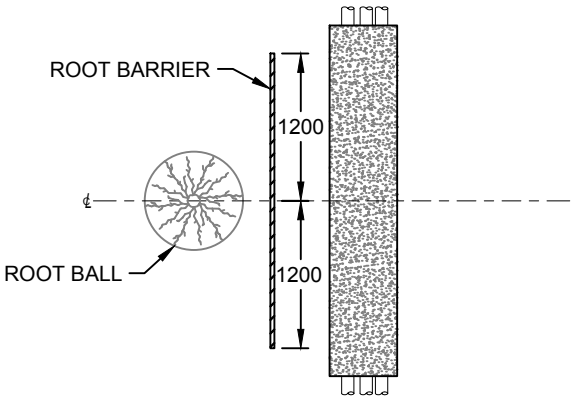


PLAN VIEW (NOTE F)

NOTES:

A. ALL MEASUREMENTS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED

B. ENGINEERED ROOT CELL STRUCTURES WITH ROOT BARRIER MAY BE INSTALLED WITH A MINIMUM 500mm OFFSET FROM THE UNDERGROUND STRUCTURE, DUCT OR CABLE.

C. MINIMUM 1500mm CLEAR REQUIRED ON ONE SIDE OF THE UNDERGROUND STRUCTURE, DUCT OR CABLE TO PERMIT FUTURE ACCESS.

D. ROOT BARRIER REQUIRED WHERE EDGE OF ROOT BALL IS INSTALLED WITHIN 1000mm OF STRUCTURE, DUCT OR CABLE.

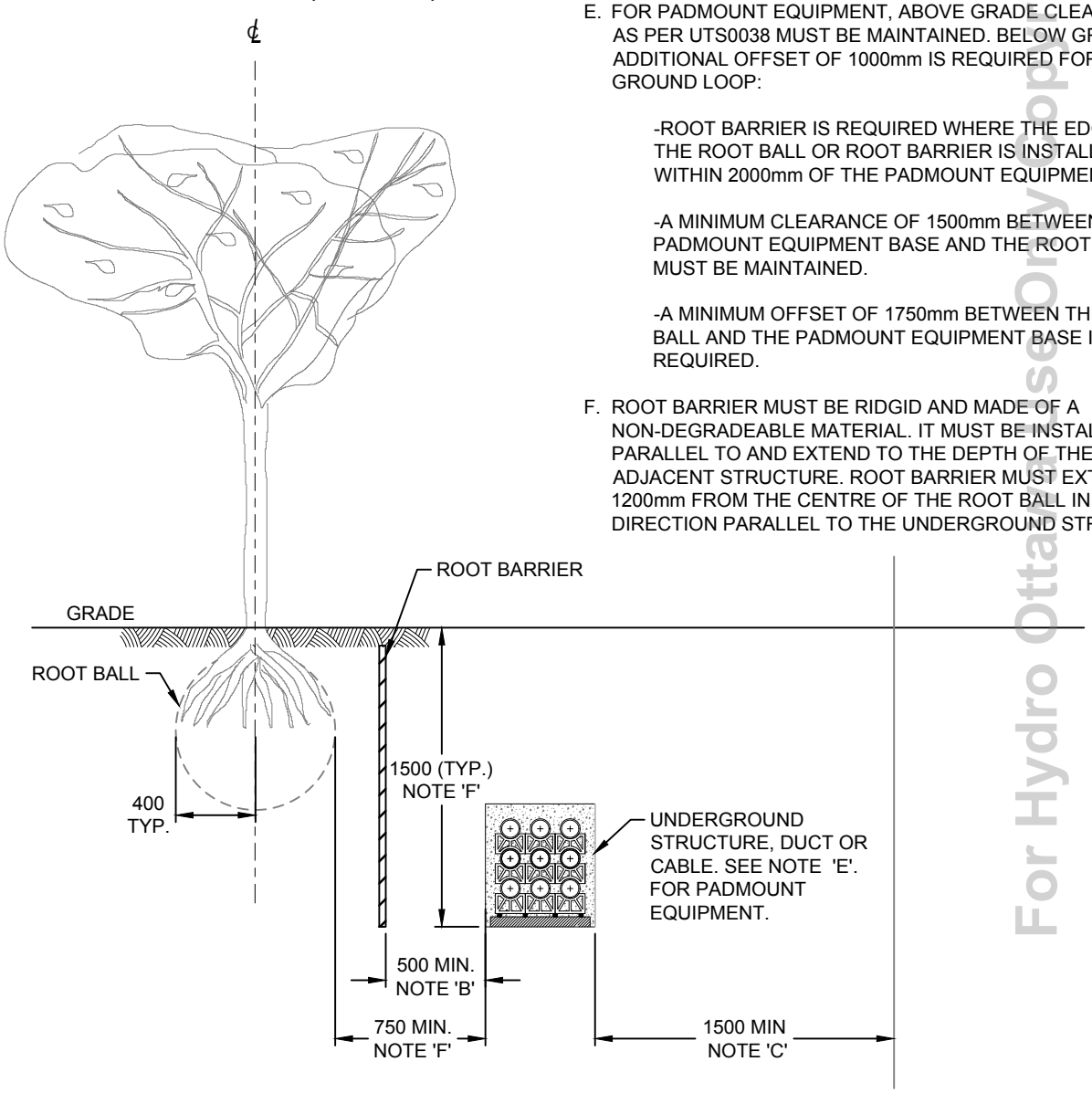
E. FOR PADMOUNT EQUIPMENT, ABOVE GRADE CLEARANCES AS PER UTS0038 MUST BE MAINTAINED. BELOW GRADE ADDITIONAL OFFSET OF 1000mm IS REQUIRED FOR THE GROUND LOOP:

-ROOT BARRIER IS REQUIRED WHERE THE EDGE OF THE ROOT BALL OR ROOT BARRIER IS INSTALLED WITHIN 2000mm OF THE PADMOUNT EQUIPMENT BASE.

-A MINIMUM CLEARANCE OF 1500mm BETWEEN THE PADMOUNT EQUIPMENT BASE AND THE ROOT BARRIER MUST BE MAINTAINED.

-A MINIMUM OFFSET OF 1750mm BETWEEN THE ROOT BALL AND THE PADMOUNT EQUIPMENT BASE IS REQUIRED.

F. ROOT BARRIER MUST BE RIDGID AND MADE OF A NON-DEGRADEABLE MATERIAL. IT MUST BE INSTALLED PARALLEL TO AND EXTEND TO THE DEPTH OF THE ADJACENT STRUCTURE. ROOT BARRIER MUST EXTEND 1200mm FROM THE CENTRE OF THE ROOT BALL IN EACH DIRECTION PARALLEL TO THE UNDERGROUND STRUCTURE.



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PREP: E. VEH
CHKD: R. WILLIAMS
APPD: B. HAZLETT P. Eng
DATE: 2018-03-22
SCALE: N.T.S. @ ANSI A

TITLE
ENGINEERING SPECIFICATION
TREES IN PROXIMITY TO HYDRO OTTAWA UNDERGROUND STRUCTURES
CONSTRUCTION DETAIL

NO: GCS0038

1 OF 1

REV: 0

G:\4.2.3 TECH STD & MAT\01 STDS\01 HOL\G-GENERAL\C-CONSTRUCTION\GCS0038 R0 ROOT BALL LT 3.0M FROM HOL UNDERGROUND DUCT CABLE.DWG

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