

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%

$T_c = 21$ MIN.

$i_{25} = 4.1$ IN/HR

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

$$Q_{\text{MAX}} = 18" \text{ CULVERT @ } 3.2 \text{ FT H}_w$$
$$= 12.3 \text{ CFS } \checkmark$$



SECOG Parcel Viewer

