Order Plans @ WWW.LDILine.com

PEACOCK
ARCHITECTS
5525 INTERSTATE NORTH PKW
ATLANTA GEORGIA 3032
404·214·5200 PHON
404·214·5208 FAX

CARROLL COUNTY DFCS
RENOVATION & EXPANSION
165 INDEPENDENCE DRIVE
CARROLLTON, GA 30116

GEORGIA REGISTERED No. 034591 PROFESSIONAL ENGINEER JOHN D. BASS

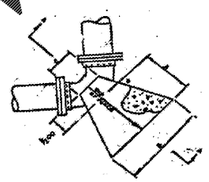
DATE	REVISION

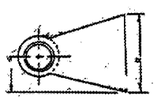
PROJECT NO: 400.01.01
DATE: 10/22/2018
DRAWING TITLE: CITY OF CARROLLTON WATER DETAILS

CD-4.1

THIS DRAWING AND ANY REPRODUCTIONS ARE THE PROPERTY AND COPYRIGHT OF PEACOCK ARCHITECTS, INC. AND MAY NOT BE USED IN ANY MANNER WITHOUT THE EXPRESSED WRITTEN PERMISSION OF PEACOCK ARCHITECTS, INC.

TYPICAL HORIZONTAL THRUST BLOCK





MINIMUM DIMENSIONS IN FEET FOR CONCRETE BLOCKING

Bend	Size	A	B	C	D	Volume Cubic Yard
11¼	6"	1.0'	1.0'	7"	1.0'	0.03'
	8"	1.0'	1.25'	7"	1.0'	0.04'
	12"	1.0'	1.0'	11"	2.0'	0.1'
	16"	2.0'	3.0'	15"	3.0'	0.3'
	20"	2.0'	3.0'	19"	3.0'	0.5'
	24"	3.0'	4.0'	22"	3.0'	0.8
22½	6"	1.0'	1.5'	7"	1.0'	0.04'
	8"	1.0'	2.0'	7"	2.0'	0.1'
	12"	2.0'	3.0'	11"	2.0'	0.3'
	16"	2.0'	4.0'	15"	3.0'	0.6'
	20"	3.0'	5.0'	19"	3.0'	1.0'
	24"	4.0'	6.0'	22"	4.0'	2.3'
45	6"	1.5'	2.0'	7"	1.5'	0.11'
	8"	2.0'	3.0'	7"	2.0'	0.3'
	12"	2.0'	4.0'	11"	3.0'	0.7'
	16"	3.0'	5.0'	15"	4.0'	1.4'
	20"	4.0'	6.0'	19"	5.0'	2.8'
	24"	5.0'	8.0'	22"	6.0'	5.0'
90	6"	1.5'	2.5'	7"	2.0'	0.2'
	8"	2.0'	3.0'	7"	3.0'	0.4'
	12"	4.0'	6.0'	11"	4.0'	2.1'
	16"	4.0'	7.0'	15"	5.0'	3.1'
	20"	6.0'	8.0'	19"	7.0'	5.3'
	24"	6.0'	10.0'	22"	8.0'	10.5'
Tees and Plugs	6"	1.5'	2.0'	7"	1.75'	0.13'
	8"	2.0'	3.0'	7"	2.0'	0.3'
	12"	2.0'	4.0'	11"	4.0'	0.8'
	16"	3.0'	5.0'	15"	5.0'	1.8'
	20"	4.0'	7.0'	19"	6.0'	3.9'
	24"	5.0'	8.0'	22"	7.0'	5.5'

SECTION A

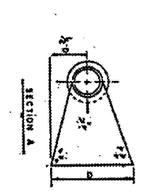
NOTE
Soil conditions shall be verified before thrust block design is implemented.

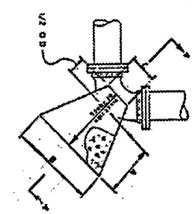
DESIGN DATA
Dimension of thrust block in feet based on 2000 pounds per square foot soil bearing pressure and 250 per square inch test pressure. Actual inside diameter of ductile iron pipe, Class 2 used as standard.
Concrete shall be class A, 3000 psi high early.

NOTE
Soil conditions shall be verified before thrust block design is implemented.
Conc formed so that does not interfere with bolts/nuts or holes.

DESIGN DATA
Dimension of thrust block in feet based on 2000 pounds per square foot soil bearing pressure and 250 per square inch test pressure
Actual inside diameter of ductile iron pipe, Class 2 used as standard.
Concrete shall be Class A, 3000psi high early.

TYPICAL DOWNWARD THRUST BLOCK





MINIMUM DIMENSIONS IN FEET FOR CONCRETE BLOCKING

Bend	Size	A	B	C	D	Volume Cubic Yard
11¼	6"	1.0'	1.0'	7"	1.0'	0.03'
	8"	1.0'	1.25'	7"	1.0'	0.04'
	12"	1.0'	1.0'	11"	2.0'	0.1'
	16"	2.0'	3.0'	15"	3.0'	0.3'
	20"	2.0'	3.0'	19"	3.0'	0.5'
	24"	3.0'	4.0'	22"	3.0'	0.8
22½	6"	1.0'	1.5'	7"	1.0'	0.04'
	8"	1.0'	2.0'	7"	2.0'	0.1'
	12"	2.0'	3.0'	11"	2.0'	0.3'
	16"	2.0'	4.0'	15"	3.0'	0.6'
	20"	3.0'	5.0'	19"	3.0'	1.0'
	24"	4.0'	6.0'	22"	4.0'	2.3'
45	6"	1.5'	2.0'	7"	1.5'	0.11'
	8"	2.0'	3.0'	7"	2.0'	0.3'
	12"	2.0'	4.0'	11"	3.0'	0.7'
	16"	3.0'	5.0'	15"	4.0'	1.4'
	20"	4.0'	6.0'	19"	5.0'	2.8'
	24"	5.0'	8.0'	22"	6.0'	5.0'
90	6"	1.5'	2.5'	7"	2.0'	0.2'
	8"	2.0'	3.0'	7"	3.0'	0.4'
	12"	4.0'	6.0'	11"	4.0'	2.1'
	16"	4.0'	7.0'	15"	5.0'	3.1'
	20"	6.0'	8.0'	19"	7.0'	5.3'
	24"	6.0'	10.0'	22"	8.0'	10.5'
Tees and Plugs	6"	1.5'	2.0'	7"	1.75'	0.13'
	8"	2.0'	3.0'	7"	2.0'	0.3'
	12"	2.0'	4.0'	11"	4.0'	0.8'
	16"	3.0'	5.0'	15"	5.0'	1.8'
	20"	4.0'	7.0'	19"	6.0'	3.9'
	24"	5.0'	8.0'	22"	7.0'	5.5'

DESIGN DATA
Dimension of thrust block in feet based on 2000 pounds per square foot soil bearing pressure and 250 per square inch test pressure. Actual inside diameter of ductile iron pipe, Class 2 used as standard. Concrete shall be Class A, 3000psi high early.

NOTE
Soil conditions shall be verified before thrust block design is implemented. Conc formed so that does not interfere with bolts/nuts or holes.

NOTE
Soil conditions shall be verified before thrust block design is implemented.

DESIGN DATA
Dimension of thrust block in feet based on 2000 pounds per square foot soil bearing pressure and 250 per square inch test pressure. Actual inside diameter of ductile iron pipe, Class 2 used as standard.
Concrete shall be class A, 3000 psi high early.