Town of Middlesex, Vermont

Permit Fee: $35 **Application for Driveway/Access Permit**

Landowner's Name: _____Phone:_____

Mailing Address: _____

The undersigned requests a driveway/access permit to allow construction of an access to serve the owner's property located on the _____side of Town Highway #_____ also known as_____Road. The proposed access will be located approximately_____feet/miles from the intersection of this road to _____Road.

Proposed project is to: ☐ Construct a new access ☐ Change an existing access

The current land use is ☐ Residential ☐ Conservation ☐ Industrial ☐ Other (Explain)

Permit Requirements

1. A detailed site plan which depicts the following must accompany this application: (1) the exact placement of any work or digging within the Town right-of-way, (2) length and width of construction project, (3) correct sight distances for posted speeds. (See B-71 Sight distance chart)
2. All work must be completed within one (1) year from the date of this permit. If, within the period of said year, work is not completed, the permit shall be considered void and the application process, with all associated fees, must start again.
3. Permit site plan should meet all necessary factors set in place by VTrans Standard B-71, unless conditions at the site do not permit compliance, as determined by the Middlesex Road Foreman/Road Commissioner.
4. All requirements set by VTrans Standard B-71 shall be checked by Road Foreman/Commissioner upon initial inspection.
5. Ground stakes marking access boundaries must be in place and a site visit by the Road Foreman/Commissioner is needed to approve initial access.

This permit is issued in accordance with Title 19, Section 111 of the Vermont Statutes Annotated and with the understanding that construction shall comply with all applicable Federal, State, and local laws and regulations and with any directions, restrictions or conditions listed below. Violations shall be corrected by the landowner in a timely manner or the Town shall have the right to revoke the application for non-compliance, or make the necessary changes the cost of which shall be borne by the landowner. Violations may also be subject to penalties and fines prescribed by law. This permit shall be effective only for the current land use and any change in land use shall require a new permit.

Access construction may begin only after an initial inspection is made and approved by Road Foreman / Commissioner and shall be completed within one (1) year from the date of permit issuance. **Applicant shall notify the Road Foreman/Commissioner when work is completed**. Final approval will be subject to final inspection for acceptance by an authorized Town agent. In the case of new construction, building may not begin until the access is completed, inspected, and approved. This permit will be effective upon compliance with such requirements as are applicable and continue in effect for as long as the present use continues. Violations are subject to penalties set forth in Title 10, Section 1111(a)(b)(j) VSA of fines not less than $100 nor more than $10,000 for each violation.

Has the proposed access been flagged (i.e., marked) at the site? ☐ Yes ☐ No

Site must be flagged before the application will be considered.

Applicant or Applicant Agent Signature:_____Date:_____

Town of Middlesex, Vermont

TO BE COMPLETED BY ROAD FOREMAN/COMMISSIONER:

Initial Site Inspection Completed By: _____ **Date:**_____

Road Foreman/Commissioner Comments:_____
_____
_____

Permit Approval or Denial

☐ **Denied** Reason:_____
_____
_____

Approval to Proceed: Upon receipt of this permit, you are authorized to proceed with the project in accordance with the conditions, specifications and restrictions, including Road Foreman/Commissioner recommendations, contained in this document and any attachments to this document. Approval is granted only for the work described in this application and must be performed as directed. The Permit Holder shall be responsible for all damages to persons and/or property due to or resulting from any work allowed under this permit. The Permit Holder shall defend, indemnify and hold harmless the Town of Middlesex and its officers, agents, and employees from all suits, actions or claims of any character, name and description brought on account of any injuries or damages sustained by any person or property, including all costs or expenses to defend against such suits, actions or claims.

Road Foreman/Commissioner Signature:_____**Date:**_____

Select Board Signature:_____**Date:**_____

Final Site Requirements

The final construction site should consist of the following requirements:

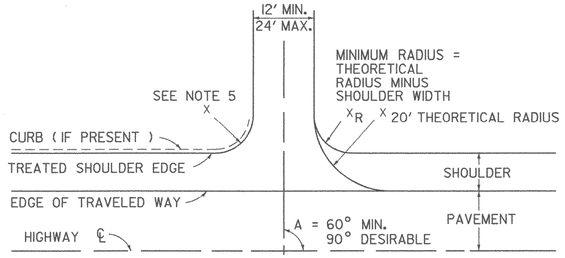
1. Minimum culvert size must be 30' in length and 15" in diameter. Road Foreman/Commissioner shall explain if larger culvert size is necessary.
2. Culvert inlet and outlet shall be installed with wing walls consisting of a minimum of 1'or larger diameter stones or equivalent retaining device. This is so water and other forms of deterioration do not inhibit either inlet or outlet or cause erosion to the driveway or Town Roadway.
3. Culvert depth, site distance, driveway slope/grade, radius, and widths are to follow requirements set by VTrans Standard B-71 and shall be installed in a method as to not inhibit the Town's Roadway. (Please See Attached VTrans B-71 Standard)

Final Inspection Completed By:_____and was approved on this _____day of _____ 20____.

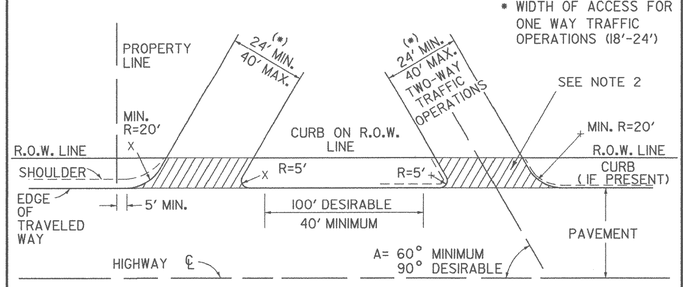
Signature of Final Approval:_____Date:_____

This permit was revoked for the following reasons:_____
_____
_____

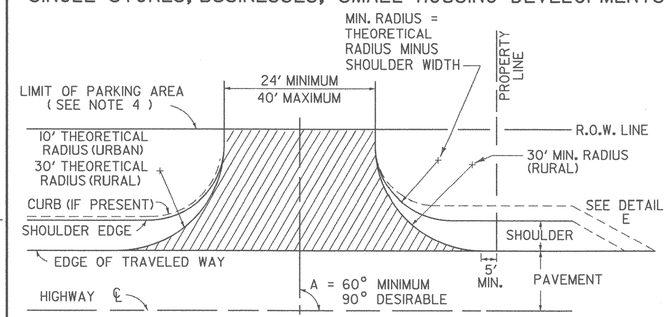
DETAIL A — RESIDENTIAL DRIVE



DETAIL B — DUAL COMMERCIAL DRIVE TO BE USED ONLY UNDER SPECIAL CONDITIONS

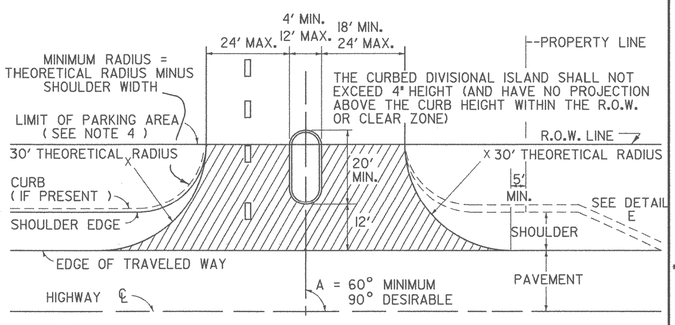


DETAIL C — TWO-WAY UNDIVIDED COMMERCIAL DRIVE FOR SINGLE STORES, BUSINESSES, SMALL HOUSING DEVELOPMENTS

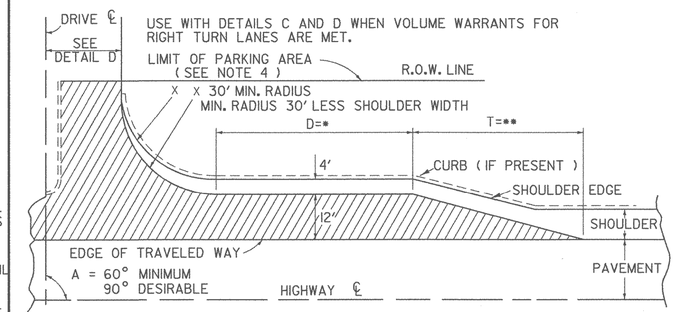


THIS DETAIL WILL ALSO APPLY TO COMMERCIAL SERVICE DRIVES, WHEN AUTHORIZED, HAVING A MAXIMUM WIDTH OF 20'. THE SERVICE DRIVE WILL HAVE A "SERVICE VEHICLES ONLY" SIGN PLACED AT THE HIGHWAY ROW LINE. SIGN SHALL BE 18"X 24" AS PRESCRIBED IN THE "STANDARD HIGHWAY SIGNS BOOK", A SUPPLEMENTAL PUBLICATION TO MUTCD.

DETAIL D — TWO-WAY COMMERCIAL DRIVE WITH DIVISIONAL ISLAND FOR SHOPPING CENTERS, LARGE HOUSING DEVELOPMENTS, INDUSTRIAL PLANTS AND SERVICE STATIONS



DETAIL E — RIGHT TURN LANE FOR COMMERCIAL DRIVE (UNSIGNALIZED INTERSECTIONS ONLY)

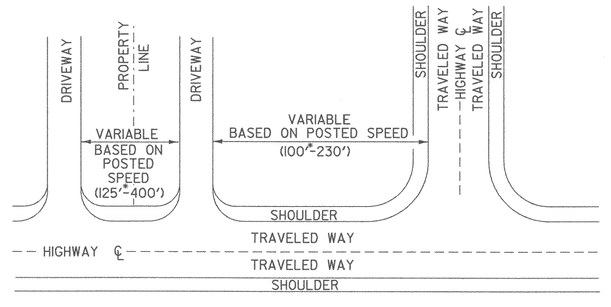


* STORAGE LENGTH IS VARIABLE DEPENDING ON TRAFFIC VOLUME AND MUST BE ADJUSTED TO PROVIDE PROPER DECELERATION LENGTH. REFER TO VAOT STANDARD E-192

TAPERS

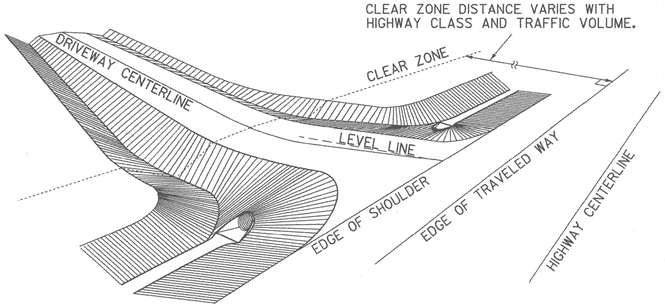
SPEED (MPH)	30	35	40	50
**LENGTH (MIN)(FT)(T)	100	120	140	180
RATE	8:1	10:1	12:1	15:1

DETAIL F — MINIMUM HORIZONTAL SEPARATION BETWEEN DRIVEWAYS AND INTERSECTING SIDEROADS

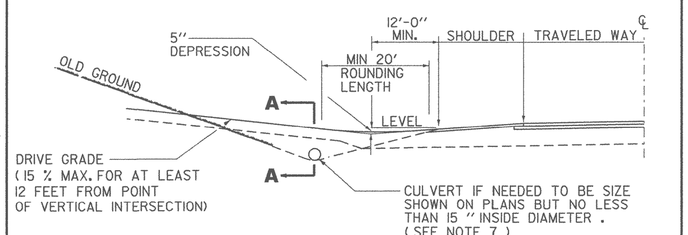


* MINIMUM UNLESS NO OTHER REASONABLE ACCESS IS AVAILABLE AND PRIOR APPROVAL IS GRANTED BY THE VAOT ITEMS SUCH AS TRAFFIC SIGNALS, HIGH TRAFFIC VOLUMES, OR FUNCTIONAL CLASS OF HIGHWAY SHOULD BE CONSIDERED WHEN DETERMINING APPROPRIATE SEPARATION DISTANCE. WHEN CURRENT RECOMMENDED SEPARATION DISTANCE CANNOT BE OBTAINED RESTRICTION OF TURNING MOVEMENTS MAY BE REQUIRED.

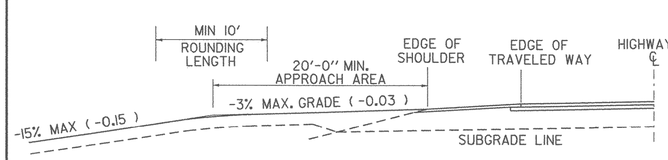
DETAIL G — PERSPECTIVE SKETCH OF DRIVE INTERSECTION SHOWING DEPRESSION



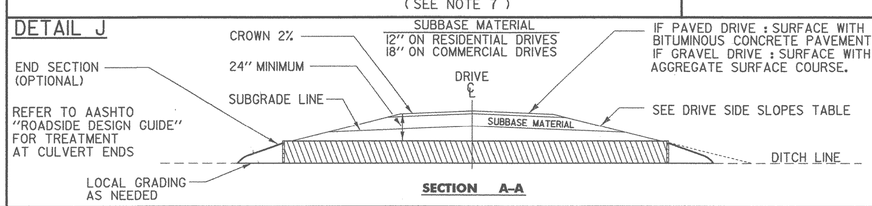
DETAIL H — PROFILE OF DRIVE INTERSECTION SHOWING 5" DEPRESSION (CUT SECTION)



DETAIL I — PROFILE OF DRIVE INTERSECTION (FILL SECTION)



DETAIL J



DRIVE SIDE SLOPES

LOCATION OF SLOPE	SLOPE RATE
V > 40 MPH	1:6 OR FLATTER
URBAN AREAS, OR V ≤ 40 MPH	1:4 DESIRABLE 1:2 ALLOWABLE
OUTSIDE CLEAR ZONE	1:2 OR FLATTER

NOTES:

1. THIS SHEET IS INTENDED FOR USE BY DESIGNERS ON HIGHWAY PROJECTS AND IN CONJUNCTION WITH A PERMIT FOR WORK WITHIN HIGHWAY RIGHTS OF WAY (FORM TA 210). ALL CONSTRUCTION REQUIRED BY THE PERMIT AND INDICATED ON THIS SHEET SHALL BE THE RESPONSIBILITY OF THE APPLICANT AND IS SUBJECT TO THE APPROVAL OF THE VT. AGENCY OF TRANSPORTATION. WHEN USED WITH THE PLANS FOR A HIGHWAY CONSTRUCTION PROJECT. THIS SHEET IS INTENDED TO BE A GUIDE FOR THE DESIGNER CONCERNING DRIVE WIDTHS, HORIZONTAL, VERTICAL AND GEOMETRIC CHARACTERISTICS.
2. ALL COMMERCIAL DRIVES SHALL BE PAVED FROM THE EDGE OF THE TRAVELED WAY TO THE HIGHWAY RIGHT-OF-WAY, TO THE FARTHEST POINT OF CURVATURE ON THE DRIVEWAY EDGE OR AS DIRECTED BY THE DISTRICT TRANSPORTATION ADMINISTRATOR. THIS PAVING IS INDICATED IN DETAILS (B THRU E) BY HATCHING.
3. DEPTH OF SUBBASE AND PAVEMENT TO BE THE SAME AS HIGHWAY OR AS SHOWN IN DETAIL J WITHIN THE LIMITS OF THE HIGHWAY RIGHT-OF-WAY.
4. VEHICULAR ACCESS FROM PARKING AREAS TO THE RIGHT-OF-WAY AT OTHER THAN APPROVED ACCESS POINTS WILL BE PREVENTED BY THE CONSTRUCTION OF CURBING OR OTHER SUITABLE PHYSICAL BARRIER.
5. IF CURB IS PRESENT, SEE APPROPRIATE CURB DETAIL STANDARD OR MATCH TOWN/CITY STANDARD CURB TREATMENT.
6. WHERE TRAFFIC VOLUME FOR A PROJECT IS SUBSTANTIAL THE AGENCY MAY REQUIRE SPECIAL LANES FOR TURNING, SIGNALS OR OTHER MODIFICATIONS. BASED ON TRAFFIC STUDIES THE AGENCY WILL DETERMINE SPECIFIC TREATMENT TO BE USED. ON DEVELOPER PROJECTS THE AGENCY WILL WORK WITH THE APPLICANT TO IMPLEMENT CHANGES TO THE STATE HIGHWAY.
7. CIRCULAR DRAINAGE CULVERTS UNDER DRIVES SHALL HAVE A MINIMUM INSIDE DIAMETER (I.D.) OF 15". PIPE ARCHES USED UNDER DRIVES SHALL HAVE A MINIMUM INSIDE CROSS-SECTIONAL AREA EQUIVALENT TO THAT PROVIDED BY A 15" CIRCULAR PIPE.
8. THE OFFSET BETWEEN THE PROPERTY LINE AND THE EDGE OF THE DRIVEWAY MAY BE GOVERNED BY LOCAL ZONING LAWS. DRIVEWAY WIDTH RESTRICTIONS SHOWN PERTAIN ONLY TO THE AREA WITHIN THE HIGHWAY R.O.W. OR THE END OF THE TURNING RADIUS WHICHEVER IS GREATEST.
9. DRIVEWAY GRADES STEEPER THAN THOSE SHOWN MAY BE ALLOWED AS LONG AS A 20' APPROACH AREA IS ACHIEVED FOR THE VEHICLE TO PAUSE BEFORE ENTERING THE HIGHWAY. (WHERE CURB & SIDEWALKS EXIST, SEE STANDARDS C-2A & C-2B)
10. INTERSECTION SIGHT DISTANCES, EQUAL TO OR GREATER THAN THOSE SHOWN BELOW, SHOULD BE PROVIDED IN BOTH DIRECTIONS FOR ALL DRIVES ENTERING ON PUBLIC HIGHWAYS, UNLESS OTHERWISE APPROVED BY THE AGENCY OF TRANSPORTATION. INTERSECTION SIGHT DISTANCE IS MEASURED FROM A POINT ON THE DRIVE AT LEAST 15 FEET FROM THE EDGE OF TRAVELED WAY OF THE ADJACENT ROADWAY AND MEASURED FROM A HEIGHT OF EYE OF 3.5 FEET ON THE DRIVE TO A HEIGHT OF 3.50 FEET ON THE ROADWAY.

SIGHT DISTANCE CHART

POSTED SPEED OR DESIGN SPEED (M.P.H.)	MINIMUM STOPPING SIGHT DISTANCE (FT)	MINIMUM INTERSECTION SIGHT DISTANCE * (FT)
25	155	280
30	200	335
35	250	390
40	305	445
45	360	500
50	425	555
55	495	610
60	570	665
65	645	720

THE ABOVE VALUES ARE TAKEN FROM THE 2004 AASHTO "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS."

NOTE : ADVANCE WARNING SIGNS WILL BE REQUIRED IF OBTAINABLE INTERSECTION SIGHT DISTANCES ARE BELOW MINIMUM STOPPING SIGHT DISTANCES.

THE CHART IS ENTERED TO SELECT DESIGN VALUES BASED ON THE POSTED SPEED LIMIT IN MPH. VALUES FOR DESIGN ARE CALCULATED BASED ON THE DESIGN SPEED IN MPH.

* ASSUMES A GAP OF 7.5 SECONDS IN THE TRAFFIC STREAM ON THE HIGHWAY MAINLINE BASED ON THE HIGHWAY DESIGN SPEED IN MPH. THIS ALLOWS A STOPPED PASSENGER VEHICLE TO ENTER THE MAINLINE FROM THE DRIVE WITHOUT UNDULY INTERFERING WITH THE HIGHWAY OPERATIONS.

REVISIONS AND CORRECTIONS

DEC. 11, 1992 - THIS STANDARD SUPERCEDES B-71 (7/23/80R), B-71A (3/12/90), AND B-13 (12/14/71).
JUNE 1, 1994 - REISSUED, WITHOUT CHANGE, UNDER NEW SIGNATURES.
MAR. 10, 1995 - REISSUED, WITHOUT CHANGE, UNDER NEW SIGNATURES.
NOV. 16, 2000 - CHANGES MADE TO CONFORM WITH LANGUAGE AND DIMENSIONS IN ACCESS MANAGEMENT PROGRAM GUIDELINES.
FEB 1, 2004 - CHANGES MADE TO SIGHT DISTANCE CHART TO CONFORM WITH NEWEST AASHTO CRITERIA.
JULY 8, 2005 - CHANGE MADE TO OBJECT HEIGHT TO CONFORM WITH NEWEST AASHTO CRITERIA

APPROVED

Richard Tetreault
DIRECTOR OF PROGRAM DEVELOPMENT

Craig S. Keller
CHIEF OF UTILITIES AND PERMITS

Michael Cameron
FEDERAL HIGHWAY ADMINISTRATION

STANDARDS FOR RESIDENTIAL AND COMMERCIAL DRIVES

VERMONT AGENCY OF TRANSPORTATION

STANDARD B-71