1. PATTERNS USED IN DRAWING:

INLET SECTIONS:

- CATCH BASIN BOTTOMS:

PAVEMENT:

- CATCH BASIN - TYPE 1A

- INLET - TYPE 1A

- CATCH BASIN - TYPE 2A

- INLET - TYPE 2A

NOTES:

1. PATTERNS USED IN DRAWING:

INLET SECTIONS:

- CATCH BASIN BOTTOMS:

PAVEMENT:

- CATCH BASIN - TYPE 1A

- INLET - TYPE 1A

- CATCH BASIN - TYPE 2A

- INLET - TYPE 2A

2. INLETS AND CATCH BASINS MAY BE EITHER PRECAST OR CAST-IN-PLACE.

- PRECAST UNITS SHALL MEET THE REQUIREMENTS OF ASTM C 656. PRIOR APPROVAL OF SHOP DRAWINGS WILL BE REQUIRED (MODIFIED UNITS).

3. A 1" SIDE DRAFT IS ALLOWED FOR FORM REMOVAL.

4. CAST-IN-PLACE INLETS AND CATCH BASINS SHALL CONFORM TO SECTION 609 - MINOR STRUCTURES OF THE CURRENT ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

5. THE GRADE LINE OF THE TOP INSIDE OF ANY PIPE SHALL ENTER AT A POINT NO LOWER THAN THE TOP INSIDE OF THE OUTLET PIPE.

6. PIPE CAN ENTER OR LEAVE THE BOX IN ANY DIRECTION. ALL CONNECTIONS AND BROKEN AREAS SHALL BE GROUTED SMOOTH.

7. STEEL ANGLES SHALL BE SET SO THAT EACH BEARING BAR OF PREFABRICATED GRATE SHALL HAVE FULL BEARING ON BOTH ENDS. THE FINISHED TOP OF CONCRETE SHALL BE EVEN WITH THE ANGLE/GRATE SURFACE. THE STRUCTURAL STEEL NEED NOT BE PAINTED BUT SHALL MEET THE REQUIREMENTS OF ASTM A 36.

8. STEEL ANGLES SHALL BE SET SO THAT EACH BEARING BAR OF PREFABRICATED GRATE SHALL HAVE FULL BEARING ON BOTH ENDS. THE FINISHED TOP OF CONCRETE SHALL BE EVEN WITH THE ANGLE/GRATE SURFACE. THE STRUCTURAL STEEL NEED NOT BE PAINTED BUT SHALL MEET THE REQUIREMENTS OF ASTM A 36.


10. INLETS/CATCH BASIN GRATES MAY EITHER BE RESISTANCE WELDED OR ARC WELDED. IN EITHER CASE THE GRATE SHALL BE TRUE AND FLUSH.

11. GRADE 8 WILL BE PROVIDED ONLY WHEN SPECIFIED.

12. NOT TO SCALE.
SECTION A-A

PLAN

SECTION B-B

INLET - TYPE 3A
CATCH BASIN - TYPE 3A

SEE NOTE NO. 1 (TYPICAL)

REVISIONS

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

IDaho TRANSPORTATION DEPARTMENT

BOISE, IDAHO

STANDARD DRAWING

INLETS & CATCH BASINS
TYPES 1A, 2A, & 3A

REQUIRES SHEET 1 OF 2

SHEET 2 OF 2

CROSS BARS:
\( \frac{3}{4} \times \frac{3}{4} \times 2'-0" \) ON RECTANGULAR BAR
OF EQUIVALENT AREA
NOTE: CROSS BARS NOTCHED THROUGH BEARING BARS

PLAN

BEARING BARS (Included)

MIN. SLOPE

1" PER FT.

SURFACE

PAVEMENT

FINISHED SURFACE

BEARING BARS

3" x 3½"

1'-0"

6"

2'-6" MIN.

VARIABLE

2'-1"

SURFACE

PAVEMENT

SECTION C-C

PLAN

3'-10½"

OUTER BEARING BARS
(9) 3½" x 3½"

10 SPACES @
2'-0"

(2) 3½" x 3½"

CROSS BARS:
\( \frac{3}{4} \times \frac{3}{4} \times 2'-0" \) ON RECTANGULAR BAR
OF EQUIVALENT AREA
NOTE: CROSS BARS NOTCHED THROUGH BEARING BARS

SECTION C'-C'

PLAN

SECTION A-A

PLAN

11 SPACES @
4" = 3'-8"

11 SPACES @
4" = 3'-8"

BARS 3½" x 3½"

WEIGHT: APPROXIMATELY 202 LBS., SEE NOTE 9 & 10

CROSS BARS:
\( \frac{3}{4} \times \frac{3}{4} \times 2'-0" \) ON RECTANGULAR BAR
OF EQUIVALENT AREA
NOTE: CROSS BARS NOTCHED THROUGH BEARING BARS

WEIGHT: APPROXIMATELY 185 LBS., SEE NOTE 9 & 10

(WEIGHT: APPROXIMATELY 202 LBS., SEE NOTE 9 & 10)

(WEIGHT: APPROXIMATELY 185 LBS., SEE NOTE 9 & 10)

TYPES 1A, 2A, & 3A
INLETS & CATCH BASINS