



A gently curving retaining wall creates plenty play space for this home in Welgemoed, Western Cape.

From sheer ground to play ground

Create an ideal family garden with the Terraforce Retaining Wall System.

Most homeowners dream of a billiard-table flat property, with plenty of space for children to run and play. For many this will simply not happen, as many sought after family homes are often situated on heavily contoured ground, creating a need for an

extensive retaining wall.

One method that has seen rapid growth in the South Africa over the last few years is the segmental retaining wall (SRW) system. Originating in Germany in the 1960's, SRWs combine the speed of building and relatively low cost benefits of a simple reinforced soil structure with sophisticated aesthetic detailing created by a facing of specially designed concrete masonry units.

In South Africa, the Terraforce Retaining System represents one of the most versatile products available. It allows the scheme designer to incorporate features such as



Plant pokets and creepers add a soft feel



Space for a trampoline and jungel gym

curves, steps and terraces; details that are difficult and costly to construct when using more conventional, in-situ concrete retaining systems. In addition, the blocks are completely reversible, allowing for a round or flat face finish, with an additional rock face option.

When Steve Hegarty purchased his home in Welgemoed, Western Cape, he was faced with a steep slope at the back of his property. He appointed Eddie Kriel, Project Manager for Energy Master Builder, to construct three



Access steps along the side of the house with soft plant cover.

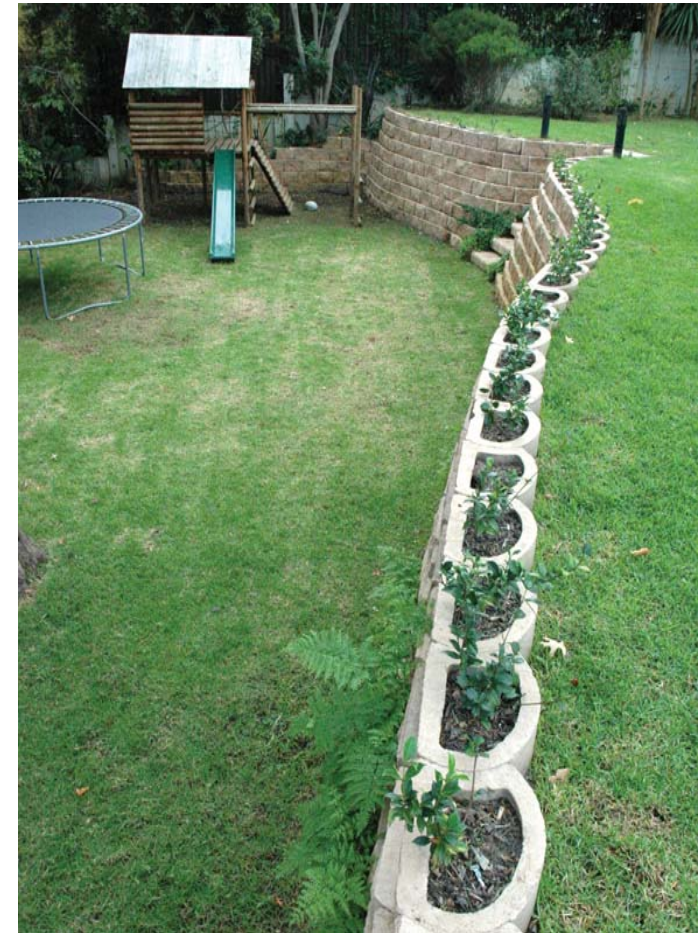
levelled sections in his garden, creating usable play and entertainment areas for his family.

Jeremy Leighton of Decorton Retaining says

the middle retaining wall was designed to maximise as much space as possible: "The Terraforce L12 rock face block retaining wall flows along the contours of the garden and gently curves around existing trees. To connect the top level to the central grassed area, the wall features a wide stairway for comfortable access. Another two access stairs run down both sides of the house, planted with hardy ground cover and creeper type plants."

To allow plants to establish in the blocks, the setback of the blocks is 50 mm deep and two plant pockets are incorporated into the wall adjacent to the stairs. Planted along the top of the wall is *Convolvulus Mauritanicus*, a creeper that softens the wall, while the plant pockets are planted with *Baleria* or 'Purple Prince' to break the overall visual impact of the wall.

In Somerset West, the original garden of a property in Adam Tas Road consisted of a narrow strip of level ground, with the remainder sloping steeply towards the boundary fence, facing the road. For the



owner of the property, Cathy Kilgour, this was not the ideal play area for her growing twin boys and their friends.

To even out the terrain and create more



The Terraforce walls at this home in Somerset West created lots of play space.

usable space, landscaping contractor Magda Kirkham proposed two curved, undulating Terraforce walls that shape the garden into several levels of lush green grass connected by four sets of stairways constructed with the 4x4 Step block.

Says Kirkham: "The design of the garden had to incorporate existing plants - all plants were removed and replanted after the walls were installed by Decorton Retaining Systems - and elements such as the jungle gym, as well as new aspects such as compatibility with soccer & cricket, yet still

make a statement as a feature garden with low maintenance and water wise characteristics.

"We used mass planting of *Trachelospernum Jasminoides* along top terraces for the following reasons: The fragrant flowers and the fact that it's not a rampant grower, yet gives enough height to soften top of the wall, as well as cascading downwards to minimize expanse of the wall. Along the driveway wall we used *Salvia Leucantha* for its extended flower ability and *Miscanthus Sisensis Carberet* (PBR) for contrast. Also,

A pleasing rock face block finish.



Two access stairs connect all the levels



indigenous ferns seeded themselves in the Terraforce blocks along the top wall"

The owners of another property in Gordons Bay, German Nationals domiciled in Luxembourg, wished to transform it into a holiday home for their young family. The site consisted of undeveloped land on a radical slope, consisting of loose rock, rubble and alien vegetation which was totally unusable as a recreational area.



Three Terraforce walls transformed this steep gound into usable space.

To reclaim the land, as a valuable asset, it was decided to provide three level terraces, connected by formal and informal stairways. The terraces were installed with the Terraforce L11 block, with a round face finish, and the Terraforce 4x4 Step Block was installed for the stairways linking each level.

The upper terrace, which is in semi shade, was planted with indigenous shrubs and plants, the middle terrace was grassed as a play area for children and the lower terrace incorporates a swimming pool, with an

adjacent entertainment area.

In order to create the level terraces, 750 cubic meters of fill had to be imported and carted down the mountainside to the site by hand as the slope was too steep for a digger –loader to operate.

300 square meters of walling was required for the retaining walls, again transported by hand, and 95 steps were required to link the terraces.

Two grassed levels for play space.



Connecting stairs between levels.

