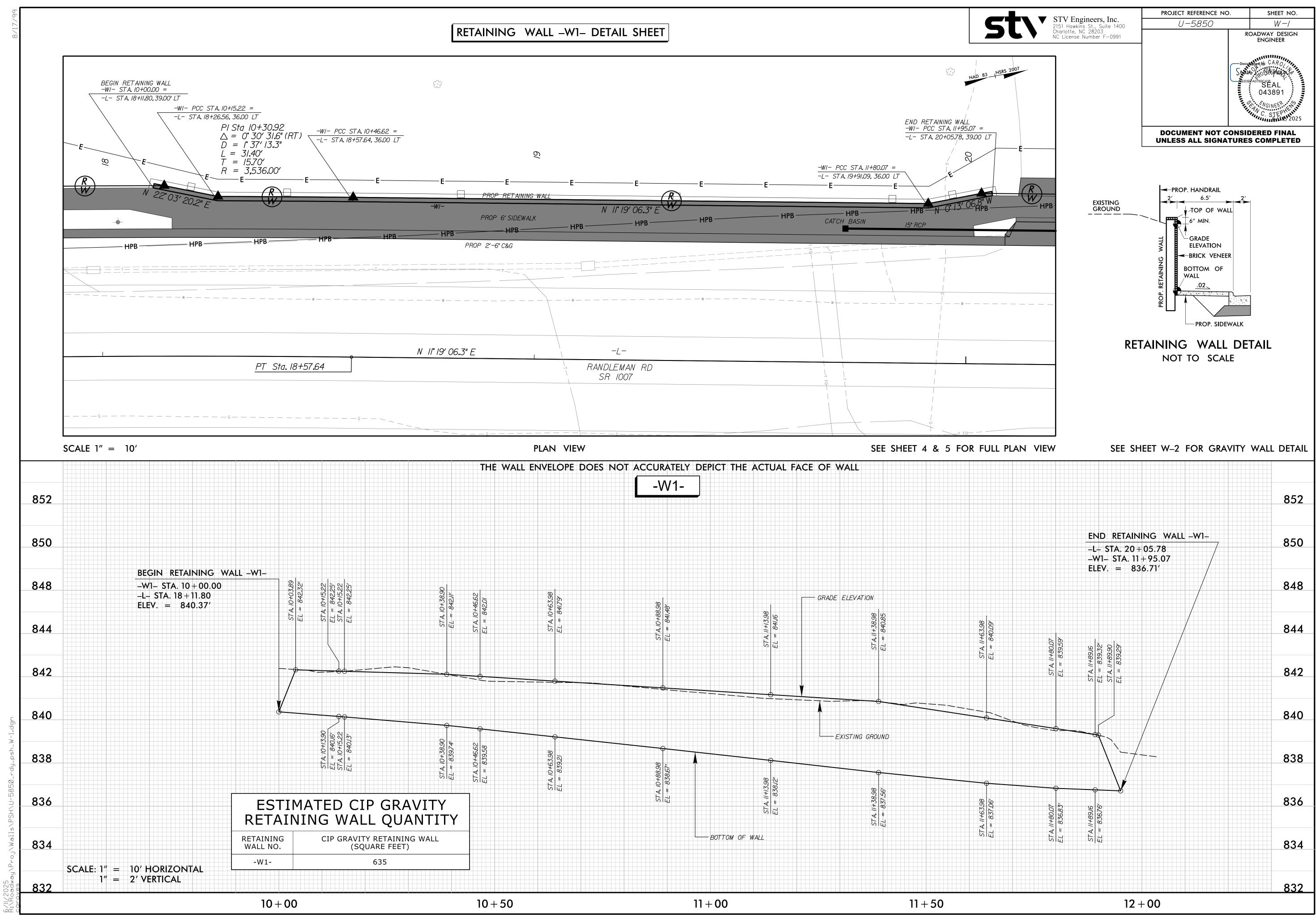
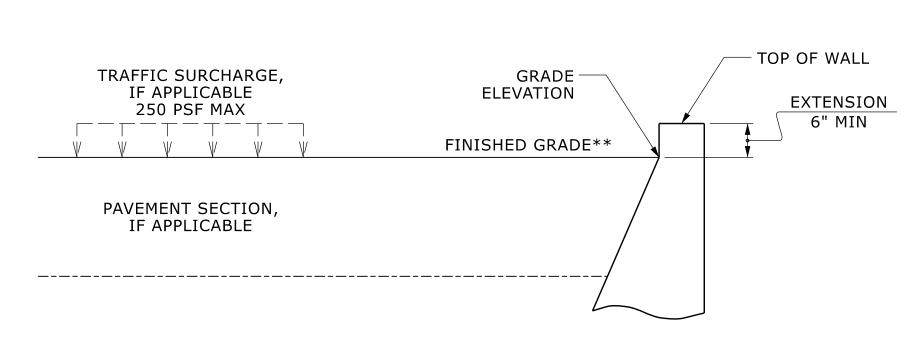
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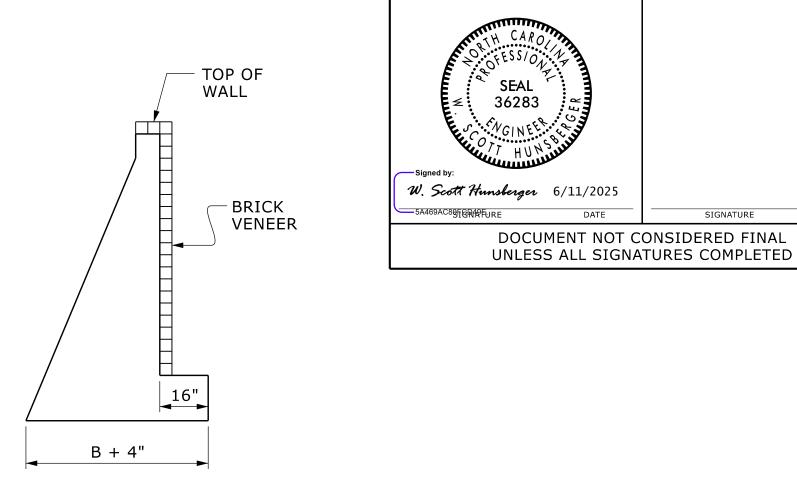
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## NO SLOPE CASE

\*\*SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.



GEOTECHNICAL

ENGINEER

ENGINEER

### BRICK VENEER DETAIL

### NOTES:

FOR CIP GRAVITY RETAINING WALLS, SEE SECTION 453 OF THE STANDARD SPECIFICATIONS.

FOR SUBSURFACE DRAINAGE AT WEEP HOLES, SEE ARTICLE 414-8 OF THE STANDARD SPECIFICATIONS.

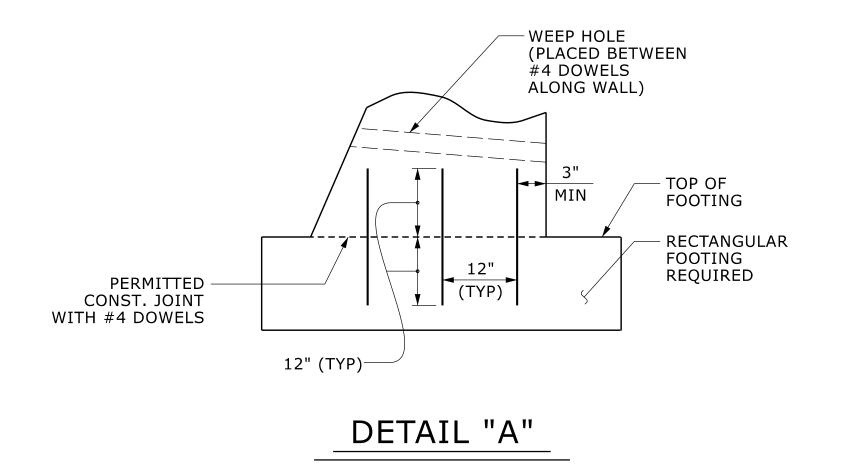
CIP GRAVITY WALLS ARE BASED ON THE FOLLOWING IN-SITU ASSUMED SOIL PARAMETERS: UNIT WEIGHT,  $\gamma = 120$  PCF FRICTION ANGLE,  $\phi = 28$  DEGREES (GROUNDWATER WITHIN 7' OF BOTTOM OF FOOTING)) COHESION, c = 0 PSF

BEFORE BEGINNING CIP GRAVITY WALL CONSTRUCTION SURVEY WALL LOCATIONS AND SUBMIT WALL PROFILE VIEWS (WALL ENVELOPES) FOR REVIEW. FOR WALL ENVELOPES, INCLUDE BOTTOM OF WALL, EXISTING GROUND AND GRADE ELEVATIONS AND OTHER ELEVATIONS AS NEEDED AT INTERVALS OF 25' OR LESS ALONG WALLS. DO NOT START WALL CONSTRUCTION UNTIL WALL ENVELOPES ARE ACCEPTED.

FOR BRICK VENEERS, SEE BRICK VENEEER SPECIAL PROVISION.

DO NOT PLACE CONCRETE FOR FOOTINGS UNTIL EXCAVATION DIMENSIONS AND FOUNDATION MATERIAL ARE APPROVED.

WHEN CONSTRUCTING CIP GRAVITY WALLS WITH A CONSTRUCTION JOINT AS SHOWN IN DETAIL "A", PROVIDE A MINIMUM OF 3 EQUALLY SPACED #4 DOWELS AT INTERVALS OF 1'-6" ALONG WALLS.



H (FT)	3 - < 6
B/H Ratio	.80

# CIP GRAVITY WALL

B - FOOTING WIDTH SEE TABLE - 2'-6" MIN

TOP OF

FOOTING -

OF WALL

**GRADE ELEVATION** 

SUBDRAIN FINE AGGREGATE —

(SEE NOTE FOR SUBSURFACE

DRAINAGE AT WEEP HOLES)

(SEE NOTE FOR SUBSURFACE DRAINAGE AT WEEP HOLES)

PERMITTED -

CONST. JOINT

WITH #4 DOWELS (SEE DETAIL ``A'')

STONE DRAIN

\*\*SEE ROADWAY PLANS FOR FINISHED GRADE DETAILS.

TOP OF WALL

WALL FACE

WEEP HOLE

(EXTEND

THROUGH BARRIER, IF APPLICABLE)

FINISHED GRADE\*\* — 6:1 (H:V) OR FLATTER /

15" MIN

**BOTTOM OF** FOOTING

WALL EMBEDMENT 2' MIN

B/H RATIO (B = 2'-6'' MIN)

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

**GEOTECHNICAL ENGINEERING UNIT**  CIP GRAVITY

PROJECT NO.: U-5850

STATION: -L- 18+25

SHEET 2 OF 2

SHEET NO. DATE: 02-18-2025 W-2

**GUILFORD COUNTY** 

FALCON ENGINEERING, INC. 1210 TRINITY ROAD, SUITE 110 FALCON CARY, NC 27513 PHONE: 919.871.0800 www.falconengineers.com

RETAINING WALL

WALL ID -W1-