Existing 'Unrestricted' speed limit to be reduced to 40mph on the approach to the junction due to 90mR curvature at the segregated left turn, as well as Departures from Standards relating to the off slip

Nosing to commence at the termination point of the bridge deck

Departure from Standard required

TD 22/06 para 2.46 specifies *'For all connector roads, a near straight at least equal in length to the nose length (40m) given in Table 4/4 column (4) for the appropriate Road Class must be provided downstream of the back of the diverge nose. This requirement will enable drivers to comprehend the layout ahead and adjust their speed accordingly'*

24.2

Existing culvert

Departure from Standard required

TD 9/93 Table 3 specifies *'Two Steps below Desirable Minimum Radius with Superelevation of 7% of 180mR'* based on the design speed of 70A (40mph) for a connector road.

Note: The existing segregated left turn also has a 90mR curve.

R90.0

Embankment approximatley 3m high

Entry onto northbound Ring Road to be reduced to one lane on the approach to the proposed stop line

Amendment to the roundabout gemotry to allow an easier transition to the stop line from A4 from Bristol

R95.0

Forward visibility signt line based on 120m DMSSD for a connector road with a design speed of 70A (40mph)

3.5

122.0

Minimum central reservation width of 3.0m

Departure from Standard required

TD 9/93 Table 3 specifies *'Two Steps below Desirable Minimum Radius with Superelevation of 7% of 180mR'* based on the design speed of 70A for a connector road.

Note: The existing segregated left turn also has a 95mR curve.

R90.0

Grass verge

52.0

40.0

3.6

75.0

101.0

Existing traffic signal controller, MEC & power cabinets plus CCTV pole

Minimum island width of 2.2m

Minimum central reservation width of 2.5m

Reduce central reservation to accommadate right turn lane

7.3

Existing 'Unrestricted' speed limit to be reduced to 40mph on the approach to the junction

Path (um)

Path (um)

DURLEY HILL

0 10 20 30 40 50 60 70 80 90 100

SCALE 1:1000 (A1)
SCALE 1:2000 (A3)

METRES

DRAFT

Printed: 29/08/2014 @ 16:30

Bath & North East Somerset Council

STEVE FROGGATT, BSc. (Hons) C.Eng MICE MIHT
DESIGN & PROJECTS MANAGER
PLANNING AND TRANSPORT DEVELOPMENT

PRODUCED BY

CH2M Hill
1 The Square Temple Quay Bristol BS1 6DG
tel +44 (0)117 910 2580 fax +44 (0)117 910 2581

www.CH2M.com

CH2MHILL

SCHEME TITLE

A4/A4174 HICKS GATE ROUNDABOUT IMPROVEMENT STUDY

DRAWING TITLE

DISPLACED RIGHT TURN WITH SEGREGATED LEFT TURN

REV.	DATE	REVISIONS	DRWN.	CHKD.	APROV.

DATE 28/08/2014	DRAWN BY ADS	APPROVED BY DL
SCALE 1:1000 @ A1	CHECKED –	
CLIENT REF.		
DRAWING No. 204269.CA.00.52.01		REV.