

Lou Bordeaux

From: Lou Bordeaux
Sent: Monday, June 17, 2024 1:06 PM
To:
Cc: Lou Bordeaux
Subject: public records response
Attachments: 2015 TOWN MEETING Abstract Minutes.pdf; james-rd-bridge.pdf; lot-line-adjustments.pdf

Good Afternoon Norm,

In response to your Public Records request, I have attached three documents to this email.

1. James Road bridge specs
2. Lot Line Adjustment permits for the period requested
3. Town Meeting minutes from February 28, 2015. See Article 14.

This closes this request.

Respectfully,

Lou Bordeaux

Town Manager

Town of Westminster
3651 US Route 5
Po Box 147
Westminster, VT 05158
802-722-4255
www.westminstervt.org



Philip J. Savoy, P.E., ME, HVAC, CSTB #473
Box 115
Westminster, Vermont 05158
Mechanical, Structural, HVAC,
Marine Consulting
Phone/fax (802) 722-9789
Email: savoyeng@hotmail.com

Savoy Engineering

April 24, 2023

To: Town of Westminster, VT

*From: Philip Savoy, P.E.
Savoy Engineering*

Attn: Chuck Lawrence, Road Foremen

Re: James Road Bridge Capacity Check

Attachments: Calculations

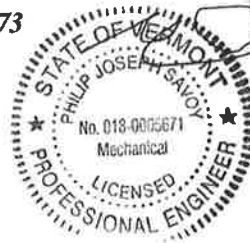
Chuck,

This bridge has four WF21x62 Beams spaced at 52 inches on center. The attached chart shows the heaviest vehicle possible. It would put 56,000 pounds at two points on the bridge. These loads would be distributed across the four beams. The attached calculations show the bridge is satisfactory for this loading. This load exceeds H-20 Loading.

Please contact me anytime with questions.


Thank You,

Philip J. Savoy, P.E. CSTB# 473



Project:
 Location: MLB0
 Multi-Loaded Multi-Span Beam
 Multi-Loaded Multi-Span Beam [2021 International Building Code(AISC 14th Ed
 A992-50 W21x62 x 20.0 FT
 Section Adequate By: 35.3%
 Controlling Factor: Moment

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| DEFLECTIONS | | Center |
|--|------|----------|
| Live Load | 0.32 | IN L/756 |
| Dead Load | 0.08 | in |
| Total Load | 0.40 | IN L/603 |
| Live Load Deflection Criteria: L/360 Total Load Deflection Criteria: L/240 | | |

| REACTIONS | | A | B |
|----------------|----------|----------|---|
| Live Load | 21250 lb | 21250 lb | |
| Dead Load | 5620 lb | 5620 lb | |
| Total Load | 26870 lb | 26870 lb | |
| Bearing Length | 1.12 in | 1.12 in | |

| BEAM DATA | | Center |
|------------------------|----|--------|
| Span Length | 20 | ft |
| Unbraced Length-Top | 0 | ft |
| Unbraced Length-Bottom | 20 | ft |

STEEL PROPERTIES
 W21x62 - A992-50

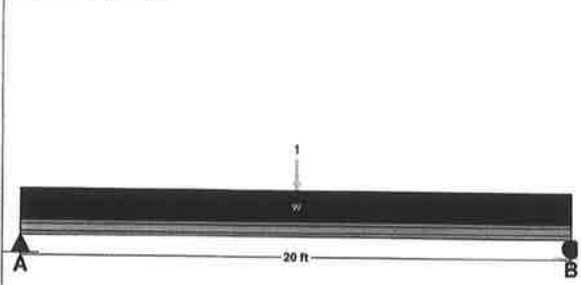
Properties:

| | | | |
|--|--------|--------|-----------------|
| Yield Stress: | Fy = | 50 | ksi |
| Modulus of Elasticity: | E = | 29000 | ksi |
| Depth: | d = | 21 | in |
| Web Thickness: | tw = | 0.4 | in |
| Flange Width: | bf = | 8.24 | in |
| Flange Thickness: | tf = | 0.82 | in |
| Distance to Web Toe of Fillet: | k = | 1.12 | in |
| Moment of Inertia About X-X Axis: | Ix = | 1330 | in ⁴ |
| Section Modulus About X-X Axis: | Sx = | 127 | in ³ |
| Plastic Section Modulus About X-X Axis: | Zx = | 144 | in ³ |
| Design Properties per AISC 14th Edition Steel Manual:ACI 318-19 | | | |
| Flange Buckling Ratio: | FBR = | 6.7 | |
| Allowable Flange Buckling Ratio: | AFBR = | 9.15 | |
| Web Buckling Ratio: | WBR = | 46.9 | |
| Allowable Web Buckling Ratio: | AWBR = | 90.55 | |
| Controlling Unbraced Length: | Lb = | 0 | ft |
| Limiting Unbraced Length - for lateral-torsional buckling: | Lp = | 6.25 | ft |
| Nominal Flexural Strength w/ safety factor: | Mn = | 359281 | ft-lb |
| Controlling Equation: | F2-1 | | |
| Web height to thickness ratio: | h/tw = | 46.9 | |
| Limiting height to thickness ratio for eqn. G2-2: h/tw-limit = | | 53.95 | |
| Cv Factor: | Cv = | 1 | |
| Controlling Equation: | G2-2 | | |
| Nominal Shear Strength w/ safety factor: | Vn = | 168000 | lb |

Controlling Moment: 265600 ft-lb
 10.0 Ft from left support of span 2 (Center Span)
 Created by combining all dead loads and live loads on span(s) 2
 Controlling Shear: -26870 lb
 At right support of span 2 (Center Span)
 Created by combining all dead loads and live loads on span(s)

| Comparisons with required sections: | Req'd | Provided |
|-------------------------------------|------------------------|----------------------|
| Moment of Inertia (deflection): | 633.04 in ⁴ | 1330 in ⁴ |
| Moment: | 265600 ft-lb | 359281 ft-lb |
| Shear: | -26870 lb | 168000 lb |

LOADING DIAGRAM



| UNIFORM LOADS | | Center |
|--------------------|----|--------|
| Uniform Live Load | 0 | plf |
| Uniform Dead Load | 0 | plf |
| Beam Self Weight | 62 | plf |
| Total Uniform Load | 62 | plf |

POINT LOADS - CENTER SPAN

| | |
|-------------|----------|
| Load Number | One |
| Live Load | 42500 lb |
| Dead Load | 10000 lb |
| Location | 10 ft |

Project:

Location: MLB0

Multi-Loaded Multi-Span Beam

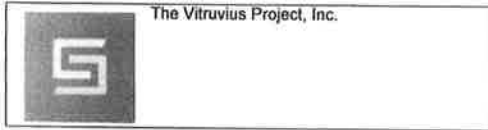
Multi-Loaded Multi-Span Beam [2021 International Building Code(AISC 14th Ed

92-50 W21x62 x 20.0 FT

Section Adequate By: 35.3%

Controlling Factor: Moment

LOADING DIAGRAM



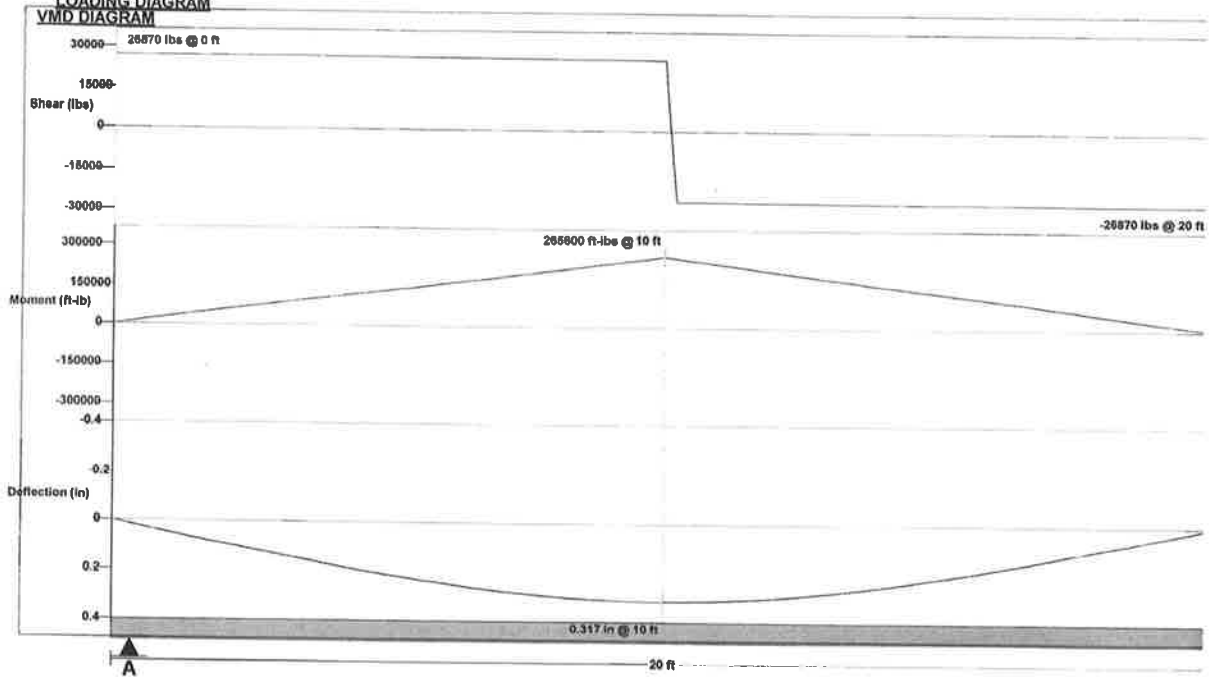
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Project:
 Location: MLB0, Load on each beam
 Multi-Loaded Multi-Span Beam
 Multi-Loaded Multi-Span Beam [2021 International Building Code(AISC 14th Ed
 A992-50 W21x62 x 20.0 FT
 Section Adequate By: 238.2%
 Controlling Factor: Moment

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| DEFLECTIONS | | Center |
|--|------|-----------|
| Live Load | 0.08 | IN L/3025 |
| Dead Load | 0.08 | in |
| Total Load | 0.16 | IN L/1502 |
| Live Load Deflection Criteria: L/180 Total Load Deflection Criteria: L/360 | | |

| REACTIONS | | A | B |
|----------------|-------|----|-------|
| Live Load | 5313 | lb | 5313 |
| Dead Load | 5620 | lb | 5620 |
| Total Load | 10933 | lb | 10933 |
| Bearing Length | 1.12 | in | 1.12 |

| BEAM DATA | | Center |
|------------------------|----|--------|
| Span Length | 20 | ft |
| Unbraced Length-Top | 0 | ft |
| Unbraced Length-Bottom | 20 | ft |

STEEL PROPERTIES
 W21x62 - A992-50

Properties:

| | | | |
|---|------|-------|-----------------|
| Yield Stress: | Fy = | 50 | ksi |
| Modulus of Elasticity: | E = | 29000 | ksi |
| Depth: | d = | 21 | in |
| Web Thickness: | tw = | 0.4 | in |
| Flange Width: | bf = | 8.24 | in |
| Flange Thickness: | tf = | 0.62 | in |
| Distance to Web Toe of Fillet: | k = | 1.12 | in |
| Moment of Inertia About X-X Axis: | Ix = | 1330 | in ⁴ |
| Section Modulus About X-X Axis: | Sx = | 127 | in ³ |
| Plastic Section Modulus About X-X Axis: | Zx = | 144 | in ³ |

Design Properties per AISC 14th Edition Steel Manual:ACI 318-19

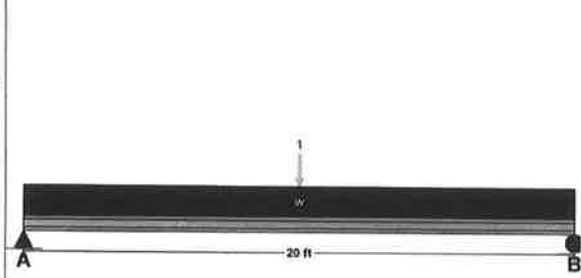
| | | |
|--|--------|--------|
| Flange Buckling Ratio: | FBR = | 6.7 |
| Allowable Flange Buckling Ratio: | AFBR = | 9.15 |
| Web Buckling Ratio: | WBR = | 46.9 |
| Allowable Web Buckling Ratio: | AWBR = | 90.55 |
| Controlling Unbraced Length: | Lb = | 0 |
| Limiting Unbraced Length - for lateral-torsional buckling: | Lp = | 6.25 |
| Nominal Flexural Strength w/ safety factor: | Mn = | 359281 |
| Controlling Equation: | F2-1 | |
| Web height to thickness ratio: | h/tw = | 46.9 |
| Limiting height to thickness ratio for eqn. G2-2: h/tw-limit = | | 53.95 |
| Cv Factor: | Cv = | 1 |
| Controlling Equation: | G2-2 | |
| Nominal Shear Strength w/ safety factor: | Vn = | 168000 |

Controlling Moment: 106225 ft-lb
 10.0 Ft from left support of span 2 (Center Span)
 Created by combining all dead loads and live loads on span(s) 2
Controlling Shear: -10933 lb
 At right support of span 2 (Center Span)
 Created by combining all dead loads and live loads on span(s)

| Comparisons with required sections: | Req'd | Provided |
|-------------------------------------|------------------------|----------------------|
| Moment of Inertia (deflection): | 318.75 in ⁴ | 1330 in ⁴ |
| Moment: | 106225 ft-lb | 359281 ft-lb |
| Shear: | -10933 lb | 168000 lb |

NOTES
 Load on each beam

LOADING DIAGRAM



| UNIFORM LOADS | | Center |
|--------------------|----|--------|
| Uniform Live Load | 0 | plf |
| Uniform Dead Load | 0 | plf |
| Beam Self Weight | 62 | plf |
| Total Uniform Load | 62 | plf |

| POINT LOADS - CENTER SPAN | |
|---------------------------|-------|
| Load Number | One |
| Live Load | 10625 |
| Dead Load | 10000 |
| Location | 10 |

Project:

Location: MLB0, Load on each beam

Multi-Loaded Multi-Span Beam

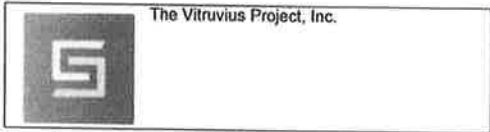
Multi-Loaded Multi-Span Beam [2021 International Building Code(AISC 14th Ed

92-50 W21x62 x 20.0 FT

Section Adequate By: 238.2%

Controlling Factor: Moment

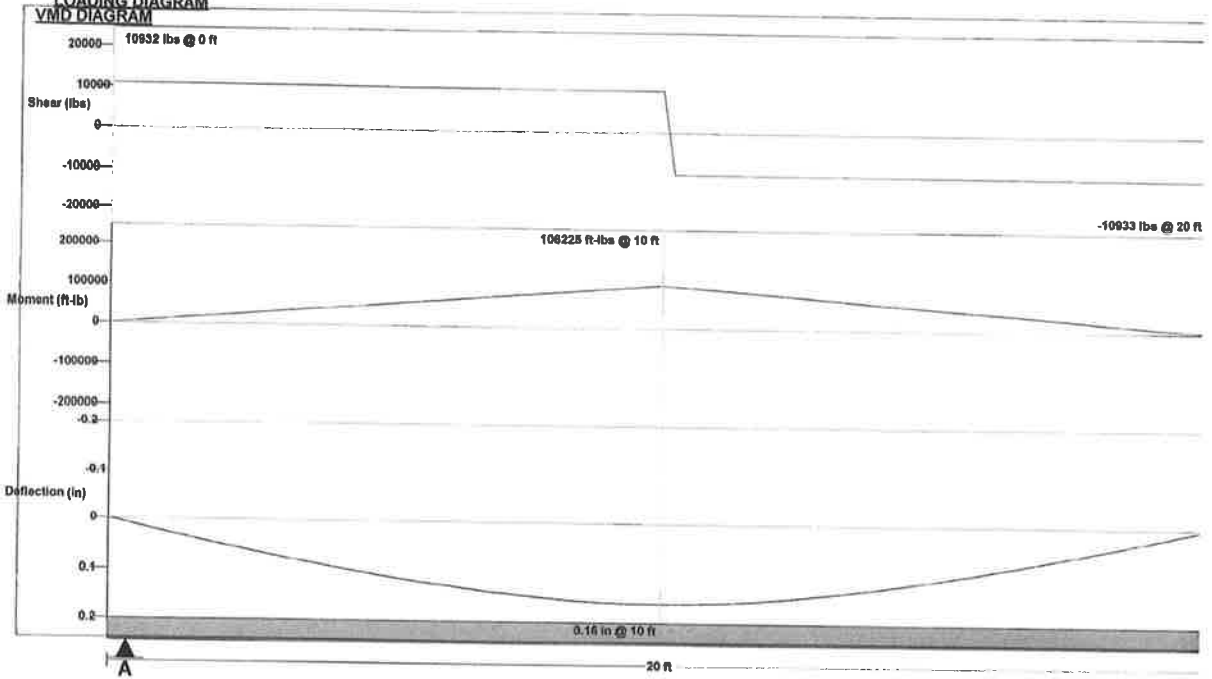
LOADING DIAGRAM



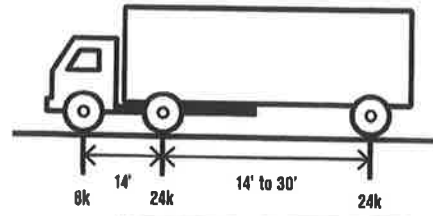
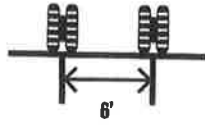
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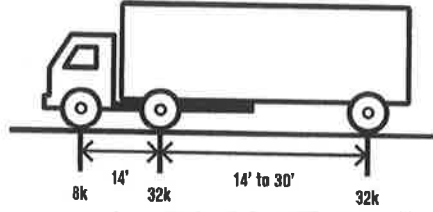
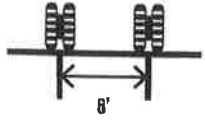
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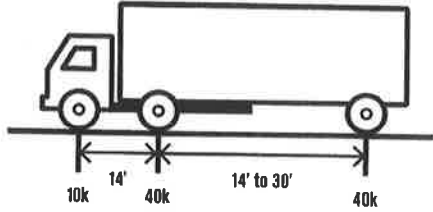
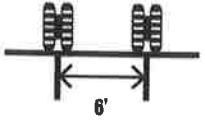
HS15-44
GVW 27 TONS



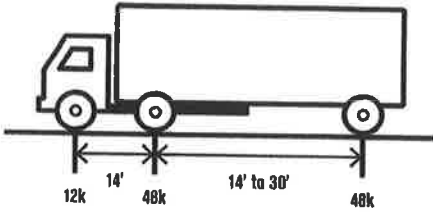
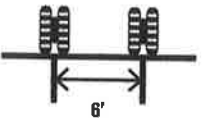
HS20-44
GVW 36 TONS



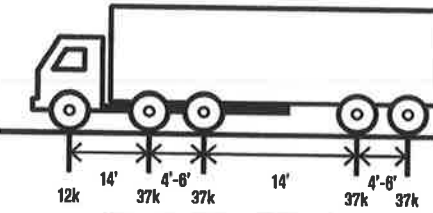
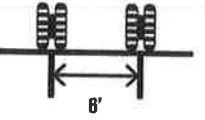
HS25-44
GVW 45 TONS



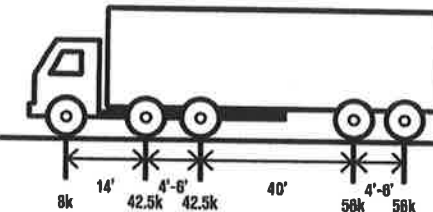
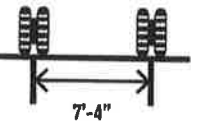
HS30-44
GVW 54 TONS



U80 OFF HWY.
GVW 80 TONS



U102 OFF HWY.
GVW 102.5 TONS



TOWN OF WESTMINSTER

ZONING PERMIT

VERMONT LAW REQUIRES THAT THIS PERMIT BE POSTED WITHIN VIEW OF THE PUBLIC RIGHT-OF-WAY CLOSEST TO THE PROPERTY FOR WHICH THE PERMIT IS ISSUED UNTIL THE END OF THE APPEAL PERIOD NOTED BELOW

Permit Number: 24-36
Owner: Kevin & Sarah Brennan
Applicant: Peter & Jeanne Bennett
Location: 160 Wright Way
Parcel Number: 010057.800
Construction Completion Date: 01/31/2026

COFY

Approved as Filed: Approved as Modified: Approved with Conditions:

Description:
Lot Line Adjustment

Date Issued: 06/10/2024

Effective Date: 07/10/2024

Signed Alison Bigwood, Zoning Administrative Officer

This permit will take effect upon the effective date unless an appeal is filed pursuant to Title 24, VSA Sections 4464, 4471, 4472, and 4475.

Appeal period 15 days 30 days from date of issue.

Any interested party may appeal the DRB's decision to the Environmental Court, in writing, within 30 days of the date of the decision, in accordance with 24 V.S.A. § 4471. Failure to appeal this decision within that period may limit one's right to challenge this decision in the future. This decision is binding pursuant to 24 V.S.A. § 4472 (d).

Warning: State permits may be required for this project. Call 802-885-8850 to speak to the state Permit Specialist before beginning construction.

New residences or new utility connections may require a new e911 designation. Call 802-722-9516.

TOWN OF WESTMINSTER

ZONING PERMIT

VERMONT LAW REQUIRES THAT THIS PERMIT BE POSTED WITHIN VIEW OF THE PUBLIC RIGHT-OF-WAY CLOSEST TO THE PROPERTY FOR WHICH THE PERMIT IS ISSUED UNTIL THE END OF THE APPEAL PERIOD NOTED BELOW

Permit Number: 24-31
Owner: Daniel Kissell Sr.
Applicant: Daniel Kissell Sr.
Location: 0 Pine Banks Road
Parcel Number: 015067.800
Construction Completion Date: 06/12/2026

COPY

Approved as Filed: Approved as Modified: Approved with Conditions:

Description:
Lot Line Adjustment

Date Issued: 05/13/24

Effective Date: 06/12/24

Signed Alison Bigwood, Zoning Administrative Officer

This permit will take effect upon the effective date unless an appeal is filed pursuant to Title 24, VSA Sections 4464, 4471, 4472, and 4475.

Appeal period 15 days 30 days from date of issue.

Any interested party may appeal the DRB's decision to the Environmental Court, in writing, within 30 days of the date of the decision, in accordance with 24 V.S.A. § 4471. Failure to appeal this decision within that period may limit one's right to challenge this decision in the future. This decision is binding pursuant to 24 V.S.A. § 4472 (d).

Warning: State permits may be required for this project. Call 802-885-8850 to speak to the state Permit Specialist before beginning construction.

New residences or new utility connections may require a new e911 designation. Call 802-722-9516.

TOWN OF WESTMINSTER ZONING PERMIT

VERMONT LAW REQUIRES THAT THIS PERMIT BE POSTED WITHIN VIEW OF THE PUBLIC RIGHT-OF-WAY CLOSEST TO THE PROPERTY FOR WHICH THE PERMIT IS ISSUED UNTIL THE END OF THE APPEAL PERIOD NOTED BELOW

Permit Number: 24-19
Owner: Aurelius DiBernardo
Applicant: Aurelius DiBernardo
Location: Off Route 121
Parcel Number: 003054.000
Construction Completion Date: 01/31/2026

COPY

Approved as Filed: Approved as Modified: Approved with Conditions:

Description:
Lot Line Adjustment (DiBernardo to Rogers .03 Acres)

Date Issued: 01/16/2024

Effective Date: 01/31/2024

Signed Alison Bigwood, Zoning Administrative Officer

This permit will take effect upon the effective date unless an appeal is filed pursuant to Title 24, VSA Sections 4464, 4471, 4472, and 4475.

Appeal period 15 days 30 days from date of issue.

Any interested party may appeal the DRB's decision to the Environmental Court, in writing, within 30 days of the date of the decision, in accordance with 24 V.S.A. § 4471. Failure to appeal this decision within that period may limit one's right to challenge this decision in the future. This decision is binding pursuant to 24 V.S.A. § 4472 (d).

Warning: State permits may be required for this project. Call 802-885-8850 to speak to the state Permit Specialist before beginning construction.

New residences or new utility connections may require a new e911 designation. Call 802-722-9516.

TOWN OF WESTMINSTER ZONING PERMIT

VERMONT LAW REQUIRES THAT THIS PERMIT BE POSTED WITHIN VIEW OF THE PUBLIC RIGHT-OF-WAY CLOSEST TO THE PROPERTY FOR WHICH THE PERMIT IS ISSUED UNTIL THE END OF THE APPEAL PERIOD NOTED BELOW

Permit Number: 23-31
Owner: Kissell Farm Revocable Trust
Applicant: Cynthia Tucker
Location: 508 Pine Banks Rd
Parcel Number: 015067.000
Construction Completion Date: 07/05/2025

Approved as Filed: Approved as Modified: Approved with Conditions:

Description:
Minor Subdivision & Boundary Line Adjustment

Date Issued: 06/20/2023

Effective Date: 07/05/2023

Signed Alison Bigwood, Interim Zoning Administrative Officer

This permit will take effect upon the effective date unless an appeal is filed pursuant to Title 24, VSA Sections 4464, 4471, 4472, and 4475.

Appeal period 15 days 30 days from date of issue.

Any interested party may appeal the DRB's decision to the Environmental Court, in writing, within 30 days of the date of the decision, in accordance with 24 V.S.A. § 4471. Failure to appeal this decision within that period may limit one's right to challenge this decision in the future. This decision is binding pursuant to 24 V.S.A. § 4472 (d).

Warning: State permits may be required for this project. Call 802-885-8850 to speak to the state Permit Specialist before beginning construction.

New residences or new utility connections may require a new e911 designation. Call 802-722-9516.

2015 ANNUAL TOWN MEETING

February 28, 2015

Abstract of Minutes

The annual meeting of the Town School District, Town and Town Fire District #3 was held at the Bellows Falls Union High School Auditorium. Approximately 414 people were present.

The 2015 Citizen of the Year Award was presented to Beverly Major.

Article 1: Elected all Town Officers required by law and the vote of the Town (on March 3, 2015)

Number of names on the checklist: 2285

Number voting: 654

Results of Australian Ballot voting:

Town Moderator- Fletcher D. Proctor

School Moderator-Fletcher D. Proctor

Fire District Moderator- Fletcher D. Proctor

Town Clerk 3 yr. term - Alison Bigwood

Town Treasurer 3 yr. term – Alison Bigwood

Selectman, 3 yr. term- K. Sheldon Beebe

Selectman, 2 yr. term- Craig Allen

Lister-Vacant

Grand Juror (2) - Peter McH. Stamm, vacant

Town Agent- Fletcher D. Proctor

Commissioner, Campbell Fund (3) – M. Ellen Jones, Ila Mitchell, Karen Walter

Trustee, Campbell Fund, 3 yr. term – Michael S. Fawcett

School Director, 3 yr. term – Elise Manning (376), John Sciacca (253)

School Director, 2 yr. term – David Major (357), Molly Banik (281)

UHSD #27 Director – David M. Clark

Fire District #3 Prudential Cmte – Christopher J. Hackett

UHSD #27 Budget – Passed (Yes 440, No 147)

River Valley Technical Center Budget – Passed (Yes 428, No 169)

Article 2: Voted to accept the reports of the Town School District Officers.

Article 3: Voted to authorize and instruct its School Directors and Treasurer to borrow money, if necessary, on the credit of the Town School District for its current expenses in anticipation of the collection of taxes and receipt of money due from state aid.

Article 4: Voted to pay Town School District Board Chair \$1100 per year, other Town School District Board members \$800 per year and the Town School District Clerk \$125 per District meeting.

Article 5: Voted to raise \$4,937,812.09 for the maintenance of Westminster Schools for the period July 1, 2015 through June 30, 2016.

Article 6: Voted to not adopt its budget article or articles by Australian ballot.

Article 7: Transacted non-binding business. Comments:
Dan Axtell was thanked for his years of service on the Town School Board.

- Article 8:** Voted to accept the reports of the Town Officers.
- Article 9:** Voted to raise and appropriate the sum of \$130,000 for the Town Highway Equipment Reserve Fund.
- Article 10:** Voted to raise and appropriate the sum of \$15,000 for the Bridge Rehabilitation Reserve Fund.
- Article 11:** Voted pursuant VSA § 3832(7) to exempt from taxation for a period of five (5) years, the real estate of the Westminster Aqueduct Society.
- Article 12:** Voted pursuant to 32 VSA § 3840 to exempt from taxation for a period of five (5) years, the real estate of the Westminster Fire District #3.
- Article 13:** Voted pursuant to 32 VSA § 3832(7) to exempt from taxation for a period of five (5) years, the real estate of the Westminster Recreation Club, Inc.
- Article 14:** Voted to postpone indefinitely to purchase a parcel of land located off Goldies Road in Westminster for the purpose of supplying the Town with stone aggregate for the highway department at a sum of \$130,000 for approximately 53.4 acres.
- Article 15:** Voted to approve general fund expenditures of \$1,910,711 for the period July 1, 2015 through June 30, 2016, of which \$1,535,341 will be raised by taxes and \$375,370 by non-tax revenues.
- Article 16:** Transacted non-binding business. Comments:
- . Nate Stoddard thanked for his service as Selectman.
 - . Road Crew thanked for their hard work.
 - . Green Up Day in May- Woody Fuller will Chair again.
 - . Community Improvement Funds are available. Woody resigned from that committee.
 - . Asked for approved minutes on the Town web-site
 - . Thank you to the microphone runners.
- Article 17:** Voted to accept the reports of the Town Fire District #3
- Article 18:** Voted to authorize the Prudential Committee and Treasurer to borrow money, if necessary, to meet current expenses on the credit of the Fire District in anticipation of the collection of taxes and/or the receipt of any federal funds.
- Article 19:** Voted to raise and appropriate the sum of \$242,750 to pay the indebtedness and other general expenses of the Fire District for the period of July 1, 2015 through June 30, 2016. Also to move from the Capital Reserve fund the sum of \$175,000 to purchase a water tank truck.
- Article 20:** Transacted non-binding business. Comments:
- Chief Cole Streeter thanked for his kindness and being a benefit to the Town.
Thanks to all Firemen and their families.
Special thank you to Luke and Diane Bazin for their generous donation.