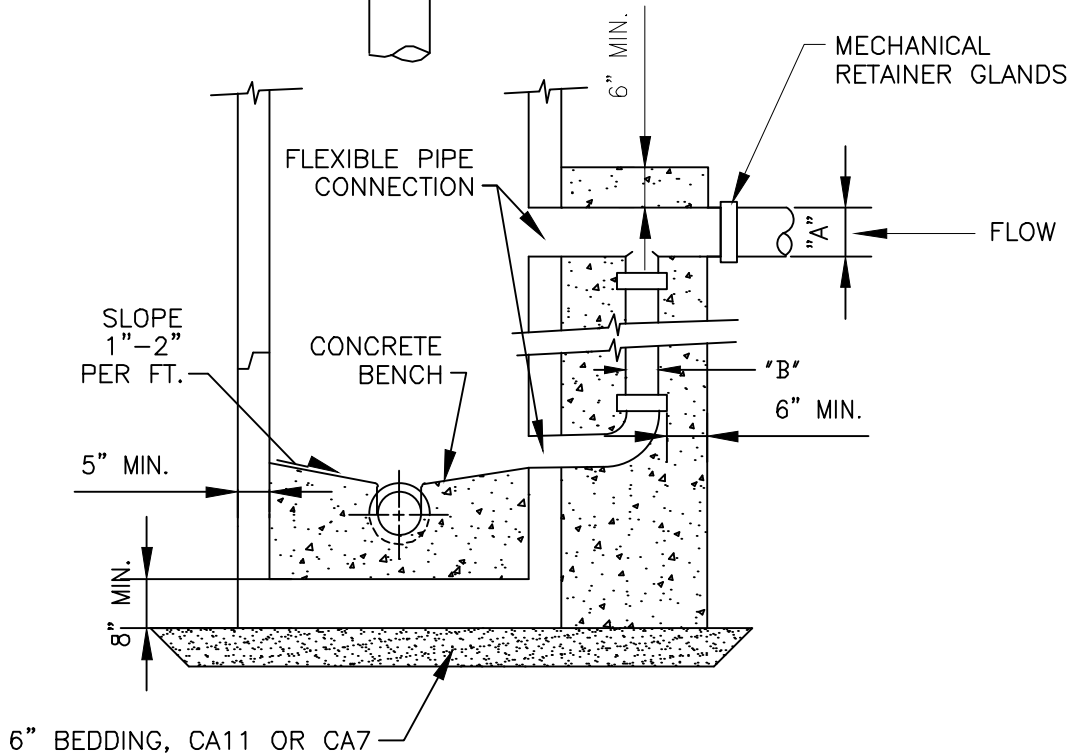


NOTE;  
 USE OUTSIDE DROP WHEN ANY ENTERING  
 SEWER INVERT DIFFERS BY 2'-0" OR  
 MORE FROM INVERT OF MANHOLE. MATCH  
 CROWN OF OUTLET PIPE WHERE OUTLET PIPE  
 IS 30-INCH DIA. OR SMALLER. SEE PLAN  
 SHEETS FOR INVERT ELEVATIONS FOR PIPE  
 SIZES LARGER THAN 30-INCH DIAMETER.



NOTES:

1. 8-INCH TO 12-INCH DIAMETER DROP: DUCTILE IRON CLASS 50. UTILIZE DUCTILE IRON RESTRAINED JOINT PIPE AND FITTINGS FOR DROP ELBOW, PIPE, AND TEE AT INCOMING SEWER. ENCASE ENTIRE DROP PIPE FROM BASE OF MANHOLE TO 6 INCHES ABOVE TOP OF INCOMING SEWER WITH 4000 PSI CONCRETE AT A MINIMUM THICKNESS OF 6 INCHES.
2. OVER 12-INCH DIAMETER DROP: DUCTILE IRON CLASS 50. ENCASE DROP ELBOW AT BASE OF MANHOLE TO 2 FEET ABOVE TOP OF ELBOW IN CONCRETE. UTILIZE DUCTILE IRON RESTRAINED JOINT PIPE AND FITTINGS FOR DROP ELBOW, PIPE, AND DUCTILE IRON TEE AT INCOMING SEWER. SUPPORT DROP PIPE TO MANHOLE WALL WITH STAINLESS STEEL BRACKETS AND STRAPPING WHERE DROPS ARE OVER 10 FEET LONG.

"A" - DIAMETER OF INCOMING SEWER  
 "B" - DIAMETER OF DROP PIPE

- WHEN: "A"=12-INCH OR LESS,  
 "B"="A" BUT NOT SMALLER THAN 8-INCH.
- WHEN: "A"=GREATER THAN 12-INCH, BUT  
 LESS THAN OR EQUAL TO 18-INCH,  
 "B"=12-INCH.
- WHEN: "A"=GREATER THAN 18-INCH,  
 "B"= $2/3$  "A" MINIMUM.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

EXTERIOR DROP MANHOLE  
 DETAIL  
 SAN-04

DATE: OCT. 2017