**GENERAL NOTES**

1. C-I-P Gravity Walls constructed as extensions of reinforced concrete retaining walls, except walls of proprietary designs, shall have the same face texture and finish as the reinforced concrete retaining wall.

2. Concrete for Gravity Wall shall be Class NS per Section 347.

3. Concrete for Scheme 3 Junction Slab and Traffic Railing shall be Class II per Section 348, unless otherwise specified in the plans.

4. Reinforcing steel shall meet the requirements of Specification Section 931 (Grade 40 or 60). Smooth or Deformed Welded Wire Reinforcement (WWR) may be used on an equal area basis. Do not increase bar/wire spacing for Grade 60 reinforcing steel or WWR.

5. When required, for adjacent guiderail, see Index 515-080 as appropriate. For adjacent Type B fence see Index 550-002.

6. Joint Seal: Organic Felt bond breaker in accordance with Specification Section 400 or Type D-3 geotextile fabric in accordance with Specification Section 985. Map all contact surfaces of concrete and Organic Felt or geotextile fabric with cut-back asphalt. Stop Organic Felt or geotextile fabric 6" below top of wall.

7. Provide a continuous 1 1/2" clean gravel or crushed rock drain for wall heights > 2'-0". Type D-3 geotextile fabric in accordance with Specification Section 985. Provide 1 1/2" thick geotextile fabric with 1 1/2" openings, at the inside radius of the PVC Drain Pipe. Provide 1 1/2" PVC Drain Pipe (Sch. 40) at 10 ft. max. spacing. Locate drain pipes, drainage layer, galvanized mesh and geotextile fabric to be included in the Contract Unit Price for Concrete Class NS, Gravity Wall. Cost of concrete for Scheme 1 Junction Slab and Traffic Railing shall be included in Contract Unit Price for Concrete Traffic Railing Barrier with Junction Slab. Adjacent railings or fences to be paid separately.

8. Do not increase bar/wire spacing for Grade 60 reinforcing steel. Reinforcement (WWR) may be substituted on an equal area basis.


**ESTIMATED QUANTITIES NOTES:**

For Scheme 3 Junction Slab and Traffic Railing see the referenced Index for estimated quantities.

1. Quantity for 2'-0" Toe Depth.

2. Quantity for Scheme 3 assumes 1'-3" thick coping above Gravity Wall.

**BILL OF REINFORCING STEEL**

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**BAR BENDING DIAGRAM**

**KEYWAY & WALL JOINT DETAIL**

**TYPICAL SECTION**

**C-I-P CONCRETE GRAVITY WALL**

**ESTIMATED QUANTITIES FOR C-I-P WALL**

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<th>HEIGHT (FT.)</th>
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<th>SCHEME 3</th>
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</table>

**REINFORCING STEEL**

1. C-I-P Gravity Walls constructed as extensions of reinforced concrete retaining walls, except walls of proprietary designs, shall have the same face texture and finish as the reinforced concrete retaining wall.

2. Concrete for Gravity Wall shall be Class NS per Section 347.

3. Concrete for Scheme 3 Junction Slab and Traffic Railing shall be Class II per Section 348, unless otherwise specified in the plans.

4. Reinforcing steel shall meet the requirements of Specification Section 931 (Grade 40 or 60). Smooth or Deformed Welded Wire Reinforcement (WWR) may be used on an equal area basis. Do not increase bar/wire spacing for Grade 60 reinforcing steel or WWR.

5. When required, for adjacent guiderail, see Index 515-080 as appropriate. For adjacent Type B fence see Index 550-002.

6. Joint Seal: Organic Felt bond breaker in accordance with Specification Section 400 or Type D-3 geotextile fabric in accordance with Specification Section 985. Map all contact surfaces of concrete and Organic Felt or geotextile fabric with cut-back asphalt. Stop Organic Felt or geotextile fabric 6" below top of wall.

7. Provide a continuous 1 1/2" clean gravel or crushed rock drain for wall heights > 2'-0". Type D-3 geotextile fabric in accordance with Specification Section 985. Provide 1 1/2" thick geotextile fabric with 1 1/2" openings, at the inside radius of the PVC Drain Pipe. Provide 1 1/2" PVC Drain Pipe (Sch. 40) at 10 ft. max. spacing. Locate drain pipes, drainage layer, galvanized mesh and geotextile fabric to be included in the Contract Unit Price for Concrete Class NS, Gravity Wall. Cost of concrete for Scheme 3 Junction Slab and Traffic Railing shall be included in Contract Unit Price for Concrete Traffic Railing Barrier with Junction Slab. Adjacent railings or fences to be paid separately.

8. Do not increase bar/wire spacing for Grade 60 reinforcing steel. Reinforcement (WWR) may be substituted on an equal area basis.


**ESTIMATED QUANTITIES NOTES:**

For Scheme 3 Junction Slab and Traffic Railing see the referenced Index for estimated quantities.

1. Quantity for 2'-0" Toe Depth.

2. Quantity for Scheme 3 assumes 1'-3" thick coping above Gravity Wall.