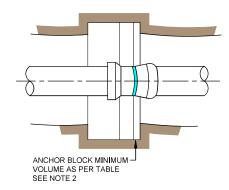
'N' - NO ADDITIONAL RESTRAINT REQUIRED (COMPACTED TRENCHFILL SUFFICIENT)

THRUST IN BOTH DIRECTIONS -USE PUDDLE FLANGE PIPE LENGTH TO SUIT. (SEE NOTE 5) THRUST IN ONE DIRECTION -250 LOCATE THRUST BLOCK AGAINST SOCKET FLANGED GATE VALVE FLOW THRUST IN ONE DIRECTION THRUST AREA BASE AND WALLS (SEE NOTE 5) 20MPa CONCRETE THRUST BLOCK TO EXTEND 300 MIN INTO SIDE WALLS.

FLANGED VALVES



PLAN

3 THICK INSERTION RUBBER BETWEEN STRAP AND BEND

STAINLESS STEEL STRAP (SEE DETAIL)

250 MIN

- KEY ANCHOR BLOCK INTO BASE OF TRENCH A MINIMUM DEPTH OF 250.
- USE GRADE 20 MPa CONCRETE.
- KEEP CONCRETE CLEAR OF ALL BOLTS, NUTS, AND PIPE JOINTS.

NOTE:

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- 1. ALL DIMENSIONS IN MILLIMETRES, UNLESS SHOWN OTHERWISE.
- 2. ANCHOR BLOCKS IN THE TABLE ARE DESIGNED FOR A TEST PRESSURE OF 1000 kPa (100 m HEAD) ADJUST CONCRETE VOLUME TO SUIT ACTUAL TEST PRESSURE.
- 3. THRUST BLOCK REINFORCEMENT AS SPECIFIED IN DESIGN DRAWINGS.
- 4. WHERE SPECIFIED PROVIDE CONCRETE THRUST BLOCKS FOR FL-FL VALVES. THRUST AREA TO BE AS FOR DEAD ENDS AS SHOWN IN WS-004
- 5. INSTALL PUDDLE FLANGES ON CLASS PN25 DICL PIPE.





STANDARD DETAILS

THRUST AND ANCHOR BLOCKS GATE VALVES AND VERTICAL BENDS

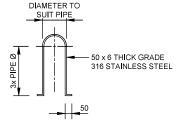
	Drawn	Designed	
	J. GOODMAN	KCDC	
	Approved	Revision Date	
	B. MAGUIRE	OCTOBER 2020	
	Scale	Drawing No.	Revision
	NOT TO SCALE	HDC-WS-005	R0

ELEVATION

VERTICAL BENDS

ANCHOR BLOCK CONSTRUCTION NOTES:

- LOCATE ANCHOR BLOCK CENTRALLY AROUND BEND.
- POUR CONCRETE AGAINST A SOLID EXCAVATION FACE.



TYPICAL SS STRAP

Original Sheet Size A3 [297x420]