

TOWN of WESTON, CONNECTICUT



Incorporated 1787

Town Engineer's Office

September 5, 2017

Weston Police Commission
Weston Town Hall
Attention: William J. Brady Chairman
Beth Gralnick Chairman
56 Norfield Road
Weston, Ct 06883

Re; Weston Dog Park

Dear Mr. Brady & Ms. Gralnick

On the sight walk that took place on the date of August 31, 2017 at the proposed site of the Weston Dog Park some questions came up concerning the safety of vehicles that would be entering and exiting the proposed site.

The conclusion of the traffic impact study indicated the sight line looking north from the proposed driveway of the southbound traffic on Davis Hill Road had to be improved to provide safe stopping sight distance (SSSD) for that traffic on Davis Hill Road. The existing sight distance in its existing condition only provides about 150 feet of sight distance. A Sight Line Improvements Plan has been prepared to improve the sight line to 215 feet. The required sight line of 215 feet was determined from information provided in the traffic impact study. Referring to pages 24 and 26 of the traffic study the automated traffic counters printed out the 85 percentile speed of the northbound and southbound lanes of Davis Hill Road. The 85 percentile is the basis of all traffic studies for determining speed and sight line requirements for SSSD. That is the methodology used by licensed professionals for improving traffic and sight line requirements. The 85 percentile for the southbound lane of Davis Hill Road was recorded at 27.03 mph and for the north bound lane it was recorded at 31.45 mph, referring to page 37 of the traffic study is the table from the Connecticut Department of Transportation used to determine the required sight line based on the 85 percentile speed. The road slope of the southbound lane approaching the proposed driveway is at 4.8%. The Conn. DOT table indicates

at a speed between 30 and 35 mph up to an approaching slope of 6.0% the required SSSD is 215 feet. The improvements plan meets that criteria.

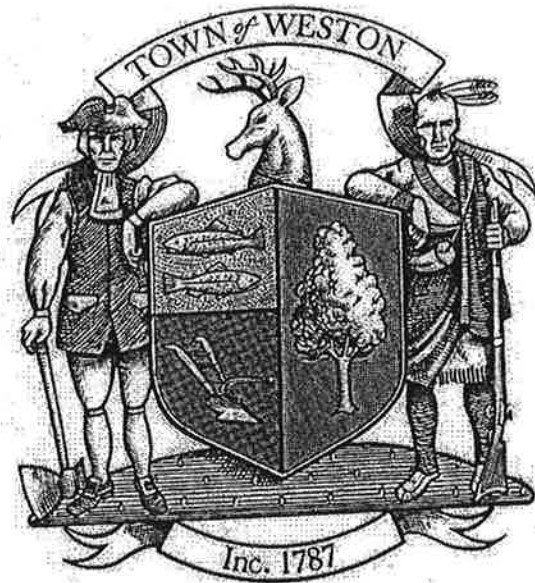
It was mentioned that a sight line distance of 250 feet would be required under the Weston regulations. The 250 foot requirement is require for proposed Minor Subdivision Roads under the Weston Subdivision Regulations (see enclosed subdivision regulations) not driveways. The Weston Driveway Ordinance under section 51-15 states concerning the design and construction of an access shall conform to the Town Standard Specifications for Road Construction of the Town of Weston, which specifications are set out in the Subdivision Regulations Chapter 230. The section of the subdivision regulations enclosed which best describes the proposed access to the dog park would be neighborhood lane which requires a clear sight line of 200 feet. The improvements plan specifies a sight line of 215 feet. The proposed entrance to the dog park is a driveway not a subdivision road. The improvements plan shows the required SSSD and also shows the amount of vegetation, trees and parts of existing embankment to be pulled back to provide the required SSSD. The plan was prepared in a professional manner by taking into account a Ground Elevation Survey using Best Engineering Practices and complying with Connecticut Department of Transportation Standards.

The improvements plan to be submitted to the police commission meeting on the date of September 5, 2017 will be highlighted to show the areas to be cleared of trees, vegetation and embankment. The one large tree in question that is located at the gutter line adjacent to the proposed driveway will be removed if the project is approved (see enclosed picture). There is a small side hill seep and a small wetland located within the sight line improvements. No work is recommended in this area. The proposed Sight Line Improvements Plan was prepared by the Town Engineer as a licensed professional engineer taking into account a field ground elevation survey, best engineering practices and incorporating Connecticut Department of Transportation Standards to provide a safe intersection of the proposed dog park with Davis Hill Road.

I'm requesting this statement be entered into the record at the September 5, 2017 meeting of the police commission concerning the commission's review of this project.

A handwritten signature in black ink, appearing to read "John Conte". The signature is written in a cursive, flowing style.

John Conte P.E.



SUBDIVISION REGULATIONS FOR THE TOWN OF WESTON

**Effective Date: September 1, 1984
As Amended to December 30, 2009**

	Neighborhood <u>Lane</u>	Minor <u>Road</u>	Major <u>Road</u>
a) Right-of-way Minimum width (feet)	40	50	50
b) Travel way, excluding shoulder & curbs Minimum width (feet)	20	22	24
c) Horizontal curve at centerline Minimum radius (feet)	120	150	250
d) Horizontal tangent between reverse curves Minimum (feet)	100	150	200
e) Vertical curve Minimum radius (feet)	75*	100*	150*
f) Gradient Maximum (percent)	12%	10%**	8%
Minimum (percent)	1%	1%	1%
g) Clear sight distance Minimum (feet)	200	250	300
h) Easement for drainage utilities Minimum width (feet)	20	20	20
i) Off-road pedestrian easement Minimum width (feet)	25	25	25

*Except that minimum radius shall be not less than the following values for each one percent (1%) algebraic difference in grade; Neighborhood Lane, 15 feet; Minor Road, 20 feet; Major Road, 25 feet.

**Except 12% on straight alignment where approved by the Commission.

3.11 Storm Runoff and Erosion Control

3.11.1. Soil and Water Conservation

A plan for control of stormwater runoff to prevent flash floods, conserve natural water tables, minimize erosion and siltation, and protect wetlands and other natural resources must accompany every subdivision application.

3.11.2. Design Storm and Drainage Area

- a. In each subdivision, planning and design of stormwater facilities shall be based on potential storm runoff from the served area at full development, in accordance with fifty (50) year frequency storm criteria.
- b. Culverts, catch basins, pipes, swales, and retention ponds shall be

Chapter 51. DRIVEWAYS

[HISTORY: Adopted by the Town of Weston 4-3-1974 (Ch. 12, Art. II, of the 1981 Code). Amendments noted where applicable.]

GENERAL REFERENCES

Streets, sidewalks and public places — See Ch. 169.

Subdivision regulations — See Ch. 230.

§ 51-1. Definitions.

[Amended 7-23-1986] As used in this chapter, the following terms shall have the respective meanings ascribed to them:

ACCESS

The travelway for vehicles between the edge of the road and the property line, commonly referred to as the "apron."

DRIVEWAY

The travelway for vehicles between the access and the garage or parking area.

GARAGE/PARKING AREA

That part of the driveway near or next to the garage or home used as a parking and turnaround area.

ROAD

Public and private roads, streets or highways, and shall include roads in subdivisions.

§ 51-2. Applicability.

No person shall construct or cause to be constructed or locate or relocate any driveway or access except in accordance with the provisions of this chapter; provided, however, that the provisions of this chapter shall not apply to the maintenance and repair of a driveway or access in existence or for which a permit had been issued at the time of the adoption of this chapter.

§ 51-3. Limitations on Town responsibility.

Nothing in this chapter shall require the Town to repair or improve any driveway or access or render the Town liable to a property owner for failure to make said repair or improvement except where such repair or improvement is made necessary as a result of the widening, repair, maintaining, or relocation of a Town road.

determined by the Board of Selectmen.

§ 51-15. Conformance to Town specifications.

[Amended 7-23-1986; 1-15-2004, effective 2-12-2004]

- A. The design and construction of the access shall conform to the Town Standard Specifications for Road Construction of the Town of Weston, which specifications are set out in the Subdivision Regulations, Chapter 230 hereof. Said specifications are incorporated herein by reference and made a part of this Code.
- B. The portion of the driveway between the edge of pavement and the right-of-way or property line shall consist of a two-inch single course of bituminous concrete on a base of six-inch crushed run stone or equal approved material, laid on a properly prepared subgrade. Each course shall be properly rolled with a roller suitable for driveway installation.
- C. The use of a Belgian block apron will not be allowed within the Town right-of-way or any Town-owned property. Where the paved portion of the Town road is located less than three feet from a property line, a Belgian block apron will not be allowed within three feet of the edge of the pavement of a Town road.

§ 51-16. Intervening distance requirements; car-length platform.

[Amended 7-23-1986; 1-15-2004, effective 2-12-2004]

- A. No access shall be located within 50 feet of the intersection of the center lines of two or more roads.
- B. Not more than one driveway shall be constructed on the same premises unless the distance between accesses is 50 feet or more.
- C. No access shall be constructed within 50 feet of another on the same side of the street. The driveway at the entrance must be located 25 feet from a side or rear property line for a distance of 25 feet into the property. Beyond that point the driveway is to be located no closer than 10 feet to a side or rear property line.
- D. The view of the edge of the road being entered shall be unobstructed for a distance of 50 feet in each direction from a point eight feet back from the edge of the existing or proposed travelway at a height of four feet.
- E. A car-length platform must be constructed between the access and the driveway in cases where the grade of the driveway exceeds 3% past the access.
- F. Provisions in this section shall not apply to driveways with access onto a permanent dead-end turnaround.

§ 51-17. Road entry angle.

A driveway and access shall enter a road at right angles when possible, and in no case shall the angle be less than 60°. This shall apply for a distance of 40 feet from the center line of the road.

AnnMarie Fontana

From: John Conte <johnrconte620@gmail.com>
Sent: Tuesday, August 22, 2017 3:56 PM
To: AnnMarie Fontana
Subject: Dog Park

