



MAX. 18" HORIZONTAL OFFSET

MAX. VERTICAL SLOPE
1'
3'
HORIZONTAL

- USE RESTRAINED JOINTS FOR ALL CONNECTIONS
- ① VERTICAL LEG USING TWO 90° BENDS
 - ② ROTATED VERTICAL LEG USING TWO 90° BENDS
 - ③ VERTICAL RISE USING OFFSET BEND
 - ④ INCLINED LEG USING TWO 45° BENDS

NOTE:
1. IF WATER METER EASEMENT IS NOT ADJACENT TO A STREET R.O.W. (I.E. NEXT TO A WATER LINE EASEMENT), THE WATER METER MUST BE LOCATED IN THE MIDDLE OF THE 10' X 20' WATER METER EASEMENT.

- PVC RESTRAINED JOINTS**
- 1. JCM "SUR-GRIP", JCM 610 FITTING RESTRAINER, JCM 620 BELL-JOINT RESTRAINER
 - 2. EBBA IRON, INC. SERIES 500 OR SERIES 1500
 - 3. APPROVED EQUAL

- DUCTILE IRON PIPE RESTRAINED JOINTS**
- 1. SUPER-LOCK BY CLOW CORPORATION
 - 2. T R FLEX OR FIELD-LOK BY U.S. PIPE & FOUNDRY COMPANY
 - 3. APPROVED EQUAL

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

TYPICAL SERVICE LINE AND ARISER PIPING TO METER VAULTS
(NOT TO SCALE)

APPROVED BY: [Signature] CITY ENGINEER
APPROVED BY: [Signature] DIRECTOR OF PUBLIC WORKS AND ENGINEERING

EFF DATE: JUL-01-2010 DWG NO: 02526-10