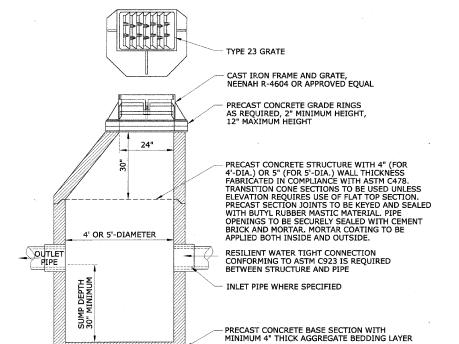
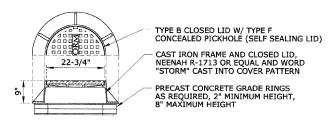


## **VAPOR TRAP**

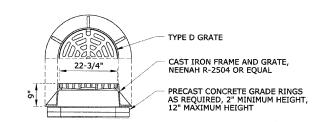


CATCH BASIN, TYPE A, 4' OR 5'-DIAMETER
WITH TYPE 23 FRAME AND GRATE

 $\frac{1}{2}$ 

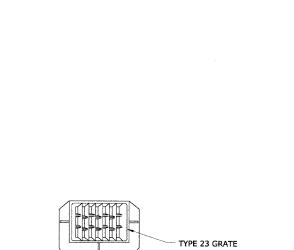


## WITH TYPE 1 FRAME AND SELF SEALING CLOSED LID



WITH TYPE 1 FRAME AND GRATE

## **ALTERNATIVE FRAMES AND GRATES/LIDS**



OUTLET PIPE

**HEUER AND ASSOCIATES** 

2315 Enterprise Drive - Suite 102 Westchester, IL 60154-5811 708-492-1000

Consulting Engineers

CAST IRON FRAME AND GRATE,
NEENAH R-4604 OR APPROVED EQUAL

PRECAST CONCRETE GRADE RINGS
AS REQUIRED, 2" MINIMUM HEIGHT,
12" MAXIMUM HEIGHT
12" MAXIMUM HEIGHT
PRECAST CONCRETE STRUCTURE WITH 3" WALL
THICKNESS FABRICATED IN COMPLIANCE WITH ASTM
C478; PIPE OPENINGS TO BE SECURELY SEALED
WITH CEMENT BRICK AND MORTAR; MORTAR COATING
TO BE APPLIED BOTH INSIDE AND OUTSIDE

SECTION

FED. ROAD DIST. NO. 1 ILLINOIS

1004 08-00079-01-FP

STA.

COUNTY

COOK

FED. AID PROJECT

CONTRACT No. 63007

TO STA.

- AGGREGATE BEDDING LAYER COMPACTED TO 4" MINIMUM (INCIDENTAL)

RESILIENT WATER TIGHT CONNECTION CONFORMING TO ASTM C923 IS REQUIRED BETWEEN STRUCTURE AND PIPE

## INLET, TYPE A, 24" WITH TYPE 23 FRAME AND GRATE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
	DATE		
			E IMPROVEMENTS AGE 1
		CONSTRUCTION	DETAILS - SPECIAL
		SCALE: NTS	DRAWN BY H&A
		DATE 07/18/2008	CHECKED BY PFH