

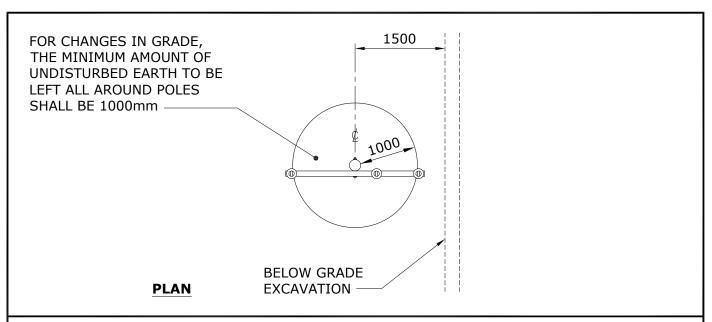
Table 1
Minimum depth of burial of cables and duct and chamber systems
(See Clauses 5.1.2, 5.1.3 and 5.2.)

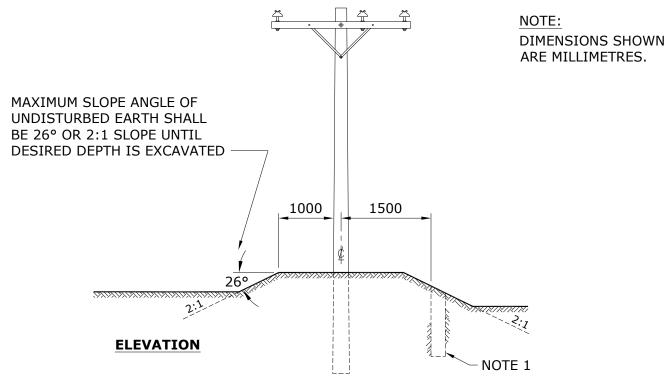
	Depth of burial, mm						
Type of system	Surface of Bottom of the earth ditches		Under parkways or lawns	Under roadways			
Communication cables	600*	750*	450*	600*			
Communication drops	450*	600*	450*	450*			
Supply cables >750 V	750*‡	1000*‡	750*‡	1000*‡			
Supply cables ≤750 V	600*‡	750*‡	600*‡	1000*‡			
Duct and subsurface chamber system	450†	600†	450†	600†			

^{*} See Clause 5.1.4 for reduced depth of burial at cable crossings and Clause 5.1.5 where these values are not practical.

[†] See Clause 5.2.2 where these depths cannot be achieved.

[‡] This depth of burial may be reduced where the underground supply cable transitions to an above-ground structure (e.g., a pole) within a distance as short as possible from the structure without exceeding 1.5 m.



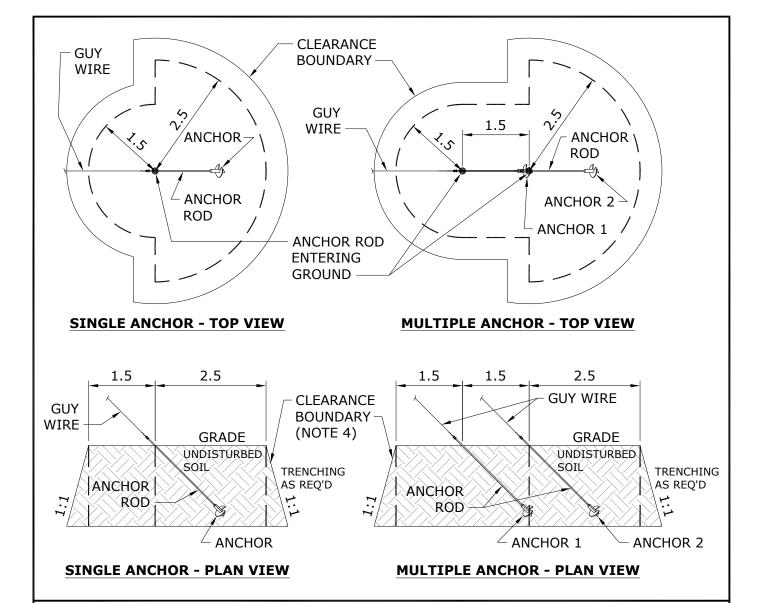


NOTE:

1. THE MINIMUM SEPARATION (TO ANY SIDE OF A POLE) FOR EXCAVATIONS DEEPER THAN 500mm WITHOUT DISTRIBUTION ENGINEERING INVOLVEMENT SHALL BE 1500mm, EXCAVATIONS TO BE BACKFILLED & TAMPED TO MAINTAIN SLOPE. A CIVIL ENGINEER SHOULD BE CONSULTED FOR ANY LARGER (TEMPORARY OR PERMANENT) EXCAVATIONS.

SUPERCEDES ORIGINAL SEALED BY E. WIEBE ON 94-07-11

APPROVED		REVISIONS				MANITOBA HYDRO DISTRIBUTION STANDARDS								
ORIGINAL DRAWING	23· 0		4	ADDED SH EXCAVATI AROUND	HEET 2 - ION LIMITS ANCHORS			ALL	OWA	BLE	EXC	AVAT:	IONS	
SEALED BY D.R. ORR	19· 0·		3	REVISED RESEALED	NOTE 1,)			ARC	DUNI	D EX	ISTII	NG PO	DLES	
19-05-17	06· 0:		2	REVISED SLOPE & ADDED MORE EXPLANATION TO NOTES		5	AND ANCHORS							
DRAWN	CHEC	KE	D	DA	ATE				<u> </u>	<u> </u>			SHT	REV
C.A. G.D./		/C.	.W. 19-04			CD 30-55			0001 of 2	04				



NOTES:

- 1. EXCAVATION ZONE LIMITS ARE ONLY APPLICABLE FOR NORMAL OR BETTER SOIL CONDITIONS. FOR POOR OR SWAMP SOIL CONDITIONS, CONTACT DISTRIBUTION ENGINEERING BEFORE BEGINNING ANY WORK.
- 2. IF THERE ARE MULTIPLE ANCHORS IN-LINE, ADD ANOTHER 1.5m FOR EACH ADDITIONAL ANCHOR TO THE 1.5m MINIMUM DIMENSION.
- 3. THIS DRAWING SHOWS A PISA ANCHOR, IT IS APPLICABLE FOR ALL ANCHOR TYPES.
- 4. EXCAVATION TO BE DONE AT MAXIMUM ANGLE OF 45° SLOPE AWAY FROM THE CLEARANCE BOUNDARY. THE HORIZONTAL AND VERTICAL CUTS SHALL NOT BE STEEPER THAN 1:1 RATIO TO PREVENT CAVE-IN.
- 5. IF AT ANY TIME IN THE COURSE OF EXCAVATION THE POLE OR ITS SUPPORTING EQUIPMENT APPEARS TO BECOME UNSTABLE TO ANY DEGREE, WORK SHALL BE HALTED IMMEDIATELY AND DISTRIBUTION ENGINEERING SHALL BE CONTACTED BEFORE PROCEEDING WITH ANY ADDITIONAL EXCAVATION.
- 6. IF THE SPECIFIED CLEARANCES CANNOT BE MET, CONTACT DISTRIBUTION ENGINEERING BEFORE BEGINNING ANY WORK.
- 7. DIMENSIONS SHOWN ARE IN METERS.

APPROVED	REV	ISIONS	MANITOBA HYDRO DISTRIBUTION STA	NDARDS	
ORIGINAL DRAWING SEALED BY C. WEERAKOON 23-01-30			ALLOWABLE EXCAVATE AROUND EXISTING PO AND ANCHORS		
DRAWN	CHECKED	DATE	CD 20 FF	SHT	REV
C.A.	G.D.	23-01	CD 30-55	0002 of 2	00