

DATE: 5/15/26

JN 2026-003

CULVERT DESIGN

ANDREW MYERS

211 CHAPEL HILL RD.

MONTVILLE, CT

AREA = 9.9 AC. $C = 0.3$

TC $\rightarrow$ 1100 FT @ 5.1%

$T_c \approx 21$ MIN.

$i_{25} = 4.1$ IN/HR

$$\begin{aligned} Q_{p25} &= (9.9 \text{ AC}) (0.3) (4.1 \text{ IN/HR}) \\ &= 12.2 \text{ CFS} \end{aligned}$$

$$\begin{aligned} Q_{\text{MAY}} &= 18" \text{ CULVERT @ } 3.2 \text{ FT H}_w \\ &= 12.3 \text{ CFS } \checkmark \end{aligned}$$



DRAINS ARE

