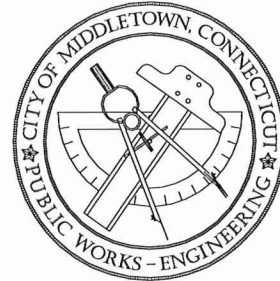


**SITE PLAN REVIEW
PUBLIC WORKS DEPARTMENT**

Engineering Division

February 26, 2021



As per request from the Inland Wetlands and Watercourses Agency, the following are comments and concerns that our department has in reference to the following application:

21-03 Arbutus Street Access Driveway

The profile shows the driveway rising at 12% grade, then increasing to 15%. Our maximum driveway grade is 12%.

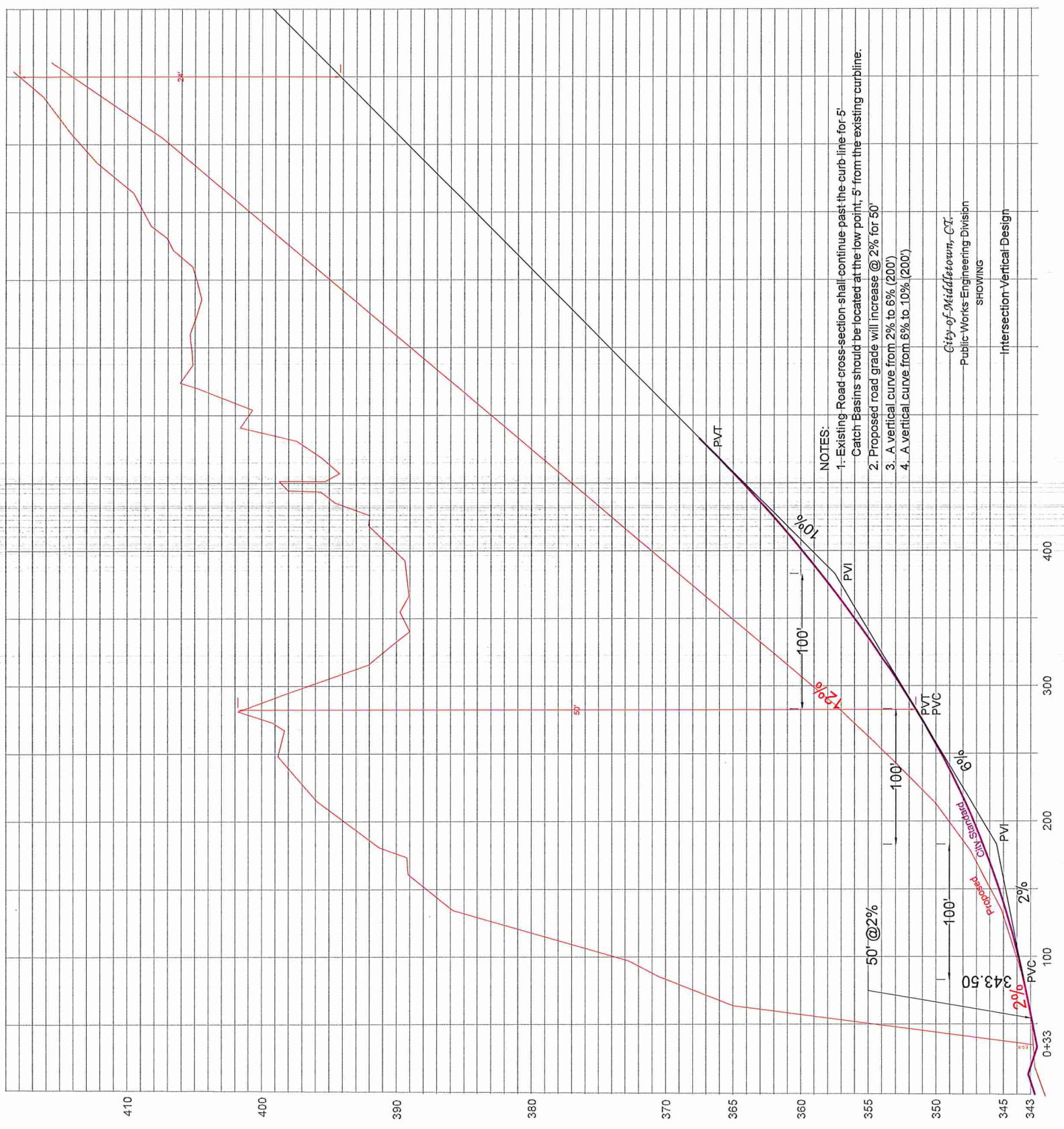
Attached is the profile showing the maximum grade of a street. It is clear that using the 10% maximum street grade, the driveway will never reach the existing surface grade at the top. This driveway would need to be lowered as much as 15 additional feet to be able to be considered as a City street.

Having a steep slope and surfaced with processed stone, the catch basins will have a tendency to fill up with stone and not function adequately. This can cause erosion or icing on the driveway. Emergency services might find it difficult to access under those conditions.

Thomas Nigosanti

Thomas Nigosanti, City Engineer

DEPT. PLANNING & ZONING
21 FEB 29 AM 8:43



- NOTES:**
1. Existing Road cross-section shall continue past the curb-line for 5' Catch Basins should be located at the low point, 5' from the existing curbline.
 2. Proposed road grade will increase @ 2% for 50'
 3. A vertical curve from 2% to 6% (200')
 4. A vertical curve from 6% to 10% (200')

City of Middletown, CT
 Public Works Engineering Division
 SHOWING
 Intersection Vertical Design

343.50
 343.50

2.0%

6.0%

10.0%

100'

100'

100'

100'

50' @ 2%

5'

2.0%

100'

100'

100'

100'