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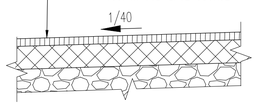
ALL ROADS TO BE IN ACCORDANCE WITH THE 'CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL'.

This drawing should not be scaled. Dimensions to be verified on site.
Any discrepancies should be referred to the Engineer prior to work being put in hand.
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NOTES:

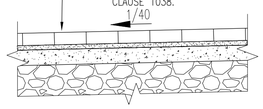
1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.

CYCLE PATH CONSTRUCTION
- 50mm SURFACE COURSE – TARMACADAM TO CLAUSE 1105
- 150mm SUB-BASE COURSE – TYPE B CLAUSE 808 GRANULAR MATERIAL (I.S. EN 13285).



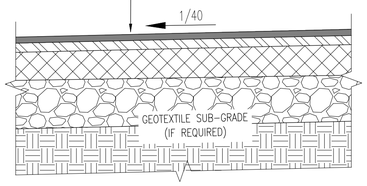
TARMACADAM CYCLE PATH CONSTRUCTION
SCALE 1:20

FOOTPATH CONSTRUCTION
- 80mm BLOCK PAVING TO ARCHITECTS SPECIFICATION (I.S. EN 1338).
- 5mm WIDE SAND JOINTS (TO I.S. EN 12620:2002 GF 85 0/1 FINE AGGREGATE).
- 30mm BEDDING COURSE – COMPACTED SAND TO CLAUSE 1107 (BS 7533-PART3).
- 100mm SUB-BASE COURSE – CEMENT BOUND MATERIAL CATEGORY 3 (CBM3) TO CLAUSE 1038.



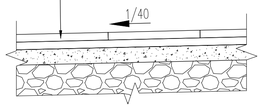
BLOCK PAVING FOOTPATH CONSTRUCTION
SCALE 1:20

ROAD CONSTRUCTION
- 40mm SURFACE COURSE – PMSMA 10 SURF PMB 65/105-60 DES TO CLAUSE 903 ON (I.S. EN 13108-5).
- 60mm BITUMINOUS BINDER COURSE – AC 20 HDM BIN 40/60 DES TO CLAUSE 903 ON (I.S. EN 13108-1).
- 200mm BASE COURSE – MATERIAL SHALL COMPLY WITH THE REQUIREMENTS OF NRA SRW CLAUSES 906, 907, 929 AND 930. TO BE LAID AND COMPACTED TO CLAUSE 903.
- 300mm SUB-BASE COURSE – TYPE B CLAUSE 808 GRANULAR MATERIAL COURSE TO CLAUSE 802 ON (I.S. EN 13285).
- CAPPING LAYER – DEPENDENT UPON THE CBR OF THE FORMATION. SEE TABLE 1. CAPPING MATERIAL BELOW FORMATION LEVEL TO BE CLASS 6F2 SUPPLIED AND LAID IN ACCORDANCE WITH SERIES 600 IN THE NRA SPECIFICATION FOR ROAD WORKS. (SEE TABLE 1 AND NOTE)
- SCENARIO OF BULK FILL, THICKNESS VARIES. CLASS 6F1 OR 6F2 QUALITY MATERIAL.



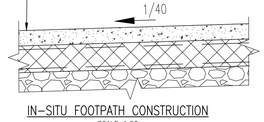
RM016 – ROADWAY CONSTRUCTION DETAILS: ASPHALT
ROAD – RESIDENTIAL DEVELOPMENT (>40 UNITS)
ACCESS ROAD TO UNDERCROFT PARKING AREA
CBR > 2%
SCALE 1:20

FOOTPATH CONSTRUCTION
- 63mm SLAB PAVING TO ARCHITECTS SPECIFICATION (I.S. EN 1338).
- 5mm WIDE SAND JOINTS (TO I.S. EN 12620:2002 GF 85 0/1 FINE AGGREGATE).
- 30mm-50mm BEDDING COURSE – COMPACTED SAND TO CLAUSE 1107 (BS 7533-PART3).
- 100mm SUB-BASE COURSE – SEMI-DRY CEMENT BOUND MATERIAL CATEGORY 3 (CBM3) TO CLAUSE 1038.



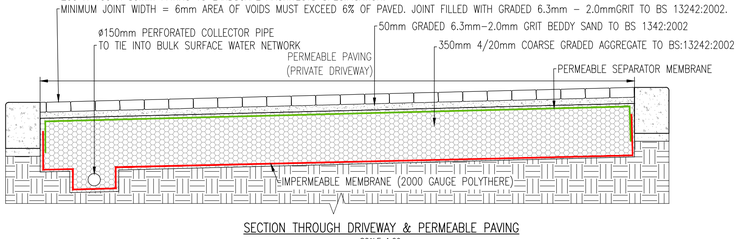
BLOCK PAVING FOOTPATH CONSTRUCTION
SCALE 1:20

FOOTPATH CONSTRUCTION
- 100mm (125mm AT VEHICLE CROSSOVERS) – IN-SITU CONCRETE C30 GRADE (I.S. EN 12620:2002).
- 100mm (175mm AT VEHICLE CROSSOVER WITH REINFORCED A393 MESH) SUB-BASE COURSE – TYPE B CLAUSE 808 GRANULAR MATERIAL (I.S. EN 13285).



IN-SITU FOOTPATH CONSTRUCTION
SCALE 1:20

200 X 100 X 80mm PAVING TO LANDSCAPE ARCHITECTS SPECIFICATION.
MINIMUM JOINT WIDTH = 6mm AREA OF VOIDS MUST EXCEED 6% OF PAVED. JOINT FILLED WITH GRADED 6.3mm – 2.0mmGRIT TO BS 13242:2002.



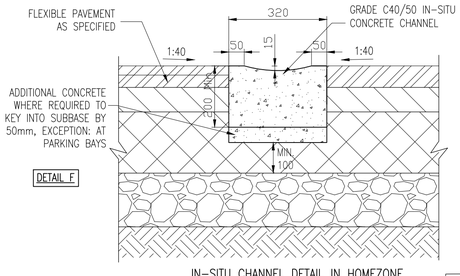
SECTION THROUGH DRIVEWAY & PERMEABLE PAVING
SCALE 1:20

TABLE 1:SUB-BASE & CAPPING DEPTHS BASED ON CBR VALUE

EXISTING FORMATION CBR		<2.0	2	3	4	5
STANDARD CONSTRUCTION	DEPTH OF SUB-BASE (mm)		150	150	150	150
	DEPTH OF CAPPING (mm)	REQUIRES SPECIAL TREATMENT	450	350	300	250
INCREASE DEPTH OF TYPE 1 SUB-BASE AND EXCLUDE CAPPING		-	–	325	300	250

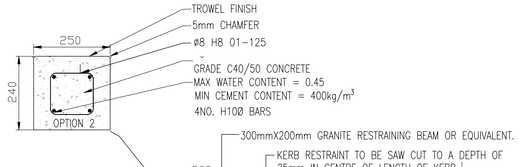
NOTE:- CAPPING LAYER THICKNESS
ADDITIONAL TESTS TO BE CARRIED OUT BY THE CONTRACTOR TO BE TAKEN AT A RATE AGREED WITH THE ENGINEER BUT NOT LESS THAN 1 PER 50m.
ALL C.B.R. RESULTS TO BE SUBMITTED TO THE ENGINEER PRIOR TO LAYING SUB-BASE FOR APPROVAL.
ASSUMED CAPPING LAYER THICKNESS FOR CONSTRUCTION 350mm.

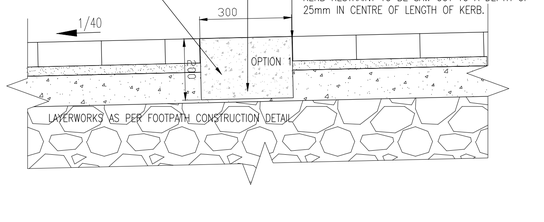
NOTE:- ROAD SUB-BASE THICKNESS
MINIMUM THICKNESS OF NON-FROST SUSCEPTIBLE SUB-BASE IS SHOWN IN TABLE1, ABOVE. C.B.R. TESTS TO BE TAKEN AT A RATE AGREED WITH THE ENGINEER BUT NOT LESS THAN 1 PER 50m. ALL C.B.R. RESULTS TO BE SUBMITTED TO THE ENGINEER PRIOR TO LAYING SUB-BASE FOR APPROVAL.



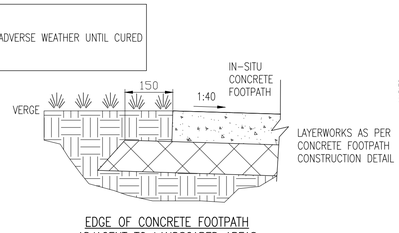
IN-SITU CHANNEL DETAIL IN HOMEZONE
SCALE 1:10

NOTE:
1. U3 CONCRETE FINISH INSITU
2. CONCRETE KERBS SHALL COMPLY WITH THE RECOMMENDATIONS OF BS 5931 AND SHALL BE PROTECTED FROM ADVERSE WEATHER UNTIL CURED
3. EXPANSION AND CONSTRUCTION JOINTS IN KERB TO MATCH JOINTS IN ROADS AND FOOTWAYS
4. ALL ROAD WORKS TO BE TO DUBLIN CITY COUNCIL STANDARDS FOR TAKING IN CHARGE.

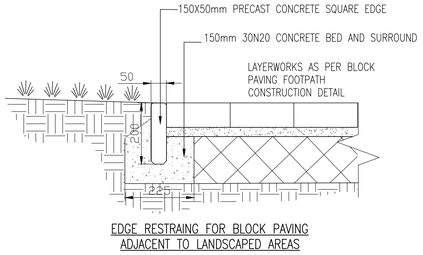




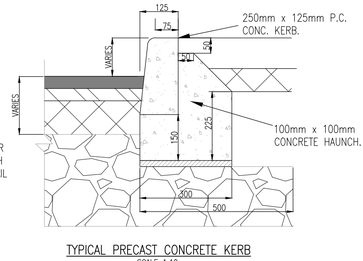
INSITU RESTRAINING DETAIL WITHIN PAVED ROADS SET AT APPROX.
5m (MAX. 7m) CENTRES LONGITUDINALLY
SCALE 1:10



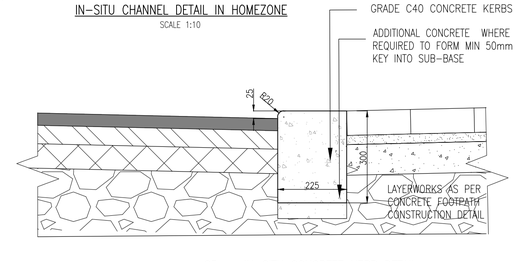
EDGE OF CONCRETE FOOTPATH
ADJACENT TO LANDSCAPED AREAS
SCALE 1:10



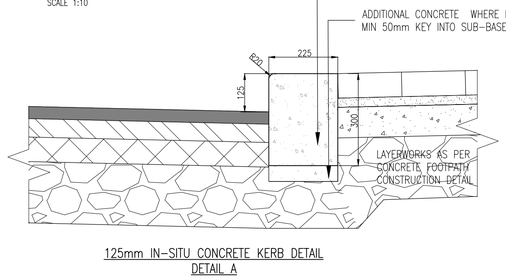
EDGE RESTRAING FOR BLOCK PAVING
ADJACENT TO LANDSCAPED AREAS
SCALE 1:10



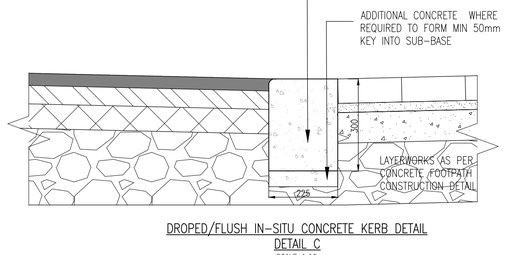
TYPICAL PRECAST CONCRETE KERB
SCALE 1:10



25mm IN-SITU CONCRETE KERB DETAIL
DETAIL B
SCALE 1:10



125mm IN-SITU CONCRETE KERB DETAIL
DETAIL A
SCALE 1:10



DROPED/FLUSH IN-SITU CONCRETE KERB DETAIL
DETAIL C
SCALE 1:10

Rev	Date	Description	By	Chk
P01	14/09/26	ISSUED FOR PLANNING	IG	IW

Amendments

Project
CHERRY ORCHARD POINT
PHASE 3

Title
PROPOSED ROAD
CONSTRUCTION DETAILS
SHEET 1 OF 2

Client
LAND DEVELOPMENT AGENCY

waterman moylan
BLOCK S, EASTPOINT BUSINESS PARK, ALFIE BYRNE ROAD,
DUBLIN D03 H3F4 IRELAND. Tel: (01) 664 8900
Email: info@waterman-moylan.ie www.waterman-moylan.ie

Status
PLANNING

Designed By	Approved	Waterman Ref
PI	IW	22-010
Drawn By	Date	Scales @ A1
IG	SEPT. 2026	AS SHOWN

Project - Originator - Volume - Level - Type - Role - Number: COP-WMC-PH3 -00- DR- C - P0120
Revision: P01

Drawing Location: N:\Projects\22\22-010 Cherry Orchard - Sites 4 & 5 - C&S\Drawings\Waterman Moylan\Civil\Planning\Phase 3\Autocad Drawings\COP-WMC-PH3-00-DR-C-P0120 - Proposed Typical Road Construction Details - Sheet 1 of 2.dwg
Date: Sep 14, 2026 - 11:10am