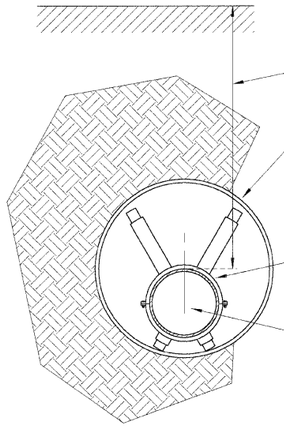
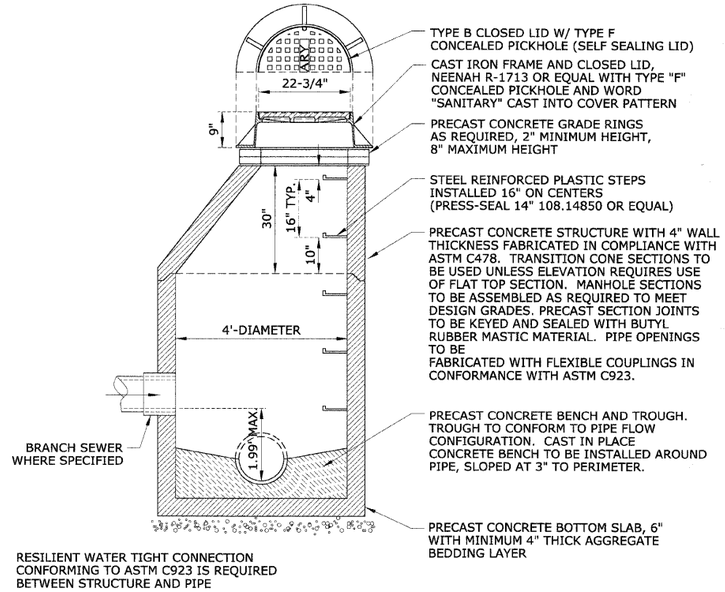
HEUER AND ASSOCIATES Consulting Engineers 2315 Enterprise Drive - Suite 102 Westchester, IL 60154-5811 708-492-1000	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
	1004	08-00079-02-FP	COOK	32	31
	STA.		TO STA.		
	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

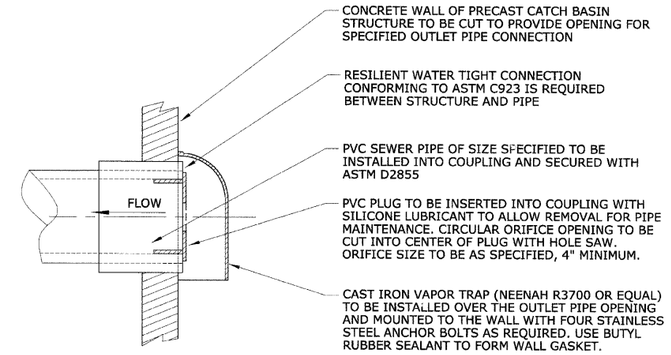
CONTRACT No. 63149



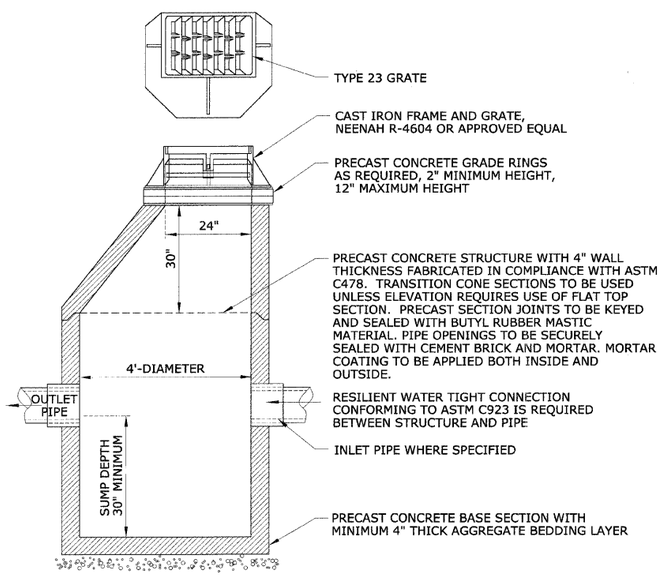
SEWER MAIN IN CASING PIPE



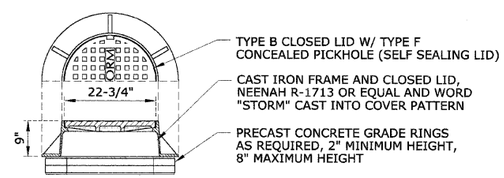
MANHOLE, TYPE A, 4'-DIAMETER
WITH TYPE 1 FRAME AND CLOSED LID



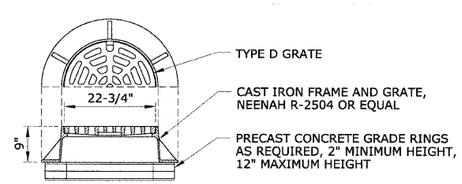
CAST IRON VAPOR TRAP
WITH ORIFICE RESTRICTOR



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



WITH TYPE 1 FRAME AND SELF SEALING CLOSED LID



WITH TYPE 1 FRAME AND GRATE

ALTERNATIVE FRAMES AND GRATES/LIDS

PLAN	BY	DATE
SURVEYED		
PLOTTED		
R.O.W. CHECKED		
RT. OF WAY OFFERED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATIONS CHKD		
NOTE BOOK NO.		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BLUFF AVENUE IMPROVEMENTS STAGE 2

CONSTRUCTION DETAILS - SPECIAL

SCALE: NTS — DRAWN BY H&A

DATE 02/27/2009 — CHECKED BY PFH