

1. SOIL DESCRIPTION: VERY FINE SANDS, SANDY CLAYS, CLAYS.

PIPE DIAMETER	A	B	C	D
100	200	200	200	200
150	300	300	300	300
200	400	400	400	400
250	500	500	500	500
300	600	600	600	600
350	700	700	700	700
400	800	800	800	800

2. SOIL DESCRIPTION: FINE SANDS, GRAVELS, OR CLAYEY SAND GRAVELS.

PIPE DIAMETER	A	B	C	D
100	200	200	200	200
150	300	300	300	300
200	400	400	400	400
250	500	500	500	500
300	600	600	600	600
350	700	700	700	700
400	800	800	800	800

3. SOIL DESCRIPTION: MEDIUM TO FINE SANDS, GRAVELS, AND GRAVEL-SAND MIXTURES.

PIPE DIAMETER	A	B	C	D
100	200	200	200	200
150	300	300	300	300
200	400	400	400	400
250	500	500	500	500
300	600	600	600	600
350	700	700	700	700
400	800	800	800	800

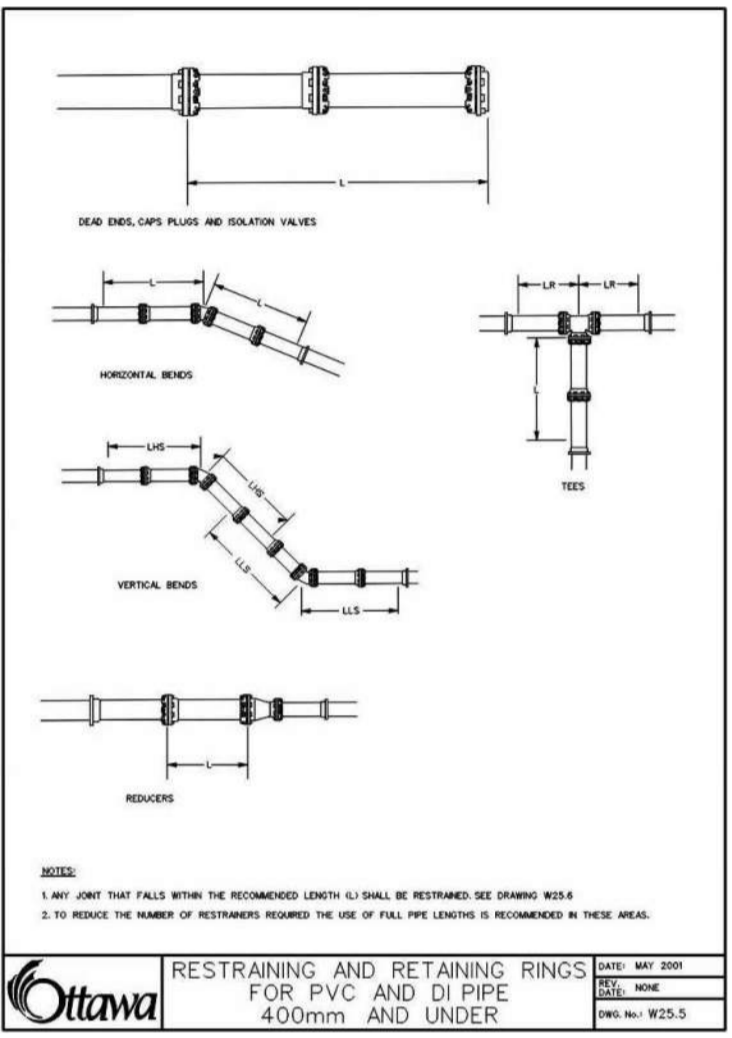
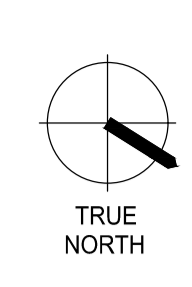
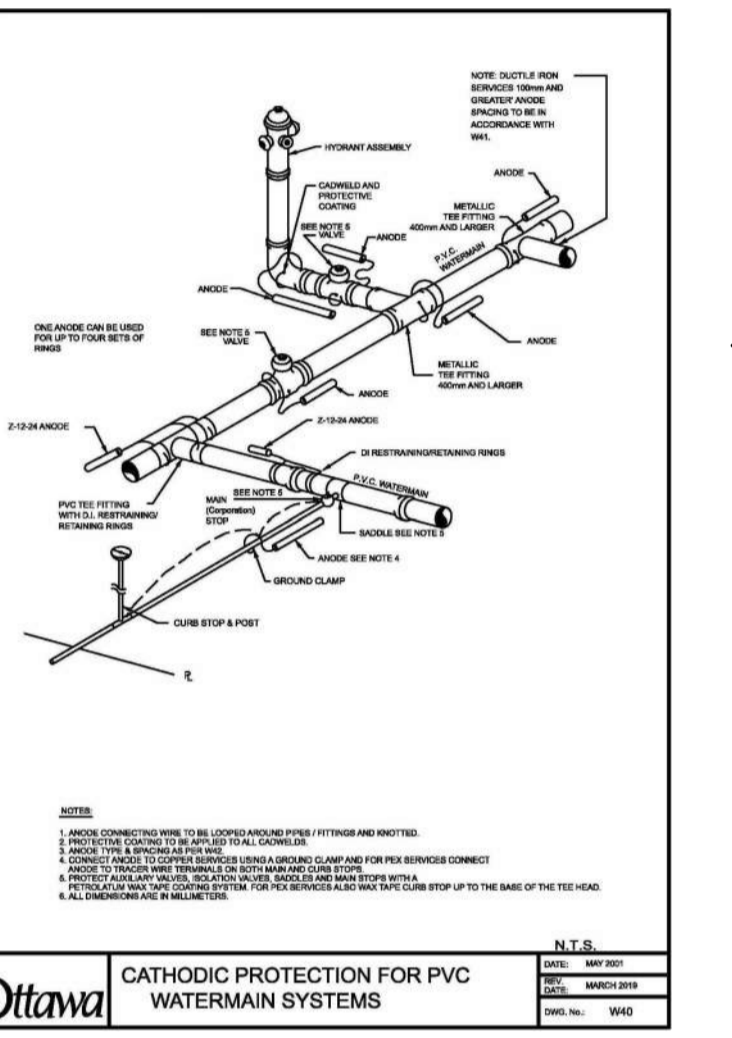
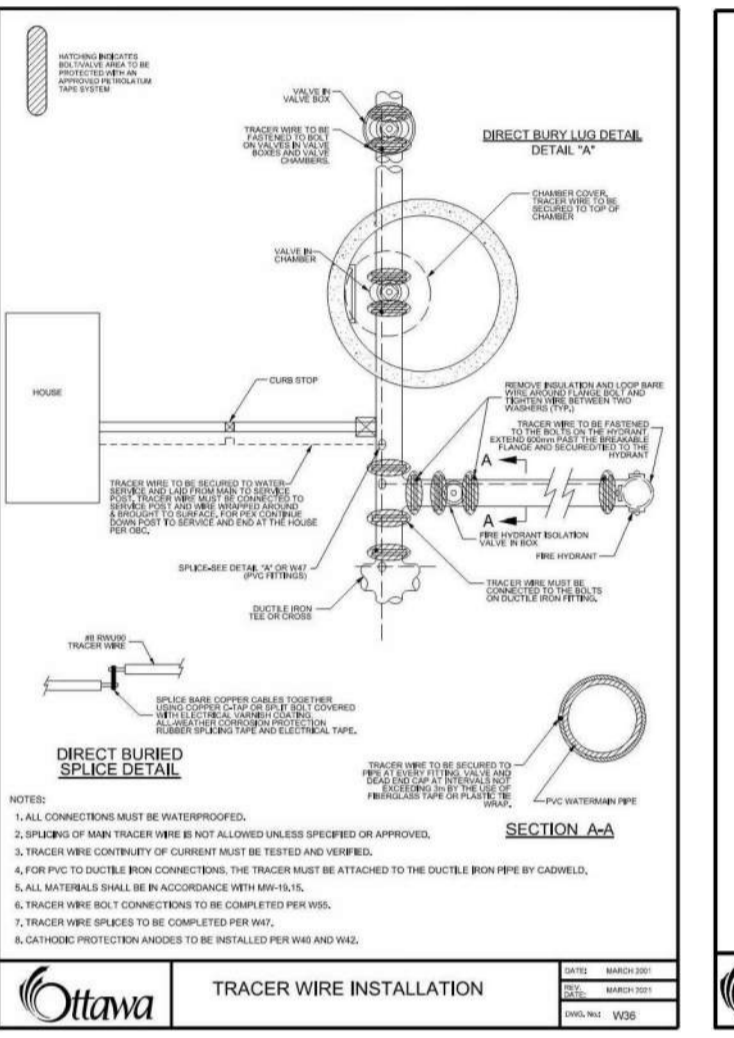


TABLE OF RESTRAINED LENGTHS FOR PVC AND DI WATERMAIN PER IN STANDARD CONDITIONS TO CORRECT FOR THE EFFECT OF SOIL BEARING CAPACITY OF 100 kPa AND OVER

REDUCERS	100mm	150mm	200mm	250mm	300mm	400mm
100mm	N/A	3	4	5	6	7
150mm	N/A	N/A	4	5	6	7
200mm	N/A	N/A	N/A	5	6	7
250mm	N/A	N/A	N/A	N/A	6	7
300mm	N/A	N/A	N/A	N/A	N/A	7
400mm	N/A	N/A	N/A	N/A	N/A	N/A

TABLES OF RESTRAINED LENGTHS FOR PVC AND DI PIPE 400mm AND UNDER

PIPE DIAMETER	100mm	150mm	200mm	250mm	300mm	400mm
BEFORE CAPS AND EITHER SIDE OF VALVES - L	5	6	8	10	12	16
VERTICAL BENDS						
LENGTH HIGH SIDE - L	3	4	5	6	7	9
LENGTH LOW SIDE - L	1.5	2	2.5	3	3.5	4.5
HORIZONTAL BENDS						
45° AND 90° BENDS - L	1	1.5	2	2	2.5	



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CF Cadillac Fairview

PARSONS

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1	ISSUED TO SITE PLAN CONTROL	2021-10-29
NO.	ISSUE/REVISION	DATE

NOT FOR CONSTRUCTION

PROJECT
**CF RIDEAU CENTRE
 REGISTRY SITE**

PROJECT ADDRESS
 70 NICOLAS ST.
 OTTAWA, ON

TITLE
**WATERMAIN
 DETAILS**

PROJECT NO.	DRAWN	CHECKED
18-1060	Author	Checker
DRAWING NO.	REVISION NO.	

SPA-C103

