ADDED & REVISED DIMENSION TO SECTION A-A

REVISED ASTM REF. TO AASHTO AND ADDED ON APPLICABLE STD. BARREL DRAWING

NOTE: ADDITIONAL REINFORCING STEEL TO BE INCLUDED TO BE THE SAME AS THOSE SHOWN

DIMENSIONS & REINF. BARS FOR D.I. FOR R.C. BOX CULVERTS.

NOTE: ADDITIONAL REBAR TO BE INCLUDED FOR SKEWED BOX CULVERTS.

ALL DROP INLETS TO HAVE "C" CLEARANCE. LARGER BOXES TO HAVE 2" CLEARANCE.

THE COMPLETE PIPE GRATE SHALL BE PAINTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

APPLENT WEIGHT = 11 LBS. (CAST IRON) BE USED WITH PRIOR APPROVAL OF THE ENGINEER.

NOTE: THIS DETAIL IS TYPICAL. OTHERS MAY BE REQUIRED.

2. STEEL PIPE FOR GRATES SHALL BE "STANDARD WEIGHT" PIPE

4. ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.

5. ALL #4 AND #5 REINFORCING BARS TO HAVE 1 1/2" COVER. LARGER PIPE THICK.

6. THE COMPLETE PIPE GRATE SHALL BE PAINTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

NOTE: DIMENSIONS SHOWN ABOVE ARE FOR PIPES TO BE SHIFTED.

OR AXIS OF INTERSECTING PIPES WILL NEED TO BE SHIFTED.

FOR SKEWED PIPES INTERSECTING BOTH SIDES INTERSECTING DROP INLET ON ONE SIDE ONLY.

WHEN "H" IS LESS THAN 4'-0" STEPS 16" C.C.

NOT REQUIRED ON APPLICABLE NO. BARREL DRAWING FOR R.C. BOX CULVERTS.

GENERAL NOTES:

1. STEEL PIPE FOR D.I. SHALL CONFORM TO ONE OF THE FOLLOWING: ASTM A53 NATIONAL STANDARD PIPE.

2. STEEL FOR D.I. SHALL CONFORM TO ASTM A193, GRADE B8 CLASS 1 OR 2, ASTM A307 OR AASHTO M164.

REQUIREMENTS OF SECTION 807. BOLTS SHALL CONFORM TO ONE OF THE

CLASSES TO HAVE 2" COVER.

"H" (HEIGHT)

OF TRAFFIC

"W" EXCEEDS 4'

"W" = 4'-0"

"W" EXCEEDS 4'