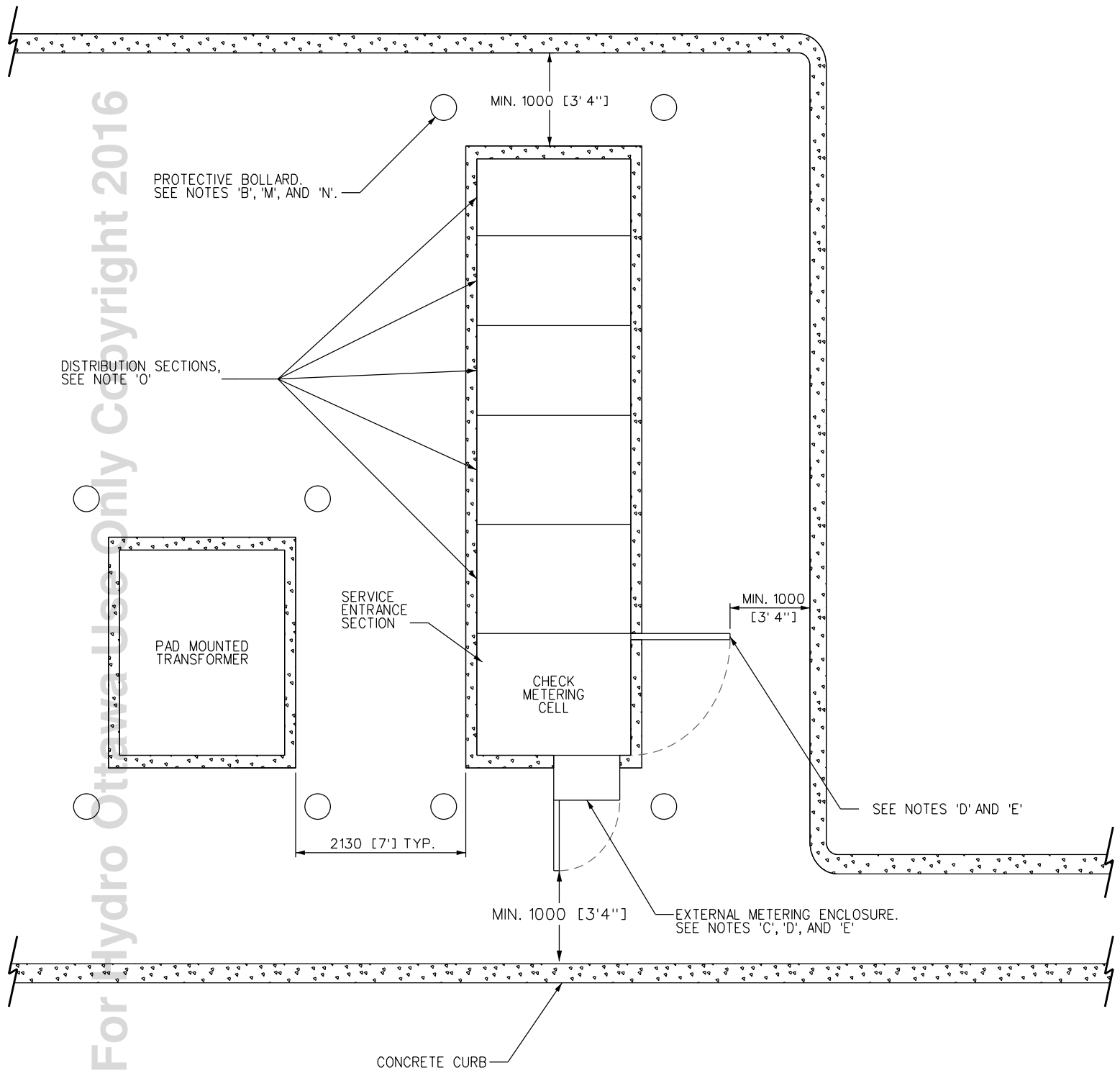

NOTES:

A. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

B. BOLLARDS AS REQUIRED AS PER HYDRO OTTAWA REVENUE METERING SPECIFICATION GCS0008.

C. EXTERNAL ENCLOSURE FOR METER TO BE NEMA-4 OR NEMA-4X RATED, AND INCLUDE FACTORY INSTALLED LOCKING HASP; REFER TO HYDRO OTTAWA SPECIFICATION GCS0008 FOR MORE INFORMATION.

D. IF LOCATED IN, OR NEAR, THE VICINITY OF A ROAD OR PARKING LOT:
   i. A MINIMUM SET BACK OF 1000 [3' 4"] BETWEEN EDGE OF DOOR OF EXTERNAL ENCLOSURE, WHILE OPEN 90 DEGREES, AND TRAVELLED PORTION OF THE ROAD OR PARKING LOT IF THE ROAD OR PARKING LOT HAS A CURB BUT DOES NOT HAVE A SIDEWALK.
   ii. A MINIMUM SET BACK OF 4000 [13' 1-1/2"] BETWEEN EDGE OF DOOR OF EXTERNAL ENCLOSURE, WHILE OPEN 90 DEGREES, AND TRAVELLED PORTION OF THE ROAD OR PARKING LOT IF THE ROAD OR PARKING LOT DOES NOT HAVE A CURB AND SIDEWALK.
   iii. A MINIMUM SET BACK OF 1000 [3' 4"] BETWEEN EDGE OF DOOR OF EXTERNAL ENCLOSURE, WHILE OPEN 90 DEGREES, AND SIDEWALK AWAY FROM THE TRAVELLED PORTION OF THE ROAD OR PARKING LOT IF THE ROAD OR PARKING LOT HAS BOTH A CURB AND SIDEWALK.
   iv. A MINIMUM SET BACK OF 1000 [3' 4"] BETWEEN EDGE OF CELL DOOR, WHILE OPEN 90 DEGREES, AND TRAVELLED PORTION OF THE ROAD OR PARKING LOT IF THE ROAD OR PARKING LOT HAS A CURB BUT DOES NOT HAVE A SIDEWALK.
   v. A MINIMUM SET BACK OF 4000 [13' 1-1/2"] BETWEEN EDGE OF CELL DOOR, WHILE OPEN 90 DEGREES, AND TRAVELLED PORTION OF THE ROAD OR PARKING LOT IF THE ROAD OR PARKING LOT DOES NOT HAVE A CURB AND SIDEWALK.
   vi. A MINIMUM SET BACK OF 1000 [3' 4"] BETWEEN EDGE OF CELL DOOR, WHILE OPEN 90 DEGREES, AND SIDEWALK AWAY FROM THE TRAVELLED PORTION OF THE ROAD OR PARKING LOT IF THE ROAD OR PARKING LOT HAS BOTH A CURB AND SIDEWALK.

E. DOOR DOES NOT OBSTRUCT SIDEWALK, WALKWAY, PEDESTRIAN TRAFFIC, OR VEHICULAR TRAFFIC WHILE OPEN.

F. THE METAL ENCLOSED SWITCHGEAR SHALL MEET OR EXCEED THE REQUIREMENTS OF NEMA TYPE 4 OR NEMA TYPE 4X; WHICHEVER IS MORE APPROPRIATE.

G. THE BOTTOM OF EACH OF THE ACCESS DOORS FOR THE METAL ENCLOSED SWITCHGEAR SHALL HAVE MINIMUM CLEARANCE OF NO LESS THAN 460 [1' 6"] ABOVE FINISHED GRADE.

H. CUSTOMER/CONTRACTOR SHALL POST A PERMANENT LAMACOID PLATED SINGLE LINE DIAGRAM (SLD) AT THE SERVICE ENTRANCE MAIN BREAKER AND/OR SWITCH TO INDICATE THE LAYOUT OF THE INSTALLATION. THIS SLD MUST BE PLAINLY AND PERMANENTLY MARKED, IDENTIFYING THE LOCATIONS OF ALL THE DOWNSTREAM SECONDARY REVENUE METERING INSTALLATIONS.

I. THE METAL ENCLOSED SWITCHGEAR SHALL MEET OR EXCEED THE REQUIREMENTS OF NEMA TYPE 4 OR NEMA TYPE 4X SPECIFICATIONS; WHICHEVER IS MORE APPROPRIATE.

J. METAL ENCLOSED SWITCHGEAR SHALL BE MOUNTED ON A LEVEL FINISHED CONCRETE FOUNDATION.

K. CONCRETE TO BE 20 MPA AND 6% AIR.

L. BACKFILL COMPACTED TO BE NO LESS THAN 95% OF STANDARD PROCTOR DENSITY.

M. INSTALLATION IS SUBJECT TO THE REQUIREMENTS OF THE ONTARIO ELECTRICAL SAFETY CODE (OESC) AND THE APPROVAL OF THE ELECTRICAL SAFETY AUTHORITY (ESA).

N. BOLLARDS, AND GROUND-GRID IF REQUIRED, SUBJECT TO THE REQUIREMENTS OF THE ONTARIO ELECTRICAL SAFETY CODE (OESC) AND THE APPROVAL OF THE ELECTRICAL SAFETY AUTHORITY (ESA).

O. REFER TO HYDRO OTTAWA SPECIFICATION MCS0103 FOR ADDITIONAL REVENUE METERING OPTIONS.

REVISIONS	PREP	CHKD	APPD
REV: DATE: YYYY-MM-DD CHANGE:			
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REV: DATE: YYYY-MM-DD CHANGE:			

HydroOttawa
WWW.HYDROOTTAWA.COM

PREP: J. ELLIS
CHKD: S. McNALLY P.Eng.
APPD: C. MALONE P.Eng.
DATE: 2016-02-05
SCALE: N.T.S. @ ANSI B

TITLE
ENGINEERING SPECIFICATION
COM 120V/208Y OR 347V/600Y, 3PH, 4W, CUSTOMER OWNED OUTDOOR SWITCHGEAR WITH CHECK METER INSTALLATION
CONSTRUCTION DETAIL

NO: MCS0099 | 1 OF 1 | REV: 0