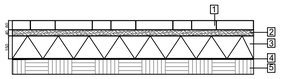
Decorative Inserts - Concrete Unit Block Paving
Scale 1:20 — D01 01

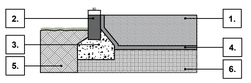


Decorative Inserts, Unit Block Paving - Pedestrian Use

1. Unit block paving - Kilsaran Newgrange or equal, black colour, supplied in 3 sizes: 240x160/160x160/120x160x80mm, with 2 - 5mm joints filled with sharp sand
1. Compacted naturally occuring sharp sand or 2-6mm crushed stone grit laying course
2. Well compacted Clause 804 stone to falls/crossfalls required
3. Geotextile layer (Terram or similar & approved)
4. Well compacted sub grade to appropriate level & profile to engineers approval

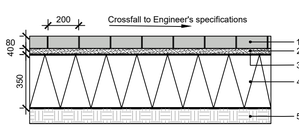
NOTE:
a. Paving surfacing to be layed in accordance with BS 7533 : 4 : 2006
b. All drawings are to be read in conjunction with contract specifications

Raised PC Concrete Block edging for Play Area
Scale 1:20 — D02 01



1. Play Bark Surface to BS 1177. Top of kerb and bark to be flush (tolerance +0mm-5mm). Depth of 200 mm, with increase in depth to accord with Play Equipment Supplier's recommendations in relation to Critical Fall height (CFH).
2. Raised Precast Concrete Block Edging laid on edge and hauched in concrete footing. Sizes: 240 x 160 x 80 mm; 100 mm upstand from Finished Ground Level.
3. Concrete haunching to secure block
4. 25 mm Geotextile membrane. Supplier: Terram, Product: Non-woven membrane layer T1000 to BS 8661;
5. Good quality topsoil
6. Compacted subgrade

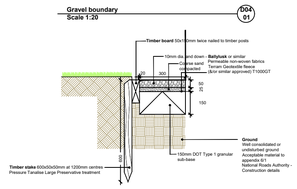
Permeable Concrete Block Paving
Scale 1:20 — D03 01



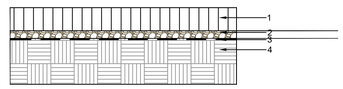
1. Permeable Concrete Block, dim. 200x100x80mm - paving with 2/5mm joints filled with sharp sand;
2. Compacted naturally occurring sharp sand or 2-6mm crushed stone grit laying course;
3. Geotextile layer (bottom layer required when paving is within 5m of building);
4. Well compacted Clause 804 stone to falls/crossfalls required, 2/4mm gravel;
5. Well compacted sub grade to appropriate (level & profile to engineers approval).

NOTE:
a. Paving surfacing to be layed in accordance with BS 7533 : 4 : 2006;
b. All drawings are to be read in conjunction with contract specifications;
c. Tolerances, Falls & crossfalls are detailed in the specifications;
d. Paving to be layed in stretcher pattern.

Gravel boundary
Scale 1:20 — D04 01

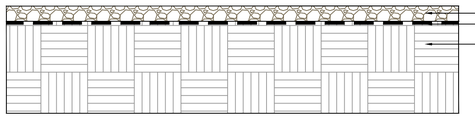


Grasscrete structure
Scale 1:20 — D05 01



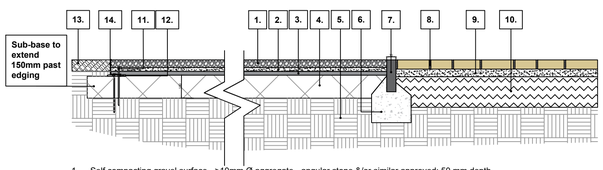
1. 150 mm in-situ reinforced concrete structure with grassplanting grasscrete.
2. 50mm depth layer of 8-14mm Glenview Lite Gold Gravel or similiar approved
3. Heavy Duty Separation Geotextile; Plantex or similiar
4. Compacted Subgrade

Typical Gravel Surface
Scale 1:10 — D06 01



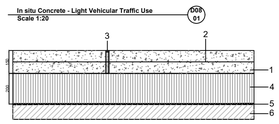
1. 50mm depth layer of 8-14mm Glenview Lite Gold Gravel or similar approved
2. Heavy Duty Separation Geotextile; Plantex or similiar
3. Compacted Subgrade

Self Compacting Gravel Surface & Precast Concrete Block Paving
Scale 1:20 — D07 01



1. Self compacting gravel surface - >10mm Ø aggregate - angular stone &/or similar approved; 50 mm depth.
2. Coarse sand compacted;
3. 25 mm Geotextile membrane. Supplier: Terram, Product: Non-woven membrane layer T1000 to BS 8661;
4. 150mm min. well compacted Sub-Base Clause 804 stone, as per appointed Engineer's details and specifications.
5. Well compacted sub grade;
6. Concrete haunching to secure kerb.
7. Flush kerb. *In situ* concrete kerb, Precast concrete block paving; Kilsaran ClimaPave Killeen&/or similar approved, 490x260x70mm;; colour: Slate, or similar approved.
8. Compacted naturally occurring sharp sand or 2-6mm crushed stone grit laying course; 50mm depth. Details and specifications to be reviewed by appointed Engineer.
9. Compacted single size angular stone, with 30% void ratio; 200mm depth. Details and specifications to be reviewed by appointed Engineer
10. Loosened subsoil.
11. Steel spiral Fixing Stake at regular intervals.
12. Sharp sand & cement base to raise and level. Approximately 10mm.
13. Bark mulch to 75mm depth
14. AluExcel-100mm Edging by Kinley and/or similar approved.

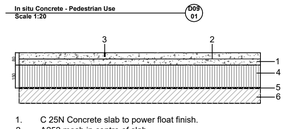
In situ Concrete - Light Vehicular Traffic Use
Scale 1:20 — D08 01



1. C 30N Concrete slab to brush finish.
2. A393 mesh in centre of slab.
3. 20mm expansion/contraction alternate bay construction joint @ 6M centres.
4. Well compacted Clause 804 stone to falls/crossfalls required
5. Geotextile layer (Terram or similar & approved)
6. Well compacted sub grade to appropriate level & profile to engineers approval

NOTE:
a. All drawings are to be read in conjunction with contract specifications
b. Falls & crossfalls are detailed in the specifications
c. A capping layer of granular fill stone may be required when existing ground conditions are determined.

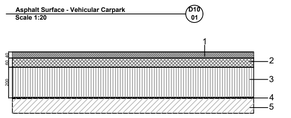
In situ Concrete - Pedestrian Use
Scale 1:20 — D09 01



1. C 25N Concrete slab to power float finish.
2. A252 mesh in centre of slab.
3. Saw cut contraction joints for hairline cracking at 7000mm c/c. Joints to be cut to 25mm below slab level and subsequently filled with appropriate joint sealent.
4. Well compacted Clause 804 stone to falls/crossfalls required
5. Geotextile layer (Terram or similar & approved)
6. Well compacted sub grade to appropriate level & profile to engineers approval

NOTE:
a. All drawings are to be read in conjunction with contract specifications
b. Falls & crossfalls are detailed in the specifications

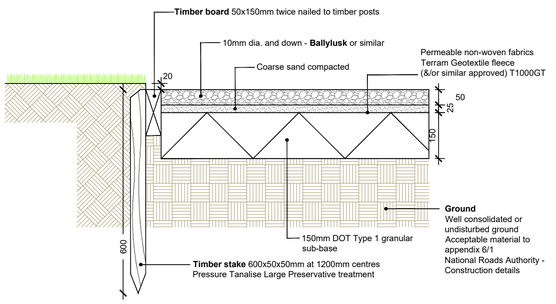
Asphalt Surface - Vehicular Carpark
Scale 1:20 — D10 01



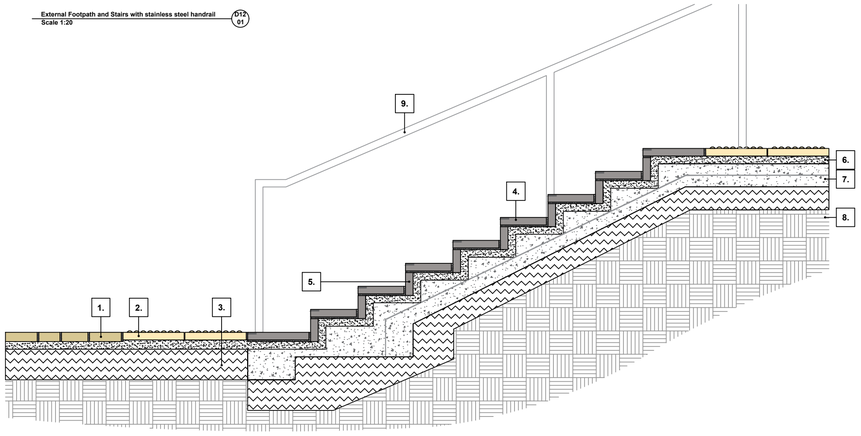
1. 40mm hot rolled asphalt surface wearing course
2. 60mm dense open grade base binder course
3. 200mm well compacted Clause 804 stone to falls/crossfall required
4. Geotextile layer (Terram or similar & approved)
5. Well compacted sub grade to appropriate level & profile to engineers approval

NOTE:
a. Asphalt surfacing to be in accordance with BS 494 1:2005
b. All drawings are to be read in conjunction with contract specifications
c. Falls & crossfalls are detailed in the specifications
d. A capping layer of granular fill stone may be required when existing ground conditions are determined.

Gravel Surface and Grass Edge Intersection
Scale 1:10 — D11 01

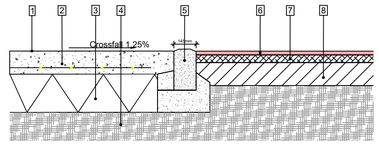


External Footpath and Stairs with stainless steel handrail
Scale 1:20 — D12 01



1. Precast concrete block paving; Tobermore Tegula Trio&/or similar approved, 3 size mix: 208x173x60mm; 173x173x60; 138x173x60).
2. Corduroy tactile concrete flag, or similar approved; dim. 400x400x50 mm.
3. Compacted single size angular stone, with 30% void ratio; 200mm depth. Details and specifications to be reviewed by appointed Engineer.
4. Precast Concrete Step Flag Paving with contrasting noising, Tobermore Mayfair Step Flag &/or similar approved; dim. 600x400x50 mm; textured finish.
5. Concrete step riser; dim. 600x150x50mm; textured finish.
6. Bedding mortar; 50mm depth; Details and specifications to be reviewed by appointed Engineer.
7. Cast *in situ* concrete to clause 1106 (reinforced concrete structure, C30N concrete, 50% GGBS content); 150mm depth. Details and specifications to be reviewed by appointed Engineer.
8. Loosened subsoil.
9. Grade 316L Stainless Steel Handrail; ø 48mm tube, 1000mm height, surface mounted; bright satin finish, or similar approved.

Cross-sectional detail of cycleway and cycleway edging
Scale 1:20 — D13 01

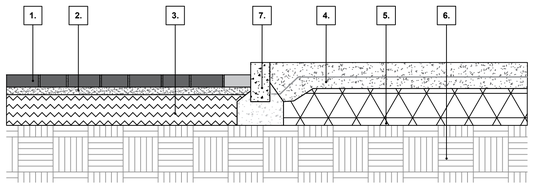


1. Concrete area to have 1.25% crossfall towards surrounding grass areas / away from built
Cast in situ with brushed finish.
2. Concrete paving, C20N, 150mm deep (or 400mm deep where cycle stands are situated) -
brushed finish.
3. Consolidated 804 hardcore 250mm deep.
4. Compacted subgrade.
5. 40x20 Insitu concrete kerb, contrasting colour to adjacent surface
6. 25mm of 10mm DWC, coloured red
7. 50mm of 20mm DBM BS4987
8. Consolidated 804 hardcore 150mm deep.

Note: All to Engineer's Details

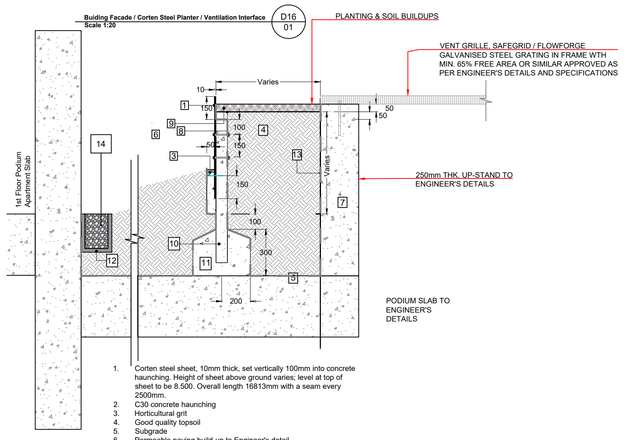
Balustrade Steel & Glass
Scale 1:20 — D14 01

Public Path / Parking
Scale 1:20 — D15 01



1. Permeable Precast Concrete Block Paving, Kilsaran, ClimaPave Newgrange &/or similar approved; dim: 120x160x80 mm and 160x160x80 and 240x160x80 mm; color: Black Granite, Edging to be Silver; grouted and pointed 10 mm joints.
2. Compacted naturally occurring sharp sand or 2-6mm crushed stone grit laying course; 50mm depth. Details and specifications to be reviewed by appointed Engineer.
3. Compacted single size angular stone, with 30% void ratio; 200mm depth. Details and specifications to be reviewed by appointed Engineer.
4. *In-situ* concrete, brushed finish; to appointed Engineer's details and specifications.
5. Buildup compacted 804; 200 mm depth.
6. Compacted ground.
7. Concrete raised kerb

Building Facade / Corten Steel Planter / Ventilation Interface
Scale 1:20 — D16 01



1. Corten steel sheet, 10mm thick, set vertically 100mm into concrete haunching. Height of sheet above ground varies; level at top of sheet to be 8.500. Overall length 16813mm with a seam every 2500mm.
2. C30 concrete haunching
3. Horticultural grit
4. Good quality topsoil
5. Subgrade
6. Permeable paving build-up to Engineer's detail, nom. 200 x 100 ± 50mm x 80mm depth
7. Poured concrete wall by main contractor
8. Weed supression membrane
9. Bark mulch
10. 160 x 75 concrete fence post, (at 1m c/cs) bolted to steel sheet using M.S. zinc plated M8 anti tamper bolts, length: 110mm.
11. Poured concrete foundation.
12. 25 mm Geotextile membrane. Supplier: Terram, Product: Non-woven membrane layer T1000 to BS 8661;
13. 1200 gauge Polythene DPM or other similar and approved waterproof membrane - affixed to wall permanently.
14. Self compacting gravel surface - >10mm Ø aggregate - Ballylusk angular stone &/or similar approved; 250 mm depth.

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REV	DATE	REVISION	DRAWN	CHECKED
A	12/12/22	Planning	IV/CA	CA
0	22/08/22	Sketch	IV	MB

CLIENT
Cairn Homes Properties Ltd.

PROJECT TITLE
Clonburris Urban Core

SHEET TITLE
Typical Construction Details

SHEET NO.	SHEET SIZE
1868_SK_D_01	A1
SCALE	REVISION
As shown	A
STAGE	DATE
Planning	12/12/22