

DATE 6/15/26

2021-049

LINDO CONSTRUCTION, LLC
CULVERT DESIGN
82 MAPLE AVE
MONTVILLE, CONNECTICUT

DRAINAGE AREA = 5.2 ACRES,

$$C = 0.35$$

$$T_C = 1.8 \text{ min}$$

LENGTH 700'

SLOPE: 12%

$$i_{25} = 4.3 \text{ in/hr}$$

$$Q_{p25} = (0.35)(4.3 \text{ in/hr})(5.2 \text{ AC.})$$

$$= 7.8 \text{ CFS}$$

USE 18" CULVERT

@ HW 1.8 FT

$$Q_{MAX} = 7.8 \text{ CFS} \checkmark$$