



Bonneagar Iompair Éireann
Transport Infrastructure Ireland

TII Publications



Standard Construction Details - Series 400

April 2017

Standard Construction Details (SCDs) – Series 400

TII Publications contains Standard Construction Details (SCDs) for use on National Road schemes in Ireland. This composite document brings together all the Series 400 SCDs from TII Publications current at the date of this document's publication, into a single location for convenience.

Every effort has been made to keep this composite document updated and available from the TII Publications website (<http://www.tiipublications.ie/>). Please note that the SCD drawings available from the TII Publications website (individually linked below) are the controlled versions for all SCDs.

The SCDs contained in this document are as follows:

Series 400 Safety Barriers and Pedestrian Guardrails

CC-SCD-00401	Safety Fences - Pedestrian Guardrail
CC-SCD-00405	Safety Barriers - In Situ Concrete Safety Barrier Bifurcation at Structural Support That is Designed for Vehicular Impact Loading
CC-SCD-00406	Safety Barriers - Not Used
CC-SCD-00407	Safety Barriers - Central Reserve Detail of Type 1 Dual Carriageway / Standard Motorway with In Situ Concrete Barrier
CC-SCD-00408	Safety Barriers - Central Reserve Detail of Type 2/3 Dual Carriageway with Lane Segregation Barrier

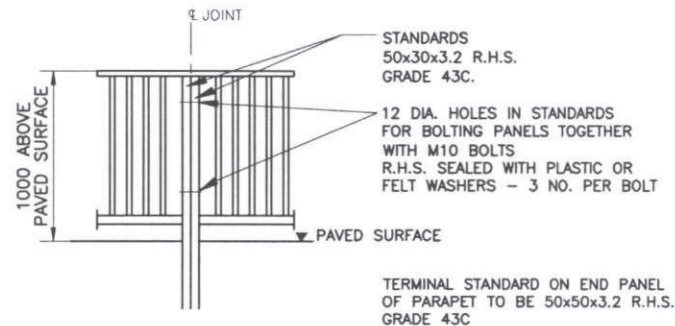
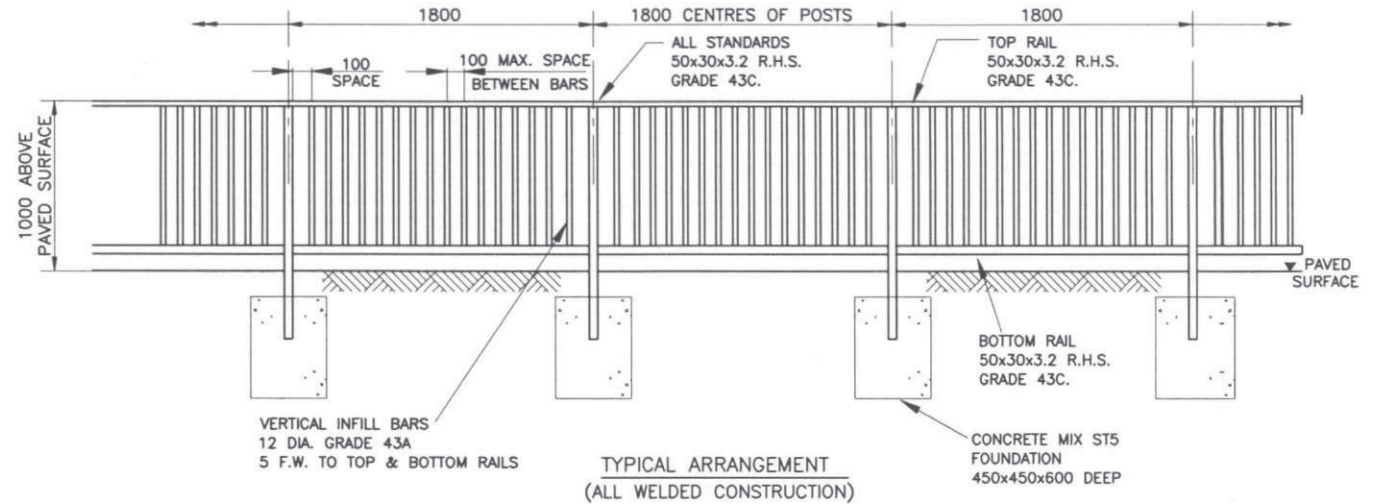
TOP RAIL
50x30x3.2 R.H.S.
GRADE 43C.

STANDARDS
50x30x3.2 R.H.S.
GRADE 43C.
OR
(2-50x30x3.2 R.H.S.
GRADE 43C)

VERTICAL INFILL BARS
12 DIA. GRADE 43A

BOTTOM RAIL
50x30x3.2 R.H.S.
GRADE 43C.

TYPICAL SECTION THROUGH GUARDRAIL



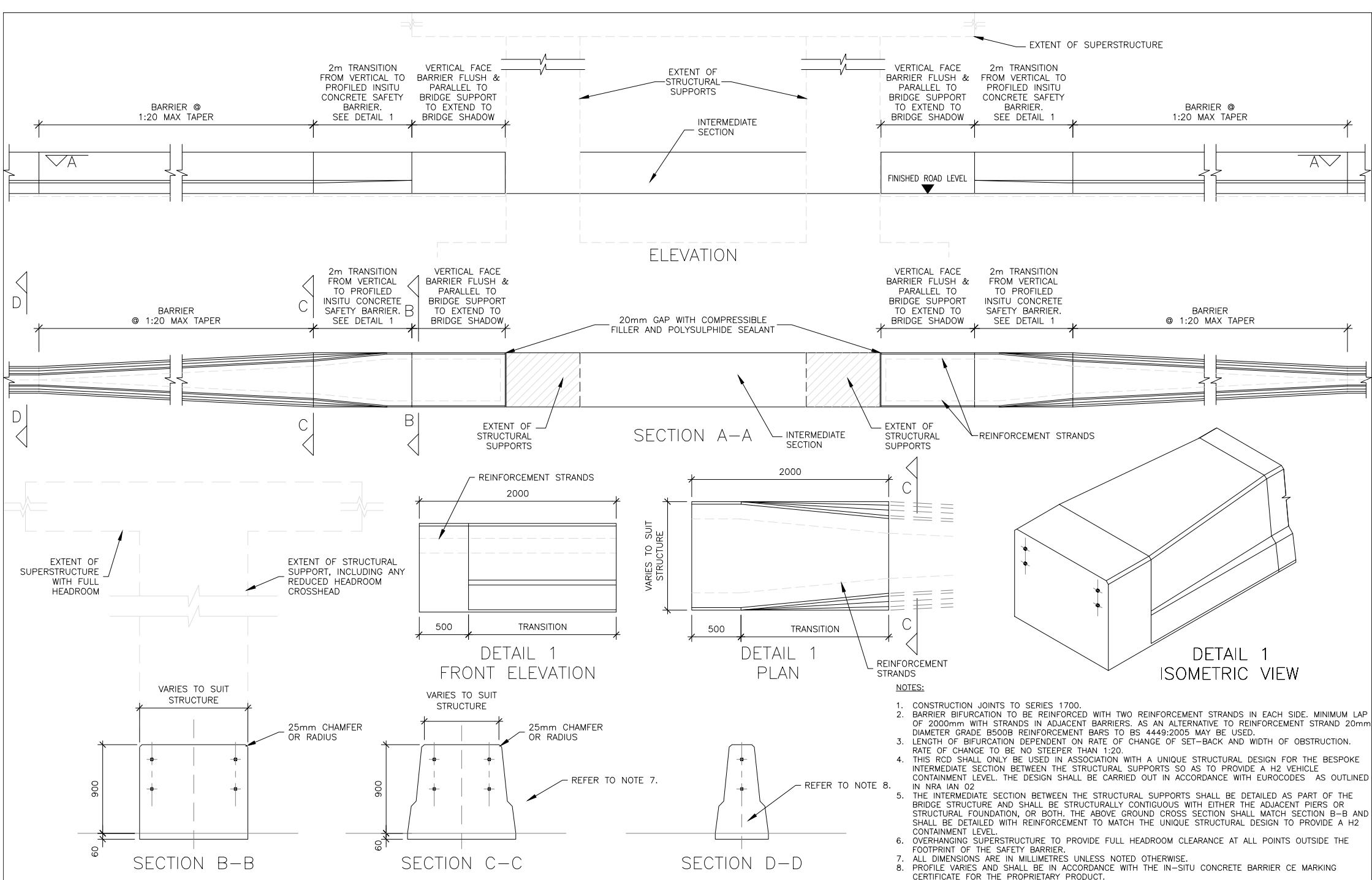
ALTERNATIVE POST DETAIL

NOTE:- FOR EASE OF SITE FIXING
BOLTED UP PANELS CAN BE ADOPTED
- AS SHOWN ABOVE

NOTES

1. GUARDRAILS TO CONFORM TO BS 3049.
2. ALL MATERIAL TO BE IN ACCORDANCE WITH BS 4300. GRADE OF MATERIAL AS NOTED.
3. HOLLOW SECTIONS TO BE IN ACCORDANCE WITH BS 4848 PART 2.
4. WELDING TO BE IN ACCORDANCE WITH BS 5135.

TII PUBLICATION NUMBER: CC-SCD-00401



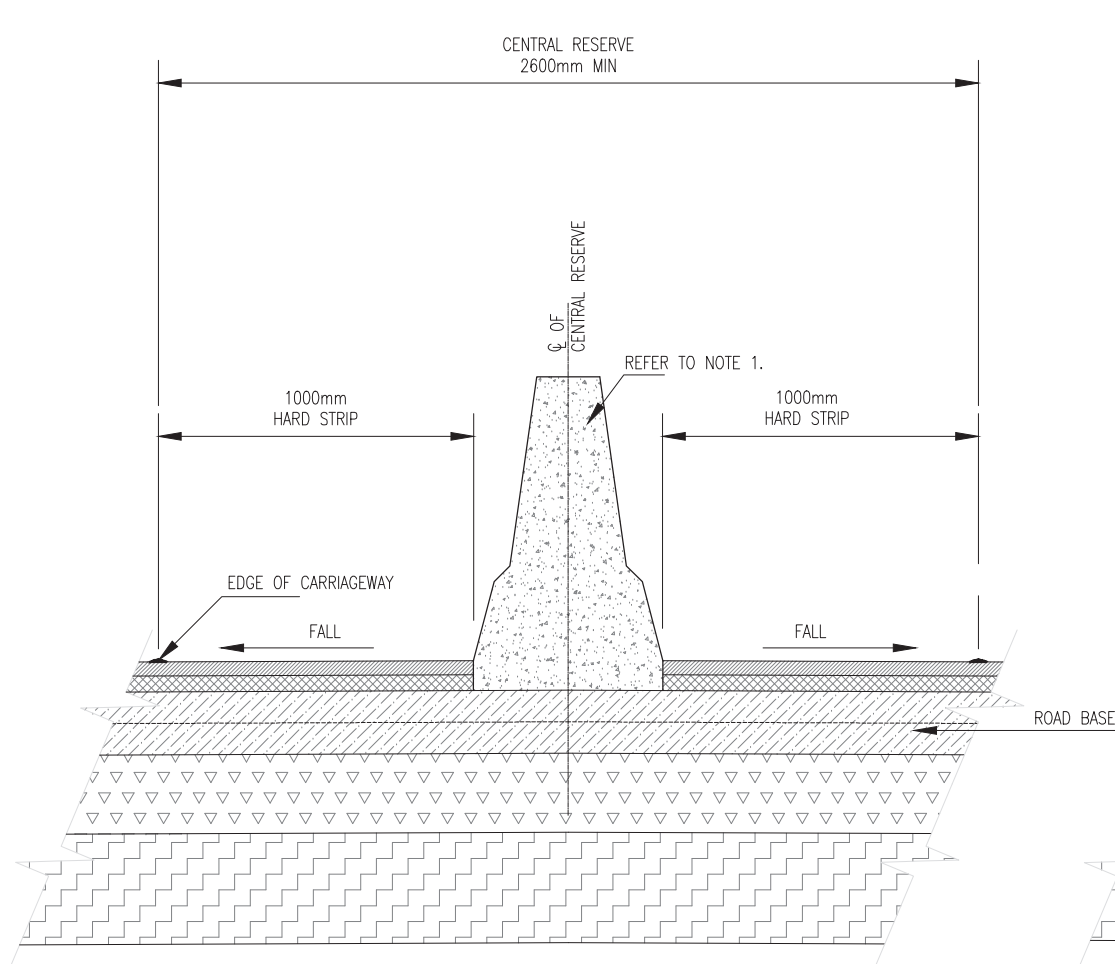
NOT USED

TII PUBLICATION NUMBER: CC-SCD-00406

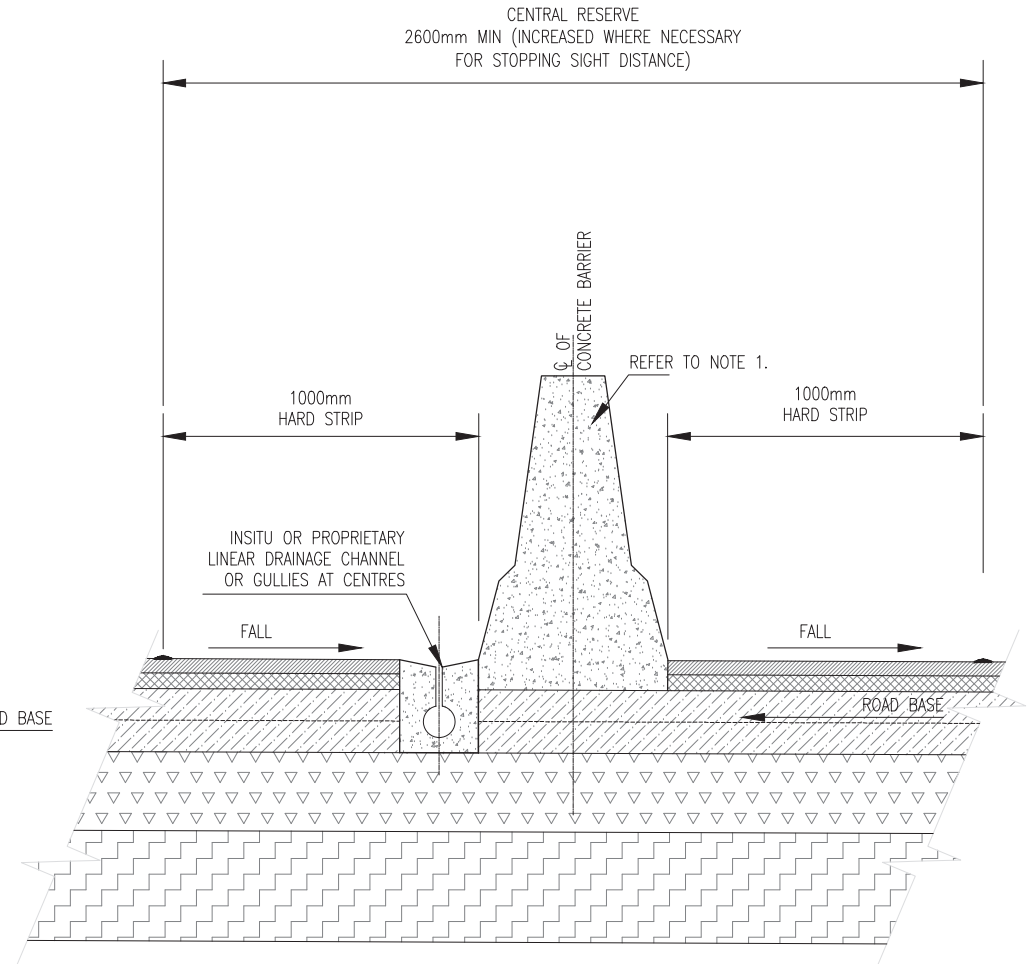
 NATIONAL ROADS AUTHORITY	ROAD CONSTRUCTION DETAILS	SAFETY BARRIERS			NOT USED	Drawing No.
			P2	01/09		RCD/ 400/6
			P1	06/01		
			Issue	Date		

NOTES:

1. PROFILE VARIES AND SHALL BE IN ACCORDANCE WITH THE IN-SITU CONCRETE BARRIER CE MARKING CERTIFICATE FOR THE PROPRIETARY PRODUCT.
2. REFER TO 500 SERIES DRAWINGS FOR DRAINAGE DETAILS.

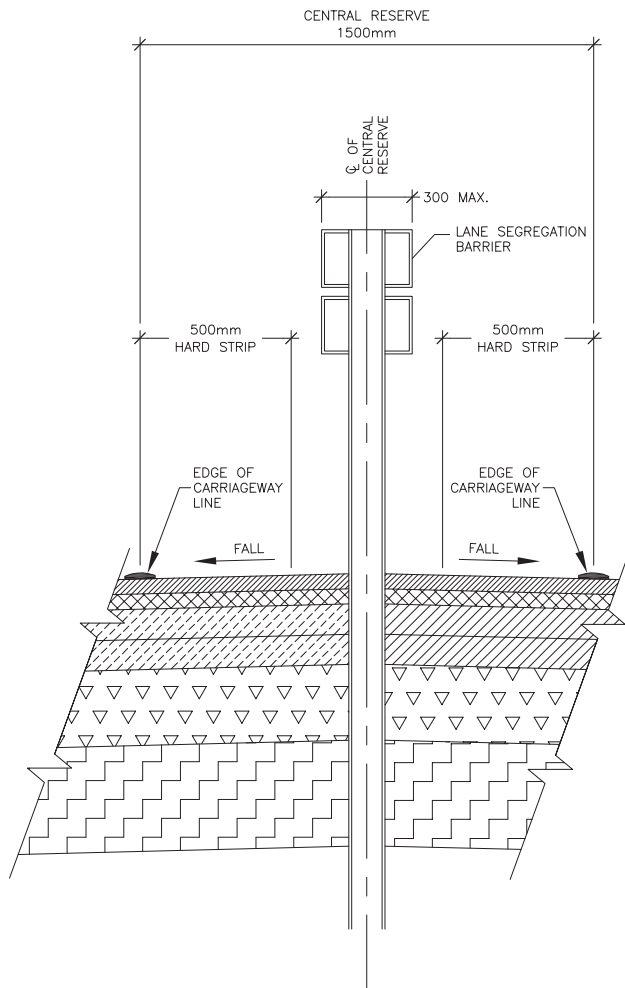


DETAIL WITH NORMAL CROSSFALL

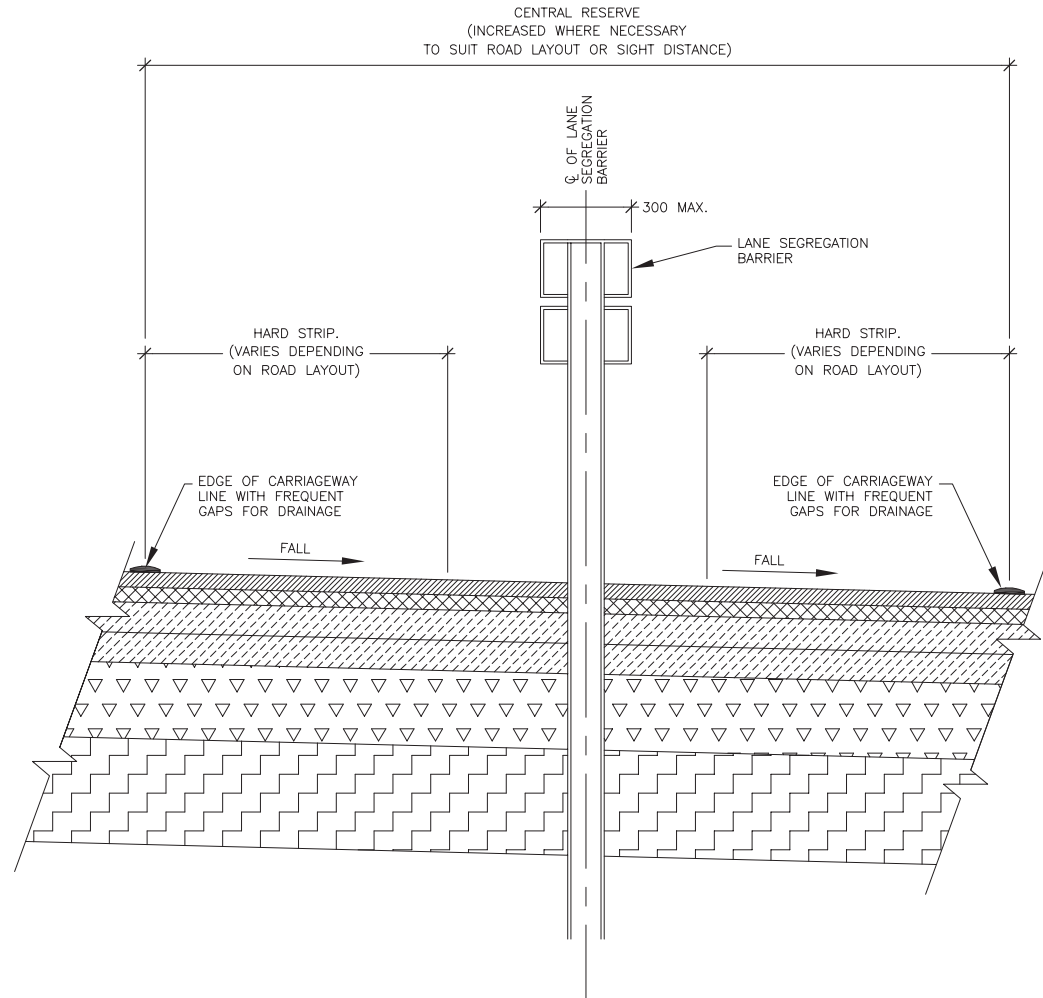


DETAIL WHERE CARRIAGEWAY IS SUPERELEVATED

NOT TO SCALE



TYPICAL DETAIL
(MINIMUM CENTRAL RESERVE &
NORMAL CROSSFALL)



ALTERNATIVE DETAILS
(WIDENED CENTRAL RESERVE/
SUPERELEVATED CARRIAGEWAY)

TII PUBLICATION NUMBER: CC-SCD-00408



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