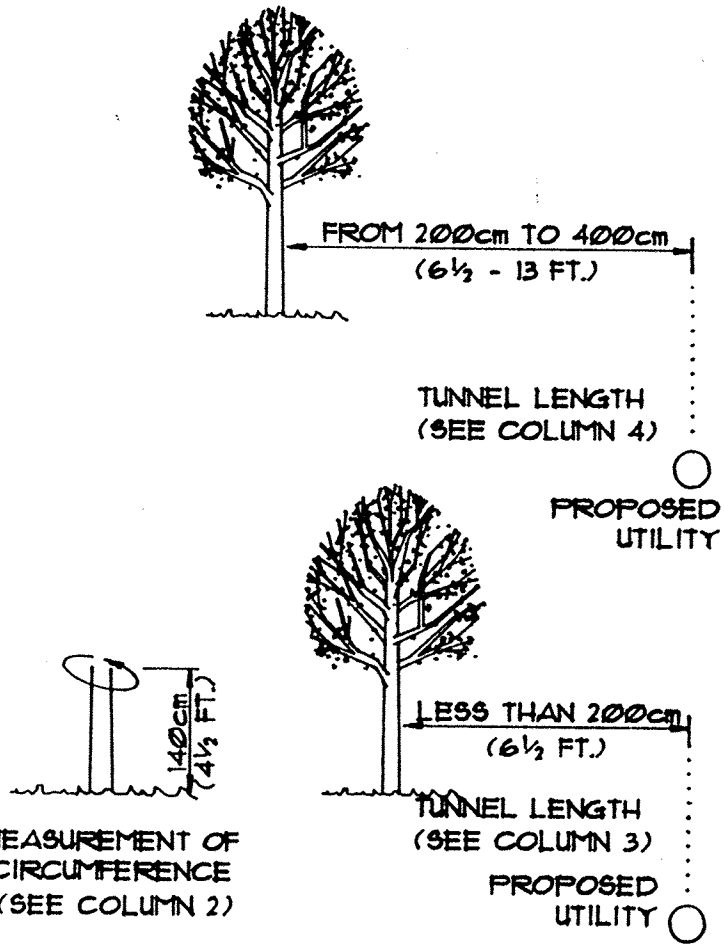
TREE DIAMETER AT 140cm (4½ FT) ABOVE GROUND		CIRCUMFERENCE OF TREE AT 140cm (4½ FT) ABOVE GROUND		TUNNEL LENGTH FROM TREE TO 200cm (6½ FT) FROM TREE		TUNNEL LENGTH 200cm (6½ FT) TO 400cm (13 FT) FROM TREE	
COLUMN 1		COLUMN 2		COLUMN 3		COLUMN 4	
cm	In	cm	In	cm	ft	cm	ft
15	6	47	18	150	5	-	-
20	8	62	24	200	6½	-	-
25	10	78	30	250	8	50	1½
30	12	94	37	300	9½	100	3
35	14	109	43	350	11	150	5
40	16	125	49	400	13	200	6½
45	18	141	56	450	15	250	8
50	20	157	62	500	16	300	9½
55	22	172	68	550	18	350	11
60	24	188	74	600	20	400	13
65	26	204	80	650	21	450	15
70	28	219	86	700	23	500	16
75	30	235	93	750	24½	550	18
80	32	251	99	800	26	600	20
85	34	266	105	850	28	650	21



INSTRUCTIONS FOR TUNNELING NEAR TREES

1. MEASURE WITH TAPE THE CIRCUMFERENCE OF THE TREE AT 140cm (4½ FT.) ABOVE THE GROUND AND LOOK AT COLUMN 2 FOR THE NEAREST FIGURE.

2. DETERMINE HORIZONTAL DISTANCE BETWEEN THE SIDE OF THE TREE TRUNK AND PROPOSED UTILITY.

   IF YOU ARE WITHIN 200cm (6½ FT.) OF THE TREE SELECT YOUR TUNNEL LENGTH IN COLUMN 3.

   IF YOU ARE BETWEEN 200cm - 400cm (6½ FT. - 13 FT.) SELECT YOUR TUNNEL LENGTH IN COLUMN 4

3. DIVIDE THE TUNNEL LENGTH BY 2 AND MEASURE EQUAL DISTANCE FROM EACH SIDE OF THE TREE TRUNK.

EXAMPLE THE CIRCUMFERENCE OF THE TREE AT 140cm (4½ FT.) ABOVE THE GROUND IS 188cm (6 FT.) AND YOU ARE 150cm (5 FT.) FROM THE BASE OF THE TREE. YOU THEREFORE SELECT 600cm (20 FT.) IN COLUMN 3 AS YOUR TUNNEL LENGTH.

CITY OF WINDSOR
DEPARTMENT OF PARKS & RECREATION
DEPARTMENT OF PUBLIC WORKS

PROJECT : GUIDE LINES FOR TUNNELING LENGTHS NEAR OR AT TREES

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REVISIONS : AUGUST 14, 1989	CHECKED BY :
CHECKED BY : B.H. McGAULEY	PASSED BY :

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