



1. FORCE MAIN TO ENTER MANHOLE AT $180^{\circ} \pm 10^{\circ}$ FROM GRAVITY OUTFLOW.
2. THE INVERT LEVEL OF FORCE MAIN AT POINT OF ENTRY SHALL BE NO MORE THAN 4" ABOVE INVERT OF GRAVITY OUTLET AND NO LESS THAN $2 \frac{1}{2}$ ".
3. ENTRY INTO EXISTING MANHOLES SHALL BE BY CORING ONLY.
4. TRAP TO BE INSTALLED PRIOR TO DROP INTO MANHOLE AND, IF POSSIBLE, SHALL BE LOCATED OUTSIDE OF PAVED AREAS.
5. USE TWO 45° ELBOWS BETWEEN TRAP AND MANHOLE IF ELEVATION DROP IS REQUIRED TO ENTER MANHOLE.
6. FLOW CHANNEL REQUIRED TO GRAVITY SUSTEM FROM FORCE MAIN.
7. INSIDE MANHOLE AND FLOW CHANNEL TO HAVE TWO DIFFERENT COLORED APPLICATIONS OF 100% SOLIDS EPOXY COATING OR OTHER COATINGS AS LISTED IN THE W.P.B. APPROVED PRODUCTS LIST.
8. MEGALUG 1100 SERIES M.J. ADAPTERS ON ALL 3" OR LARGER FITTINGS & PIPE.
9. IF FORCE MAIN IS TO DISCHARGE INTO AN EXISTING MANHOLE, THEN THE CONTRACTOR SHALL REPLACE OR REHABILITATE MANHOLE AS REQUIRED BY THE CITY. COST SHALL BE INCLUDED IN PRICE OF THE FORCE MAIN.

REVISED: SEPT-2009	PRESSURE PIPE - FORCE MAIN AT MANHOLE	STANDARD DETAIL
ISSUED: SEPT - 2009	CITY OF WEST PALM BEACH ENGINEERING SERVICES DEPT.	P-9