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## ORIGINATION FORM

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Proposed Revisions to a Standard Plans Index  
(Please provide all information — Incomplete forms will be returned)

**Contact Information:**

Date: January 9, 2020

Originator: Cheryl Hudson

Phone: 414-5332

Email: cheryl.hudson@dot.state.fl.us

**Standard Plans:**

Index Number: 400-010

Sheet Number (s): 1 & 2

Index Title: Cantilever Retaining Wall

**Summary of the changes:**

Remove reference to steel for reinforcement

**Commentary / Background:**

Make generic for Steel or GFRP/BFRP reinforcing

**Other Affected Offices / Documents:** (Provide name of person contacted)

- | Yes                      | No                                  |                             |
|--------------------------|-------------------------------------|-----------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Standard Plans –      |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | FDOT Design Manual –        |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Basis of Estimates Manual – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Standard Specifications –   |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Approved Product List –     |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Construction –              |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Maintenance –               |

**Origination Package Includes:**

(Email or hand deliver package to Rick Jenkins)

- | Yes                                 | N/A                                 |  |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Redline Mark-ups                         |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Proposed Standard Plan Instruction (SPI) |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Revised SPI                              |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Other Support Documents                  |

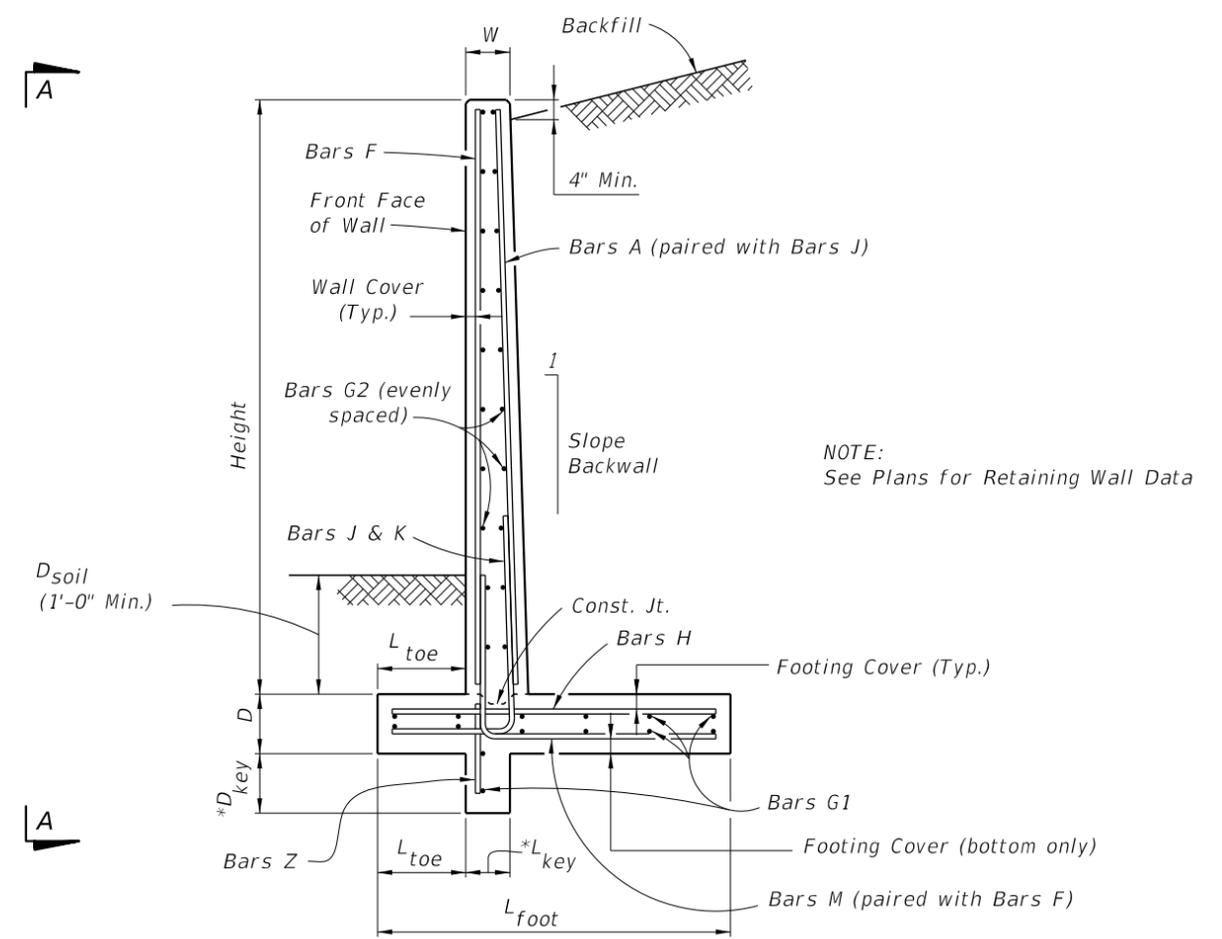
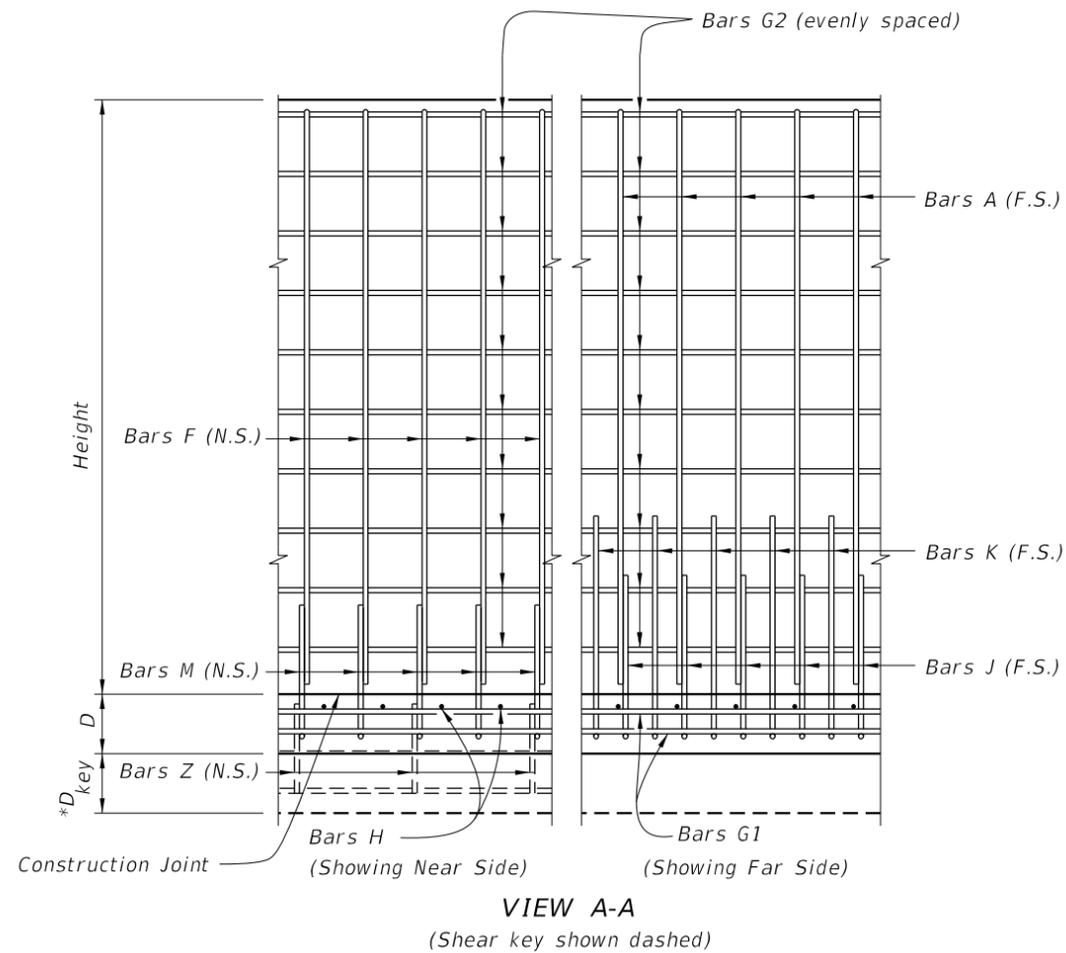
**Implementation:**

- Design Bulletin (Interim)
- DCE Memo
- Program Mgmt. Bulletin
- FY-Standard Plans (Next Release)

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Contact the Roadway Design Office for assistance in completing this form

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NOTE:  
See Plans for Retaining Wall Data

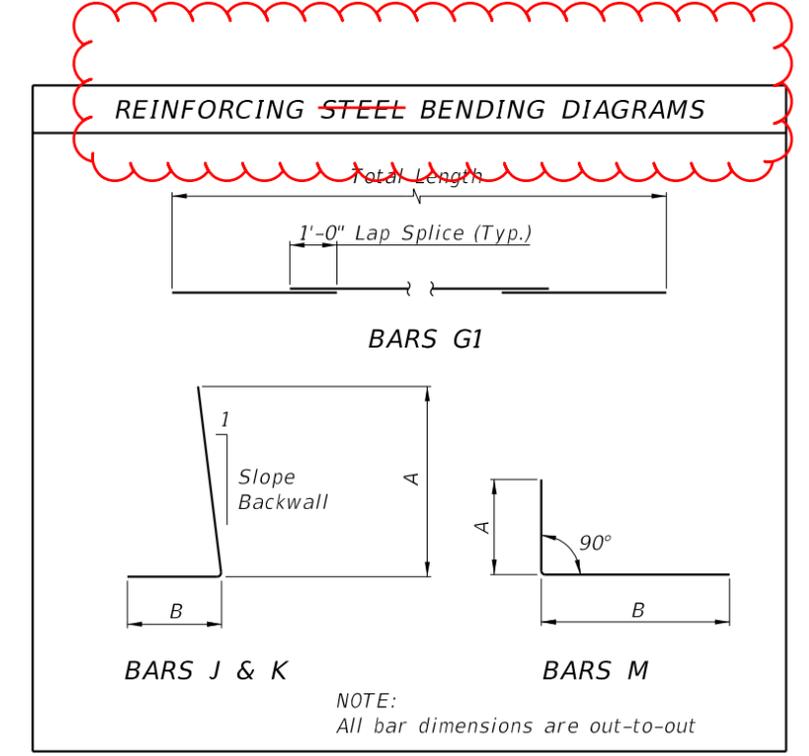
\* Shear Key is required only when specified in the Plans.

**NOTES**

**TRAFFIC RAILINGS OR PARAPETS:**  
If there is a Traffic Railing or Parapet on the wall, align Wall Joints with V-Grooves, and Wall Expansion Joints with Barrier Open Joints.

**FOUNDATION:**  
Prepare the soil below the footing in accordance with the requirements for spread footings in Specification Section 455.

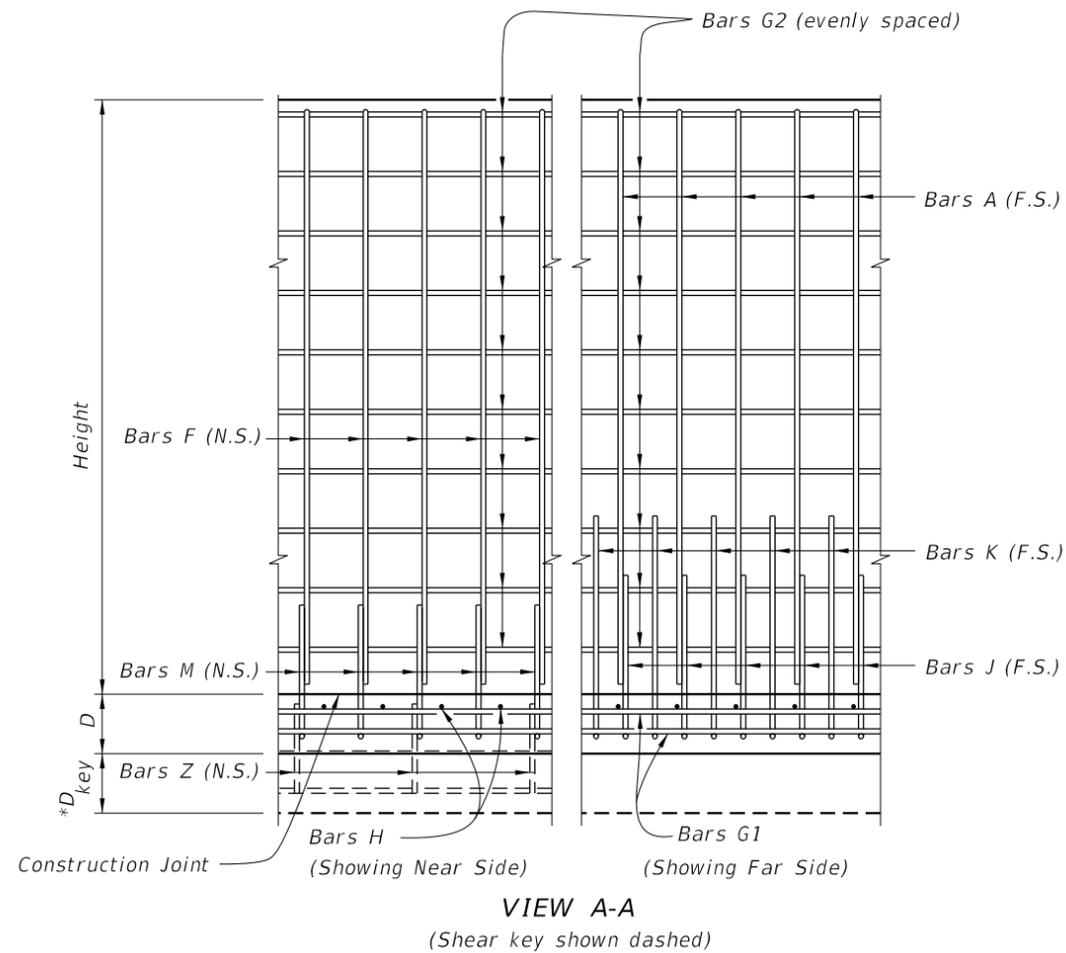
**TYPICAL SECTION**



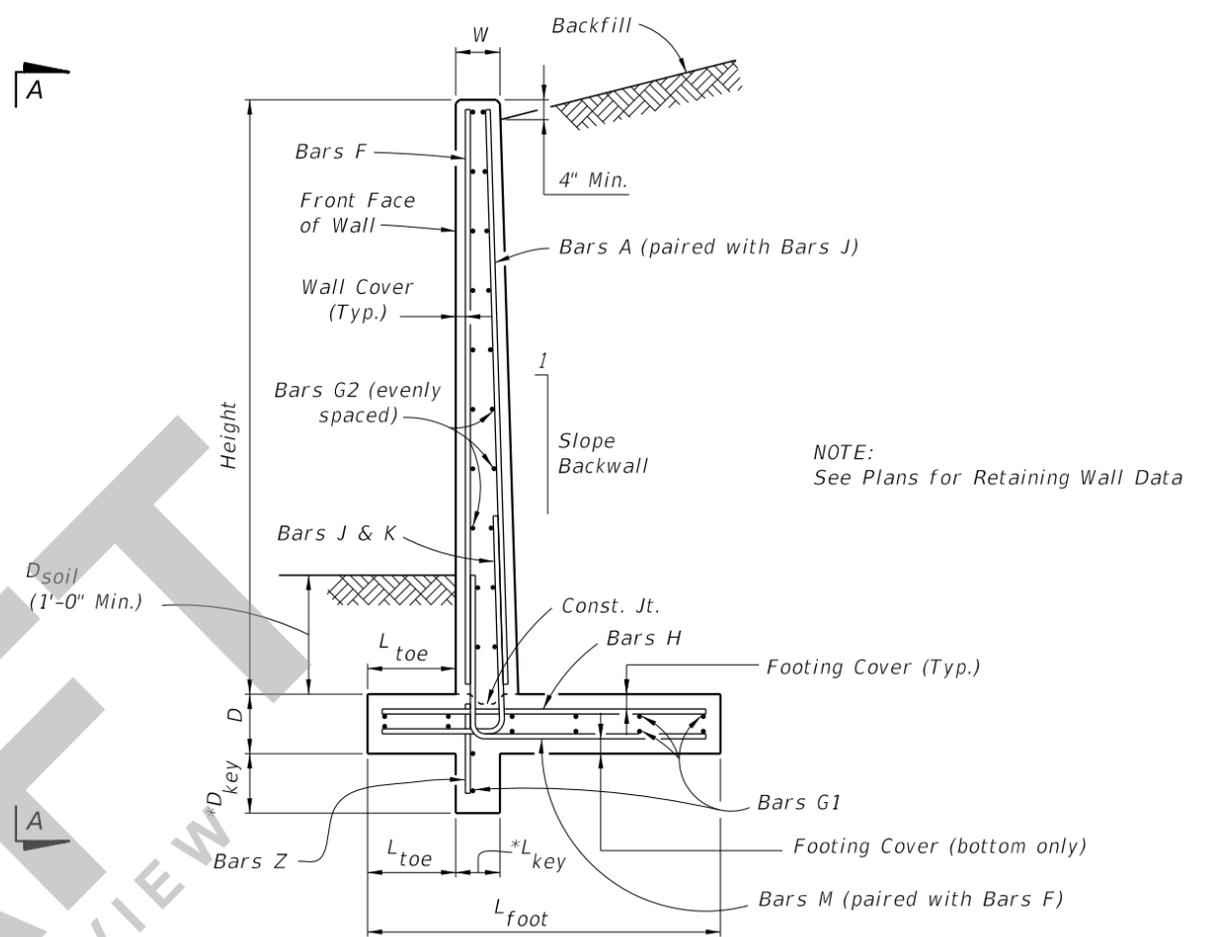
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LAST REVISION 11/01/17	REVISION	DESCRIPTION:		FY 2020-21 STANDARD PLANS	CANTILEVER RETAINING WALL (C-I-P)	INDEX 400-010	SHEET 1 of 2
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**VIEW A-A**  
(Shear key shown dashed)



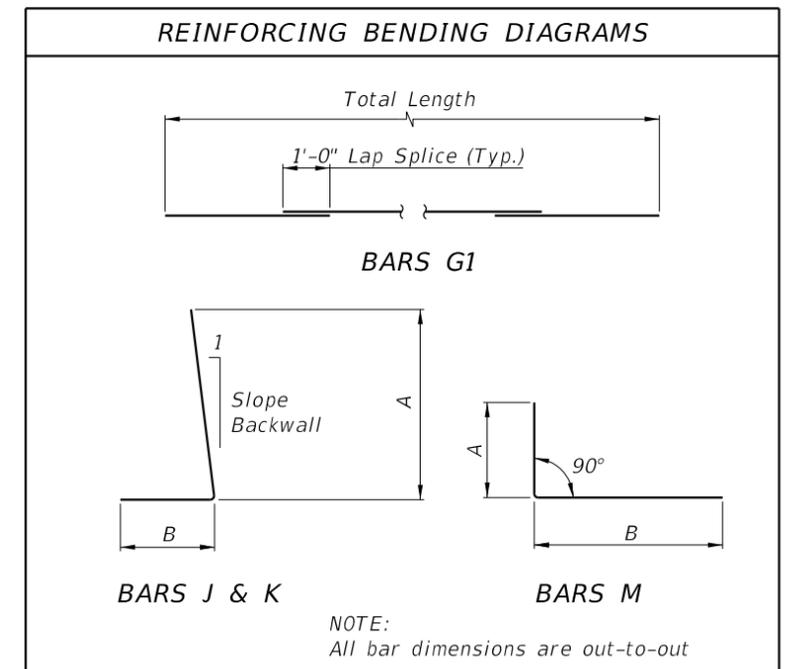
NOTE:  
See Plans for Retaining Wall Data

**TYPICAL SECTION**

**NOTES**

**TRAFFIC RAILINGS OR PARAPETS:**  
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**FOUNDATION:**  
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\* Shear Key is required only when specified in the Plans.

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LAST REVISION 11/01/20	DESCRIPTION:
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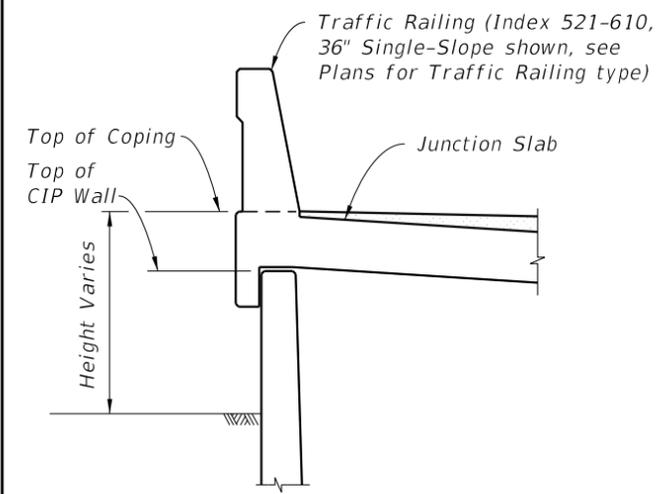
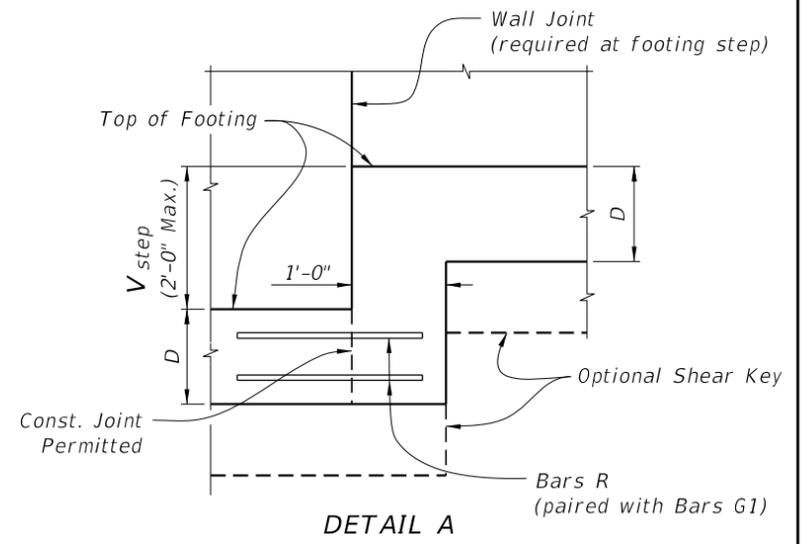
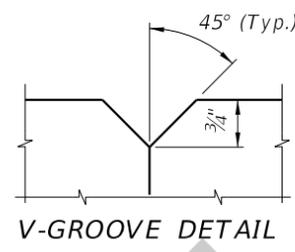
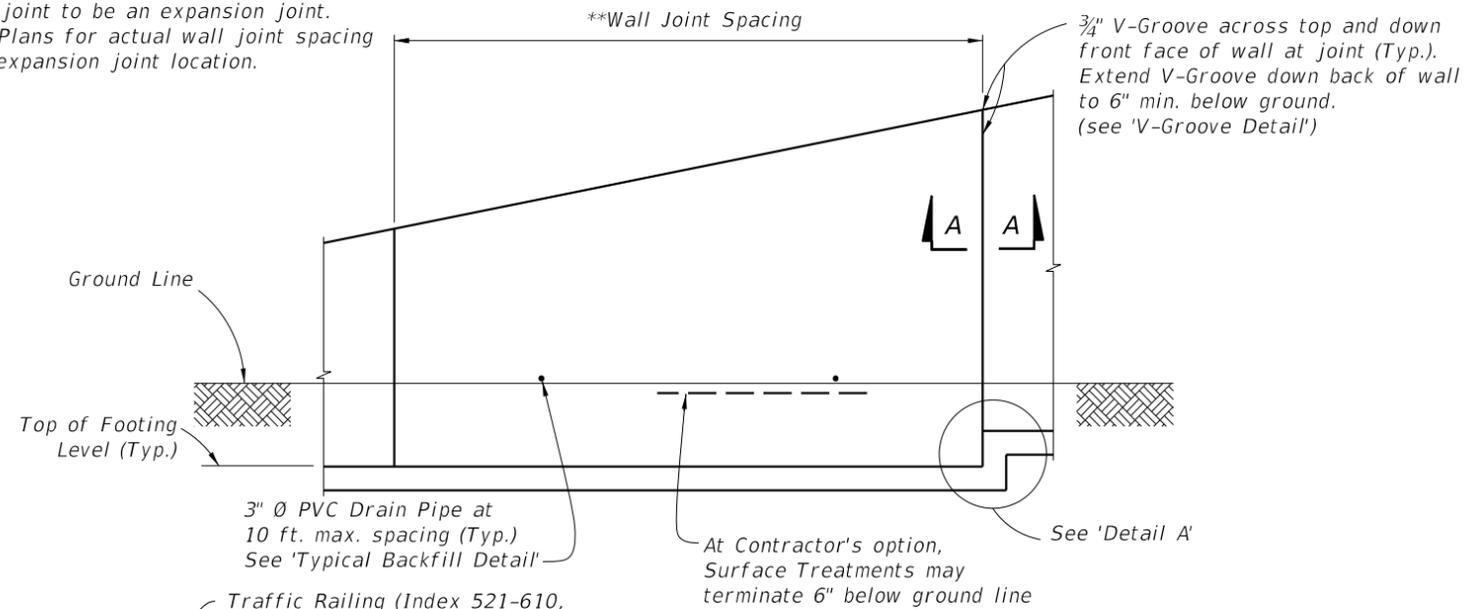
FY 2020-21  
STANDARD PLANS

CANTILEVER RETAINING WALL (C-I-P)

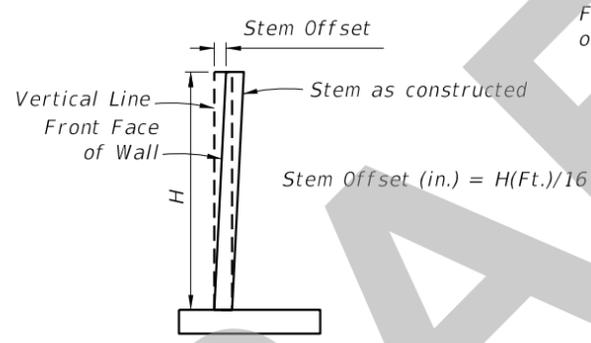
INDEX  
400-010

SHEET  
1 of 2

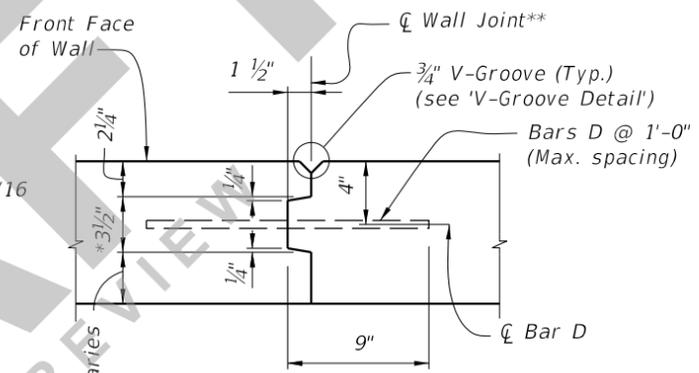
\*\*Wall joint spacing 25 ft. maximum and 5' minimum. At minimum, every fourth wall joint to be an expansion joint. See Plans for actual wall joint spacing and expansion joint location.



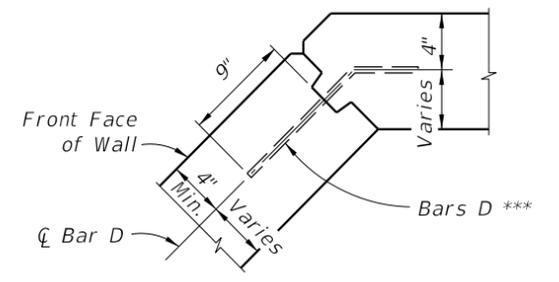
FRONT ELEVATION



STEM OFFSET VALUES  
(for H < 20 Ft.)

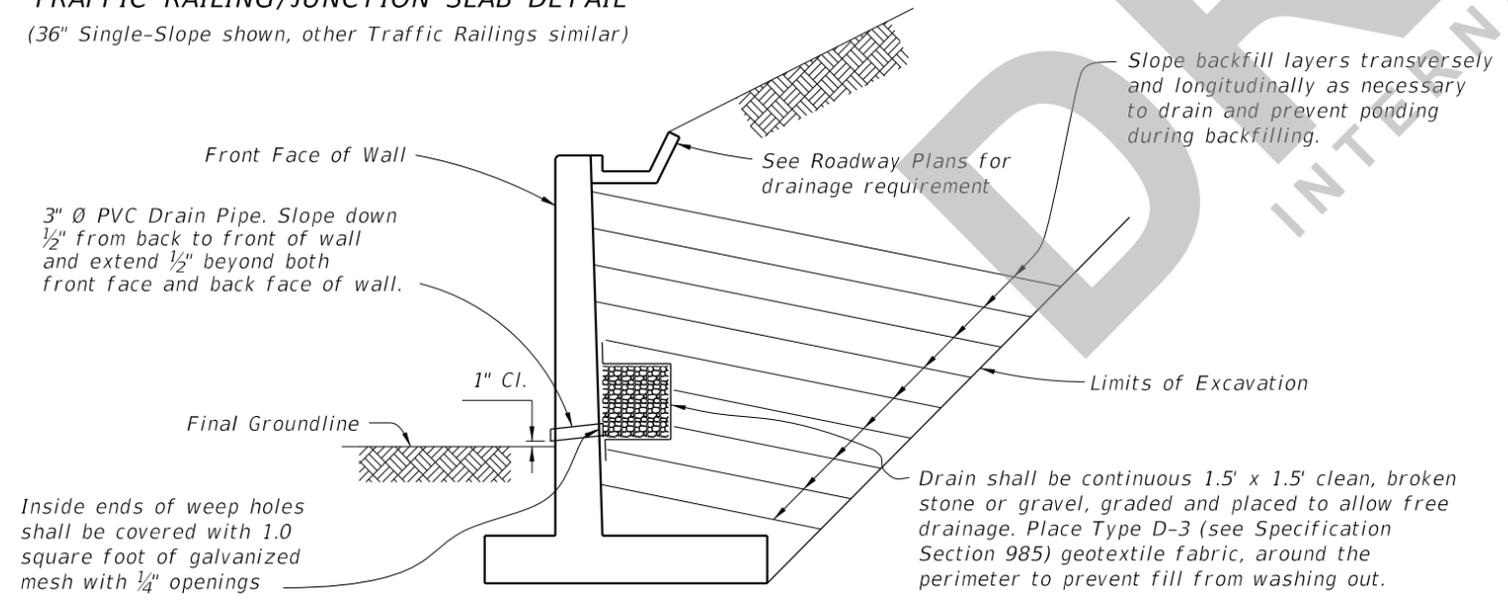


SECTION A-A  
WALL JOINT DETAIL

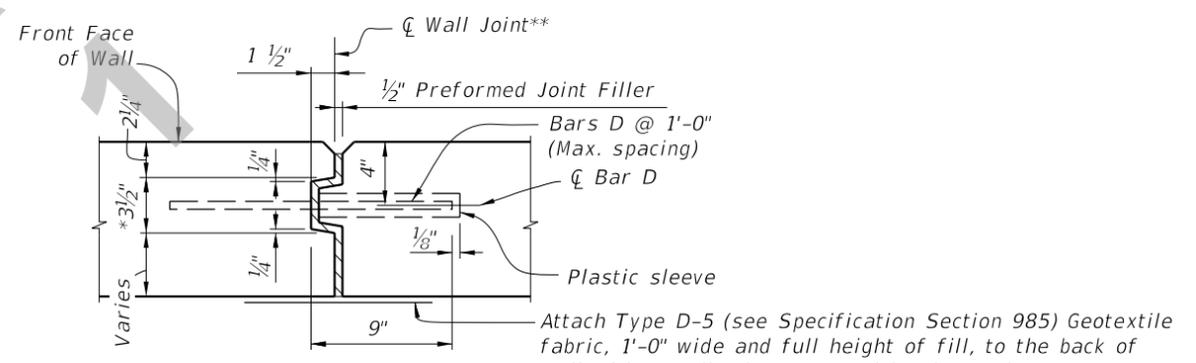


TYPICAL CORNER JOINT DETAIL

TRAFFIC RAILING/JUNCTION SLAB DETAIL  
(36" Single-Slope shown, other Traffic Railings similar)



TYPICAL BACKFILL DETAIL



SECTION A-A  
EXPANSION JOINT DETAIL

- \* Key to stop at top of footing and 6" from top of wall. Joint across footing and top of wall to be a straight line.
- \*\* Stay-In-Place Plastic Preformed Bond Beakers are permitted to form joints.
- \*\*\* Bars D: Where a bend is required to maintain clearances, submit bend angle to GFRP supplier; steel reinforcing may be field bent.

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LAST REVISION 11/01/20	DESCRIPTION:	 FY 2020-21 STANDARD PLANS	CANTILEVER RETAINING WALL (C-I-P)	INDEX 400-010	SHEET 2 of 2
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