CONNECT AND RESTRAIN EXISTING PIPE FLANGE TO HDPE FLANGE ADAPTER. INSTALL RESTRAIN FLANGE COUPLING ADAPTER, AS NEEDED.

FLEX RESTRAINT DEVICE ELECTROFUSION FITTING BY GEORG FISCHER CENTRAL PLASTICS OR APPROVED EQUAL

MIN. 4,000 PSI STRENGTH CONCRETE

#4 REBAR w/ 3" COVER MIN. (TYP.)

#8 AWG COPPER TRACING WIRE WITH BLUE JACKET

POISON FORCE RESTRAINT ANCHOR WALL FOR HDPE POTABLE WATER MAIN

DESIGN PARAMETERS:
1. SOIL BEARING VALUE OF 2000 LBS. PER SQ. FT
2. DR 11 HDPE PIPE (I.P.S.) PE 4710, CONFORMING TO AWWA C906-07.
3. DESIGN SYSTEM PRESSURE = 100 PSI
4. RECURRING SURGE PRESSURE = 100 PSI
5. FLOW VELOCITY = 7 FPS
6. FLEX RESTRAINT CAPACITY OF 7000 LBS. EACH.
7. PAVEMENT SURFACE MAX. 8".
8. SAFETY FACTOR = 1.5
9. IN CASES NOT CONFORMING TO DESIGN PARAMETERS RECALCULATE WALL DIMENSIONS, PER AWWA MANUAL M55

<table>
<thead>
<tr>
<th>NOMINAL PIPE SIZE (I.P.S.)</th>
<th>&quot;W&quot; WIDTH</th>
<th>&quot;H&quot; HEIGHT</th>
<th>&quot;D&quot; DEPTH</th>
<th>&quot;C&quot; COVER</th>
<th>&quot;P&quot;</th>
<th># OF BARS</th>
<th>RE-BAR SPACING (IN.)</th>
<th># OF FLEX RESTRAINTS</th>
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POTENTIAL MOUNTING DETAILS:

HDPE MAIN

#8 AWG COPPER TRACING WIRE WITH BLUE JACKET

#4 REBAR w/ 3" COVER MIN. (TYP.)

POISON FORCE RESTRAINT ANCHOR WALL FOR HDPE POTABLE WATER MAIN

CITY OF REDWOOD CITY
ENGINEERING AND TRANSPORTATION

W - 17
HDPE