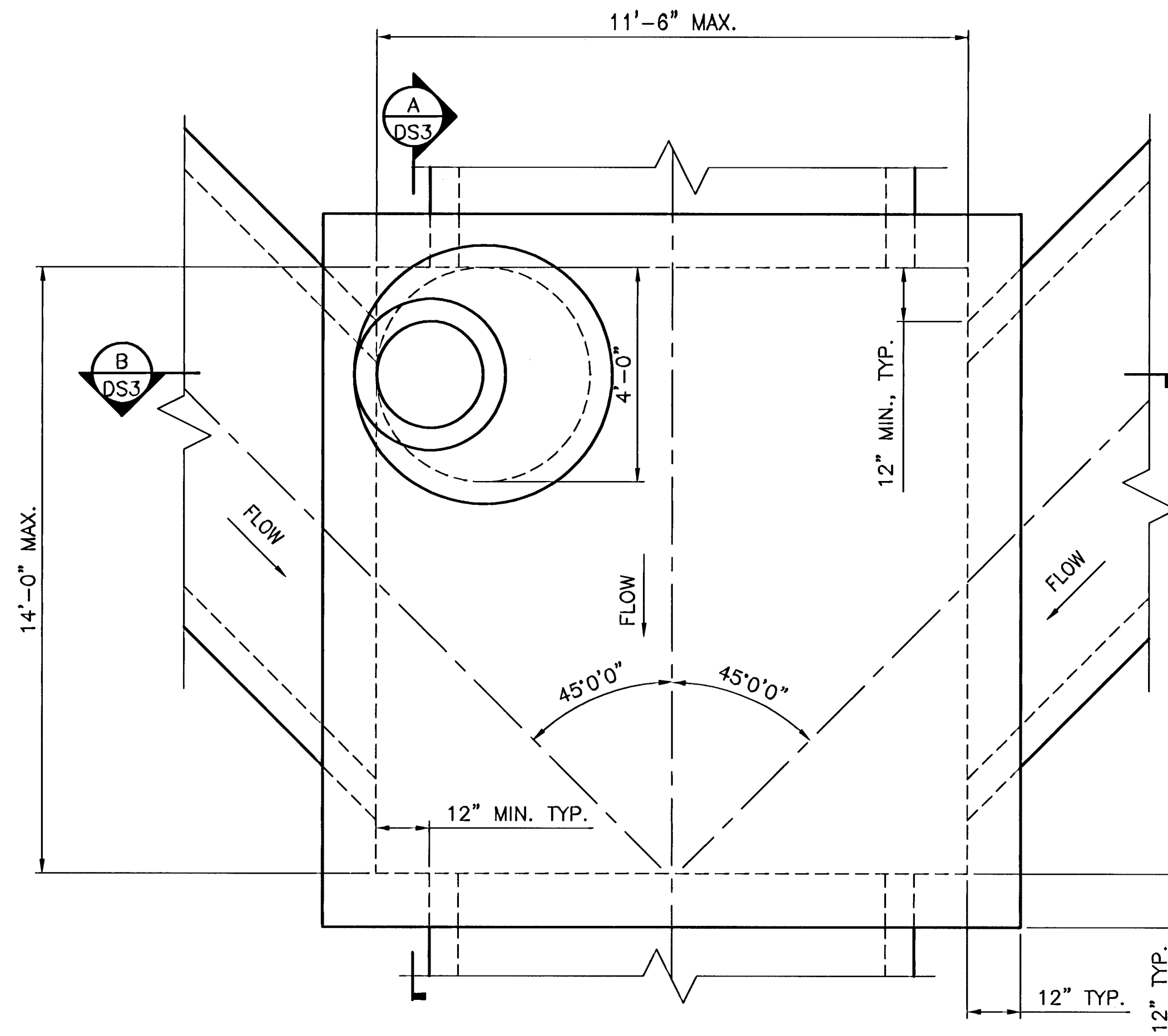


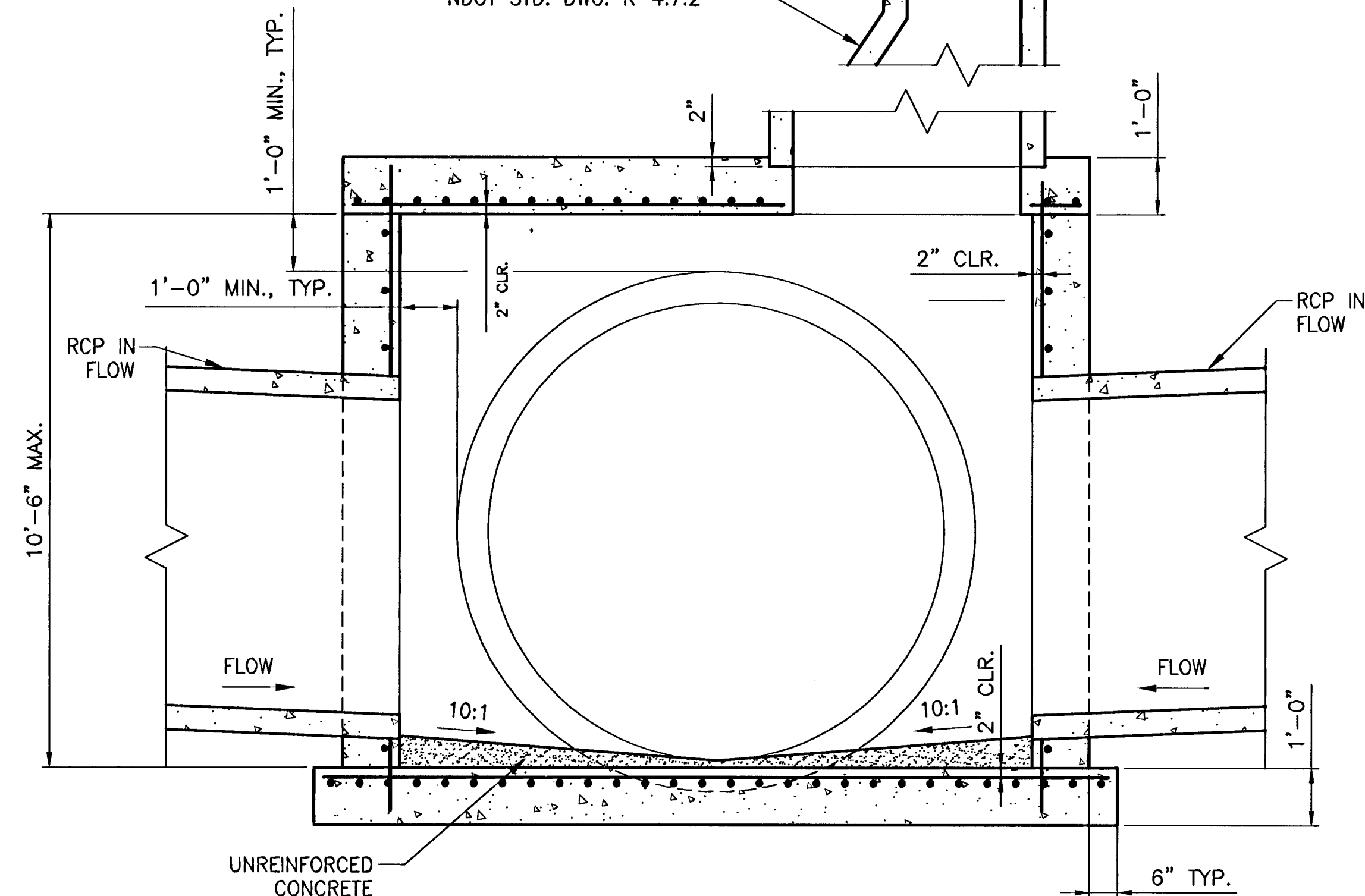


PLAN

SCALE: 1/2" = 1'-0"

1
DS3

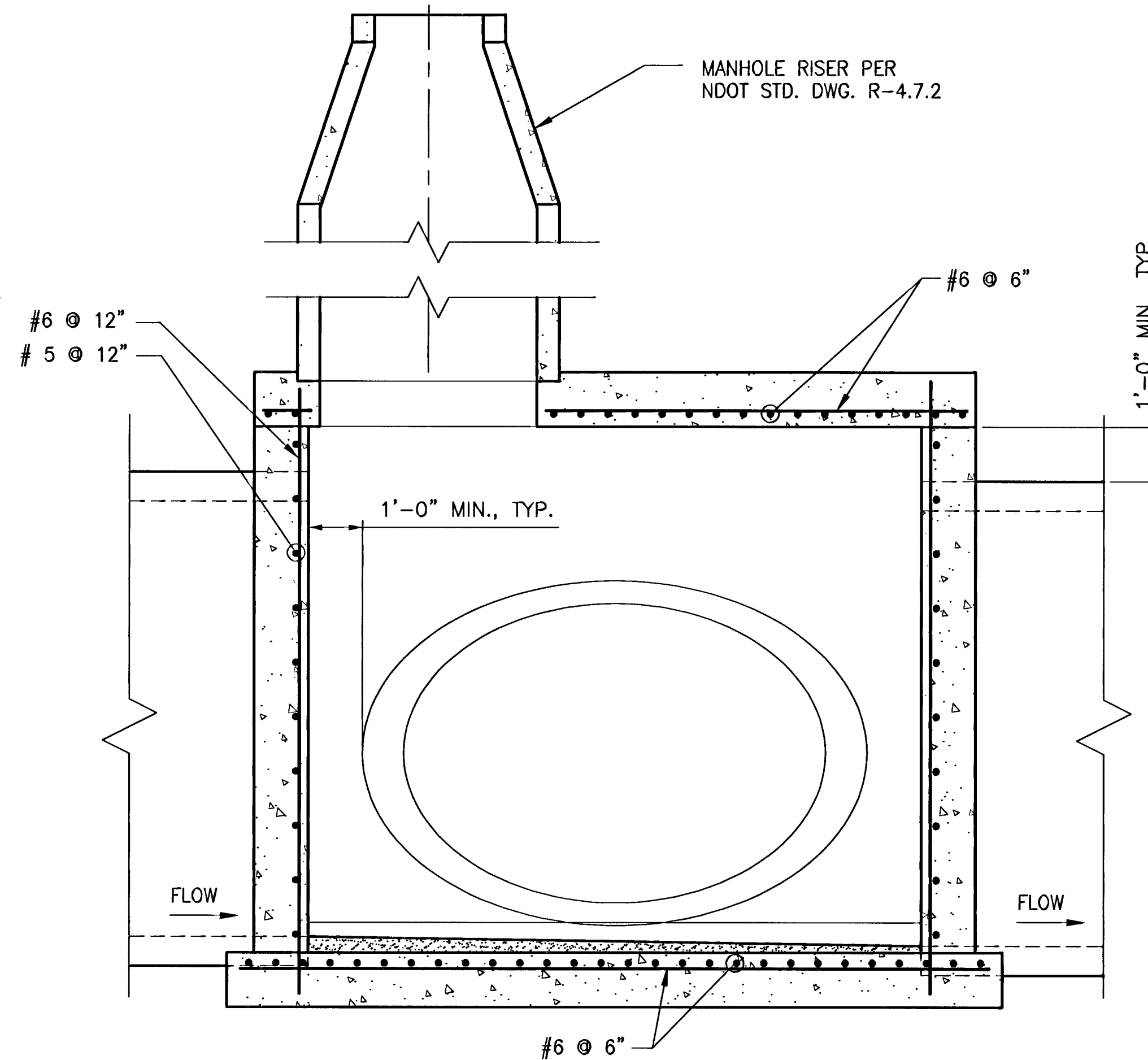
MANHOLE RISER PER
NDOT STD. DWG. R-4.7.2



SECTION

SCALE: 3/4" = 1'-0"

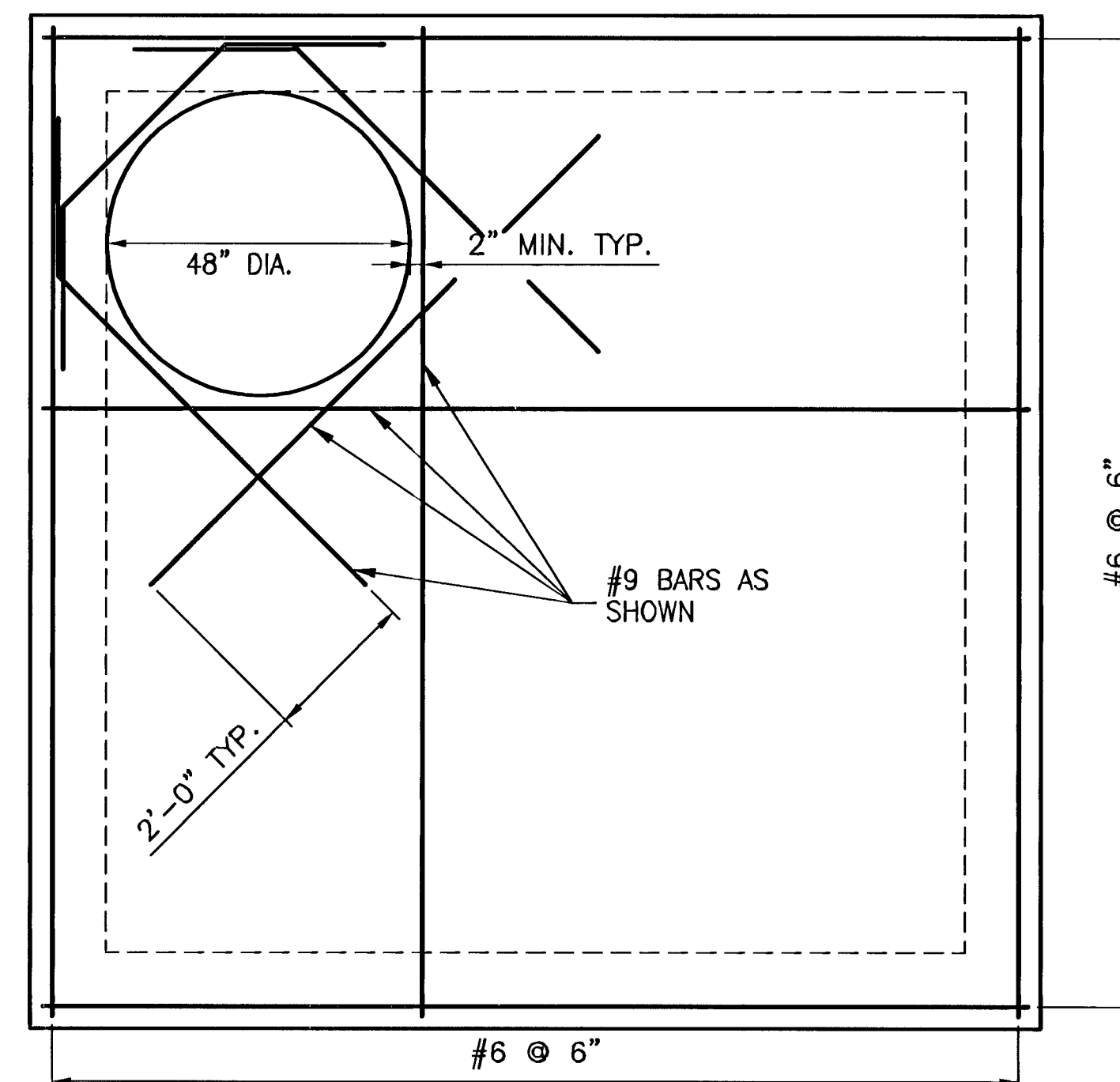
B
DS3



SECTION

SCALE: 1/2" = 1'-0"

A
DS3



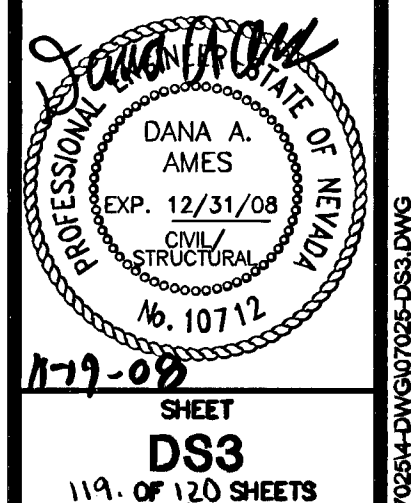
SECTION

SCALE: 3/4" = 1'-0"

2
DS3

GENERAL NOTES:

1. ALL CONCRETE SHALL BE CLASS A OR CLASS AA.
2. MANHOLES WITH MORE THAN ONE PIPE: THE INFLOW PIPE INVERT ELEVATIONS SHALL BE GREATER THAN OR EQUAL TO 0.1' ABOVE THE OUTFLOW PIPE INVERT ELEVATION.
3. PRECAST CONCRETE PIPE SECTIONS, TAPERED SECTIONS, LIDS, GRADE RINGS, AND STEPS SHALL CONFORM TO AASHTO M 199 (A.S.T.M. C-478).
4. MANHOLE COVER SHALL BEAR ENTITY IDENTIFICATION AND SYSTEM FUNCTION (IF APPLICABLE).
5. SHAPE FLOWLINE IN MANHOLE TO OUTLET PIPE AND PROVIDE A 10:1 MINIMUM SLOPE FROM ALL DIRECTIONS TOWARD FLOWLINE.



DRAWN BY: AUG 20, 2008
DESIGNED BY: AUG 20, 2008
CHECKED BY: NOV 10, 2008
PROJECT NO: SCALE: HORIZ. VERT.

ALTA LORENZI
MODIFIED TYPE 4 MANHOLE
PLAN AND SECTIONS
MEADOWS ALTA PARALLEL PROJECT
PHASE II

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REV	DATE	BY	REASON