



## ALTERNATIVE PRECAST MANHOLE

### NOTES:

1. MANHOLE STEPS ARE TO BE 12" OC.
2. PRECAST CONCRETE MANHOLE DESIGN AND REINFORCEMENT SHALL CONFORM TO ASTM C478, LATEST REVISION WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.
3. MAXIMUM PIPE O.D. TO BE 31.5" FOR 180° THRU 135° DEFLECTION AND 25" FOR 90° DEFLECTION.
4. PRECAST CONCRETE STRUCTURE TO BE WET CAST WITH MONOLITHIC BASE SECTION.
5. MANHOLES RECEIVING FORCE MAINS SHALL BE PROVIDED WITH FIBERGLASS LINING OR GAS-RESISTANT EPOXY COATING.

### REVISIONS

### MOWAC WASTE WATER STANDARDS STANDARD PRECAST MANHOLE DETAIL

MISSOURI AMERICAN WATER  
ST. LOUIS, MO. 63141

MISSOURI AMERICAN WATER ENGINEERING  
727 CRAIG ROAD  
ST. LOUIS, MO. 63141

DRAWN BY  
PROJECT ENG'R  
APPROVED

DATE 11-11-2015  
PROJECT IP

USE DIMENSIONS ONLY  
SCALE N.T.S.



USE APPROVED DRAWINGS ONLY  
FOR CONSTRUCTION PURPOSES

MOAWC-WW-09