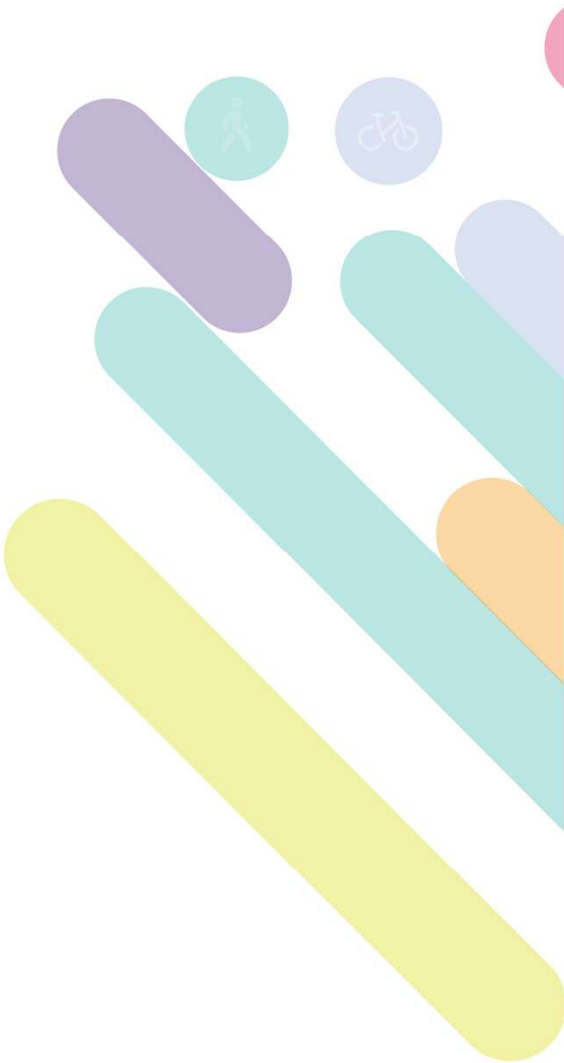
Údarás Náisiúnta Iompair
National Transport Authority

NTA Technical Standards Update

TII Standards Roadshow
March 2026

Contents:

1. Traffic Signs Manual updates
2. NTA Typical Construction Details
3. Cycle Design Manual Update



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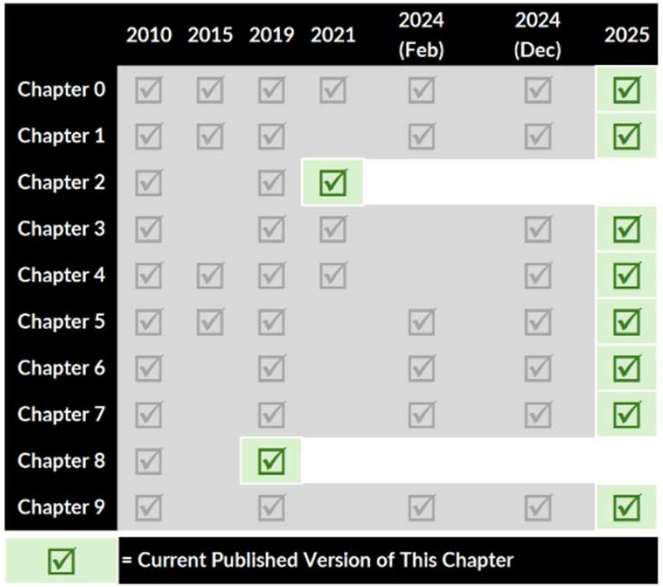
1. Traffic Signs Manual Updates

- Current Traffic Signs Manual



	2010	2015	2019	2021	2024 (Feb)	2024 (Dec)	2025
Chapter 0	☑	☑	☑	☑	☑	☑	☑
Chapter 1	☑	☑	☑		☑	☑	☑
Chapter 2	☑		☑	☑			
Chapter 3	☑		☑	☑		☑	☑
Chapter 4	☑	☑	☑	☑		☑	☑
Chapter 5	☑	☑	☑		☑	☑	☑
Chapter 6	☑		☑		☑	☑	☑
Chapter 7	☑		☑		☑	☑	☑
Chapter 8	☑		☑				
Chapter 9	☑		☑		☑	☑	☑
☑	= Current Published Version of This Chapter						

https://www.roadguidelines.ie/traffic-signs/tsm/

- Most TSM chapters updated in October 2025
- Associated updates to Road Traffic Regulations
  - Road Traffic (Traffic Signs) Regulations 2025
  - Road Traffic (Traffic And Parking) (Amendment) Regulations 2025
- Majority of updates required to support the implementation of Active Travel and Bus Priority Schemes

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1. Traffic Signs Manual Updates

Chapter 5 updates include new Regulatory Signs including:

RUS 032A School Street

RUS 059A Contra-Flow Cycling on One-Way Street

RUS 067 Parallel/Combined Zebra Crossing

RUS 070 Shared Zone

Replaces F404

Sign F 404:
Shared Space Sign

RUS 068 Cycle Street
(NB: Legal prohibition on overtaking)

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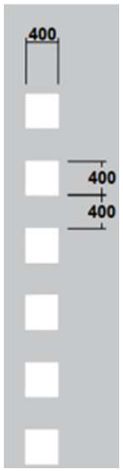
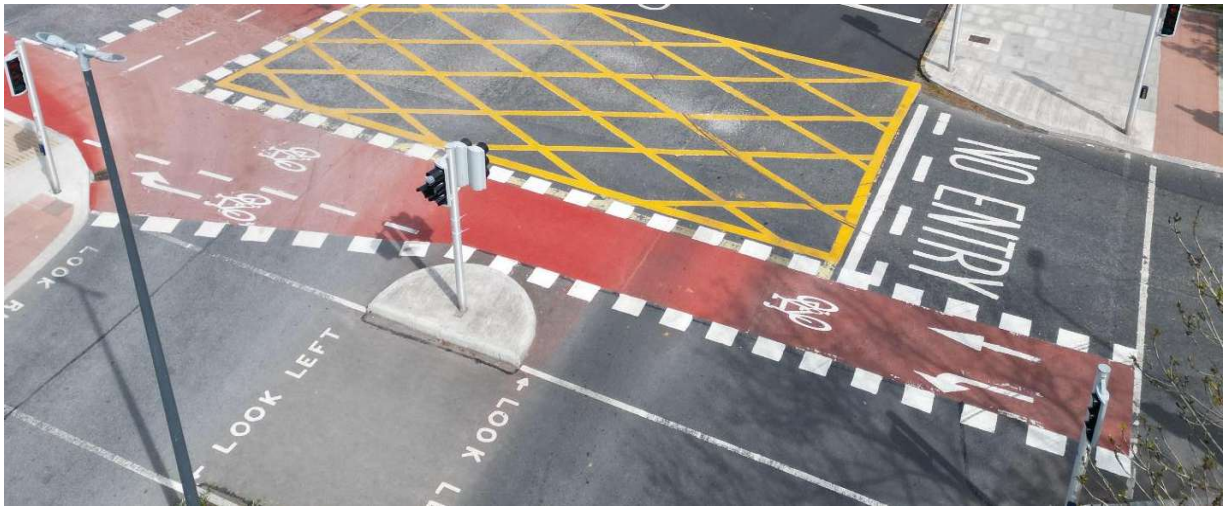
1. Traffic Signs Manual Updates

Chapter 7 updates include new Regulatory Road Markings including:



RRM 038
Elephant's Footprint Marking

(To delineate cycle tracks through junctions and crossings)



Example from UCD Flyover

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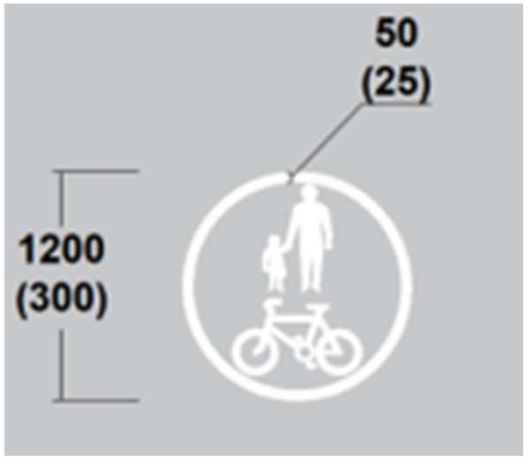
1. Traffic Signs Manual Updates

Chapter 7 updates include new Regulatory Road Markings including:



RRM 037
Non-Segregated Shared Track Symbol
(For use on shared paths)

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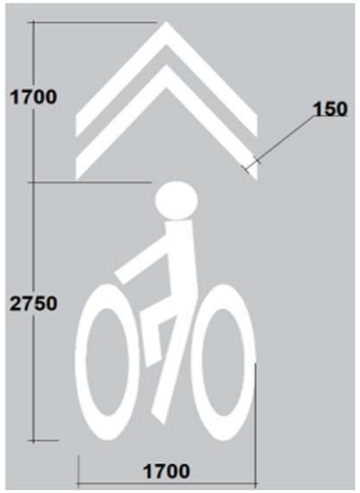
1. Traffic Signs Manual Updates

Chapter 7 updates include new Regulatory Road Markings including:



M 133 Shared Street Symbol

For use on Shared Streets & Cycle Streets
(NB: Low traffic speeds and volumes only.
See Cycle Design Manual Section 2.5)

Source: https://cyclingchristchurch.co.nz/2014/06/13/adelaide-sharrows/

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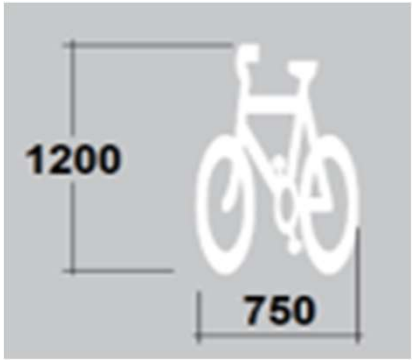
1. Traffic Signs Manual Updates

Chapter 7 updates include new Regulatory Road Markings including:



RRM 036
Regulatory Cycle Track Symbol
(NB: Now a regulatory marking)

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1. Traffic Signs Manual Updates

Chapter 7 updates include new Regulatory Road Markings including:

A cycle track can now be indicated by:

RUS 009 Upright sign

+

Plus a regulatory road marking

This update means that an edge line is not always necessary on a cycle track and may be omitted if not required/desired e.g. may not be needed on some segregated cycle tracks

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1. Traffic Signs Manual Updates

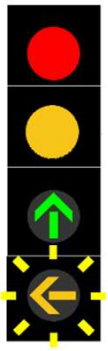
Chapter 9 updates to Traffic Signals including:

Flashing Amber Signal

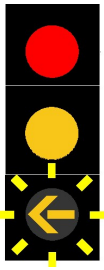
Flashing amber signal is permitted for use in both RTS 003 (4-head) and RTS 004 (3-head) configurations. Previously flashing amber was solely for use in slip lanes via RTS 004.

May be used at junctions with cycle tracks and imposes a requirement for traffic to yield the right of way to cyclist's proceeding straight ahead.

Important to consider the volume of left-turning vehicles also (Refer to CDM Section 4.4.5)



Flashing Amber RTS 003



Flashing Amber RTS 004

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1. Traffic Signs Manual Updates

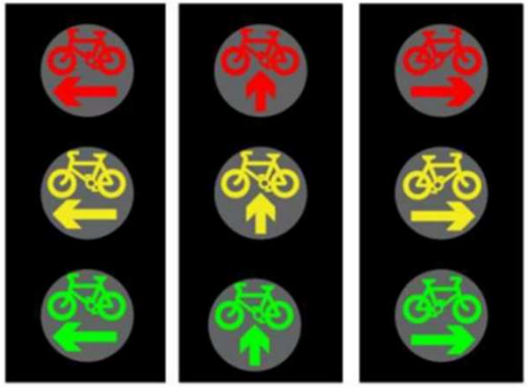
Chapter 9 updates to Traffic Signals including:

Low Level Directional Cycle Signals (Variants of RTS 007)

To control separate directional streams of cyclists

May be used for the following scenarios within a cycle track:

- At mid-block crossings for right turn movements
- At signalised junctions to optimise journey times for straight and left turning cycle movements
- At signalised junctions with two-stage right turn movements.



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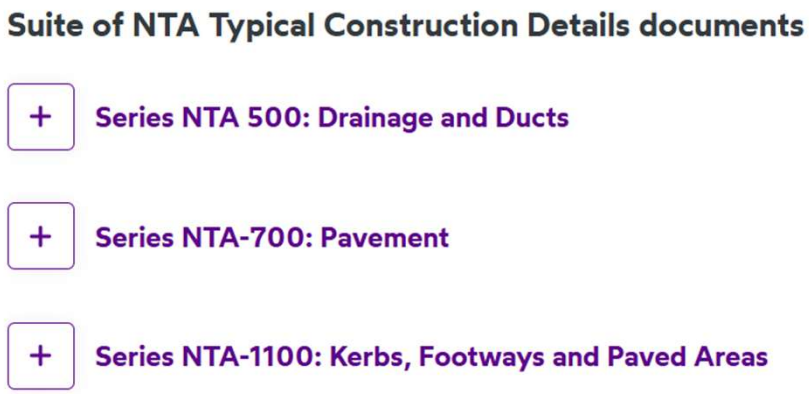
2. NTA Typical Construction Details

- Typical Construction Details (TCDs) with a focus on urban infrastructure.
- First Batch published January 2026. Second batch due to be published in Q2 2026
- Duplication avoided with TII Standard Construction Details where possible.
- It remains the responsibility of designers, contractors and road authorities to choose appropriate construction details (including TII standard construction details or bespoke details as appropriate) for any given project…



https://www.nationaltransport.ie/publications/nta-typical-construction-details/

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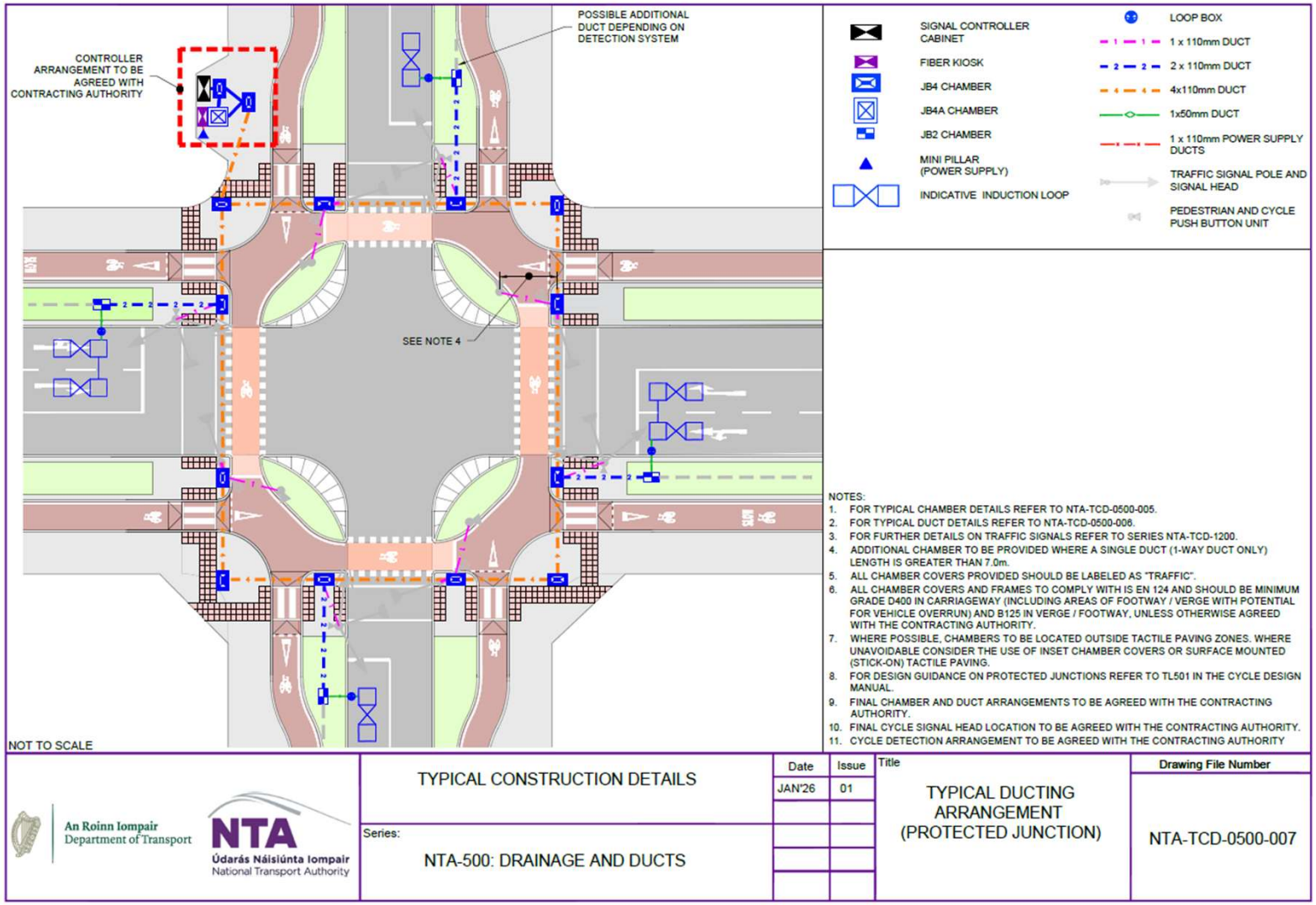
2. NTA Typical Construction Details

Drawing Number	Drawing Title
Series 500: Drainage and Ducts	
NTA-TCD-500-001	Active Travel Gully Gratings
NTA-TCD-500-002	Linear Drainage Systems
NTA-TCD-500-003	Combined Kerb and Drainage System
NTA-TCD-500-004	Gully relocation (Rapid Build Cycle Track)
NTA-TCD-500-005	Typical details for traffic signal Chambers
NTA-TCD-500-006	Typical details for traffic signal ducting
NTA-TCD-500-007	Ducting Arrangement (Protected Junction)
NTA-TCD-500-008	Ducting Arrangement (Protected Junction - CYCLOPS Layout)
NTA-TCD-500-009	Ducting Arrangement (Protected Junction - Full Signal Control)
NTA-TCD-500-010	Ducting Arrangement (Signalised Pedestrian Crossing - Mid-block)
NTA-TCD-500-011	Ducting Arrangement (Parallel Zebra Crossing)
NTA-TCD-500-012	Ducting Arrangement (Combined Zebra Crossing)
NTA-TCD-500-013	Ducting Arrangement (Signalised Parallel Crossing)
NTA-TCD-500-014	Ducting Arrangement (Toucan Crossing)
NTA-TCD-500-015	Ducting arrangement (Signalised cycle crossing)

Some examples:
Series 500
Drainage & Ducts



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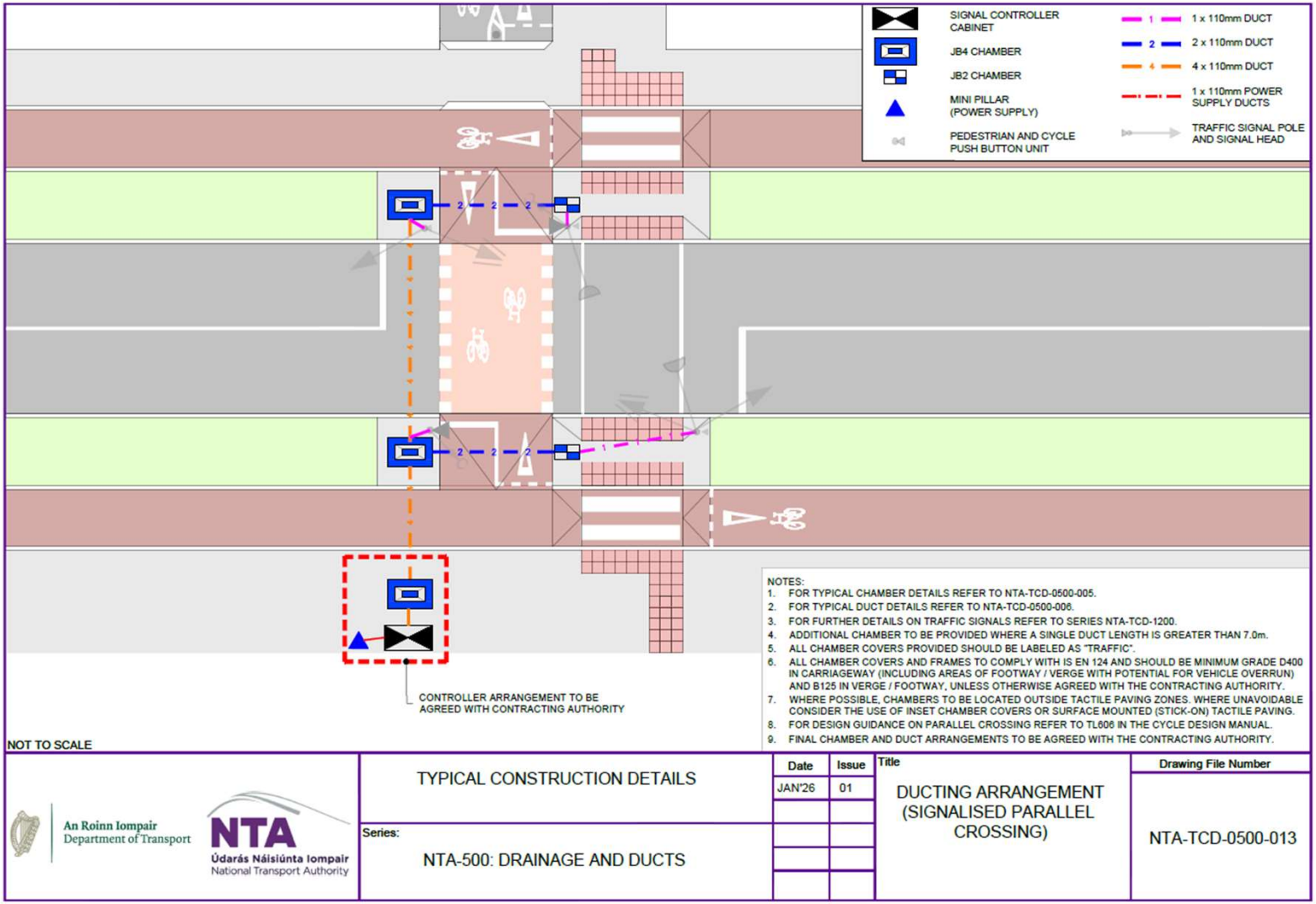
Some examples:
Series 500
Drainage & Ducts



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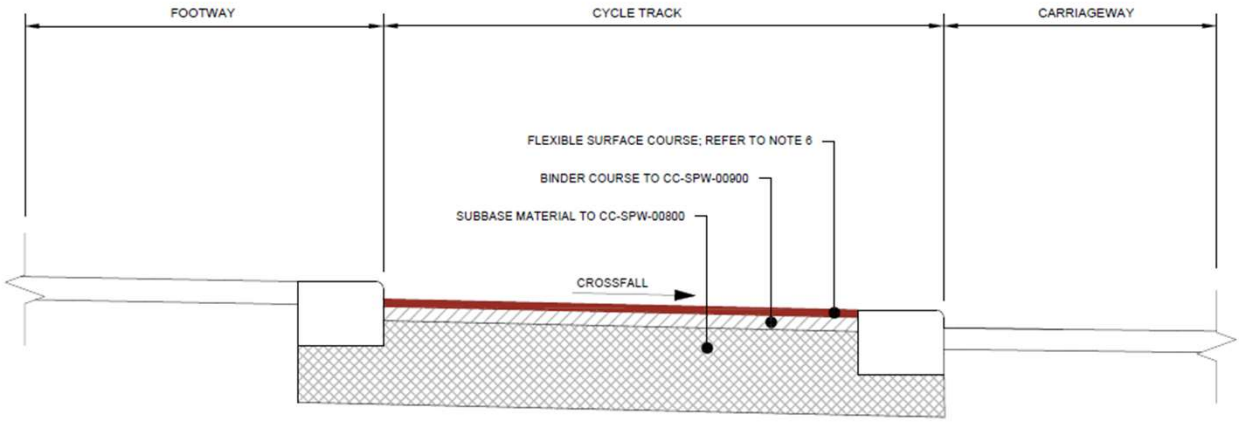
2. NTA Typical Construction Details

Series NTA-700: Pavement	
NTA-TCD-700-001	Standard Cycle Track Pavement
NTA-TCD-700-002	Stepped Cycle Track Pavement
NTA-TCD-700-003	Protected Cycle Lane Pavement
NTA-TCD-700-004	Pavements for Shared Greenways and Active Travel Facilities
NTA-TCD-700-005	Raised Pedestrian Crossing (Flexible Pavement)
NTA-TCD-700-006	Raised Pedestrian Crossing - Sinusoidal (Flexible Pavement)
NTA-TCD-700-007	Side Road Entry Ramp (Flexible Pavement)
NTA-TCD-700-008	Speed Cushion (Flexible Pavement)
NTA-TCD-700-009	Speed Ramp - Flat Top (Flexible Pavement)
NTA-TCD-700-010	Speed Ramp - Round Top (Flexible Pavement)
NTA-TCD-700-011	Central raised strip on Mixed Traffic Routes (imprinted Asphalt)
NTA-TCD-700-012	Central raised strip on Mixed Traffic Routes (Block Paving / Stone Sets)
NTA-TCD-700-013	Corner Overrun Area
NTA-TCD-700-014	Carriageway Widening & Narrowing Detail
NTA-TCD-700-015	Ironwork Mastic Surround

Some examples:
Series 700
Pavements



NOTES:
1. FOR APPROVED KERB PROFILES REFER TO NTA-TCD-1100-001 TO 005.
2. FOR KERB CONSTRUCTION REFER TO NTA-TCD-1100-011.
3. FOR FOOTWAY TYPES REFER TO NTA-TCD-1100-015 TO 018.
4. MACHINE LAID SUBBASE IS RECOMMENDED TO IMPROVE FINAL RIDE QUALITY OF CYCLE TRACK.
5. CONSIDERATION TO BE GIVEN TO KERB HAUNCH WHERE VEHICLES MAY BE PRONE TO MOUNT KERB ONTO CYCLE TRACK.
6. FOR FURTHER DETAIL ON CYCLE TRACK PAVEMENT SPECIFICATION REFER TO THE LATEST VERSION OF NTA "SPECIFICATION OF RED SURFACE COURSE FOR USE ON OFF-ROAD URBAN CYCLEWAYS" AND SECTION 5.2 OF THE CDM.

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TYPICAL CONSTRUCTION DETAILS	Date	Issue	Title	Drawing File Number
	JAN'26	01	STEPPED CYCLE TRACK PAVEMENT	NTA-TCD-0700-002
Series: NTA-700: PAVEMENT				

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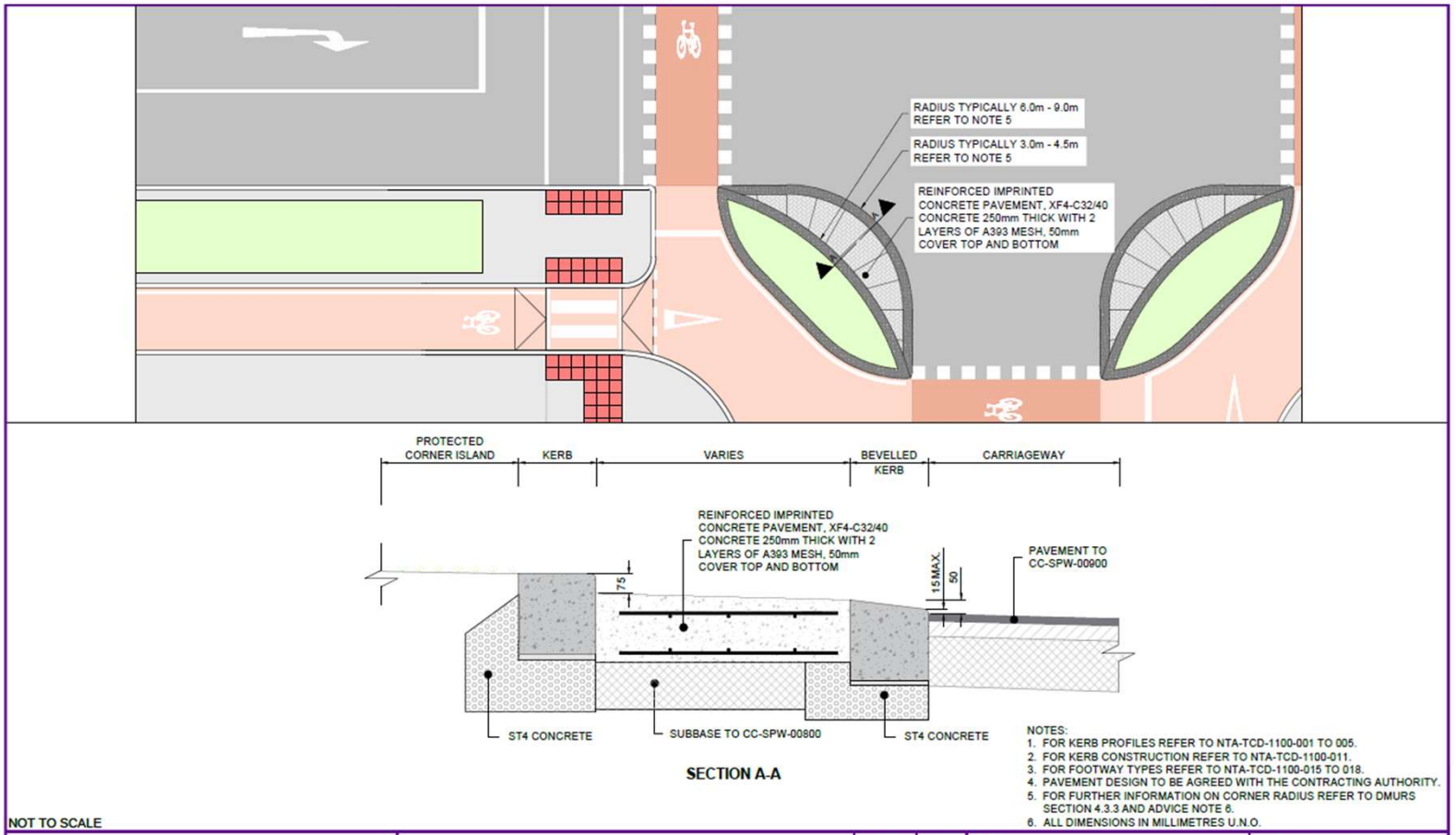
Some examples:
Series 700
Pavements



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Some examples:
Series 700
Pavements

Example of a Corner Overrun Area, Utrecht, NL

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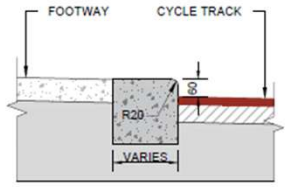
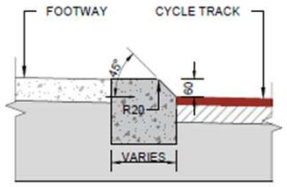
2. NTA Typical Construction Details

Series NTA-1100: Kerbs, Footways and Paved Areas	
NTA-TCD-1100-001	Cycle Track Kerb Profiles (Footway Interface)
NTA-TCD-1100-002	Cycle Track Kerb Profiles (Carriageway Interface)
NTA-TCD-1100-003	Standard Cycle Track Kerb Profiles
NTA-TCD-1100-004	Stepped Cycle Track Kerb Profiles
NTA-TCD-1100-005	Protected Cycle Lane Kerb Profiles (Permanent)
NTA-TCD-1100-006	Continuous Footway Crossing (Partial Setback - With Verge)
NTA-TCD-1100-007	Continuous Footway Crossing (Partial Setback - No Verge)
NTA-TCD-1100-008	Continuous Footway Crossing (No Setback)
NTA-TCD-1100-009	Driveway entry detail (Cycle track)
NTA-TCD-1100-010	Driveway entry detail (Cycle Lane)
NTA-TCD-1100-011	Kerb Construction
NTA-TCD-1100-012	Bus Stop Kerb
NTA-TCD-1100-013	Edge Kerb Construction
NTA-TCD-1100-014	Delineator Strip Construction
NTA-TCD-1100-015	In-situ concrete Footway Construction
NTA-TCD-1100-016	Flexible Footway construction
NTA-TCD-1100-017	Paved Footway construction (Slabs / Flags)
NTA-TCD-1100-018	Tree Root Protection (Shallow Footway Construction)
NTA-TCD-1100-019	In-situ Concrete Segregation Island
NTA-TCD-1100-020	Precast kerb and Paved infill Segregation Island
NTA-TCD-1100-021	Precast Segregation Island
NTA-TCD-1100-022	Standard Cycle Track Kerb Profile G Drainage Gap

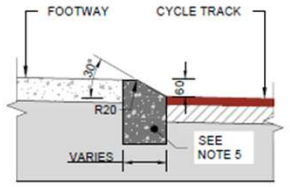
Some examples: Series 1100 Kerbs, Footways & Paved Areas



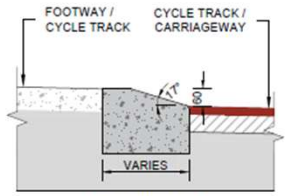
KERB PROFILE A



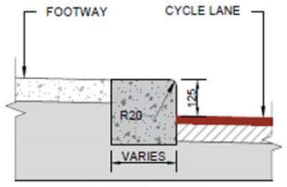
KERB PROFILE B
KERB FACE SLOPE: 45 DEGREES



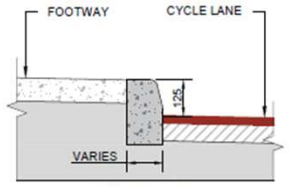
KERB PROFILE C
KERB FACE SLOPE: 30 DEGREES



KERB PROFILE D



KERB PROFILE E



KERB PROFILE F

NOTES:
1. FOR FURTHER DETAILS ON CYCLE LINKS REFER TO SECTION 2.4 AND 4.2 OF THE CDM.
2. FOR CYCLE TRACK PAVEMENT DETAILS REFER TO NTA-TCD-0700-001 TO 004.
3. FOR FOOTWAY DETAILS REFER TO NTA-TCD-1100-015 TO 018.
4. FOR KERB CONSTRUCTION REFER TO NTA-TCD-1100-011.
5. FOR KERB PROFILE C, ENSURE SUFFICIENT VISUAL CONTRAST BETWEEN FOOTWAY SURFACE AND KERB. THE FOOTWAY AND KERB FINISH SHOULD NOT BE FROM THE SAME COLOUR PALETTE.
6. KERB PROFILE D CAN BE UTILISED AS AN ACCESS KERB. FOR ACCESS KERB DETAILS REFER TO NTA-TCD-1100-006 TO 010.
7. KERBS CAN BE CONSTRUCTED IN PRECAST CONCRETE, EXTRUDED CONCRETE, NATURAL STONE OR CAST IN-SITU CONCRETE AND KERB WIDTHS WILL VARY DEPENDING ON CONSTRUCTION METHODOLOGY.
8. ALL DIMENSIONS IN MILLIMETRES U.N.O.

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TYPICAL CONSTRUCTION DETAILS

Date	Issue
JAN'26	01

Series:
NTA-1100: KERBS, FOOTWAYS AND PAVED AREAS

Title
CYCLE TRACK
KERB PROFILES
(FOOTWAY INTERFACE)

Drawing File Number
NTA-TCD-1100-001

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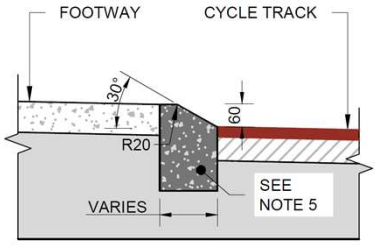
Kerb Profile C (30 degree “forgiving kerb”)

Some examples: Series 1100 Kerbs, Footways & Paved Areas



KERB PROFILE C

KERB FACE SLOPE: 30 DEGREES

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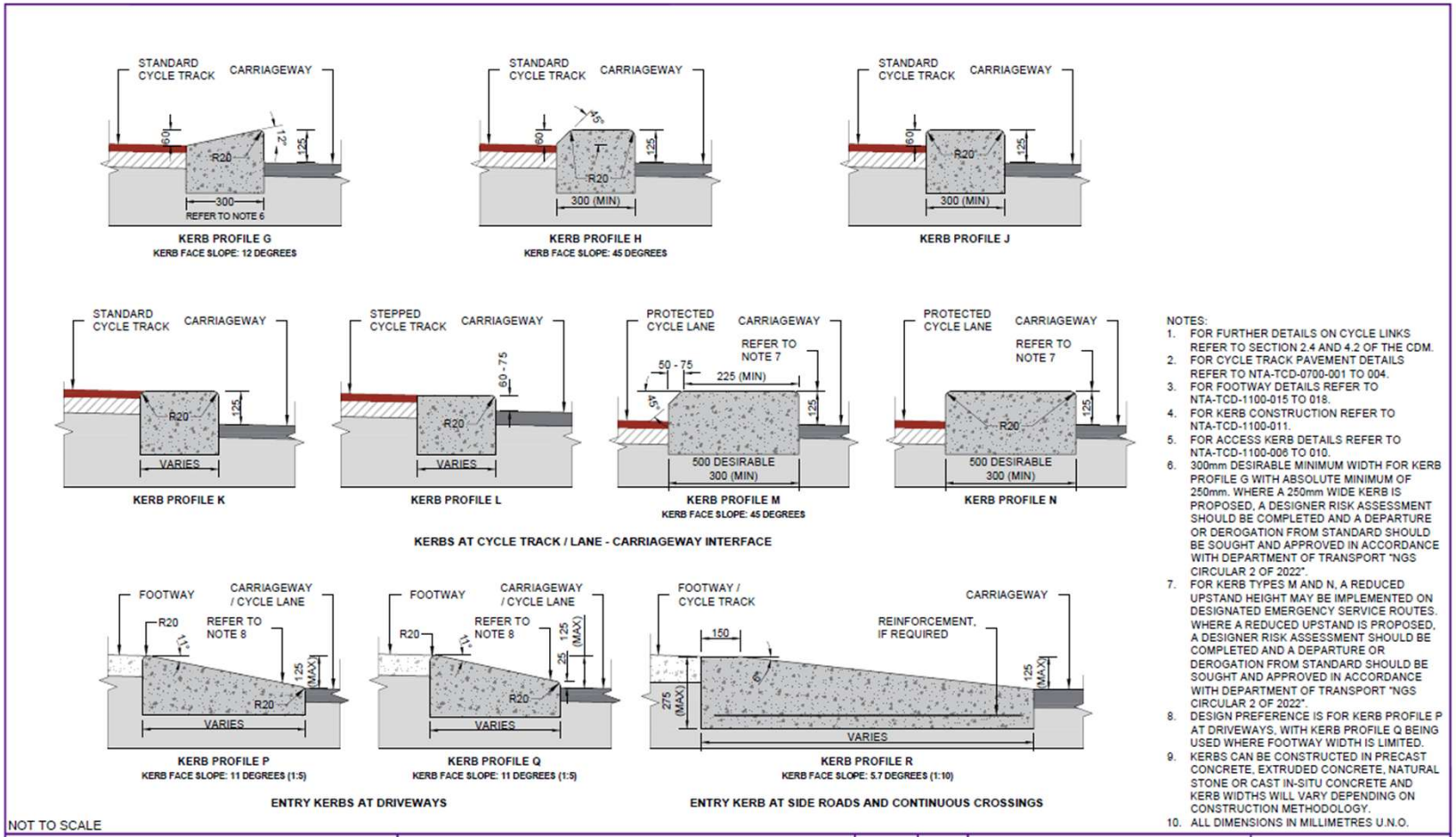
Some examples: Series 1100 Kerbs, Footways & Paved Areas



NOTES:
1. FOR FURTHER DETAILS ON CYCLE LINKS REFER TO SECTION 2.4 AND 4.2 OF THE CDM.
2. FOR CYCLE TRACK PAVEMENT DETAILS REFER TO NTA-TCD-0700-001 TO 004.
3. FOR FOOTWAY DETAILS REFER TO NTA-TCD-1100-015 TO 018.
4. FOR KERB CONSTRUCTION REFER TO NTA-TCD-1100-011.
5. FOR ACCESS KERB DETAILS REFER TO NTA-TCD-1100-006 TO 010.
6. 300mm DESIRABLE MINIMUM WIDTH FOR KERB PROFILE G WITH ABSOLUTE MINIMUM OF 250mm. WHERE A 250mm WIDE KERB IS PROPOSED, A DESIGNER RISK ASSESSMENT SHOULD BE COMPLETED AND A DEPARTURE OR DEROGATION FROM STANDARD SHOULD BE SOUGHT AND APPROVED IN ACCORDANCE WITH DEPARTMENT OF TRANSPORT "NGS CIRCULAR 2 OF 2022".
7. FOR KERB TYPES M AND N, A REDUCED UPSTAND HEIGHT MAY BE IMPLEMENTED ON DESIGNATED EMERGENCY SERVICE ROUTES. WHERE A REDUCED UPSTAND IS PROPOSED, A DESIGNER RISK ASSESSMENT SHOULD BE COMPLETED AND A DEPARTURE OR DEROGATION FROM STANDARD SHOULD BE SOUGHT AND APPROVED IN ACCORDANCE WITH DEPARTMENT OF TRANSPORT "NGS CIRCULAR 2 OF 2022".
8. DESIGN PREFERENCE IS FOR KERB PROFILE P AT DRIVEWAYS, WITH KERB PROFILE Q BEING USED WHERE FOOTWAY WIDTH IS LIMITED.
9. KERBS CAN BE CONSTRUCTED IN PRECAST CONCRETE, EXTRUDED CONCRETE, NATURAL STONE OR CAST IN-SITU CONCRETE AND KERB WIDTHS WILL VARY DEPENDING ON CONSTRUCTION METHODOLOGY.
10. ALL DIMENSIONS IN MILLIMETRES U.N.O.

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TYPICAL CONSTRUCTION DETAILS

Series:
NTA-1100: KERBS, FOOTWAYS AND PAVED AREAS

Date	Issue
JAN'26	01

Title
CYCLE TRACK KERB PROFILES (CARRIAGEWAY INTERFACE)

Drawing File Number
NTA-TCD-1100-002

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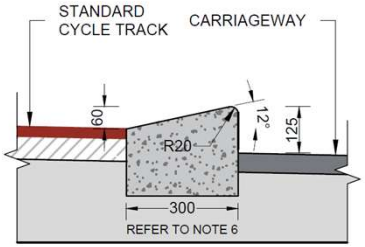
Kerb Profile G (“Castletymon kerb”)

Some examples: Series 1100 Kerbs, Footways & Paved Areas



KERB PROFILE G
KERB FACE SLOPE: 12 DEGREES

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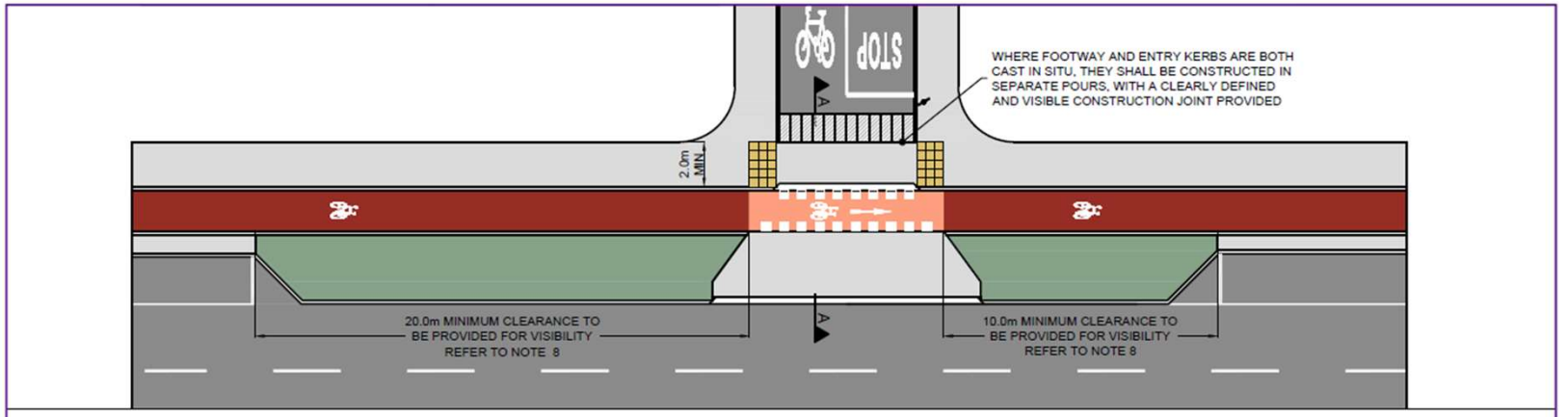
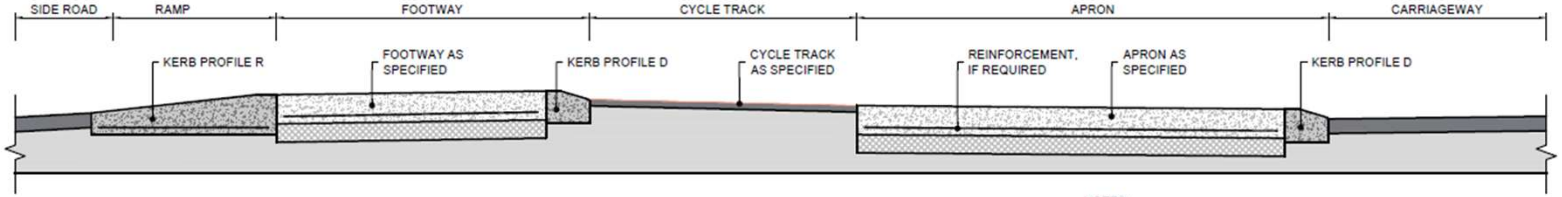
Some examples: Series 1100 Kerbs, Footways & Paved Areas





SECTION A-A

NOTES:
1. FOR CYCLE TRACK PAVEMENT DETAILS REFER TO NTA-TCD-700-001 TO 004.
2. FOR KERB PROFILE DETAILS REFER TO NTA-TCD-1100-001 TO 002.
3. FOR KERB CONSTRUCTION DETAILS REFER TO NTA-TCD-1100-011.
4. FOR FOOTWAY CONSTRUCTION DETAILS REFER TO NTA-TCD-1100-015 TO 018.
5. THIS DETAIL IS TO BE READ IN CONJUNCTION WITH TL402 OF THE CDM.
6. CYCLE TRACK 60mm BELOW FOOTWAY LEVEL SEPARATED BY BEVELLED KERB OR ALTERNATIVELY CYCLE TRACK MAY BE RAISED TO FOOTWAY LEVEL AT CROSSING.
7. REFER TO DMURS FOR FURTHER GUIDANCE ON FOOTWAY WIDTH AND VISIBILITY REQUIREMENTS AT JUNCTIONS, SPECIFICALLY SECTION 4.3.1 AND 4.4.5 RESPECTIVELY.
8. DESIRABLE KERB UPSTAND OF 0mm TO 6mm WHERE REQUIRED FOR DRAINAGE PURPOSES.
9. PREFERRED LOCATION OF TACTILE PAVING IS IN LINE WITH THE SIDE ROAD KERB EDGE, TACTILE ARRANGEMENT TO BE AGREED WITH THE APPROVING AUTHORITY. CONSIDERATION IS TO BE GIVEN TO LOCATE TACTILE PAVING OUTSIDE OF THE SWEPT PATH ANALYSIS AT EACH SIDE ROAD ENTRY.
10. ALL DIMENSIONS IN MILLIMETRES U.N.O.

NOT TO SCALE

An Roinn Iompair
Department of Transport

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National Transport Authority

CYCLE DESIGN MANUAL
TYPICAL CONSTRUCTION DETAILS

Series:
NTA-1100: KERBS, FOOTWAYS AND PAVED AREAS

Date	Issue
JAN'26	01

Title
CONTINUOUS FOOTWAY CROSSING (PARTIAL SETBACK)

Drawing File Number
NTA-TCD-1100-007

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National Transport Authority

Some examples: Series 1100 Kerbs, Footways & Paved Areas

Continuous Crossing with Partial Setback

https://maps.app.goo.gl/qpaxL1PbxBXa1N5FA

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3. Cycle Design Manual (CDM) Update

- First CDM update due in Q1/Q2 2026
- Significant update to guidance on Island Bus Stops, informed by discussions with stakeholders
- Other minor updates to align with TSM
- Subsequent update likely by end of 2026

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National Transport Authority

Thank You

TechnicalStandards@nationaltransport.ie

Locaiton: https://maps.app.goo.gl/1H5oKbEbJPk5SebG6