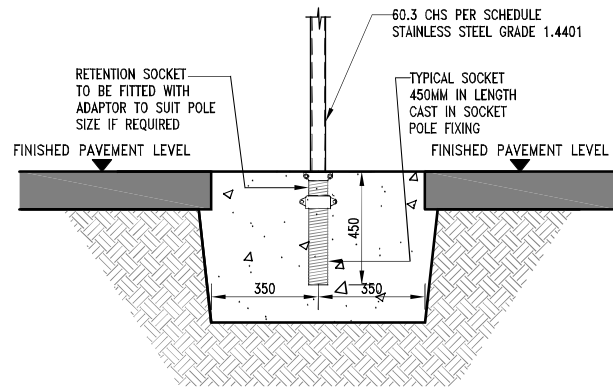


SIDE ELEV OF SIGN POLE
SCALE 1:20



FRONT ELEV OF SIGN POLE (TYPE E)
SCALE 1:20

Stainless Steel (Grade 1.4401)

Type	B(m)	D(m)	H(m)	Foundation Dimension(m)	60.3 x 3.2
E	0.45	0.98	2.50	0.70 x 0.70 x 0.6 dp	✓

POLE AND FOUNDATION DESIGN

Concrete Grade
XC4/XD3/XS1 XF4 to EN 206.1 Min. Cement = 400kg/m ³ Min. Strength = C40/50 Max. W/C = 0.45

NOTE:
-WHERE FOOTPATH CONSISTS OF PAVING OR COBBLE SETS POST FOUNDATION TO BE RECESSED TO ALLOW FOR REINSTATEMENT OF FINISH (MAX. 100mm)

FOR TENDER
NOT FOR CONSTRUCTION

NOTES

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- Flag pole and securing plate to be grade 316 stainless steel as per specification.

Rev. No.	Date	REVISION NOTE	Des. By	Chk. By
A	27-08-14	UPDATED TO NTA COMMENTS	BP	ME
B	02-09-14	UPDATED TO NTA COMMENTS	P.D	ME
C	11-07-18	UPDATED TO NTA COMMENTS	SMC	KA

OCSC
Multidisciplinary Consulting Engineers

O'Connor Sutton Corin & Associates Ltd.
9 Prussia St.,
Dublin 7.

TEL +353 (0)1 8682000
FAX +353 (0)1 8682100

e: ocsc@ocsc.ie
w: www.ocsc.ie

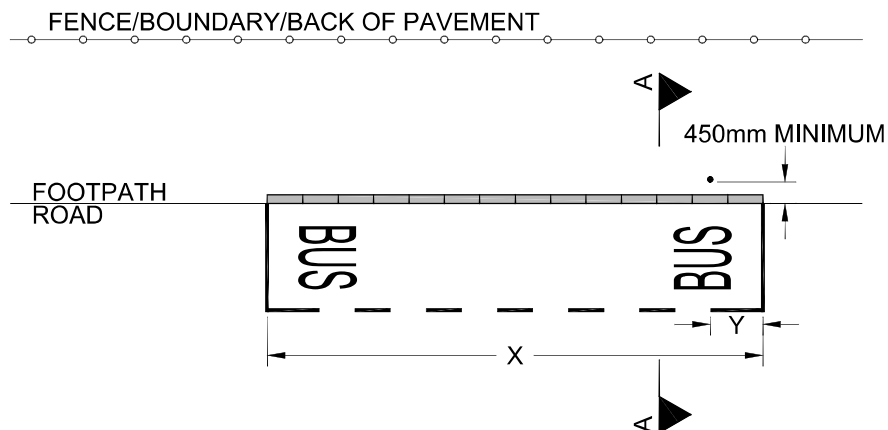
ISO 9001
REGISTERED
QUALITY

ISO 14001
REGISTERED
ENVIRONMENTAL

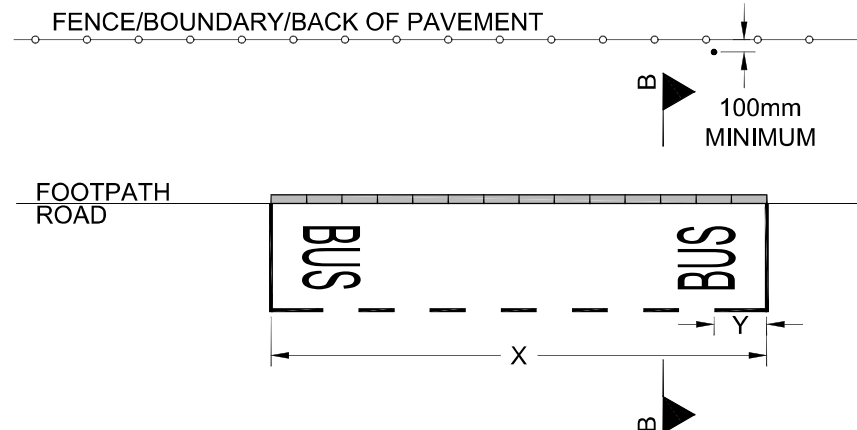
ISO 45001
REGISTERED
SAFETY & HEALTH

Client	NATIONAL TRANSPORT AUTHORITY		
Project	BUS STOPS POLE & BASE DETAILS REPORT NO. 3		
Title	GENERAL ARRANGEMENT OF BUS STOP POLE & FOUNDATION TYPE E		
Des. By	Chk. By	App'd By	Dep. No.
BP	ME	MOR	
Date	Scale		
25/08/14	AS SHOWN @ A3		
Revision			
N169 -009		C	

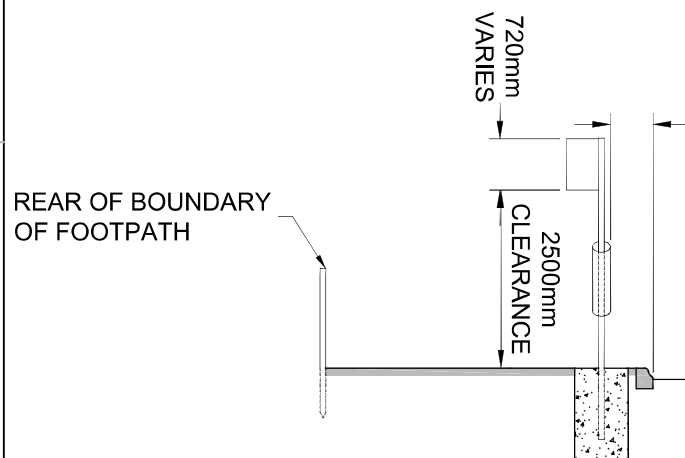
Office Locations | Dublin (Head Office) | London | Cork | Galway | Belfast | Warsaw | Bucharest | Moscow | Abu Dhabi | Libya |



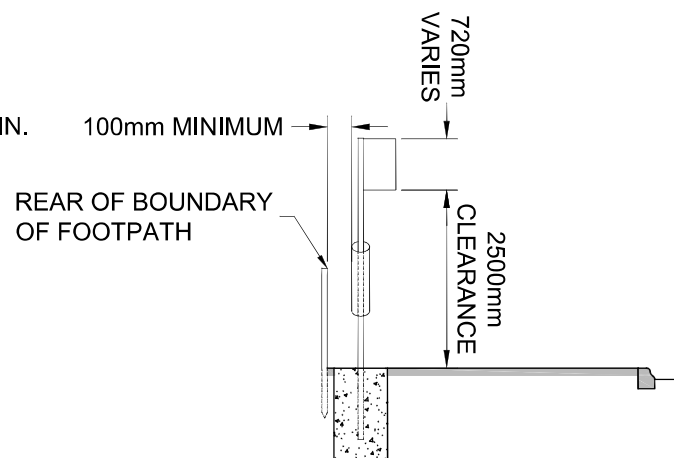
LAYOUT 1: BUS STOP POLE AT BACK OF KERB



LAYOUT 2: BUS STOP POLE AT BACK OF FOOTPATH



SECTION A-A



SECTION B-B

GENERAL NOTES:

1. LAYOUT 1 TO BE USED WHERE POSSIBLE, ALTERNATIVE LAYOUT 2 TO BE USED WHERE LAYOUT 1 IS NOT ACHIEVABLE.
2. NO PART OF THE BUS STOP POLE INCLUDING HEADPLATE & CAROUSEL SHALL BE CLOSER THAN 450mm FROM THE FRONT FACE OF THE KERB.
3. THE UNDERSIDE OF THE POLE HEADPLATE SHALL NOT BE WITHIN 2500mm OF THE FOOTPATH LEVEL.
4. WHERE LAYOUT 2 IS USED, THE POLE SHALL BE POSITIONED SO THAT THE CAROUSEL IS FREE TO ROTATE 360° ON THE POLE & A MINIMUM CLEARANCE OF 100mm IS PROVIDED BETWEEN THE CAROUSEL & ANY FIXED FEATURE OR BOUNDARY WALL.
5. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WORKS REQUIREMENTS & SPECIFICATION.
6. DIMENSIONS "X" AND "Y" WILL BE BASED ON SITE CONTEXT AND BUS TYPE AS PER NTA BUS STOP GUIDANCE.



National Transport Authority
Design Section
Dún Scéine
Harcourt Lane
Dublin 2

T. +353 1 881 8300 (Main switch)

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An Rannóg Deartha
Dún Scéine
Lána Fhearchair
Baile Átha Cliath 2

Title

**BUS STOP - NEW POLE LOCATION
TYPICAL DETAIL**

JG	GR	F'OD	JULY 2019
Drm	Chk'd	App'd	Date of Issue

Documentation Set

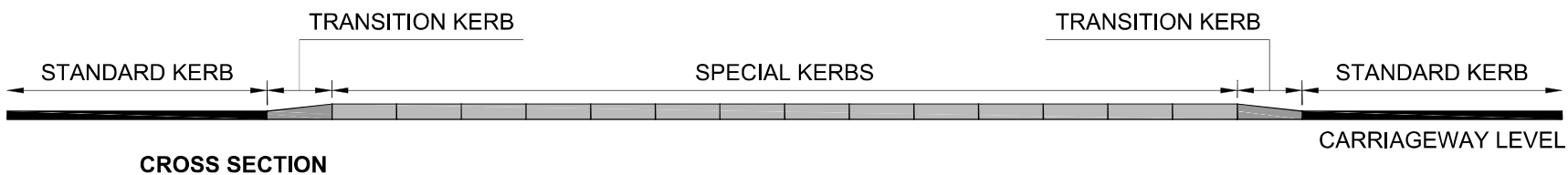
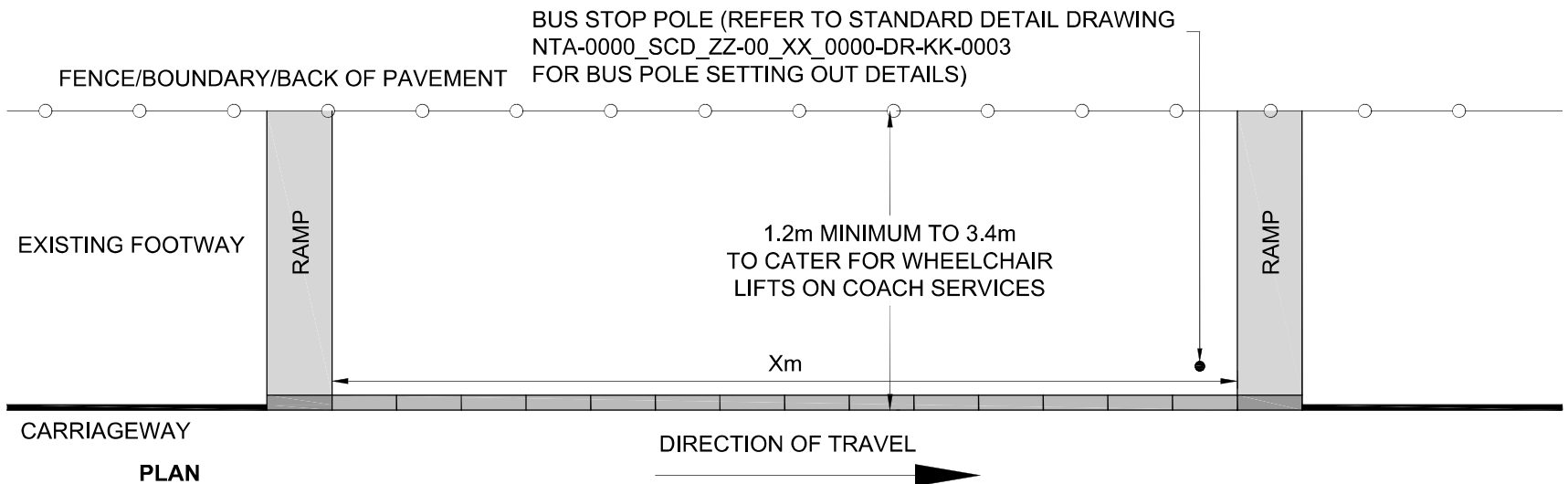
Drawing File Number

Rev

STANDARDS

NTA-SCD-4005

01



TYPICAL HARDSTANDING LENGTHS FOR VARIOUS BUS STOP ARRANGEMENTS

LOCATION	BUS STOP TYPE	LENGTH OF 160mm HIGH SPECIAL KERBING (Xm)
URBAN/CITY	STANDARD BUS STOP	14m
	BUS STOP IN LAYBY	21m
RURAL	BUS STOP BUILD OUT - SHORT	3m
	BUS STOP BUILD OUT - LONG	12m

NOTES:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WORKS REQUIREMENTS & SPECIFICATION.



National Transport Authority
Design Section
Dún Scéine
Harcourt Lane
Dublin 2
T. +353 1 881 8300 (Main switch)

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PUBLICATION TITLE

TYPICAL BUS STOP HARDSTANDING DETAIL - NEW BUS STOP

DOCUMENTATION SET

STANDARDS

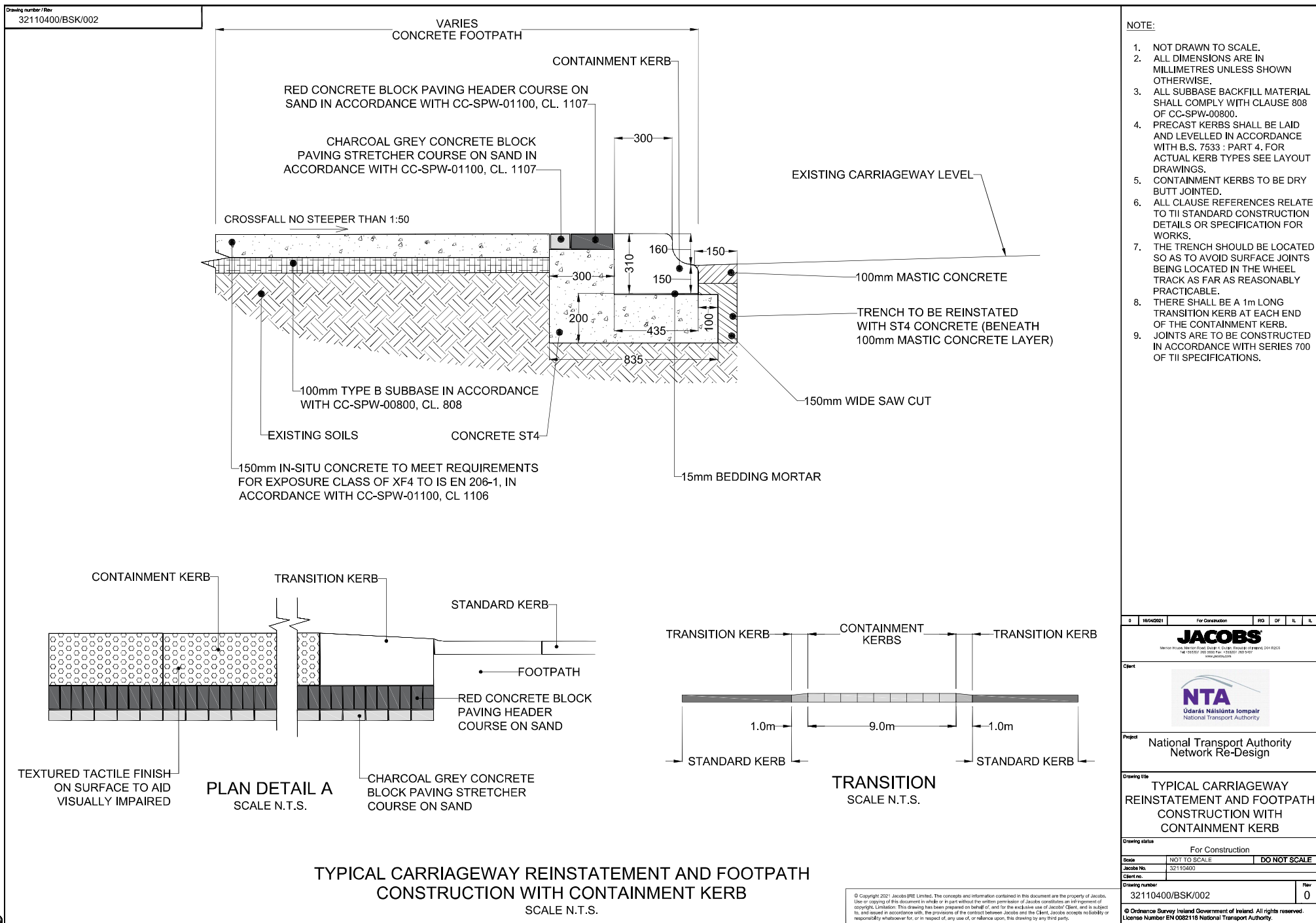
PUBLICATION DATE

JULY 2018

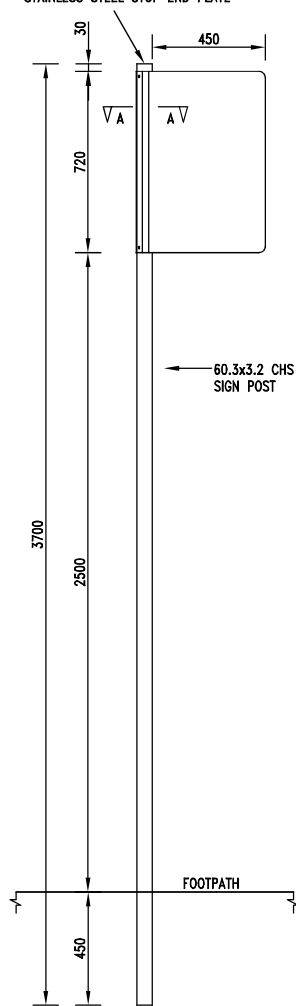
PUBLICATION NUMBER

NTA-0000-SCD_ZZ-00_XX-0000-DR-KK-0006

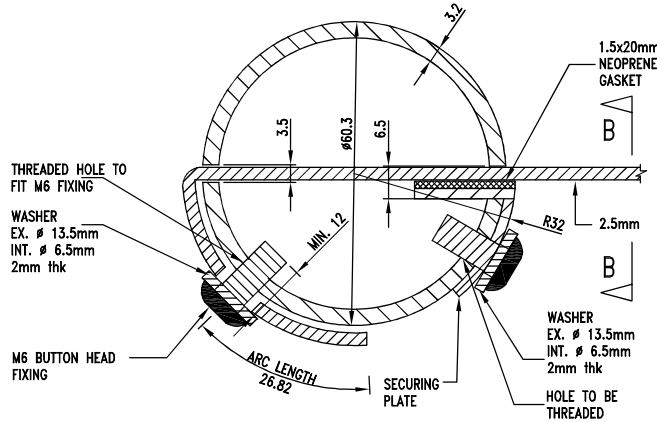
32110400/BSK/002 - sheet 2 - R2012/19



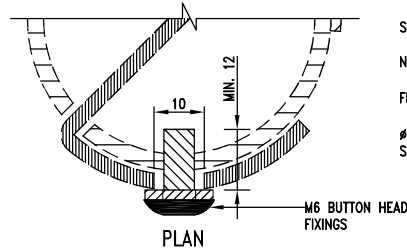
TOP OF POLE TO BE FULLY SEALED WITH A WELDED CIRCULAR STAINLESS STEEL STOP END PLATE



FULL ELEVATION
SCALE 1:20

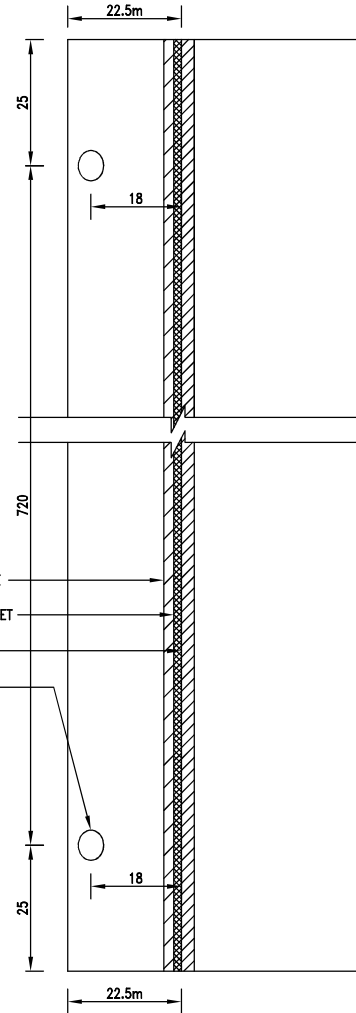


SECTION A-A
SCALE 1:1



PLAN
ELEVATION

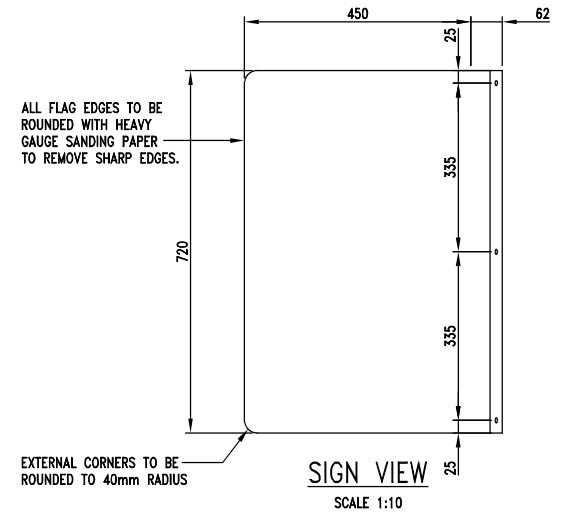
DETAIL 1
TYPICAL CONNECTION SLOT FOR
BUTTON HEAD FIXINGS
SCALE 1:1



SECTION B-B
SCALE 1:1

FLAG AND FIXINGS ASSEMBLY SCHEDULE

Stainless Steel (Grade 1.4401)				
Type	No. of M6 Button Head Fixings A4-80 to ISO 7380	No. of Nord-Lock NL6spss Washers or Similar Approved	No. of 1.5x20mm Neoprene Gaskets	Length of Securing Plates 2x20x20 Angle x 720 (Length)
C	6	6	1	720



FOR TENDER

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NOTES

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- Flag pole and securing plate to be grade 316 stainless steel as per specification.

Rev. No.	Date	REVISION NOTE	Des. By	Chk. By
A	25/06/14	UPDATED TO NTA COMMENTS	MD	MI
B	27-08-14	UPDATED TO NTA COMMENTS	SP	MI
C	11-07-18	UPDATED TO NTA COMMENTS	SMC	KA
D	12-08-19	UPDATED TO NTA COMMENTS	EB	KA

OCSC

Multidisciplinary Consulting Engineers

O'Connor Sutton Corrin & Associates Ltd.
9 Prussia SL,
Dublin 7.

TEL +353 (0)1 8682000
FAX +353 (0)1 8682100

e: ocsc@ocsc.ie
w: www.ocsc.ie



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Client	NATIONAL TRANSPORT AUTHORITY			
Project	BUS STOPS POLE & BASE DETAILS REPORT NO. 3			
Title	FLAG AND POLE ASSEMBLY - TYPE C			
Des. By	MD	Chk. By	MI	App. No.
Date	08/08/14	Scale	AS SHOWN @ A3	Revision
				N169 -006
				D



SCALE 1:1



Stainless Steel (Grade 1.4401)				
Type	No. of M6 Button Head Fixings A4-80 to ISO 7380	No. of Nord-Lock NL6spss Washers or Similar Approved	No. of 1.5x20mm Neoprene Gaskets	Length of Securing Plates 2x20x20 Angle x 980
E	6	6	1	980mm



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5. Flag plate and securing plate to be grade 316 stainless steel as per specification.

[illegible]

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FAX +353 (0)1 8682100
e: ccsc@ccsc.ie
w: www.ccsc.ie



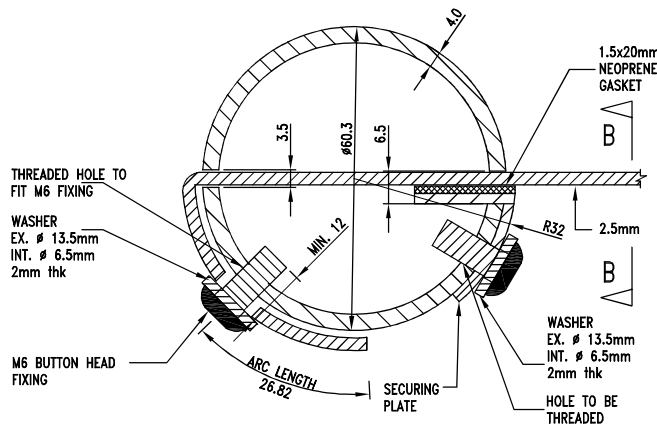
Dm by PJD	Child by MH	Aged by MOR	Dep. No. N169 -008	Revision D
Date 09 /09 /14	Scale AS-100000 : 1			

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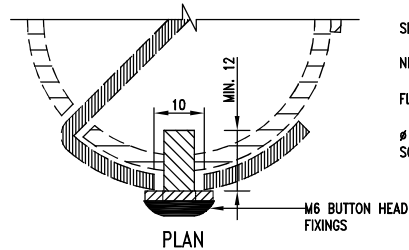
Diagram illustrating the proposed sidewalk layout with dimensions and a sign post location:

- Overall width: 3830
- Distance from the left edge to the centerline: 2500
- Distance from the centerline to the right edge: 450
- Feature: 60.3x4.0 CHS SIGN POST
- Feature: FOOTPATH

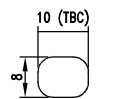
FULL ELEVATION
SCALE 1:20



SECTION A-A
SCALE 1:1

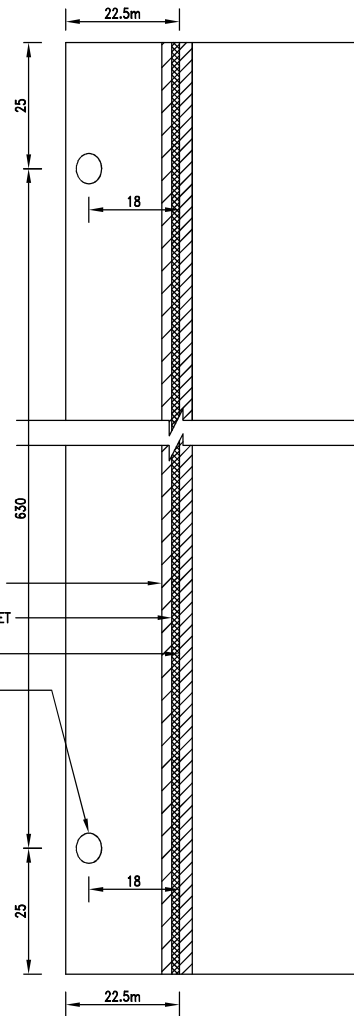


PLAN



ELEVATION

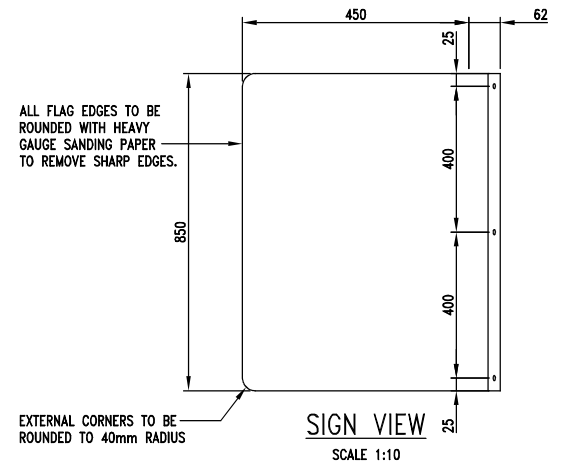
DETAIL 1
TYPICAL CONNECTION SLOT FOR
BUTTON HEAD FIXINGS
SCALE 1:1



SECTION B-B
SCALE 1:1

FLAG AND FIXINGS ASSEMBLY SCHEDULE

Stainless Steel (Grade 1.4401)				
Type	No. of M6 Button Head Fixings A4-80 to ISO 7380	No. of Nord- Lock NL6sps Washers or Similar Approved	No. of 1.5x20mm Neoprene Gaskets	Length of Securing Plates 2x20x20 Angle
F	6	6	1	850mm



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5. Flag pole and securing plate to be grade 316 stainless steel as per specification.

[illegible]

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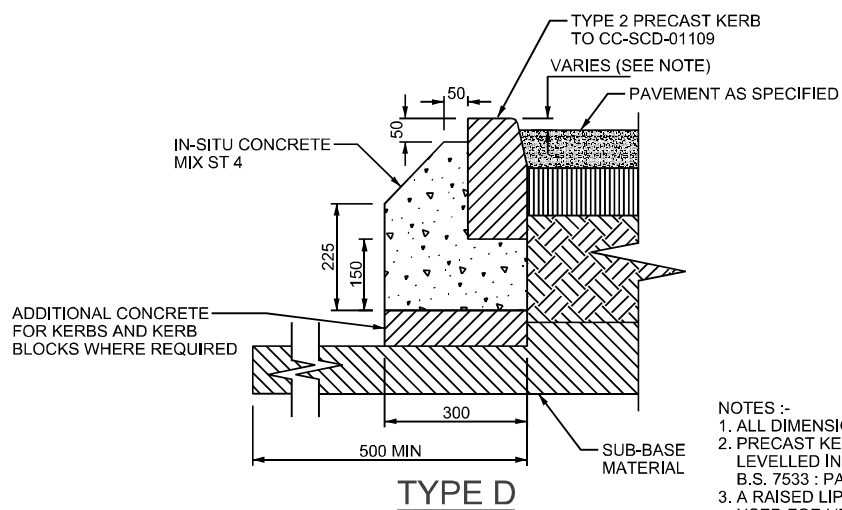
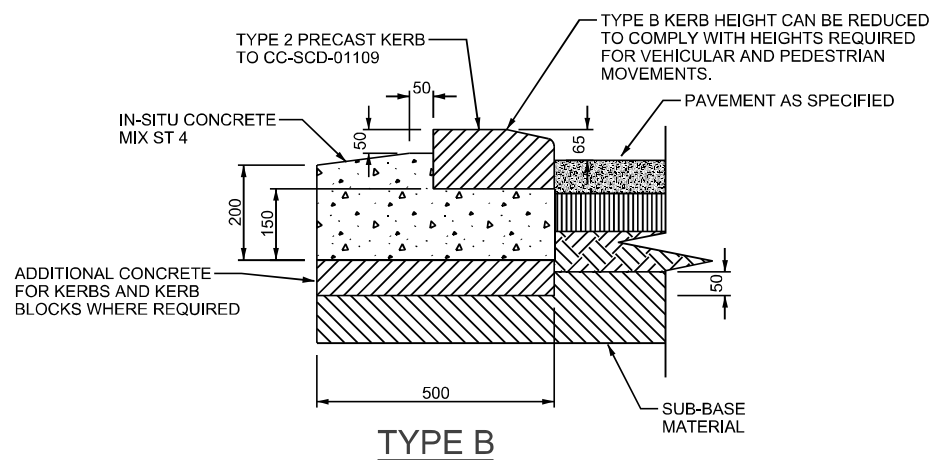
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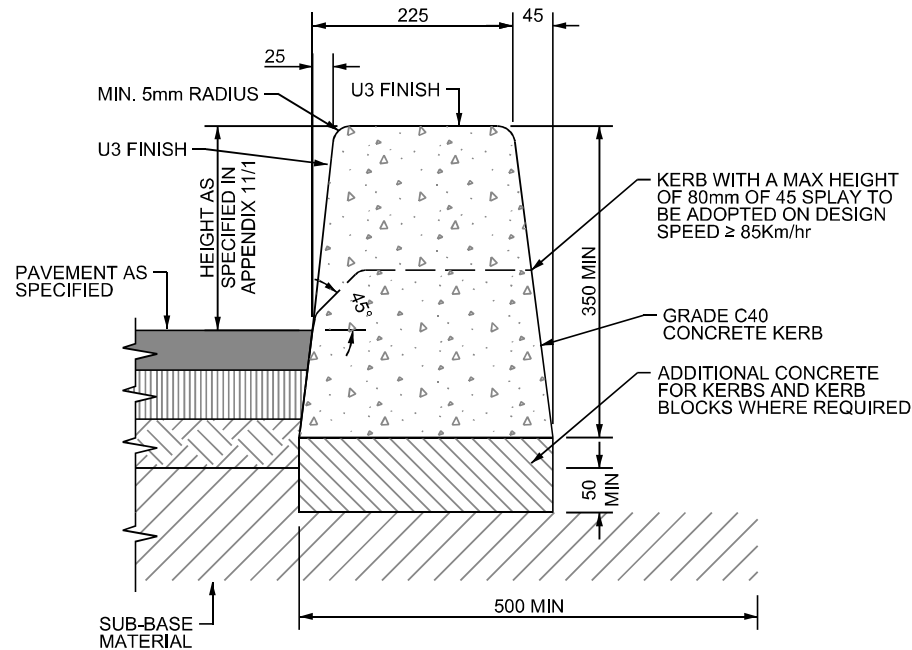
Client	NATIONAL TRANSPORT AUTHORITY				
Project	BUS STOPS POLE & BASE DETAILS REPORT NO. 3				
Title	FLAG AND POLE ASSEMBLY - TYPE F				
<div>  </div>	<div> Drawn by DS </div>	<div> Checked by DIM </div>	<div> Approved by MOR </div>	<div> Drawg. No. N169 - 011 </div>	<div> Revision D </div>
	<div> Date 08/06/16 </div>		<div> Scale AS SHOWN @ AS </div>		



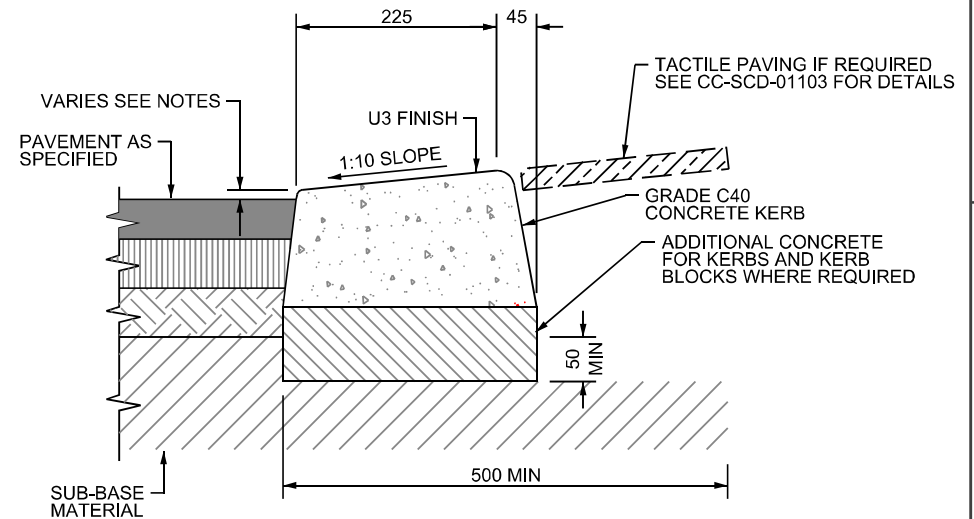
- NOTES :-**
1. ALL DIMENSIONS ARE IN MILLIMETRES.
 2. PRECAST KERBS SHALL BE LAID AND LEVELLED IN ACCORDANCE WITH B.S. 7533 : PART 4.
 3. A RAISED LIP OF 25mm SHOULD BE USED FOR VEHICULAR ENTRANCES.
 4. A RAISED LIP OF 0-6mm SHOULD BE USED FOR PEDESTRIAN CROSSINGS.

NOTES :-

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. IN SITU CONCRETE KERBS SHALL COMPLY WITH THE RECOMMENDATIONS OF B.S. 5931.
3. KERBS SHALL BE PROTECTED FROM THE EFFECTS OF ADVERSE WEATHER UNTIL CURED.
4. DROP KERB HEIGHT VARIES FROM 25mm FOR VEHICULAR ACCESSES AND 0-6mm FOR PEDESTRIAN CROSSING.

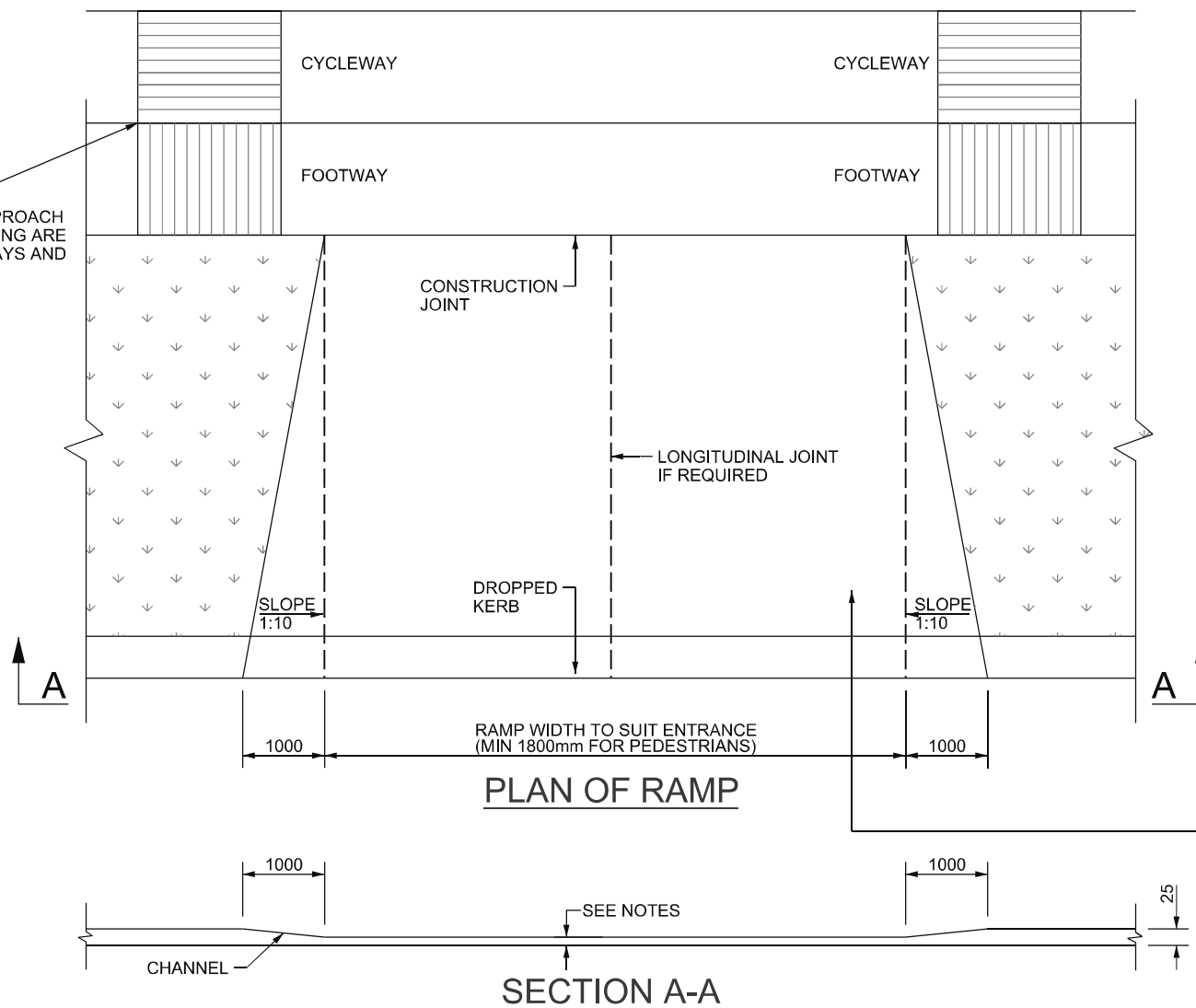


STANDARD IN SITU CONCRETE KERB



IN SITU CONCRETE DROP KERB

TACTILE PAVING
TACTILE PAVING ON APPROACH
TO PEDESTRIAN CROSSING ARE
REQUIRED ON CYCLEWAYS AND
FOOTWAYS



- NOTES :-
1. A RAISED LIP OF 25mm SHOULD BE USED FOR VEHICULAR ENTRANCES.
 2. A RAISED LIP OF 0-6mm SHOULD BE USED FOR PEDESTRIAN CROSSING.
 3. REFER TO CC-SCD-01109 FOR PRECAST KERB DIMENSIONS.
 4. REFER TO CC-SCD-01102 FOR INSITU CONCRETE KERB DIMENSIONS.
 5. TACTILE PAVING IS TO BE PROVIDED AT ALL PEDESTRIAN CROSSINGS, ADVICE ON THE EXACT LOCATION AND DIMENSIONS CAN BE FOUND FROM THE UK DEPARTMENT FOR TRANSPORT, MOBILITY INCLUSION UNIT DOCUMENT, "GUIDANCE ON THE USE OF TACTILE PAVING SURFACE".
 6. ALL DIMENSIONS ARE IN MILLIMETRES.
 7. TACTILE PAVING TO BE LAID ON A MINIMUM 30mm / MAXIMUM 70mm COMPACTED THICKNESS OF SEMI-DRY CONCRETE CONTAINING FORTA-FIBRE POLYPROPYLENE FIBRES OR OTHER APPROVED EQUIVALENT FIBRE. REINFORCEMENT AT A RATE OF 0.9 kg/m³. THE COMPRESSIVE STRENGTH OF THE BEDDING SHALL NOT BE LESS THAN 35 N/sq mm.

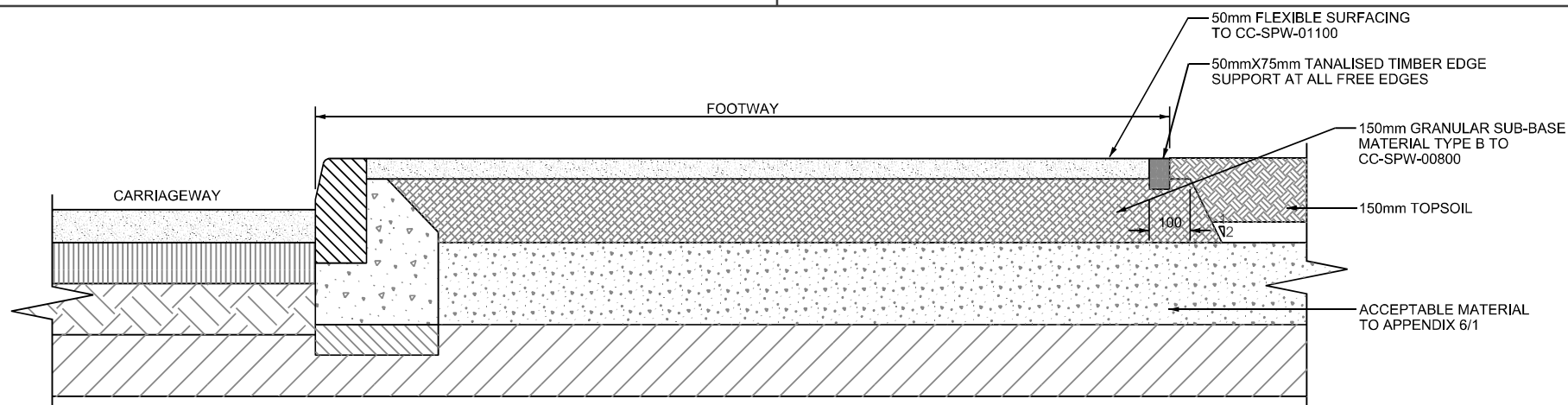
VEHICULAR ACCESS:
RAMP CONSTRUCTION FROM GRADE C30 CONCRETE 150mm THICK WITH A393 MESH REINFORCED TOP AND BOTTOM. SURFACE OF RAMP TO BE BRUSHED TOP FROM 'NON-SLIP' FINISH.

PEDESTRIAN CROSSINGS:
TACTILE PAVING TO BE PROVIDED TO GIVE GUIDANCE TO VISUALLY IMPAIRED PEDESTRIANS.

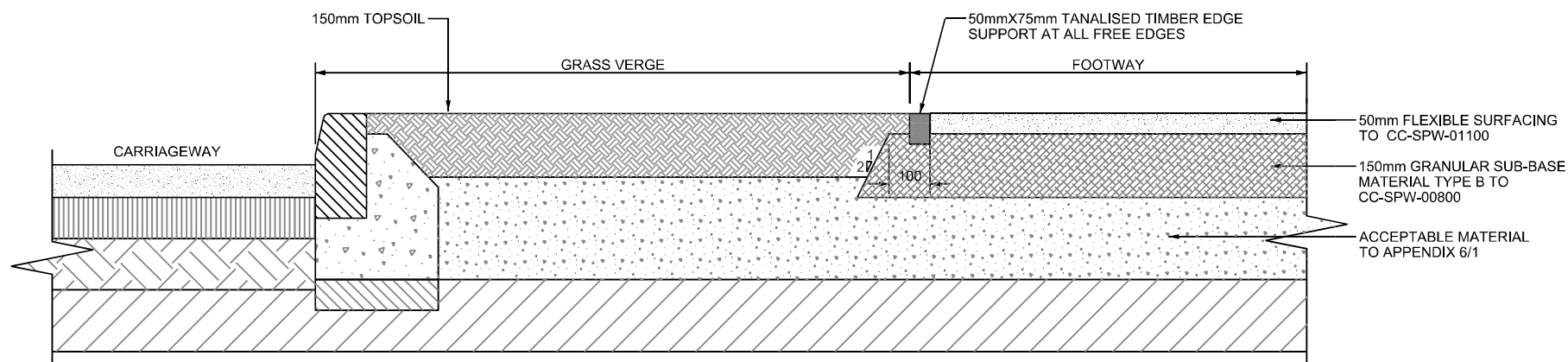


PUBLICATION TITLE
KERBS, FOOTWAYS AND PAVED AREAS
DROPPED KERB RAMP

ACTIVITY		PUBLICATION NUMBER			
STREAM	STANDARD CONSTRUCTION DETAILS (SCD)	HISTORICAL REFERENCE	DOCUMENTATION SET	PUBLICATION DATE	
		RCD/1100/3	STANDARDS	MARCH 2020	

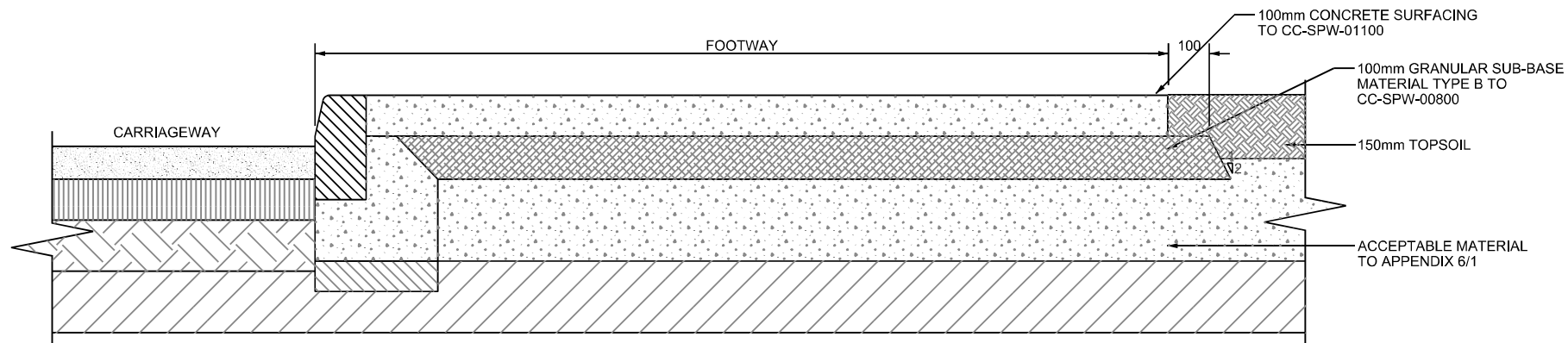


TYPE 1

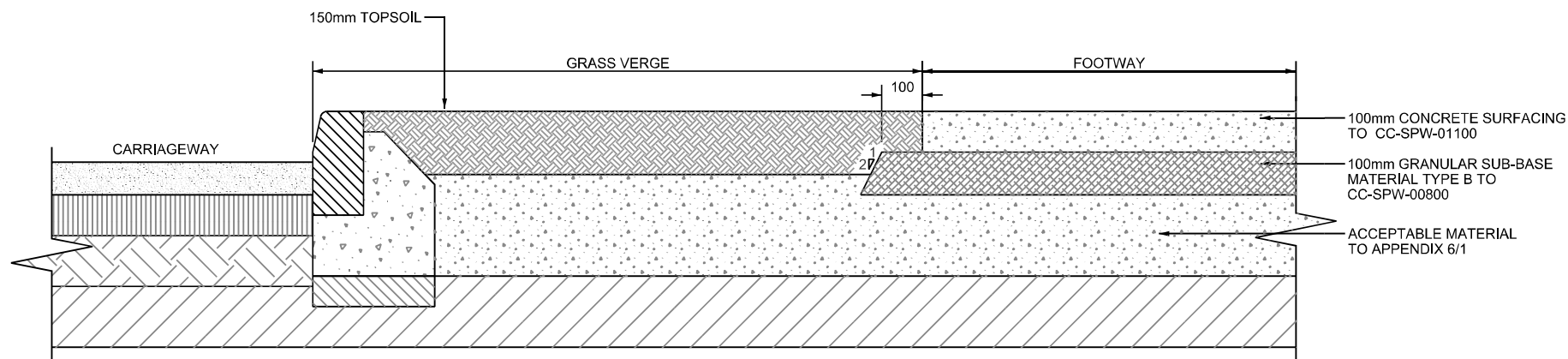


TYPE 2

NOTE:
 1. FOOTWAY IS SHOWN WITH A PRECAST CONCRETE KERB TYPE A. ALTERNATIVE KERB TYPES ARE SHOWN CC-SCD-01101 AND CC-SCD-01102.
 2. ALL DIMENSIONS ARE IN MILLIMETRES.

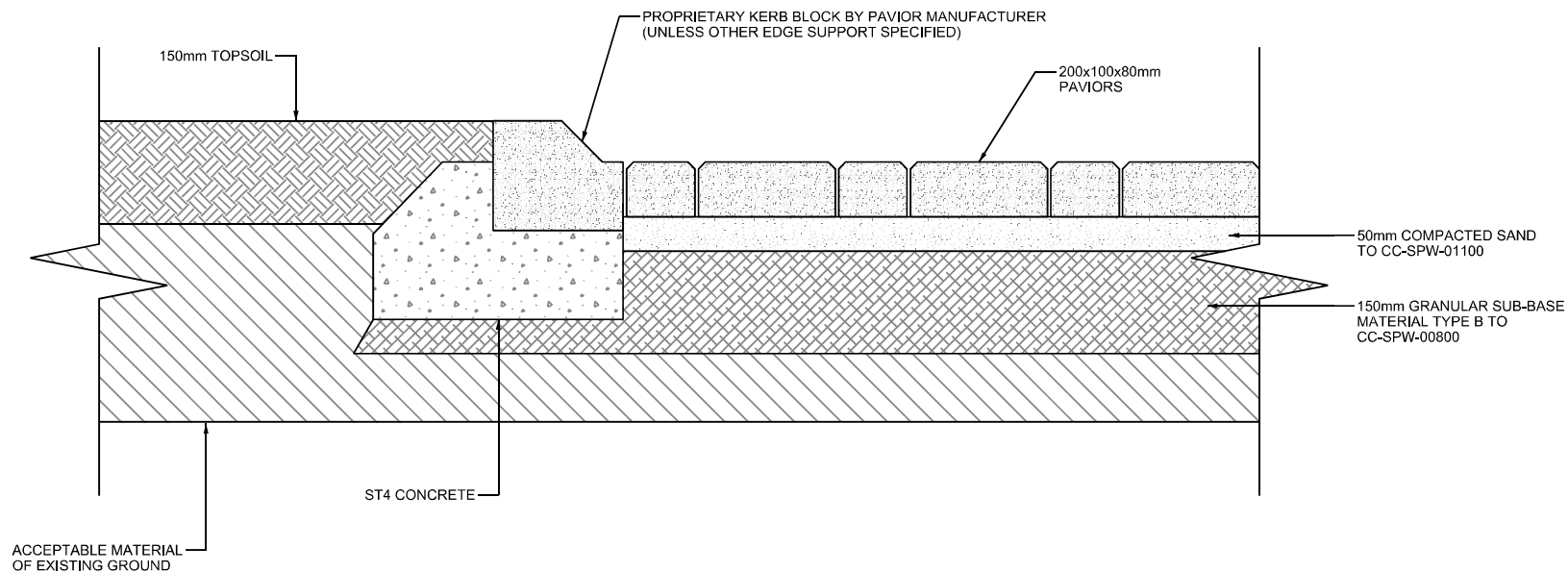


TYPE 1





TYPE 2

NOTE:
 1. FOOTWAY IS SHOWN WITH A PRECAST CONCRETE KERB TYPE A.
 ALTERNATIVE KERB TYPES ARE SHOWN ON CC-SCD-01101 AND
 CC-SCD-01102.
 2. ALL DIMENSIONS ARE IN MILLIMETRES.



NOTE:

1. ALL BLOCK PAVING FREE EDGES SHALL BE SUPPORTED BY PROPRIETARY KERB BLOCKS UNLESS OTHER EDGE SUPPORT HAS BEEN SPECIFIED.
2. MAXIMUM GRADIENT TO WHICH BLOCK PAVING CAN BE LAID IS 8%.

 Bonneagar Iompair Éireann Transport Infrastructure Ireland	<div>ACTIVITY</div> <div> Construction & Commissioning</div>	<div>PUBLICATION TITLE</div> <div>KERBS, FOOTWAYS AND PAVED AREAS NON TRAFFICKED BLOCK PAVING</div>									
	<div>STREAM</div> <div>STANDARD CONSTRUCTION DETAILS (SCD)</div>	<div>HISTORICAL REFERENCE</div> <div>RCD/1100/6</div>	<div>DOCUMENTATION SET</div> <div>STANDARDS</div>	<div>PUBLICATION DATE</div> <div>MARCH 2000</div>	<div>PUBLICATION NUMBER</div> <table><tr><td>ACTIVITY</td><td>STREAM</td><td>DRAWING NUMBER</td></tr><tr><td>CC</td><td>SCD</td><td>01106</td></tr></table>		ACTIVITY	STREAM	DRAWING NUMBER	CC	SCD
ACTIVITY	STREAM	DRAWING NUMBER									
CC	SCD	01106									