GENERAL NOTES

1. The general purpose of the inlet top designs are:
   a. For ditches, medians or other areas subject to heavy wheel loads. This
      inlet may be placed in areas subject to occasional pedestrian traffic such
      as landscaped areas and pavement areas where pedestrians can walk
      around the inlet.
   b. Provide full grate and horizontal slot designs for new construction.
   c. Provide full grate and horizontal slot designs for replacing the vertical
      slot tops on existing Inlets Type B and Type X that are in locations
      subject to occasional pedestrian traffic.

2. All reinforcing is Grade 60 bars with 2” min. cover unless otherwise noted.
   See Index No. 201 for equivalent area of welded wire fabric. Bars to be cut
   or bent for min. 25” clearspace around pipe.

3. All exposed edges and corners shall be 3/8” chamfer or beveled to 45° radius.

4. When alternate G grates are specified in the plans, the grates are to be hot-dip
   galvanized after fabrication.

5. Cost for constructing traversable tops on new inlet boxes shall be included in
   the contract unit price for Inlets (DOT BDDT) (Type B), EL, and shall include the
   cost for surrounding concrete inlet pavement.
   Existing Inlets Type B and Inlet Type X that are converted to traversable inlet
   tops shall be paid for under the contract unit price for Inlets (DOT BDDT) (Type B)
   (Partial), EL. Unit price and payment shall be full compensation for inlet.
   conversion and shall include the removal and disposal of any existing concrete
   inlet pavement the removal and stocking of disposal of sufficient material
   from the existing inlet box to facilitate construction of the required inlet top;
   construction of the required inlet conversion backfill; construction of
   concrete inlet pavement grading, supplementing, transferring or repaving
   grates as required by plans or as directed by the Engineer; any required
   earthwork for ditch restoration within 5’ of the inlet and, restoration of disturbed
   turf.

6. Ditch pavement shall be paid for, separate from the inlet and concrete inlet
   pavement, by pavement types and units as called for in the plans.

7. Side will be paid for under the contract unit price for Performance Turf, SY.

8. For supplementary details see Index No. 201.

9. All dimensions are for both precast and cast-in-place inlets unless otherwise noted.

DESIGN NOTES

1. The type of top (single or double slots) depends on the approach ditch
   configuration and the hydraulic requirements of the site. The designer will
   indicate in the plans the type of top to be constructed at each individual inlet
   location.

   On existing inlets, conversion grates shall be constructed at the original grate
   elevations unless other elevations are called for in the plans. When plans call
   for the inlet top to be constructed to support storm water detention, details for ditch
   modifications and underdrains shall be shown in the plans.

MAINTENANCE NOTES

1. Traversable inlet tops that are constructed by maintenance contract or by
   maintenance forces may reuse the existing grates that are determined by the
   Maintenance Engineer to be functionally sound, and their reuse is so directed
   by the Maintenance Engineer. Existing grates approved for reuse and new
   grates may be mixed, matched or replaced as directed by the Maintenance
   Engineer.

TRaversable TOPS FOR INLETS TYPE B AND
FOR CONVERSIONS OF EXISTING INLETS TYPE B AND TYPE X
ALT. A STRUCTURE BOTTOM FOR INLET TYPE B

TOP SLAB OPENINGS

<table>
<thead>
<tr>
<th>DIAMETER</th>
<th>OPENING SIZE</th>
<th>MIN</th>
<th>MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>6'-0&quot; to 8'-0&quot;</td>
<td>3'-0&quot; x 4'-0&quot;</td>
<td>3'-10&quot; x 4'-0&quot;</td>
<td></td>
</tr>
</tbody>
</table>

TOP SLAB REINFORCING DIAGRAM

SECTION AA

SECTION BB

TOP SLAB REINFORCING SCHEDULE

<table>
<thead>
<tr>
<th>SCHEDULE</th>
<th>GRADE 60 (BAR) OR 65 KSI &amp; 70 KSI (WIDE FABRIC) DUR/FT</th>
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<tbody>
<tr>
<td>A</td>
<td>0.20</td>
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<tr>
<td>B</td>
<td>0.24</td>
</tr>
<tr>
<td>C</td>
<td>0.32</td>
</tr>
<tr>
<td>D</td>
<td>0.53</td>
</tr>
<tr>
<td>E</td>
<td>0.77</td>
</tr>
<tr>
<td>F</td>
<td>1.26</td>
</tr>
<tr>
<td>G</td>
<td>1.45</td>
</tr>
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</table>

TOP SLAB WITH CENTERED OPENING

<table>
<thead>
<tr>
<th>SLAB DEPTH</th>
<th>REINFORCING (5 WAYS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIZE 6'-0&quot;</td>
<td></td>
</tr>
<tr>
<td>0.5'-0&quot;</td>
<td>B</td>
</tr>
<tr>
<td>8'-0&quot;</td>
<td>C</td>
</tr>
<tr>
<td>10'-0&quot;</td>
<td>D</td>
</tr>
<tr>
<td>17'-40&quot;</td>
<td>G</td>
</tr>
<tr>
<td>SIZE 8'-0&quot;</td>
<td></td>
</tr>
<tr>
<td>20'-0&quot;</td>
<td>C</td>
</tr>
<tr>
<td>9'-15&quot;</td>
<td>D</td>
</tr>
<tr>
<td>15'-23&quot;</td>
<td>E</td>
</tr>
<tr>
<td>23'-33&quot;</td>
<td>E</td>
</tr>
<tr>
<td>33'-40&quot;</td>
<td>G</td>
</tr>
</tbody>
</table>