

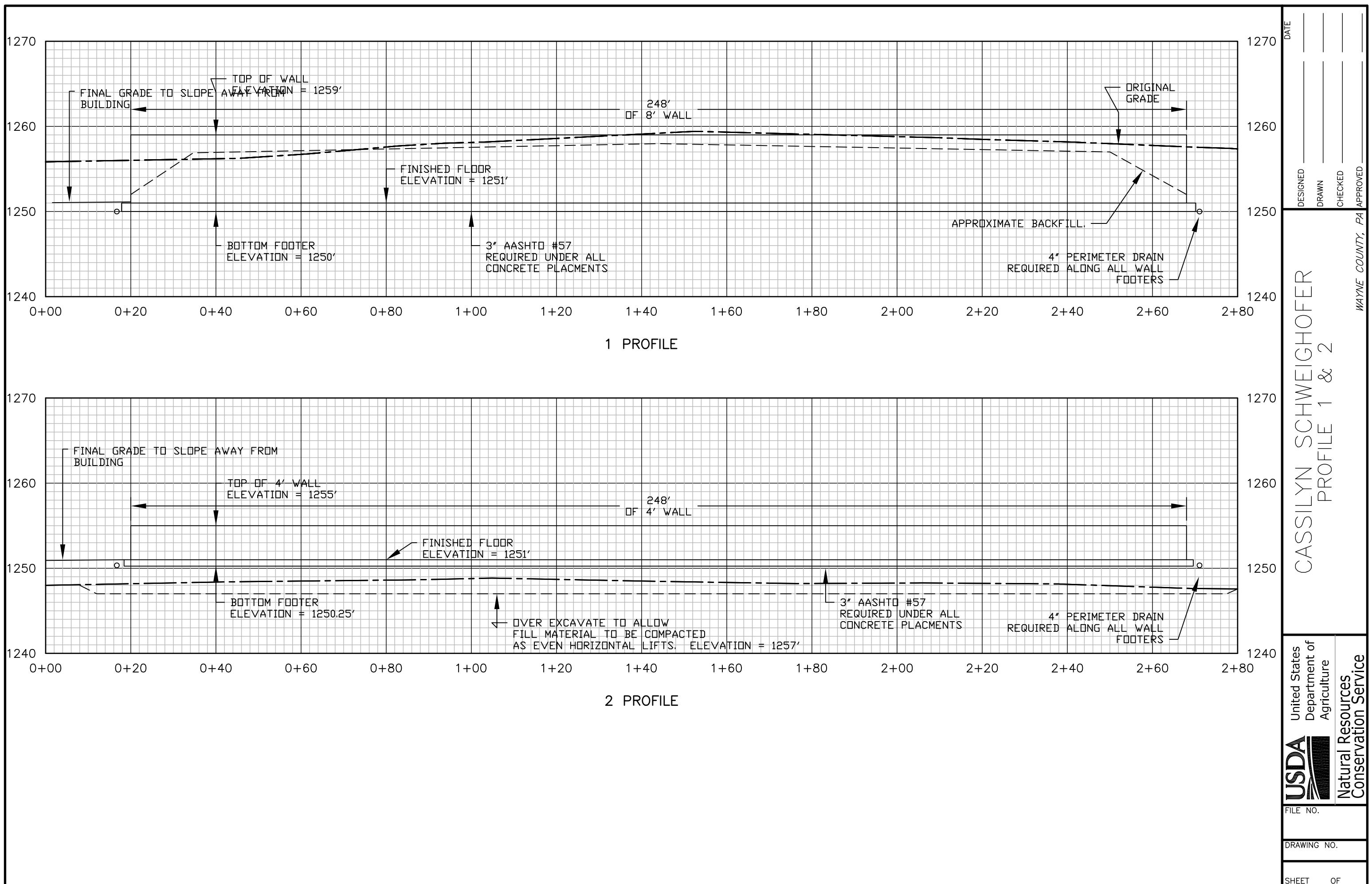
DESIGNED _____
DRAWN _____
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APPROVED _____

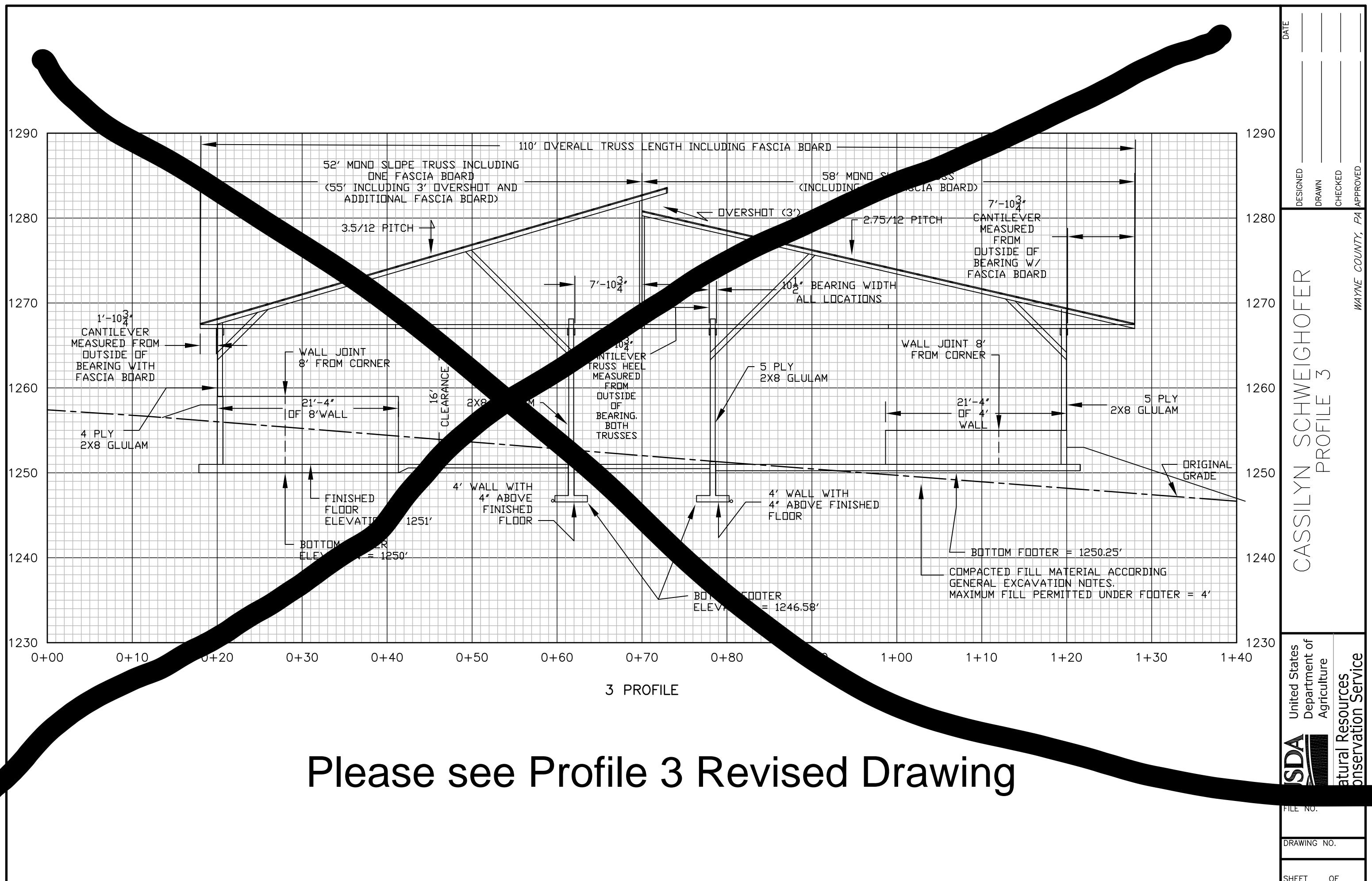
CASSILYN SCHWEIGHOFER
40 SCALE PLAN VIEW

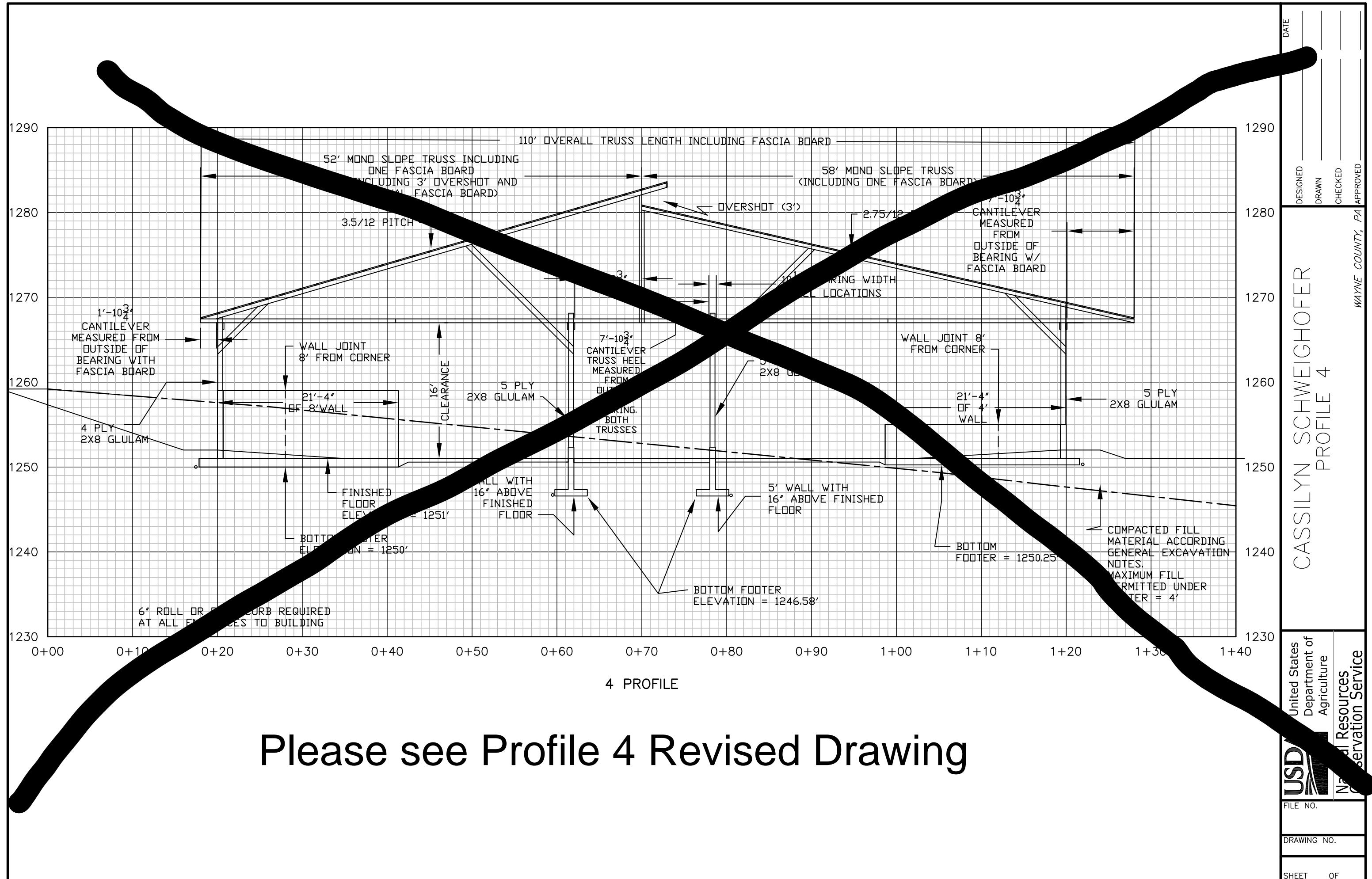
United States
Department of
Agriculture

NRCS Natural Resources Conservation Service

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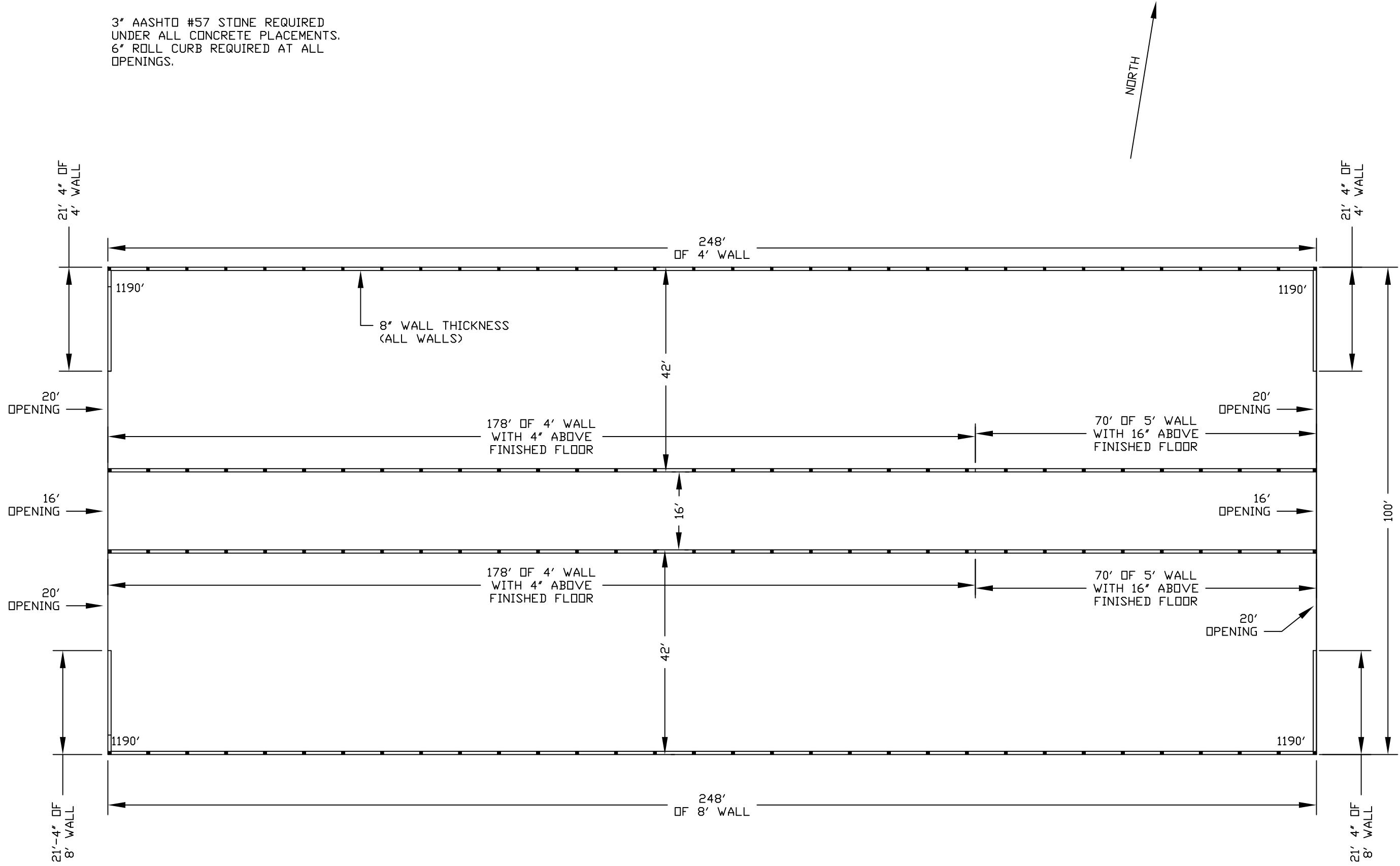






Please see Profile 4 Revised Drawing

3" AASHTO #57 STONE REQUIRED
UNDER ALL CONCRETE PLACEMENTS.
6" ROLL CURB REQUIRED AT ALL
OPENINGS.



20 SCALE



FILE NO.

DRAWING NO.

SHEET OF

CASSILYN SCHWEIGHOFER
CONCRETE LAYOUT

DESIGNED _____
DRAWN _____
CHECKED _____
APPROVED _____

DATE _____

United States
Department of
Agriculture
Natural Resources
Conservation Service

WAYNE COUNTY, PA

Gravity Flow

Project Name: CASSY SCHWEIGHOFOR

Location: 10" FINAL OUTLET

Project Description: _____

Practice: 620

Designed by: aw

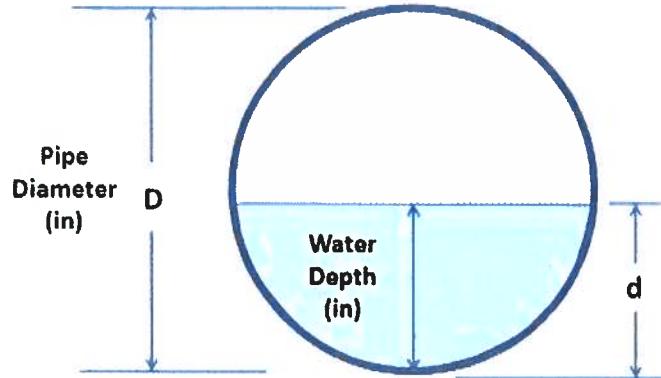
Date: _____

Checked by: _____

Date: _____

Approved by: _____

Date: _____



$$Q = \frac{1.486}{n} A r^{2/3} s^{1/2}$$

Inputs

Pipe Diameter : 10.00 in

Water Depth : 8.00 in

Pipe Slope : 0.0250 ft/ft

Manning's n : 0.011

205%

Outputs

Hydraulic Radius : 0.25 ft

Flow Area : 0.47 sq ft

Capacity : 4.00 cfs

Velocity : 8.56 ft/sec

Critical Depth : 9.6 in

$Req = 3.8 \text{ cfs}$ ✓

If one final outlet pipe
for roof runoff is preferred...

Total Q from roof :

$$248' \times 110' \times .000014 = 3. \text{ cfs}$$