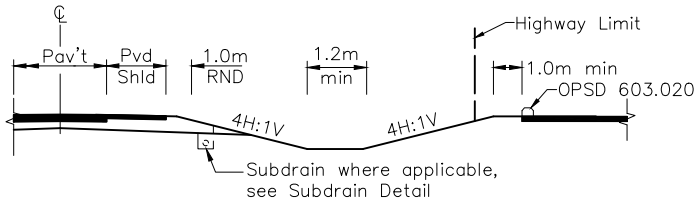
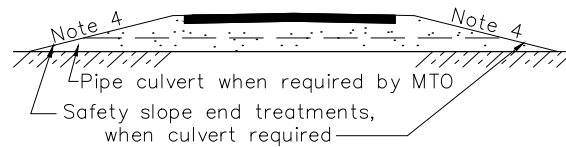


NOTES:

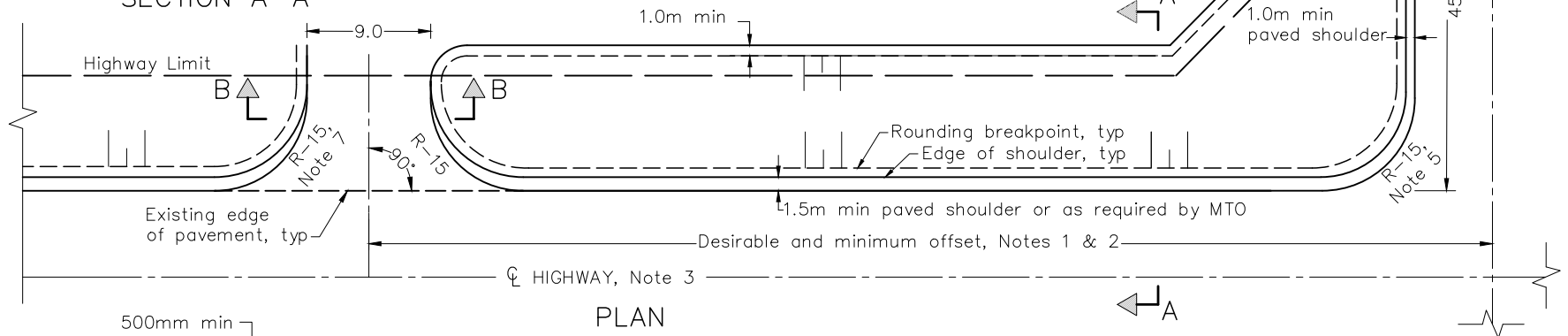
- 1 Desirable offset is 250m for highways with posted speed $\geq 70\text{km/h}$ and 185m for highways with posted speed $< 70\text{km/h}$.
 - 2 Minimum offset is 125m for highways with posted speed $\geq 70\text{km/h}$ and 80m for highways with posted speed $< 70\text{km/h}$.
 - 3 Raised median island in conjunction with signalized intersection may be required to prohibit left turns at entrance.
 - 4 Slope shall be 10H:1V without a culvert or 6H:1V with a culvert.
 - 5 Larger radius, including the use of an equivalent compound curve as described in the TAC-GDG, may be required by MTO. Smaller radius may be appropriate for highways with posted speed $< 70\text{km/h}$.
 - 6 R-10 is for entrances on intersecting roads with posted speed $< 70\text{km/h}$ and accommodates the TAC-GDG Heavy Single Unit (HSU) design vehicle. Radius should be increased to R-15 or larger for intersecting roads with posted speed $\geq 70\text{km/h}$.
 - 7 Shoulder width transitions from zero to existing over the length of the curve. Shoulder should be fully paved for 10m, then, if applicable, taper at a 5:1 rate.
- A All dimensions are in metres unless otherwise shown.
 B Minimum sight triangles as required by MTO.
 C Drainage works as required by MTO.



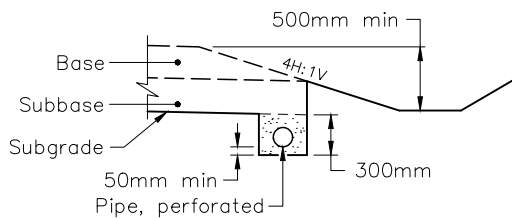
SECTION A-A



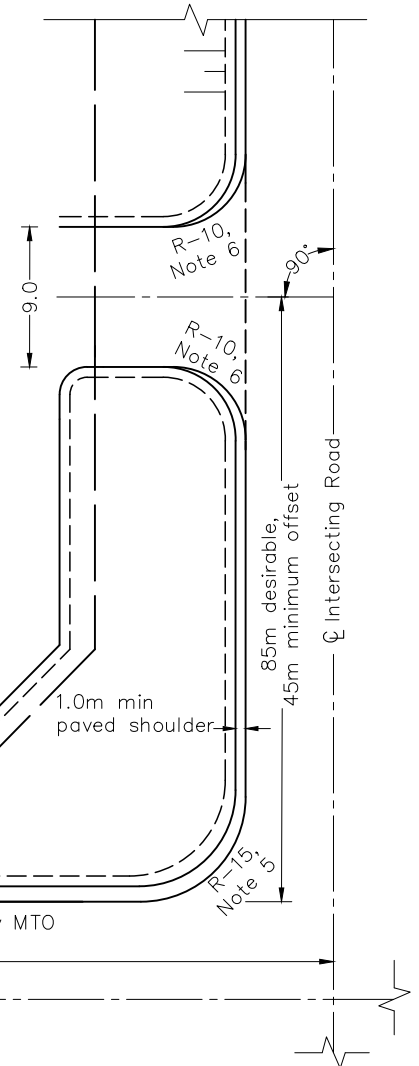
SECTION B-B



PLAN



SUBDRAIN DETAIL



MINISTRY OF TRANSPORTATION ONTARIO DRAWING

March 2019

Rev 1

COMMERCIAL ENTRANCE
 SERVICE STATION, 2 & 4 LANE HIGHWAY
 FAR SIDE LOCATION, OPEN DITCH

MTOD 305.040