

D.I. TAPPING SLEEVE (NOT REQ. ON CONCRETE MAINS WHERE SPECIAL TAPPING FLANGE OUTLETS ARE EXISTING)

THRUST BLOCK REQUIRED

VARIABLE

EXISTING MAIN

TAPPING VALVE  
NON-RISING STEM

D.I. NIPPLE

D.I. 90° M.J.  
REST. BEND

D.I. BEND AS REQUIRED  
ANCHOR NOT SHOWN

D.I. NIPPLE

VARIABLE

CONCRETE TO  
UNDISTURBED  
GROUND

D.I. M.J. TEE

PROPOSED C.I.  
OR D.I. MAIN

### PLAN

TAPPING VALVE  
NON-RISING STEM

D.I. BEND  
AS REQUIRED

D.I. M.J. TEE

4" MIN.  
(VARIES)

EXISTING MAIN

ANCHOR NOT SHOWN

D.I. NIPPLE

PROPOSED C.I.  
OR D.I. MAIN

### SECTION

**NOTE:**

1. ALL PIPE AND FITTINGS TO BE RESTRAINED.

ITEM	CROSS REF.	SPEC. REF.



ISSUE DATE	APPROVED BY
06/20/2008	V.F.C.

STANDARD DETAIL  
TYPICAL CONNECTION  
TO EXISTING MAIN

WS  
4.12  
SHEET 2 OF 2