

SIDE VIEW

END VIEW

NOMINAL PIPE SIZE ID, in	DIMENSIONS		MANDRELL O.D., in	RING O.D., in
	A, in	B, in		
6	4.0	4	5.61	4.90
8	5.3	6	7.36	6.65
10	6.7	6	9.21	8.50
12	8.0	8	11.06	10.35
15	10.0	9	13.82	13.11

**MANDREL FOR USE IN ALL P.V.C. SEWER PIPE**

**NOTE:**

AFTER CONSTRUCTION IS COMPLETE, TRUE THE O.D. DIMENSION FOR THE FULL LENGTH OF "B" TO  $\pm 0.010$ " BY TOOL AND LATHE OR GRINDING.

2004

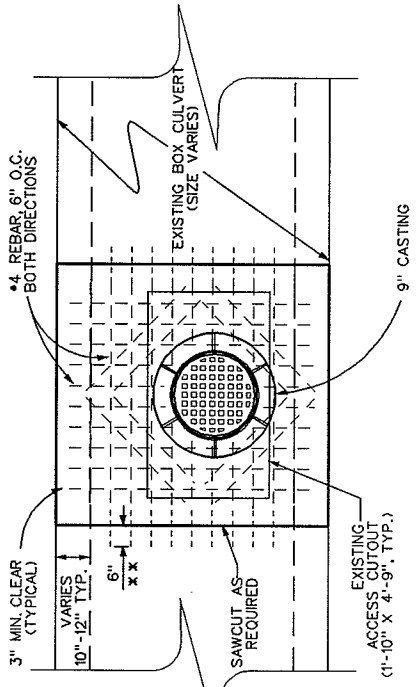
CITY OF MADISON  
ENGINEERING DIVISION

**MANDREL DETAIL**

STANDARD DETAIL DRAWING 5.1.1

ALL REINFORCEMENT SHALL BE EPOXY COATED.

\*\* IF FALSEWORK IS USED, #6 DOWELS, 12" O.C. SHALL BE PLACED LONGITUDINALLY TO EXTEND 6" INTO EXISTING ROOF. ALL DOWELS SHALL BE GROUTED WITH EPOXY MORTAR.

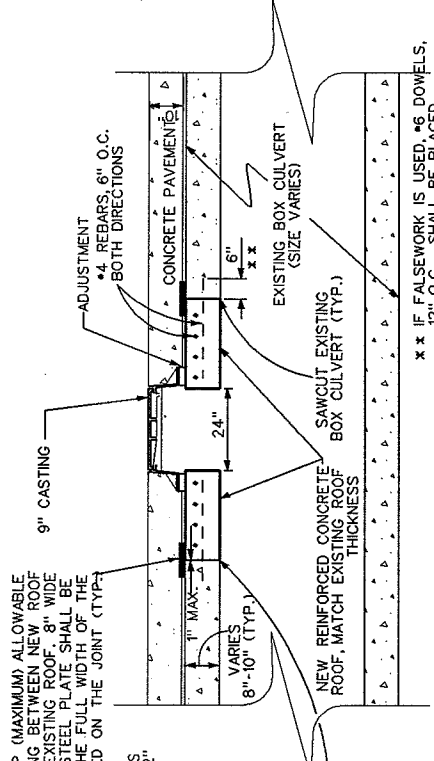


NOTE: NEW ROOFS FOR TYPE 1 AND TYPE 2 SHALL BE POURED SEPARATELY FROM THE EXISTING BOX CULVERT UNLESS FALSEWORK IS TO BE UTILIZED FOR TYPE 2 ROOF REPAIRS. NEW ROOFS SHALL BE POURED ON A LEVEL, FLAT SURFACE.

**PATCH RCBC ROOF TYPE I & TYPE II**  
TOP VIEW

1" GAP (MAXIMUM) ALLOWABLE SPACING BETWEEN NEW ROOF AND EXISTING ROOF. 8" WIDE 1/4" STEEL PLATE SHALL BE PLACED THE FULL WIDTH OF THE BOX CENTERED ON THE JOINT (TYP.)

NOTE: THE OUTSIDE ADJUSTING RINGS SHALL BE SEALED WITH A 1/2" THICK, AIR ENTRAINED MORTAR TYPE M OR S SEAL (TYP.)

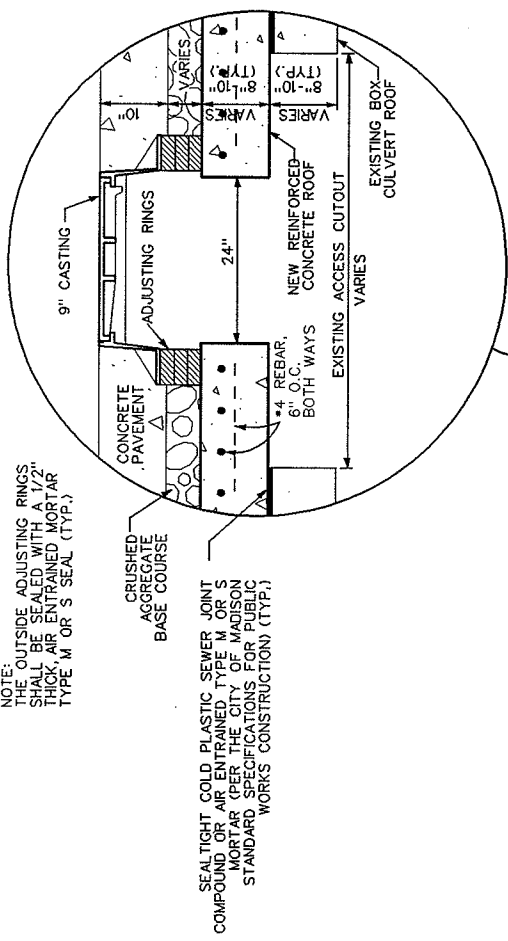


NOTE: SEALTIGHT COLD PLASTIC SEWER JOINT COMPOUND TO BE PLACED BETWEEN NEW ROOF AND EXISTING ROOF (TYP.)

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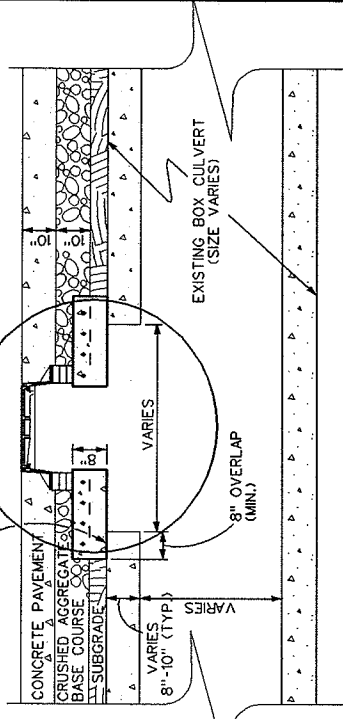
**TYPE II REPAIR**  
SIDE VIEW

NOTE: THE OUTSIDE ADJUSTING RINGS SHALL BE SEALED WITH A 1/2" THICK, AIR ENTRAINED MORTAR TYPE M OR S SEAL (TYP.)



SEALTIGHT COLD PLASTIC SEWER JOINT COMPOUND OR AIR ENTRAINED TYPE M OR S MORTAR (PER THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION) (TYP.)

SEALTIGHT COLD PLASTIC SEWER JOINT COMPOUND OR AIR ENTRAINED TYPE M OR S MORTAR (PER THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION) (TYP.)



**TYPE I REPAIR**  
SIDE VIEW

2004

CITY OF MADISON  
ENGINEERING DIVISION

RCBC REPAIR  
TYPE I & TYPE II

STANDARD DETAIL DRAWING 5.1.2