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

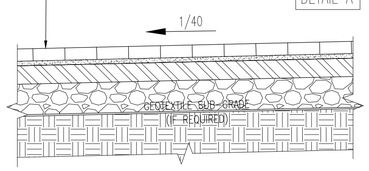
NOTES:

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.

BLOCK PAVING PARKING BAYS

- 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).
- 120mm BITUMINOUS BINDER COURSE – AC 20 HDM BIN 40/60 DES TO CLAUSE 903 ON (I.S. EN 13108–1).
- 200mm 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.

DETAIL A

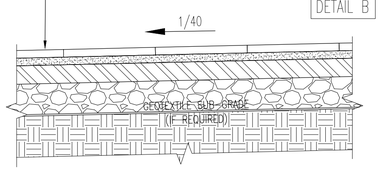


BLOCK PAVING PARKING BAY CONSTRUCTION
CBR > 2%
SCALE 1:20

ROAD SLAB PAVING CONSTRUCTION

- 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).
- 50mm SAND BED (TO BS EN 12620:2002 GF 85 0/4 MP FINE AGGREGATE)
- 120mm BITUMINOUS BINDER COURSE – AC 20 HDM BIN 40/60 DES TO CLAUSE 903 ON (I.S. EN 13108–1).
- 200mm 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.

DETAIL B

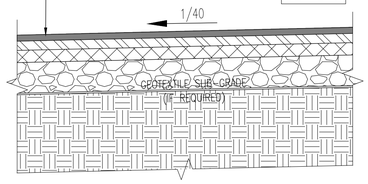


ROAD SLAB PAVING CONSTRUCTION
CBR > 2%
SCALE 1:20

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).
- 80mm BITUMINOUS BASE COURSE – AC 32 HDM BASE 40/60 DES TO CLAUSE 903 ON (I.S. EN 13108–1).
- 200mm 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.

DETAIL C

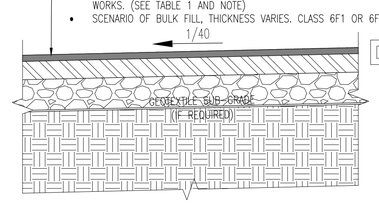


MAIN RESIDENTIAL ROAD CONSTRUCTION (10–40 UNITS)
CBR > 2%
SCALE 1:20

ROAD CONSTRUCTION

- 40mm SURFACE COURSE – PMSMA 10 SURF PMB 65/105–60 DES TO CLAUSE 903 ON (I.S. EN 13108–5).
- 120mm BITUMINOUS BINDER COURSE – AC 20 HDM BIN 40/60 DES TO CLAUSE 903 ON (I.S. EN 13108–1).
- 200mm 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.

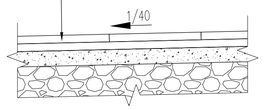
DETAIL D



SIDE RESIDENTIAL ROAD CONSTRUCTION (<10 UNITS)
CBR > 2%
SCALE 1:20

FOOTPATH CONSTRUCTION

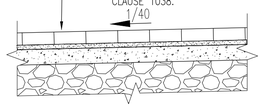
- 63mm SLAB PAVING TO ARCHITECTS SPECIFICATION (I.S. EN 1338).
- 5mm WIDE SAND JOINTS (TO I.S. EN 12620:2002 GF 85 0/1 FINE AGGREGATE).
- 30mm–50mm BEDDING COURSE – COMPACTED SAND TO CLAUSE 1107 (BS 7533–PART3).
- 100mm SUB–BASE COURSE – SEMI–DRY CEMENT BOUND MATERIAL CATEGORY 3 (CBM3) TO CLAUSE 1038.



BLOCK PAVING FOOTPATH CONSTRUCTION
SCALE 1:20

FOOTPATH CONSTRUCTION

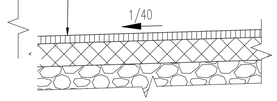
- 80mm BLOCK PAVING TO ARCHITECTS SPECIFICATION (I.S. EN 1338).
- 5mm WIDE SAND JOINTS (TO I.S. EN 12620:2002 GF 85 0/1 FINE AGGREGATE).
- 30mm BEDDING COURSE – COMPACTED SAND TO CLAUSE 1107 (BS 7533–PART3).
- 100mm SUB–BASE COURSE – CEMENT BOUND MATERIAL CATEGORY 3 (CBM3) TO CLAUSE 1038.



BLOCK PAVING FOOTPATH CONSTRUCTION
SCALE 1:20

CYCLE PATH CONSTRUCTION

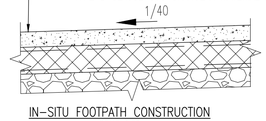
- 50mm SURFACE COURSE – TARMACADAM TO CLAUSE 1105
- 150mm SUB–BASE COURSE – TYPE B CLAUSE 808 GRANULAR MATERIAL (I.S. EN 13285).



TARMACADAM CYCLE PATH CONSTRUCTION
SCALE 1:20

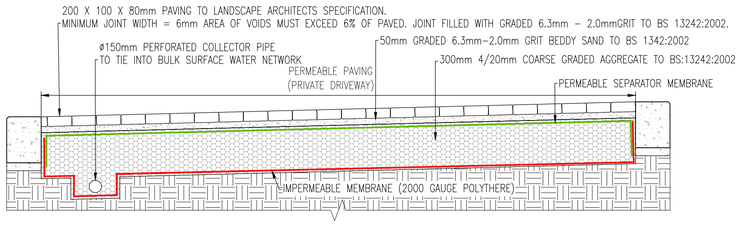
FOOTPATH CONSTRUCTION

- 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.



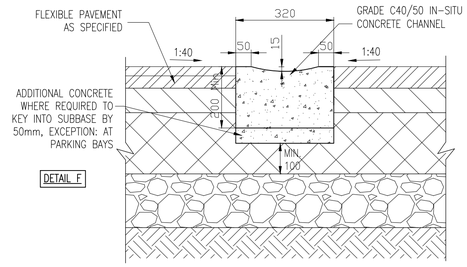
SECTION THROUGH DRIVEWAY & PERMEABLE PAVING
SCALE 1:20

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

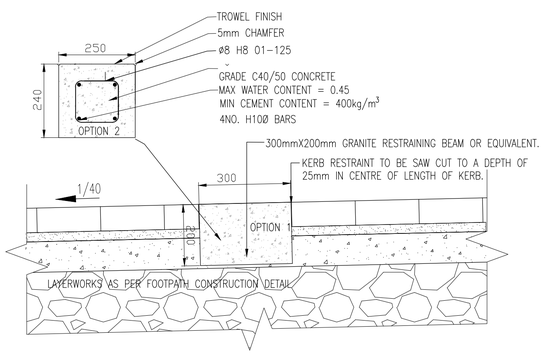
NOTE:– CAPPING LAYER THICKNESS
ADDITIONAL TESTS TO BE CARRIED OUT BY THE CONTRACTOR TO BE TAKEN AT A RATE AGREED WITH THE ENGINEER BUT NOT LESS THAN 1 PER 50m. ALL C.B.R. RESULTS TO BE SUBMITTED TO THE ENGINEER PRIOR TO LAYING SUB–BASE FOR APPROVAL.
ASSUMED CAPPING LAYER THICKNESS FOR CONSTRUCTION 350mm.

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.

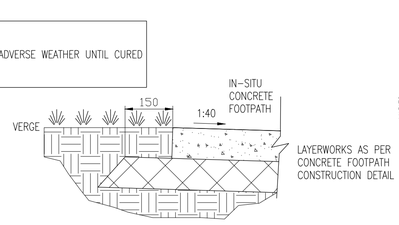


IN–SITU CHANNEL DETAIL IN HOMEZONE
SCALE 1:10

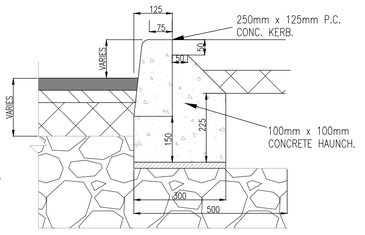
NOTE:
1. U3 CONCRETE FINISH INSITU
2. CONCRETE KERBS SHALL COMPLY WITH THE RECOMMENDATIONS OF BS 5931 AND SHALL BE PROTECTED FROM ADVERSE WEATHER UNTIL CURED
3. EXPANSION AND CONSTRUCTION JOINTS IN KERB TO MATCH JOINTS IN ROADS AND FOOTWAYS
4. ALL ROAD WORKS TO BE TO DUBLIN CITY COUNCIL STANDARDS FOR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



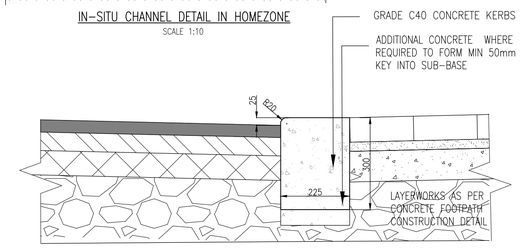
INSITU RESTRAINING DETAIL WITHIN PAVED ROADS SET AT APPROX. 5m (MAX. 7m) CENTRES LONGITUDINALLY
SCALE 1:10



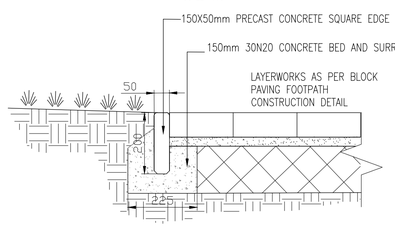
EDGE OF CONCRETE FOOTPATH ADJACENT TO LANDSCAPED AREAS
SCALE 1:10



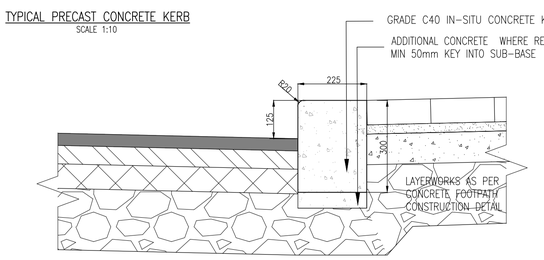
TYPICAL PRECAST CONCRETE KERB
SCALE 1:10



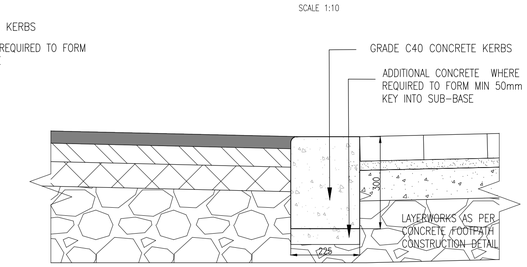
25mm IN–SITU CONCRETE KERB DETAIL
DETAIL B
SCALE 1:10



EDGE RESTRAING FOR BLOCK PAVING ADJACENT TO LANDSCAPED AREAS
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
01	31/01/25	ISSUED FOR PLANNING	IG	IW

Amendments

Project
CHERRY ORCHARD POINT PHASE 2

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	JAN. 2025	AS SHOWN

Project - Originator - Volume - Level - Type - Role - Number: COP-WMC-PH2-00-DR-P-0120
Revision: 01