

PLANNING
COMMISSION
EXHIBIT #50

OLD SAYBROOK ROAD REGULATIONS

SECTION 130

CONSTRUCTION OF DRIVEWAYS

130A - PERMIT REQUIREMENTS

130A.1 Purpose

The purpose for establishing regulations governing the construction of driveways serving private property is to maintain the physical integrity of existing Town Roads; to protect the public from adverse situations that may otherwise endanger their health, safety and welfare; and, to establish basic standards for providing access by emergency service vehicles.

130A.2 General

A driveway or access road serving private property and intersecting with a town or private road shall be constructed in such a manner that it does not interfere with the existing drainage, movement of traffic, or removal of snow from the abutting road. No person, firm or corporation shall conduct work or make improvements of any kind within a town road or associated right-of-way, including but not limited to clearing, excavating or grading, until a permit has been obtained from the Director of Public Works or his authorized agent at least seventy-two (72) hours prior to the commencement of any work. A driveway or access road serving private property and intersecting with a State road or roadway within an adjacent town (i.e. Squaw Brook Road) shall meet the standards of the applicable governing authority. Driveways serving more than one lot shall conform to the standards established in this section, except as may otherwise be required by the Old Saybrook Subdivision Regulations.

130A.3 Application

Application for an Encroachment Permit shall be made on forms provided by the Director of Public Works and shall be accompanied by a sketch or drawing showing the proposed work to be done. The sketch or drawing shall be in sufficient detail to facilitate an inspection of the work by Town personnel. The Director of Public Works may require the submission of detailed plans, specifications and other engineering data with the application when he shall deem it to be necessary. No permits shall be issued

unless all proposed work conforms to the requirements outlined in this section and the attached Standard Detail Drawings.

130A.4 Application Fees, Certificate Of Insurance & Driveway Completion Bond

Application fees, in an amount prescribed on the most current Town Fee Schedule, shall be submitted with all applications. In addition, prior to final approval of the Encroachment Permit, a Certificate of Insurance conforming to current town requirements with respect to the types of coverage and limits of liability, and a Driveway Completion Bond in the amount determined by the Director of Public Works, shall be submitted. **No Encroachment Permit shall be issued until the application fee has been paid, and the Certificate of Insurance and Driveway Completion Bond received.**

130A.5 Driveway Completion Bond

A Driveway Completion Bond shall be provided to the Town of Old Saybrook to ensure that all work is completed within a one hundred eighty (180) calendar day period or at the end of any subsequent extension of time granted by the Director of Public Works. Driveway Completion Bonds shall be in the form of a certified check in an amount as indicated in the Town Fee Schedule.

Should the owner fail to complete the driveway improvements within the one hundred eighty (180) calendar day time period beginning on the date of issuance of an Encroachment Permit, or at the end of any subsequent extension of time granted by the Director of Public Works, the bond shall be forfeited, and the Town shall utilize the funds to complete the required work. Any excess funds remaining after completion of the improvements shall accrue to the Town of Old Saybrook.

130A.6 Completion Time

All proposed construction work shall be completed within one hundred eighty (180) calendar days after the date of issuance of the Encroachment Permit unless an extension of time is granted by the Director of Public Works, upon written request by the owner for such extension, and for good cause shown. Any such extension of time shall be limited to a maximum additional period of one hundred eighty (180) calendar days. No extensions of time shall be permitted beyond three hundred sixty (360) calendar days from the date of issuance of an Encroachment Permit.

130A.7 Repair of Pre-existing Driveways

The Permit Requirements and Driveway Criteria included within this section are not intended to preclude the routine maintenance, repair, or reconstruction of driveways constructed prior to the adoption of these regulations. As such, the Director of Public Works may, at his or her discretion, waive any Permit Requirement and Driveway Criteria included within Sections 130A and 130B respectively, except that the application required in Section 130A.3 shall be submitted.

130A.8 Inspection

All construction work covered by an Encroachment Permit shall be subject to the inspection and approval of the Director of Public Works or his authorized representative. It is the responsibility of the owner to notify the Director of Public Works at least seventy-two (72) hours prior to any paving of a driveway or driveway apron so that an inspection can be made of the base materials and driveway or driveway apron grade. If in the opinion of the Director of Public Works or his authorized representative there is some question if the driveway or driveway apron exceeds the maximum grades permitted in this section, then it is the responsibility of the owner to retain the services of a licensed land surveyor to prepare a profile based on an actual field survey. Any driveway or driveway apron that is not found to be in conformance with the requirements in this section shall be reconstructed as required to conform.

130B - DRIVEWAY CRITERIA

130B.1 Driveway Aprons

Paved bituminous concrete driveway aprons shall be provided at each intersection of a driveway with an abutting road. The driveway apron is that portion of the driveway extending from the town road pavement to the right-of-way line of the town road or to a distance of ten (10) feet in from the edge of the town road pavement, whichever is greater. In the case of uncertainty as to the true location of a town road right-of-way line, for the purposes of this section a reference right-of-way line shall be established by measuring twenty-five (25) feet from the centerline of the existing road pavement. However, this clause shall not be construed as establishing any rights in ownership of land, its purpose being merely to establish a reference line for driveway improvement purposes. Where a town road adjacent to a proposed driveway does not have any type of bituminous surface course, the Director of Public Works may waive the requirement for a bituminous concrete driveway apron.

130B.2 Driveway Lip

All paved driveway aprons shall have a minimum lip of one and one-half (1 1/2) inches at the town road gutter line. If a driveway apron is constructed prior to the placement of the top or surface course of a subdivision road to be dedicated to the Town of Old Saybrook at some future date, then the driveway lip shall be increased in height so that after completion of the road construction, a minimum lip of one and one-half (1 1/2) inches is maintained.

130B.3 Driveway Width

Driveways shall have a minimum pavement width of ten (10) feet, and a maximum pavement width of twenty (20) feet. The minimum corner or curb radius at the intersection of a town road and driveway shall be five (5) feet. All brush, trees and any other obstructions shall be cleared and removed for a distance of three (3) feet beyond the edge of pavement along both sides of the entire length of the driveway, and to a height of twelve (12) feet above the driveway surface.

130B.4 Side Line Setback

The side or edge of a driveway shall not be located any closer than five (5) feet from an adjacent property line. In addition, the point at which the driveway curb radius intersects the edge of pavement or curb line of a town road shall not encroach beyond the point where the extension of the property line meets the town road.

130B.5 Horizontal Alignment

For all driveways the minimum radius of centerline curvature shall be 75 feet.

130B.6 Vertical Alignment

To facilitate access for emergency service vehicles, driveway grades shall have gradual transitions so as to prevent "bottoming out" on a crest and "bumper drag" in sags. Such transitions shall be sufficient to permit transit by a vehicle with a twenty (20) foot wheel base and four (4) foot front and six (6) foot rear bumper overhang.

130B.7 Sight Distance

The visibility at driveway intersections with town roads shall be such as to allow a stopped vehicle on the driveway, located eight (8) feet back from the gutter line, to see, and to be seen, from a vehicle approaching from either direction along the town road, based on a height of eye and object of 3.5 feet, and the 85th percentile speed. When the 85th percentile speed has not been documented, it shall be as determined by the Director of Public Works. Required sight distances in each direction are as follows:

<u>85th Percentile Speed (mph)</u>	<u>Intersection Sight Distance (ft)</u>
15	115
20	155
25	195
30	230
35	285
40	365
45	455
50	565
55	690
60	835

The Director of Public Works may require the removal of sight obstructions including but not limited to trees, bushes, shrubs, boulders, rocks, and stonewalls, or adjustments of cut slopes, adjacent to intersections of a private driveway with a town road in order to assure an adequate sight distance and to ensure a safe and efficient means of access for emergency vehicles.

130B.8 Gradient

Driveway grades within the street right-of-way shall not exceed eight (8) percent, and within private property shall not exceed fifteen (15) percent.

130B.9 Ascending Driveways

Driveways which ascend into private property shall be paved from the driveway apron to the high point in the driveway. Unless otherwise approved by the Director of Public Works, driveways shall be cross sloped so as to establish sheet flow drainage and avoid the discharge of concentrated runoff into town roads.

130B.10 Descending Driveways

For driveways which descend into private property, driveway aprons shall rise in elevation from the town road gutter line to the town road right-of-way line a minimum of six (6) inches before descending into the property.

130B.11 Drainage

Driveways shall be constructed in such a manner that they do not permit the runoff of water from the abutting town road to enter into the property of the owner, or adjacent properties, thereby creating a nuisance to the Town and the property owner, unless an easement in a form satisfactory to the Town of Old Saybrook is granted by such owner to the Town for such runoff. Under no circumstances shall a driveway apron be constructed so as to obstruct or alter the free flow of water in the road gutter line or other drainage ways of the Town of Old Saybrook. In addition, if in the opinion of the Director of Public Works, discharges from concentrated surface runoff or groundwater seeps will adversely impact upon a town road or associated right-of-way, then he shall require the installation of a storm drainage and/or subdrainage system to intercept and convey such discharges to an acceptable outlet location.

130B.12 Driveway Culverts

Where culverts under driveways are required by the Director of Public Works within the town road right-of-way, such culverts shall be constructed of reinforced concrete pipe, high density corrugated polyethylene smooth interior pipe or other materials as may be approved by the Director of Public Works, and shall be of such size, not less than fifteen (15) inches in diameter, as to adequately convey under the driveway all surface runoff which may reasonably be expected to reach the culvert inlet during a storm with a 10-year recurrence interval. All culverts shall be of such design to withstand AASHTO HS20-44 loadings and shall have a minimum cover over the top of the culvert of one (1) foot, unless otherwise approved by the Director of Public Works or his duly authorized representative. Culverts shall be placed on a minimum eight (8) inch depth bed of 1/2-inch crushed stone, and shall be backfilled with 1/2-inch crushed stone to a minimum dimension of six (6) inches around the outside perimeter of the pipe, with a layer of filter fabric placed on top of the crushed stone. Inlet and outlet ends of culverts shall have flared end sections.

130B.13 Removal of Guide Rails

Any driveway installation which requires the removal of a portion of a guide rail shall be secured with concrete end anchorages on each side of the driveway. All such work shall be the responsibility, and at the expense of, the applicant.

130B.14 Crossing of Existing Sidewalks

Any driveway installation that crosses over an existing sidewalk shall require the complete removal and reconstruction of that portion of the sidewalk extending to the closest construction joint located beyond the edge of driveway. The reconstructed sidewalk section shall match the grade and width of the original sidewalk unless otherwise approved by the Director of Public Works. Construction of the sidewalk shall conform to the Construction Standards outlined in Section 80M of these Regulations and the Standard Detail Drawing entitled "Driveway Apron with Sidewalk", and shall be the responsibility, and at the expense of, the applicant.

130B.15 Damage to Existing Sidewalks

Any damage to an existing sidewalk including, but not limited to, cracking and chipping, shall be repaired by, and at the expense of the applicant. Such repair shall include the complete removal of the damaged section of sidewalk extending to the closest construction joint located on each side of the damaged area. The reconstructed sidewalk section shall match the grade and width of the original sidewalk and shall conform with the Construction Standards outlined in Section 80M of these Regulations.

130B.16 Disturbance of Monuments

Driveways shall be located and constructed such that no disturbance of road right-of-way monumentation occurs. In the event of accidental disturbance of a monument, the owner of the property served by the driveway shall be responsible for retaining and paying for the services of a land surveyor licensed in the State of Connecticut to reset the monument and to provide a Letter of Certification to the Director of Public Works. Where driveways are constructed on new roads which have not yet been monumented, they shall be located so as not to interfere with the future placement of monuments.

130B.17 Final Grading and Stabilization

Where grading is required within a town road right-of-way, slopes shall not be steeper than one (1) unit vertical to two (2) units horizontal, and shall be covered with a minimum of six (6) inches of topsoil, and limed, fertilized, seeded and mulched.

130C - DRIVEWAY CONSTRUCTION STANDARDS

130C.1 Paving Materials

Driveway apron paving shall consist of bituminous concrete pavement or concrete pavement. Required driveway paving beyond the driveway apron shall consist of a non-erodible all weather surfacing including, but not necessarily limited to, bituminous concrete pavement; concrete pavement; brick, concrete, or stone pavers; penetration macadam or chip seal; and, porous paving systems using concrete or plastic grid structures.

130C.2 Base Materials

The prepared base upon which paving materials are placed shall consist of a minimum depth of eight (8) inches, after compaction, of a "Rolled Granular Base" that conforms to the State Standard Specifications Sections M.02.03 and M.02.06 (Grading C). Where porous paving systems are proposed, additional or alternative base materials may be utilized as specified by the manufacturer, and approved by the Director of Public Works, so as to promote infiltration. Regardless of the type of paving surface to be utilized, the base materials shall be capable of supporting AASHTO HS20-44 loadings. Base materials for all remaining portions of the driveway that extend beyond the required limits of paving shall also be capable of supporting AASHTO HS20-44 loadings.

130C.3 Bituminous Concrete Pavement

Driveways and driveway aprons constructed with a bituminous concrete pavement surface shall consist of a minimum of two (2) inches, after compaction, of Class II bituminous concrete. Class II "Bituminous Concrete" materials shall conform to the State Standard Specifications Sections M.04.01 and M.04.03.