

CONSULTANT

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**TECTON
PRODUCTS, LLC
MANUFACTURING
FACILITY**

ROANOKE COUNTY, VIRGINIA			
REV	DATE	DESCRIPTION	APP

COMM NO: 50298
ISSUE DATE: OCTOBER 28, 2005
DESIGNED BY: TJG DRAWN BY: TJG
CHECKED BY: MLC SUBMITTED BY: ADL
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CIVIL

DETAILS

WWW.ID# 86VGRQ

C501

WATER LINE VALVE INSTALLATION

W-08

MANHOLE FRAME AND COVER

W-17

INSTALLATION DETAIL FOR ALL FRAMES AND COVERS

W-16

TAPPING SLEEVE AND VALVE

W-23

TYPICAL WATER PRESSURE TEST RIG

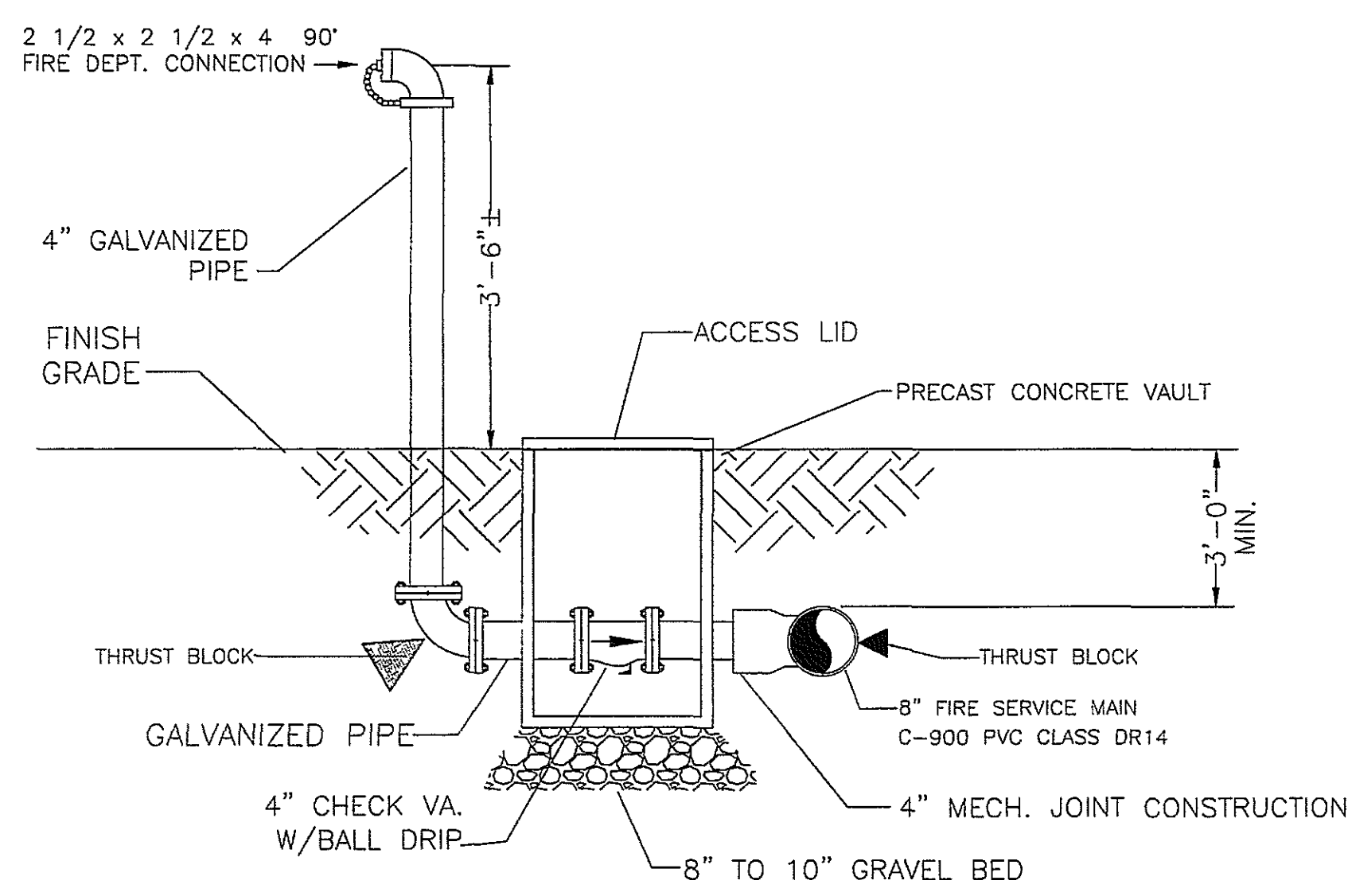
W-21

FACTOR OF SAFETY = 1.5											
PIPE SIZE	PIPE MAT'L	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND	VALVE	TEE	REDUCER	VERT. 45°	VERT. 22 1/2°	VERT. 11 1/4°
6"	D.I.	28'	12'	6'	3'	38'	34'	20'	23'	11'	5'
8"	D.I.	37'	15'	7'	4'	51'	47'	21'	30'	15'	7'
10"	D.I.	45'	19'	9'	4'	61'	57'	20'	37'	18'	9'
12"	D.I.	53'	22'	11'	5'	73'	69'	38'	43'	21'	10'
6"	PVC	30'	12'	6'	3'	56'	38'	29'	35'	17'	8'
8"	PVC	40'	16'	8'	4'	74'	56'	31'	46'	22'	11'
10"	PVC	47'	20'	9'	5'	89'	82'	30'	56'	27'	13'
12"	PVC	56'	23'	11'	6'	106'	88'	56'	66'	32'	16'

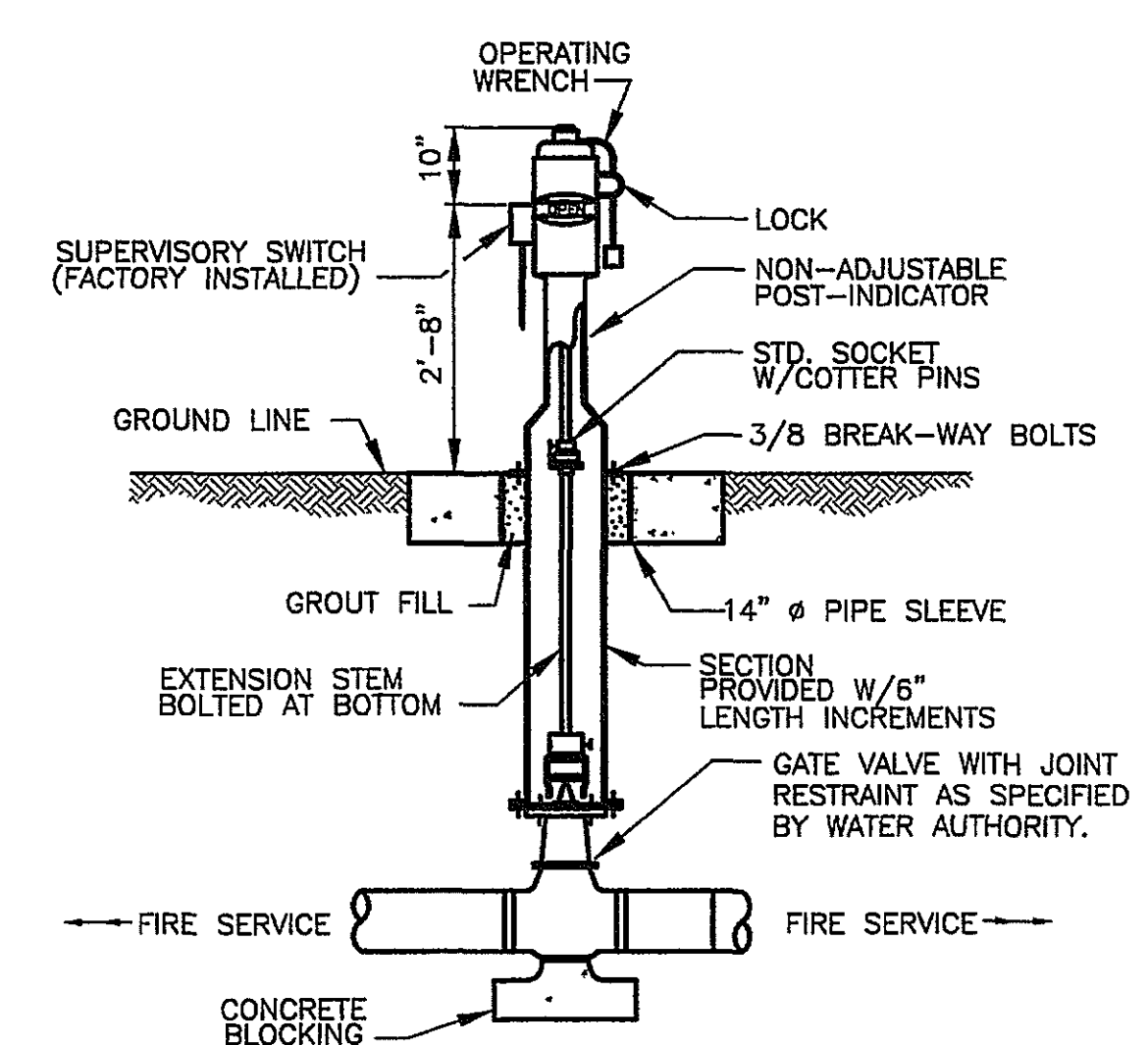
1. ALL JOINTS SHALL BE RESTRAINED ON BOTH SIDES OF THE FITTING FOR THE LENGTH SHOWN UNLESS OTHERWISE INDICATED.
2. REDUCER IS ONE SIZE SMALLER THAN PIPE LISTED. RESTRAINED LENGTH IS UPSTREAM ON THE LARGE SIDE OF THE REDUCER.

THRUST RESTRAINT OF PIPE JOINTS DESIGN LENGTHS

W-20



FIRE DEPARTMENT CONNECTION DETAIL
NO SCALE



POST INDICATOR VALVE (PIV)
NO SCALE