NOTES

DESIGN SPECIFICATIONS:


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.

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

REINFORCING STEEL BENDING DIAGRAMS

NOTE:

All bar dimensions are out-to-out.
**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.**

**Ground Line**

Top of Footing Level (Typ.)

3" Ø PVC Drain Pipe at 10 ft. max. spacing (Typ.)

See Typical Backfill Detail

At Contractor's option, Surface Treatments may terminate 9" below ground line

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**V-GROOVE DETAIL**

**Wall Joint**

Top of Footing (required at footing step)

Const. Joints permitted (keyway not required)

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**Front Elevation**

**V-Groove**

Across top and down front face of wall at joint (Typ.)

Extend V-Groove down back of wall to 8' min. below ground.

(see V-Groove Detail)

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**Traffic Railing Index No. 420, 32" F-Shape shown, See Plans for Traffic Railing type**

(for 32" F-Shape Traffic Railing as shown, see Index No. 420)

(for 32" Vertical Shape Traffic Railing, see Index No. 422)

(for 42" Vertical Shape Traffic Railing, see Index No. 422)

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**Junction Slab**

(See Index Series 6100)

Traffic Railing (Index No. 420, 32" F-Shape shown, see Plans for Traffic Railing type)

Junction Slab (See Index Series 6100)

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**Typical Backfill Detail**

Drain shall be continuous 1.5' x 1.5' clean, broken stone or gravel, graded and placed to allow free drainage. Place Type D-3 (see Specification Section 985) geotextile fabric, 1'-0" wide and full height of fill, to the back of wall with an adhesive approved by the Engineer.

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**Typical Corner Joint Detail**

Attach Type D-5 (see Specification Section 985) Geotextile fabric, 1'-0" wide and full height of fill, to the back of wall with an adhesive approved by the Engineer.

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**Typical Wall Joint Detail**

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**Typical Expansion Joint Detail**

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**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.**

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**Stay-In-Place Plastic Preformed Bond Beakers are permitted to form joints.**

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**Description:**

**Final Groundline**

Inside ends of weep holes shall be covered with 1.0 square foot of galvanized mesh with 1/8" openings

**Typical CIP Wall**

C-I-P CANTILEVER RETAINING WALL