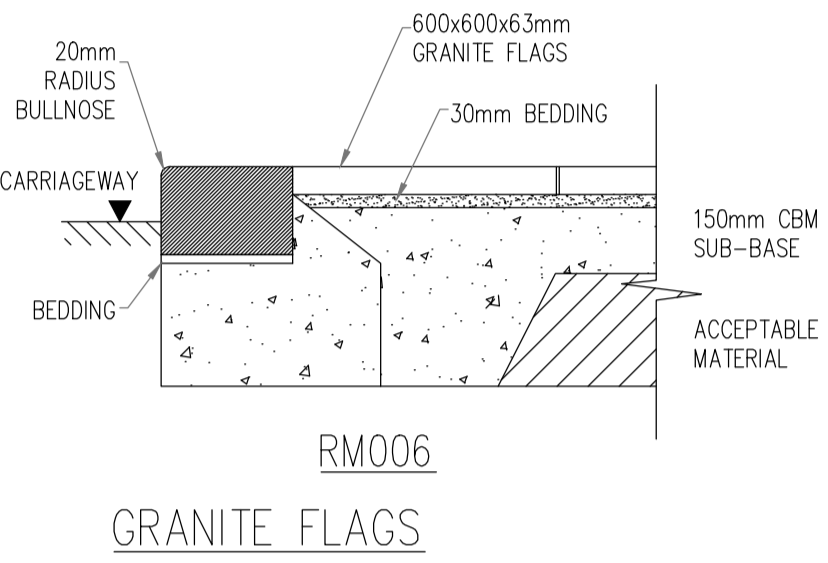
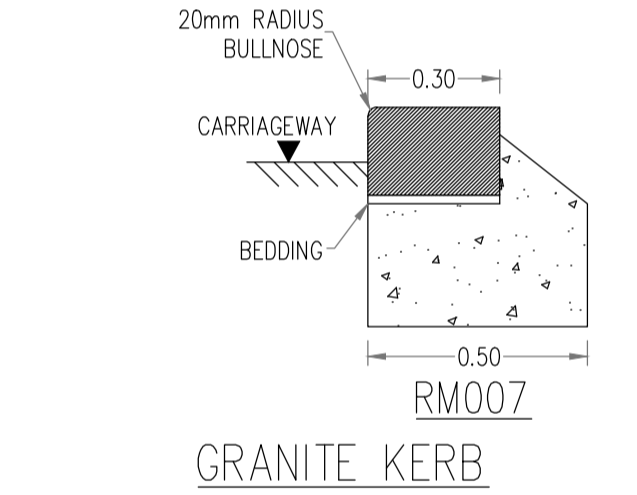


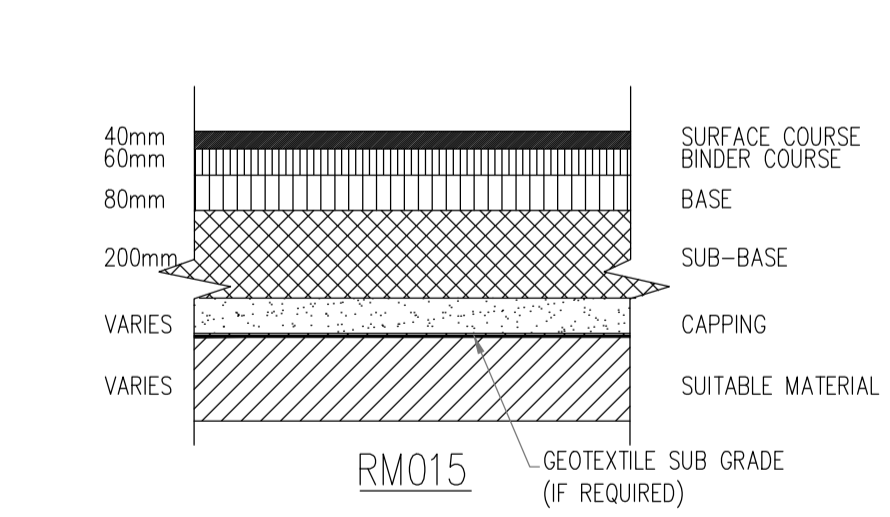
**NOTES:**  
 1. ALL DIMENSIONS ARE IN MILLIMETERS.  
 2. PRECAST KERBS SHALL BE LAID AND LEVELLED IN ACCORDANCE WITH B.S. 7533 : PART 4.  
 3. A RAISED LIP OF 25mm SHOULD BE USED FOR VEHICULAR ENTRANCES.  
 4. A RAISED LIP OF 0-6mm SHOULD BE USED FOR PEDESTRIAN CROSSINGS.



**WORK ELEMENT:** - GRANITE FLAGS  
**USE:** - PEDESTRIAN USE ONLY  
**DESCRIPTION:** - SILVER, GREY OR BEIGE GRANITE  
**DIMENSIONS:** - 600x600x63mm  
**LAYING:** - N/A  
**BEDDING:** - SAND/CEMENT 3:1 (30mm THICK)  
**SUB-BASE:** - SEMI-DRY CONCRETE 150mm CEMENT BOUND MATERIAL (CBM) CATEGORY 3 TII 'SPECIFICATION FOR ROADWORKS' (SRW) TO CLAUSE 1038 (THE RATIO BY MASS OF CEMENT TO AGGREGATE SHALL BE SUFFICIENT TO PRODUCE A 7 DAY STRENGTH OF 10/1mm<sup>2</sup>)  
**OTHER LAYERS:** - ACCEPTABLE MATERIAL THAT MEETS THE REQUIREMENTS OF TABLE 6/1 IN VOLUME 1 OF THE SRW  
**JOINTS:** - 6mm WIDE GROUND WITH 3:1 SAND CEMENT WET SLURRY MIX AND FINISHED SLIGHTLY ROUNDED. THE SAND SHALL COMPLY WITH GRADE F IN TABLE 5 OF 1555.  
**STANDARDS:** - NATURAL STONE KERBS SHALL COMPLY WITH REQUIREMENTS OF EN 1343:2012 'KERBS OF NATURAL STONE FOR EXTERNAL PAVING'  
 • FLEXURAL STRENGTH NOT LESS THAN 8.6N/mm<sup>2</sup>  
 • SKID/SLIP RESISTANCE USRU NOT LESS THAN 45  
 • POLISHED STONE VALUE NOT LESS THAN 50  
 • WATER ABSORPTION NOT MORE THAN 0.3% BULK DENSITY  
**FINISH:** - BUSH HAMMERED OR FLAME FINISHED  
**MISCELLANEOUS:** - GRANITE SAMPLE ARE TO BE PROVIDED BEFORE COMMENCEMENT OF ALL WORK TO ROAD MAINTENANCE  
 NAME AND ADDRESS OF PROVIDER OR SUPPLIER SHALL BE INDICATED ON THE SAMPLE AS WELL AS IDENTIFICATION OF THE MATERIAL INDICATING TRADE NAME PHOTOGRAPHIC DESCRIPTION, COUNTRY OF ORIGIN AND EXTRACTION AREA. THE PLAN/DIAGONAL THICKNESS DIMENSIONS SHALL COMPLY WITH REQUIREMENTS FOR CLASS 2 IN TABLES 1.2 & 5 EN1341:200.  
**NOTE:** - NOTE IN CERTAIN LOCATIONS DUBLIN CITY COUNCIL REQUIRE HIGH STRENGTH MORTAR BEDDING ETC. PLEASE REFER TO SECTION 5 OF THE CONSTRUCTION STANDARDS FOR ROADS AND STREET WORKS BY DCC.



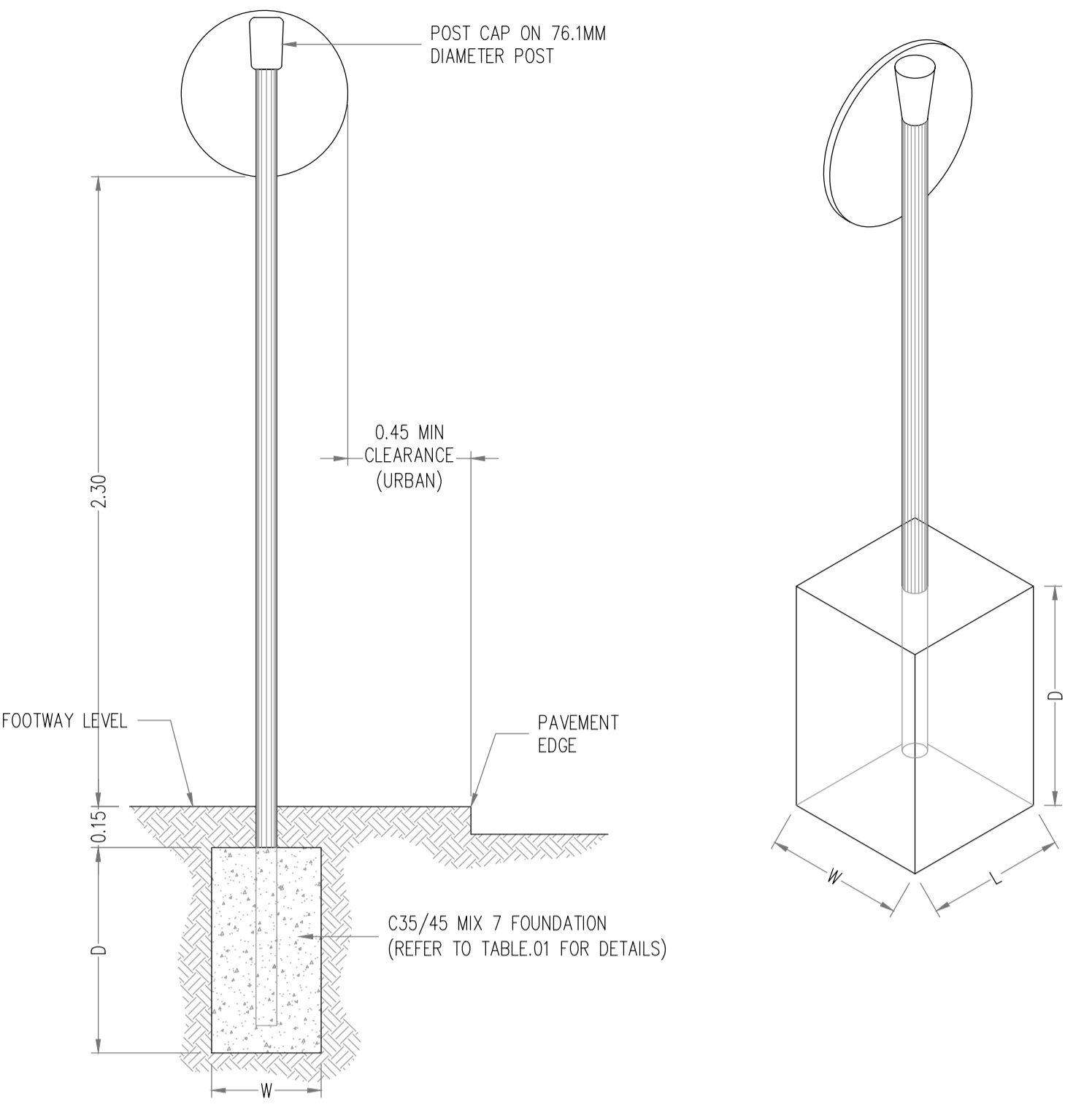
**WORK ELEMENT:** - GRANITE KERB  
**USE:** - PEDESTRIAN AND VEHICULAR ACCESS  
**DESCRIPTION:** - SILVER, GREY OR BEIGE GRANITE  
**DIMENSIONS:** - 300mm WIDE x 200mm DEPTH x 500mm MAX. LENGTH  
**LAYING:** - N/A  
**BEDDING:** - SAND/CEMENT 3:1  
**SUB-BASE:** - 300mm C30 CONCRETE  
**OTHER LAYERS:** - N/A  
**JOINTS:** - 6mm WIDE  
**STANDARDS:** - NATURAL STONE KERBS SHALL COMPLY WITH REQUIREMENTS OF EN 1343:2012 'KERBS OF NATURAL STONE FOR EXTERNAL PAVING'  
 • FLEXURAL STRENGTH NOT LESS THAN 8.6N/mm<sup>2</sup>  
 • SKID/SLIP RESISTANCE USRU NOT LESS THAN 45  
 • POLISHED STONE VALUE NOT LESS THAN 50  
 • WATER ABSORPTION NOT MORE THAN 0.3% BULK DENSITY  
**FINISH:** - BUSH HAMMERED OR FLAME FINISHED  
**MISCELLANEOUS:** - GRANITE SAMPLE ARE TO BE PROVIDED BEFORE COMMENCEMENT OF ALL WORK TO ROAD MAINTENANCE  
 NAME AND ADDRESS OF PROVIDER OR SUPPLIER SHALL BE INDICATED ON THE SAMPLE AS WELL AS IDENTIFICATION OF THE MATERIAL INDICATING TRADE NAME PHOTOGRAPHIC DESCRIPTION, COUNTRY OF ORIGIN AND EXTRACTION AREA. THE PLAN/DIAGONAL THICKNESS DIMENSIONS SHALL COMPLY WITH REQUIREMENTS FOR CLASS 2 IN TABLES 1.2 & 5 EN1341:200.  
**NOTE:** - NOTE IN CERTAIN LOCATIONS DUBLIN CITY COUNCIL REQUIRE HIGH STRENGTH MORTAR BEDDING ETC. PLEASE REFER TO SECTION 5 OF THE CONSTRUCTION STANDARDS FOR ROADS AND STREET WORKS BY DCC.



**WORK ELEMENT:** - ASPHALT ROAD  
**DESCRIPTION:** - AS PER TYPICAL DETAILS  
**DIMENSIONS:** - TO SUIT LOCATION  
**LAYING:** - IN ACCORDANCE WITH 'SPECIFICATION FOR ROADWORKS' SRW  
**BEDDING:** - N/A  
**SUB-BASE:** - TYPE B MATERIAL IN ACCORDANCE WITH CLAUSE 808 AND COMPACTED IN COMPLIANCE WITH CLAUSE 802 SRW  
**OTHER LAYERS:** - CAPPING LAYER THICKNESS DEPENDS ON CBR  
**JOINTS:** - IN ACCORDANCE WITH 'SPECIFICATION FOR ROADWORKS' SRW  
**STANDARDS:** -  
 (A) SURFACE COURSE  
 THE SURFACE COURSE EMPLOYED MAY BE ON EACH OF THE FOLLOWING:  
 1. HOT ROLLED ASPHALT SURFACE COURSE: SHALL COMPLY WITH THE REQUIREMENT OF CLAUSE 911, 910 AND 943. SRW. IT SHALL BE LAID AND COMPACTED TO CLAUSE 903.  
 2. POLYMER MODIFIED STONE MASTIC ASPHALT COURSE: SHALL COMPLY WITH THE REQUIREMENTS OF 942. SRW. IT SHALL BE LAID AND COMPACTED TO CLAUSE 903 SRW.  
 (B) BINDER COURSE  
 BINDER COURSE SHALL COMPLY WITH THE REQUIREMENTS OF CLAUSE 929, 930, 937 AND 943 SRW. IT SHALL BE LAID AND COMPACTED TO CLAUSE 903 SRW.  
 (C) BASE COURSE  
 CARRIAGEWAY BASE MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF CLAUSE 906, 907, 929 AND 930 SRW. IT SHALL BE LAID AND COMPACTED TO CLAUSE 903 SRW.  
 (D) SUB-BASE  
 SUB-BASE MATERIAL SHALL COMPRISE TYPE B GRANULAR MATERIAL, IN ACCORDANCE WITH CLAUSE 808 AND COMPACTED IN COMPLIANCE WITH CLAUSE 802 SRW.  
 (E) CAPPING LAYER  
 IF THE CBR IS LESS THAN 5% THEN A CAPPING LAYER IS REQUIRED. REFER TO TABLE 2.1 FOR DETAILS. CAPPING MATERIAL SHOULD COMPRISE OF CLASS 6F2 MATERIAL IN ACCORDANCE WITH CLAUSE 613 AND COMPACTED IN COMPLIANCE WITH CLAUSE 612 SRW  
**FINISH:** - N/A  
**MISCELLANEOUS:** - THE THICKNESS OF THE MATERIAL DESCRIBED SHALL MEET THE FINISHED OR COMPACTED THICKNESS. THE DIMENSIONS ON THE TYPICAL DETAIL REPRESENTS THE MINIMUM REQUIREMENTS. THE DESIGNER IS STILL RESPONSIBLE FOR PROVIDING APPROPRIATE DEPTHS FOR PROJECTED TRAFFIC REQUIREMENTS, GROUND CONDITIONS AND ANY ADDITIONAL DESIGN. REQUIREMENTS THAT MAY EXIST I.E. (GREATER DEPTHS OF CONSTRUCTION MATERIAL MAY BE REQUIRED). CAPPING IF REQUIRED SHOULD COMPRISE OF 6F1 OR 6F2 MATERIAL IN ACCORDANCE WITH CLAUSE 613 AND COMPACTED IN COMPLIANCE WITH CLAUSE 612.

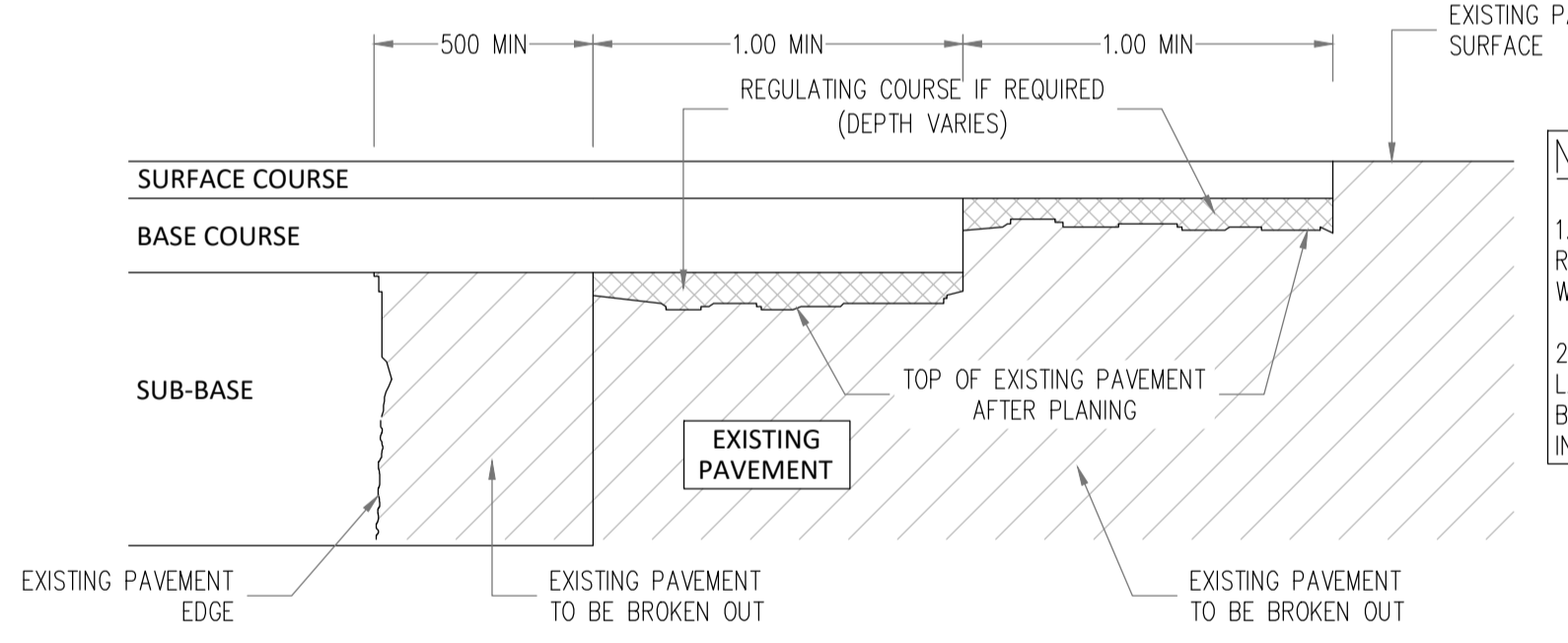
**NOTE:**

1. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.
2. ALL STEELWORK TO BE GRADE S235 J2 IN ACCORDANCE WITH IS EN 12899-1.
3. ALL STEELWORK TO BE HOT-DIP GALVANIZED IN ACCORDANCE WITH IS EN 150 1461.
4. CHECK THE UNDERGROUND SERVICES AT AN EARLY STAGE (AND ACCOMMODATE AS MAY BE NECESSARY).
5. REFER TO TRAFFIC SIGN MANUAL FOR ALL STANDARD DIMENSION.
6. POST EMBEDMENT TO BE 0.75xD
7. ORIENTATION OF SIGN:
  - ON A STRAIGHT ROAD - HORIZONTAL AXIS 90° AWAY FROM THE GENERAL ALIGNMENT OF THE LEFT-HAND SIDE OF THE CARRIAGEWAY
  - ON A RIGHT-HAND BENDS - 90° ANGEL TO A LINE TANGENTIAL TO THE LEFT-HAND EDGE OF CARRIAGEWAY
  - ON A LEFT-HAND BENDS - 95° FROM A LINE JOINING THE EDGE OF CARRIAGEWAY 200m IN ADVANCE OF THE SIGN



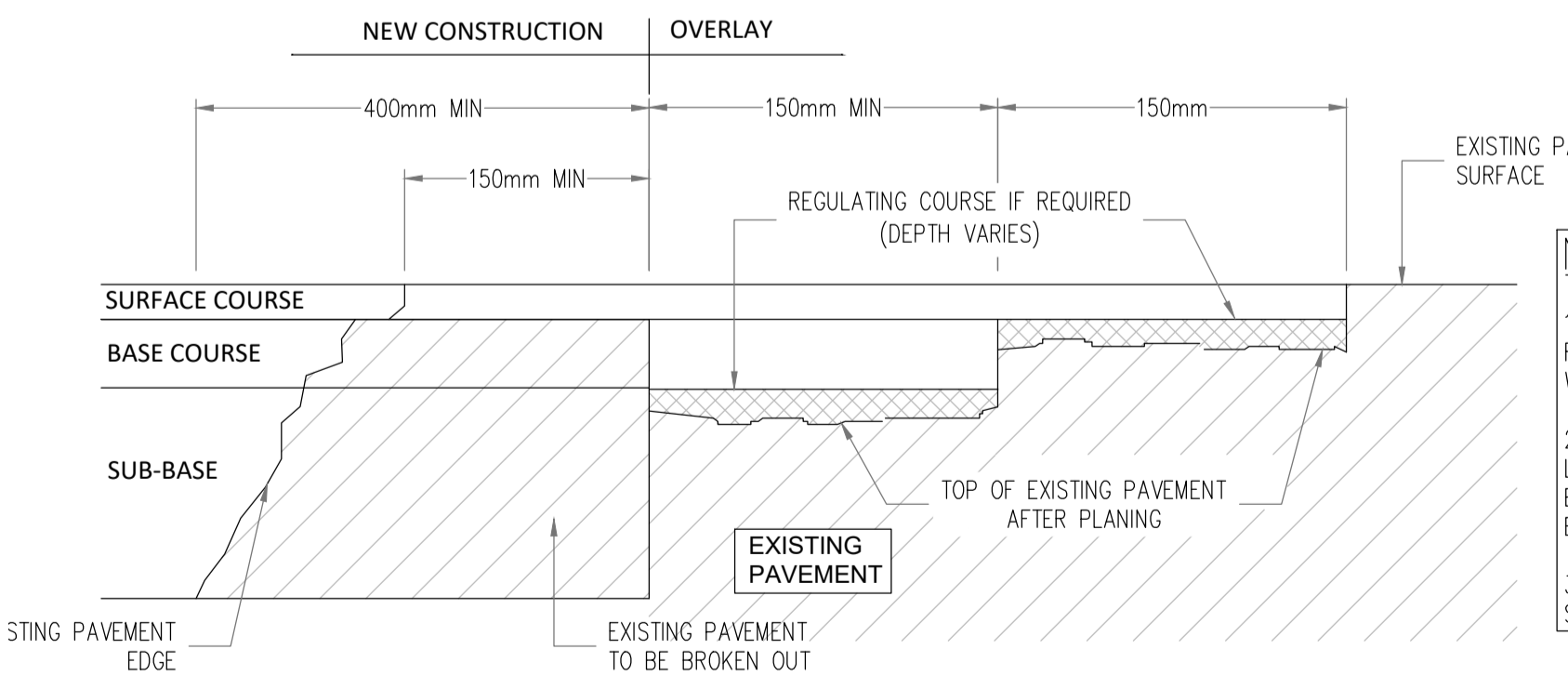
**TRAFFIC SIGN (Single Post)**  
 SCALE: N.T.S

SUMMARY	TRADITIONAL FOUNDATION OPTION 1			TRADITIONAL FOUNDATION OPTION 2			PLANTED FOUNDATION		POST DETAILS		
	L	W	D	L	W	D	Ø	D	Ø	WALL THICKNESS	TYPE
SIGN FACE AREA											
≤0.283 m <sup>2</sup> (Ø600mm)	0.75	0.40	0.55	0.55	0.55	0.55	0.40	0.50	76.1	3.2	CHS
0.283≤AREA≤0.5625m <sup>2</sup> (BETWEEN 600Ø & 750x750)	0.75	0.65	0.65	0.70	0.70	0.70	0.40	0.65	76.1	3.2	CHS
0.5625≤AREA≤1.189m <sup>2</sup> (750x750 TO 940x1265m <sup>2</sup> )	1.00	0.75	0.50	0.80	0.80	0.80	0.40	0.75	76.1	3.2	CHS



**TRANSVERSE JOINT BETWEEN NEW & EXISTING ROAD TII CC-SCD-00703.**

**NOTES:**  
 1. EDGES OF EXISTING CARRIAGE WAY TO BE CUT BACK BY 0.5m WITH A ROTARY SAW TO FORM A VERTICAL FACE AND PRIMED IN ACCORDANCE WITH CLAUSE 10 OF TII PUBLICATIONS.  
 2. WHERE THE ROAD BASE IS TO BE LAID IN TWO LAYERS. THE UPPER LAYER OF ROAD BASE SHOULD BE STEPPED INTO THE EXISTING PAVEMENT BY 1m MIN. WITH THE BINDER AND SURFACE COURSE TO BE EACH STEPPED IN A FURTHER 1m MIN. RESPECTIVELY.



**LONGITUDINAL JOINT BETWEEN NEW AND EXISTING ROAD TII CC-SCD-00704.**

**NOTES:**  
 1. EDGES OF EXISTING CARRIAGEWAY TO BE CUT BACK BY 400mm WITH A ROTARY SAW TO FORM A VERTICAL FACE AND PRIMED IN ACCORDANCE WITH CLAUSE 10 OF TII PUBLICATIONS.  
 2. WHERE THE ROAD BASE IS TO BE LAID IN TWO LAYERS. THE UPPER LAYER OF ROAD BASE SHOULD BE STEPPED INTO THE EXISTING PAVEMENT BY 150mm MIN. WITH THE BINDER COURSE AND SURFACE COURSE TO BE EACH STEPPED IN A FURTHER 150mm MIN. RESPECTIVELY.  
 3. CUTBACK AND BENCHING IN SHALL BE INCREASED AS NECESSARY UNTIL SOUND CLEAN MATERIAL IS ENCOUNTERED.

**PLANNING DRAWING.**  
 NOT FOR CONSTRUCTION.  
 ALL LEVELS GIVEN ARE RELATIVE TO ORDNANCE DATUM.  
 THIS DRAWING HAS BEEN ISSUED FOR INFORMATION PURPOSES ONLY AND MUST NOT BE USED FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

**NOTES**  
 1. For setting out refer to Architect's drawings.  
 2. This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.  
 3. DO NOT SCALE THIS DRAWING. Use figured dimensions only.  
 4. No part of this document may be reproduced or transmitted in any form or stored in any retrieval system of any nature without the written permission as copyright holder except as agreed for use on the project for which the document was originally issued.  
 5. Ordnance Survey Ireland Licence Number EN 0074025

Rev. No.	Date	REVISION NOTE	Dim. By	Chk. By
P1	28.01.2025	ISSUED FOR PLANNING	MM	SS

Architect	DTA Architects
Project	Glover Court Dublin
Title	Road Details
Dwg. No.	D117-CSC-XX-XX-DR-C-0006
Date	APRIL 2024
Dim. by	MM
Chk. by	NB
Apprv. by	MMCE
Scale	1:200 @A1
Revision	P1

**CS Consulting Group**  
 DUBLIN | LONDON | LIMERICK

Head Office  
 19-22 Dame Street, Dublin 2.  
 T: +353 (0)1 5480863  
 e: info@csconsulting.ie  
 w: www.csconsulting.ie

Quality Environment Health & Safety  
 I.S. EN ISO 9001:2008  
 I.S. EN ISO 14001:2004  
 I.S. EN ISO 50001:2011  
 OHSAS 18001:2007