GPD GROUP.
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
520 South Main Street, Suite 2531
Akron, Ohio 44311
330.572.2100 Fax 330.572.2101
Copyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 2016

T-BOLT AND NUT

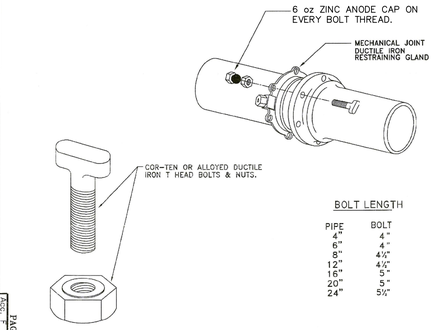
The City of Akron, Ohio
Department of Public Service Public Utilities Bureau
Michael L. McGinnis – Manager

REVISED BY JK 5/07

NOT TO SCALE

ACC. F – 19279

PAGE #22



BOLT LENGTH

PIPE	BOLT
4"	4"
6"	4"
8"	4½"
12"	4½"
16"	5"
20"	5"
24"	5½"

APPROVED _____ UTILITIES ENGINEER DATE

STANDARD VALVE BOX

The City of Akron, Ohio
Department of Public Service Public Utilities Bureau
Michael L. McGinnis – Manager

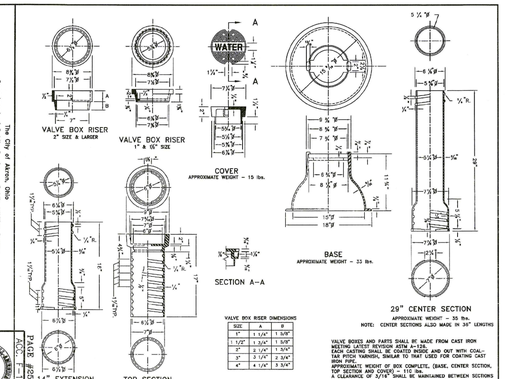
DRAWN FROM DRAWING ACC. F-3207

REVISED BY JK 5/07

NOT TO SCALE

ACC. F – 19285

PAGE #25



VALVE BOX RISER DIMENSIONS

SIZE	A	B
2"	1 1/4"	1 3/8"
4"	1 1/4"	1 3/8"
6"	2 1/4"	1 7/8"
8"	3 1/4"	2 3/4"
12"	4 1/4"	3 3/4"

VALVE BOXES AND PARTS SHALL BE MADE FROM CAST IRON MEETING LATEST REVISION ASTM A-126, CLASS B. EACH CASTING SHALL BE COATED INSIDE AND OUT WITH COAL-TAR PITCH VARNISH, SIMILAR TO THAT USED FOR COATING CAST IRON PIPE.
APPROXIMATE WEIGHT OF BOX COMPLETE, (BASE, CENTER SECTION, TOP SECTION AND COVER) = 110 lbs.
A CLEARANCE OF 3/16" SHALL BE MAINTAINED BETWEEN SECTIONS AT ALL POINTS.

APPROVED _____ UTILITIES ENGINEER DATE

RESTRAINED JOINT PIPE

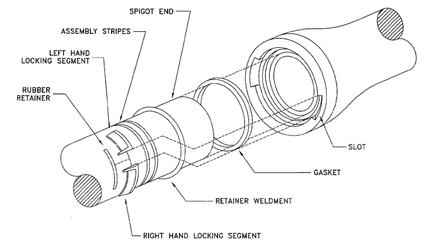
The City of Akron, Ohio
Department of Public Service Public Utilities Bureau
Michael L. McGinnis – Manager

REVISED BY JK 5/07

NOT TO SCALE

ACC. F – 19277

PAGE #23



APPROVED _____ UTILITIES ENGINEER DATE

TYPICAL CONCRETE THRUST BLOCKING

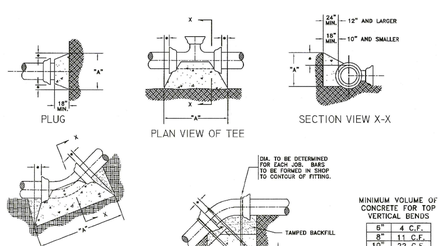
The City of Akron, Ohio
Department of Public Service Public Utilities Bureau
Michael L. McGinnis – Manager

REVISED BY JK 5/07

NOT TO SCALE

ACC. F – 14278

PAGE #20



MINIMUM VOLUME OF CONCRETE FOR TOP VERTICAL BENDS

6"	4 C.F.
8"	11 C.F.
10"	22 C.F.
12"	37 C.F.
16"	71 C.F.

"A" HORIZONTAL BENDS

	90°	45°	22 1/2°	TEE	PLUG
6"	17"	13"	9"	13"	14"
8"	23"	17"	12"	17"	19"
10"	28"	21"	15"	21"	24"
12"	34"	25"	18"	25"	29"
16"	45"	33"	24"	28"	38"

* 6" MINIMUM
COPIED FROM Acc. C – 9015 AND REVISED

NOTE: IN AREAS OVER 100PSI PLEASE CALL 375-2690 FOR THRUST BLOCK SIZING

APPROVED _____ UTILITIES ENGINEER DATE

HYDRANT RUN & INSTALLATION

The City of Akron, Ohio
Department of Public Service Water Supply Bureau
Jeffrey Bronowski – Manager

REVISED BY JK 02/17

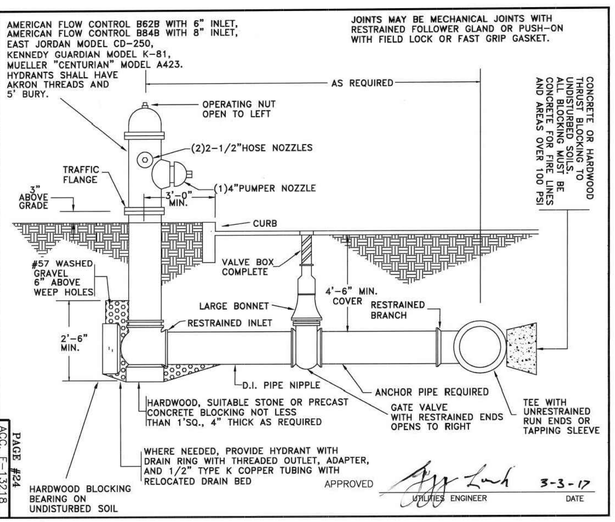
NOT TO SCALE

ACC. F-13218

PAGE #24

AMERICAN FLOW CONTROL B62B WITH 6" INLET,
AMERICAN FLOW CONTROL B84B WITH 8" INLET,
EAST JORDAN MODEL CD-250,
KENNEDY GUARDIAN MODEL K-81,
MUELLER "CENTURIAN" MODEL A423.
HYDRANTS SHALL HAVE AKRON THREADS AND 5' BURY.

JOINTS MAY BE MECHANICAL JOINTS WITH RESTRAINED FOLLOWER GLAND OR PUSH-ON WITH FIELD LOCK OR FAST GRIP GASKET.



APPROVED _____ UTILITIES ENGINEER 3-3-17 DATE

MECHANICAL JOINT DUCTILE IRON RESTRAINING GLANDS

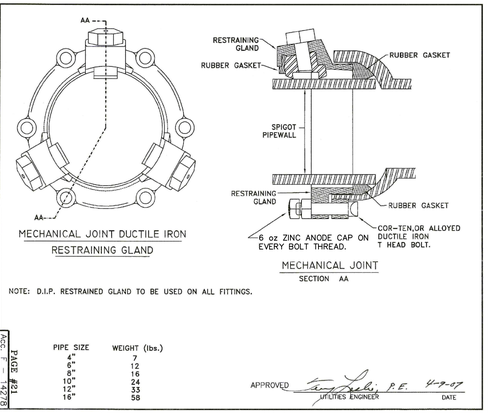
The City of Akron, Ohio
Department of Public Service Public Utilities Bureau
Michael L. McGinnis – Manager

REVISED BY JK 5/07

NOT TO SCALE

ACC. F – 14278

PAGE #21



NOTE: D.I.P. RESTRAINED GLAND TO BE USED ON ALL FITTINGS.

PIPE SIZE	WEIGHT (lbs.)
4"	7
6"	12
8"	16
10"	24
12"	33
16"	58

APPROVED _____ UTILITIES ENGINEER DATE

REV.	DATE	DESCRIPTION
	01/23/17	ISSUED FOR REVIEW
	04/17/17	REVISED PER AGENCY COMMENTS

THE PRESERVE AT MILLER'S FARM
PHASE 4
SE CORNER OF SR 18 AND MEDINA LINE RD
COPLEY, OHIO 44321

AKRON WATER
DETAILS

ISSUED FOR:	
PERMIT	01/23/17
BID	
CONSTRUCTION	
AS-BUILT	

PROJECT MANAGER	DESIGNER
MAL	ALF

JOB NO.
2013258.04

29/29

Drawing Name: O:\2013\2013258\04\DWGS\Construction Documents\Sheets\2013258804 Notes And Details.dwg
June 2, 2017 10:28 AM - twright