Origination Form Proposed Revisions to a Standard Plans Index

Originator:	Turley, Joshua	Index Number:	400-011
Date:	4/11/2024	Sheet Number(s):	1
E-mail:	Joshua.Turley@dot.state.fl.us	Index Title:	Gravity Wall

Summary of the changes:

Sheet 1: Updated Bill of Reinforcing Bar B to extend hook leg. Added note to KEYWAY & WALL JOINT DETAIL to skew bars as required to maintain cover.

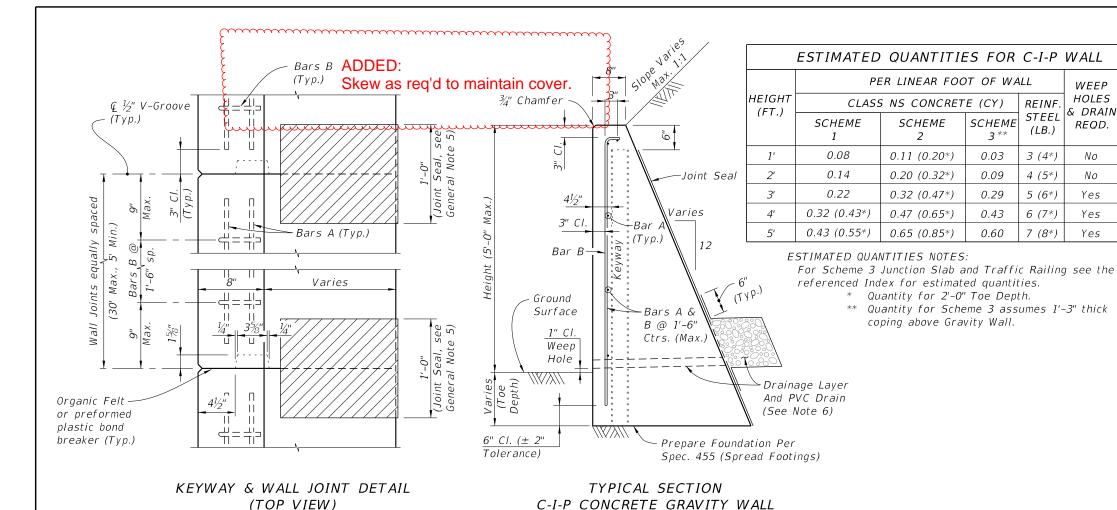
Commentary/Background:

Rebar detailer raised the issue that the 3 1/2" Hook shown for BAR B can't be bent. It's too short and not a standard hook. Followed up with a fabricator and the fabricator agreed a 3 1/2" hook can't be bent without slippage.

Other Affected Documents/Offices	Person Contacted	Affected (Yes/No)
Other Standard Plans		No
Florida Design Manual		No
Standard Specifications		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No

Implementation

["FY-Standard Plans (Next Release)"]



GENERAL NOTES

WEEP

HOLES

& DRAIN

REQD.

No

No

Yes

Yes

Yes

REINF

SCHEME

3 **

0.03

0.09

0.29

0.43

0.60

STEEL

(LB.)

3 (4*)

4 (5*)

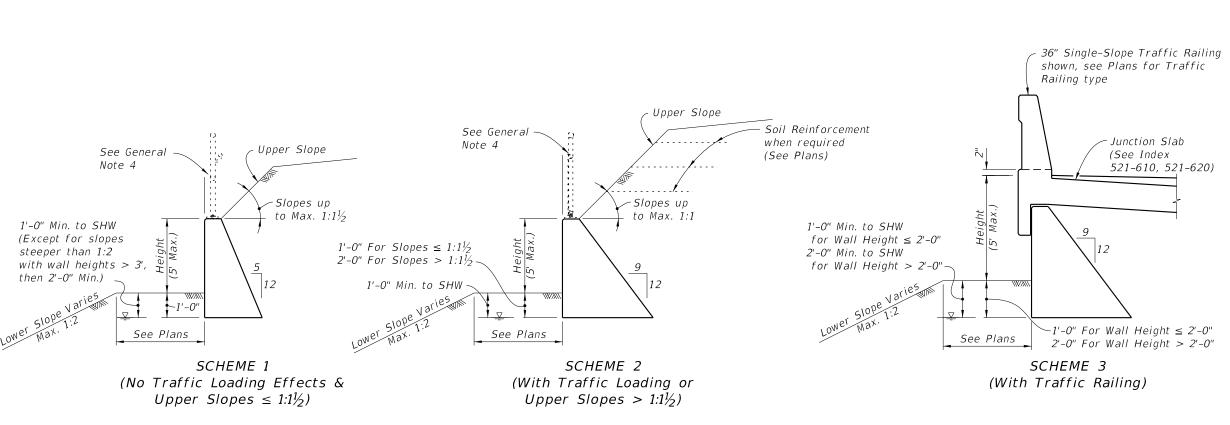
5 (6*)

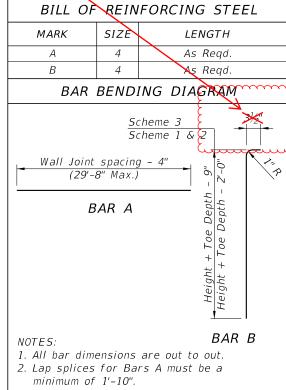
6 (7*)

7 (8*)

- 1. C-I-P Gravity Walls constructed as extensions of reinforced concrete retaining walls, except for walls of proprietary designs, provide the same face texture and finish as the reinforced concrete retaining wall.
- 2. Use Class NS Concrete for Gravity Wall per Specification 347. Concrete for Scheme 3 Junction Slab and Traffic Railing shall be Class II per Specification 346, unless otherwise specified in the plans.
- 3. Reinforcing steel meets the requirements of Specification 931 (Grade 40 or 60). Smooth or Deformed Welded Wire Reinforcement (WWR) may be substituted on an equal area basis. Do not increase bar/wire spacing for Grade 60 reinforcing steel or WWR.
- 4. When required, for adjunct guiderail, see Index 515-070 or 515-080 as appropriate. For adjunct Type B fence see Index 550-002.
- 5. Joint Seal: Provide and install organic bond breaker or Type D-5 geotextile in accordance with Specifications 400 and 514 respectively. Mop all contact surfaces of concrete and Organic Felt or geotextile with cut-back asphalt. Stop Organic Felt or geotextile 6" below top of wall.
- 6. Provide a continuous 1'x1' clean gravel or crushed rock drain for wall heights 3 ft. and higher. Wrap drainage layer as shown, with Type D-3 geotextile in accordance with Specification 514. Provide 8"x8" galvanized mesh with $\frac{1}{4}$ " openings, at the inside end of the PVC Drain Pipe. Provide 2" Ø PVC Drain Pipe (Sch. 40) at 10 ft. max. spacing (when Drainage Layer is required). Locate outermost edge of Drain Pipe a minimum of 2'-0" from wall joints.
- 7. Cost of reinforcing steel, face texture, finish, joint seal, drain pipes, drainage layer, galvanized mesh and geotextile to be included in the Contract Unit Price for Concrete Class NS, Gravity Wall. Cost of concrete for Junction Slab in Scheme 3, to be included in Contract Unit Price for Concrete Traffic Railing Barrier With Junction Slab. Adjunct railings or fences to be paid for separately.

UPDATED: to 4 1/2"





FDOT

FY 2024-25 STANDARD PLANS

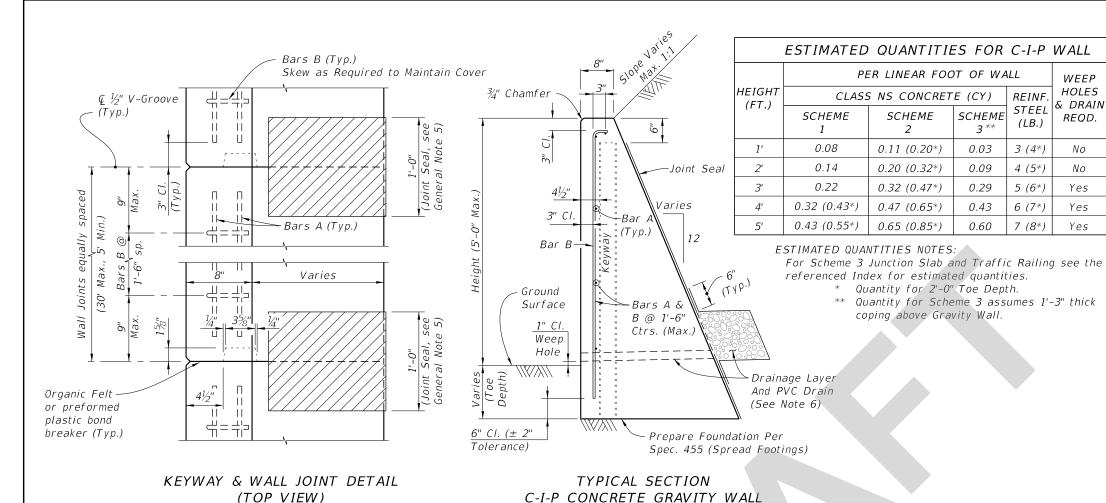
GRAVITY WALL

INDEX 400-011

SHEET 1 of 1

LAST - 11/01/24 REVISION 11/01/23

DESCRIPTION:



GENERAL NOTES

WEEP

HOLES

& DRAIN

REQD.

No

No

Yes

Yes

Yes

REINF

SCHEME

0.03

0.09

0.29

0.43

0.60

2

3 **

STEEL

(LB.)

3 (4*)

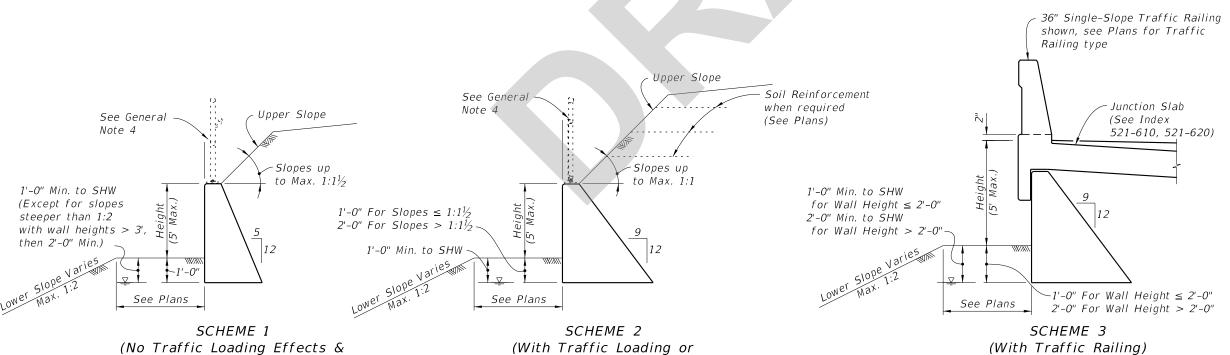
4 (5*)

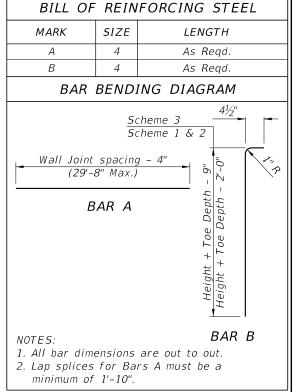
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FDOT

Upper Slopes $\leq 1:1\frac{1}{2}$)

DESCRIPTION:

LAST

REVISION

11/01/24

FY 2025-26 STANDARD PLANS

Upper Slopes $> 1:1\frac{1}{2}$)

GRAVITY WALL

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SHEET 1 of 1