PLAN VIEW

SECTION A-A

NOTES:
1. SEE 2700 SERIES DETAILS FOR PCC JOINT TYPES.
2. 1.5 % CROSS SLOPE OR AS SHOWN IN CONTRACT DOCUMENTS

LOCATION STATION

WIDTH OF INSERT AT CENTER OF INTAKE 3'-6"

FACE OF NORMAL CURB

TROWEL SMOOTH AND PLACE SUBGRADE PAPER TO PREVENT BOND

EXISTING PAVEMENT

OPTIONAL KEYED CONSTRUCTION JOINT

SEE NOTE 4

VARIABLE 4.0' MIN. 10.0' MAX.

POSSIBLE OUTLET PIPE

OUTLET ELEV.

CONCRETE FILLET

KEYED CONSTRUCTION JOINT

FLOW

2" CLEAR BASE

OUTLET ELEV.

FLOW

6" 2.0' 1.0'

TOP

NOTE 2

5b3

1'-9"

5b2

FORM GRADE ELEVATION

1-1/2" CLEAR

SPECIAL SHAPING CHANNEL

INLET ELEV.

5c1

POSSIBLE INLET PIPE

6" 5a2 3.0" 5a1

EXISTING PAVEMENT JOINT

EXISTING PAVEMENT JOINT

CURB MIN 2'-6"

MINIMUM 1'-6"

TO BACK OF CURB

MATCH EXISTING OR PROPOSED TRANSVERSE PAVEMENT JOINTS

13'-0" MIN., 20'-0" MAX.

EDGE TO 1/4 RADIUS

'EE' JOINT

EXISTING PAVEMENT

LOCATION STATION

'E' JOINT

5c3

5b4

5c3

5b3

5c3

SEE CASTING CHART IN APPENDIX A SECTION 2400

TRANSITION TO 6" CURB WITHIN FLUME AREA

CEDAR RAPIDS METROPOLITAN AREA
STANDARD DETAILS FOR PUBLIC IMPROVEMENTS

FILE NO.: 2400-064
APPROVAL DATE: APRIL 2003
REVISION NO.: 2
REVISION DATE: MAY 2014
METRO RA-3 - SHEET 1 OF 3
INTAKE

NO. 2400-064
INSERT DETAIL

KEYED CONSTRUCTION

JOINT DETAIL
# Reinforcing Bar List

<table>
<thead>
<tr>
<th>Bar</th>
<th>Location</th>
<th>Shape</th>
<th>No.</th>
<th>Length</th>
<th>Lin. Ft.</th>
<th>Weight</th>
<th>Spacing</th>
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<tbody>
<tr>
<td>5a1</td>
<td>Base</td>
<td>5</td>
<td>3’-8”</td>
<td>18</td>
<td>12</td>
<td>14”</td>
<td></td>
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<tr>
<td>5a2</td>
<td>Base</td>
<td>4</td>
<td>4’-8”</td>
<td>19</td>
<td>13</td>
<td>14 1/2”</td>
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<tr>
<td>5b1</td>
<td>Top</td>
<td>2</td>
<td>4’-8”</td>
<td>9</td>
<td>10</td>
<td>SEE DETAIL</td>
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<tr>
<td>5b2</td>
<td>Top</td>
<td>4</td>
<td>3’-3”</td>
<td>13</td>
<td>14</td>
<td>SEE DETAIL</td>
<td></td>
</tr>
<tr>
<td>5b3</td>
<td>Top</td>
<td>3</td>
<td>4’-8”</td>
<td>14</td>
<td>15</td>
<td>SEE DETAIL</td>
<td></td>
</tr>
<tr>
<td>5c1</td>
<td>Walls</td>
<td>5</td>
<td>2’-3”</td>
<td>11</td>
<td>12</td>
<td>12”</td>
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<tr>
<td>5c2</td>
<td>Walls</td>
<td>Varies</td>
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<tr>
<td>5c3</td>
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<td>12”</td>
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<td>5cl</td>
<td>Insert</td>
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<td>11’-4”</td>
<td>68</td>
<td>45</td>
<td>77</td>
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<td>19’-4”</td>
<td>116</td>
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</tbody>
</table>

**Notes:**

1. All reinforcing bars shall be ASTM A615, Grade 60.

2. Dimensions shown hereon are for the construction of a normal 6 inch curb as a part of the pavement. Modifications may be made to conform to other curb shapes and intake designs when necessary.

3. A concrete fillet shall be constructed in the bottom of the intake to provide a smooth channel through the intake. Top surface of the fillet shall slope approximately 1”/foot toward the channel.

4. Intake base and walls shall be constructed to point noted prior to pavement construction. After pavement construction, remainder of walls, top and insert shall be constructed.

5. Cast sleeved openings through walls for subdrain if necessary.