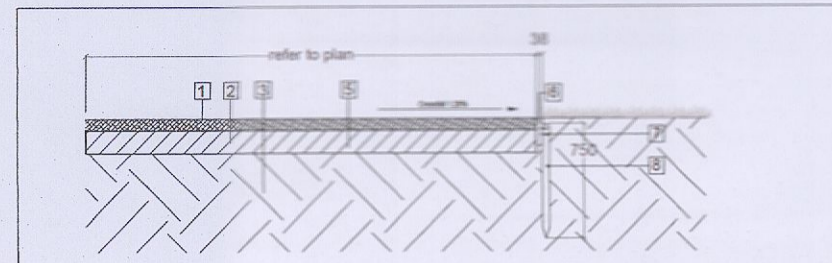


# Hard Landscape Details

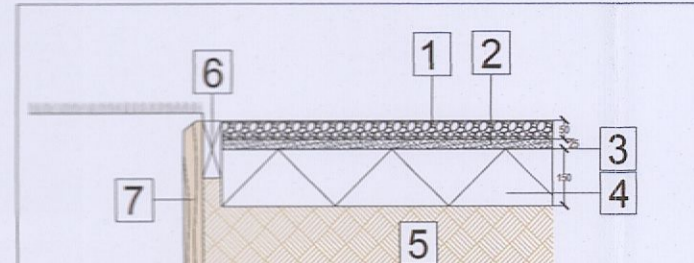
## Paving Details

**D1 Asphalt footpath**  
sc 1:50



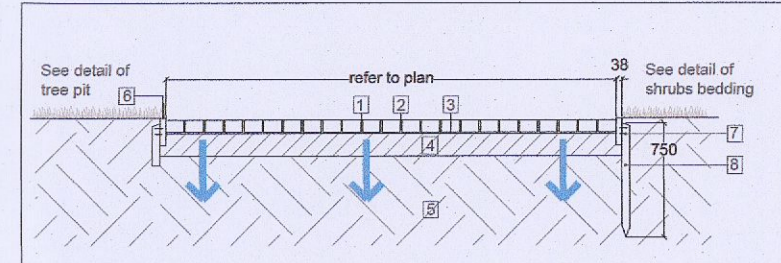
- PERMEABLE PAVING**
- Selected paving blocks
  - 6.3-2mm grit laying course material to BS EN13242:2002. Compaction: In accordance with BS 7533-3. Determine by trial the depth of loose bedding material needed to ensure specified bedding course thickness after final compaction of paving. Nominal thickness after compaction: 70mm
  - Polypropylene, Non-woven
  - 150mm Well compacted Sub-Base clean stone 4/20mm aggregate to BS EN13242:2002
  - Subgrade
- TIMBER EDGE**
- 175 x 38 mm treated timber board (Tanalised larch)
  - 50mm Galvanized nails into softwood pegs
  - 50x20x750 drive into ground treated and pointed pegs

**D2 Gravel Surface**  
sc 1:50



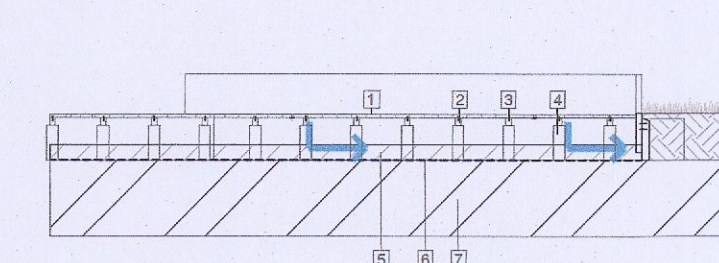
- GRAVEL SURFACE**
- Rolled gravel 10-15mm dia.
  - Coarse sand compacted
  - TERRAM Standard Geotextiles
  - Hardcore well consolidated
  - Compacted ground
- TIMBER EDGE**
- timber board 50x150mm twice nailed to timber posts
  - timber stake 50x50x600mm at 1200mm centres

**D3 Permeable paving**  
sc 1:50



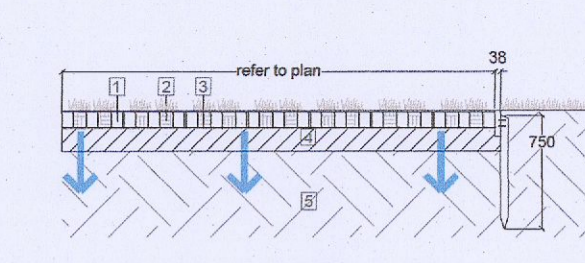
- PERMEABLE PAVING**
- Selected paving blocks
  - 6.3-2mm grit laying course material to BS EN13242:2002. Compaction: In accordance with BS 7533-3. Determine by trial the depth of loose bedding material needed to ensure specified bedding course thickness after final compaction of paving. Nominal thickness after compaction: 70mm
  - Polypropylene, Non-woven
  - 150mm Well compacted Sub-Base clean stone 4/20mm aggregate to BS EN13242:2002
  - Subgrade
- TIMBER EDGE**
- 175 x 38 mm treated timber board (Tanalised larch)
  - 50mm Galvanized nails into softwood pegs
  - 50x20x750 drive into ground treated and pointed pegs

**D4 Composite decking**  
sc 1:50



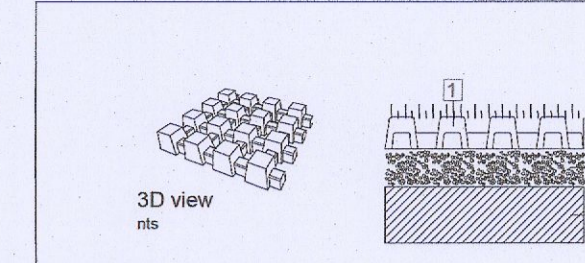
- DECKING**
- WPC Decking Boards (1600 x 140x 23mm)
  - WPC joists (Considering the heat and water absorption WPC products will be slightly inflated so the joist when placed should be reserved 3.5 mm from the building and the spacing between joists should be 25-30mm)
  - Expansion screws with the starter clips
  - WPC post
  - 150mm Well compacted Sub-Base clean stone 4/20mm aggregate to BS EN13242:2002. Compacted thickness: 100-225mm
  - Water proof layout
  - Podium slab

**D5 Grasscrete paving**  
sc 1:50



- GRASSCRETE PAVING**
- Grasscrete concrete block
  - Fill with multipurpose soil textural class to BS 3882
  - Bedding Layer - 10mm grit laying course material to BS EN13242:2002
  - 150mm Well compacted Sub-Base clean stone 4/20mm aggregate to BS EN13242:2002
  - Subgrade

**D6 Reinforced grass system**  
sc 1:50



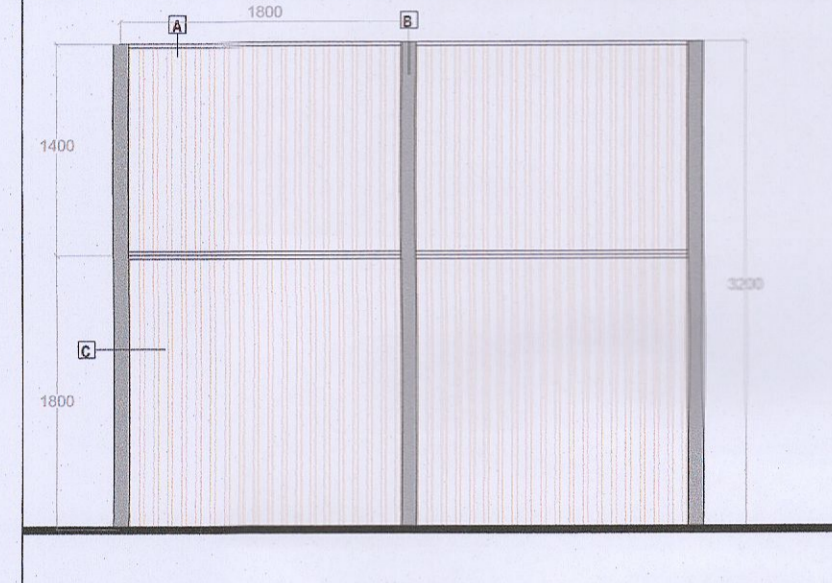
- REINFORCED GRASS SYSTEM**
- Checker Block by Escofel or similar approved, with top soil
  - 50mm compacted sand sub-base layer
  - Undisturbed ground

## Context Plan



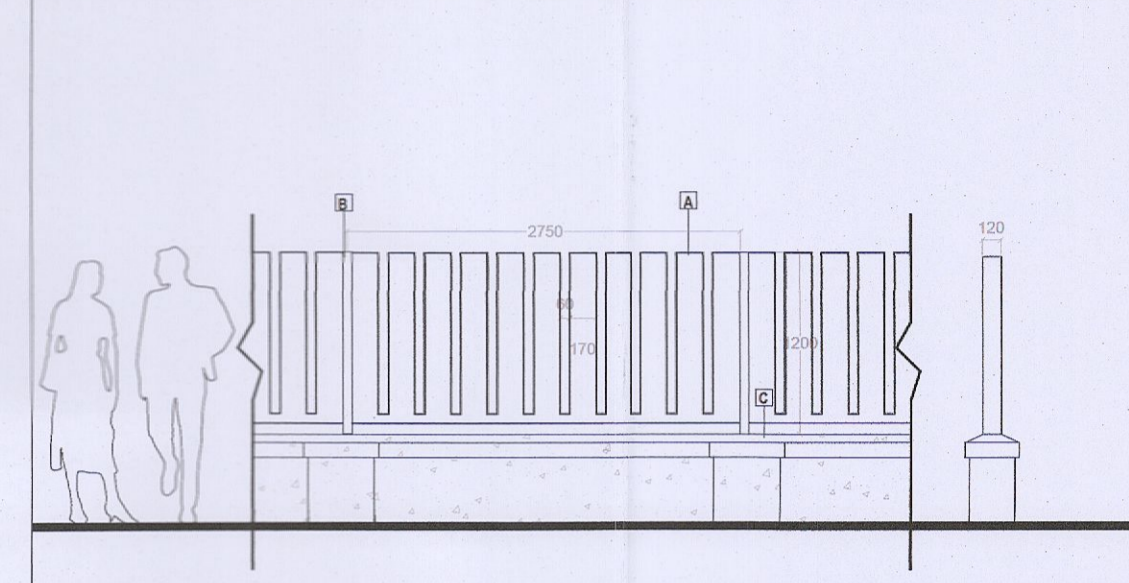
## Boundary Details

**D7 3m High Timber Noise Deflection Fencing**  
sc 1:50



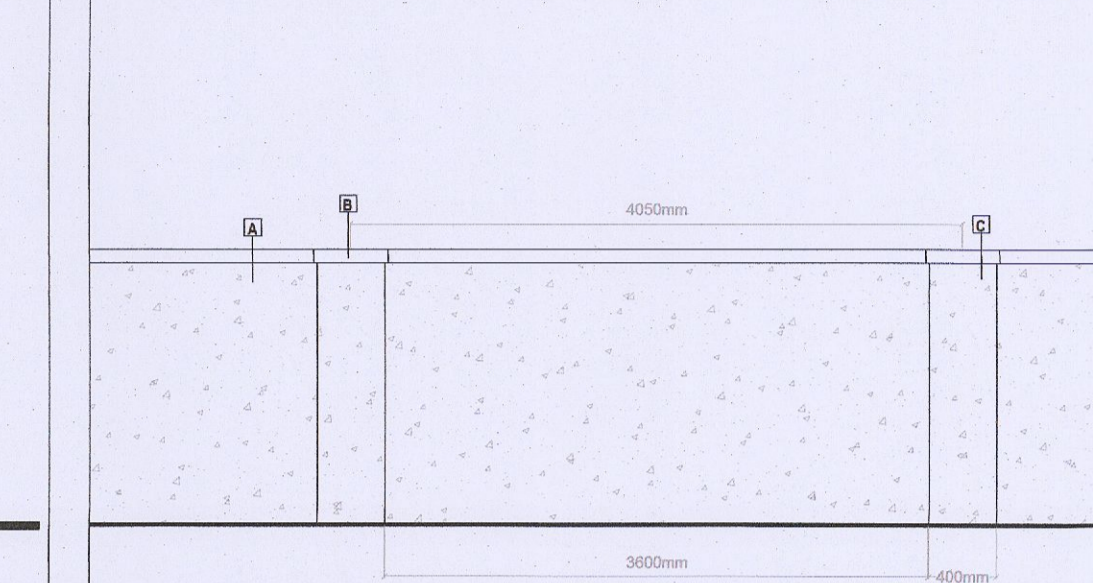
- SCREEN NOISE TIMBER FENCE**
- 1800x1400 timber panels
  - Steel 1" posts, at 1800mm centres
  - 1800x1800 timber panels

**D8 Wall with feature railing**  
sc 1:50



- WALL AND RAILING FENCE**
- Galvanized & power-coated solid bar railing 5mm diameter infill at 120mm centres
  - 80x40x250x4mm mild steel stanchion, cast into concrete base at 2.7m centres
  - Pre-cast concrete coping

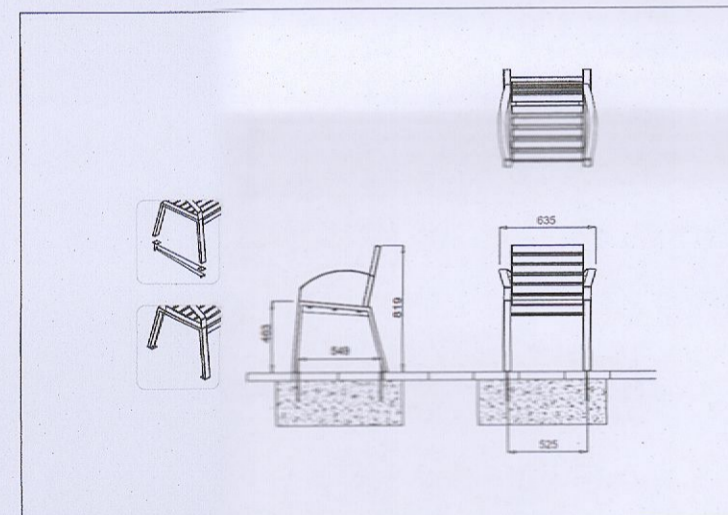
**D9 2m High Block Wall**  
sc 1:50



- WALL**
- White Cement Dashed Finish
  - Concrete Copping
  - 225mm wide wall with 450mm piers at 4050mm centres

## Landscape Features / Furniture Details

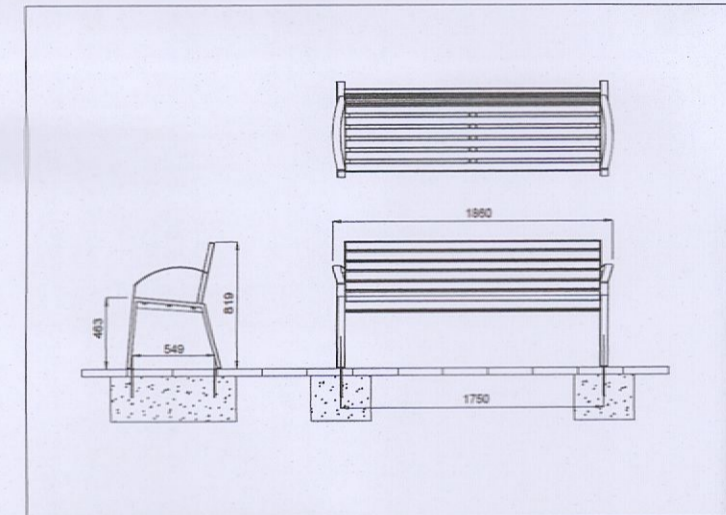
**D10 Individual seat detail**  
sc 1:50



- 5 98.2 Chair - Fixing Instructions**
- Attach the 4 no. fixing brackets with 8 no. M6 SS CSK bolts (provided).
  - Determine the location for the seat. Remove the pavers and excavate a hole.
  - Fill the holes with 35N20 concrete up to 15mm below the level of the underside of the pavers ensuring a good smooth surface finish.
  - Allow sufficient time for the concrete to set then apply a layer of dry sand/cement mix over the pad. Compact and adjust to bring this to the level of the underside of the paving.
  - Replace the paving slabs and ensure that they are well bedded in.
  - Place the chair in the desired location and mark through the fixing holes making sure this is done accurately.
  - Remove the chair and drill through the paving slabs into the concrete pad below. Drill following fixing manufacturer's instructions to suit the chosen fixing. Choose a fixing which will accept an M6 SS button head bolt, either a mechanical anchor (such as Hilti HSC-IR MB40) or an internally threaded fixing designed for chemical fixing (such as Hilti HBS-RN MBXL (length to suit)). IMPORTANT, the depth of the hole must be sufficient to allow the fixing to be fully embedded in the concrete rather than partially in the paver and partially in the concrete.
  - Insert the fixings into the ground following fixing manufacturer's instructions. Reposition the chair and screw in M6 SS button heads into the 4 no. fixings. Where chemical fixing is used (such as Hilti HIT-HY 150) leave sufficient time to cure before. Tighten the bolts.

**Foundations**  
The chair can be fixed directly to a concrete slab or to concrete pads beneath paving stones. Foundations must be to engineer's specification.

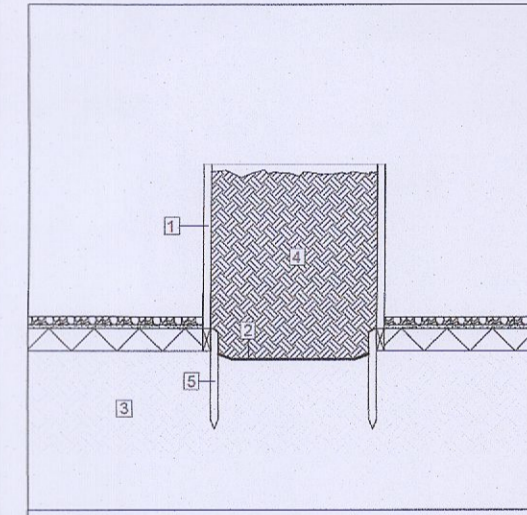
**D11 Bench with back support**  
sc 1:50



- 5 98.2 Bench - Fixing Instructions**
- Attach the 4 no. fixing brackets with 8 no. M6 SS CSK bolts (provided).
  - Determine the location for the seat. Remove the pavers and excavate two holes at centres 1750mm.
  - Fill the holes with 35N20 concrete up to 15mm below the level of the underside of the pavers ensuring a good smooth surface finish.
  - Allow sufficient time for the concrete to set then apply a layer of dry sand/cement mix over the pad. Compact and adjust to bring this to the level of the underside of the paving.
  - Replace the paving slabs and ensure that they are well bedded in.
  - Place the bench in the desired location and mark through the fixing holes making sure this is done accurately.
  - Remove the bench and drill through the paving slabs into the concrete pad below. Drill following fixing manufacturer's instructions to suit the chosen fixing. Choose a fixing which will accept an M6 SS button head bolt, either a mechanical anchor (such as Hilti HSC-IR MB40) or an internally threaded fixing designed for chemical fixing (such as Hilti HBS-RN MBXL (length to suit)). IMPORTANT, the depth of the hole must be sufficient to allow the fixing to be fully embedded in the concrete rather than partially in the paver and partially in the concrete.
  - Insert the fixings into the ground following fixing manufacturer's instructions. Reposition the chair and screw in M6 SS button heads into the 4 no. fixings. Where chemical fixing is used (such as Hilti HIT-HY 150) leave sufficient time to cure before. Tighten the bolts.

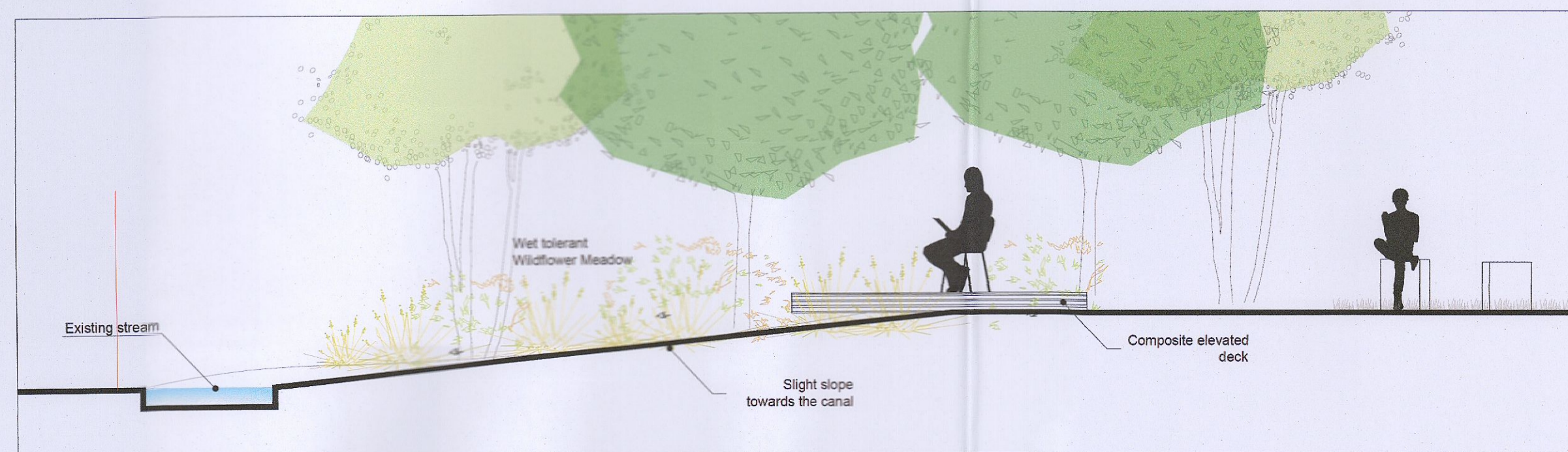
**Foundations**  
The seat can be fixed directly to a concrete slab or to concrete pads beneath paving stones. Foundations must be to engineer's specification.

**D12 Raised timber planters**  
sc 1:50



- RAISED PLANTERS**
- Pressure treated softwood landscape timber
  - Thermally bonded non-woven geotextile membrane
  - Subgrade
  - Good quality topsoil to BS 3882
  - 50x20x750 drive into ground treated and pointed pegs

## Section 1



## Hard Landscape References



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REV DATE	REVISION	DRAWN	CHECKED
G_14/12/2022	Issued for Further Information R.	AP	JG

CLIENT	
Riverside Projects Limited	
PROJECT TITLE	
Tay Lane, Rathcoole Age-Friendly Development	
PROJECT ARCHITECT	
PAC studio architecture + environments	
SHEET TITLE	
Hard Landscape Details	
SHEET NO.	SHEET SIZE
21149_LP_HLD	A1
SCALE	REVISION
As shown	G
STAGE	DATE
Further Information	December 2022