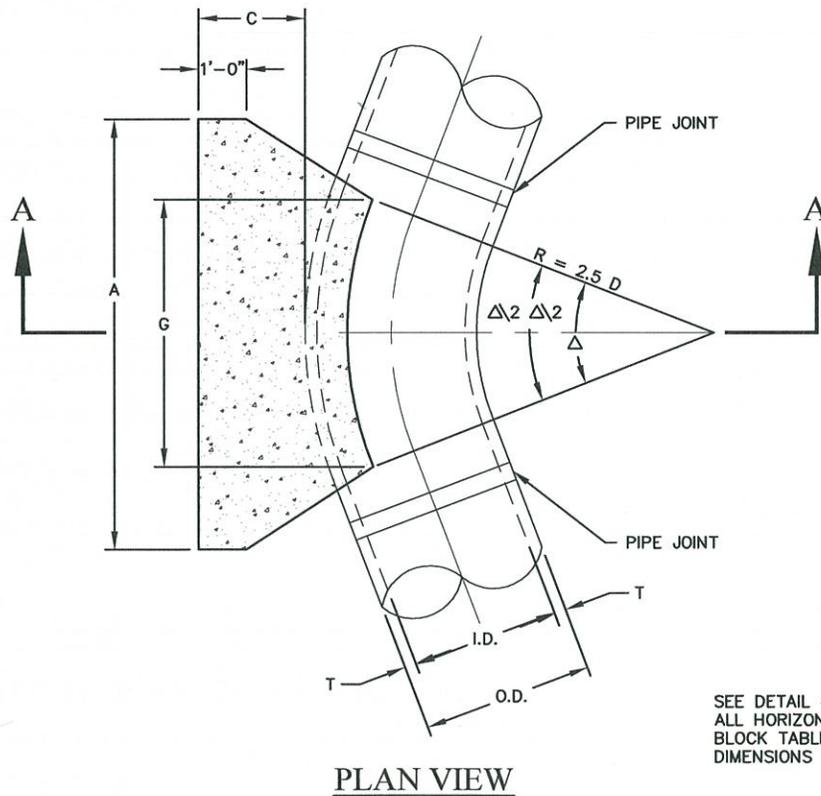
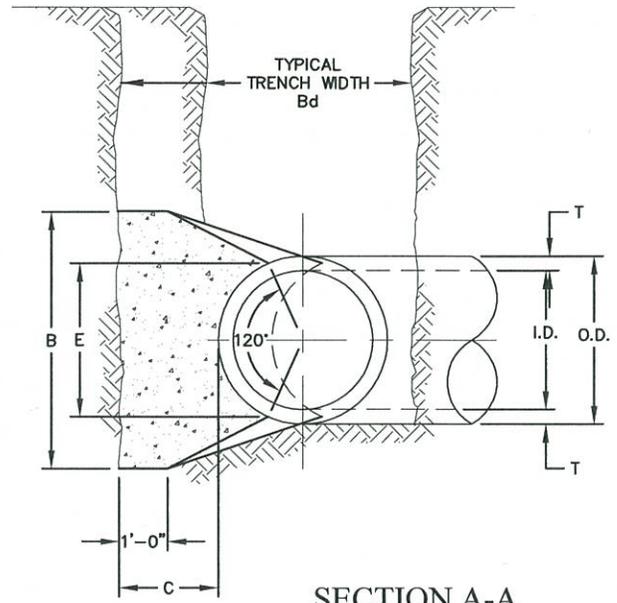


GENERAL NOTES:

1. CONCRETE BLOCKING SHALL BE CLASS "B".
2. ALL CALCULATIONS ARE BASED IN INTERNAL PRESSURE AT 200 PSI FOR DUCTILE IRON, PVC, AND 150 PSI FOR CONCRETE PIPE.
3. VOLUMES OF THRUST BLOCKS ARE NET VOLUMES OF CONCRETE TO BE FURNISHED. THE CORRESPONDING WEIGHT OF THE CONCRETE (CLASS "B") IS EQUAL TO OR GREATER THAN THE VERTICAL COMPONENT OF THE THRUST ON THE VERTICAL BEND.
4. WALL THICKNESS (T) ASSUMED HERE FOR ESTIMATING PURPOSES ONLY.
5. POUR CONCRETE BLOCK AGAINST UNDISTURBED EARTH.
6. DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD CONDITIONS WHERE AND AS DIRECTED BY THE ENGINEER. THE VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN HERE.
7. THE SOIL BEARING PRESSURES ARE BASED ON 1000 LBS./S.F. IN SOIL AND 2000 LBS./S.F. IN ROCK.
8. USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE AND BEND, TEE, OR PLUG TO PREVENT THE CONCRETE FROM STICKING TO IT.
9. CONCRETE SHALL NOT EXTEND BEYOND JOINTS.



SEE DETAIL 4020-B FOR ALL HORIZONTAL THRUST BLOCK TABLES OF DIMENSIONS AND QUANTITIES

HORIZONTAL THRUST BLOCK AT PIPE BENDS

NOT TO SCALE

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<p>APPROVED</p> <p><i>D. P. B.</i></p> <p>CITY ENGINEER</p>	<p>CITY OF WICHITA FALLS, TX ENGINEERING DIVISION</p> <p>MARCH 2016</p>	<p>HORIZONTAL THRUST BLOCK AT PIPE BENDS</p> <hr/> <p>DETAIL NO. 4020-A</p>
<p>DATE 5-13-16</p>		