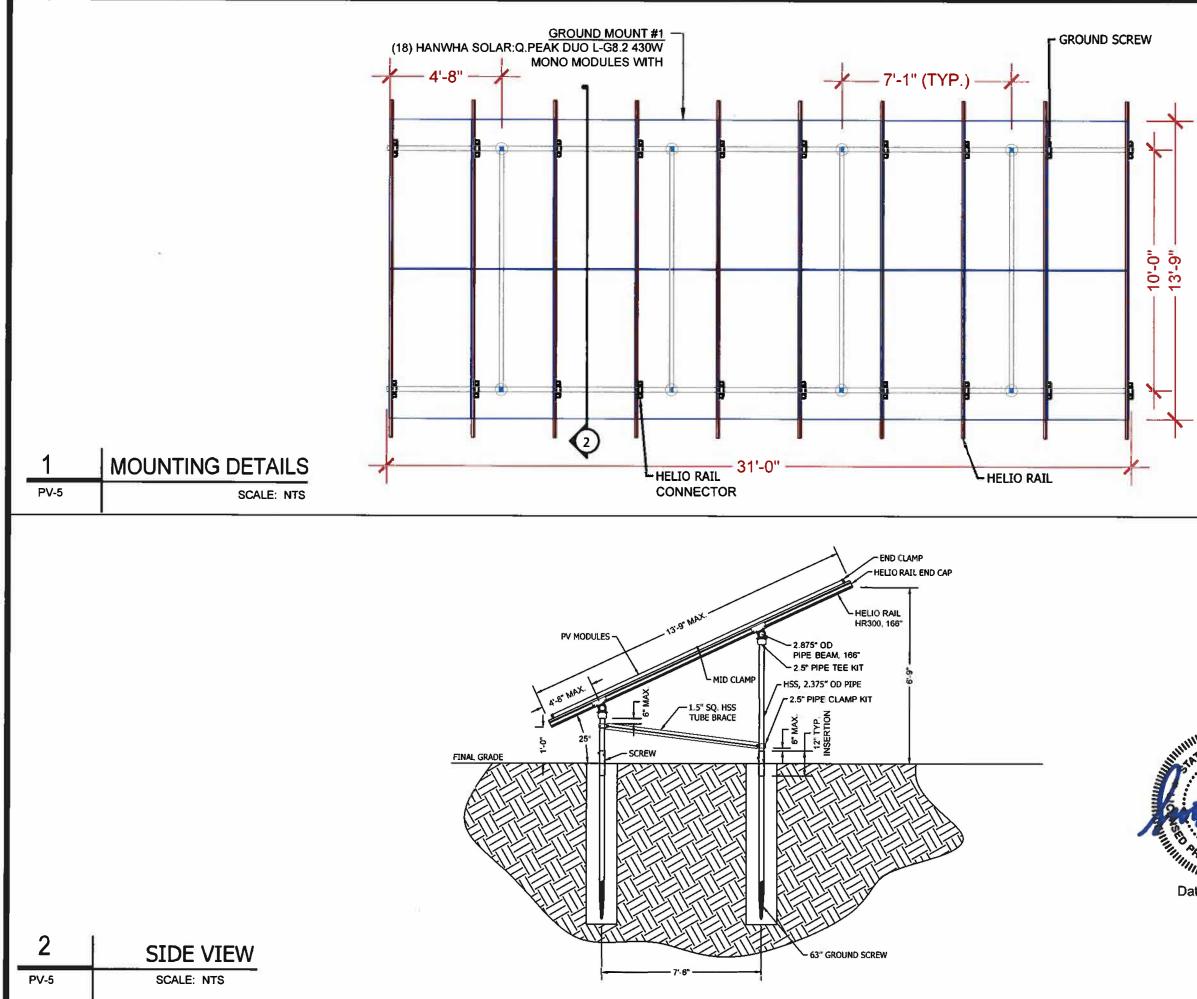


DESCRIPTION

GENERAC PWRCELL: X7602 7600W MICROINVERTERS



<b>U</b>	Limitless Solar Building a better tomorrow		
LIMITLES			
30505 AND WIXOM,	ERSEN ( MI 48393		
REVIS			
DESCRIPTION	DATE	REV	
MICHAEL BROWN RESIDENCE 4655 SWEET RD, HOWELL, MI 48843			
DRAW		L 	
ESR			
SHEET NAME ELECTRICAL PLAN			
SHEET SIZE			
ANSI B 11" X 17"			
SHEET NUMBER PV-4			



		9
	Limitless Solar Building a better tomorrow LIMITLESS SOLAR 30505 ANDERSEN CT. WIXOM, MI 48393	
	DESCRIPTION	DATE REV
-	DATE: 12 PROJECT NAM	
	MICHAEL BROWN RESIDENCE	4655 SWEET RD HOWELL, MI 4884
AOFESSIONAL	SHEET NAME MOUNTING DETAIL	
ate Signed 12/8/21	SHEET SIZE ANSI B 11" X 17"	
	SHEET NUMBER	
	PV-5	

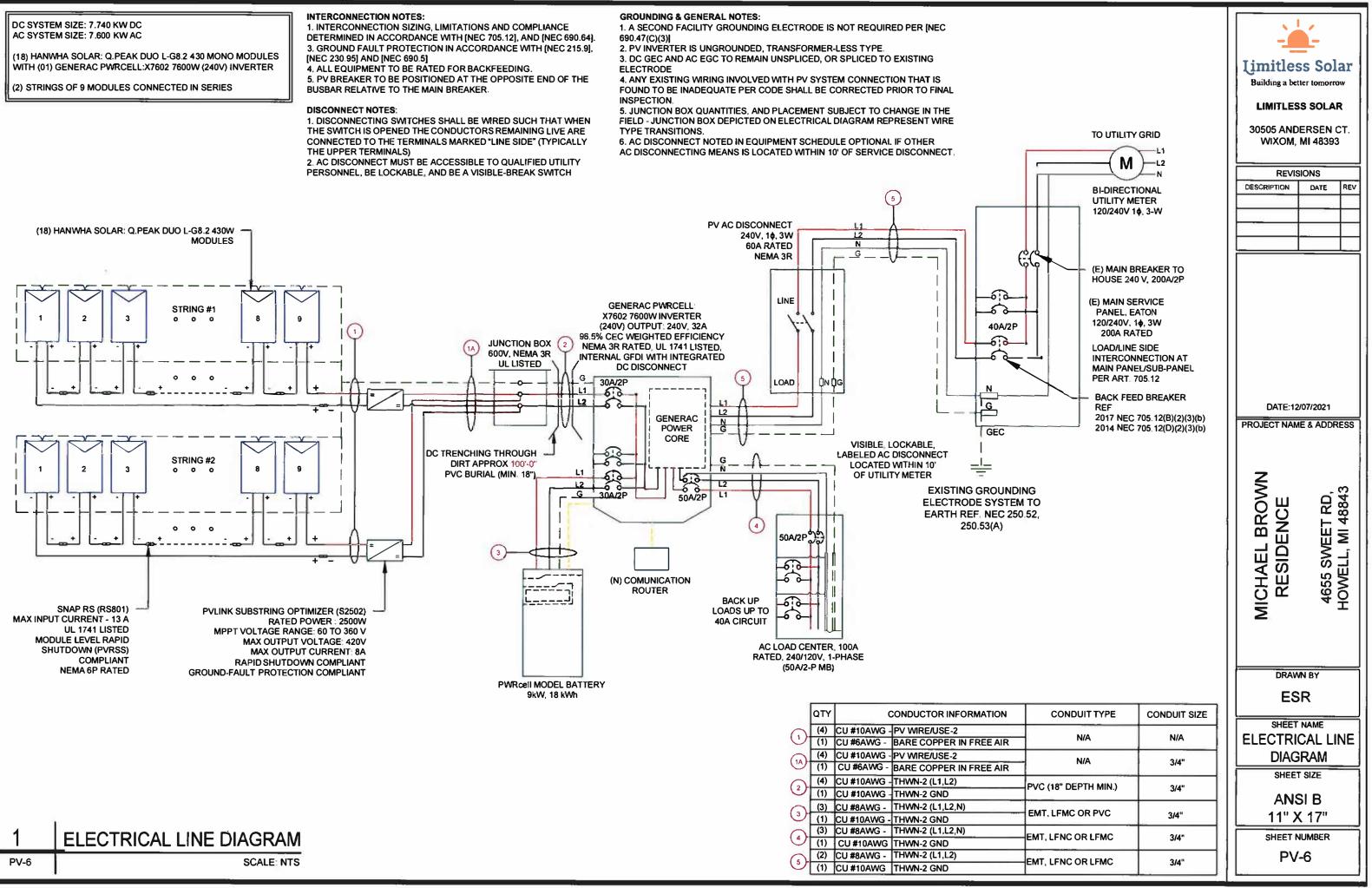
## AC SYSTEM SIZE: 7.600 KW AC

WITH (01) GENERAC PWRCELL:X7602 7600W (240V) INVERTER

690.47(C)(3)

FOUND TO BE INADEQUATE PER CODE SHALL BE CORRECTED PRIOR TO FINAL INSPECTION.

TYPE TRANSITIONS.



SOL	AR MODULE SPECIFICATIONS
MANUFACTURER / MODEL #	HANWHA SOLAR: Q.PEAK DUO L-G8.2 430W MODULE
VMP	41.70V
IMP	10.31A
VOC	49.33V
ISC	10.83A
TEMP. COEFF. VOC	-0.27%/K
MODULE DIMENSION	81.9"L x 40.6"W x 1.38"D (In Inch)

INVERTER S	PECIFICATIONS
MANUFACTURER / MODEL #	GENERAC PWRCELL:X7602 7600W
NOMINAL AC POWER	7.600 KW
NOMINAL OUTPUT VOLTAGE	240 VAC
NOMINAL OUTPUT CURRENT	32.0A

AMBIENT TEMPERATURE SPECS

MODULE TEMPERATURE COEFFICIENT OF Voc -0.27%/°K

-20°

32°

90°

RECORD LOW TEMP

AMBIENT TEMP (HIGH TEMP 2%)

CONDUCTOR TEMPERATURE RATE

PERCENT OF VALUES	NUMBER OF CURRENT CARRYING CONDUCTORS IN EMT
.80	4-6
.70	7-9
.50	10-20

(GENERAC PV LINK S2502 POWER OPTIMIZERS)
(GEINERAC FV LINK SZJUZ FOVVER OF HIVIZERS)

1		
ľ,	RATED POWER	2500W
ł	MAXIMUM INPUT VOLTAGE	420Voc
Î	MPPT VOLTAGE RANGE	60-360Vmp
1	NOMINAL OUTPUT	380Vdc
	MAXIMUM OUTPUT	420Adc
ĺ	MAXIMUM OUTPUT CURRENT	8A
	MAXIMUM SHORT CIRCUIT CURRENT	18A

									D	C FEEDER CAI	<b>LCULATIONS</b>						
CIRCUIT ORIGIN	CIRCIUT DESTINATION	VOLTAGE (V)	FULL LOAD AMPS "FLA" {A)	FLA*1.56 (A)	OCPD SIZE (A)	GROUND SIZE	CONDUCTOR SIZE	75°C AMPACITY (A)	AMPACITY CHECK #1	AMBIENT TEMP. (°C)	TOTAL CC CONDUCTO RS IN RACEWAY	90°C AMPACITY (A)		DERATION FACTOR FOR CONDUCTORS PER RACEWAY NEC 310.15(B)(3)(a)	90°C AMPACITY DERATED (A)	AMPACITY CHECK #2	FEEDI LENGT (FEET
STRING 1	JUNCTION BOX	380	8.00	12.48	20	BARE COPPER #6 AWG	CU #10 AWG	35	PASS	32	2	40	0.96	1	38.4	PASS	5
STRING 2	JUNCTION BOX	380	8.00	12.48	20	BARE COPPER #6 AWG	CU #10 AWG	35	PASS	32	2	40	0.96	1	38.4	PASS	5
JUNCTION BOX	INVERTER	380	16.00	24.96	30	CU #10 AWG	CU #10 AWG	35	PASS	32	2	40	0.96	1	38.4	PASS	100

										AC FEEDE	R CALCULAT	IONS						
CIRCUIT ORIGIN	<b>GROUT</b> DESTINATION	VOI TAGE	FULL LOAD AMPS "FLA" (A)	FLA*1.25 (A)	OCPD SIZE (A)	NEUTRAL SIZE	GROUND SIZE	CONDUCTOR SIZE	75°C AMPACITY (A)	AMPACITY CHECK #1	AMBIENT TEMP. (°C)	CONDUCTORS	90°C AMPACITY (A)	DERATION FACTOR FOR AMBIENT TEMPERATURE NEC 310.15(B)(2)(a)	FOR CONDUCTORS	ΑΜΡΑCITY	AMPACITY CHECK #2	FEE LEN (FI
INVERTER	AC DISCONNECT	240	32	40	40	CU #8 AWG	CU #10 AWG	CU #8 AWG	50	PASS	32	2	55	0.96	1	52.8	PASS	
AC DISCONNECT	POI	240	32	40	40	CU #8 AWG	CU #10 AWG	CU #8 AWG	50	PASS	32	2	55	0.96	1	52.8	PASS	

#### ELECTRICAL NOTES

- 1. ALL EQUIPMENT TO BE LISTED BY UL OR OTHER NRTL, AND LABELED FOR ITS APPLICATION.
- 2. ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 V AND 90 DEGREE C WET ENVIRONMENT.
- 3. WIRING, CONDUIT, AND RACEWAYS MOUNTED ON ROOFTOPS SHALL BE ROUTED DIRECTLY TO, AND LOCATED AS CLOSE AS POSSIBLE TO THE NEAREST RIDGE, HIP, OR VALLEY.
- WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC 110.26.
- 5. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES AND STANDARDS.
- 6. WHERE SIZES OF SOLADECK, RACEWAYS, AND CONDUITS ARE NOT SPECIFIED, THE CONTRACTOR SHALL SIZE THEM ACCORDINGLY.
- 7. ALL WIRE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE.
- 8. MODULE GROUNDING CLIPS TO BE INSTALLED BETWEEN MODULE FRAME AND MODULE SUPPORT RAIL, PER THE GROUNDING CLIP MANUFACTURER'S INSTRUCTION.
- 9. MODULE SUPPORT RAIL TO BE BONDED TO CONTINUOUS COPPER G.E.C. VIA WEEB LUG OR ILSCO GBL-4DBT LAY-IN LUG.
- 10. TEMPERATURE RATINGS OF ALL CONDUCTORS, TERMINATIONS, BREAKERS, OR OTHER DEVICES ASSOCIATED WITH THE SOLAR PV SYSTEM SHALL BE RATED FOR AT LEAST 75 DEGREE C.

	Limitless Solar Building a better tomorrow LIMITLESS SOLAR 30505 ANDERSEN CT. WIXOM, MI 48393
	DESCRIPTION DATE REV
	DESCRIPTION DATE REV
	╽┝───┼─┤
FEEDER     CONDUCTOR     VOLTAGE     CONDUIT       LENGTH     RESISTANCE     DROP AT FLA     CONDUIT     FILL (%)       (FEET)     (OHM/KFT)     (%)     SIZE     FILL (%)	
5 1.24 0.026 N/A #N/A	
5         1.24         0.026         N/A         #N/A           100         1.24         1.044         3/4" PVC         12.46063	
100 1.24 1.044 3/4"PVC 12.46063	
String 1 Voltage Drop 1.070	DATE:12/07/2021
String 2 Voltage Drop 1.070	PROJECT NAME & ADDRESS
1 10 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	<b>z</b>
TY FEEDER CONDUCTOR VOLTAGE CONDUIT CONDUIT	≥ <u>~</u> ₽
LENGTH RESISTANCE DROP AT SIZE FILL (%)	CE CE 18843
5 0.778 0.104 <b>3/4</b> " EMT 24.5591	Å Ž h ž
5 0.778 0.104 3/4* EMT 24.5591	", ", ", ", ", ", ", ", ", ", ", ", ",
	ਜ਼ੑੵੑੵੑੑੵੑ
CUMULATIVE VOLTAGE 0.207	<u>ה</u> מ <u>א</u>
	<u>,                                  </u>
	MICHAEL BR RESIDENC 4655 SWEET F HOWELL, MI 48
	<b>Z</b> 1
17 - <del>21</del> 840-	
	DRAWN BY
	ESR
	SHEET NAME
	WIRING
	CALCULATIONS
	SHEET SIZE
	ANSI B
	11" X 17"
	SHEET NUMBER
	PV-7

## CAUTION: AUTHORIZED SOLAR PERSONNEL ONLY!

LABEL-1: LABEL LOCATION: AC DISCONNECT

### WARNING: PHOTOVOLTAIC POWER SOURCE

EVERY 10' ON CONDUIT & ENCLOSURES

LABEL-2: <u>LABEL LOCATION:</u> EMT/CONDUIT RACEWAY SOLADECK / JUNCTION BOX CODE REF: NEC 690.31 (D)(2)

## 

#### ELECTRICAL SHOCK HAZARD

TERMINALS ON THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LABEL- 3: <u>LABEL LOCATION:</u> AC DISCONNECT INVERTER MAIN SERVICE PANEL SUBPANEL MAIN SERVICE DISCONNECT CODE REF: NEC 690.13(B)

#### MARNING DUAL POWER SOURCE SECOND SOURCE IS PHOTOVOLTAIC SYSTEM

LABEL- 4: LABEL LOCATION PRODUCTION METER UTILITY METER MAIN SERVICE PANEL SUBPANEL CODE REF: NEC 705.12(C) & NEC 690.59

## 

TURN OFF PHOTOVOLTAIC AC DISCONNECT PRIOR TO WORKING INSIDE PANEL

LABEL- 5: LABEL LOCATION: MAIN SERVICE PANEL SUBPANEL MAIN SERVICE DISCONNECT CODE REF: NEC 110.27(C) & OSHA 1910.145 (f) (7)

> CAUTION PHOTOVOLTAIC SYSTEM CIRCUIT IS BACKFEED

LABEL- 6; <u>LABEL LOCATION:</u> MAIN SERVICE PANEL (ONLY IF SOLAR IS BACK-FED) SUBPANEL (ONLY IF SOLAR IS BACK-FED) CODE REF: NEC 705.12(D) & NEC 690.59

# A WARNING

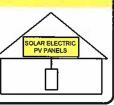
POWER SOURCE OUTPUT CONNECTION. DO NOT RELOCATE THIS OVERCURRENT DEVICE

#### LABEL- 7: LABEL LOCATION:

MAIN SERVICE PANEL (ONLY IF SOLAR IS BACK-FED) SUBPANEL (ONLY IF SOLAR IS BACK-FED) CODE REF: NEC 705.12(B)(3)(2)

## SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN THE ARRAY



LABEL- 8: <u>LABEL LOCATION;</u> AC DISCONNECT CODE REF; IFC 605.11.3.1(1) & NEC 690.56(C)

## RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

LABEL- 9 <u>LABEL LOCATION</u> AC DISCONNECT CODE REF: NEC 690.56(C)(2)

# PHOTOVOLTAIC

## AC DISCONNECT

LABEL- 10: <u>LABEL LOCATION:</u> AC DISCONNECT CODE REF: NEC 690.13(B)

# PHOTOVOLTAIC

DC DISONNECT

LABEL- 11: LABEL LOCATION: INVERTER CODE REF: NEC 690.13(B)

### PHOTOVOLTAIC AC DISCONNECT

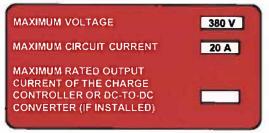
32.00 A

NOMINAL OPERATING AC VOLATGE 240 V

RATED AC OUTPUT CURRENT

LABEL- 12: LABEL LOCATION: MAIN SERVICE PANEL SUBPANEL AC DISCONNECT CODE REF: NEC 690.54

INVERTER AC DISCONNECT	
NOMINAL OPERATING AC VOLATGE	240 V
RATED AC OUTPUT CURRENT	32.00 A
LABEL 13: LABEL LOCATION: INVERTER CODE REF: NEC 690.54	32.00 A



LABEL- 14 LABEL LOCATION INVERTER CODE REF: NEC 690 53

## MAIN PHOTOVOLTAIC SYSTEM DISCONNECT

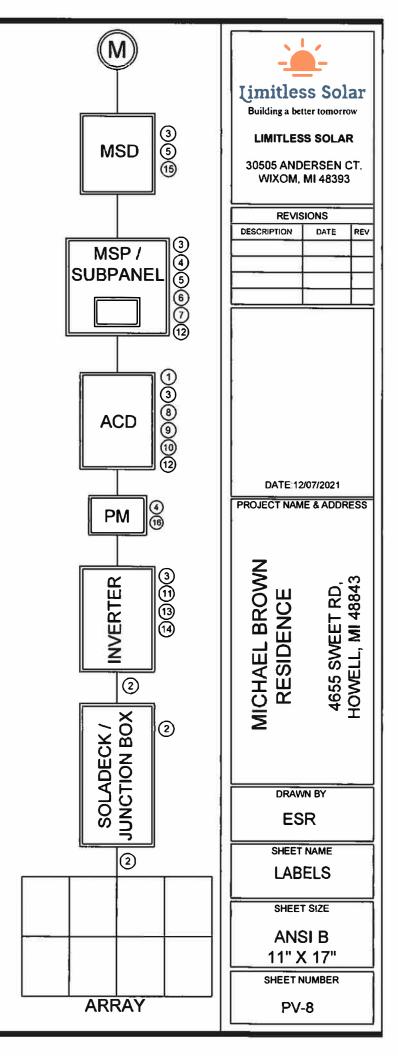
LABEL- 15: <u>LABEL LOCATION.</u> MAIN SERVICE DISCONNECT (ONLY IF MAIN SERVICE DISCONNECT IS PRESENT) CODE REF: NEC 690.13(B)

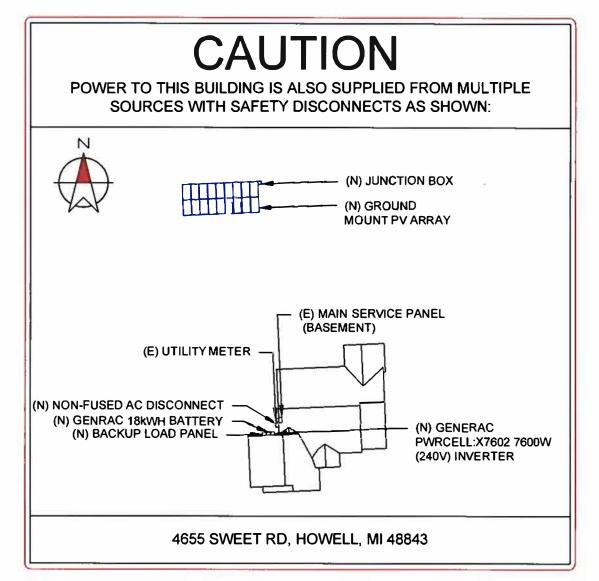
## PRODUCTION METER

LABEL- 16: LABEL LOCATION PRODUCTION METER (ONLY IF PRODUCTION METER IS USED)

## NOTE:

\*\* ELECTRICAL DIAGRAM SHOWN IS FOR LABELING PURPOSES ONLY. NOT AN ACTUAL REPRESENATION OF EQUIPMENT AND CONNECTIONS TO BE INSTALLED. LABEL LOCATIONS PRESENTED MAY VERY DEPENDING ON TYPE OF INTERCONNECTION METHOD AND LOCATION PRESENTED ELECTRICAL DIAGRAM PAGE. \*\*





#### DIRECTORY

PERMANENT PLAQUE OR DIRECTORY PROVIDING THE LOCATION OF THE SERVICE DISCONNECTING MEANS AND THE PHOTOVOLTAIC SYSTEM.

(ALL PLAQUES AND SIGNAGE WILL BE INSTALLED AS OUTLINED WITHIN: NEC 690.56(B)&(C), [NEC 705.10])

LABELING NOTES:

1. LABELS CALLED OUT ACCORDING TO ALL COMMON CONFIGURATIONS. ELECTRICIAN TO DETERMINE EXACT REQUIREMENTS IN THE FIELD PER CURRENT NEC AND LOCAL CODES AND MAKE APPROPRIATE ADJUSTMENTS.

2. LABELING REQUIREMENTS BASED ON THE 2017 NATIONAL ELECTRIC CODE, OSHA STANDARD 19010.145, ANSI 2535.

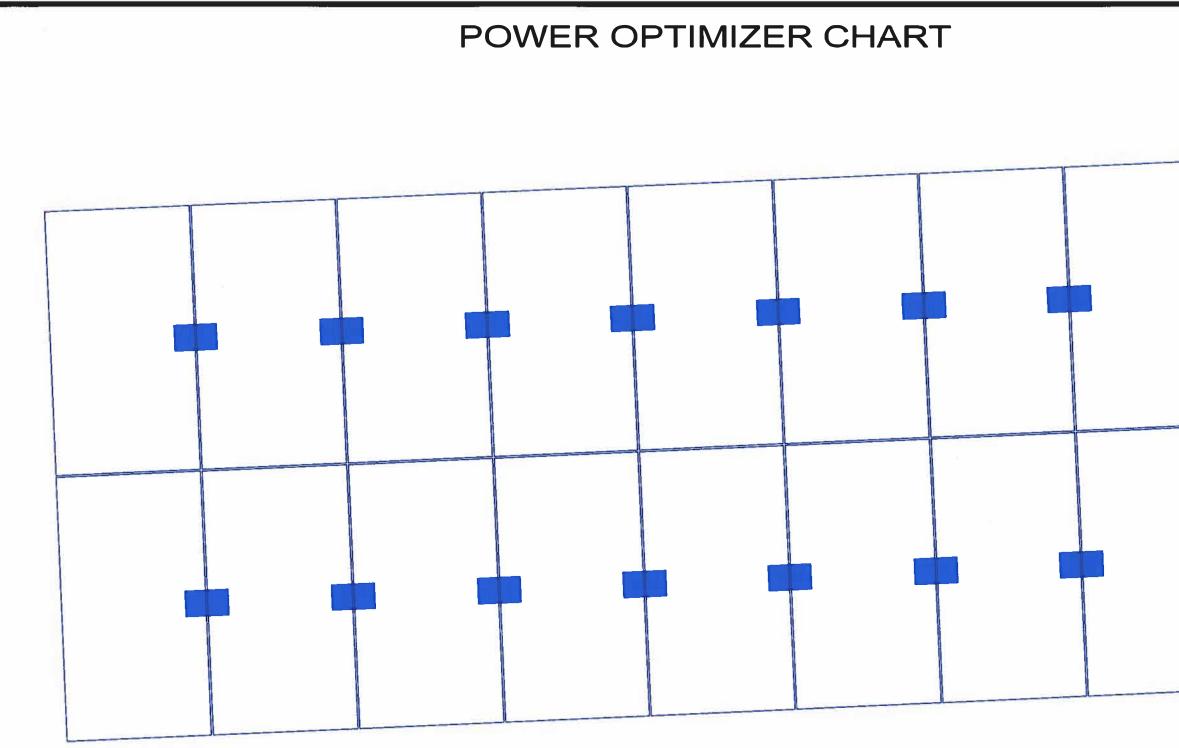
3. MATERIAL BASED ON THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.

4. LABELS TO BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED [NEC 110.21]

5. LABELS TO BE A MINIMUM LETTER HEIGHT OF 3/8", WHITE ON RED BACKGROUND; REFLECTIVE, AND PERMANENTLY

AFFIXED [IFC 605.11.1.1]

Limitless Building a better LIMITLESS 30505 ANDE WIXOM, M REVISIO	r tomorrow SOLAR RSEN CT. II 48393
DATE:12/0 PROJECT NAME	
MICHAEL BROV RESIDENCE	4655 SWEET HOWELL, MI 4
DRAWN	
SHEET N PLAC	ARD
SHEET S ANS 11" X SHEET NU PV-	I B 17" MBER



LIMITLESS SOLAR Building a better tomorrow LIMITLESS SOLAR 30505 ANDERSEN CT. WIXOM, MI 48393
DATE: 12/07/2021 PROJECT NAME & ADDRESS MODER & GROWN BUNNER BORNON DRAWN BY ESR DRAWN BY ESR MICRO INVERTER CHART SHEET NAME MICRO INVERTER CHART SHEET SIZE ANSI B 11" X 17"



Engineered in Germany

buildings

THE IDEAL SOLUTION FOR:

Rooftop arrays on commercial / industrial

Ground-mounted

solar power plants

# QCELLS

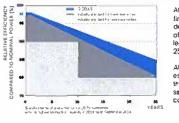
#### MECHANICAL SPECIFICATION

Format	81.9 in < 40.6 in × 1.38 in (including frame) (2080 mm × 1030 mm × 35 mm)	<u>۴</u>
Weight	55 1 lbs {25.0 kg}	1
Front Cover	0.13in (3.2 mm) thermally pre-stressed glass with anti-refection technology	4.0
Back Cover	Composite film	ar .
Frame	Anodized atuminum	c1000 mm
Cell	6 × 24 monocrystalline Q.ANTUM solar half cells	
Junction Box	2.09-3 98in × 1.26-2.36in × 0.59-0.71in (53-101mm × 32-60mm × 15-18mm), IP67, with bypass diodes	
Cable	4mm² Solar cable, (+) ≥55.1 in (1400mm), (-) ≥55.1 in (1400mm)	4.00
Connector	Stäubli MC4-Evo2, Hanwha Q CELLS HQC4, Amphenol UTX, Renhe 05-8, JMTHY JM601A; Tongling Cable01S-F, IP68 or Friends PV2e; IP67	

#### **ELECTRICAL CHARACTERISTICS**

PO	WER CLASS			415	420
MIN	IMUM PERFORMANCE AT STANDA	RD TEST CONDITIC	NS STC: (POWI	ER TOLERANCE +5W/-0	W)
	Power at MPP <sup>1</sup>	PMF3	[W]	415	420
	Short Circuit Current <sup>1</sup>	l <sub>ic</sub>	[A]	10.69	10.74
upplu	Open Circuit Voltage <sup>1</sup>	Voc	[V]	48.59	48.84
ġ.	Current at MPP	luse	[A]	10.18	10.22
2	Voltage at MPP	V.,	[V]	40.77	41.08
	Efficiency	η	[%]	≥19.4	≥19.6
VS(N	IIMUM PERFORMANCE AT NORMA	L OPERATING CON	DITIONS, NMOT	2	
	Power at MPP	PWFP	[W]	3108	314.5
5	Short Circuit Current	I <sub>sc</sub>	[A]	8.61	8.65
Minimum	Open Circuit Voltage	Voc	[V]	45.82	46.05
	Current at MPP	t <sub>u 20</sub>	[A]	8.01	8.05
	Voltage at MPP	Vuar	IV}	38.79	39.09

#### Q CELLS PERFORMANCE WARRANTY PERFORMANCE AT LOW IRRADIANCE



At least 98% of nominal power during lirst year. Thereafter max. 0.54% degradation per year. At least 93.1% of nominal power up to 10 years. At least 85% of nominal power up to 25 years

All data within measurement toleranc-es. Full warranties in accordance with the warranty terms of the Q CELLS sales organisation of your respective country.

TEMPERATURE COEFFICIENTS				
Temperature Coefficient of Isc	a	[%/K]	+0,04	Temperature Coefficient of Voc
Temperature Coefficient of Pase	Ψ.	(%/K)	-0.35	Normal Module Operating Temperatu

#### **PROPERTIES FOR SYSTEM DESIGN**

[V]	1500 (IEC)/1500 (UL)	Safety Class
[A DC]	20	Fire Rating based on ANSI/UL 1703
[lbs/ft <sup>2</sup> ]	75 (3600Pa)/33 (1600Pa)	Permitted Module Temperature
[Ibs/ft <sup>2</sup> ]	113 (5400 Pa) / 50 (2400 Pa)	on Continuous Duty
	[A DC] [Ibs/ft <sup>2</sup> ] [Ibs/ft <sup>2</sup> ]	[A DC]         20           [ibs/ft <sup>-</sup> ]         75 (3600 Pa)/33 (1600 Pa)           [ibs/ft <sup>-</sup> ]         113 (5400 Pa)/50 (2400 Pa)

#### **QUALIFICATIONS AND CERTIFICATES**

UL 1703. CE-compliant, IEC 61215:2016, IEC 61730-2016 Application Class II, U.S. Patent No. 9,893,215 (solar cells)

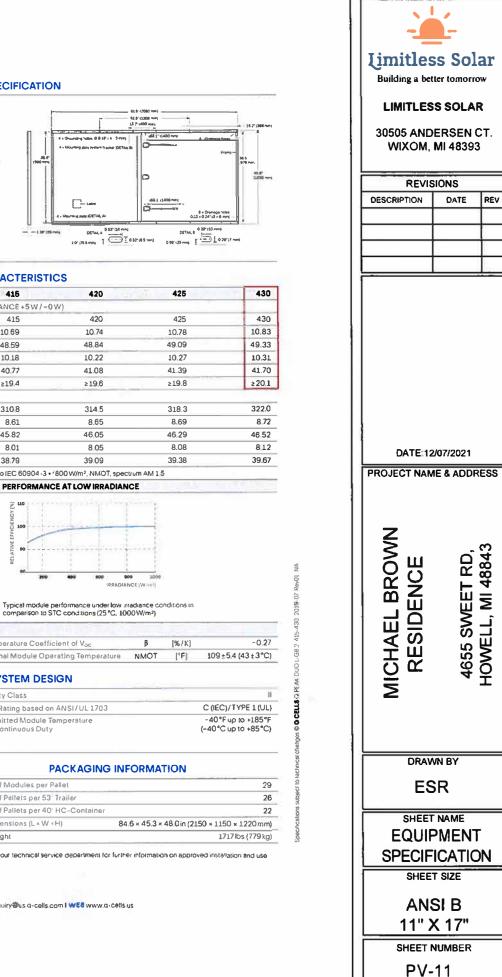
Number of Modules per Pallet

Number of Pellets per 53 Trailer Number of Pallets per 40' HC-Container Pallet Dimensions (L × W < H) Pallet Weight

Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product

#### Hanwha & CELLS America Inc.

400 Spectrum Center Drive. Suite 1400, Irvine. CA 92618. USA | YEL -1 949 748 59 96 | EMAIL inquiry aus q-cells.com | WE8 www.q-cells.us



## **GENERAC**

# **SnapRS**<sup>™</sup>

Inline Disconnect Switch Model APKE00011

Generac SnapRS are a simple way to satisfy rapid shutdown compliance for solar + storage systems. Generac SnapRS are NEC 2017/2020 690.12 compliant, don't require any extra hardware to mount, and need no pairing or fussy digital communications

#### **FEATURES & BENEFITS**

- Fast, easy, and simple to install
- One SnapRS device per PV module
- Achieves PVRSS Compliance
- Low cost, high efficiency solution

#### SYSTEM DESIGN

Snap a Generac SnapRS disconnect device (RS) to the negative lead (-) of each module in the solar array for simple module-level rapid shutdown compliance. SnapRS devices isolate array voltage when a rapid shutdown command is given by a connected PWRcell<sup>™</sup> Inverter. When signaled by the inverter, SnapRS units isolate each PV module in the array, reducing array voltage to <80V in seconds.

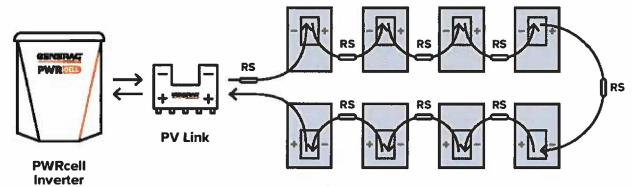


Diagram is applicable for most 60 cell PV modules. Modules with higher cell count may require a different arrangement. Contact Generac for more details.

## Specifications

SnapRS" (APKE00011)	
PV MODULE MAX VOC:	75 V
EFFICIENCY;	99.8%
MAX INPUT CURRENT:	13 A
SHUTDOWN TIME:	< 10 Seconds
ENCLOSURE RATING:	NEMA 6P
OPERATING TEMPERATURE • FAHRENHEIT (CELSIUS):	-40 to 158 °F (+40 to 70 °C)
CERTIFICATIONS:	UL1741
WEIGHT - LB (KG):	0.17 (0.08)
DIMENSIONS, L x W x H - IN (MM)	7* x 1* x 1* (177.8 x 25.4 x 25.4)
WARRANTY	25 Years

'When used with a 50V panel

Connect one SnapRS device to the negative lead of each PV module in the PV Link controlled atray for complete PV Rapid shutdown performance



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www.Generat.com I 888 GENERAC (436 3722)

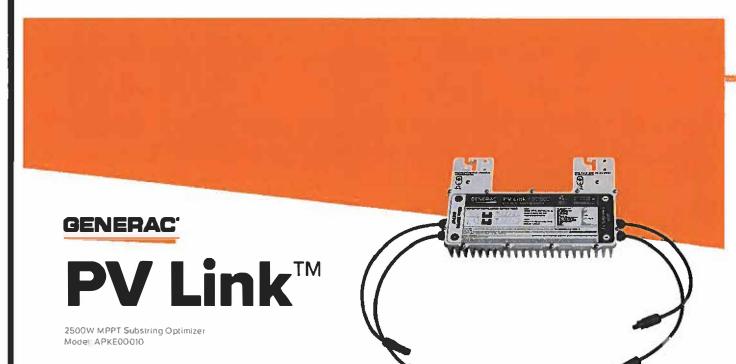
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PV Link is the simple solar optimizer for quick installation and long-lasting performance. Connect PV modules to each PV Link to overcome shading and challenging roof lines.

#### FEATURES & BENEFITS

- Fast, simple installation
- Lower failure risk than module-level optimizers
- NEC 2017 rapid shutdown compliant with SnapRS<sup>™</sup>
- Quick connections with MC4 connectors
- Exports up to 2500W
- Compatible with PWRcell<sup>®</sup> Inverters
- Cost-effective solution for high-performance PV
- Ground-fault protection

#### SINGLE-STRING PV ARRAY WITH SnapRS DEVICES

Where PV module-level rapid shutdown is required (NEC 690.12), a SnapRS device (RS) is installed to negative (-) lead of each PV module.

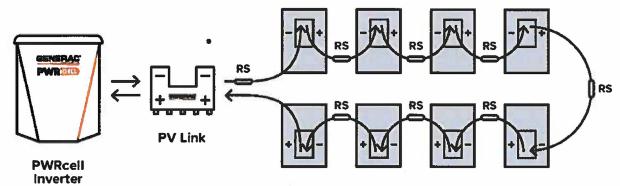
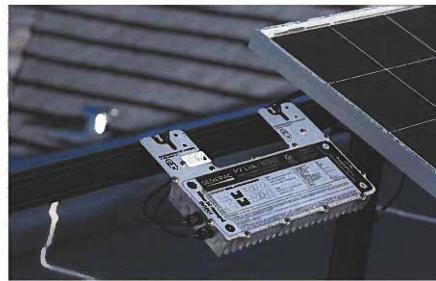


Diagram is applicable for most 60 cell PV modules. Modules with higher cell count may require a different arrangement. Contact Generac for more details,

## Specifications

PV Link (APKE00010)	
RATED POWER*:	2500W
PEAK EFFICIENCY:	99%
MPPT VOLTAGE RANGE	60-360 VMP
MAX INPUT VOLTAGE:	420 VOC; max when cold
MAX OUTPUT:	420 VOC
NOMINAL OUTPUT (REbus*):	380 VDC
MAX OUTPUT CURRENT (CONTINUOUS):	8 A
MAX OUTPUT CURRENT (FAULT):	10 A
MAX INPUT CURRENT (CONTINUOUS):	13 A & 50°C, 10 A & 70°C
MAX INPUT SHORT CIRCUIT CURRENT (ISC):	18 A
STANDBY POWER:	< 1 W
PROTECTIONS:	Ground-fault, Arc-fault (Arc-fault
MAX OPERATING TEMP: FAHRENHEIT (CELSIUS)	158 ºF (70 °C)
SYSTEM MONITORING	PWRview* Web Portal and Mobil
ENCLOSURE.	Type 3R
WEIGHT - LB (KG)	7.3 lb (3.3 kg)
DIMENSIONS, L x W x H - IN (MM):	15.4" x 2" x 9.6" (391.2 x 50.8 x
COMPLIANCE.	UL 1741, CSA 22.2
WARRANTY:	25 Years

\*PV Link can tolerate higher than rated power at its input if Max Input Voltage and Short Circuit Curre



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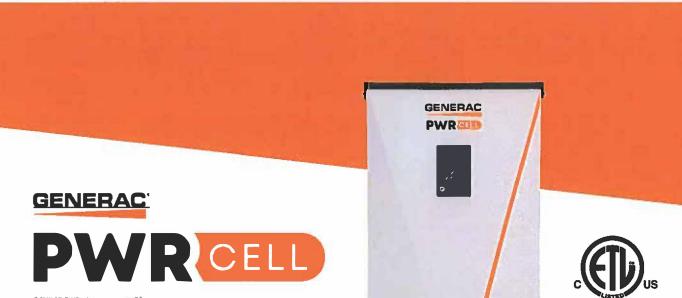
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7.6kW 10 PWRcell Inverter wit CTs Model #: X7602 [Ordering SKU: APKE00014) 11.4 kW 30 PWRcell Inverter with CTs Model #: X11402 [Ordering SKU: APKE00013

Solar + storage is simple with the Generac PWRcell<sup>\*</sup> Inverter. This bi-directional, REbus<sup>\*</sup>-powered inverter offers a simple, efficient design for integrating smart batteries with solar. Ideal for self-supply, backup power, zero-export and energy cost management, the PWRcell Inverter is the industry's most feature-rich line of inverters, available in single-phase and three-phase models.

#### **FEATURES & BENEFITS**

- Single inverter for grid-tied solar with smart battery Integration
- Simplified system design: No autotransformer or battery inverter needed
- \* User-selectable modes for backup power, self-supply, time-of-use, zero-import and export limiting
- Free system monitoring included via PWRview<sup>®</sup> Web Portal and Mobile App

AC OUTPUT/GRID-TIE	MODEL X7602	MODEL X11402
CONT GRID-TIED AC POTHER & SO C (122"F):	7600 W	11400 W
AC OUTPUT VOLTAGE	120:240 10 VAC	120-208. 30 VAC
AC FREQUENCY	GO Hz	
MAXIMUM CONTINUOUS OUTPUT CURRENT	32 A, RM5	
GROUND-FAULT SOLATION DETECTION.	im Jude d	
CHARGE BATTERY FROM AC:	Yes	
THD (CURRENT)	< 2%	
TYPICAL NIGHTTIME POWER CONSUMPTION	< 7 W	

AC OUTPUTIISLANDED	NODEL X7602	MODEL X11402
MAX. CONT ISLANDED AC POWER WITHOUT AN EXTERNAL TRANSFER SWITCH		7600 <del>W</del>
MAX. CONT ISLANDED AC POWER W. EXTERNAL TRANS FER SWITCH AND SINGLE 6 MODULE BATTERY CABINET		9000 W
MAX. CONT ISLANDED &C POWER W/ EXTERNAL TRANSFER SWITCH AND 2 BATTERY CABINETS (8 MODULES MINIMUM) <sup>2</sup>	11000 W	9600 ¥ 11000 W
PEAK MOTOR STARTING CURRENT (2 SEC).	50 A. RMS	
AC BACKUP OUTPUT VOLTAGE	120-243 10 VA	C 120-208, 10 VAC
AC FREQUENCY	60	Hz
THD (VOLTAGE).	•;	2%
ALLOWABLE SPLIT PHASE IMBALANCE	Up to	30%

DC INPUT	MODEL X7602	MODEL X11402
DC INPUT VOLTAGE RANGE	360 420 VDC	
NOMINAL DC BUS VOLTAGE	380 VDC	
DC DISTRIBUTION INPUT BREAKERS	4 x 2P30 A	
MAX INPUT CURRENT PER DC INPUT	30 A	
REVERSE-POLARITY PROTECTION	Yes	
TRANSFORMERLESS. UNGROUNDED	Yes	
TYPICAL NIGHTTIME POWER CONSUMPTION	« 7 <del>W</del>	
DC BUS EXPORT FUSES (-4-):	40 A	
2 POLE DISCONNECTION	Yes	

EFFICIENCY	MODEL X7602	MODEL X11402
PEAK EFFICIENCY	97.3%	97.7%
CEC WEIGHTED EFFICIENCY.	96.5%	97 5%

<sup>1</sup>When islanded, continuous power output is restricted to 7.6kW unlsess backup power is routed through an external transfer switch. <sup>2</sup>Peak performance, values provided for 40°C (104°F).

'In Island mode X11402 protected loads only supply 2 phases 120 VAC L-N, 208 L-L which results in lower power than in grid tied 3 phase mode. The low value of the range is for full L-L loading while high value of the range is full L-N loading

## **Specifications**

FEATURES AND MODES	
ISLANDING4:	Yes
GRID SELL:	Yes
SELF CONSUMPTION:	Yes
PRIORITIZED CHARGING FROM RENEWABLES:	Yes
GRID SUPPORT - ZERO EXPORT:	Yes
ESS PCS OPERATION MODES (IMPORT ONLY, EXPORT ONLY):	Yes

#### ADDITIONAL FEATURES

SUPPORTED COMMUNICATION INTERFACES:	REbus", CANbus, Ethernet
SYSTEM MONITORING:	PWRview* Web Portal and Mol
BACKUP LOADS DISCONNECT4:	Yes, 50 A Circuil Breaker
INVERTER BYPASS SWITCH:	Automatic
WARRANTY:	10 Years
WARRAN IY:	10 Years

STANDARDS COMPLIANCE	
SAFETY:	UL 1741 SA, CSA 22.2, UL 1998
GRID CONNECTION STANDARDS:	IEEE 1547, Rule 21, Rule 14H, C
EMISSIONS:	FCC Part 15 Class B

DIMENSIONS AND INSTALLATION SPECIFICATION	VS
ENCLOSURE KNOCKOUTS - QTY, SIZE - IN (MM):	6 x Combo 3/4" x 1" (19 x 25.4) 7 x Combo 1/2" x 3/4" (12.7 x 19
DIMENSIONS L x W x H + IN (MM):	24.5" x 19.25" x 8" (622.3 x 488
WEIGHT - LB (KG):	62.7 (28.4)
COOLING	Forced convection
AUDIBLE NOISE:	< 40 dBA
OPERATING TEMPERATURE - FAHRENHEIT (CEL SIUS):	-4 to 122 *F (-20 to 50 *C)*
ENCLOSURE TYPE:	Type 3R

INSTALLATION GUIDELINES	
BATTERY TYPES SUPPORTED:	PWRcell® 8attery
MODULE STRING SIZE PER PV LINK OPTIMIZER:	Varies, refer to PV Link Installati
MAXIMUM RECOMMENDED DC POWER FROM PV6:	10 kW (10), 15 kW (30)

#### 430 inverters offer islanding for 10 loads.

<sup>3</sup>Includes ambient temperature rising from inverter operation. Reduced power at extreme temperatures. Specifications listed in this document are achieved with firmware version 13310 or greater. Confirm inverter has latest fi 4Vatues provided for PV-only or small storage systems. Additional PV power is permissible if sufficient battery storage

#### Generac Power Systems, Inc.

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	Limitless Solar Building a better tomorrow LIMITLESS SOLAR 30505 ANDERSEN CT. WIXOM, MI 48393
obile App 18 CSIP, UL 1741 PCS CRD (Import Only, Export Only)	DATE:12/07/2021 PROJECT NAME & ADDRESS
4) 19) 188.9 x 203.2) Ilalion Manual	MICHAEL BROWN RESIDENCE 4655 SWEET RD, HOWELL, MI 48843
firmware to ensure full performance. copacity is installed.	DRAWN BY ESR SHEET NAME EQUIPMENT SPECIFICATION SHEET SIZE ANSI B 11" X 17" SHEET NUMBER PV-14

## GENERAC



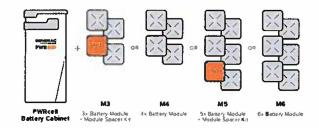
PWRcell Outdoor Rated Battery Cabinet (Or dering SKU APKE00028) 3 0kWti PWRcell DCB Battery Module Model # BJ-DCB05ZKBG (Ordering SKU G0080040) 3 OkWh PWRcell EX Battery Module odel # 60080001

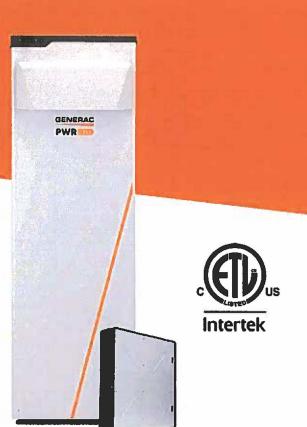
The PWRcell "Outdoor Rated (OR) Battery Cabinet is a Type 3R smart battery enclosure that allows for a range of configurations to suit any need, small or large, indoor or outdoor. No other smart battery offers the power and flexibility of PWRcell.

#### **PWRcell BATTERY CABINET DESIGN**

The PWRcell Battery Cabinet allows system owners the flexibility to scale from an economical 9kWh to a massive 18kWh by installing additional battery modules to the PWRcell Battery Cabinet. An existing PWRcell Battery Cabinet can be upgraded with additional modules. Use the graphic below and the chart on the back of this sheet to understand what components you need for your chosen PWRcell configuration.

#### **BATTERY CONFIGURATION GUIDE**

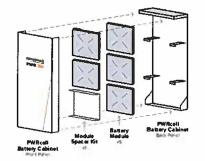




#### **FEATURES & BENEFITS**

- Connect 2 PWRcell Battery Cabinets to a single PWRcell Inverter for up to 36kWh of storage
- Best-in-class battery backup power
- Plug-and-play with PWRcell Inverter and PV Link
- Time-of-use (TOU) and zero-export ready
- Residential and commercial application ready.
- 3R-rated cabinet allows for outdoor or indoor installation
- Additional mounting hardware for outdoor installations comes standard to provide additional ground clearance and support

#### BATTERY CABINET ASSEMBLY



## **Specifications**

		A	201111	
BATTERY MODULE SERIES:		3.0 kWh DCB		
BATTERY MODULES	3	4		
USABLE ENERGY:	9 kWh	12 kWh	15 1	
NOMINAL CONT. AC POWER'	3.4 kW	4.5 kW	5.6	
MAX. CONT. AC POWER	4.5 kW	6 kW	7,5	
NOMINAL CONT. DC (CHARGE/DISCHARGE) - A	11.6	15 5	19	
PEAK MOTOR STARTING CURRENT (2 SEC) - A. RMS:	25	33	4	
REbus" VOLTAGE - INPUT/OUTPUT:		360-42	O VDC	
NOMINAL VOLTAGE		380 \	/DC	
DC-DC ROUND-TRIP EFFICIENCY		96.5	5%	
MAXIMUM AMBIENT OPERATING TEMPERATURE		14 TO 122 °F {-10 TO 50 *C}		
OPTIMAL AMBIENT OPERATING TEMPERATURE:		41 to 104 'F (5 to 40 °C)		
MAXIMUM INSTALLATION ALTITUDE - FT (M)		9834 (3000)		
DIMENSIONS. L x W x H - IN (MM):		22" x 10" x 68" (559 x 254 x 1727)		
WEIGHT, ENCLOSURE - LB (KG)		115 (	52)	
WEIGHT, INSTALLED W/ DCB MODULES - LB (KG)	280 (127)	335 (152)	390	
WEIGHT, INSTALLED W/ EX MODULES - LB (KG)	287 (130)	344 (156)	401	
WEIGHT, ACCESSORY MOUNTING HARDWARE - LB (KG):		21 (1	10)	
ENCLOSURE TYPE.	Туре	3R		
WARRANTY - LI-ION MODULES	10 Years. (2	7.56MWh)		
WARRANTY - ELECTRONICS AND ENCLOSURE:	10 Years			
COMMUNICATION PROTOCOL:	REbus <sup>®</sup> DC Nanogrid <sup>®</sup>			
SEISMIC RATING:		IEEE 693-20	) 18 (HIGH)	
COMPLIANCE		UL 9540, UL 1973, UL 1	642. CSA 22.2	

'Average AC power over a complete discharge cycle. 17Peak Performance, values provided for 40°C (104°F). Note: Charge/discharge rate may be reduced at temperature extremes

#### **PWRcell ACCESSORIES**

#### Inside of the PWRcell Battery Cabinet, battery modules are stacked two deep on three levels, allowing for up to six modules to be connected in series. You can upgrade an existing PWRcell Battery Cab net by adding **PWRcell** Battery Modules and a Module Spacer (APKED0008). A Module Spacer is only required for battery configurations with an odd number of modules (i.e. 3 or 5).

Generac offers a convenient PWRcell Battery Upgrade Kit (APKE00009) to help replace lost or misplaced hardware.

Sample Model Name: PWRcell OR M3 OCB

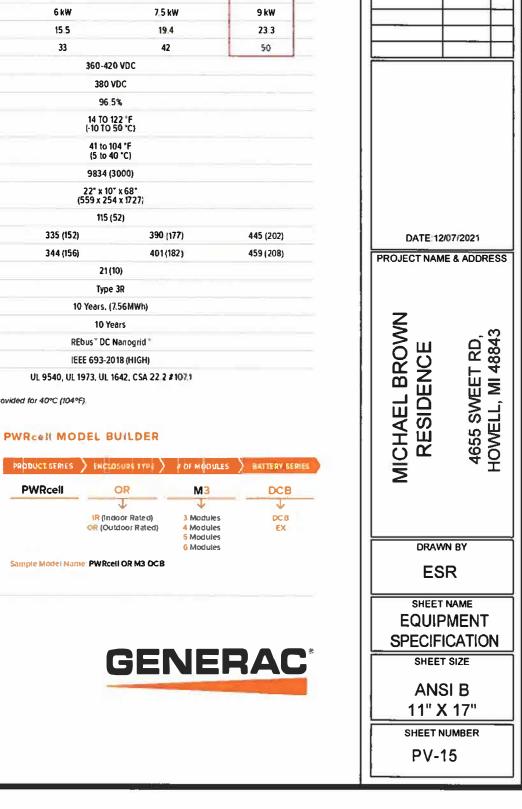
Note: When adding modules, be sure all modules within an individual cobinet are of the same series type (i.e., EX or DCB).

Generac Power Systems, Inc. S45 W29290 Hwy. 59, Waukesha, WI 53189

www.Generac.com | 888-GENERAC (436-3722)

A0000949454 REV F

©2021 Generac Power Systems. All rights reserved. Specifications are subject to change without notice



6

18 kWh

6.7 kW

5

15 kWh

5.6 kW



Building a better tomorrow

LIMITLESS SOLAR

30505 ANDERSEN CT, WIXOM, MI 48393

REVISIONS

DATE REV

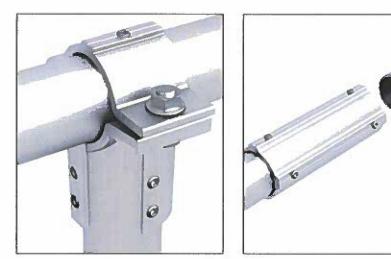
DESCRIPTION

# SUNMODI GO BIG ON TURF

## Key Features of SunTurf™ Ground Mount System



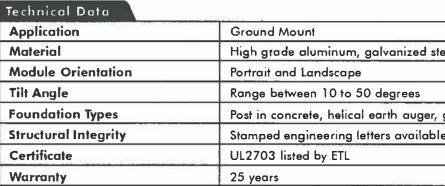
SunTurf<sup>™</sup> Ground Mount System easily integrate Helio Ralls with Schedule 40 steel pipes. No drilling is required to attach the aluminum rails to the horizontal pipe. Optional bracing can provide additional structural rigidity for sites with high snow or wind load conditions. Anchor any ground mount installation using one of our fountain types including helical piles, precast ballasts and concrete piers.



## Augers and Ground Screws

Our augers are suitable for use in weak to moderate strength soils and areas with a high-water table. Our ground screws are ideal for use in hard packed earth or soils with large amounts of cobble and gravel.





High grade aluminum, galvanized steel and 304 stainless steel hardware Post in concrete, helical earth auger, ground screw anchor and ballast Stamped engineering letters available SunModo, Corp. Vancouver, WA., USA • www.sunmodo.com • 360.844.0048 • info@sunmodo.com

SunTurf<sup>™</sup> Ground Mount System



## SunModo offers

ANNI MANA the next generation Ground Mount System with SunTurf™ The streamlined design combines the strength of Helio Rails with steel pipes to create the perfect ground mount solution.

SurTurf<sup>™</sup> is ideal for solar installers looking for a durable and cost-effective system that can accommodate a wide variety of soil conditions.

## The SunTurf<sup>™</sup> Ground Mount Advantage

- ✓ Easily scalable from kilowatts to multimegawatts PV Arrays.
- ✓ Foundation design solution for every soil condition.
- ✓ Online configuration tool available to streamline design process.
- ✓ Components optimized for strength, durability and fast installation.
- ✓ UL 2703 Listed by Intertek.





Limitless Solar Building a better tomorrow			
30505 ANDERSEN CT. WIXOM, MI 48393			
REVISIONS			
DESCRIPTION DATE REV			
DATE:12/07/2021 PROJECT NAME & ADDRESS			
PROJECT NAME & ADDRESS			
MICHAEL BROWN RESIDENCE 4655 SWEET RD, HOWELL, MI 48843			
DRAWN BY ESR			
SHEET NAME EQUIPMENT SPECIFICATION SHEET SIZE			
ANSI B 11" X 17"			
SHEET NUMBER PV-16			



## Wyssling Consulting

76 North Meadowbrook Drive Alpine, UT 84004 office (201) 874-3483 swyssling@wysslingconsulting.com

December 8, 2021

Limitless Solar 30505 Andersen Court Wixom, MI 48393

Re:

Engineering Services Brown Residence 4655 Sweet Road, Howell MI 7.740 kW System

To Whom it May Concern:

Pursuant to your request, we have reviewed the following information regarding ground mount solar panel installation at the above referenced location:

- 1. Structural drawings/design prepared by EnergyScape identifying specific racking layout, footing design and components for the proposed ground mount system.
- 2. Design drawings of the proposed system including a site plan, and details for the solar panels. This information was prepared by EnergyScape and will be utilized for approval and construction of the proposed system.

Based on our review of the Photovoltaic Array installed at 2 modules high and 9 modules wide. The PV array shall have a screw/auger spacing of 7'-1" max east/west and 7'-6" max north/south. Based on a wind speed of 115 mph with a ground snow load of 25 PSF and Exposure C, it was determined that the minimum required depth of the auger/screw shall be 63" inches below grade. The augur/screw shall be tested in the field after installation to provide minimum 2,000 lbs pull out and this information shall be provided to this office.

Based on the above evaluation, it is the opinion of this office that with appropriate panel anchors being utilized the roof system will adequately support the additional loading imposed by the solar panels. This evaluation is in conformance with the 2015 International Residential Code, current industry and standards, and based on information supplied to us at the time of this report.

This certification is specific to the screw/auger for the solar system and does not include the racking system. Racking system and components designed and specified by the manufacturer. (SunModo).

Should you have any questions regarding the above or if you require further information do not hesitate to contact me.

truly vours

Scott E. Wyssling, PE Michigan License No 620 1068147





2911 Dorr Road Brighton, MI 48116 810.227.5225 810.227.3420 fax genoa.org

# CODE ENFORCEMENT

February 14, 2024

Mr. & Mrs. Brown 4655 Sweet Rd. Howell, MI 48843

Dear: Mr. & Mrs. Brown

Livingston County Building Department informed us of the final inspection of the ground mounted solar array. Unfortunately, the solar array was not installed in accordance to the Genoa Township ordinances or what is was approved on the original site plan. The original site plan has been attached along with a copy of the Genoa Township Solar ordinance and a copy of your site plan and where the solar array can be placed.

We are interested in further discussing these issues with you and working with you to bring the property into compliance with the Zoning Ordinance. Please contact the Township within seven (7) days of this notice to set up a timeframe to have the solar array moved to a place that is in accordance with the Genoa Township Ordinance.

Sincerely,

Sharon Stone Ordinance Officer Genoa Township

#### SUPERVISOR

Bill Rogers

Paulette A. Skolarus

TREASURER Robin L. Hunt

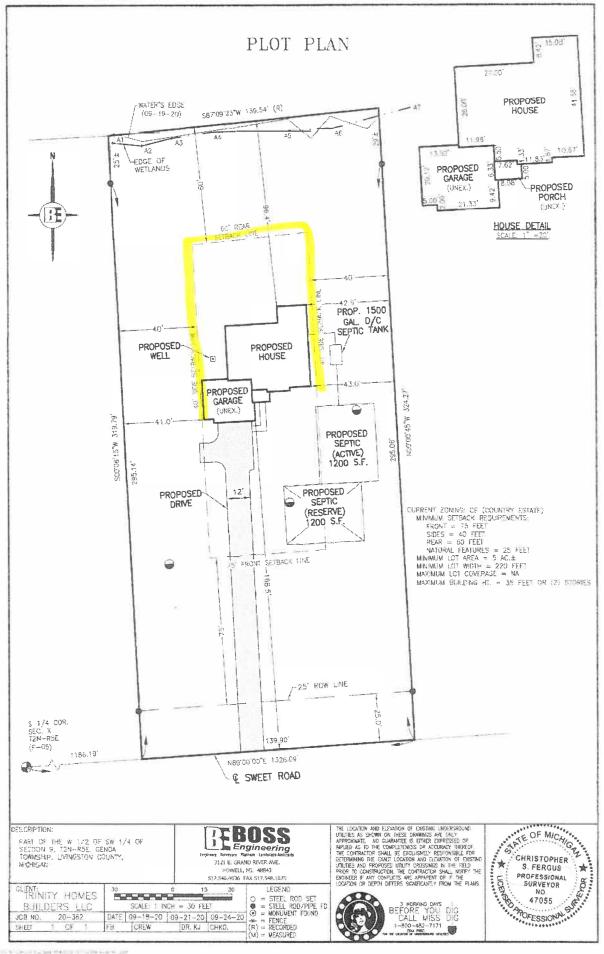
TRUSTEES

Jean W. Ledford H. James Martensen Terry Craft Diana Lowe

MANAGER Kelly VanMarter



Site Plan For Pal-246



Children Carport Statistics (1992) and and

### **Sharon Stone-Francis**

From:ShaSent:TueTo:'eriSubject:465Attachments:DO

Sharon Stone-Francis Tuesday, March 12, 2024 9:41 AM 'eric@ericstammteam.com' 4655 Sweet Road DOC.pdf

Good Morning:

I thought I would make you aware of a violation on the property that Genoa Township has made the owner of 4655 Sweet Road aware of but have not heard back from.

The violation would roll over to the new owner if the property is sold and the violation is not taken care of. I have attached all the information, including the violation letter that was written back in February. Please let me know if you have any questions or concerns.

Sharon Stone Building and Zoning Compliance Genoa Charter Township 2911 Dorr Road, Brighton, Michigan 48116 Phone: (810) 227-5225, Fax: (810) 227-3420 E-mail: Sharon@genoa.org, Url: www.aenoa.ora



Parcel Number: 4711-09-400-004 Jurisdiction: GENOA CHARTER TOWNSHIP County: LIVINGSTON

04/10/2024 Printed on

Grantor	Grantee		Sal		ale ate	Inst. Type	1	Terms of Sale		Liber & Page	Ver By	ified		Prcnt. Trans.
DOUGLAS ARTHUR & SUSAN	BROWN MICHAEL & CINDY		70,00	0 08/2	3/26/2020 MLC		16-LC PAYOFF			2020R-029229		ER/SELLER		100.0
KYTASTY JOHN		UGLAS ARTHUR & SUSAN			/05/2017 WD		03-ARM'S LENGTH		I	2017R-014370				100.0
KYTASTY, PETER & LYDIA	KYTASTY JOHN			0 03/15	5/2007	QC	(	03-ARM'S LENGTH	I	2007R-0109	93 BUY	BUYER/SELLER		100.0
				_										
Property Address		Class: RESIDENTIAL-IMPROV			ning: C	E B	Build	ling Permit(s)		Date	Number	S	tatus	
4655 SWEET RD		School: H	HOWELL PUBLIC	SCHOOL	JS	0	ther	2		12/16/2021	P21-24	6 7	FINAI	L BL
		P.R.E. 10	00% 11/03/202	1		D	eck			08/13/2021	P21-16	1 7	FINAI	L BL
Owner's Name/Address		MAP #: V2	24-11			R	Resid	lential New Con	structi	09/30/2020	P20-16	5 7	FINAI	L BL
BROWN MICHAEL & CINDY		2025 Es	t TCV Tentati	ve (24,	800 MC	L 211								
4655 SWEET RD HOWELL MI 48843		X Improv	ved Vacant	t La	and Val	ue Est	imat	es for Land Tak	ble 4500.H	OWELL M& B				
		Public	:					*	Factors *					
		Improv	vements				Fron	tage Depth Fi				n		alue
Tax Description		Dirt H	Road L Road		AND TAB	le A			.000 Acres tal Acres	62,000 10 Total Es		Value =	-	,000 ,000
SEC. 9 T2N, R5E, BEG. AT S	G. E. COR. OF W	Paved											,	
1/2 OF SE 1/4 OF SEC. TH N 311.2 FT, W 140 FT, S 311.2 FT, E 140 FT TO POB, ALSO ALL LAND N OF DESCRIBED PARCEL & S OF		Storm Sewer Sidewalk Water			Sewer Land Improvement Cost Estimates			ovements	Rate	Size	% Good	Cash	Value	
LAKE LOCATED TO N OF DESCR	KIBED PARCEL	Sewer Electric			Description Rat				Rate				Value	
			ric		SOLAR	PANELS		tal Estimated I	,	750.00 vements Tru	18 e Cash V	50 Value =		24,750 24,750
			Curb Street Lights Standard Utilities Underground Utils.											
		Topogr Site	raphy of											
		Level Rollin Low High	ng											
		Landso Swamp Woodeo Pond	1											
		Wateri Ravine Wetlar	e											
			Plain	Ye	ar		land	Building Value	-	essed E Value	oard of Review	Tribunal, Other		axable' Value
		Who N	When Wha	at 20	)25	Tentat	ive	Tentative	e Tent	ative			Ten	ntative
4711-09-400-004	10/13/2021	T ·	9/2023 REVIEW		024	-	000	212,400	24	3,400			22	24,350C
The Equalizer. Copyright (c) 1999 - 2009. Licensed To: Township of Genoa, County of			7/2022 INSPEC	red 20	)23	28,	500	183,100	21	1,600			20	04 <b>,</b> 465C
Livingston, Michigan			20	)22	28,	500	164,800	19	3,300			19	93,300S	

\*\*\* Information herein deemed reliable but not guaranteed\*\*\*

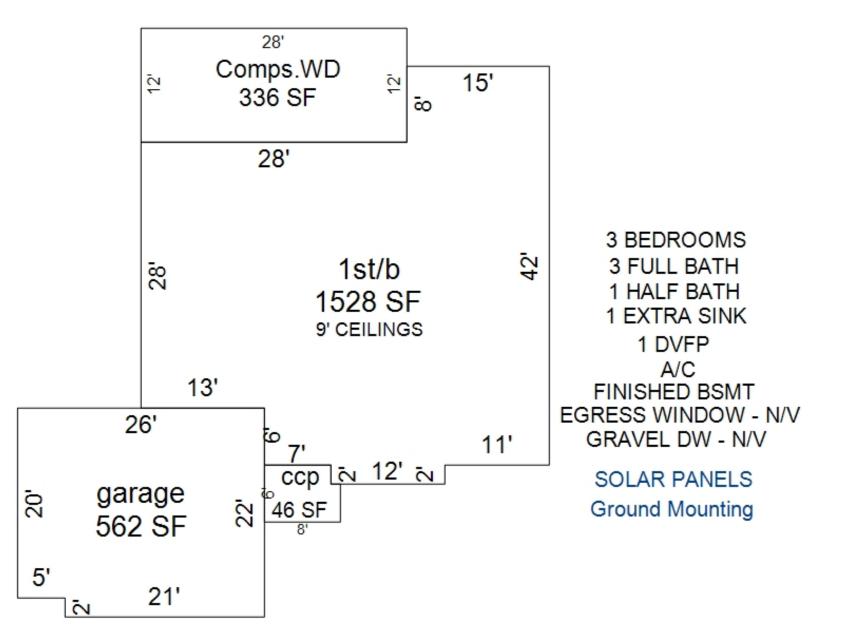
Residential Building 1 of 1

#### Parcel Number: 4711-09-400-004

Printed on 04/10/2024

Building Type	(3) Roof (cont.)	(11) Heating/Cooling	(15) Built-ins	(15) Fireplaces	(16) Porches	s/Decks (17	') Garage
X Single Family Mobile Home Town Home Duplex A-Frame X Wood Frame Building Style: BC Yr Built Remodeled 2020 0 Condition: Good	X Eavestrough X Insulation 0 Front Overhang 0 Other Overhang (4) Interior X Drywall Plaster Paneled Wood T&G Trim & Decoration Ex X Ord Min Size of Closets	XGas WoodOil CoalElec. SteamForced Air w/o DuctsForced Air w/ DuctsForced Hot WaterElectric BaseboardElec. Ceil. Radiant Radiant (in-floor)Electric Wall Heat Space Heater Wall/Floor FurnaceXForced Heat & Cool Heat Pump No Heating/Cooling	Appliance Allow. Cook Top Dishwasher Garbage Disposal Bath Heater Vent Fan Hot Tub Unvented Hood Vented Hood Intercom Jacuzzi Tub Jacuzzi repl.Tub Oven Microwave	Interior 1 Story Interior 2 Story 2nd/Same Stack Two Sided Exterior 1 Story Prefab 1 Story Prefab 2 Story Heat Circulator Raised Hearth Wood Stove 1 Direct-Vented Gas Class: BC Effec. Age: 2	46 CCP (1 336 Composit	Story) te Exte Bric Stor Comm Four Fini Auto Mech Area % Go Stor	Built: Capacity: ss: BC erior: Siding ck Ven.: 0 he Ven.: 0 hon Wall: 1/2 Wal hdation: 42 Inch shed ?: Yes b. Doors: 0 h. Doors: 0 h: 562 bod: 0 rage Area: 0
Basement 1st Floor 2nd Floor	Lg X Ord Small Doors: Solid X H.C. (5) Floors Kitchen: Other:	Central Air Wood Furnace (12) Electric 0 Amps Service	Standard Range Self Clean Range Sauna Trash Compactor Central Vacuum Security System	Floor Area: 1,528 Total Base New : 433 Total Depr Cost: 424 Estimated T.C.V: 424	1,881 X	E.C.F. Bsmr 1.000	Conc. Floor: 0 ht Garage: port Area:
3 Bedrooms (1) Exterior Wood/Shingle Aluminum/Vinyl Brick	(6) Ceilings	No./Qual. of Fixtures         Ex.       X       Ord.       Min         No. of Elec. Outlets         Many       X       Ave.       Few	(11) Heating System: Ground Area = 1528 S	F Floor Area = 1528 /Comb. % Good=98/100/	SF.	Cls BC Cost New	Blt 2020 Depr. Cost
X Vinyl X Insulation (2) Windows	(7) Excavation	(13) Plumbing Average Fixture(s) 3 3 Fixture Bath		Brick Basement	1,528 Total:	316,845	310,509
Many Large X Avg. X Avg. Few Small	Basement: 1528 S.F. Crawl: 0 S.F. Slab: 0 S.F.	2 Fixture Bath Softener, Auto Softener, Manual	Recreation Room Plumbing 3 Fixture Bath		1200	34,416 14,342	33,728 14,055
Wood Sash Metal Sash	Height to Joists: 0.0 (8) Basement	Solar Water Heat No Plumbing Extra Toilet	Extra Sink Water/Sewer 1000 Gal Septic		1	1,477 5,916	1,447
Vinyl Sash Double Hung Horiz. Slide	Conc. Block Poured Conc.	1 Extra Sink Separate Shower Ceramic Tile Floor	Water Well, 150 Fe Porches CCP (1 Story)	et	1 46	9,690 1,870	9,496 1,833
Casement Double Glass Patio Doors Storms & Screens	Stone Treated Wood Concrete Floor (9) Basement Finish	Ceramic Tile Wains Ceramic Tub Alcove Vent Fan	Garages Class: BC Exterior: Base Cost	Siding Foundation: 42	2 Inch (Finishe 562	ed) 39 <b>,</b> 177	38,393
(3) Roof X Gable Gambrel	1200 Recreation SF Living SF	(14) Water/Sewer Public Water Public Sewer	Common Wall: 1/2 W Fireplaces Direct-Vented Gas Deck	all	1	-1,636 4,616	-1,603 4,524
Hip Flat Mansard Shed X Asphalt Shingle	Walkout Doors (B) No Floor SF Walkout Doors (A) (10) Floor Support	2000 Gal Septic	Composite Notes:		336 Totals:	6,838 433,551	6,701 424,881
Chimney:	Joists: Unsupported Len: Cntr.Sup:	Lump Sum Items:	E	CF (4500 (47070) HOWE	CLL M & B) 1.00	00 => TCV:	424,881

\*\*\* Information herein deemed reliable but not guaranteed\*\*\*



<sup>\*\*\*</sup> Information herein deemed reliable but not guaranteed\*\*\*



**GENOA CHARTER TOWNSHIP VARIANCE APPLICATION** 2911 DORR ROAD | BRIGHTON, MICHIGAN 48116 (810) 227-5225 | FAX (810) 227-3420

Case # 24-12	Meeting Date: <u>Aprille 2024</u> Clo: 30pm in Board room PAID Variance Application Fee
\$215.00 for Residential   \$300.00	D for Sign Variance   \$895.00 for Commercial/Industrial
Applicant/Owner: Latson Road LLC	Email: kbahnam@usa2goquickstores.com
Property Address: 1111 S. Latson Road	Phone: 248-767-5337
Present Zoning:_GCD	Tax Code: 4711-09-100-004 & 4711-04-300-017

#### ARTICLE 23 of the Genoa Township Zoning Ordinance describes the Variance procedure and the duties of the Zoning Board of Appeals.

Each application for Variance is considered individually by the ZBA. The ZBA is a board of limited power; it cannot change the Zoning Ordinance or grant relief when it is possible to comply with the Zoning Ordinance. It may provide relief where due to unique aspects of the property with strict application of the zoning ordinance to the land results in practical difficulties or unnecessary hardship.

The applicant is responsible for presenting the information necessary to support the relief requested. While much of the necessary information is gathered through the completed application, other information may be gathered by on-site visits, other sources, and during the ZBA meeting. ZBA members, township officials and township staff may visit the site without prior notification to property owners.

Failure to meet the submittal requirements and properly stake the property showing all proposed improvements may result in postponement or denial of this petition.

Please explain the proposed variance below:

1. Variance requested/intended property modifications: Requesting variance from Section 7.02.02(j)(2)

Requesting to allow a drive thru use on a lot within 500 feet from another drive thru use. Currently,

Panda Express and Panera Bread on teh west side of Latson Road fall within 500' (parcel to parcel).

Please note that the packet and staff report for your scheduled Zoning Board of Appeals meeting will be available to review at https://www.genoa.org/government/boards/zoningboard five days prior to the meeting.

The following is per Article 23.05.03 of the Genoa Township Ordinance:

<u>Criteria Applicable to Dimensional Variances.</u> No variance in the provisions or requirements of the Ordinance shall be authorized by the Board of Appeals unless it is found from the evidence that <u>all</u> of the following conditions exist:

Under each please indicate how the proposed project meets each criteria.

<u>Practical Difficulty/Substantial Justice.</u> Compliance with the strict letter of the restrictions governing area, setbacks, frontage, height, bulk, density, or other dimensional provisions would unreasonably prevent the use of the property. Granting of a requested variance or appeal would do substantial justice to the applicant as well as to other property owners in the district and is necessary for the preservation and enjoyment of a substantial property right similar to that possessed by other properties in the same zoning district and vicinity of the subject parcel.

The subject parcel is a narrow parcel with a depth of about 185' on average. The front setback of 70' and rear setback of 50', account for 120' of the 185' depth of the parcel, which only leaves about 65' of depth for a building. The size of the parcel and depth significantly reduces the list of permittable uses within this district that would be viable on this subject property. Allowing the requested variance for a drive thru use would be consistent with the property rights experienced by many others within the vicinity of the subject parcel.

<u>Extraordinary Circumstances.</u> There are exceptional or extraordinary circumstances or conditions applicable to the property or the intended use which are different than other properties in the same zoning district or the variance would make the property consistent with the majority of other properties in the vicinity. The need for the variance was not self-created by the applicant.

There is a NRPUD on the west side of Latson Road that allows drive-thru restaurants. Of which, contains a Tim Hortons Drive Thru, Panda Express, Panera Bread, Culvers, and White Castle. This significant concentration of drive-thrus in the NRPUD poses an exceptional hardship on the subject property (and other remaining parcels on the Latson Road/Grand River corridor in proximity to

the I-96 interchange as it eliminates the ability to provide a drive thru use within this corridor. A drive thru use on the subject property makes this sites use consistent with the uses currently located within the NRPUD to the west, the MUPUD to the northwest and other parcels on the Latson Road/Grand River corridor near the I-96 interchange.

<u>Public Safety and Welfare.</u> The granting of the variance will not impair an adequate supply of light and air to adjacent property or unreasonably increase the congestion in public streets, or increase the danger of fire or endanger the public safety, comfort, morals or welfare of the inhabitants of the Township of Genoa.

Granting of the requested variance does not impair the supply of light and air to surrounding parcels. A traffic study was performed modifications suggested to the Grand River/Latson Rd signal that would improve current traffic conditions. The location of said drive-thru being located in proximity to the I-96 interchange is appropriate and does not endanger public safety, nor does it conflict with the comfort, morals or welfare of residents of Genoa Township.

<u>impact on Surrounding Neighborhood.</u> The variance will not interfere with or discourage the appropriate development, continued use, or value of adjacent properties and the surrounding neighborhood.

Surrounding parcels have already been developed. A drive thru use on the subject parcel does not hinder the continued use of surrounding parcels. Rather, a drive thru use on Latson Road near the I96 interchange is an appropriate use for the area.

Attendance by the applicant is required at the Zoning Board of Appeals meeting.

Any Variance not acted upon within 12 months from the date of approval is invalid and must receive a renewal from the Zoning Board of Appeals (ZBA).

After the decision is made regarding your Variance approval a land use permit will be required with additional site plans and construction plans.

1~ Date: <u>5-18-24</u> Signature: \_\_\_\_



2911 Dorr Road Brighton, MI 48116 810.227.5225 810.227.3420 fax genoa.org

#### SUPERVISOR

Bill Rogers CLERK Paulette A. Skolarus TREASURER Robin L. Hunt TRUSTEES Jean W. Ledford Terry Croft Diana Lowe Jeff Dhaenens MANAGER Kelly VanMarter

## MEMORANDUM

TO:	Genoa Township Zoning Board of Appeals					
FROM:	Amy Ruthig, Planning Director					
DATE:	April 10, 2024					
RE:	ZBA 24-12					
	STAFF REPORT					
File Number:	24-12					
Site Address:	Vacant, Latson Road					
Parcel Number	4711-04-300-017 and 4711-09-100-004					
Parcel Size:	1.8 acre					
Applicant:	1015 Latson Road LLC.					
Property Owne	r: 1015 Latson Road LLC., 29592 Beck Road, Wixom 48393					
Information Su	bmitted: Application, site plan, construction plans					
Request:	Special Land Use Dimensional Variance					
	<b>tion</b> : Applicant is requesting a variance from a special use 500-foot separation between two drive-through establishments to allow coffee-shop drive-though.					
Zoning and Exist vacant.	ting Use: GCD (General Commercial District) property is currently					
31, 2024 and 30	vas published in the Livingston County Press and Argus on Sunday March 00-foot mailings were sent to any real property within 300 feet of the n accordance with the Michigan Zoning Enabling Act.					
<b>Background</b>						
<ul> <li>Per assi</li> <li>In 2024 tenant</li> </ul>	a brief summary of the background information on file: essing records the parcel is vacant. , a special use and site plan approval was granted for a proposed multi- commercial building with a proposed drive-through coffee shop. (see 's review letter and traffic impact assessment) operty utilizes the public water and public sewer system.					

The property utilizes the public
See Real Property record Card.

#### <u>Summary</u>

The applicant is requesting a variance to allow a proposed drive-through coffee shop within 500-feet of another drive-through restaurant. The applicant received site plan approval from the Planning Commission on March 11<sup>th</sup>, 2024 and the Township Board on April 1, 2024. (See attached minutes) The site plan was approved for a multi-tenant commercial building with a proposed drive-through coffee shop on a previously developed parcel.

In order to construct the proposed building, the applicant is required to split parcel# 4711-04-300-017 to create a new parcel to combine with parcel # 4711-09-100-004. Once the new parcels are created, the parcel to the north will be occupied by an automatic car wash that was approved by the Planning Commission and Township Board.

The Zoning Ordinance requires the Planning Commission give a recommendation to the Zoning Board of Appeals for special use requirement variance. An official recommendation was not made to the Zoning Board of Appeals; however, the Planning Commission did recommend approval of the special use permit with the condition of the applicant obtaining a variance.

#### Variance Requests

The regulations in the zoning ordinance pertaining to this variance are as follows:

**7.02.02** Use Conditions: Uses noted above shall only be allowed where the following requirements are complied with:

# (j) Restaurants or coffee shops with drive-in or drive-through facilities shall comply with the following requirements:

(1) Principal and accessory buildings shall be setback fifty (50) feet from any adjacent public right of way line or property line.

(2) The establishment of a new drive-through restaurant shall require the lot be separated a minimum of five hundred (500) feet from any other lot containing a drive-through restaurant.

(3) Only one (1) access shall be provided onto any street.

(4) Such restaurants constructed adjacent to other commercial developments shall have a direct vehicular access connection where possible.

DRIVE-THROUGH SETBACK	Side Yard Setback
REQUIRED SETBACK	500′
REQUESTED SETBACK	120' (Panda Express)*
REQUESTED VARIANCE AMOUNT	380′

\*Please note staff determined setbacks utilizing an aerial. Applicant should verify setback.

## <u>Summary of Findings of Fact-</u>After reviewing the application and materials provided, I offer the possible findings of fact for your consideration:

Please note that in order for a variance to be approved it has to meet all of the standards in 23.05.03.

(a) Practical Difficulty/Substantial Justice – Strict compliance with the required special use setback requirement would not prevent use of the site for a permitted purpose. There are multiple in the GCD zoning district that are permitted by right. The applicant's proposed use is necessitating the need for the

variance. A coffee shop without a drive-through is allowed on the property without a special use permit. The applicant must demonstrate that alternative land uses are not reasonable or feasible for the Board to consider strict compliance to unreasonably prevent use of the property. There are multiple restaurant drive-throughs in the immediate area that are located within PUDs (Restaurant drive-throughs are not allowed in the GCD zoning district). Granting of the requested variance could do substantial justice to the applicant since there multiple restaurant drive-throughs in the vicinity however they are all located in different zoning and on an interior roadway with no direct access to Grand River Avenue or Latson Road.

- (b) Extraordinary Circumstances Once the new parcel is created, that lot will be conforming in the GCD zoning district. The parcel would not qualify to rezone to PUD to allow the flexibility which has been used by other properties in the vicinity. The need for the variance is driven by the proposed use. A coffee shop without a drive-through is allowed without requiring a special use permit in the GCD zoning district. Restaurant drive-throughs are not allowed in the GCD zoning district.
- (c) Public Safety and Welfare The granting of the variance will not impair an adequate supply of light and air to adjacent property. Approving the variance will increase the congestion in public streets since modifications are required per the Township's engineer's letter (see attached). It will not increase the danger of fire or endanger the public safety. It will not impact the comfort, morals or welfare of the inhabitants of the Township of Genoa.
- (d) Impact on Surrounding Neighborhood The proposed variance would have little or no impact on the appropriate development, continued use, or value of adjacent properties and the surrounding neighborhood.

Genoa Charter Township Board Meeting April 1, 2024 Unapproved Minutes

**Moved** by Lowe, supported by Hunt, to approve the Environmental Impact Assessment dated January 16, 2024 to allow for a proposed automatic car wash on the northern portion of vacant parcel #4711-04-300-017. The site is located on the east side of Latson Road, south side of Grand River Avenue with the following condition:

• Official approval from MDOT for the stormwater discharge shall be submitted prior to land use permit issuance.

# The motion carried unanimously.

**Moved** by Hunt, supported by Lowe, to approve of the Site Plan dated March 14, 2024 to allow for a proposed automatic car wash on the northern portion of vacant parcel #4711-04-300-017. The site is located on the east side of Latson Road, south side of Grand River Avenue, with the following conditions:

- The required concrete pad at the Dumpster enclosure shall be installed.
- The property split shall be approved prior to land use permit issuance.
- The limited access driveway should remain at 15-foot width or preferably be eliminated. The applicant shall work with the Livingston County Road Commission, Brighton Area Fire Dept., and Township staff on the final design.
- The applicant shall use all available efforts to establish the connection to the north.
- An executed cross access easement with the property to the south shall be submitted and recorded prior to land use permit issuance.
- All site plan review overage fees must be paid prior to issuance of a land use permit. **The motion carried unanimously**.
- 5. Consideration of a recommendation for approval of a special land use application, environmental impact assessment, and site plan to allow for a proposed multi-tenant commercial center including a drive-through coffee shop and outdoor seating restaurant. The site consists of vacant parcels #4711-04-300-017 and 4711-09-100-004 and is located on the east side of Latson Road, south of Grand River Avenue. The request is petitioned by Kevin Bahnam, 1015 Latson Road LLC.
  - A. Disposition of Special Use Application.
  - B. Disposition of Environmental Impact Assessment (1-16-24)
  - C. Disposition of Site Plan (3-14-24)

Mr. Brent LaVanway of Boss Engineering, Mr. Jeff Klatt, the architect, and Mr. Travis Sokana with Symmetry Management were present.

Mr. LaVanway provided a review of the project, which will have multiple tenants, one of which is a drive thru. They will need a variance from the ZBA for the drive thru as it is within 500 feet of another drive thru restaurant. They will be on their April agenda.

Genoa Charter Township Board Meeting April 1, 2024 Unapproved Minutes

Ms. Hunt reiterated her concerns for the underground storage tanks for stormwater, but the engineer and Planning Commission approved them. She likes the building design. She confirmed that the existing entrance drive on Latson will be removed and Mr. LaVanway stated, "yes".

Supervisor Rogers likes the building design as well. He asked if the applicant knew what the other tenants would be and if they would be combined. Mr. Lavanway stated that the amount of parking available will determine what uses can be here.

**Moved** by Skolarus, supported by Lowe, to approve the Special Use Permit to allow for a proposed multi-tenant commercial center including a drive-through coffee shop and outdoor seating restaurant located on vacant parcels #4711-04-300-017 and 4711-09- 100-004. The site is located on the east side of Latson Road, south side of Grand River Avenue with the following condition:

• A variance from the Zoning Board of Appeals shall be obtained for the 500-foot requirement from an existing drive-though.

# The motion carried unanimously.

**Moved** by Lowe, supported by Hunt, to approve the Environmental Impact Assessment dated January 16, 2024 to allow for a proposed multi-tenant commercial center including a drive-through coffee shop and outdoor seating restaurant located on vacant parcels #4711-04-300-017 and 4711-09-100-004. The site is located on the east side of Latson Road, south side of Grand River with the following condition:

• Official approval from MDOT for the stormwater discharge shall be submitted prior to land use permit issuance.

# The motion carried unanimously.

**Moved** by Ledford, supported by Lowe, to approve of the Site Plan dated March 14, 2024 to allow for a proposed multi-tenant commercial center including a drive through coffee shop and outdoor seating restaurant located at vacant parcels #4711-04- 300-017 and 4711-09-100-004. The site is located on the east side of Latson Road, south side of Grand River Avenue, with the following conditions:

- The required concrete pad for the Dumpster enclosure shall be installed.
- The reconfiguring of the parcels shall be approved prior to land use permit issuance.
- An executed cross access easement with the property to the north shall be submitted and recorded prior to land use permit issuance.
- All site plan review overage fees must be paid prior to issuance of a land use permit.

The motion carried unanimously.

6. Consideration of a recommendation for approval of a special land use application, environmental impact assessment, and site plan to allow for outdoor RV/camper storage. The site is located at 2630 Grand River Avenue on the south side of Grand

LCRC's request for the signal changes. Mr. Tougisnant stated they will be working with MDOT to modify the signalization as requested.

Commissioner Dhaenens is satisfied with the landscaping provided and would not require the petitioner to add additional trees.

The call to the public was made at 7:36 pm with no response.

**Moved** by Commissioner Rassel, supported by Commissioner Chouinard, to recommend to the Township Board approval of the Special Use Application to allow for a proposed automatic car wash located on vacant parcels #4711-04-300-017 and 4711-09-100-017 Latson Road, east side of Latson Road, south side of Grand River Avenue as this Commissioner finds that the special land use standards of Section 19.03 are generally met and the conditions of Section 7.02.02(I) have been met. **The motion carried unanimously**.

**Moved** by Commissioner Rassel, supported by Commissioner Chouinard, to recommend to the Township Board approval of the Environmental Impact Assessment dated January 16, 2024 to allow for a proposed automatic car wash located on vacant parcels #4711-04-300-017 and 4711-09-100-017 Latson Road, east side of Latson Road, south side of Grand River Avenue. **The motion carried unanimously**.

**Moved** by Commissioner Rassel, supported by Commissioner Rauch, to recommend to the Township Board approval of the Site Plan dated January 16, 2024 to allow for a proposed automatic car wash located on vacant parcels #4711-04-300-017 and 4711-09-100-017 Latson Road, east side of Latson Road, south side of Grand River Avenue, with the following conditions:

- The color of the fencing shall be changed from blue to a dark bronze or black color.
- The required concrete pad at the Dumpster enclosure shall be installed.
- The Planning Commission approves the landscape deficiency.
- The property split of this parcel shall be approved.

The motion carried unanimously.

**OPEN PUBLIC HEARING #3...**Consideration of a special land use application, environmental impact assessment and site plan to allow for a proposed multi-tenant commercial center including a drive through coffee shop and outdoor seating restaurant located on vacant parcels#:4711-04-300-017 and 4711-09-100-<u>017-004</u> Latson Road, east side of Latson Road, south side of Grand River Avenue. The request is petitioned by Kevin Bahnam, 1015 Latson Road LLC.

- A. Recommendation of Special Use Application.
- B. Recommendation of Environmental Impact Assessment (1-16-24)
- C. Recommendation of Site Plan (1-16-24)

Mr. Scott Tousignant of Boss Engineering and Jeff Klatt, the architect, were present. Mr. Tousignant stated that MDOT's approval for the stormwater discharge applies to this site as well. He provided the changes made to the previous plans after discussions with the Planning Commission. They have relocated the access drive further to the north per the LCRC's request, moved the building closer to the access drive, relocated a bank of parking spaces, eliminated the site access from the right side of the property, and added the sidewalk.

Mr. Borden reviewed his letter dated February 6, 2024.

- 1. Special Land Uses (Section 19.03):
  - a. The special land use standards of Section 19.03 are generally met.
  - b. In order to make favorable findings related to compatibility and impacts, the conditions of Sections 7.02.02(i) and (j) and the buffer zone requirements of Section 12.02.03 must be met to the Commission's satisfaction.
  - c. If a favorable recommendation is made, the Commission may wish to include a condition that a sound study be provided for the drive-through speaker system when the tenant is known.
  - d. The applicant must address any comments provided by the Township Engineer or Brighton Area Fire Authority regarding public facilities and services.
- 2. Drive-Through Use Conditions (Section 7.02.02(j)):
  - a. The 500-foot spacing between drive-throughs is not met (approximately 120 feet). The applicant notes that they will seek a variance from ZBA.
- 3. Site Plan Review:
  - a. Building materials and color scheme are subject to review and approval by the Planning Commission.
  - b. The landscape plan is deficient in width and a full screen wall for the easterly buffer zone; there is only a partial screen wall.

Mr. Barber reviewed Ms. Byrne's letter dated February 6, 2024 states:

- 1. The petitioner should obtain approval from the Livingston County Road Commission (LCRC) for the proposed site driveway prior to final site plan approval.
- 2. The petitioner is proposing a closed pipe type underground detention basin comprised of five 42-inch diameter pipes to provide 16,890 cubic feet of storage. The proposed building, site drive, and parking improvements do not allow enough space for any at-grade stormwater detention or retention.
- 3. Soil borings and infiltration testing should be provided within the proposed detention basin footprint and should show the documented high groundwater elevation. Soil borings shall be provided to a depth of at least 20 feet. The petitioner has noted that no geotechnical work has been completed for the site yet, but the geotechnical from the northern parcel was used for the current design. The infiltration rate and soil borings being used for the current design should be confirmed prior to construction of the storm system. Mr. Tousignant stated they will obtain those.

- 4. The proposed underground detention basin will tie into the existing storm sewer on Latson Road. The LCRC has indicated that the existing storm sewer is under MDOT jurisdiction and approval from MDOT will be required to connect to it. If approval from MDOT cannot be obtained the proposed site layout and storm management plan would change significantly, therefore we recommend that approval from MDOT be obtained prior to bringing the site plan before the Township Planning Commission.
- 5. The LCRC completed a review of the traffic impact study and plans, and the study was revised per their recommendation. The study recommended signal modifications at the Grand River Avenue and Latson Road intersection, which would need to be reviewed and discussed with MDOT. The study also recommended restricting the northernmost site driveway to right-in-right-out and aligning the southernmost site driveway to align directly with the existing Lowes driveway. Both site driveway recommendations have been addressed on the revised plans.

The Brighton Area Fire Authority Fire Marshal's letter dated February 2, 2024 states "The East drive clear width has been reduced to 23.5-feet and shall be increased to 26-feet as required. West drive fire lane signs are facing the incorrect direction." Mr. Tousignant stated they will amend the plans to meet the

Commissioner Rauch thanked the applicant for making the revisions. He is very happy with the building colors and materials. He noted that the color of the fencing should be changed as requested in the previous project.

Commissioner McCreary questioned the traffic impact study. Mr. Tousignant stated the changes to the signalization at Grand River and Latson Road will be made to improve the peak hour grades. This will be done at the time the project is developed.

Commissioner Dhaenens questioned Mr. Borden's suggestion regarding the noise ordinance and the drive thru speaker. Mr. Borden stated that since we do not know what is being built there, the Commission may wish to include a condition that a sound study be provided for the drive-through speaker system when the tenant is known.

The call to the public was made at 8:00 pm with no response.

**Moved** by Commissioner Chouinard, supported by Commissioner Rassel, to recommend to the Township Board approval of the Special Use Application to allow for a proposed multi-tenant commercial center including a drive through coffee shop and outdoor seating restaurant located on vacant parcels#:4711-04-300-017 and 4711-09-100-017-004 Latson Road, east side of Latson Road, south side of Grand River Avenue. **The motion carried unanimously.** 

**Moved** by Commissioner Chouinard, supported by Commissioner Rassel, to recommend to the Township Board approval of the Environmental Impact Assessment dated January 16, 2024 to allow for a proposed multi-tenant commercial center including a drive through coffee shop and

outdoor seating restaurant located on vacant parcels#:4711-04-300-017 and 4711-09-100-017 004 Latson Road, east side of Latson Road, south side of Grand River Avenue. **The motion** carried unanimously.

**Moved** by Commissioner Chouinard, supported by Commissioner Rauch to recommend to the Township Board approval of the Site Plan dated January 16, 2024 to allow for a proposed multi-tenant commercial center including a drive through coffee shop and outdoor seating restaurant located on vacant parcels#:4711-04-300-017 and 4711-09-100-017-004 Latson Road, east side of Latson Road, south side of Grand River Avenue, with the following conditions:

- The color of the fencing shall be changed from blue to a dark bronze or black color.
- The ZBA's approval of the future drive thru uses.
- The required concrete pad at the Dumpster enclosure shall be installed.
- The property split of this parcel shall be approved.
- All conditions by other agencies shall be met.

The motion carried unanimously.

# NEW BUSINESS:

**OPEN PUBLIC HEARING #4..** Consideration of a special land use application, environmental impact assessment and site plan to allow for temporary boat sales and service at an existing commercial site located at 5776 Grand River Avenue, south side of Grand River Avenue, west of Dorr Road. The request is petitioned by Wonderland Marine West.

A. Recommendation of Special Use Application

- B. Recommendation of Environmental Impact Assessment (11-29-231-16-24)
- C. Recommendation of Site Plan (2-16-242-19-24)

Mr. Gary Mitter, Sr. stated they are in the process of renovating their existing building, and during construction, they need a temporary building. They purchased the building next to their business. They will be remodeling it and it will match the same style as their renovated existing building.

Mr. Borden reviewed his letter dated March 5, 2024.

- 1. Special Land Uses (Section 19.03):
  - a. The special land use standards of Section 19.03 are generally met.
  - b. In order to make favorable findings related to compatibility and impacts, the use requirements of Section 7.02.02(c) must be met to the Commission's satisfaction.
  - c. The applicant must address any comments provided by the Township Engineer or Brighton Area Fire Authority regarding public facilities and services.
- 2. Use Requirements (Section 7.02.02(c)):
  - a. The majority of the use conditions are met; however, the buffer zone/screen fence requirement for outdoor storage is not fully met at the rear of the site. They are proposing

• The LCRC's requirements for the stormwater and their response to the traffic impact study and what improvements they agree to make.

Commissioner McBain suggested reducing the number of vacuum bays, she reiterated her concerns regarding the traffic flow on the site and agrees with additional landscaping being needed on Latson Road.

**Moved** by Commissioner Rauch, supported by Commissioner Chouinard, to table Open Public Hearing Item #1 petitioned by CWP West, LLC. **The motion carried unanimously**.

**OPEN PUBLIC HEARING #2...** Consideration of a special land use application, environmental impact assessment and site plan to allow for a proposed multi-tenant commercial center including a drive through coffee shop and outdoor seating restaurant located on vacant parcels#:4711-04-300-017 and 4711-09-100-<u>017\_004</u> Latson Road, east side of Latson Road, south side of Grand River Avenue. The request is petitioned by Kevin Bahnam, 1015 Latson Road LLC.

- A. Recommendation of Special Use Application.
- B. Recommendation of Environmental Impact Assessment (10-26-23)
- C. Recommendation of Site Plan (10-25-23)

Mr. Brent LaVanway of Boss Engineering, Mr. Jeff Klatt, the architect, and Mr. Frank Jarbou of CWP West, LLC were present.

Mr. LaVanway provided a review of the project. This is a multi-use tenant building on the site adjacent to the previous agenda item and one of the tenants will include a drive thru. There is a partial existing wall on the east side and they are again proposing to add additional evergreens where there is no wall. They will be requesting two variances from the ZBA, one is for the location of the parking and the proximity of a drive thru to an existing drive thru.

Mr. Klatt showed colored building renderings and material samples. The building is modern with clear lines and the colors are consistent with other buildings in the area.

Mr. Borden reviewed his letter dated November 8, 2023.

1. Special Land Uses (Section 19.03):

- a. The special land use standards of Section 19.03 are generally met.
- b. In order to make favorable findings related to compatibility and impacts, the conditions of Sections 7.02.02(i) and (j) and the buffer zone requirements of Section 12.02.03 must be met to the Commission's satisfaction.
- c. If a favorable recommendation is made, the Commission may wish to include a condition that a sound study be provided for the drive-through speaker system when the tenant is known.

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- 2. Drive-Through Use Conditions (Section 7.02.02(j)):
  - a. The 500-foot spacing between drive-throughs is not met. The applicant states that they will seek a variance from ZBA.
- 3. Site Plan Review:
  - a. The applicant will seek a variance from ZBA for the deficient front yard parking setback.
  - b. He suggested the applicant add some vertical elements to help break up the overall building length of the rear façade.
  - c. Building materials and color scheme are subject to review and approval by the Planning Commission.
  - d. The proposed driveway does not meet the spacing requirements of Section 15.06.02 of the township ordinance.
  - e. The lighting plan must be revised to match the currently proposed site plan. It was not updated when the outdoor seating was removed.
  - f. The landscape plan is deficient in width for the Latson Road greenbelt and width and screen wall for the easterly buffer zone.
  - g. There are minor discrepancies between the landscape plan and table that need to be corrected.

Additionally, the applicant must address any comments provided by the Township Engineer or Brighton Area Fire Authority regarding public facilities and services.

Ms. Byrne reviewed her letter dated November 8, 2023, noting they are the same as the previous site and that LCRC approval will be needed for the drive and the stormwater.

- 1. The petitioner should obtain approval from the Livingston County Road Commission (LCRC) for the proposed site driveway prior to final site plan approval.
- 2. The Petitioner is proposing a closed pipe type underground detention basin comprised of five 42-inch diameter pipes to provide 16,890 cubic feet of storage. The proposed building, site drive, and parking improvements do not allow enough space for any at-grade storm water detention or retention.
- 3. Soil borings and infiltration testing should be provided within the proposed detention basin footprint and should show the documented high ground water elevation. Soil borings shall be provided to a depth of at least 20 feet. The Petitioner has noted that no geotechnical work has been completed for the site yet, but the geotechnical from the northern parcel was used for the current design. The infiltration rate and soil borings being used for the current design should be confirmed prior to construction of the storm system.
- 4. The proposed underground detention basin will tie into the existing storm sewer on Latson Road. The Petitioner will need to obtain approval from the LCRC to connect to their storm sewer and said approval should be provided to the Township prior to final site plan approval. In the past the LCRC has not allowed any increase in storm volume into their storm sewer. The underground detention design has been revised since the last submittal to allow for additional infiltration to limit the storm volume that would outlet into the LCRC sewer.

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5. The Petitioner has provided a traffic impact study for the proposed development. The study included expected traffic volumes from other proposed developments in the area in the no-build condition and recommended signal timing and length be modified at the Grand River Avenue and Latson Road for both the no-build and build condition. The Livingston County Road Commission will review the traffic impact study as part of their approval for the proposed site driveways and they will need to review the recommendation of optimized signal timings at the Grand River Avenue and Latson Road intersection.

Mr. LaVanway stated they have addressed all of the concerns of the Brighton Area Fire Authority Fire Marshal's letter dated November 3, 2023.

The call to the public was made at 8:08 pm with no response.

Commissioner Rauch complimented the architect on the building design, materials, and colors. He stated that the petitioner is proposing a building that is too large for this site. The size is what necessitates the need for the 10 parking spaces in the front of the site and the need for two variances.

Mr. Jarbou stated they are proposing to develop a great project with a great design and materials, but there is a financial aspect. The property is very narrow and they have met most of the requirements. Commissioner McCreary noted that a financial hardship is not a reason to be granted a variance.

Commissioner Rauch noted that this site is proposing asphalt and Mister Car Wash is proposing concrete. He would like them to be the same. He is also concerned with the location of the driveways, and suggested the applicant complete the sidewalk to meet the one in front of the apartment complex.

Mr. Borden noted that the large number of parking spaces is due to the proposed uses of two restaurants. If this is changed, then the parking would be reduced and there would not be a need to have it in the front.

Mr. Lavanway stated he would like to redesign this project so that the curb cuts and traffic flows of the two sites work together.

The suggested changes to be made were noted as:

- Meeting the requirements for no parking in the front by reducing the size of the building or changing the uses.
- Changing the driveway accesses.
- Connecting the sidewalk to meet the existing sidewalk in front of the apartment complex.
- Update the rear building elevations as suggested by Mr. Borden.
- Provide details regarding site signage, the monument sign, and landscaping along Latson Road.

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**Moved** by Commissioner Rauch, supported by Commissioner Lowe, to table Open Public Hearing Item #2 petitioned Kevin Bahnam of 1015 Latson Road, LLC. **The motion carried unanimously**.

The Planning Commission took a five minute break at 8:25 pm.

**OPEN PUBLIC HEARING #3...** Consideration of a sketch plan application, environmental impact assessment and sketch plan for proposed bike trails located at the Fillmore Park. The park is located at 7075 McClements, northwest corner of McClements and Kellogg Roads. The request is petitioned by the Livingston County Planning Department. A. Recommendation of Environmental Impact Assessment (10-25-23)

B. Disposition of Site Plan. (10-25-23)

Ms. Martha Haglund, Principal Planner with the Livingston County Planning Department, stated they would like to use the western portion of the site to install mountain bike trails. They will be crossing Kellogg Road and have received approval from the Livingston County Road Commission for crossing signage. The work is being done by volunteers so she anticipates it taking 3-4 years to complete.

She has responded to Mr. Borden and Ms. Byrne's review letters.

Mr. Borden reviewed his letter dated November 8, 2023.

- 1. The submittal does not identify the proposed setbacks; however, the front yard setback requirement is not met at the trail crossing across Kellogg Road. He noted that since this is a trail, it could be considered similar to a sidewalk. Commissioner Rauch agrees; however, having it 50 feet off the road would allow it to be safer.
- 2. If granted, sketch plan approval is valid for only one year, though the project timeline extends out to 2026. The applicant will need to apply for and obtain extensions to cover the full project, which will be evaluated based on Ordinance standards and may or may not be granted.
- 4. Ms. Haglund did respond to his comment regarding the internal signs setbacks. They will be less than two square feet so they are exempt from sign regulations.

Additionally, the applicant must address any comments provided by the Township Engineer or Brighton Area Fire Authority regarding public facilities and services.

Ms. Byrne reviewed her letter dated November 8, 2023.

- 1. The petitioner has already obtained a permit from the Livingston County Road Commission regarding the signage required for the proposed trail crossing and this has been provided to the Township.
- 2. The petitioner has noted that an EGLE wetland permit will be required for some portions of the proposed trail improvements. This permit should be provided to the Township for their records once it is obtained.



Planning Commission Genoa Township 2911 Dorr Road Brighton, Michigan 48116

Attention:	Amy Ruthig, Planning Director
Subject:	S. Latson Commercial Development – Special Land Use and Site Plan Review #3
Location:	1015 Latson Road – east side of Latson Road, south side of Grand River Avenue
Zoning:	GCD General Commercial District

### Dear Commissioners:

At the Township's request, we have reviewed the revised submittal for development of a multi-tenant commercial center, including a coffee shop with a drive-through (plans dated 1/16/24).

### A. Summary

### 1. Special Land Uses (Section 19.03):

- a. The special land use standards of Section 19.03 are generally met.
- b. In order to make favorable findings related to compatibility and impacts, the conditions of Sections 7.02.02(i) and (j) and the buffer zone requirements of Section 12.02.03 must be met to the Commission's satisfaction.
- c. If a favorable recommendation is made, the Commission may wish to include a condition that a sound study be provided for the drive-through speaker system when the tenant is known.
- d. The applicant must address any comments provided by the Township Engineer or Brighton Area Fire Authority regarding public facilities and services.

### 2. Drive-Through Use Conditions (Section 7.02.02(j)):

a. The 500-foot spacing between drive-throughs is not met (approximately 120 feet). The applicant notes that they will seek a variance from ZBA.

## 3. Site Plan Review:

- a. Building materials and color scheme are subject to review and approval by the Planning Commission.
- b. The landscape plan is deficient in width and a full screen wall for the easterly buffer zone.

# B. Proposal/Process

The applicant proposes development of an 8,925 square foot multi-tenant commercial building with space for up to 6 tenants. The plan includes a restaurant with a drive-through on the vacant 1.8 acre site.

Table 7.02 allows retail uses with up to 30,000 square feet of area as principal permitted uses; however, restaurants with drive-throughs require special land use approval in the GCD. As such, the request is also subject to the use conditions of Section 7.02.02(j).

Procedurally, the Planning Commission is to review the special land use, site plan, and Environmental Impact Assessment, and put forth recommendations to the Township Board following a public hearing.

Genoa Township Planning Commission **S. Latson Commercial Development** Special Land Use and Site Plan Review #3 Page 2



Aerial view of site and surroundings (looking east)

# C. Special Land Use Review

Section 19.03 of the Zoning Ordinance identifies the review criteria for Special Land Use applications as follows:

1. Master Plan. The Township Master Plan identifies the subject site as Mixed Use – West Grand River. This classification is states that "regional commercial uses, such as auto-oriented uses (including fast-food) are only intended at interchange uses and where otherwise currently existing along Grand River Avenue."

The subject site is located near a major roadway intersection and within close proximity to an interchange. Furthermore, there are other auto-oriented uses (gas stations and another drive-through) in the immediate area.

As such, the Commission may find that the proposal is consistent with the Master Plan and Future Land Use Map.

**2.** Compatibility. Surrounding properties are primarily commercial/service in nature, though the site also abuts residential zoning and land use along its east side lot line.

The primary concerns under this criterion are related to potential impacts (noise, light, overall intensity of uses) upon the adjacent residential property.

The use conditions of Section 7.02.02(j) and buffer zone requirements of Section 12.02.03 are intended to help mitigate potential off-site impacts.

In order to make a favorable finding under this criterion, the above standards must be met to the Commission's satisfaction.

The previous submittal also notes that the drive-through will be available from 6AM to 9PM and that a sound study can be provided once a tenant is known. The Commission may wish to include this as a condition if a favorable recommendation is made.

**3. Public Facilities and Services.** Given that the site fronts Latson Road near Grand River Avenue and was previously developed, we anticipate that necessary public facilities and services are in place.

However, the applicant must address any comments provided by the Township Engineer and/or Brighton Area Fire Authority related to this criterion.

4. Impacts. Similar to previous comments, use conditions and buffering requirements must be met to help ensure that the adjacent residential use is not adversely impacted by the proposed development.

**5.** Mitigation. If further concerns arise as part of the review process, the Township may require additional efforts to mitigate potential adverse impacts.

### D. Use Conditions (Drive-Through Restaurant)

Drive-through restaurants are subject to the use requirements of Section 7.02.02(j), as follows:

1. Principal and accessory buildings shall be setback fifty (50) feet from any adjacent public right of way line or property line.

The proposed building provides setbacks of at least 50 feet from each lot line.

# 2. The establishment of a new drive-through restaurant shall require the lot be separated a minimum of five hundred (500) feet from any other lot containing a drive-through restaurant.

Based on staff research, the subject site is approximately 120 feet from the property across Latson Road, which contains a drive-through restaurant. As such, this condition is not met. The revised submittal notes that the applicant will seek a variance from ZBA.

### 3. Only one (1) access shall be provided onto any street.

The site plan depicts a single driveway on-site to/from Latson Road.

# 4. Such restaurants constructed adjacent to other commercial developments shall have a direct vehicular access connection where possible.

The site plan provides for cross-access with the adjacent commercial development to the north.

### E. Site Plan Review

**1. Dimensional Requirements.** As noted in the table below, the revised site plan complies with the dimensional requirements of the GCD:

	Min. L	ot Req.	Mi	Minimum Yard Setbacks (feet)		Max. Lot	Max.	
	Area	Width	Front	Side	Rear	Parking Lot	Coverage (%)	Height
	(acres)	(feet)	Yard	Yard	Yard			
GCD	1	150	70	15	50	20 front	35% building	35'
	1	150	70	15	50	10 side/rear	75% impervious	2 stories
Proposed				104 (N)		18 front	11.3% building	20'
	1.8	420	70	104(N) 146(S)	50	20 side	74.2% impervious	1 story
				140(3)		10 rear	77.270 miper vious	1 Story

**2.** Building Design and Materials. The primary building materials are brick and stone, with relatively small amounts of wood paneling and metal as accent materials.

The revised submittal includes material calculations demonstrating compliance with the material standards of Section 12.01.

Building materials and colors are subject to review and approval by the Planning Commission.

3. Pedestrian Circulation. The site plan proposes an 8-foot wide concrete sidewalk along S. Latson.

The plan also provides internal pedestrian circulation between the parking areas and building entrances, as well as a crosswalk connection to the public sidewalk along Latson Road.

**4.** Vehicular Circulation. The site plan proposes 1 curb cut for a full turning movement driveway along S. Latson. Cross-access is also provided with the proposed development to the north.

Drive aisles are of sufficient width for two-way traffic around the site.

The proposed driveway is nearly 400 feet from the existing driveway to the south (on the same side of Latson Road) and is aligned with the existing driveway across Latson Road.

The proposed un/loading area occupies a portion of a drive aisle in the northeast and southeast corners of the site; however, the revised plan includes a note that deliveries will be scheduled for off peak hours to avoid potential conflicts.

The applicant must address any comments provided by the Township Engineer and/or the Brighton Area Fire Authority with respect to vehicular circulation.

**5. Parking.** Based on information contained in the submittal, the project requires 72 parking spaces, while 73 are provided.

The design and dimensions of parking spaces and drive aisles comply with Ordinance standards.

The number of stacking spaces and barrier-free spaces is also compliant.

**6.** Exterior Lighting. The lighting plan identifies 9 light poles and 12 wall mounted fixtures (6 of which are ornamental/architectural).

Based on the detail sheets, aside from the ornamental/architectural fixtures, the proposed fixtures are downward direct LEDs, as required.

Pole heights and photometric readings (both on-site and along property lines) comply with Ordinance standards.

**7. Landscaping.** The landscape plan has been reviewed for compliance with the standards of Section 12.02, as follows:

Standard	Required	Proposed	Comments
Front yard	20' width	20' width	In compliance
greenbelt	10 canopy trees	10 canopy trees	
Buffer Zone C (N)	10' width	23' width	In compliance
	9 canopy trees OR	5 canopy trees	_
	9 evergreen trees OR	16 shrubs	
	36 shrubs		
Buffer Zone B (S)	20' width	20' width	In compliance
	6' wall OR 3' berm	3' berm	
	7 canopy trees	7 canopy trees	
	7 evergreen trees	7 evergreen trees	
	26 shrubs	27 shrubs	
Buffer Zone B (E)	20' width	10' width	Deficient width and full
	6' wall OR 3' berm	Partial wall	length wall
	14 canopy trees	14 canopy trees	
	14 evergreen trees	14 evergreen trees	
	56 shrubs	56 shrubs	
Parking lot	8 canopy trees	8 canopy trees	In compliance
	790 SF landscaped area	1,400 SF landscaped area	

The Commission has the authority to modify landscaping requirements, per Section 12.02.13.

8. Waste Receptacle. The proposed waste receptacle has been reviewed for compliance with the standards of Section 12.04, as follows:

	Requirement	Proposed	Comments
Location	Rear yard or non-required side	Rear yard	Requirements met
	yard AND not less than 20' from	20' from residential	-
	residential		
Access	Clear access w/ out damaging	Turning template demonstrates	Requirements met
	buildings/vehicles	sufficient maneuvering area	-
Base design	9' x 15' concrete pad	Approximately 20' x 25' concrete	Requirement met
_	-	pad	-
Enclosure	3-sided enclosure w/ gate	3 sides w/ gate across 4 <sup>th</sup>	Requirements met
	Masonry walls	Masonry walls	-
	6' height/taller than receptacle	6' height	

Should you have any questions concerning this matter, please do not hesitate to contact our office.

Respectfully,

SAFEBUILT Brian V. Borden, AICP

Michigan Planning Manager



February 6, 2024

Ms. Amy Ruthig Genoa Township 2911 Dorr Road Brighton, MI 48116

# Re: South Latson Commercial Development Site Plan Review No. 3

Dear Ms. Ruthig:

Tetra Tech conducted a third review of the proposed South Latson Commercial Development site plan last dated January 16, 2024. The plan was prepared by Boss Engineering on behalf of 1015 Latson Road, LLC. The development is located on two parcels with a total of 3.38 acres on the east side of Latson Road, approximately 350 feet south of the Latson Road and Grand River Avenue intersection. The Petitioner is proposing to split the site into two parcels that are being reviewed separately, and this review includes a proposed 8,925 square foot general commercial building on the proposed south parcel. The proposed improvements include a new parking lot, storm sewer, and underground detention.

We offer the following comments for your consideration:

# GENERAL

1. The Petitioner should obtain approval from the Livingston County Road Commission (LCRC) for the proposed site driveway prior to final site plan approval.

# DRAINAGE AND GRADING

- 1. The Petitioner is proposing a closed pipe type underground detention basin comprised of five 42-inch diameter pipes to provide 16,890 cubic feet of storage. The proposed building, site drive, and parking improvements do not allow enough space for any at-grade storm water detention or retention.
- 2. Soil borings and infiltration testing should be provided within the proposed detention basin footprint and should show the documented high ground water elevation. Soil borings shall be provided to a depth of at least 20 feet. The Petitioner has noted that no geotechnical work has been completed for the site yet, but the geotechnical from the northern parcel was used for the current design. The infiltration rate and soil borings being used for the current design should be confirmed prior to construction of the storm system.
- 3. The proposed underground detention basin will tie into the existing storm sewer on Latson Road. The LCRC has indicated that the existing storm sewer is under MDOT jurisdiction and approval from MDOT will be required to connect to it. If approval from MDOT cannot be obtained the proposed site layout and storm management plan would change significantly, therefore we recommend that approval from MDOT be obtained prior to bringing the site plan before the Township Planning Commission.

Ms. Amy Ruthig **Re: South Latson Commercial Development** Site Plan Review No. 3 **February 6, 2024** Page 2

### **TRAFFIC AND PAVEMENT**

1. The LCRC completed a review of the traffic impact study and plans, and the study was revised per their recommendation. The study recommended signal modifications at the Grand River Avenue and Latson Road intersection, which would need to be reviewed and discussed with MDOT. The study also recommended restricting the northern most site driveway to right-in-right-out and aligning the southernmost site driveway to align directly with the existing Lowes driveway. Both site driveway recommendations have been addressed on the revised plans.

We recommend the Petitioner address the above comments prior to Township approval. Please call or email if you have any questions.

Sincerely,

Shelby Byene, P.E.

**Project Engineer** 

**BRIGHTON AREA FIRE AUTHORITY** 



615 W. Grand River Ave. Brighton, MI 48116 o: 810-229-6640 f: 810-229-1619

February 2, 2024

Amy Ruthig Genoa Township 2911 Dorr Road Brighton, MI 48116

RE: South Latson Commercial Development 1111 S. Latson Rd. Genoa Twp., MI

Dear Amy,

The Brighton Area Fire Department has reviewed the above-mentioned site plan. The plans were received for review on January 17, 2024, The plans are dated October 4, 2023 with latest revisions dated January 16, 2024. The project is based on proposed redevelopment of an existing vacant parcel for a new 9,675 square foot multi-tenant commercial retail development. The plan review is based on the requirements of the International Fire Code (IFC) 2021 edition. **Previously acknowledged and complied with notes have been removed from this letter.** 

 Two-way emergency vehicle access roads shall be a minimum of 26-feet wide. With a width of 26-feet, one side (building side) of the drive shall be marked as a fire lane. Include additional signage along curb lines at least every 50-feet. Access roads to the site shall be provided and maintained during construction. Access roads shall be constructed to be capable of supporting the imposed load of fire apparatus weighing at least 84,000 pounds, this includes over the underground retention. (The East drive clear width has been reduced to 23.5-feet and shall be increased to 26-feet as required. West drive fire lane signs are facing the incorrect direction.)

IFC D 103.6 IFC D 103.1 IFC D 102.1 IFC D 103.3

Additional comments will be given during the building plan review process (specific to the building plans and occupancy). The applicant is reminded that the fire authority must review the fire protection systems submittals (sprinkler & alarm) prior to permit issuance by the Building Department and that the authority will also review the building plans for life safety requirements in conjunction with the Building Department.

If you have any questions about the comments on this plan review please contact me at 810-229-6640.

Cordially,

Rick Boisvert, CFPS Fire Marshal

# Livingston County Road Commission

3535 Grand Oaks Drive • Howell, Michigan 48843-8575 Telephone: (517) 546-4250 • Facsimile: (517) 546-9628 Internet Address: www.livingstonroads.org

March 13, 2024

Scott Tousignant Boss Engineering 3121 E. Grand River Ave Howell, MI 48843

Re: South Latson Commercial Development, Genoa Township, Section 4 LCRC# C-24-06

Dear Scott:

I have completed the review of the construction plans, dated January 16, 2024, for the abovereferenced project and offer the following comments.

- A contractor needs to be selected and the selected contractor must submit a certificate of insurance to the LCRC with the following language: "The Board of Livingston County Road Commissioners, the Livingston County Road Commission, and their officers, agents, and employees are listed additional insured parties with respects to General Liability." Please note this is note required for plan approval but will be required for issuance of a permit.
- 2. The type of MDOT concrete curb proposed within the Latson Road right-of-way should be labeled on the site plan.
- 3. Proposed sidewalk grades need to be provided in accordance with ADA requirements on the grading plan.
- The proposed pavement cross section within the Latson Road right-of-way will need to match the existing cross section of Latson Road or at a minimum consist of 1.5" 5EML, 2.0" 4EML, 3.5" 3EML, 6" 21AA Aggregate, and 12" CL II sand.
- 5. Approval from the Livingston County Drain Commission and/or Genoa Township for the storm water system will need to be obtained and submitted prior to the issuance of the commercial driveway approach permit. MDOT approval has already been obtained and submitted for the discharge of the stormwater into their system at I-96 and Latson Road.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Kun Hiller

Kim Hiller, P.E. Utilities and Permits Engineer

Cc: File Amy Ruthig, Genoa Township (via email) Ken Recker, LCDC (via email)

# **PROPERTY DESCRIPTION:**

PROPERTY DESCRIPTION PER KEM-TEC PROJECT #21-03542 DATE 11-24-21 PARCEL #4711-09-100-004 LAND SITUATED IN THE TOWNSHIP OF GENOA, COUNTY OF LIVINGSTON IN THE STATE OF MICHIGAN AND IS DESCRIBED AS FOLLOWS:

A PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 9. TOWN 2 NORTH, RANGE 5 EAST, MICHIGAN, DESCRIBED AS: BEGINNING 632 FEET SOUTH OF THE NORTHWEST CORNER OF THE NORTHWEST 1/4, THENCE EAST 223.00 FEET; THENCE NORTH 97.67 FEET; THENCE WEST 223.00 FEET; THENCE SOUTH 97.67 FEET TO THE POINT OF BEGINNING.

### PROPERTY DESCRIPTION PER METRO CONSULTING ASSOCIATES PROJECT #1037-17-8480 DATED 01-19-18 PARCEL #4711-04-300-017

Commencing at the Southwest Corner of Section 4, Town 2 North, Range 5 East, Genoa Township, Livingston County, Michigan, said corner being NO1\*46'11\*W 19.43 feet from a point referenced in Quit Claim Deed dated January 29, 1957, recorded April 4, 1961 in Liber 391, Page 382, Livingston County Records; thence N87º18'40'E 56.81 feet along the North line of said Section 9 and the South line of said Section 4, as established and approved by the Livingston County Remonumentation Peer Group, dated June 6, 2002 and recorded in LSC# 1718m, Livingston County Records to the POINT OF BEGINNING; thence 159.36 feet along the arc of a 10,060.00 foot radius non-tangential circular curve to the left, having a central angle of "00'54'27 having a chord which bears NOO" I 5'46'W 159.36 feet along the East line of MDOT Right-of-Way as recorded in Instrument # 2011R-023812, Livingston County Records; thence N88"33'52"E 150.45 feet along the South line of Parcel 3 as described in a Warranty Deed recorded June 6, 2016, in Instrument # 2016R-019284 and the North line of the Consumers Power Company land per Warranty Deed recorded in 539, Page 13, Livingston County Records; thence 501"15'25'E 125.00 feet along said Consumers Power Company land and parallel with the West line of said Section 4; thence the following four (4) courses along the North, East and South line of a Quit-Claim Deed to Consumers Power Company, recorded in Liber 391, Page 382, Livingston County Records: (1) N88º33'52'E 12.94 feet (recorded as 13,00 feet), (2) 501°14'18"E 30.69 feet to the South line of said Section 4, (3) 501°46'21'E 557.91 feet and (4) 588°08'19"W 223.00 feet along the North line of the South 97.67 feet as stated in Warranty Deed recorded in Liber 232, Page 199, Livingston County Records; thence NO1\*46'11'W G1.11 feet along the West line of said Section 9 and within the Right-of-Way of Lateon Road (variable width); thence S88°52'35"E 33.10 feet along the South line of MDOT Right-of-Way as recorded in Instrument # 2011R-023812; thence the following two (2) courses along said Right-of-Way: (1) NO1\*07'25\*E 333.02 feet and (2) 163.72 feet along the arc of a 10,060.00 foot radius circular curve to the left, with a central angle of 00°55'57", having a chord which bears N00°39'26"E 163.71 feet to the POINT OF BEGINNING. Containing 2.89 acres of land, more or less. Being part of the SW. 1/4 of the SW. 1/4 of Section 4 and part of the NW. 1/4 of Section 9, Town 2 North, Range 5 East, Genoa Township, Livingston County, Michigan, Subject to the right of the Public over the West 33.00 feet thereof, as occupied by Latson Road (Vanable Width), being subject to any other Easement and restrictions of record, if any.

\_\_\_\_\_\_

### **RESULTANT PARCEL** PROPOSED PARCEL 2 (SOUTH):

Part of the Northwest 1/4 of Section 9, T2N-R5E, Genoa Township, Livingston County, Michigan more particularly described as follows: Commencing at the Northwest Corner of Section 9, also being the Southwest 1/4 of Section 4, said corner being North 01 degree 46 minutes 11 seconds West, 19.43 feet from a point referenced in Quit Claim Deed, dated January 29, 1957, recorded April 4, 1961 in Liber 391, Page 382, Livingston County Records; thence along the North line of Section 9 and the South line of Section 4, N 87 18'40" E, 56.81 feet; thence along the East line of MDOT Right-of-Way for Latson Road, as recorded in Instrument #2011R-023812, Livingston County Records, the following two (2) courses: 1) Southerly along an arc left, having a length of 163.71 feet, a radius of 10,091.50 feet, a central angle o 00°55'46", and a long chord which bears S 00°39'23" W, 163.71 feet; thence S 01°07'25" W 68.33 feet, to the POINT OF BEGINNING of the Parcel to be described; thence N 88\*33'38" E 177.83 feet; thence S 01'46'21" E, 297.42 feet; thence S 01'46'11" E, 97.67 feet; thence S 88\*08'19" W, 223.00 feet; thence along the West line of said Section 9 and within the Right-of-Way of Latson Road (Variable Width Right of Way), N 01°46'11" W, 158.78 feet; thence along the South line of MDOT Right-of-Way for Latson Road, as recorded in Instrument #2011R-023812, Livingston County Records, S 88\*52'35" E, 33.10 feet; thence along the East line of MDOT Right—of—Way for Latson Road, as recorded in Instrument #2011R—023812, Livingston County Records, the following two (2) courses: 1) N 01°07'25" E, 239.66 feet, to the POINT OF BEGINNING, containing 1.81 acres, more or less, and subject to the rights of the public over the existing Latson Road. Also subject to any other easements or restrictions of record.

Bearings are based on Michigan State Plane Coordinate System, South Zone and legal description per Chicago Title Insurance Company, File No.: 21040145- C, Policy No. 7430600-224063018, dated 6-4-21:

# SITE PLAN FOR SOUTH LATSON COMMERCIAL DEVELOPMENT PART OF NW QUARTER, SECTION 4 & 9 GENOA CHARTER TOWNSHIP, LIVINGSTON COUNTY, MI

# INDEMNIFICATION STATEMENT

THE CONTRACTOR SHALL HOLD HARMLESS THE DESIGN PROFESSIONAL, MUNICIPALITY, COUNTY, STATE AND ALL OF ITS SUB CONSULTANTS, PUBLIC AND PRIVATE UTILITY COMPANIES, AND LANDOWNERS FOR DAMAGES TO INDIVIDUALS AND PROPERTY, REAL OR OTHERWISE, DUE TO THE OPERATIONS OF THE CONTRACTOR AND/OR THEIR SUBCONTRACTORS.

TRACE TR	

**OVERALL SITE MAP** 

NO SCALE

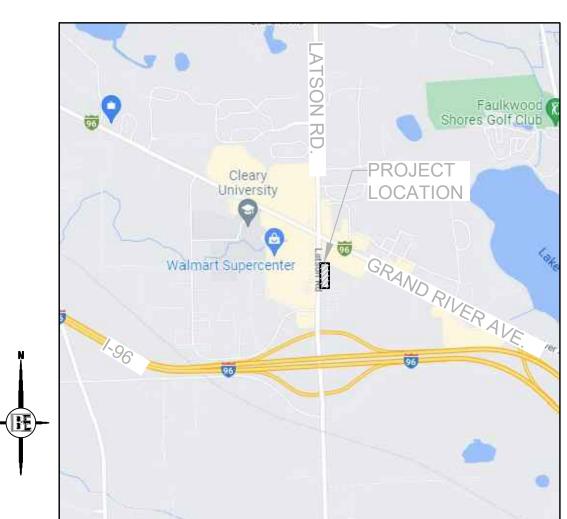
SUBMITTED DATE	<u>e approved</u>
-	_
_	_
_	_
_	_

LIGHTING PREPARED BY: GASSER BUSH ASSOCIATES 30984 INDUSTRIAL RD LIVONIA, MI 48150 QUOTES@GASSERBUSH.COM PHONE: 734-266-6705

OWNER:

1015 LATSON ROAD LLC 29592 BECK RD WIXOM, MI 48393 CONTACT: KEVIN BAHNAM PHONE: 248.767.5337 EMAIL: KBAHNAM@USA2GOQUICKSTORES.COM





LOCATION MAP NO SCALE

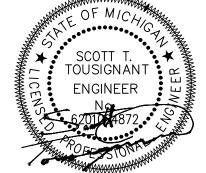
SHEET INDEX				
SHEET NO.	DESCRIPTION			
1 2 3 4 5 6 7 8 9 10 11 12 13–16	COVER SHEET GENERAL NOTES & LEGEND EXISTING CONDITIONS, DEMO & NATURAL FEATURES PLAN OVERALL SITE PLAN SITE PLAN GRADING & DRAINAGE PLAN SOIL EROSION & SEDIMENTATION CONTROL PLAN UTILITY PLAN LANDSCAPE PLAN CONSTRUCTION DETAILS BASIN DETAILS UNDERGROUND DETENTION DETAILS MHOG DETAILS			
	PLANS BY OTHERS			
1 A.100 A.200 A.300	PHOTOMETRIC PLAN FLOOR PLAN BUILDING ELEVATION BUILDING RENDERING			

PREPARED BY:





517.546.4836 FAX 517.548.1670 CONTACT: SCOTT TOUSIGNANT, P.E. EMAIL: SCOTTT@BOSSENG.COM



FOR SITE PLAN APPROVAL ONLY! NOT FOR CONSTRUCTION

4 ST ST PER LCRC AND PC COMMENTS 03-14-24 3 ST ST LAYOUT MODIFICATIONS 01-16-24 2 ST ST PER P.C. MEETING 12-11-23 ST ST PER TOWNSHIP COMMENTS 
 10-25-23
 ISSUE
 DATE:
 10/04/23

 DATE
 JOB
 NO:
 21-519
 NO BY CK REVISION

# GENERAL NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED TOWNSHIP, COUNTY, AND STATE OF MICHIGAN PERMITS.
- 2. A GRADING PERMIT FOR SOIL EROSION-SEDIMENTATION CONTROL SHALL BE OBTAINED FROM THE GOVERNING AGENCY PRIOR TO THE START OF CONSTRUCTION.
- 3. IF DUST PROBLEM OCCURS DURING CONSTRUCTION, CONTROL WILL BE PROVIDED BY AN APPLICATION OF WATER, EITHER BY SPRINKLER OR TANK TRUCK.
- 4. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS AND SPECIFICATIONS.
- 5. PAVED SURFACES. WALKWAYS, SIGNS, LIGHTING AND OTHER STRUCTURES SHALL BE MAINTAINED IN A SAFE, ATTRACTIVE CONDITION AS ORIGINALLY DESIGNED AND CONSTRUCTED.
- 6. ALL BARRIER-FREE FEATURES SHALL BE CONSTRUCTED TO MEET ALL LOCAL, STATE AND A.D.A. REQUIREMENTS. WHERE EXISTING CONDITIONS AND/OR THE REQUIREMENTS OF THE PLANS WILL RESULT IN FINISHED CONDITIONS THAT DO NOT MEET ADA REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER PRIOR TO WORK COMMENCING.
- 7. ANY DISCREPANCY IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS AND DIMENSIONS SHOWN HEREON PRIOR TO BEGINNING CONSTRUCTION.
- 8. THE CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND RIGHT-OF-WAY, PUBLIC OR PRIVATE, PRIOR TO THE START OF CONSTRUCTION.
- 9. THE CONTRACTOR SHALL COORDINATE WITH ALL OWNERS TO DETERMINE THE LOCATION OF EXISTING LANDSCAPING, IRRIGATION LINES & PRIVATE UTILITY LINES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING LANDSCAPING, IRRIGATION LINES, AND PRIVATE UTILITY LINES.
- 10. THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT.
- 11. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
- 12. THE CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES.
- 13. THE CONTRACTOR SHALL CALL MISS DIG A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION. 14. ALL PAVEMENT REPLACEMENT AND OTHER WORKS COVERED BY THESE PLANS SHALL BE DONE IN
- ACCORDANCE WITH THE REQUIREMENTS OF THE TOWNSHIP, INCLUDING THE LATEST MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING UTILITIES.
- 16. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR ANY DELAY OR INCONVENIENCE DUE TO THE MATERIAL SHORTAGES OR RESPONSIBLE DELAYS DUE TO THE OPERATIONS OF SUCH OTHER PARTIES DOING WORK INDICATED OR SHOWN ON THE PLANS OR IN THE SPECIFICATION OR FOR ANY REASONABLE DELAYS IN CONSTRUCTION DUE TO THE ENCOUNTERING OR EXISTING UTILITIES THAT MAY OR MAY NOT BE SHOWN ON THE PLANS.
- 17. DURING THE CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL NOT PERFORM WORK BY PRIVATE AGREEMENT WITH PROPERTY OWNERS ADJACENT TO THE PROJECT.
- 18. IF WORK EXTENDS BEYOND NOVEMBER 15, NO COMPENSATION WILL BE DUE TO THE CONTRACTOR FOR ANY WINTER PROTECTION MEASURES THAT MAY BE REQUIRED BY THE ENGINEER.
- 19. NO TREES ARE TO BE REMOVED UNTIL MARKED IN THE FIELD BY THE ENGINEER.
- 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE PROPERTY BEYOND THE CONSTRUCTION LIMITS INCLUDING BUT NOT LIMITED TO EXISTING FENCE, LAWN, TREES AND SHRUBBERY.
- 21. TRAFFIC SHALL BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL SIGNS AND TRAFFIC CONTROL DEVICES. FLAG PERSONS SHALL BE PROVIDED BY THE CONTRACTOR IF DETERMINED NECESSARY BY THE ENGINEER. ALL SIGNS SHALL CONFORM TO THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AT NO COST TO THE TOWNSHIP. NO WORK SHALL BE DONE UNLESS THE APPROPRIATE TRAFFIC CONTROL DEVICES ARE IN PLACE.
- 22. ALL DEMOLISHED MATERIALS AND SOIL SPOILS SHALL BE REMOVED FROM THE SITE AT NO ADDITIONAL COST, AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- 23. ANY EXISTING APPURTENANCES SUCH AS MANHOLES, GATE VALVES, ETC. SHALL BE ADJUSTED TO THE PROPOSED GRADE AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 24. ALL PERMANENT SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF THE MICHIGAN MUTCD MANUAL AND SHALL BE INCIDENTAL TO THE CONTRACT.
- 25. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL ITEMS REQUIRED FOR CONSTRUCTION OF THE PROJECT ARE INCLUDED IN THE CONTRACT. ANY ITEMS NOT SPECIFICALLY DESIGNATED IN THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 26. THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF APPROVED CONSTRUCTION PLANS, WITH THE LATEST REVISION DATE, ON SITE PRIOR TO THE START OF CONSTRUCTION. IN THE EVENT OF ANY QUESTIONS PERTAINING TO THE INTENT OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER FOR A FINAL DETERMINATION FROM THE DESIGN ENGINEER.
- 27. THE CONTRACTOR, NOT THE OWNER OR THE ENGINEER, ARE RESPONSIBLE FOR THE MEANS, METHODS, AND SEQUENCE OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR SAFE EXECUTION OF THE PROJECT SCOPE IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS.
- 28. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING CONSTRUCTION STAKING AS NECESSARY. CONTRACTOR TO NOTIFY CONSTRUCTION SURVEYOR OF REPLACEMENT STAKES NEEDED WHICH SHALL BE AT THE CONTRACTORS EXPENSE
- 29. THE OWNER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FRANCHISE UTILITY SERVICES (CABLE, ELECTRIC, GAS, ETC.) OWNER AND/OR CONTRACTOR SHALL WORK WITH UTILITY COMPANIES ON FURNISHING SITE UTILITY LAYOUTS AND PROVIDING CONDUIT CROSSINGS AS REQUIRED.
- 30. DAMAGE TO ANY EXISTING UTILITIES OR INFRASTRUCTURE (INCLUDING PAVEMENT, CURB, SIDEWALK, ETC.) SHALL PROMPTLY BE REPLACED IN KIND AND SHALL BE AT THE CONTRACTORS EXPENSE.
- 31. COORDINATION OF TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND PER ALL CITY/TOWNSHIP/COUNTY REQUIREMENTS. COPIES OF ALL TEST REPORTS SHALL BE FURNISHED TO THE DESIGN FNGINFFR
- 32. PRIOR TO THE START OF CONSTRUCTION, PROTECTION FENCING SHALL BE ERECTED AROUND THE TREE DRIPLINE OF ANY TREES INDICATED TO BE SAVED WITHIN THE LIMITS OF DISTURBANCE.
- 33. THE CONTRACTOR SHALL MAINTAIN DRAINAGE OF THE PROJECT AREA AND ADJACENT AREAS. WHERE EXISTING DRAINAGE FACILITIES ARE IMPACTED/DISTURBED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ANY NECESSARY TEMPORARY DRAINAGE PROVISIONS.
- 34. SOIL BORING LOGS ARE REPRESENTATIVE OF SPECIFIC POINTS ON THE PROJECT SITE, AND IF PROVIDED TO THE CONTRACTOR ARE FOR INFORMATIONAL PURPOSES ONLY.
- 35. WHERE CITY/TOWNSHIP STANDARD CONSTRUCTION DETAILS/SPECIFICATIONS ARE PROVIDED AND ARE IN CONFLICT WITH NOTES AND SPECIFICATIONS HEREIN, THE CITY/TOWNSHIP STANDARD SHALL GOVERN.

# INDEMNIFICATION STATEMENT

THE CONTRACTOR SHALL HOLD HARMLESS THE DESIGN PROFESSIONAL, MUNICIPALITY, COUNTY, STATE, AND ALL OF ITS SUB CONSULTANTS, PUBLIC AND PRIVATE UTILITY COMPANIES, AND LANDOWNERS FOR DAMAGES TO INDIVIDUALS AND PROPERTY, REAL OR OTHERWISE, DUE TO THE OPERATIONS OF THE CONTRACTOR AND/OR THEIR SUBCONTRACTORS.

CONTRACTOR TO FOLLOW MANUFACTURER SPECS/RECOMMENDATIONS THAT SUPERCEDE PLANS

# GENERAL GRADING & SESC NOTES

- CONTROL METHODS SHALL BE INCIDENTAL TO THE SCOPE OF WORK.
- WARRANT ADDITIONAL AND/OR ALTERNATIVE SESC MEASURES BE UTILIZED.
- OPERATIONS, MATERIALS, DEBRIS, ETC ARE CONTAINED ON-SITE.
- THE FLOW LINE.
- 7. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND THE NORMAL CONSTRUCTION LIMITS OF THE PROJECT
- SHALL BE SODDED OR SEEDED AS SPECIFIED OR DIRECTED BY THE ENGINEER. 8. AFTER REMOVAL OF TOPSOIL, THE SUBGRADE SHALL BE COMPACTED TO 95% OF ITS UNIT WEIGHT.
- 9. ALL GRADING IN THE PLANS SHALL BE DONE AS PART OF THIS CONTRACT. ALL DELETERIOUS MATERIAL SHALL

BE REMOVED FROM THE SUBGRADE PRIOR TO COMPACTING.

- CONFORM TO THE CROSS-SECTION AS SHOWN IN THE PLANS.
- BACKFILLED AND COMPACTED WITH SAND (MDOT CLASS II).

# GENERAL LANDSCAPE NOTES

- INJURIES, ABRASIONS, OR DISFIGUREMENT. ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- MIX (SEE BELOW).
- OTHERWISE NOTED.
- 3-INCHES.
- SUITABLE THICKNESS FOR APPLICATION.
- OPERATIONS.

- BE KEPT MOIST AND LAID WITHIN 36-HOURS AFTER CUTTING.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH A DENSE LAWN OF PERMANENT GRASSES, FREE OF LUMPS AND DEPRESSIONS. ALL SODDED AREAS THAT BROWN-OUT OR HAVE NOT FIRMLY KNITTED TO THE SOIL BASE WITHIN A PERIOD OF 1 MONTH SHALL BE REPLACED BY THE CONTRACTOR, AT NO COST TO THE OWNFR.

LANDSCAPED, OR SODDED SHALL BE SEEDED AND MULCHED.

SEED MIXTURE SHALL BE AS FOLLOWS: KENTUCKY BLUEGRASS (CHOOSE 3 VARIETIES -ADELPHI, RUGBY, GLADE, OR PARADE) RUBY RED OR DAWSON RED FINE FESCUE ATLANTA RED FESCUE PENNFINE PERENNIAL RYE

THE ABOVE SEED MIXTURE SHALL BE SOWN AT A RATE OF 250 LBS PER ACRE. PRIOR TO SEEDING, THE TOPSOIL SHALL BE FERTILIZED WITH A COMMERCIAL FERTILIZER WITH A 10-0-10 ANALYSIS:

10% NITROGEN - MIN 25% FROM A UREA FORMALDEHYDE SOURCE 0 % PHOSPHATE 10% POTASH - SOURCE POTASSIUM SULFATE OR POTASSIUM NITRATE

THE FIRST FERTILIZER APPLICATION SHALL BE AT A RATE OF 10 LBS PER 1000 SQ FT OF BULK FERTILIZER.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH A DENSE LAWN OF PERMANENT GRASSES, FREE OF LUMPS AND DEPRESSIONS. ANY PART OF THE AREA THAT FAILS TO SHOW A UNIFORM GERMINATION SHALL BE RE-SEEDED AND SUCH RE-SEEDING SHALL CONTINUE UNTIL A DENSE LAWN IS ESTABLISHED. DAMAGE TO SEEDED AREAS RESULTING FROM EROSION SHALL BE REPAIRED BY THE CONTRACTOR.

- GRADING PLAN.
- LANDSCAPE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING LANDSCAPING.

# **GENERAL UTILITY NOTES**

- THE ENGINEER.

- AND SANITARY/STORM SEWER TO THE MAXIMUM EXTENT POSSIBLE.

1. THE CONTRACTOR SHALL HAVE IN PLACE ALL REQUIRED EROSION CONTROL METHODS AS INDICATED ON THE CONSTRUCTION PLANS AND AS REQUIRED BY GENERAL PRACTICE. SPECIFIC MEANS, METHODS AND SEQUENCES OF CONSTRUCTION MAY DICTATE ADDITIONAL SOIL EROSION CONTROL MEASURES BE NEEDED. THE CONTRACTOR SHALL COORDINATE WITH THE DESIGN ENGINEER ON THESE ANTICIPATED METHODS. ADDITIONAL SOIL EROSION

2. ACTUAL FIELD CONDITIONS MAY DICTATE ADDITIONAL OR ALTERNATE SOIL EROSION CONTROL MEASURES BE UTILIZED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DEFICIENCIES OR FIELD CONDITIONS THAT

3. AT THE CLOSE OF EACH DAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL CONSTRUCTION

4. AT THE CLOSE OF EACH WORKING DAY, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS AT

5. ALL SOIL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE PER MDEGLE REGULATIONS AND BEST PRACTICES, ALL SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR.

THE SOIL EROSION CONTROL MEASURES SHALL BE KEPT IN PLACE UNTIL SUCH A TIME THAT THE SITE IS DETERMINED TO BE ESTABLISHED WITH ACCEPTABLE AMOUNT OF VEGETATIVE GROUND COVER.

10. ALL ROOTS, STUMPS AND OTHER OBJECTIONABLE MATERIALS SHALL BE REMOVED AND THE HOLE BACKFILLED WITH SUITABLE MATERIAL. WHERE GRADE CORRECTION IS REQUIRED, THE SUBGRADE SHALL BE CUT TO

11. ALL EXCAVATION UNDER OR WITHIN 3 FEET OF PUBLIC PAVEMENT, EXISTING OR PROPOSED SHALL BE

1. ALL PLANT MATERIAL SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE GOVERNING MUNICIPALITY. ALL STOCK SHALL BE NURSERY GROWN, CONFORMING TO ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK", AND IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE. STOCK SHALL EXHIBIT NORMAL GROWTH HABIT AND BE FREE OF DISEASE, INSECTS, EGGS, LARVAE, & DEFECTS SUCH AS KNOTS, SUN-SCALD,

ALL PLANT MATERIALS SHALL BE BALLED AND BURLAPPED OR CONTAINER STOCK. NO BARE ROOT STOCK IS PERMITTED. ALL PLANT BALLS SHALL BE FIRM, INTACT, AND SECURELY WRAPPED AND BOUND.

3. ALL PLANT BED MATERIALS SHALL BE EXCAVATED OF ALL BUILDING MATERIALS, OTHER EXTRANEOUS OBJECTS, AND POOR SOILS TO A MINIMUM DEPTH OF 12-INCHES AND BACKFILLED TO GRADE WITH SPECIFIED PLANTING

4. PLANTING MIXTURE SHALL CONSIST OF 5 PARTS TOPSOIL FROM ON-SITE (AS APPROVED), 4 PARTS COARSE SAND, 1 PART SPHAGNUM PEAT MOSS (OR APPROVED COMPOST), AND 5 LBS OF SUPERPHOSPHATE FERTILIZER PER CU. YD. OF MIX. INGREDIENTS SHALL BE THOROUGHLY BLENDED FOR UNIFORM CONSISTENCY.

5. ALL PLANT BEDS AND INDIVIDUAL PLANTS, NOT OTHERWISE NOTED SHALL BE MULCHED WITH A 4-INCH LAYER OF SHREDDED BARK MULCH. EDGE OF MULCH BEDS AS SHOWN. DECIDUOUS TREES IN LAWN AREAS SHALL RECEIVE A 5-FT DIAMETER CIRCLE OF MULCH AND CONIFER TREES 8-FT (PLANTED CROWN OF TREE) UNLESS

6. LANDSCAPE STONE SHALL BE INSTALLED WHERE NOTED OR INDICATED (HATCHED). STONE SHALL BE 3/4"-1-1/4" WASHED RIVER GRAVEL OR AS SELECTED AND SHALL BE INSTALLED TO A MINIMUM DEPTH OF

7. ALL LANDSCAPE BEDS, UNLESS OTHERWISE NOTED SHALL BE INSTALLED OVER WEED BARRIER FABRIC - WATER PERMEABLE FILTRATION FABRIC OF NON-WOVEN POLYPROPYLENE OR POLYESTER FABRIC. FABRIC SHALL BE OF

8. ALL PLANTS AND PLANT BEDS SHALL BE THOROUGHLY WATERED UPON COMPLETION OF PLANTING AND STAKING

THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR A PERIOD OF 1 YEAR FROM THE DATE THE WORK IS ACCEPTED, IN WRITING, BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL REPLACE, WITHOUT COST TO THE OWNER, WITHIN A SPECIFIED PERIOD OF TIME, ALL DEAD PLANTS, AND ALL PLANTS NOT IN A VIGOROUS, THRIVING CONDITION, AS DETERMINED BY THE LANDSCAPE ARCHITECT, DURING AND AT THE END OF THE GUARANTEE PERIOD. REPLACEMENT STOCK SHALL CONFORM TO THE ORIGINAL SPECIFICATIONS.

10. EDGING SHALL BE PROVIDED FOR ALL LANDSCAPE BEDS NOT ADJACENT TO CONCRETE PAVEMENT. EDGING SHALL BE BLACK ALUMINUM EDGING, 3/16-INCH X 4-INCH. INSTALL PER MANUFACTURER'S INSTRUCTIONS, ALL EDGING SHALL BE INSTALLED IN STRAIGHT LINES OR SMOOTH CURVES WITHOUT IRREGULARITIES.

11. SOD SHALL BE DENSE, WELL ROOTED TURF, FREE OF WEEDS. IT SHALL BE COMPRISED OF A BLEND OF AT LEAST TWO KENTUCKY BLUE GRASSES AND ONE FESCUE. IT SHALL HAVE A UNIFORM THICKNESS OF 3/4-INCH AT TIME OF PLANTING, AND CUT IN UNIFORM STRIPS NOT LESS THAN 10-INCHES BY 18-INCHES. SOD SHALL

12. ALL AREAS OF THE SITE THAT BECOME DISTURBED DURING CONSTRUCTION AND ARE NOT TO BE PAVED, STONED,

30% 30% 20% 20%

13. ALL AREAS OF THE SITE SCHEDULED FOR SEEDING OR SODDING SHALL FIRST RECEIVE A 6-INCH LAYER OF CLEAN, FRIABLE TOPSOIL. THE SOIL SHALL BE DISCED AND SHALL BE GRADED IN CONFORMANCE WITH THE

14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES AND TO INFORM THE

BEDDING SHALL EXTEND A MINIMUM OF 4" BELOW THE PIPE, UNLESS OTHERWISE NOTED ON THE PLANS. BEDDING SHALL BE OF UNIFORM GRADATION MDOT 6AA STONE OR MDOT CLASS II GRANULAR MATERIAL FOR SANITARY AND STORM PIPE AND MDOT CLASS II GRANULAR MATERIAL ONLY FOR WATERMAIN.

2. WHERE UNSTABLE GROUND CONDITIONS ARE ENCOUNTERED, STONE BEDDING SHALL BE USED AS DIRECTED BY

3. BACKFILL SHALL BE OF A SUITABLE MATERIAL AND SHALL BE FREE OF ANY ORGANIC MATERIALS AND ROCKS.

4. BACKFILL ABOVE THE PIPE SHALL BE OF GRANULAR MATERIAL MDOT CLASS II TO A POINT 12" ABOVE THE TOP OF THE PIPE. WHERE THE TRENCH IS NOT WITHIN THE INFLUENCE OF THE ROAD, SUITABLE SITE MATERIAL MAY BE COMPACTED AND UTILIZED FROM A POINT 12" ABOVE THE PIPE TO GRADE. WHERE THE TRENCH IS WITHIN A 1:1 INFLUENCE OF THE ROAD, GRANULAR MATERIAL, MDOT CLASS II OR III, IS TO BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 12" IN THICKNESS. COMPACTION SHALL BE 95% AS DETERMINED BY AASHTO T99.

5. 18" MINIMUM VERTICAL SEPARATION AND 10' HORIZONTAL SEPARATION IS TO BE MAINTAINED BETWEEN WATERMAIN

# **GENERAL STORM NOTES**

1. ALL STORM PIPE LENGTHS ARE SHOWN FROM C/L TO C/L OF STRUCTURE OR FROM C/L OF STRUCTURE TO DISCHARGE END OF FLARED END SECTION.

- 2. STORM PIPE MATERIALS SHALL BE AS FOLLOWS: 2.1. RCP(REINFORCED CONCRETE PIPE): SHALL MEET THE REQUIREMENTS OF ASTM C76 WITH MODIFIED GROOVED TONGUE AND RUBBER GASKETS MEETING THE REQUIREMENTS OF ASTM C443. RCP TO BE EITHER CLASS IV OR V AS CALLED OUT ON THE PLANS.
- 2.2. HDPE(HIGH DENSITY POLYETHYLENE): SHALL MEET THE REQUIREMENTS OF ASTM F2648. 2.3. PP(POLYPROPYLENE): SHALL MEET THE REQUIREMENTS OF ASTM F2881.
- 2.4. PVC(POLYVINYL CHLORIDE): SHALL MEET THE REQUIREMENTS OF ASTM D3034.
- 3. STORM PIPE JOINTS SHALL MEET THE REQUIREMENTS OF ASTM D3212. HDPE AND PP PIPE GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477.
- 4. ALL STORM PIPE TO HAVE WATERTIGHT PREMIUM JOINTS, UNLESS OTHERWISE NOTED ON THE PLANS.
- 5. STORM DRAINAGE STRUCTURES SHALL BE FURNISHED WITH STEPS WHICH SHALL BE STEEL ENCASED WITH POLYPROPYLENE PLASTIC OR EQUIVALENT. STEPS SHALL BE SET AT 16" CENTER TO CENTER.
- 6. ALL FLARED END SECTIONS 15" AND LARGER SHALL BE FURNISHED WITH AN ANIMAL GRATE.
- 7. FLARED END SECTIONS DISCHARGING STORM WATER SHALL RECEIVE A MINIMUM OF 10 SQ YDS OF PLAIN COBBLESTONE RIP RAP WITH A MINIMUM STONE SIZE OF 6" AND SHALL BE PLACED ON A GEOTEXTILE FABRIC WRAP
- 8. ALL CATCH BASINS WITHIN THE ROADWAY SHALL INCLUDE INSTALLATION OF 6" DIAMETER PERFORATED PIPE SUBDRAIN.

9.	. STORM DR	AINAGE STRUCTURE	COVERS SHALL	BE OF THE FO	OLLOWING (OR APPROVED EQUA	L):
	TYP	E LOCATIION	FRAME	COVEF	R/INLET	
	'M	H' ALL	1040	SANITA	ARY-SOLID SELF-SEALING STOR	M-VENTED
	'CI	B' TYPE A CURB	7000-	T1-MI FLAT	GRATE WITH VERT. OPEN BACK	
	'CI	3' TYPE B CURB	7065-	T1-M1 FLAT	GRATE WITH ROLL BACK	
	'CI	B' PAVEMENT/SH	OULDER 1020-I	M1 FLAT	GRATE	
	'CI	B' OPEN AREA	1020-0	01 BEEHI	IVE GRATE 4" HIGH	
	'CI	B' GUTTER	5100	CONC	CAVE INLET	

# GENERAL SANITARY NOTES

1. ALL SANITARY PIPE LENGTHS ARE SHOWN FROM C/L OF STRUCTURE TO C/L OF STRUCTURE.

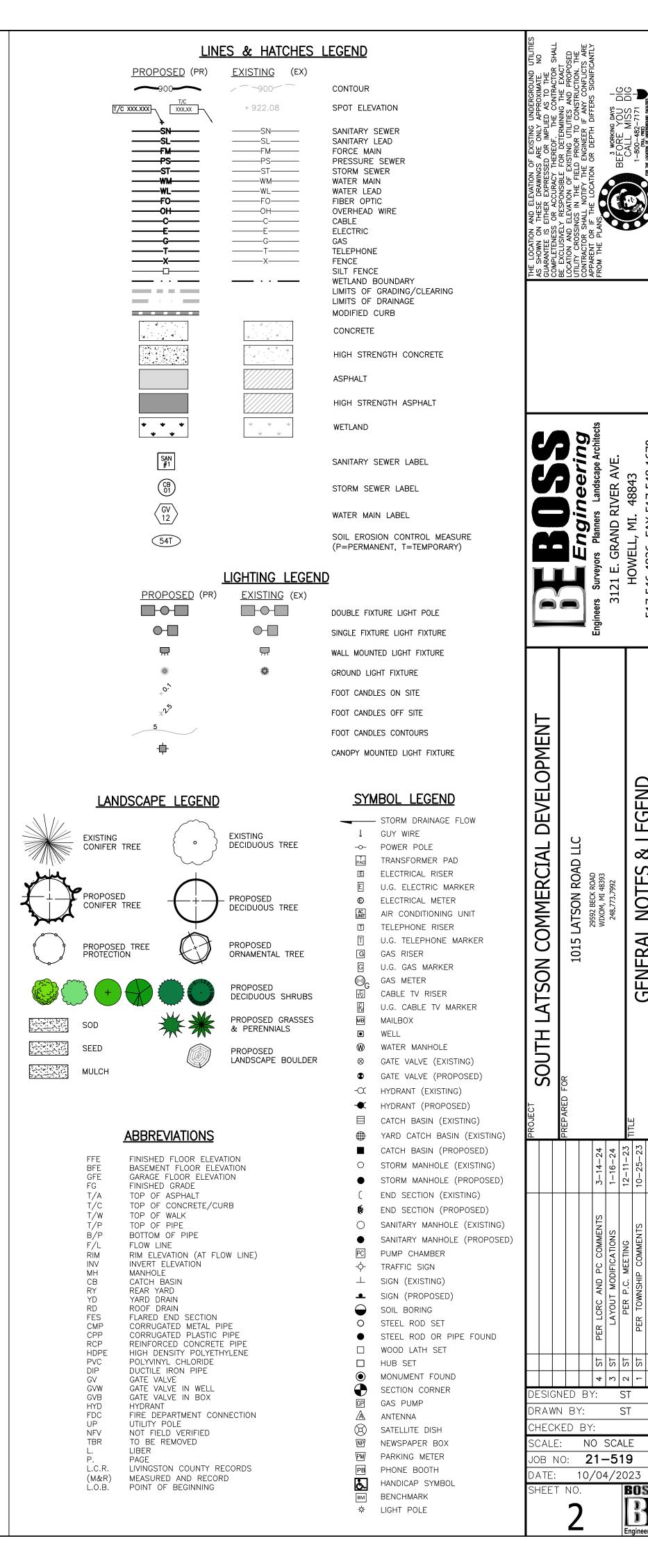
2. SANITARY PIPE MATERIALS SHALL BE AS FOLLOWS:

- 2.1. PVC SDR-26 (SANITARY MAIN) 2.2. PVC SDR-23.5 (SANITARY LEADS)
- 2.3. HDPE DR-11 (SANITARY FORCEMAIN)
- 3. ALL PVC SDR SANITARY SEWER PIPE SHALL MEET THE REQUIREMENTS OF ASTM D3034 AND D2241. PVC SCHD 40 PIPE SHALL MEET THE REQUIREMENTS OF ASTM D1785. GASKET JOINTS FOR SANITARY PIPE SHALL MEET THE REQUIREMENTS OF ASTM D3139 AND D3212.
- 4. SANITARY STRUCTURES SHALL BE FURNISHED WITH STEPS WHICH SHALL BE STEEL ENCASED WITH POLYPROPYLENE PLASTIC OR EQUIVALENT. STEPS SHALL BE SET AT 16" CENTER TO CENTER.
- 5. ALL NEW MANHOLES SHALL BE MINIMUM 4' DIAMETER, PRECAST MANHOLE SECTIONS AND AN ECCENTRIC CONE. PRECAST MANHOLE JOINTS SHALL BE INSTALLED WITH BUTYL ROPE MEETING THE REQUIREMENTS OF ASTM C990.
- 6. MANHOLES SHALL BE CONSTRUCTED WITH FLOW CHANNEL WALLS THAT ARE FORMER, AT A MINIMUM, TO THE SPRINGLINE OF THE PIPE.
- 7. ALL NEW MANHOLES SHALL HAVE AN APPROVED FLEXIBLE, WATERTIGHT SEALS WHERE PIPES PASS THROUGH MANHOLE WALLS.
- 8. WHEREVER AN EXISTING MANHOLE IS TO BE TAPPED, THE STRUCTURE SHALL BE CORED AND A KOR-N-SEAL BOOT UTILIZED FOR THE PIPE CONNECTION.
- 9. ALL MANHOLES SHALL BE PROVIDED WITH WATERTIGHT COVERS. COVERS TO BE EJCO 1040 TYPE 'A' SOLID COVER.
- 10. A MAXIMUM OF 12" OF GRADE ADJUSTMENT RINGS SHALL BE USED TO ADJUST THE FRAME ELEVATION. BUTYL ROPE SHALL BE USED BETWEEN EACH ADJUSTMENT RING.
- 11. SANITARY SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF 1.0%.
- 12. CLEANOUTS SHALL BE INSTALLED EVERY 100', AT ALL BENDS AND STUBS.
- 13. PUBLIC SANITARY SEWER SHALL BE CENTERED WITHIN A 20 FOOT WIDE SANITARY SEWER EASEMENT.

# GENERAL WATERMAIN NOTES

1. WATERMAIN PIPE MATERIALS SHALL BE AS FOLLOWS:

- 1.1. D.I.P. CL.52 (WATERMAIN)
- 1.2. TYPE 'K' COPPER (WATER LATERAL – MAIN TO CURB STOP) HDPE DR-9 (WATER LATERAL – CURB STOP TO STUB) 1.3.
- WATERMAIN FITTINGS SHALL BE OF DUCTILE IRON WITH CEMENT MORTAR LINING AND MECHANICAL JOINTS CONFORMING TO AWWA C110.
- 3. WATERMAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651. BAC-T SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH R235.11110 OF THE ADMINISTRATIVE RULES PROMULGATED UNDER MICHIGAN SAFE DRINKING WATER ACT, 1976 PA 399, AS AMENDED.
- 4. ALLOWABLE LEAKAGE OR HYDROSTATIC PRESSURE TESTING SHALL BE IN ACCORDANCE WITH AWWA C600 AND C605.
- MAXIMUM DEFLECTION AT PIPE JOINTS SHALL BE IN ACCORDANCE WITH PIPE MANUFACTURERS CURRENT RECOMMENDATIONS AND AWWA SPECIFICATIONS.
- 6. A FULL STICK OF PIPE SHALL BE LAID CENTERED AT A PIPE CROSSING IN ORDER TO MAINTAIN THE MAXIMUM SEPARATION OF WATERMAIN JOINT TO THE CROSSING PIPE.
- 7. WATERMAIN SHALL BE INSTALLED WITH A MINIMUM OF 5.5' OF COVER FROM FINISHED GRADE TO TOP OF PIPE AND NO MORE THAN 8' OF COVER, UNLESS SPECIAL CONDITIONS WARRANT.
- WATERMAIN VALVES SHALL BE IRON BODY RESILIENT WEDGE GATE VALVES, NON-RISING STEMS, COUNTERCLOCKWISE OPEN, AWWA C509.
- 9. FIRE HYDRANTS SHALL BE INSTALLED WITH AN AUXILIARY VALVE WITH CAST IRON VALVE BOX. THE HYDRANT PUMPER HOSE CONNECTION SHALL FACE THE ROADWAY.
- 10. THE BREAKAWAY FLANGE AND ALL BELOW GRADE FITTINGS SHALL HAVE STAINLESS STEEL NUTS AND BOLTS.
- 11. PUBLIC WATERMAIN SHALL BE CENTERED WITHIN A 25 FOOT WIDE WATERMAIN EASEMENT



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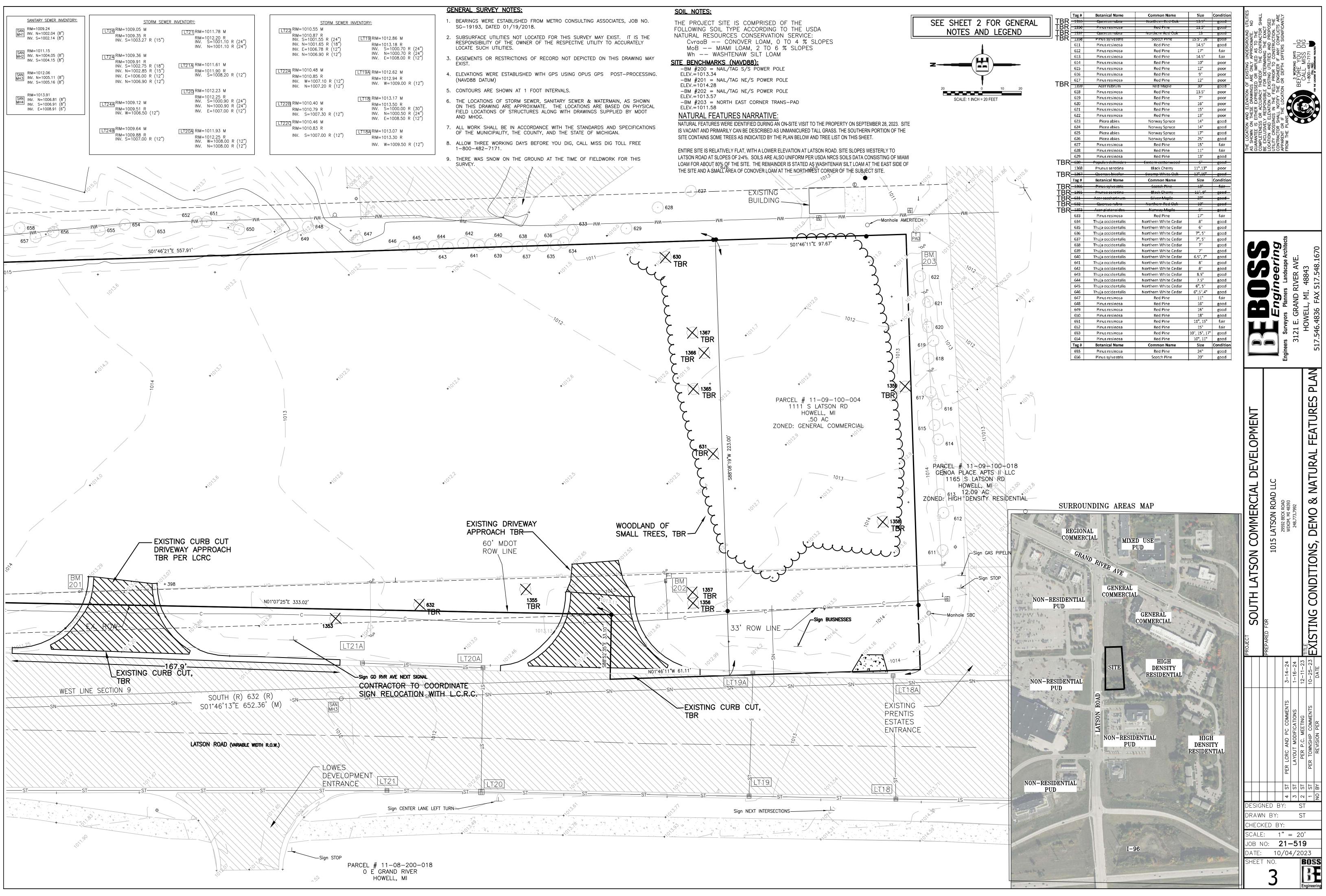
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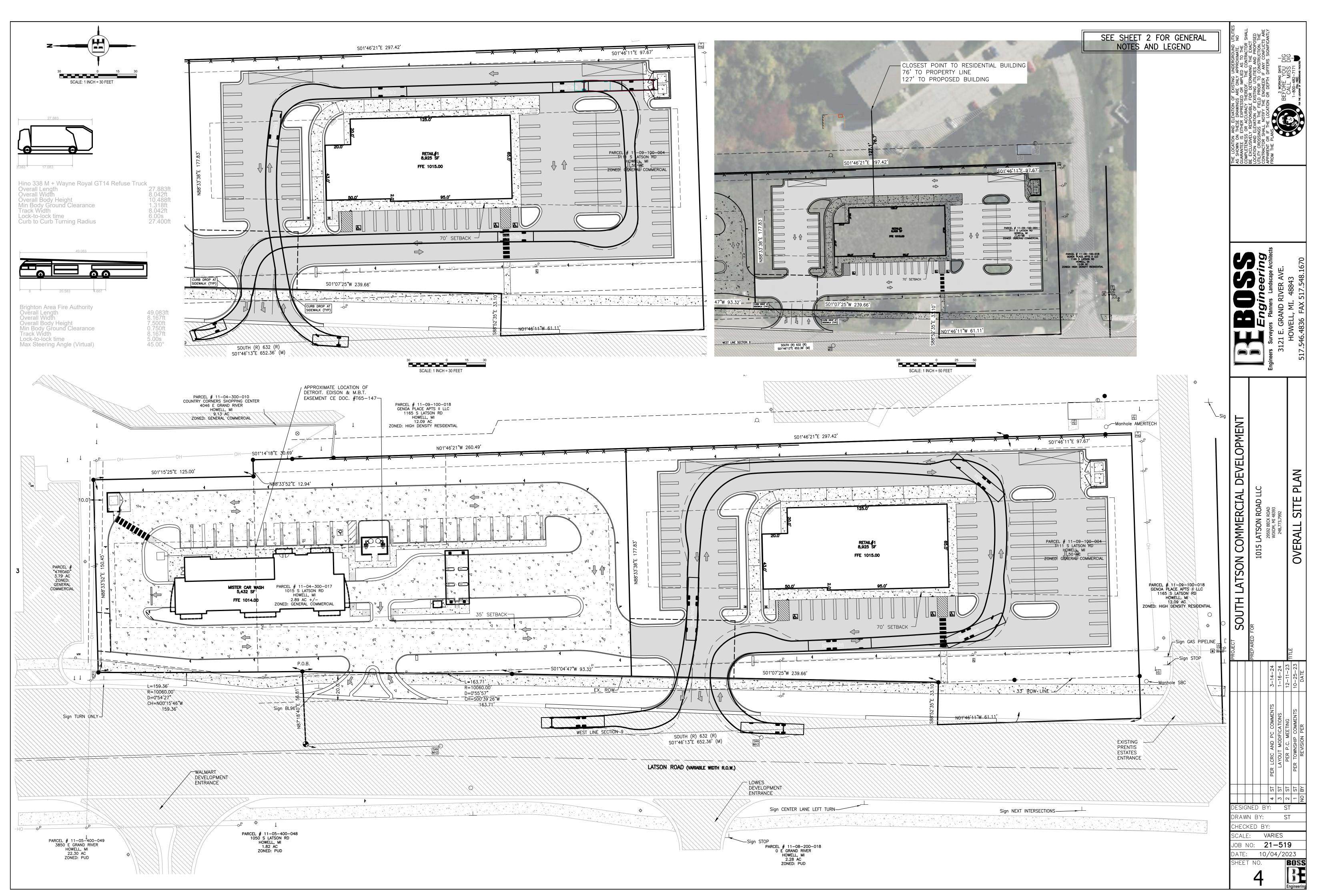
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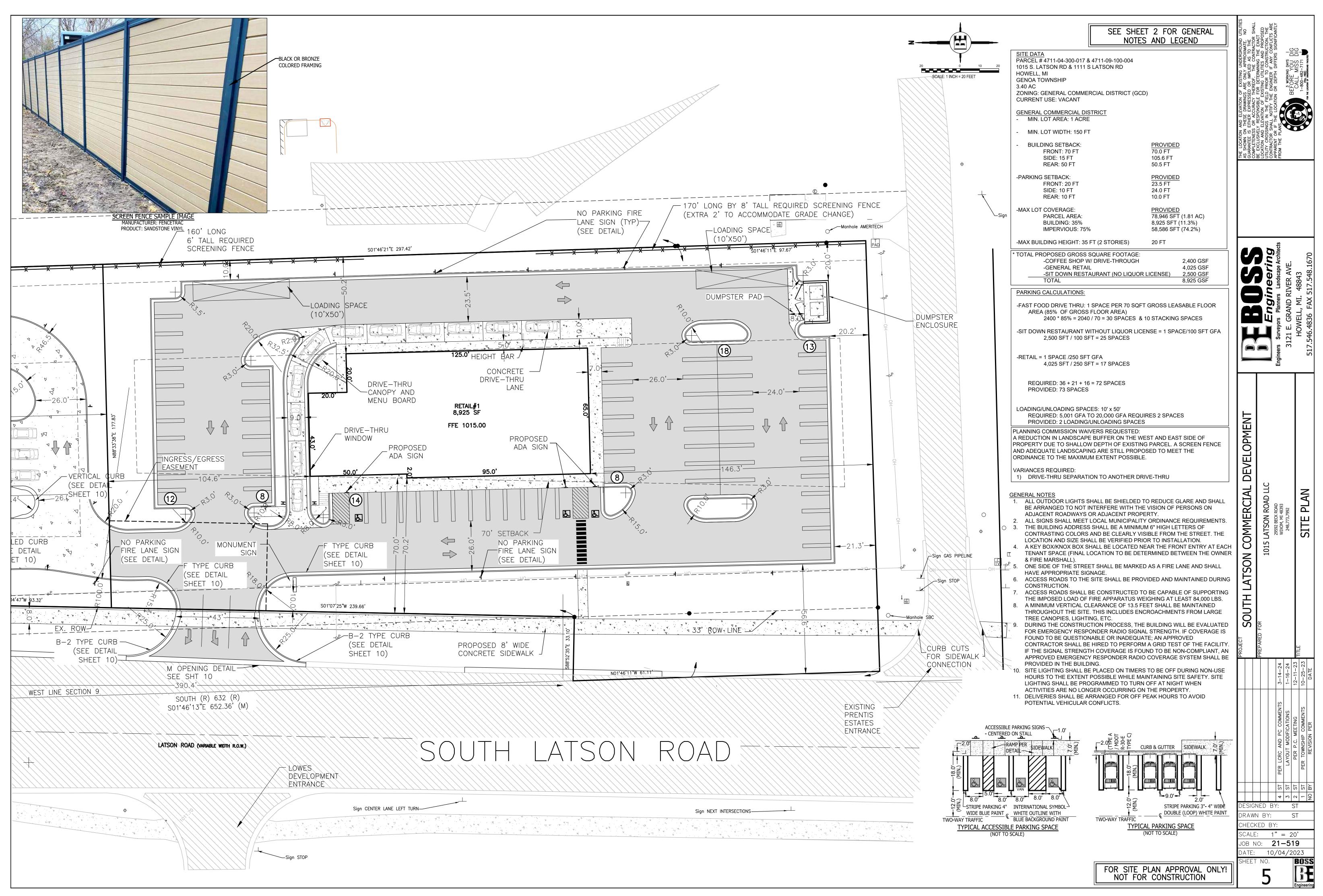
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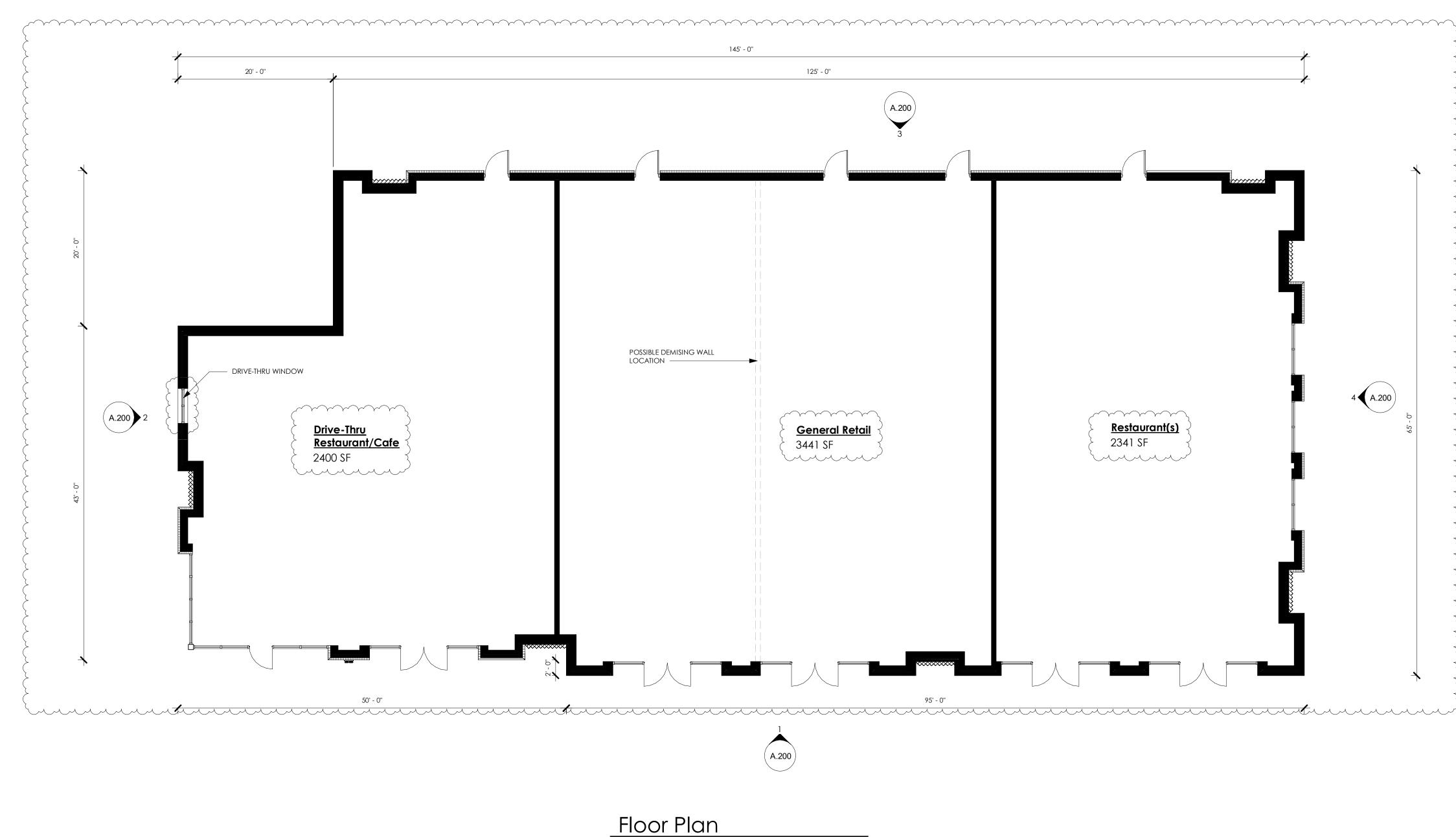
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1/8" = 1'-0"

KRIEGER KLATT Architects

2120 E. 11 Mile Rd. | Royal Oak, MI 48067 **P:** 248.414.9270 **F:** 248.414.9275 www.kriegerklatt.com

Client: Group 10 Management 29200 Northwestern Hwy., Suite 450 Southfield, MI 48034

Project:

South Latson Commercial Development 1015 & 1111 S. Latson Rd. Howell, MI 48843 (Genoa Township)

Issued	Description	Bγ
04.01.2022	Conceptual Design	
10.04.2023	Site Plan Submittal	
10.25.2023	SPA Revisions	
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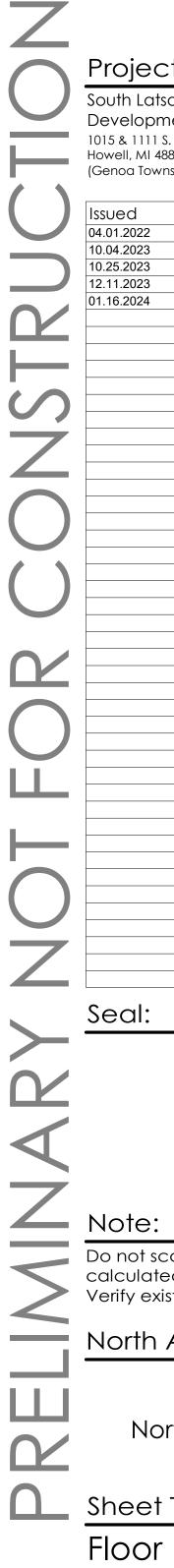
North Arrow:

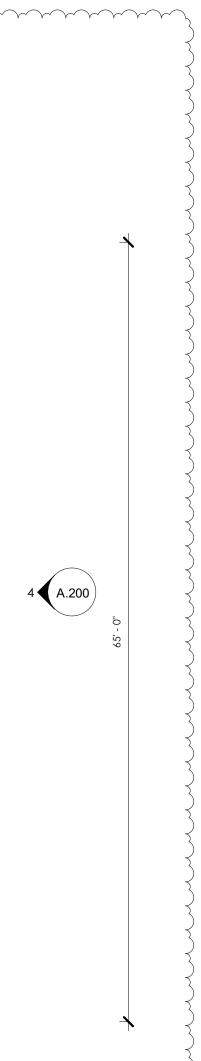


Floor Plan

Project Number: 22-033 Scale: 1/8" = 1'-0"

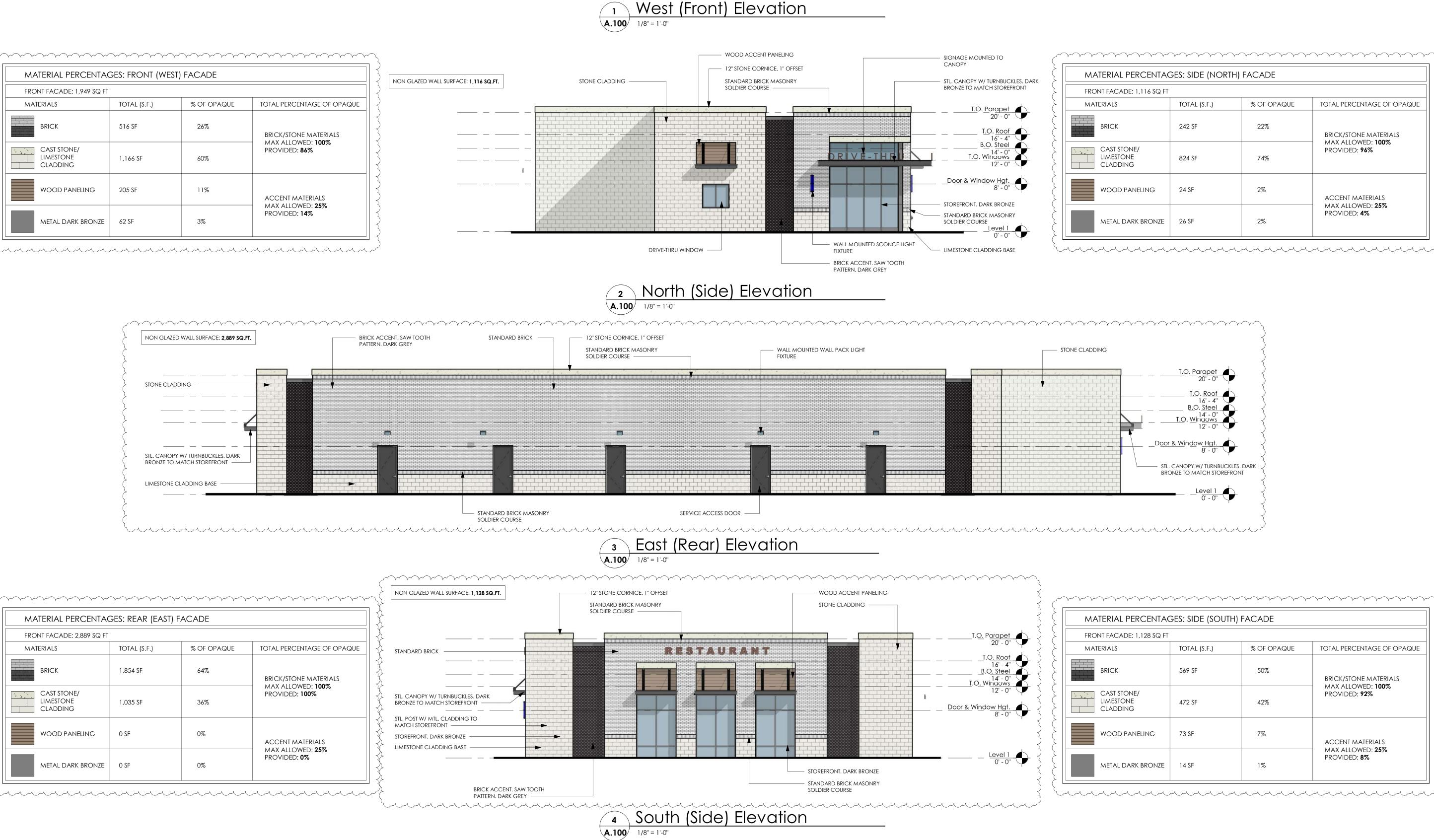
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FRONT FACADE: 2,889 SQ FT         MATERIALS       TOTAL (S.F.)       % OF OPAQUE       TOTAL PERCENTAGE OF OPAQUE         BRICK       1,854 SF       64%       BRICK/STONE MATERIALS MAX ALLOWED: 100%       STANDARD BRICK         CAST STONE/ LIMESTONE CLADDING       1,035 SF       36%       BRICK/STONE MATERIALS MAX ALLOWED: 100%       STL CANOPY W/ JURNBUCKLES, DARK BRONZE TO MATCH STOREFRONT         WOOD PANELING       0 SF       0%       ACCENT MATERIALS MAX ALLOWED: 25% PROVIDED: 0%       STL POST W/ MTL CLADDING TO MATCH STOREFRONT         METAL DARK BRONZE       0 SF       0%       ACCENT MATERIALS PROVIDED: 0%       STREFRONT. DARK BRONZE LIMESTONE CLADDING BASE						
BRICK       1,854 SF       64%         BRICK/STONE MATERIALS MAX ALLOWED: 100%       BRICK/STONE MATERIALS MAX ALLOWED: 100%         CAST STONE/ LIMESTONE CLADDING       1,035 SF       36%         WOOD PANELING       0 SF       0%         METAL DARK BRONZE       0 SF       0%         METAL DARK BRONZE       0 SF       0%	FRONT FACADE: 2,889 SQ FT					
CAST STONE/ LIMESTONE CLADDING       1,035 SF       36%         WOOD PANELING       0 SF       0%         ACCENT MATERIALS MAX ALLOWED: 100%       STL. CANOPY W/ TURNBUCKLES. DARK BRONZE TO MATCH STOREFRONT         STL. CANOPY W/ TURNBUCKLES. DARK BRONZE TO MATCH STOREFRONT       STL. CANOPY W/ TURNBUCKLES. DARK BRONZE TO MATCH STOREFRONT         WOOD PANELING       0 SF       0%         ACCENT MATERIALS MAX ALLOWED: 25% PROVIDED: 0%       STL. POST W/ MTL. CLADDING TO MATCH STOREFRONT. DARK BRONZE         METAL DARK BRONZE       0 SF       0%	MATERIALS	total (S.F.)	% OF OPAQUE	TOTAL PERCENTAGE OF OPAQUE	STANDARD BRICK	
CAST STONE/ LIMESTONE CLADDING       1,035 SF       36%       PROVIDED: 100%       STL. CANOPY W/ TURNBUCKLES. DARK BRONZE TO MATCH STOREFRONT         WOOD PANELING       0 SF       0%       ACCENT MATERIALS MAX ALLOWED: 25% PROVIDED: 0%       STL. POST W/ MTL. CLADDING TO MATCH STOREFRONT         METAL DARK BRONZE       0 SF       0%       ACCENT MATERIALS MAX ALLOWED: 25% PROVIDED: 0%       STL. POST W/ MTL. CLADDING BASE	BRICK	1,854 SF	64%			
WOOD PANELING       0 SF       0%       ACCENT MATERIALS MAX ALLOWED: 25% PROVIDED: 0%       MATCH STOREFRONT         METAL DARK BRONZE       0 SF       0%       ACCENT MATERIALS MAX ALLOWED: 25% PROVIDED: 0%       MATCH STOREFRONT	LIMESTONE	1,035 SF	36%		BRONZE TO MATCH STOREFRONT	
METAL DARK BRONZE 0 SF 0% PROVIDED: 0%	WOOD PANELING	0 SF	0%		MATCH STOREFRONT	
	METAL DARK BRONZE	0 SF	0%			
	······		, , , , , , , , , , , , , , , , , , ,			

STONE CLADDING STL. CANOPY W/ TURNBUCKLES. DARK BRONZE TO MATCH STOREFRONT LIMESTONE CLADDING BASE SOLDIER COURSE



MATERIALS	TOTAL (S.F.)	% OF OPAQUE	TOTAL PERCENTAGE OF OPAG	
BRICK	516 SF	26%	BRICK/STONE MATERIALS	
CAST STONE/ LIMESTONE CLADDING	1,166 SF	60%	— MAX ALLOWED: <b>100%</b> Provided: <b>86%</b>	
WOOD PANELING	205 SF	11%	ACCENT MATERIALS	
METAL DARK BRONZE	62 SF	3%	— MAX ALLOWED: <b>25%</b> PROVIDED: <b>14%</b>	

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NON GLAZED WALL S	SURFACE: 1,116 SQ.FT.



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	WALL MOUNTED SCONCE LIGHT					
N GLAZED WALL SURFACE: <b>1,949 SQ.FT.</b>	12" STONE CORNICE. 1" OFFSET	STL. CANOPY W/ TURNBUCKLES. DARK BRONZE TO MATCH STOREFRONT LIMESTONE CLADDING	BRICK ACCENT. SAW TOOTH PATTERN. DARK GREY WOOD ACCENT PANELING	12" STONE HEADER		
NDARD BRICK	DRIVE-THRUE			RETAIL RESTAURANT	T.O. Parapet 20' - 0" T.O. Roof 16' - 4" B.O. Steel 14' - 0" T.O. Windows 12' - 0"	
EFRONT. DARK BRONZE					<u>Door &amp; Window Hgt.</u> 8' - 0" <u>Level 1</u>	
	FIRE DEPARTMENT CONNECTION LIMESTONE CLADDING BASE STANDARD BRICK MASONRY SOLDIER COURSE			STL. CANOPY W/ TURNBUCKLES. DARK BRONZE TO MATCH STOREFRONT	0' - 0''	

ERCENTAC	ges: side (north)	FACADE					
: 1,116 SQ FT							
	total (S.f.)	% OF OPAQUE	TOTAL PERCENTAGE OF OPAQUE				
	242 SF	22%	BRICK/STONE MATERIALS				
IE/ E	824 SF	74%	— MAX ALLOWED: <b>100%</b> Provided: <b>96%</b>				
NELING	24 SF	2%					
rk bronze	26 SF	2%	– MAX ALLOWED: <b>25%</b> PROVIDED: <b>4%</b>				

: 1,128 SQ FT			
	total (S.F.)	% OF OPAQUE	TOTAL PERCENTAGE OF OPAQUE
	569 SF	50%	BRICK/STONE MATERIALS
NE/ E G	472 SF	42%	MAX ALLOWED: <b>100%</b> PROVIDED: <b>92%</b>
NELING	73 SF	7%	
rk bronze	14 SF	1%	MAX ALLOWED: <b>25%</b> PROVIDED: <b>8%</b>

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**KRIEGER KLATT** ARCHITECTS

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Project:

South Latson Commercial Development 1015 & 1111 S. Latson Rd. Howell, MI 48843 (Genoa Township) Description Issued

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Seal:

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North Arrow:

Sheet Title: Exterior Elevations

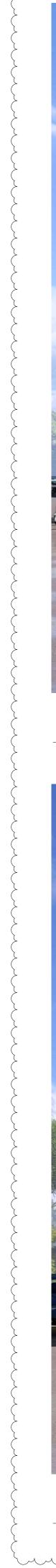
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Scale:

As indicated

Sheet Number:







Rendering View Towards Northeast Scale: N.T.S.



# Rendering View Towards Southeast

Scale: N.T.S.

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KRIEGER KLATT Architects

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	SPA Revisions	
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North Arrow:

Sheet Title:

Renderings

Project Number: 22-033 Scale:

Sheet Number:

Parcel Number: 4711-09-100-	-004	Jurisdi	iction:	GENOA CHI	ARTER TOWNSI	HIP	County: LIVINGST	N	Printed on		04/11/2024		
Grantor G	Grantee 1015 LATSON ROAD LLC		Grantee			Sale Price	Sale Date	Inst. Type	Terms of Sale	Liber & Pag	-	ified	Prcnt. Trans.
RITZ, JAMES & PAMELA 1				325,000	12/16/2021	WD	03-ARM'S LENGTH	2021F	-050186 BUY	ER/SELLER	100.0		
HERCEG, NICHOLAS & DOROTHY R	ITZ, JAMES & PA	MELA		65,000	10/13/1998	WD	03-ARM'S LENGTH	24430	0774 BUY	ER/SELLER	100.0		
DANICK H	ERCEG			45,164	11/18/1996	WD	03-ARM'S LENGTH	2131-	·0564 BUY	ER/SELLER	100.0		
HERCEG R	ITZ			45,164	11/18/1996	WD	21-NOT USED/OTH	ER 2131-	-0560 BUY	ER/SELLER	100.0		
Property Address		Class:	COMME	RCIAL-VACAN	IT Zoning: (	GCD Bui	ilding Permit(s)	Da	te Number	St	atus		
1111 S LATSON RD		School	: HOWEI	LL PUBLIC S	CHOOLS								
		P.R.E.	08										
Owner's Name/Address		MAP #:	V24-12	2									
1015 LATSON ROAD LLC				2025 F	St TCV Tent	ative							
29592 BECK RD		Tmp	roved	X Vacant			ates for Land Tak	le 2003.GRAND R	TVER FRONTAGE	I			
WIXOM MI 48393		-	lic					Factors *		·			
			rovemer	nts	Descrip	tion Fr	ontage Depth Fr		e %Adj. Reasc	n	Value		
Tax Description			t Road		GRAND R	IVE 15.00		SqFt 15.00000					
SEC. 9 T2N, R5E, BEG. 632 FT	Grave		vel Roa				0.50 Tot	al Acres Tot	al Est. Land	Value =	324,465		
COR. OF NW $1/4$ THENCE E 223			red Road orm Sewe										
FT. THENCE W 223 FT., S 97.67 FT. TO BEG.		Sidewalk											
Comments/Influences		Water Sewer Electric Gas Curb											
			eet Lic										
		Standard											
			Underground Utils.										
		Topography of Site											
		Lev											
			ling										
		Low											
		Hig		J									
		Swa	ndscaped Imp	1									
			ded										
		Pon											
			erfront ine	2									
			land										
			od Plai	in	Year			Assessed					
		X REF			2025	Valu			Review	Other			
		Who	When	What		Tentativ					Tentative		
The Equalizer. Copyright (c	c) 1999 - 2009.	ł			2024	162,20		. ,			119,2900		
Licensed To: Township of Ger					2023	162,20					113,610C		
Livingston, Michigan					2022	108,20	0 00	108,200			108,200S		

\*\*\* Information herein deemed reliable but not guaranteed\*\*\*

Parcel Number: 4711-04-300-017 Jurisdiction: GENOA CHARTER TOWNSHIP County: LIVINGSTON

Printed on 04/11/2024

Grantor	Grantee			Sale Price	Sale Date	Inst Type		Terms of Sale		Liber & Page	Ve By	rified		Prcnt. Trans.
CONSUMERS ENERGY COMPANY 1015 LATSON ROAD		) LLC	C	1,200,000	04/23/2021	.021 CD		03-ARM'S LENGTH		2021R-024	206 BU	YER/SELLER		100.0
Property Address		Cla	ss: COMME	RCIAL-VACAN	T Zoning: (	GCD	Buil	ding Permit(s)		Date	Numbe	r S	tatus	
1015 S LATSON RD		Sch	ool: HOWE	LL PUBLIC S	CHOOLS		DEMO	)		11/05/201	0 W10-1	14 1	100%	
		P.R	R.E. 0%				COMM	IERCIAL BLDG		12/11/200			O STAI	RT
Owner's Name/Address		MAP	° <b>#:</b> V24−1	2			COMM	1 MISCEL		03/14/199	7 97-07	1 N	O STA	RT
1015 LATSON ROAD LLC 29200 NORTHWESTERN HWY STR	z 450			2025 E	St TCV Tent	ative								
SOUTHFIELD MI 48034	1 100		Improved	X Vacant	Land Va	lue Es	tima	tes for Land Tabl	Le 2003.GR	RAND RIVER	FRONTAG	TAGE		
			Public		Desertion	tion	<b>P</b> == -		Factors *	Doto 07	di Deci			
			Improvemen Dirt Road					ntage Depth Fro SQ. FT. 157731					1,577	/alue /,310
Tax Description SEC 4 & 9 T2N R5E BEG SW (			Gravel Ro						al Acres				1,577	
125 FT TH E 210 FT TH S 12 S 589.30 FT TH W 223 FT TH POB CONT. 3.621 AC M/L CON 04-300-004 & 09-100-003 CC Comments/Influences	H N 589.3 FT TO MB. 5/96 FROM		Paved Roa Storm Sew Sidewalk Water Sewer Electric Gas Curb Street Li Standard Undergrou Topography Site Level Rolling Low High Landscape Swamp Wooded Pond Waterfron Ravine Wetland	ghts Utilities nd Utils. y of d										
			Flood Pla	in	Year		Land Value			essed Value	Board of Review			Taxabl Valu
		Who	When	What	2025	Tenta	tive	e Tentative	Tenta	itive			Ter	ntativ
The Truckline Constitution	(-) 1000 0000	DR	12/30/20	10 INSPECTE	D 2024		3,700		788	,700			78	88,700
The Equalizer. Copyright Licensed To: Township of (					2023	788	3,700	0	788	,700			78	88,700
Livingston, Michigan	,				2022	788	3,700	0	788	,700			78	88,700

\*\*\* Information herein deemed reliable but not guaranteed\*\*\*

# GENOA CHARTER TOWNSHIP ZONING BOARD OF APPEALS February 20, 2024 - 6:30 PM

# **MINUTES**

<u>Call to Order</u>: Chairperson McCreary called the regular meeting of the Zoning Board of Appeals to order at 6:31 pm. The members and staff of the Zoning Board of Appeals were present as follows: Bill Rockwell, Craig Fons, Marianne McCreary, Jean Ledford and Kelly VanMarter, Township Manager. Absent was Michele Kreutzberg.

Pledge of Allegiance: The Pledge of Allegiance was recited.

Introduction: The members of the Board and staff introduced themselves.

Conflict of Interest: None

### Approval of the Agenda:

**Moved** by Board Member Ledford, supported by Board Member Rockwell, to approve the agenda as presented. **The motion carried unanimously.** 

# Call to the Public:

The call to the public was opened at 6:33 pm with no response.

1. 24-03...A request by Jacob Lubig of Ventures Design, 3910 Honors Bluff, for a rear yard setback variance and any other variance deemed necessary by the Zoning Board of Appeals to construct an addition to an existing home.

Mr. Lock Durrant and Mr. Jacob Lubig of Ventures Design were present.

Mr. Lubig stated they are requesting a variance to build a covered deck to replace the existing deck. The need for the variance is due to the property having a uniquely shallower rear yard than other homes in the neighborhood. The lot is also a trapezoid shape so the home was placed further back on the lot. Other properties in the area have covered decks so allowing this variance would provide the applicant with substantial justice. This would not have any negative effects on the public safety or welfare of the neighborhood.

Mr. Durrant stated he disagrees with the staff report. He reiterated the practical difficulty stated by Mr. Lubig, which is that the lot is a trapezoid shape. Additionally, the setbacks were set by the developer and then enforced by the township. The HOA has approved this project, with an even less setback than they are requesting. He presented an aerial map showing the tee boxes on the adjacent golf course, which cause many golf balls to be hit into the applicant's yard. Having the covered deck would shield them from this. It is a safety concern.

Chairman McCreary noted that there have been two previous rear yard variance requests for this property and they were denied. Also having golf balls hit into the yard should be expected when you choose to live on a golf course. Mr. Durrant stated that those two variances were also requested to protect them from the many golf balls being hit into their yard.

Board Member Rockwell noted that there is still part of the deck and a patio that is not covered so those areas will not be protected from golf balls.

Board Member Ledford noted that one of the criteria for approving a variance is to show a specific reason connected to the land. Mr. Durrant reviewed the aerial view map that shows the shape and narrow depth of the lot, and how the home had to be placed further to the rear of the lot to meet the side-yard setbacks. This is what is causing the hardship and practical difficulty with the property.

Board Member Fons stated that the lot existed before the house was built. A different, smaller house could have been built. He would consider approving this only because the new deck and roof is within the existing deck footprint.

Ms. VanMarter advised the Board that because this deck is covered, it should be considered an addition to the home, and not a deck. Mr. Lubig understands that the ordinance considers this an addition; however, it is not the same as a full building addition.

The call to the public was opened at 7:01 pm.

Mr. Brandon Bertrang with Ventures Design stated that building a house smaller could be applied to almost any variance request. This lot is the smallest in this zoning district.

The call to the public was closed at 7:04 pm.

**Moved** by Board Member Rockwell, supported by Board Member Fons, to deny Case #24-03 for Jacob Lubig of Ventures Design and Adam and Madison Cregar for 3910 Honors Bluff for a rear yard setback variance of 16 feet from the required 50 feet for a rear yard setback of 34 feet, based on the following findings of fact:

• Strict compliance with the rear yard setback would prevent the applicant from constructing a covered deck; however, it would not prevent the use of the property. Granting of the requested variance would not do substantial justice to the applicant as well as other property owners in the district. It is not necessary for the preservation and enjoyment of a substantial property right similar to that possessed by other properties in the same vicinity of the subject parcel.

Genoa Township Zoning Board of Appeals Meeting February 20, 2024 Unapproved Minutes

- There are no exceptional circumstances of the property. Although the lot is the smallest in the Oak Pointe Honors Subdivision, the home is larger than the average home in the neighborhood, which is a self-created condition by the original owner.
- The granting of therear yard variance should not impair an adequate supply of light and air to adjacent property or unreasonably increase the congestion in public streets or increase the danger of fire or endanger the public safety, comfort, morals or welfare of the inhabitants of the Township of Genoa.
- The proposed rear yard s variance would have little or no impact on the appropriate development, continued use, or value of adjacent properties and the surrounding neighborhood.
- The requested variance is not the least amount necessary.

# The motion carried unanimously.

Mr. Durrant questioned the reason for the denial, noting they could build a covered deck that will meet the ordinance. Board member Fons stated he voted against the request because they could build something similar to achieve the same goal without needing a variance.

2. 24-04...A request by Jon and Danielle Wlodarczak, 4183 Homestead Dr., for a side yard setback variance and any other variance deemed necessary by the Zoning Board of Appeals to install a whole house generator.

Mr. Wlodarczak stated the variance is necessary due to the non-conforming, narrow layout of the lot and the location of the home on the lot. Meeting the setback requirement would prohibit the installation of a whole home generator. It is the least necessary. There are numerous homes on Homestead Drive with generators and A/C units outside encroaching on the property line so this request is not unique. This would not have a negative effect on the surrounding neighborhood.

Ms. VanMarter stated there was confusion with regard to the variance request. The required setback for this feature is 36 inches off of the property line and the applicant is asking for the generator to be 16 inches off of the property line, which would be a variance of 20 inches.

Mr. Eric Osburn of Osburn Services, the generator contractor, stated that having a whole house generator is a safety issue. He noted that per the manufacturer's requirements, this is the only location where it can be placed.

A letter from the Township Utilities Director approved this location for the generator. An email was received from Jeff and Wanda Tanis of 4183 Homestead stating they have no issues with the variance request.

The call to the public was opened at 7:22 pm with no response.

Board Member Fons noted that a backup generator is a necessity. He visited the site and could not find another location where it could be located. Chairperson McCreary agrees. Board Member Rockwell stated that portable generators can be used without the need to put a permanent fixture on the property. Board member Fons noted that portable generators only work when someone is home to hook them up.

At this time, there was an outburst by Brandon Bertrang with Ventures Design where he accused the Board of being biased. He continued to disrupt the meeting, using the "f-word" multiple times. Chairperson McCreary asked him to leave. As he walked toward the door, he again used the "f-word" and walked out of the room.

There was a discussion regarding changing the ordinance for setbacks for mechanical units due to the increase in whole house permanent generator requests.

**Moved** by Board Member Rockwell, supported by Board Member Fons, to approve Case #24-04 for Jon and Danielle Wlodarczak of 4183 Homestead Drive for a side yard setback variance of 1 foot, 8 inches, from the required 3 feet, for a side setback of 1 foot, 4 inches to install a whole house generator, based on the following findings of fact:

- Strict compliance with the setback would cause the applicant to be unable to install the generator. There are other homes in the vicinity with reduced projections into the side yard with air conditioning units that support substantial justice and is necessary for the preservation and enjoyment of a substantial property right similar to that possessed by other properties in the same vicinity of the subject parcel.
- The exceptional or extraordinary condition of the property is the narrowness of the lot and it is a non-conforming lot in the LRR district.
- The granting of the variance will not impair an adequate supply of light and air to adjacent property or unreasonably increase the congestion in public streets or increase the danger of fire or endanger the public safety, comfort, morals or welfare of the inhabitants of the Township of Genoa.
- The proposed variance would have little impact on the appropriate development, continued use, or value of adjacent properties and the surrounding neighborhood. The direct neighbor is located 19 feet from the proposed location of the generator. In addition, staff received correspondence from the neighbor and they have no objections to the variance request.

This approval is conditioned upon the following:

- 1. Generator shall be sized to accommodate the connection of the grinder pump per recommendation by MHOG Utility Director.
- 2. The weekly test of the generator shall not be scheduled between 10:00 p.m. and 7:00 a.m. and must be in compliance with the Township Noise Ordinance.

# The motion carried unanimously.

3. 24-05...A request by Kristie Dennes, 6511 Forest Beach Dr., for a side yard setback variance and any other variance deemed necessary by the Zoning Board of Appeals to install a whole house generator.

Ms. Dennes stated that her lot is non-conforming for her zoning district so there is no location on her lot where the generator can be placed to meet the setbacks. The generator is proposed to be five feet from the lot line and eight feet from the house.

Ms. VanMarter stated that the requirement is to be 27 feet from the lot line and the applicant is requesting to be 5 feet from the property line, so it is a setback variance of 22 feet.

Mr. Osburn stated that due to the non-conforming lot width, any location on the property would require a variance. This location meets the requirements of the generator manufacturer. Ms. Dennes stated it will be placed in front of their home.

An email from Patrick Michael of 6517 Forest Beach Drive states he and his wife are in support of this variance request.

The call to the public was opened at 7:40 pm.

Mr. John Myers of 6505 Forest Beach Drive stated a generator is needed because they lose power in this neighborhood at least once a month for many days at a time.

The call to the public was closed at 7:41 pm.

**Moved** by Board Member Fons, supported by Board Member Rockwell, to approve Case #24-05 for Kristie Dennes of 6511 Forest Beach Drive for a side yard projection setback variance of 22 feet, from the required 27 feet, for a side yard projection setback of 5 feet to install a whole house generator, based on the following findings of fact:

- Strict compliance with the setback would cause the applicant to be unable to install the generator. While it does not unreasonably prevent use of the property, there are other homes in the vicinity with reduced side yard setbacks that would support substantial justice.
- The exceptional or extraordinary condition of the property is the narrowness of the lot and the non-conforming size in the LDR zoning district. The variance request is not self-created.
- The granting of the variance will not impair an adequate supply of light and air to adjacent property or unreasonably increase the congestion in public streets or increase the danger of fire or endanger the public safety.
- The proposed variance could have an impact on the appropriate development, continued use or value of adjacent properties and the surrounding neighborhood, but this is addressed in the above bullet point.

This approval is conditioned upon the following:

- 1. The weekly test of the generator shall not be scheduled between 10:00 p.m. and 7:00 a.m. and must be in compliance with the Township Noise Ordinance.
- 2. This generator cannot be used as a permanent source of power for the home.

The motion carried unanimously.

4. 4. 24-06...**REQUEST TO WITHDRAW** A request by Craig Sheffer, 855 Victory Dr., for a capacity variance for a fuel storage tank and any other variance deemed necessary by the Zoning Board of Appeals to allow 1,000 gallons of fuel storage.

**Moved** by Ledford, supported by Fons, to note that Case #24-06 has been requested to be withdrawn by the applicant. **The motion carried unanimously**.

5. 24-07...**REQUEST TO WITHDRAW** A request by John Cleary, 3820 Crystal Valley Dr., for a front yard setback variance and any other variance deemed necessary by the Zoning Board of Appeals to install a whole house generator.

**Moved** by Ledford, supported by Fons, to note that Case #24-07 has been requested to be withdrawn by the applicant. **The motion carried unanimously**.

# Administrative Business:

1. Approval of minutes for the January 23, 2024 Zoning Board of Appeals meeting.

Board Member Ledford noted one change needed.

**Moved** by Board Member Ledford, supported by Board Member Fons, to approve the minutes of the January 23, 2024 Zoning Board of Appeals meeting as corrected. **The motion carried unanimously.** 

2. Correspondence

Ms. VanMarter stated there are three cases scheduled for the March meeting.

Board Member Fons will not be in attendance at the March meeting.

3. Member Discussion

The Board discussed how whole-house, permanent generators will be addressed in the future as the requests for them have increased. Is this a property right or should the township ensure they are being installed properly and in the proper location. Ms. VanMarter is not sure an ordinance amendment is needed at this time; however, she will monitor the requests.

# 4. Adjournment

**Moved** by Board Member Ledford, supported by Board Member Fons, to adjourn the meeting at 7:59 pm. **The motion carried unanimously**.

Genoa Township Zoning Board of Appeals Meeting February 20, 2024 Unapproved Minutes

Respectfully submitted:

Patty Thomas, Recording Secretary