

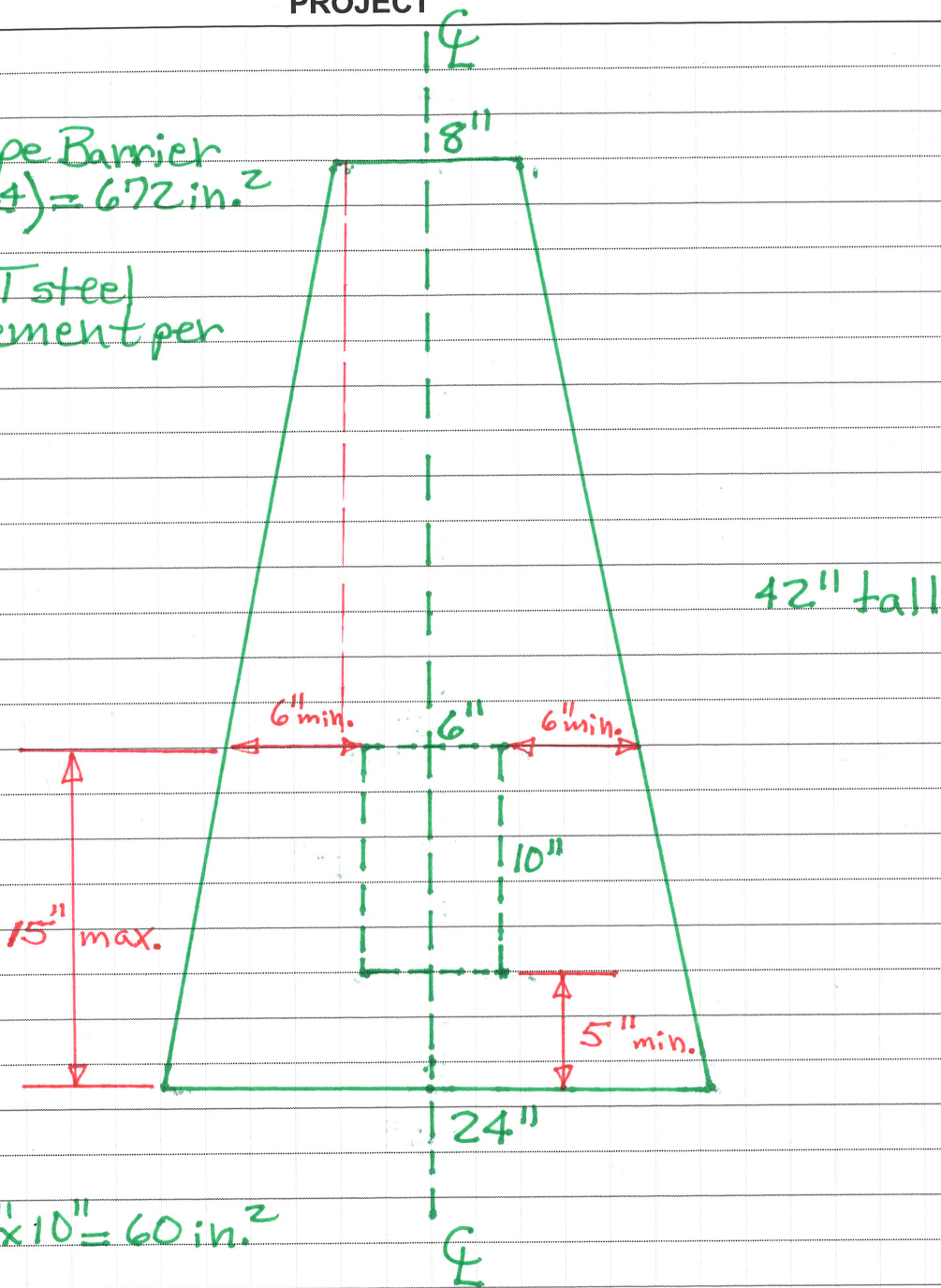
TITLE

PROJECT

Continued from page

Single-Slope Barrier
 $A = 42 \left(\frac{8+24}{2} \right) = 672 \text{ in.}^2$

* Utah DOT steel reinforcement per details.



Cavity = $6 \times 10 = 60 \text{ in.}^2$
max.

9 - 2" diameter conduit

$$A_1 = \frac{\pi (2)^2}{4} = 3.14 \text{ in.}^2$$

$$A_g = 9(3.14) = 28.3 \text{ in.}^2$$

$$28.3 \text{ in.}^2 < 60 \text{ in.}^2 \text{ OK!}$$

$$\frac{27}{x} = \frac{42}{8}$$

$$x = 5.14''$$

$$5.14(2) + 8 = 18.29''$$

$$\frac{18.29}{2} = 9.14$$

$$9.14 - 3 = 6.14''$$

$$6.14 - 5.14 = 1.0'' \text{ gap/cover}$$

SIGNATURE

RF

DATE

DISCLOSED TO AND UNDERSTOOD BY

Utah DOT

DATE

7/29/2024

PROPRIETARY INFORMATION

6.14" > 6 min. OK!

Continued to page 11