

copy

Appeal Period Expires 8/8/08
Zoning District I-1

Town of Essex, Vermont
Application for Zoning Permit
www.essex.org

Application Date 6/22/2007
Permit Number 2008-91

All construction is to be completed in accordance with the Town of Essex Zoning Regulations and any/all federal or state regulations now in effect. You are required to post this permit in a conspicuous location on the property and it must remain posted throughout the construction period.

Any interested person may appeal the decision of the Zoning Administrator to the Zoning Board of Adjustment within fifteen (15) days of the permit's date of issuance. Commencing construction within this fifteen (15) day appeal period is prohibited by law.

Occupancy of the premises shall not take place until a Certificate of Occupancy is obtained.

Approval is subject to accuracy of information provided by the applicant.

A Parcel Account Numb. (Map-Parcel-Lot) 2-009-003-013
(found in Town Assessor's Office)
Property Address: 1 Tu-cotte Rd Essex VT
Owner: Joseph F Kim Rotunda, III
Owner Address: _____
Owner Phone: (work) 878-9012 (home) 899-5137
(cell) _____ (Email) _____
Contractors name: Connor Contracting Phone: 223-3843
1100 US Rte 2 Cell: _____
Berlin, VT
Estimated Construction Dates: Start: 10/15/07 Completion: 7/1/08
Sq. Feet: 2150 Estimated Cost (labor & materials): \$100,000

G

Check box(es) which describe proposed use or construction (circle choice in parenthesis).
N = New A = Addition R = Remodel

<i>Residential:</i>	N	A	R
Single Family	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Two-family (duplex)(other)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-family	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condominium / Townhouse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mobile home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Inclusions or Additions:</i>			
Garage (attached) (detached)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Porch (enclosed) (open)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deck	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool (in) (above) ground	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Barn (residential) (agriculture)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Non-residential:</i>			
(Commercial / Industrial)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>Stormwater:</i>			
Stormwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Erosion Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Other:</i>			
Change in use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Miscellaneous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Renewal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

B Sewage Disposal (Please attach Sewer or Septic Application).
Public Private Connection Fee \$ 0 Date Paid: 1/1
Proposed New Bedrooms: 0 Existing Bedrooms 0

C Water (Please attach Water Service Application).
Public Private Fee \$ 0 Date Paid: 1/1

D Driveway (Please attach copy of approved Curbcut / Utility Application).
Date of approval 5/22/07 See attached curbcut

E Stormwater
 Project disturbs an area greater than or equal to 1 acre – Erosion Control Permit Required. Attach completed permit application. *done*
 Project creates new or expands existing impervious surface greater than or equal to 1/2 acre – Erosion Control Permit and Stormwater Management Permit required. Attach completed permit application.

F Diagram – Show a sketch of project on reverse of this application with property lines, building, and setbacks or attach separate sheet. (Instruction sheet available upon request.)
To be constructed pursuant to Planning Commission approval # PC: 2007-29

G Signature of Owner [Signature]

Office Use Only

Fees:	Type	Amount	Date Pd
	Permit	\$ <u>300</u>	<u>7/24/08</u>
	School	\$ _____	<u>1/1</u>
	Recreation	\$ _____	<u>1/1</u>
	Recording	\$ <u>16.00</u>	<u>7/21/08</u>
	C.O. Other	\$ <u>75</u>	<u>7/21/08</u>

Approved Rejected Date 7/24/08
Issued to: Joseph E. & Kimberly M Rotunda, III
Zoning Administrator: Shawn L. Kelley
Notes: applicant received site permit however requested to complete process for town permit construction done - (after the fact permit)
C.O. Required Yes No

THIS PERMIT VALID FOR TWELVE (12) MONTHS FROM DATE OF ISSUE

(web) 012508

Planning & Zoning Informat

Applicant:

Joe & Kim Rotunda
Rotunda's Auto Body
P.O. Box 8386
Essex, VT 05451

Zoning District: I-1 Industrial

Coverages:

Project: 0.95 acres = 41,382 sq. ft.
Existing Building Coverage: 8,700 sq. ft.
Existing Parking: 14,087 sq. ft. paved and
total = 33.9% total (gravel + pave
23.6% of parking in 50' s
(3,322 sq. ft. / 14,087)

Existing Total Lot Coverage: (8,700 sq. ft. + 14,087 sq. ft. = 22,787 sq. ft. / 41,382 sq. ft. = 55.1%)

Proposed Building Coverage: 8,700 + 2,100 sq. ft. = 10,800 sq. ft.

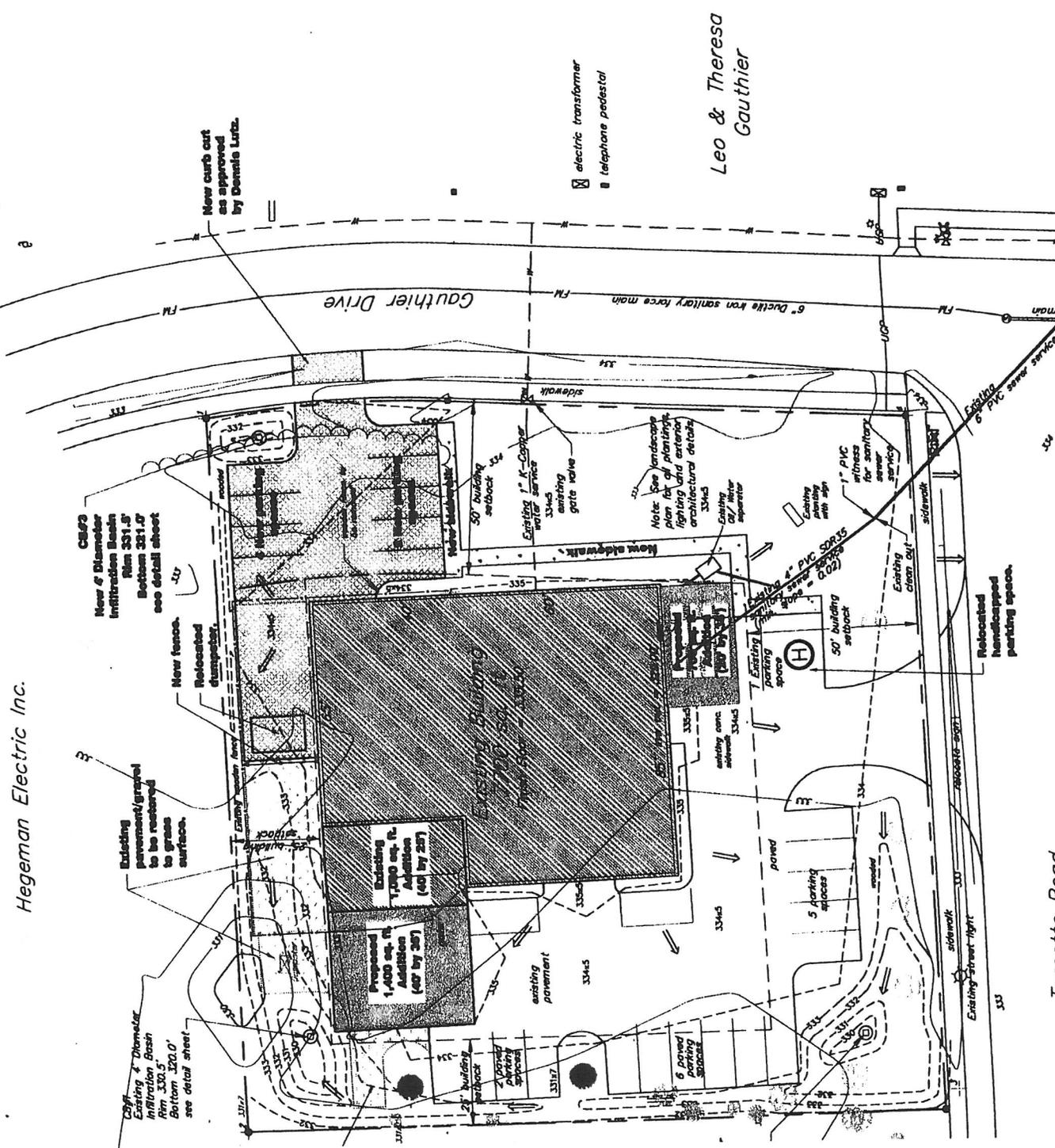
Proposed Parking: 13,470 sq. ft. paved and
total = 32.6% total (gravel + pave
43.1% of parking in 50' s
(5,800 sq. ft. / 13,470)

Proposed Sidewalk = 821 sq. ft.

Proposed Total Lot Coverage: (10,800 sq. ft. + 13,470 sq. ft. + 820 sq. ft. = 25,090 sq. ft. / 41,382 sq. ft. = 60.6%)

Legend

- Concrete manhole
- Iron pipe flange
- Utility pole
- Water shut off
- Water line gen
- Hydrant
- Sign
- Property line
- Existing curbs
- New finish curbs
- Existing Meter
- New Meter
- Gravity sanitary
- Pressurized sanitary
- Temporary In
- Drainage flow
- New spot elev
- Existing build



Hegeman Electric Inc.

Leo & Theresa Gauthier

Turcotte Road

TOWN OF ESSEX, VERMONT
APPLICATION FOR CURB CUT / UTILITY PERMIT

ROTUNDA
1 Turcotte

Pursuant to Title 19 V.S.A. Section 43. Application for Curb Cut and Utility Installation in Town Right-of-Way.

All applications for curb cuts and utility installations shall be submitted to the Director of Public Works/Town Engineer for review. Applicants shall submit the information requested on this form and any additional information requested by the Director of Public Works /Town Engineer for a clear understanding of this application. The permit is issued under authority of the Town Manager in accordance with Section 601 of the Town Charter and 24 V.S.A. paragraph 1236 (2)

Application No. _____ / _____
Date

Property Address: 1 Turcotte Owner Name: Joe & Kim Rotunda
Owner Address: P.O. Box 213 Underhill etc VT 05490 Phone Number - (w) 878-9012 (h) 899-5137

Town Tax Map # Block 4 Sq 2944 Parcel # 15139

Application is for: (check one)

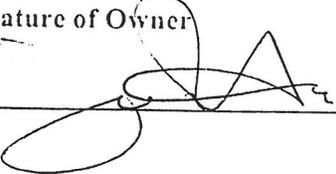
A) New Curb Cut B) Utility Installation: Overhead Underground

Please use attached diagram to describe location and type of installation.

Comments by Director of Public Works/Town Engineer:

Culvert: Yes No Water Bar(s): Yes No
Culvert Size: _____ Total Length of Culvert: _____
Diameter (18 inch minimum) (30 foot minimum)

**** FOR OFFICE USE ONLY ****

Signature of Owner


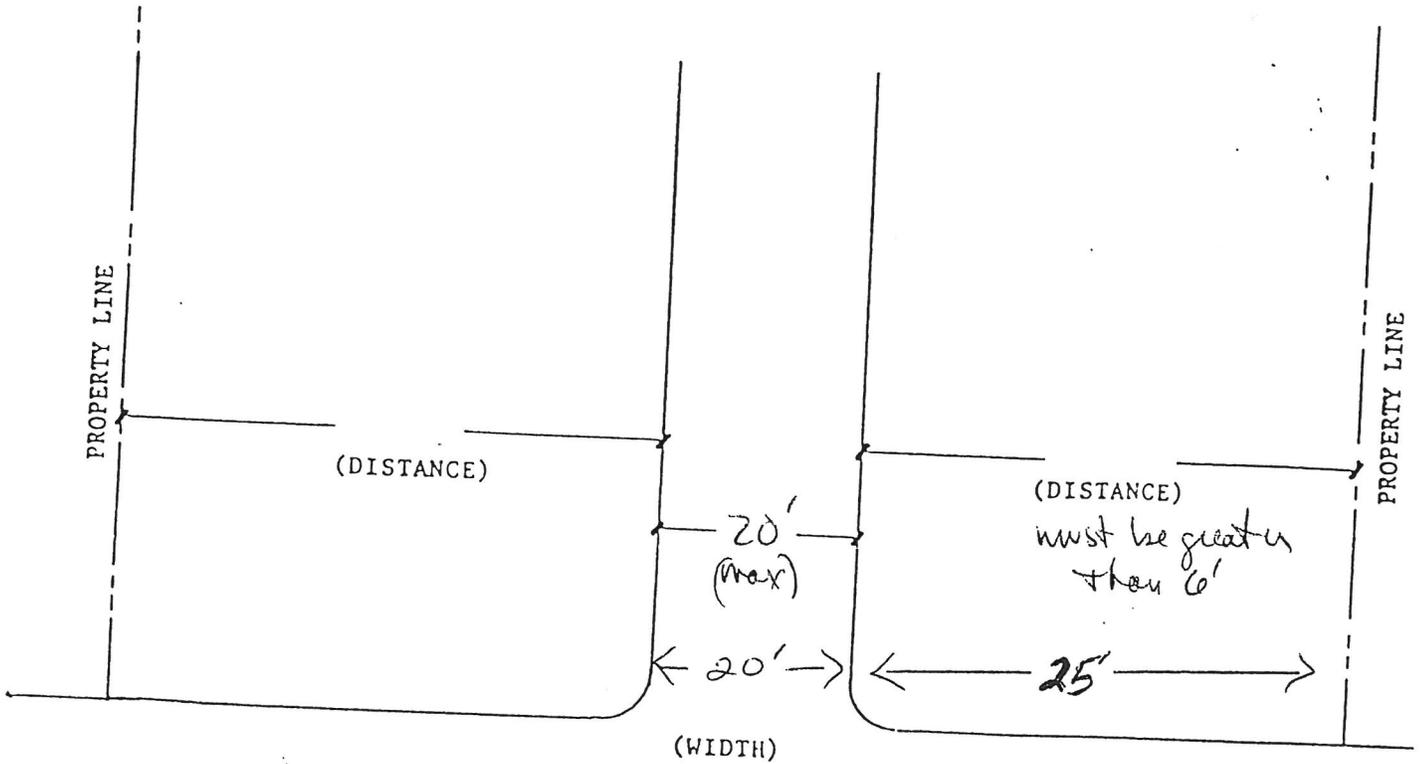
Fee Paid NA
Approved: Rejected Date 22 May 2007


Per Authority of the Town Manager by the Director of Public Works/Town Engineer

1. Culvert must be HIGH DENSITY POLYETHYLENE (HDPE) PIPE
2. Culvert will be purchased by Applicant
3. Culvert will be purchased and installed by the applicant. The Town of Essex Department of Public Works will inspect.

Note: A MINIMUM OF 24 HOURS NOTICE IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION. WITHIN 24 HOURS OF COMPLETION, THE APPLICANT IS REQUIRED TO NOTIFY THE DIRECTOR OF PUBLIC WORKS/TOWN ENGINEER FOR INSPECTION PURPOSES.

copy



Gauthier DR
STREET NAME

Comments and / or special instructions from Director of Public Works / Town Engineer:

1. width of commercial drive to be 20'
2. no portion of driveway to be within 6' of neighbors property.
3. driveway to be paved within limits of road right of way
4. any damage to sidewalk to be fixed by applicant

NOTE: A MINIMUM OF 24 HOURS IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION. WITHIN 24 HOURS OF COMPLETION, THE APPLICANT IS REQUIRED TO NOTIFY THE DIRECTOR OF PUBLIC WORKS / TOWN ENGINEER FOR INSPECTION PURPOSES.



**VERMONT DEPARTMENT OF PUBLIC SAFETY
DIVISION OF FIRE SAFETY**

Electrical & Fire Alarm Work Notice

Return this application to the appropriate Regional Office:
 5 Perry Street, Suite 200, Barre, VT 05641-4271; Phone: 802-479-4434
 56 Howe Street, Building A, Suite 200, Rutland, VT 05701; Phone: 802-786-5867
 100 Mineral Street, Suite 307, Springfield, VT 05156-3168; Phone: 802-885-8883
 372 Hurricane Lane, Suite 102, Williston, VT 05495-2080; Phone: 802-879-2300
Office of the State Fire Marshal & Fire Academy - www.vtfiresafety.org

Department Use Only

Site No. 205157
 EWN# EM12044
 Date Paid 1/9/08
 Check # 4
 Amount 50.00

LOCATION INFORMATION

Name of Building/Site: Rotonda Motel
 Physical Location: 1 Turcott Rd Essex Jct 05452
 (9-1-1 Address) Number and street name, city/town, zip code
 Name of Lessee: SAME
 (if business)
 Building Owner Name: _____
 Owner Mailing Address: _____
 (Number and street name or PO Box, city/town, zip code)
 Owner Phone #: 878-9012
 Explain the use of the building: Body shop Auto If residential, number of units: _____
 Provide a description of the work: New Lighting - Rec - Misc. Elec
 Job Start Date: Jan 1 08 Projected Finish Date: Jan 30 - 08

RECEIVED

JAN 08 2008

**DIVISION OF FIRE SAFETY
WILLISTON OFFICE**

ELECTRICIAN INFORMATION

Name of Electrician: Steve Griffiths License Number: EM 3632
 License Expiration Date: 3-31-05
 Name of Company: Northwest Elec
 Mailing Address: 51 Sleepy Hollow Rd Essex Jct 05452
 (Number and street name or PO Box, city/town, zip code)
 Electrician Contact Number(s): 922-1655 Electrician's Signature: Steve Griffiths

FIXTURES	FEE	QUANTITY	AMT DUE
Temporary Service	\$30.00 ea	X	
Permanent Service (1 & 2 Phase through 400 amp)	\$35.00 ea	X	
Permanent Service (401 amp through 800 amp)	\$50.00 ea	X	
Permanent Service (801 amp and larger)	\$100.00 ea	X	
Transformers, 1 - 25 KVA	\$10.00 ea	X	
Transformers, 26 - 75 KVA	\$15.00 ea	X	
Transformers, 76 - 200 KVA	\$25.00 ea	X	
Transformers, over 200 KVA	\$35.00 ea	X	
Motors and Generators, Up to 25 hp, KW, or KVA	\$10.00 ea	X	
Motors and Generators, 26 - 100 hp, KW, or KVA	\$15.00 ea	X	
Motors and Generators, over 100 hp, KW, KVA	\$25.00 ea	X	
Sub Panels and Feeder after the main disconnect	\$10.00 ea	X	
Lights, Outlets, Switches, Single-Station Smoke Detectors	\$20.00 per 50	X	20.00
Yard Lights and Signs	\$5.00 ea	X	
Fuel Oil, Kerosene, LP, NG, and Gasoline Pumps	\$15.00 ea	X	
Boiler, Furnace, Control Device & Stationary Appliances	\$10.00 ea	X	
Elevators	\$75.00 ea	X	
Platform Lifts	\$40.00 ea	X	
Fire Alarm Devices	\$30.00 per 50	X	
Fire Alarm Main Panel and Annunciator Panels	\$50.00 ea	X	
Fire Pumps	\$50.00 ea	X	
Base Fee, Except for 1 & 2 Family Residential Dwellings	\$30.00 ea	X	30.00
TOTAL FEE			<u>50.00</u>

The fees assessed for electrical and fire alarm work notices are set forth in the "State of Vermont Electrical Safety Rules", pursuant to 26 V.S.A. § 893(a).

There is a minimum fee of \$35.00 for each re-inspection for code violations.

This application must be filled out completely. Incomplete forms will not be processed.

A separate work notice must be filed for each building.

Payment must be included at the time of submission.

Fire Alarm installation requires a plan review submittal, construction permit application and fee, prior to installation.



**Division of Fire Safety
Williston Regional Office**
372 Hurricans Lane, Suite 102
Williston, VT 05495-2080
www.vtfiresafety.org

[phone] 802-879-2300
[fax] 802-879-2312

Department of Public Safety

November 1, 2007

Michael Connor
Connor Contracting Inc.
278 South Main Street
St. Albans, VT. 05478

Re: Rotunda Auto Body, Gauthier Road, Essex Junction, Vermont

State Construction Permit

Project Description: 1360 sq. ft. building addition

Site#: 35957

Number of Stories: 1

Footprint (ft²): 9560

Construction Type: 2B

Occupancy Type: S1

Occupancy Load:

The plans received on October 29, 2007 were reviewed for the above project on November 1, 2007. This review was conducted under the 2005 Vermont Fire & Building Safety Code. The erection of the new addition to the existing building is permitted in accordance with the following conditions:

1. The National Electrical Code, 2005 Edition, the International Building Code, 2003 Edition, the Life Safety Code - NFPA Standard Number 101, 2003 Edition, and the Uniform Fire Code - NFPA Standard Number 1, 2003 Edition, will apply to this project.
2. The premises must be accessible to and usable by persons with disabilities, in accordance with Americans with Disabilities Act, Public Law 101-336, the Vermont accessibility law adopted in July, 1996 (21 V.S.A. Sections 271 - 277), and The Vermont Access Board Rules dated January 12, 1998. In particular, the installation of any door on the premises must have a width of three feet, and must be equipped with lever type door hardware.
3. Adequate fire extinguishers must be installed on the premises in a visible location in accordance with NFPA Standard Number 10, 2002 Edition.

Central Office: 1311 U.S. Route 302, Suite 600 (Berlin) Barre, VT 05641-2351 (802) 479-7561



Regional Offices - Barre/Rutland/Springfield/Williston

Vermont Fire Academy - Pittsford

4. The live snow load used in the design of the roof of the new addition must be not less than 40 pounds per square foot.

5. The thickness of any concrete floor slab supported directly on the ground must be not less than 3 ½ inches. A 6-mil polyethylene vapor retarder with joints lapped not less than 6 inches should be placed between the base course or subgrade and the concrete floor slab or other equivalent method or material should be used to retard vapor transmission through the floor slab. (Section 1911.1 of the International Building Code, 2003 Edition).

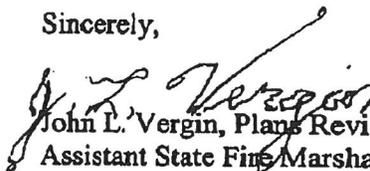
6. This approval applies only to the information listed on your drawings and specifications, and does not apply to any violations that our field inspector may find on the premises in the course of his inspections.

7. An exit sign must be installed at any required exterior exit door in the new addition.

This plan review does not cover all aspects of the electrical system for the building. Accordingly, you must also submit a work notice to the Electrical Inspector for your area.

The completed project must be in accordance with the 2005 Vermont Fire & Building Safety Code, and is also subject to final inspection and approval of the project by the Fire Prevention Safety Officer for your area. Accordingly, pursuant to the provisions of Section 1.7.11 of NFPA Standard Number 1, 2003 Edition, you must request an inspection of this project prior to the owner's desire to occupy or use the building.

Sincerely,


John L. Vergin, Plans Review Chief
Assistant State Fire Marshal
Department of Public Safety
Division of Fire Safety
Williston Regional Office

Cc: Chris A. Boyd, Assistant State Fire Marshal



VERMONT DEPARTMENT OF PUBLIC SAFETY
DIVISION OF FIRE SAFETY
OFFICE OF THE STATE FIRE MARSHAL & FIRE ACADEMY

CONSTRUCTION PERMIT

BUILDING NAME: Roconda Auto Body

PROJECT NAME: New building addition

ADDRESS: Gauthier Road
Essex Junction, Vermont

SITE NUMBER: S-35987 - P-264303

AUTHORIZATION NUMBER: P-1143323

DATE ISSUED: November 1, 2007

BY: John L. Vergin
ASSISTANT STATE FIRE MARSHAL

CONDITIONS:

THIS PERMIT MUST BE POSTED AT THE BUILDING SITE
IN A CONSPICUOUS LOCATION OPEN TO PUBLIC VIEW

Regional Office

Barre 802-249-4100 • Burlington 802-760-8167 • South Burlington 802-249-2827 • Williston 802-271-2400

Appendix C1

Storm-Water Management Permit

Administrative Data:

- 1. Applicant Name: JOE + KIM ROTUNDA (ROTUNDA'S COLLISION CENTER, INC)
(Person or corporation to whom the permit will be issued)
- 2. Legal Entity: CORPORATION
(Individual, corporation, partnership, firm, other)
- 3. Mailing Address: P.O. BOX 213, UNDEWILL CTR, VT 05490
- 4. Contact: SCOTT THOMAS, KREBS + LANSING Telephone: 878-0375
(Person to contact regarding the application) Fax: 878-9618

Attachments:

- a) A storm-water management plan
- b) An erosion and sediment control permit
- c) A proposed long-term maintenance agreement
- d) A non-refundable permit application fee

Permit Fee:

A flat permit fee of \$300 shall be paid at time of final application, if no Town erosion control permit is required. If an erosion control permit is required, the \$300 flat fee portion of the storm-water permit shall be waived. An additional fee of \$100 per acre of impervious surface shall be paid at the time of permit application, whether or not an erosion control permit is required. All permit fees once paid are not refundable.

Applicant Certification:

I, JOE ROTUNDA, hereby certify that the application as submitted is accurate to the best of my knowledge, and that I will take all steps necessary to comply with the storm-water management plan as submitted or as required as a condition of approval by the Town.
(Name of Applicant)

[Handwritten Signature]
(Signature of Applicant)

9.6.07
(Date)

- Approved as submitted
- Approved with conditions as attached

approved - per Aaron Martin

(Town of Essex Representative)

(Date)

**STORMWATER MANAGEMENT PLAN
JOE & KIM ROTUNDA AUTO BODY SHOP
Gauthier Drive, Essex, Vermont**

We have performed a stormwater collection and treatment design for the Joe & Kim Rotunda Auto Body Shop expansion located on Gauthier Drive in Essex. The system has been designed to be in compliance with Town of Essex Stormwater Ordinance.

The existing site consists of an 8,700 square foot (s.f.) building with an associated 14,087 s.f. of associated impervious surface from parking lots and sidewalks. U.S. Soil Conservation Service mapping indicates that the soils on the site are Adams and Windsor loamy sands, which are classified as Type "A" soils indicating a high permeability and a low existing potential for stormwater runoff. Stormwater runoff from the site is currently directed to four foot diameter infiltration basins in the northwest and southwest corners of the site. The basins are set in low spots allowing for temporary ponding if necessary. Site visits during storm events show that the vast majority of runoff infiltrates into the soil prior to the occurrence of any ponding on the site.

The proposed site plan includes two new building additions, a new parking area, and a new sidewalk. The building additions are proposed in areas that are currently paved abutting the northwest and southeast corners of the existing building. The new parking lot will be accessed from Gauthier Drive in the northeast corner of the lot. The sidewalk will run along the east side of the existing building and will serve to connect the existing and proposed parking areas. An area of existing pavement and gravel along the northerly property line of the project will be removed as part of the project. The net addition of impervious surface is 2,303 s.f. for a total of 25,090 s.f., or 0.58 acres.

In order to treat runoff from the proposed parking lot and sidewalk, a new infiltration area has been designed east of the existing building. Stormwater runoff will flow north to south across the new parking lot and enter the infiltration basin via sheet flow. A 20 foot wide vegetated filter strip has been designed to provide pre-treatment of runoff prior to infiltration. Runoff from the new sidewalk will be directed to the infiltration basin as well. The bottom of the basin will be approximately 500 square feet, and there will be two feet of freeboard. We have used a conservative permeability rate of 3 inches/hour in our model. This rate has been confirmed by on site testing and is less than half of the published permeability of 6.3 inches/hour for Adams and Windsor loamy sands.

Our stormwater runoff model shows the infiltration area proposed will be able to infiltrate up to the 25 year, 24 hour storm event with little surface ponding. For the 25 year, 24 hour storm event water rises to an elevation of only 333.04 feet, from a base elevation of 332.75 feet. By providing a stormwater system that infiltrates all runoff from new impervious surfaces, we believe the project meets the intent of the Town of Essex Stormwater Ordinance.

Rotunda Auto Body Shop Expansion Post Development Infiltration Basin Schematic



Job File: C:\HAESTAD\PPKW\94136\ROTUNDA.PPW
Rain Dir: C:\HAESTAD\PPKW\RAINFALL\

=====
JOB TITLE
=====

Rotunda
Post Development Infiltration Study

S/N:

PondPack Ver: 7.0 (325)

Compute Time: 16:24:42

Date: 09-05-2007

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 Executive Summary (Links) 1.02

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***** CN CALCULATIONS *****

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***** RUNOFF HYDROGRAPHS *****

ROT1..... 25

 SCS Unit Hyd. Summary 4.01

***** POND VOLUMES *****

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INF1..... Pond Infiltration Calcs 6.01

S/N:

PondPack Ver: 7.0 (325)

Compute Time: 16:24:42

Date: 09-05-2007

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Pond E-V-Q Table 6.02

S/N:

PondPack Ver: 7.0 (325)

Compute Time: 16:24:42

Date: 09-05-2007

Type.... Network Calcs Sequence
Name.... Watershed
File.... C:\HAESTAD\PPKW\94136\ROTUNDA.PPW
Storm... TypeII 24hr Tag: 25

Page 1.03
Event: 25 yr

NETWORK RUNOFF NODE SEQUENCE

```

=====
Runoff Data          Apply to Node          Receiving Link
=====
SCS UH Rot1          Subarea ROT1          Add Hyd ROT1
=====

```

S/N:

PondPack Ver: 7.0 (325)

Compute Time: 16:24:42

Date: 09-05-2007

Type.... SCS Unit Hyd. Summary
Name.... ROT1 Tag: 25
File.... C:\HAESTAD\PPKW\94136\ROTUNDA.PPW
Storm... TypeII 24hr Tag: 25

Page 4.01
Event: 25 yr

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 3.8500 in
Rain Dir = C:\HAESTAD\PPKW\RAINFALL\
Rain File -ID = SCSTYPES.RNF - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = C:\HAESTAD\PPKW\94136\
HYG File - ID = - ROT1 25
Tc = .1000 hrs
Drainage Area = .170 acres Runoff CN= 67

=====
Computational Time Increment = .01333 hrs
Computed Peak Time = 11.9467 hrs
Computed Peak Flow = .25 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 11.9500 hrs
Peak Flow, Interpolated Output = .25 cfs
=====

DRAINAGE AREA

ID:ROT1
CN = 67
Area = .170 acres
S = 4.9254 in
0.2S = .9851 in

Cumulative Runoff

1.0536 in
.015 ac-ft

HYG Volume... .015 ac-ft (area under HYG curve)

***** UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .10000 hrs (ID: None Selected)
Computational Incr, Tm = .01333 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 1.93 cfs
Unit peak time Tp = .06667 hrs
Unit receding limb, Tr = .26667 hrs
Total unit time. Tb = .33333 hrs

S/N:

PondPack Ver: 7.0 (325)

Compute Time: 16:24:42

Date: 09-05-2007

