NOTE:
FOR WATER MAINS ONLY:
MODIFICATIONS FROM THIS DETAIL
MAY BE NECESSARY IF WATER WIDTH
IS GREATER THAN 15'-0" (SEE SPECS)

ROCK CHANNEL PROTECTION
PER SPECS

DUCTILE IRON PIPE WITH RESTRAINED JOINTS (AS REQ'D)

WIDTH 2

WIDTH 2

NORMAL WATER LEVEL

GRADE

WATER MAIN OR
SEWAGE FORCE MAIN

MJ DUCTILE IRON
BEND WITH
MEGALUGS (TYP)

CONCRETE ENCASEMENT

CONCRETE ENCASEMENT
TWICE STREAM WIDTH

3'-4" MIN

3'-4"

1'-0"

1'-0"

ROCK CHANNEL PROTECTION
ODOT TYPE "C"

FABRIC

SELECT EXCAVATED
MATERIAL

TRENCH WIDTH

CONCRETE ENCASEMENT

TYPICAL CREEK CROSSING &
TRENCH DETAIL FOR WATER &
SEWER FORCE MAINS