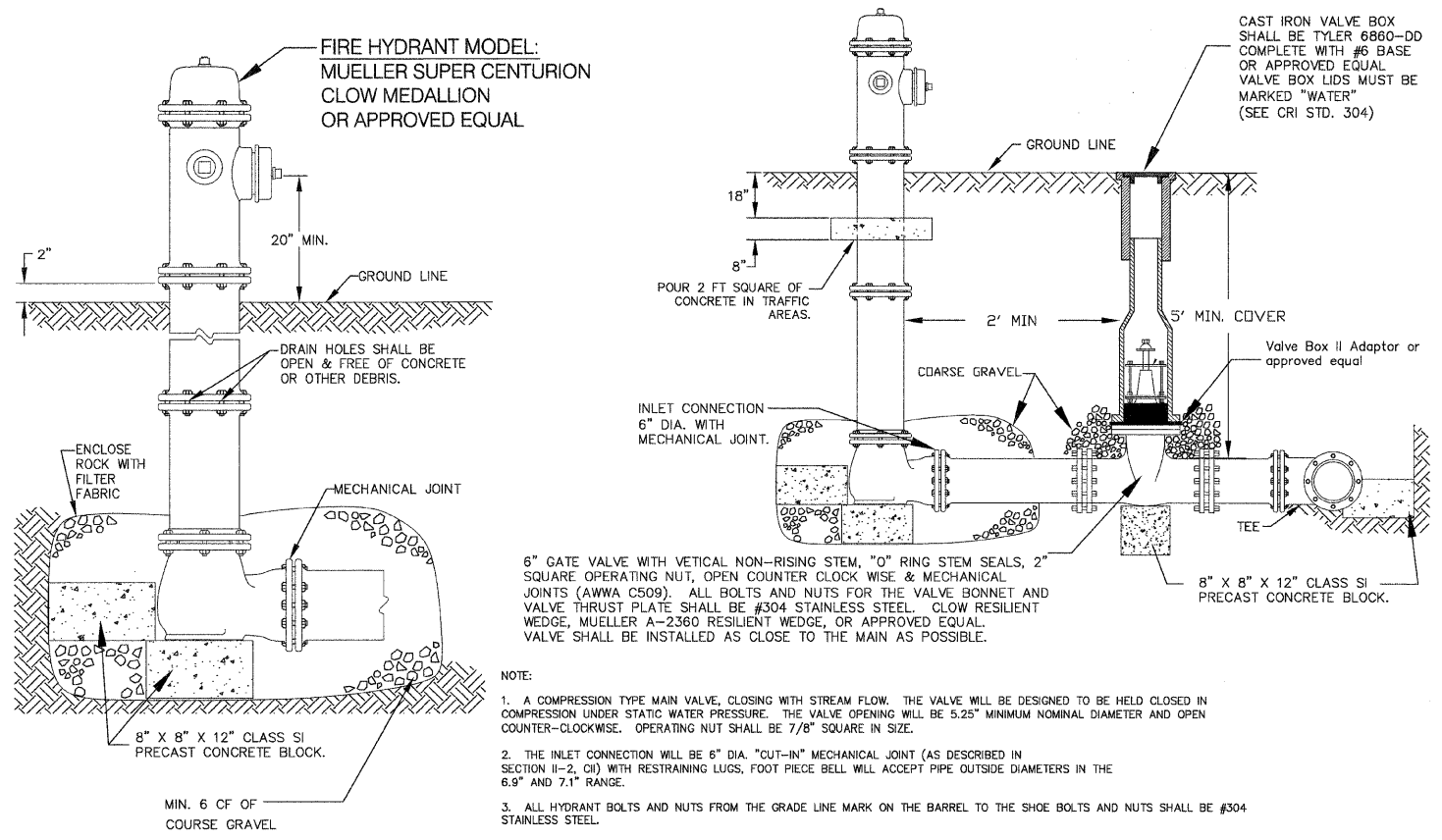


NOTES:

1. All connections to new or existing sanitary or storm sewer pipes shall be made using compatible joints. This requires the pipes to be of same material with the same joint configuration.
2. If joints or material are not compatible, a flexible pipe connector shall be used. This flexible connector shall be applied using stainless steel bands at each end. The connectors shall be Fernco or City approved equal.

STANDB17.DWG	WLC	12/15/93
REVISION	BY	DATE

SEWER PIPE CONNECTIONS  
 CITY OF ROCK ISLAND ENGINEERING DIVISION STANDARD NO. 217



NOTE:

1. A COMPRESSION TYPE MAIN VALVE, CLOSING WITH STREAM FLOW. THE VALVE WILL BE DESIGNED TO BE HELD CLOSED IN COMPRESSION UNDER STATIC WATER PRESSURE. THE VALVE OPENING WILL BE 5.25\"/>
- 2. THE INLET CONNECTION WILL BE 6\"/>
- 3. ALL HYDRANT BOLTS AND NUTS FROM THE GRADE LINE MARK ON THE BARREL TO THE SHOE BOLTS AND NUTS SHALL BE #304 STAINLESS STEEL.
- 4. DELIVERY CLASSIFICATION - ONE PUMPER AND TWO HOSE NOZZLES. THESE NOZZLES SHALL BE 4.5\"/>
- 5. THE HYDRANTS WILL BE OF "TRAFFIC BREAKAWAY DESIGN," WITH GROUND LINE FLANGE AND SAFETY STEM OPERATOR COUPLING. GRADE LINE SHALL BE POSITIVELY MARKED ON THE LOWER BARREL. THE CENTER LINE OF ALL PORTS SHALL BE A MINIMUM OF 18\"/>
- 6. HYDRANTS WILL BE PROVIDED WITH BRONZE-LINED OUTLETS TO ALLOW CORROSION RESISTANT DRAINAGE OF THE BARREL SECTIONS. SEAT AND DRAIN RINGS WILL BE OF BRONZE COMPOSITION AS PROVIDED IN THE STANDARD RECOMMENDATIONS.
- 7. NOZZLE CAPS WILL OPEN COUNTER-CLOCKWISE, HAVE NATIONAL STANDARD TREADS, AND BE PROVIDED WITH A SECURITY CHAIN. OPERATING NUT SHALL BE 7/8\"/>
- 8. POSITIVE O-RINGS SEALS WILL BE PROVIDED TO PROTECT STEM AND OPERATING NUT THREADS, AND ALL BEARING SURFACES FROM THE ATMOSPHERE AND THE WATERWAY. THE TOP WILL HAVE AN OIL RESERVOIR OR GREASE CHAMBER TO INSURE AUTOMATIC LUBRICATION OF THE STEM THREADS DURING OPERATION.
- 9. PRIMARY COATING AND PAINTING MUST COMPLY WITH THE STANDARD RECOMMENDATIONS, AND A SAFETY FINISH COAT WILL BE APPLIED ABOVE THE GRADE LINE. FINISH COAT MUST BE SAFETY YELLOW IN COLOR.

NOT TO SCALE

REVISED	MDW	07/15/05
REVISED	WLC	04/12/05
REVISED	CAM	04/03/02
REVISED	PJK	03/25/02
REVISED	MDW	01/06/00
REV. HYD. MODEL STD.	PMCJ	06/25/99
METRIC	PMCJ	01/27/97
REVISED	MDW	08/22/94
STAND301.DWG	MDM	03/91
REVISION	BY	DATE

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FIRE HYDRANT DETAIL  
 CITY OF ROCK ISLAND ENGINEERING DIVISION STANDARD NO. 301

85497  
 09-00186-00-RS  
 C.R.I. STANDARD DETAILS  
**CITY OF ROCK ISLAND ENGINEERING DIVISION**  
 30th Street Resurfacing  
 31st Avenue to Blackhawk Road

Job Number	2592	Date	2-24-09
Computer Drawing Name	2592 Standard Details	By	mdw
		Sheet	39
		Of	43

ROCK ISLAND ILLINOIS