




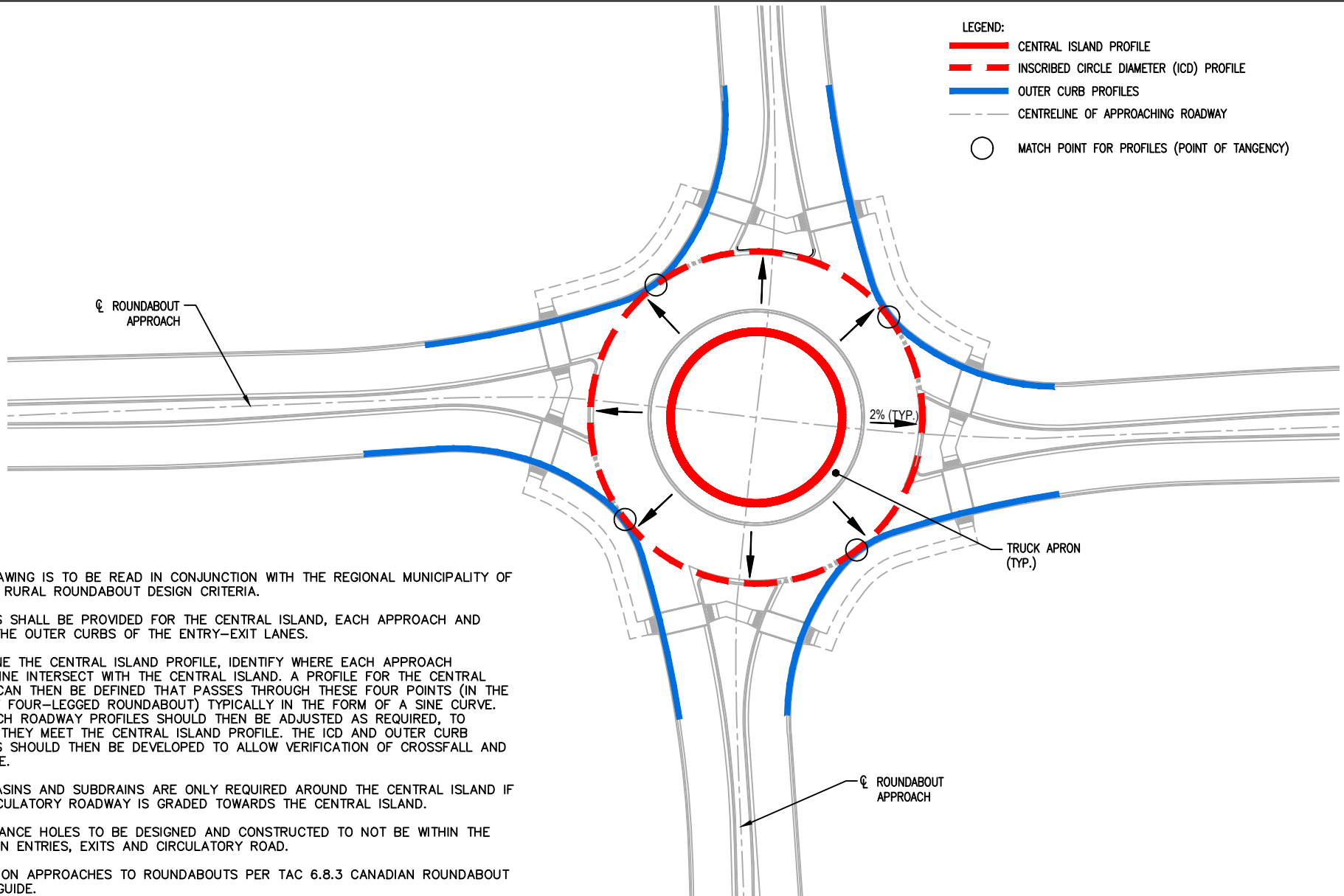


LEGEND:

-  CENTRAL ISLAND PROFILE
-  INSCRIBED CIRCLE DIAMETER (ICD) PROFILE
-  OUTER CURB PROFILES
-  CENTRELINE OF APPROACHING ROADWAY
-  MATCH POINT FOR PROFILES (POINT OF TANGENCY)



NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE REGIONAL MUNICIPALITY OF DURHAM RURAL ROUNDABOUT DESIGN CRITERIA.
2. PROFILES SHALL BE PROVIDED FOR THE CENTRAL ISLAND, EACH APPROACH AND ALONG THE OUTER CURBS OF THE ENTRY-EXIT LANES.
3. TO DEFINE THE CENTRAL ISLAND PROFILE, IDENTIFY WHERE EACH APPROACH CENTRELINE INTERSECT WITH THE CENTRAL ISLAND. A PROFILE FOR THE CENTRAL ISLAND CAN THEN BE DEFINED THAT PASSES THROUGH THESE FOUR POINTS (IN THE CASE OF FOUR-LEGGED ROUNDABOUT) TYPICALLY IN THE FORM OF A SINE CURVE. APPROACH ROADWAY PROFILES SHOULD THEN BE ADJUSTED AS REQUIRED, TO ENSURE THEY MEET THE CENTRAL ISLAND PROFILE. THE ICD AND OUTER CURB PROFILES SHOULD THEN BE DEVELOPED TO ALLOW VERIFICATION OF CROSSFALL AND DRAINAGE.
4. CATCHBASINS AND SUBDRAINS ARE ONLY REQUIRED AROUND THE CENTRAL ISLAND IF THE CIRCULATORY ROADWAY IS GRADED TOWARDS THE CENTRAL ISLAND.
6. MAINTENANCE HOLES TO BE DESIGNED AND CONSTRUCTED TO NOT BE WITHIN THE LANES ON ENTRIES, EXITS AND CIRCULATORY ROAD.
7. GRADES ON APPROACHES TO ROUNDABOUTS PER TAC 6.8.3 CANADIAN ROUNDABOUT DESIGN GUIDE.



SINGLE LANE ROUNDABOUT – GRADING

DWG. DATE:	2023 01
REVISION NO.:	.
REV. DATE:	.
SCALE:	N.T.S.

S-650.010