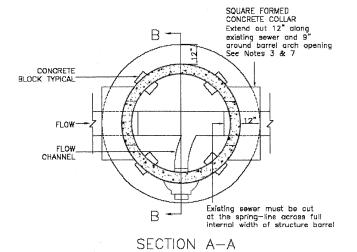


"DOG HOUSE" MANHOLE PROFILE



"DDG HOUSE" MANHOLE STRUCTURE BARREL (precost) See Note 5 RUBBER BOOT CONNECTION CONCRETE COLLAR SANITARY/COMBINED SEWER CONNECTION ARCH PRECAST IN STRUCTURE BARREL (if applicable) See Note 4 Fit existing sewer plus 3" See Notes 6 & 7 MH BENCH 4% slope to drain to EXISTING SANITARY/ COMBINED SEWER See Note 1 8" below the invert of the existing sewer and extend pround Barrel 12" See Notes 2 & 3 COMPACTED AGGREGATE NATURAL UNDISTURBED SOIL-SECTION B-B

(No precost base)
All poured—in—place concrete must be 4000 psi non—shrink mix.

External drop connection must be provided if invert of connecting sewer is 24" or more above the invert of outlet. (See separate MWRD Standard Drop detail.)

Notes:

Manhale diameter minimum 60"- increases based on the existing sewer diameter.
Concrete bonding agent must be applied to all interfaces of precost concrete surfaces

Existing Sanitary or Combined Sewer must be 15" diameter or larger for "dog house"

manhole use. Integral pour for base and bench.

with poured-in-place concrete.

A curved internal arch form must be used during collar concrete fill. No brick, mortar, or debris is to be used in place of consolidated concrete.

Debris must not be allowed to enter the

sewer system at any time during construction. All dimensions noted are minimum allowed.

The structure must not be backfilled for a minimum of 24 hours after construction.

"DOG HOUSE" MANHOLE 3 ALTERNATIVE FOR NEW MH CONSTRUCTION ON / CONNECTING TO EXISTING LIVE SEWERS

FILE NAME =	USER NAME = IDOT	DESIGNED - DA	REVISED -			F.A.P. RTE.	SECTION	COUNTY TOTAL SHEETS	SHEET NO.
D1RTE38-sht-details02.dgn		DRAWN - 5 BM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT SPECIFIC DETAILS		09-00248-00-RS	COOK 274	251
	PLOT SCALE. = 10.00 '/ IN.	CHECKED - JB	REVISED -				CONTRACT NO. 63432		
	PLOT DATE = 3/23/2010	DATE -	REVISED -		SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		