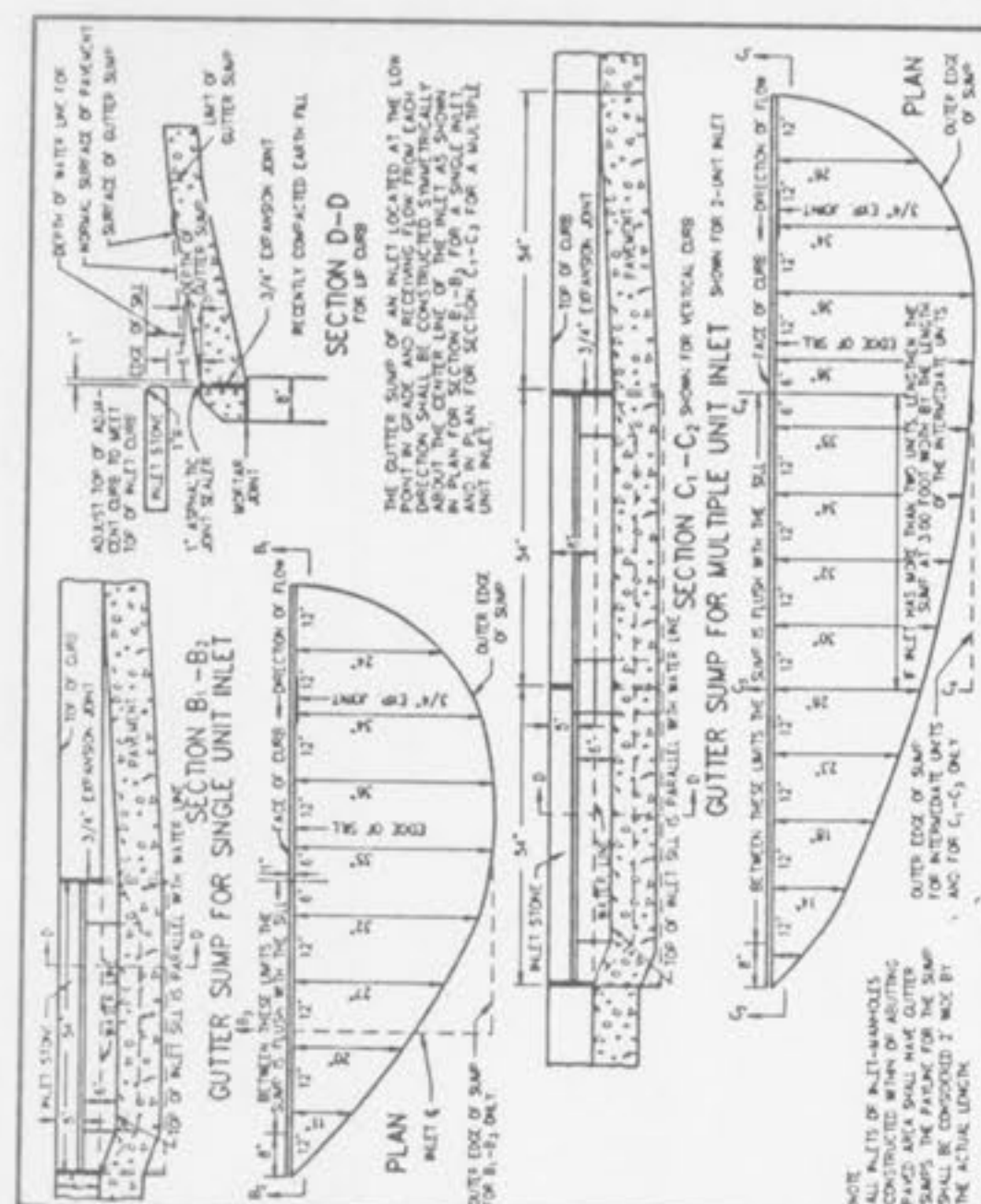
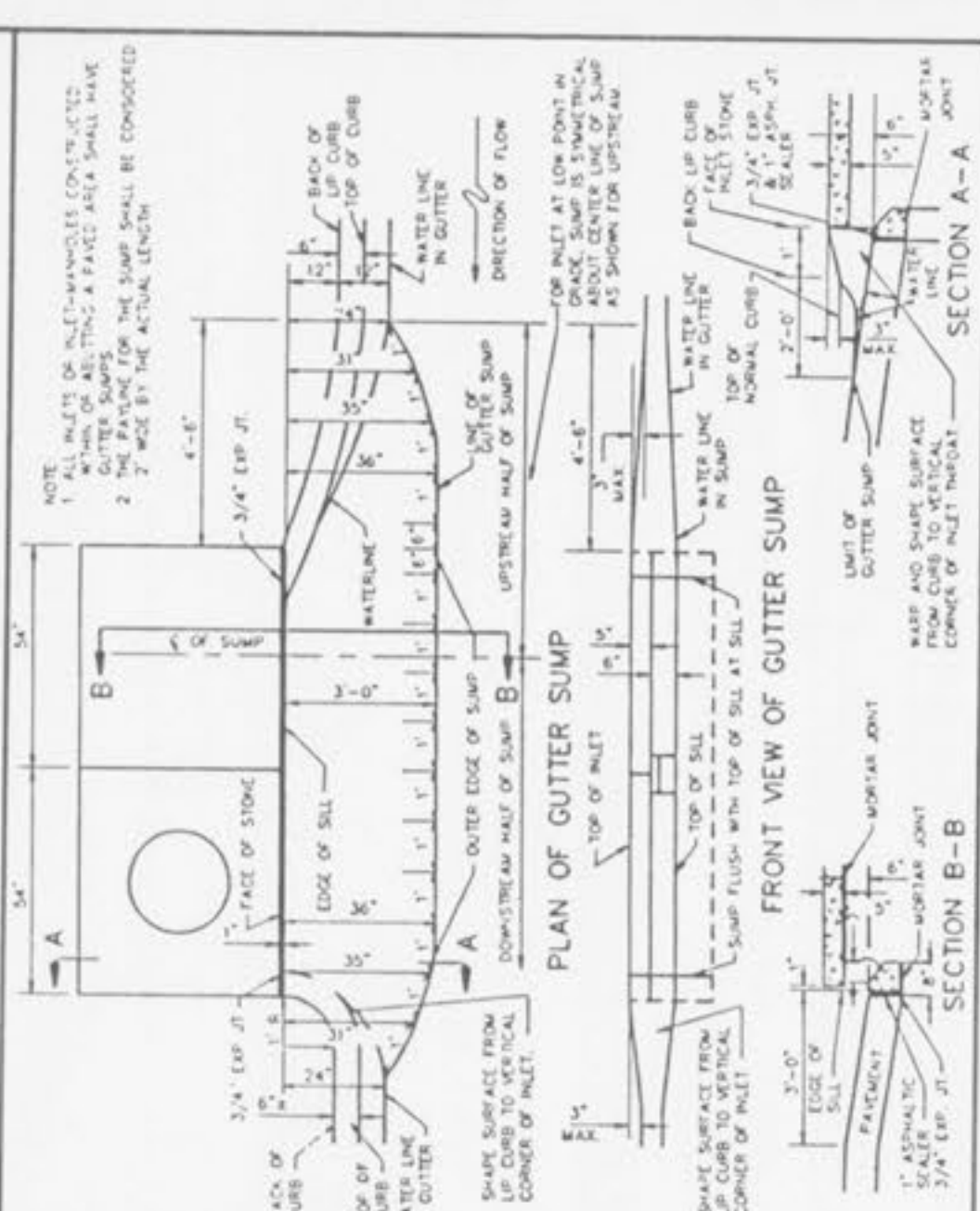
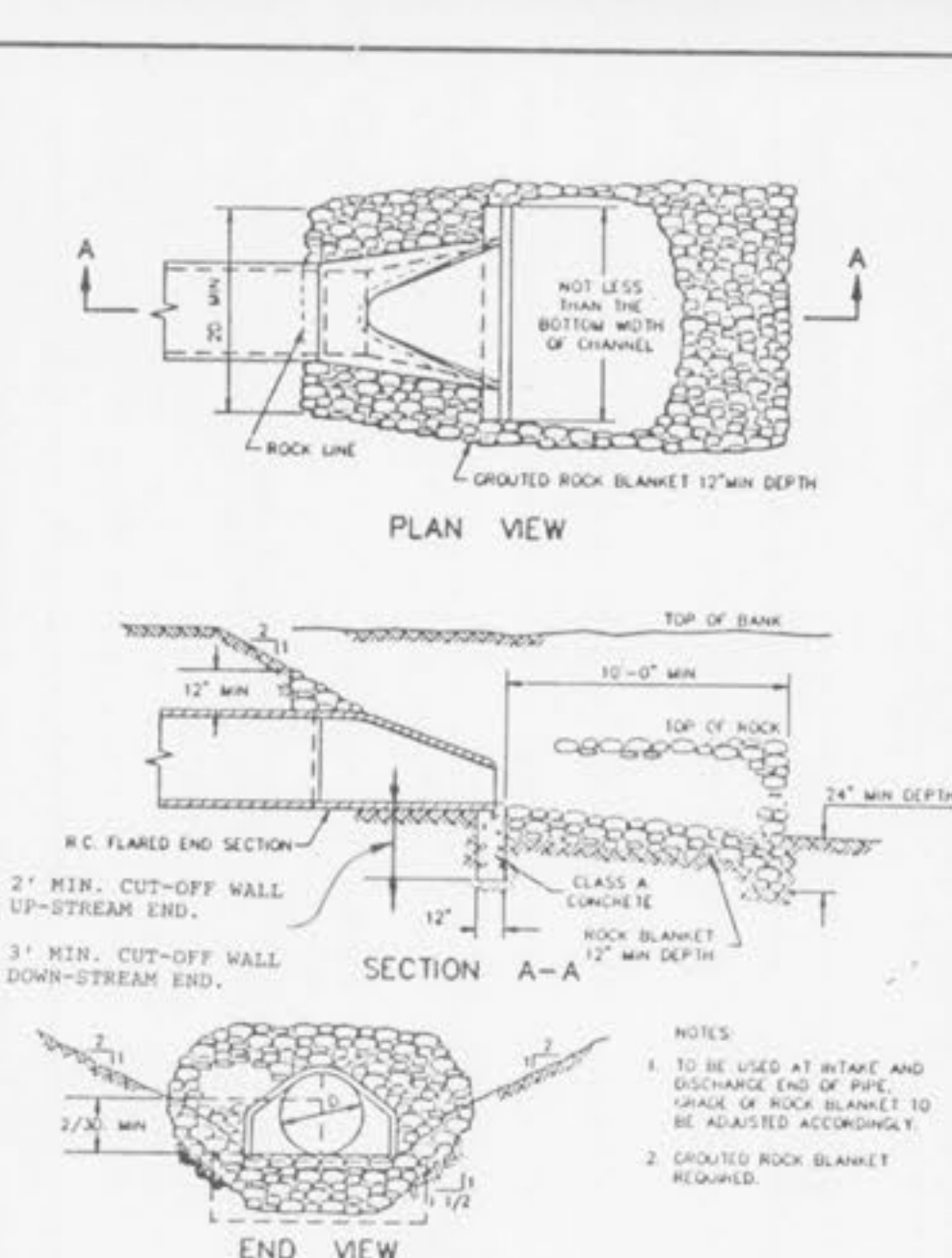




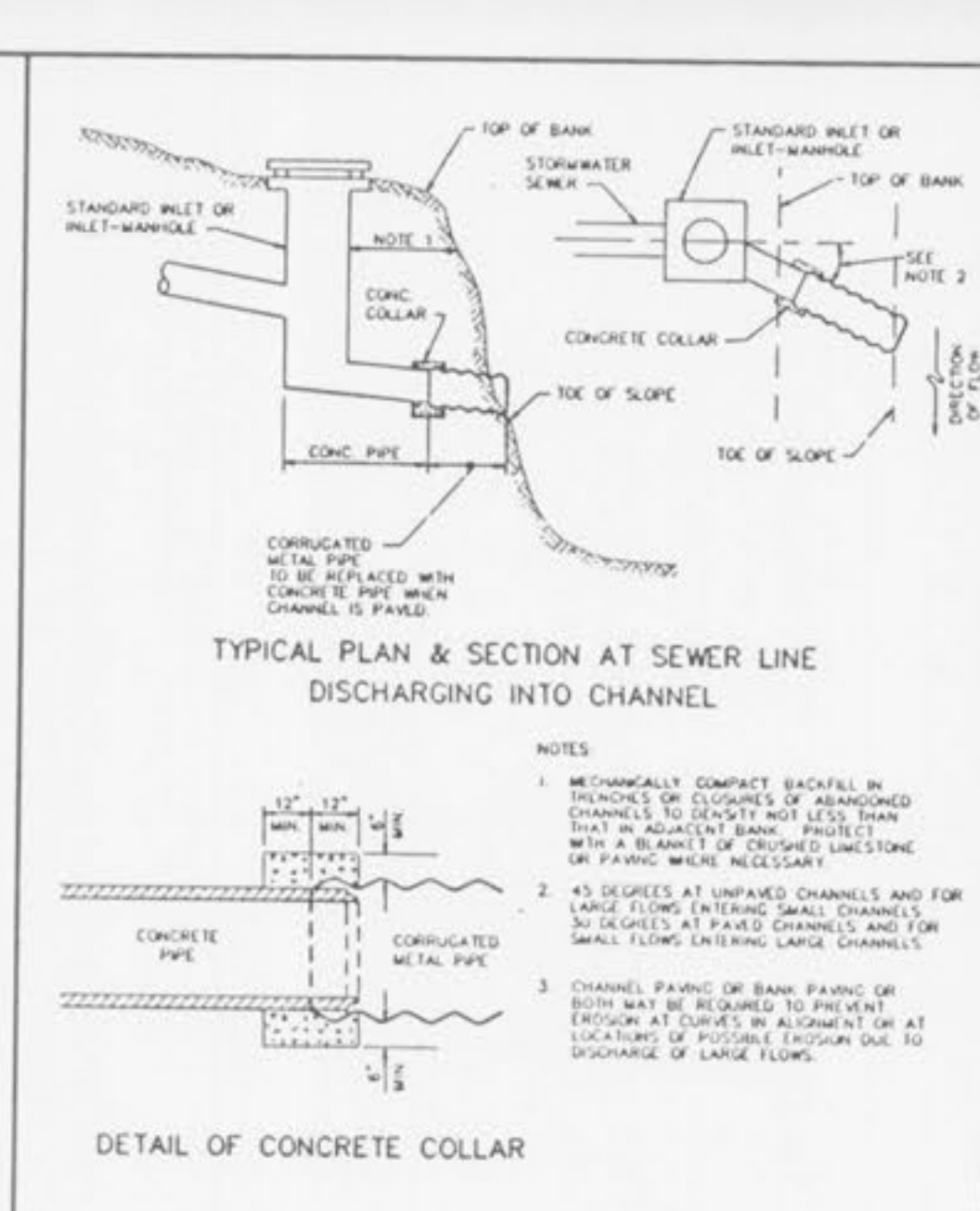
**GUTTER SUMPS FOR VERTICAL CURB**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. W.S.H. J.C.K. 1992 SHEET 55



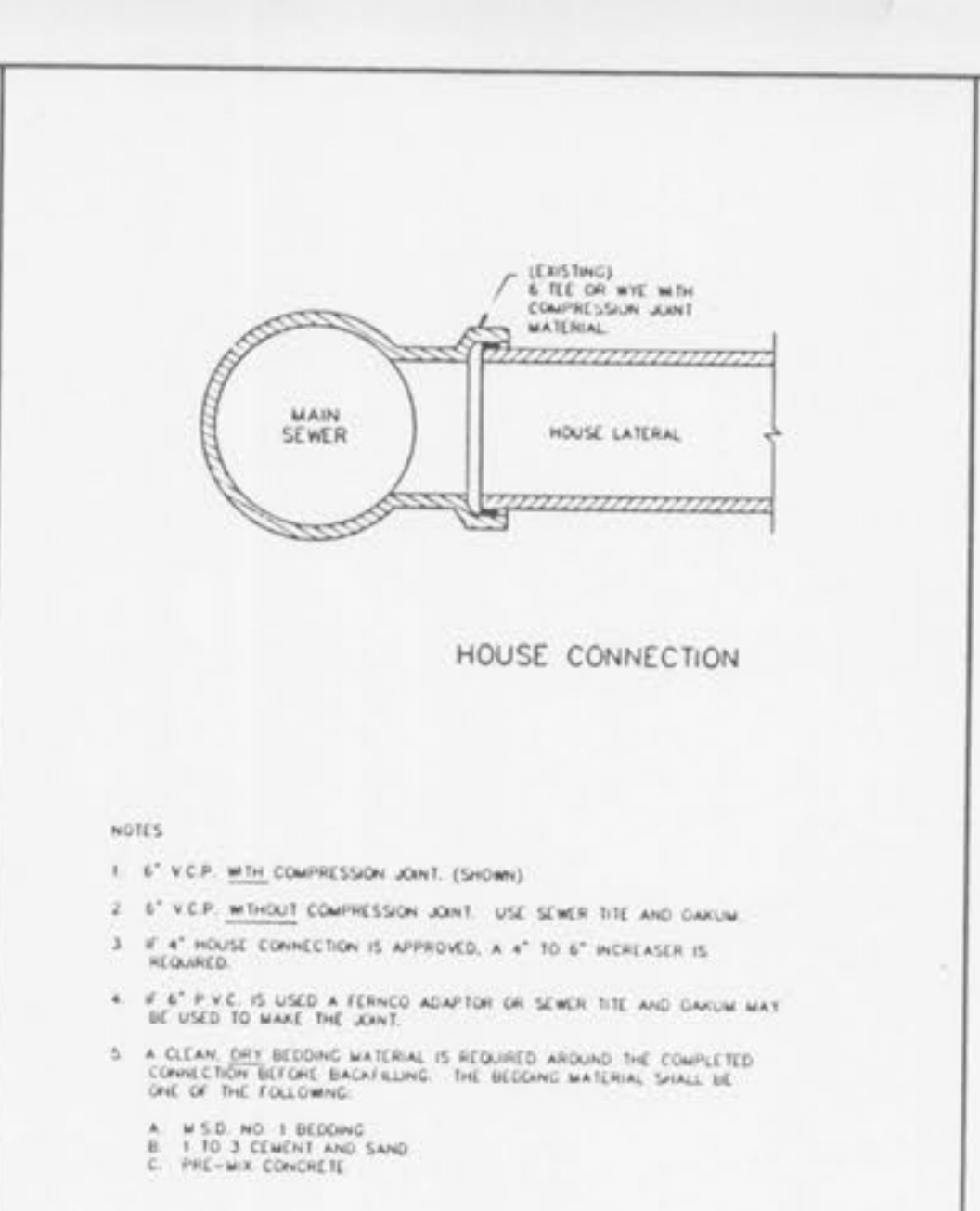
**GUTTER SUMP FOR LIP CURB**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. R.G.W. J.C.K. 1992 SHEET 56



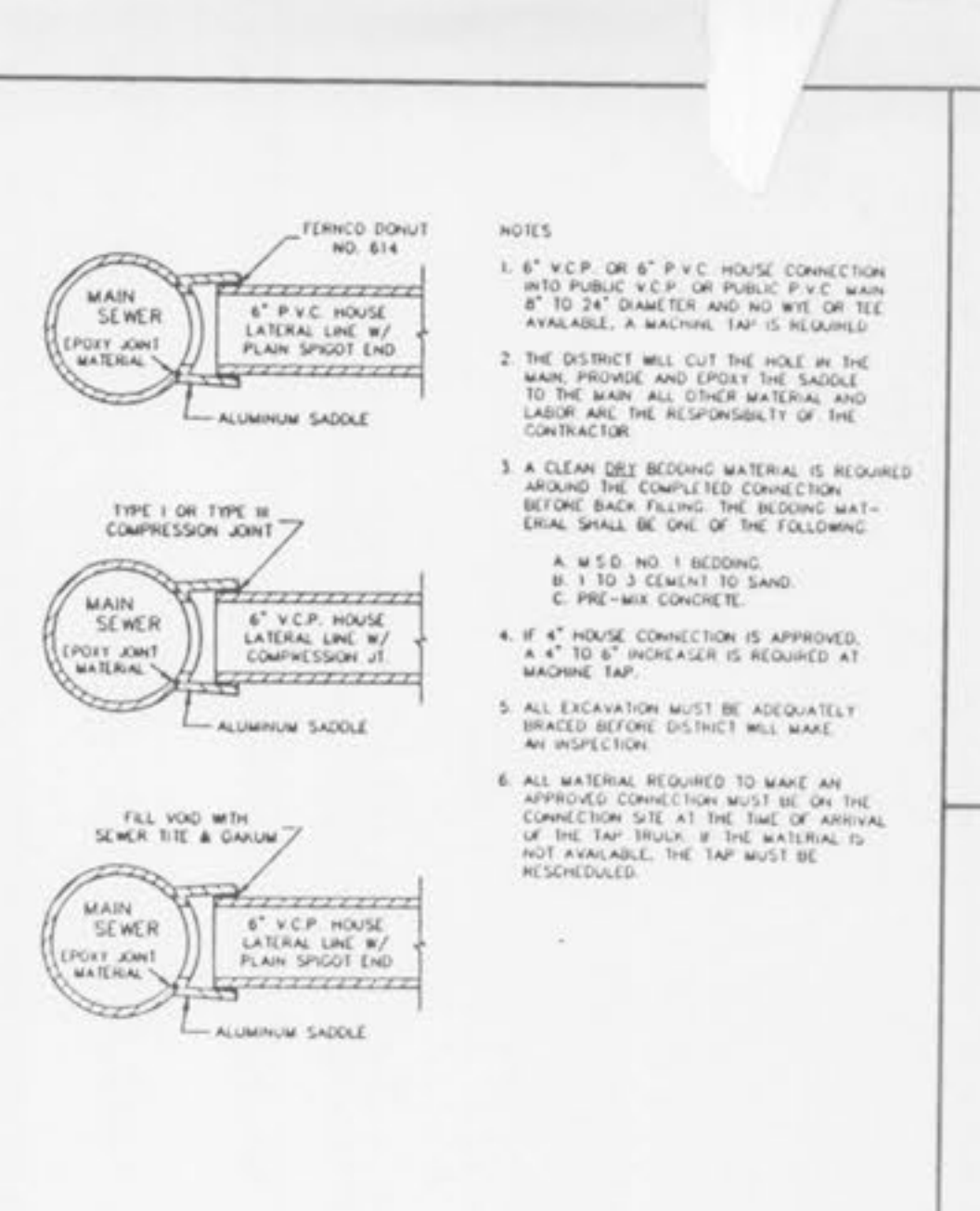
**FLARED END SECTION**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. W.S.H. J.C.K. 1992 SHEET 57



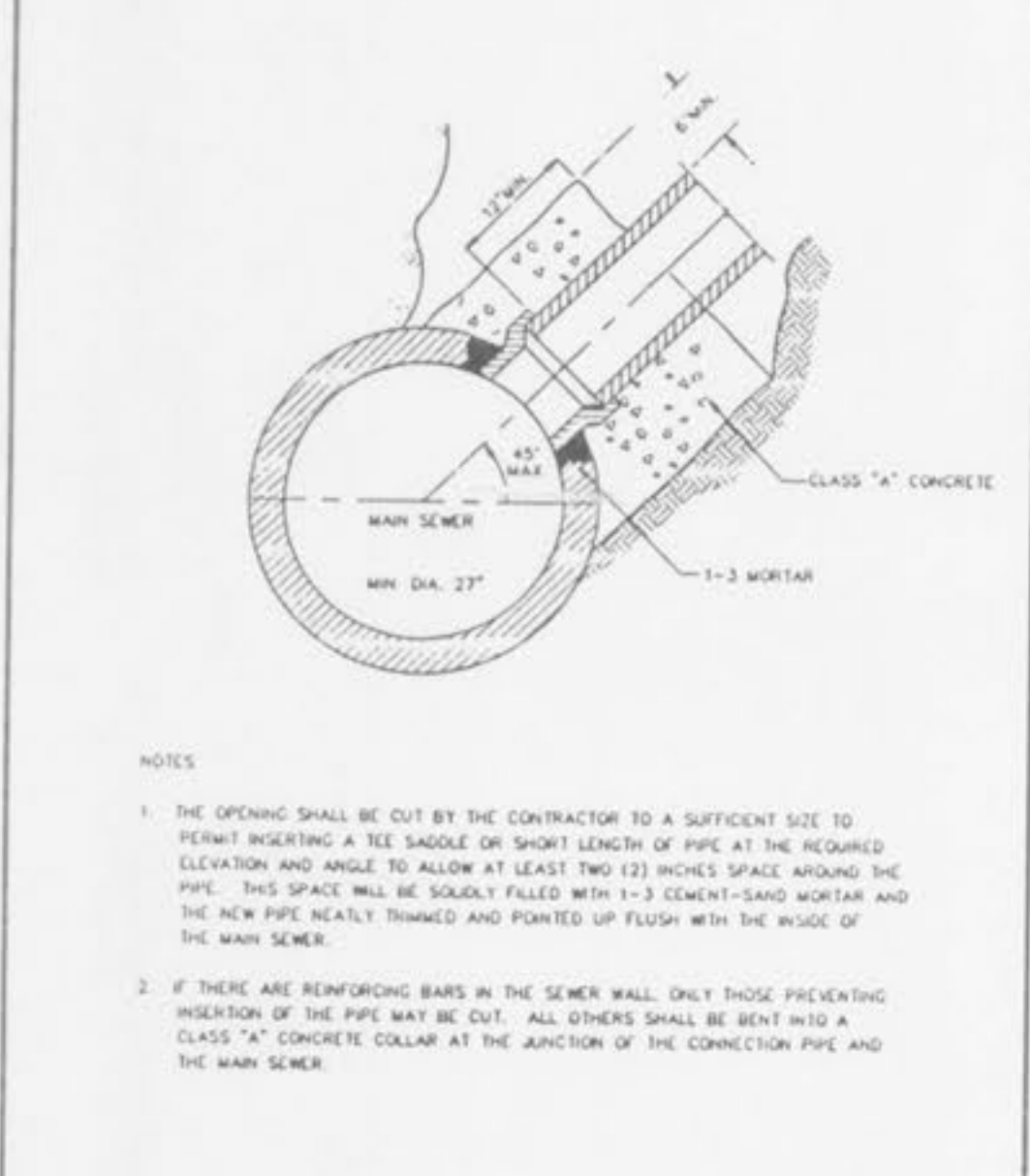
**STORMWATER CHANNELS**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. R.G.W. J.C.K. 1992 SHEET 58



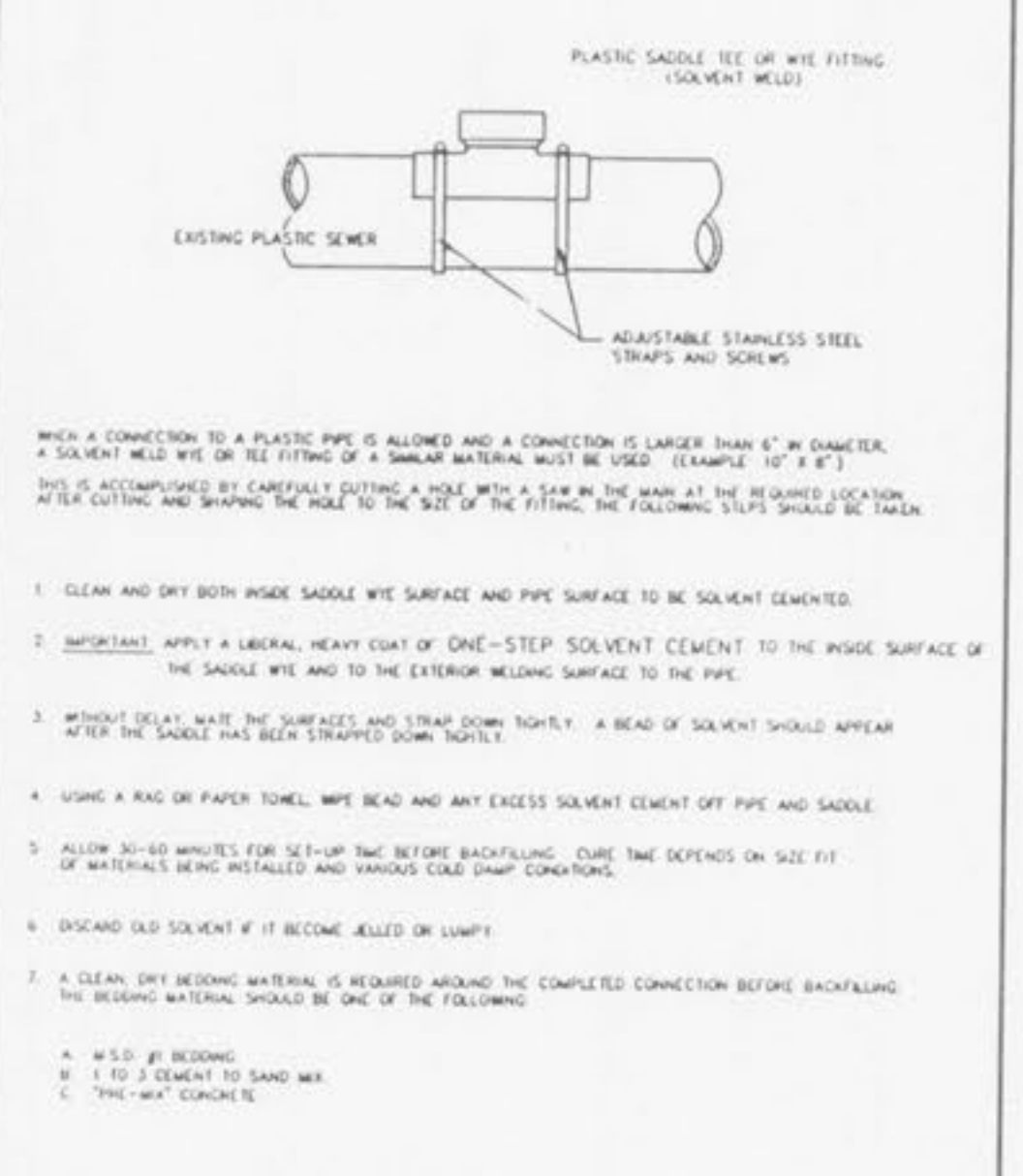
**HOUSE CONNECTION TO EXISTING TEE OR WYE**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. D.A.B. J.C.K. 1992 SHEET 59



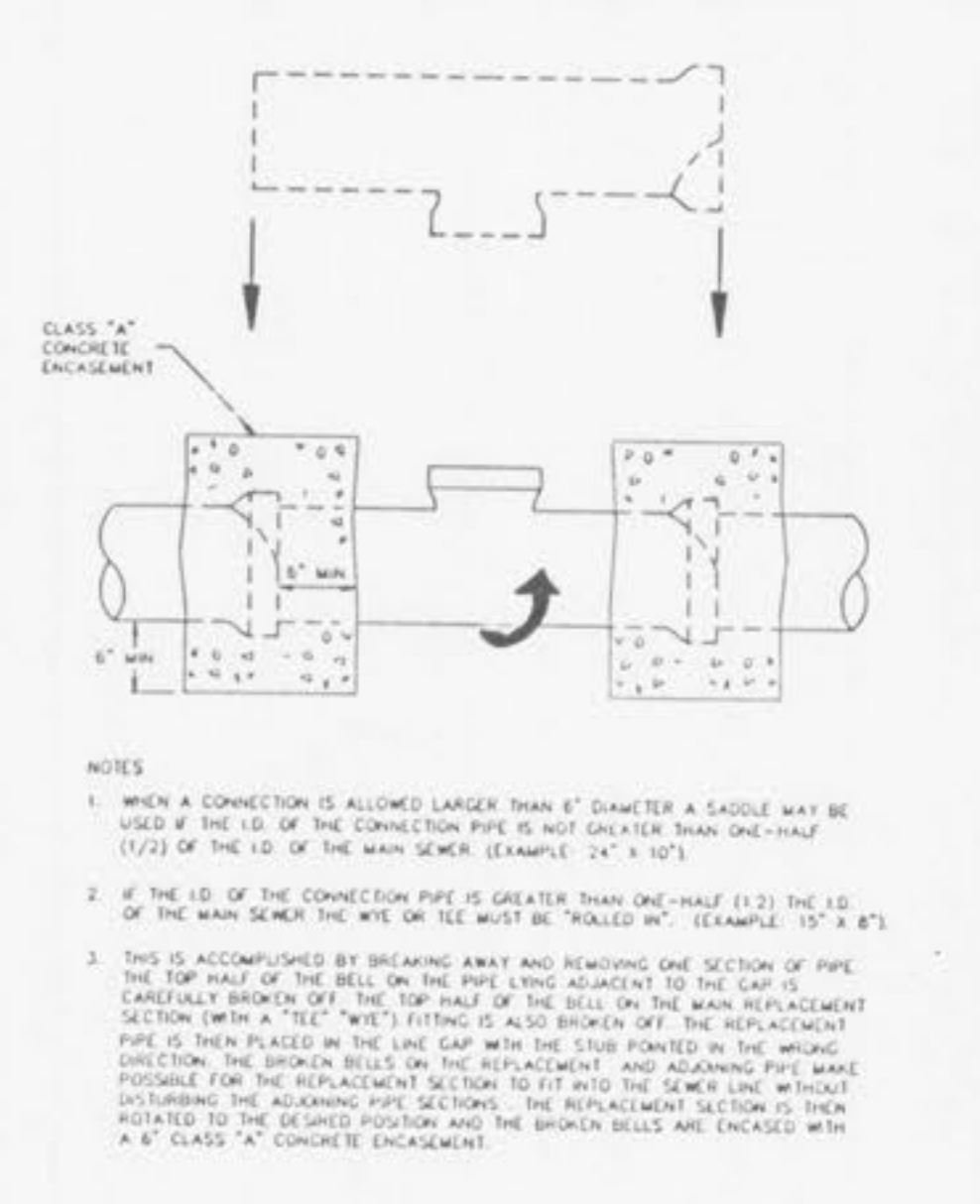
**MACHINE TAP**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. W.S.H. J.C.K. 1992 SHEET 60



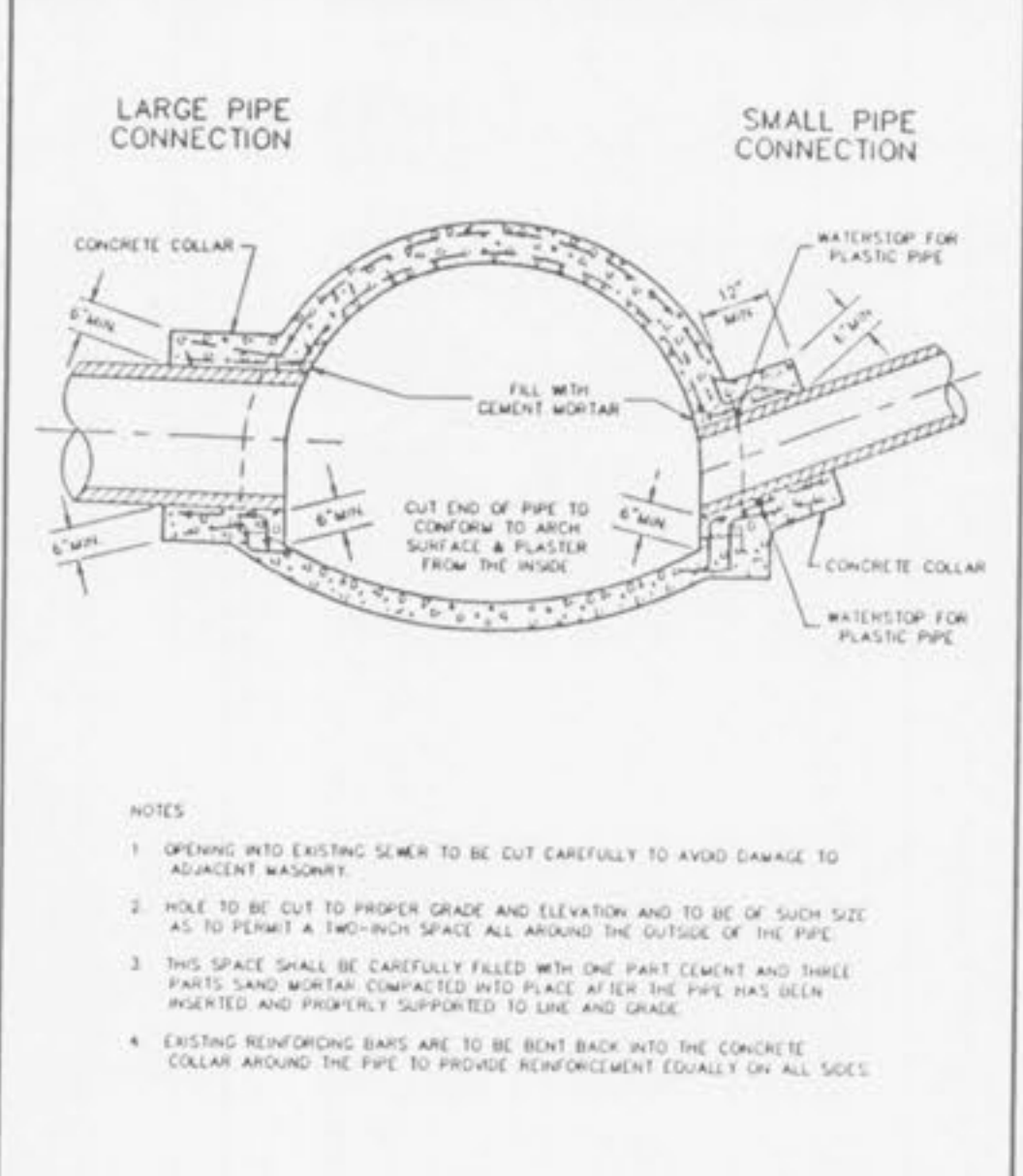
**HOUSE CONNECTIONS ALLOWED BY TEE SADDLE**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. D.A.B. J.C.K. 1992 SHEET 61



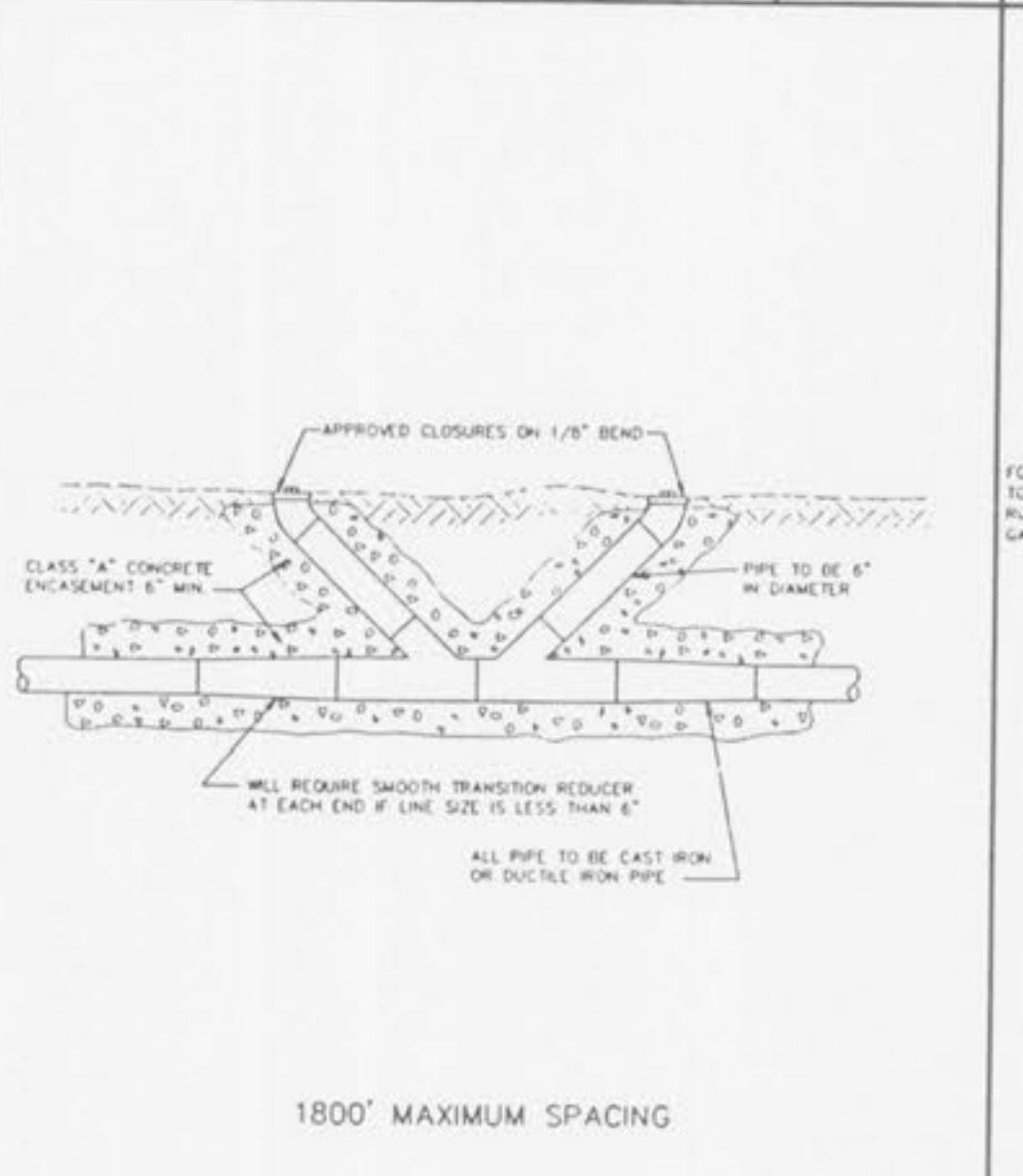
**8" (& LARGER) CONNECTION TO PLASTIC MAIN**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. D.A.B. J.C.K. 1992 SHEET 62



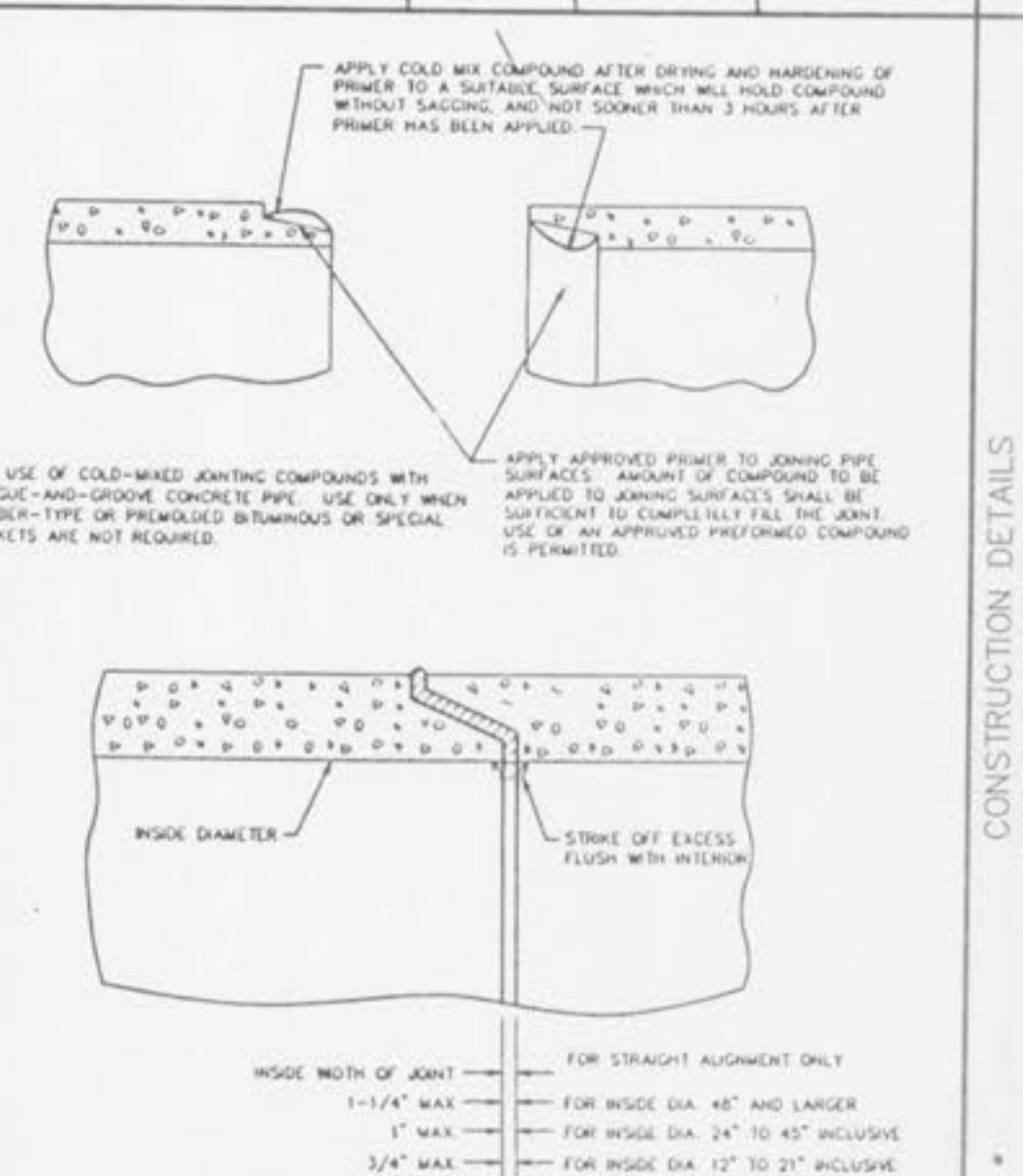
**"ROLL-IN" (FOR EXISTING CLAY OR CONCRETE PIPE)**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. D.A.B. J.C.K. 1992 SHEET 63



**CONNECTIONS TO LARGE SEWERS**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. W.S.H. J.C.K. 1992 SHEET 64



**FORCE MAIN CLEANOUT (6" DIA. & SMALLER)**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. R.G.W. J.C.K. 1992 SHEET 65



**TONGUE AND GROOVE CONCRETE PIPE JOINTS**  
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction  
Dr. D.A.B. J.C.K. 1992 SHEET 66