

SCOPE OF WORKS

1. Scope of Works

- 1.1. The project comprises mainly of a car park extension at a leisure centre, plant and tree planting and installation of new timber fencing to suit. There are also works required to widen the entrance from Tickford Street into the Middleton Pool and Fitness Centre and to repaint the double yellow lines down this private road. These works are an add on function, which may not form part of the final works agreed.

2. Car Park Extension

- 2.1. The existing fence is to be removed where the new car park abuts the existing and temporary fencing should be provided during construction works.
- 2.2. The contractor is to allow for the removal of trees, vegetation and cutting back any overhanging branches necessary for the installation of the car park extension and fencing. The proposed area for the car park extension consists of approximately 1400m² of vegetation to be removed, including a 3m strip around the perimeter of the proposed car park. Works are to be undertaken with reference to The Landscape Partnership drawing B15046-101
- 2.3. Site investigate and topographical survey are to be undertaken by the contractor after the removal of vegetation and are to include 3No. CBR tests, 2No. trial pits, a soil report and site levels. On receipt of this information the finalised levels and car park subbase details will be confirmed by the Client's Engineers, Clancy Consulting.
- 2.4. The contractor is to obtain all and any services and utility record drawings prior to undertaking excavation work, but these should only be regarded as an indication of the location of below ground services and should not be considered as being comprehensive. CAT scans must be undertaken prior to excavation. Any damage to existing services and utilities will be for the expense of the contractor to rectify.
- 2.5. The contractor is to provide quotations for two alternative car park finishes. Option A is an insitu concrete grass filled paving system formed on sand blinding and a 150mm thick layer of type 1 material. Option B is a cellular grass filled paving systems formed on 150mm thick type 3 material and geotextile layers. The selected option is to be installed in accordance with details shown on Clancy Consulting drawing 4_5854_02, the project specification and the specific Manufacturer's recommendations. The paving system is to be filled with appropriate topsoil and grass seed mix in accordance with specification.
- 2.6. The contractor is to supply and install thermoplastic white lines and road markings to BS 3262 or equivalent for the new parking bays.
- 2.7. Contractor to refer to The Landscape Partnership drawing B15046-101 for details of tree felling, tree protection, bird/bat box relocation, planting plants, tress etc. for area around the car park.
- 2.8. The contractor is to install new timber fencing to the perimeter of the new car park and reinstate fencing to the existing car park where necessary.

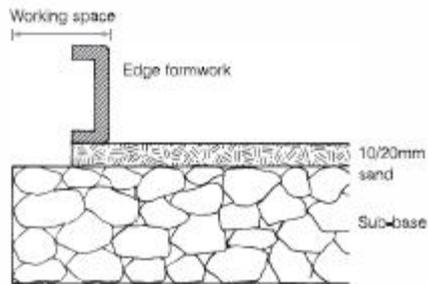
- 2.9. It should be noted that the leisure centre will remain open at all times during the construction works and the existing car park will be in use. The Contractor is to be fully aware of this and ensure that their programme and pricing absorbs any issues this may cause. The Council will not entertain any delays or costs associated with a Tenderer not catering for the premises being in full use during the works.
- 2.10. Refer to Appendix A for Manufacturers installations details for Option A.
- 2.11. Refer to Appendix B for Manufacturers installations details for Option B.

3. Entrance Widening

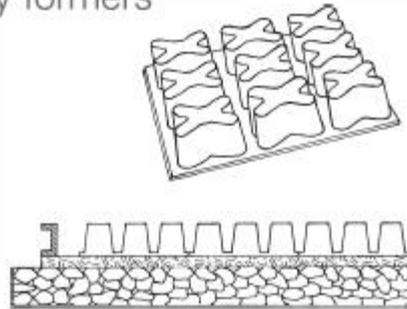
- 3.1. The Contractor is to carry out alterations to the existing entrance at Tickford Street to widen the entry point into the leisure centre.
- 3.2. The works will comprise removing existing kerb line, remove a section of grassed verge (see enclosed marked up plan), replacement of a new kerb line, repairs to road surface and line marking. At the same time the double yellow line running from Tickford Street to the extended car park should also be remarked (Thermoplastic yellow lines and road markings to BS 3262 or equivalent). It will be the contractor's responsibility to ensure suitable traffic management and temporary signage is in place at all times as the leisure centre has only one ingress/egress point and will be in constant use.

installation

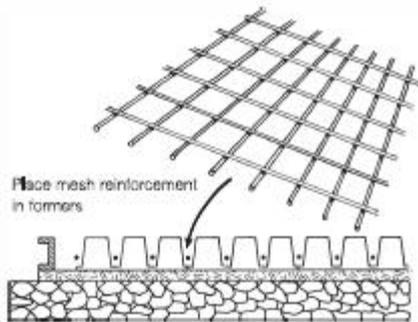
1. Preparation



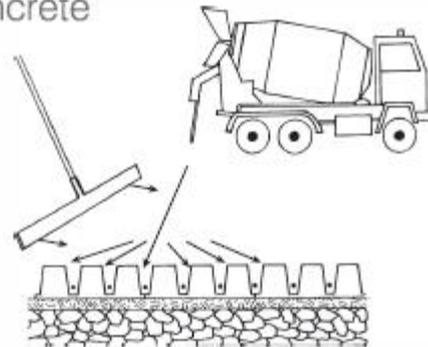
2. Lay formers



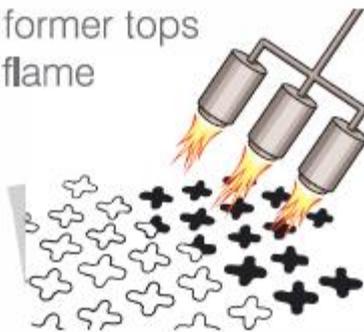
3. Mesh reinforcement



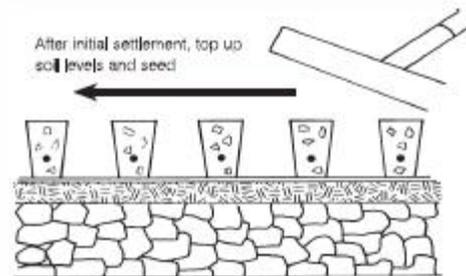
4. Concrete



5. Melt former tops with flame gun



6. Top soil and seed





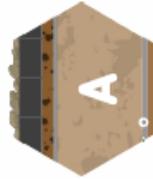
4 STEP Installation Guide



STEP 1 Base Preparation

Following excavation of existing ground, a geotextile layer and/or geogrid should first be laid to create ground stability. To ensure optimum drainage, graded crushed stone, known as Type 3 /Type 1X, should be used as the sub base layer. **MOT Type 1 is not suitable.** Assuming the existing ground is reasonably stable and free draining, a typical base for a car park would comprise of a compacted 150-200mm deep layer of Type 3.

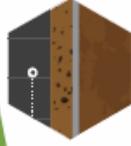
STEP 2 Bedding



A non-woven geotextile should be laid on top of the sub-base to act as a separating layer /weed suppressant. This should then be topped with a 30mm depth of 4-10mm angular stone or grit sand.



An optional geotextile layer should be laid on top of the sub-base to act as a separating layer. This should be topped with a 30mm depth of 4-10mm grit sand or rootzone.



STEP 3 Laying

Park Pavers: Lay the pavers starting in the corner of the site. The female (receiving) edges of the paver units should face forward and away from the working edges. Aligning edges, place the next paver and apply foot pressure to complete connection. Continue laying paver in the desired direction, standing on the laid pavers when laying the next panel.

GF Pavers: Lay the pavers starting in the corner of the site. The lugs on the edge of the pavers should face the direction of installation. Offer the next panel in the same orientation so that the slots slide on to the lugs on the previous panel. Continue laying pavers in the desired direction, standing on the laid pavers when laying the next panel.

STEP 4 Filling



Fill the pavers with free draining hard, angular stone nominal 10-14mm.



Fill the pavers with clean friable topsoil, 60-40 root zone or for optimum results, blended loam. Scrape away any overfill so that the top edges of all cells are visible. Grass seed can be applied to the finished surface or for best results, mixed in with the cell fill before filling.

Suggested grass seed is a mix of 75% perennial ryegrass and 25% creeping red fescue. Turf can also be rolled into pavers. **Please note pavers should not be trafficked until grass is established in situ!**

Flip and Clip

Starting in the corner of the site, turn a panel of pre-connected pavers upside down and lay it on the grass. You can check correct orientation by ensuring that the word "inogreen" (on the flat horizontal bars) appears upside down. Take next panel or pavers, correctly orientate, line up edge with first panel and apply foot pressure to complete connection. Continue laying panels in the desired direction. If required pavers can be easily cut with a saw.

Reduced Dig

1. Remove vegetation and top soil to a depth of approximately 70mm (depending on site conditions at the time). Level surface to + or - 10mm and consolidate well.
2. Roll out the "Mini-Ex" geogrid onto the prepared surface, overlapping joints by at least 200mm, and pin down using Gridforce securing pins.
3. Evenly spread a minimum of 30mm of coarse grit sand over the base geogrid and lightly screed, ensuring that the geogrid is not exposed. Lay the grid and fill according.