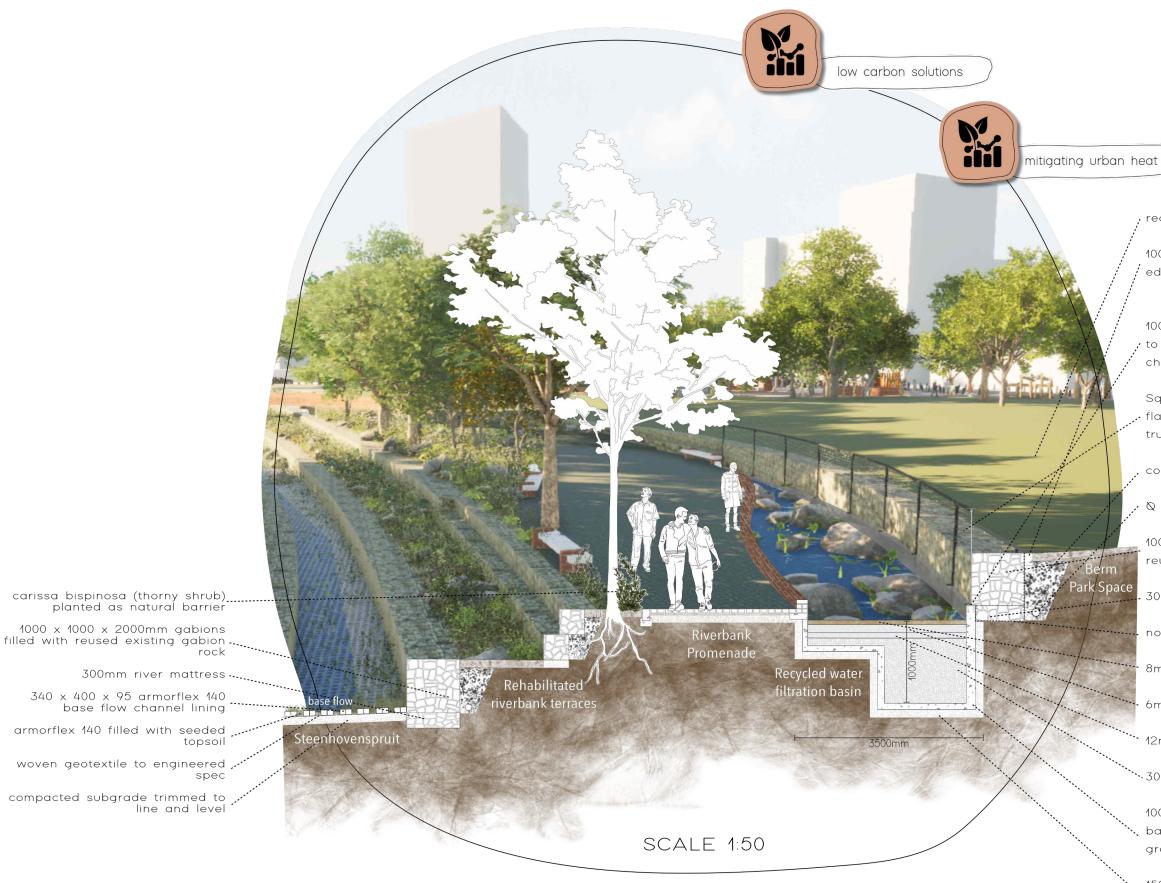




## MATERIALITY AND CONSTRUCTION METHODOLOGY



#### PROMENADE FILTRATION SYSTEM

recreational lawn berm

1000x150x225 precast concrete kerb gabion edging

100x10x2000mm flat bar railing poles welded to base plate anchored into concrete channel wall, spaced at 1,5m

Square galvanised wire mesh fastened to flat bar railing with & 8 x 25mm coarse truss head tek screw

coarse grain material backfill

,  $\otimes$  100mm catch water drain geopipe

1000 x 1000 x 2000mm gabions filled with reused existing gabion rock

300mm river mattress gabion footing

non woven geotextile

8mm granule size topsoil and gravel mix

6mm granule size washed gravel coarse

12mm granule size washed round gravel coarse

·30-60mm granule size cobble coarse

100mm concrete constructed wetland filtration basin with varying depths to prevent algae growth

150mm layer of compacted G5 material to 90% MOD ASSHTO density

# contact with nature LOW MAINTENANCE SCALE 1:15 i le ater level 150mm 150mm 150mm WILDLIFE ATTRACTION 150mm SCALE 1:20 LOW IMPACT SCALE 1:5

#### PROMENADE FILTRATION SYSTEM

to base plate anchored into concrete channel wall, spaced at 1,5m, painted with hammerite metal pain after installation galvanised M20 bolt and nut, painted with hammerite metal pain post installation 1500 x 1000 x 1000 square welded mesh wire railing screen Ø 8 x 25mm coarse truss head tek screw, excessive legnth to be grinded off 1000 x 1000 x 2000mm square welded mesh gabion baskets filled with reused existing channel gabion rock 100x10x2000mm flat bar railing poles welded to base plate, painted with hammerite metal paint after installation 100 x 100 x 10 stainless steel base plate anchored into concrete basin wall with M20 anchor bolts, painted with hammerite metal paint after installation 100mm thick in situ cast basin wall 8mm granule size topsoil and gravel mix -6mm granule size washed gravel coarse 12mm granule size washed round gravel coarse · 30-60mm granule size cobble coarse 100mm in situ cast concrete constructed wetland filtration basin with varying depths to prevent algae growth 150mm layer of compacted G5 material to 90% MOD ASSHTO density

 $60 \times 60 \times 1500$  angle iron railing top, painted with hammerite metal paint after installation

100x10x2000mm flat bar railing poles welded

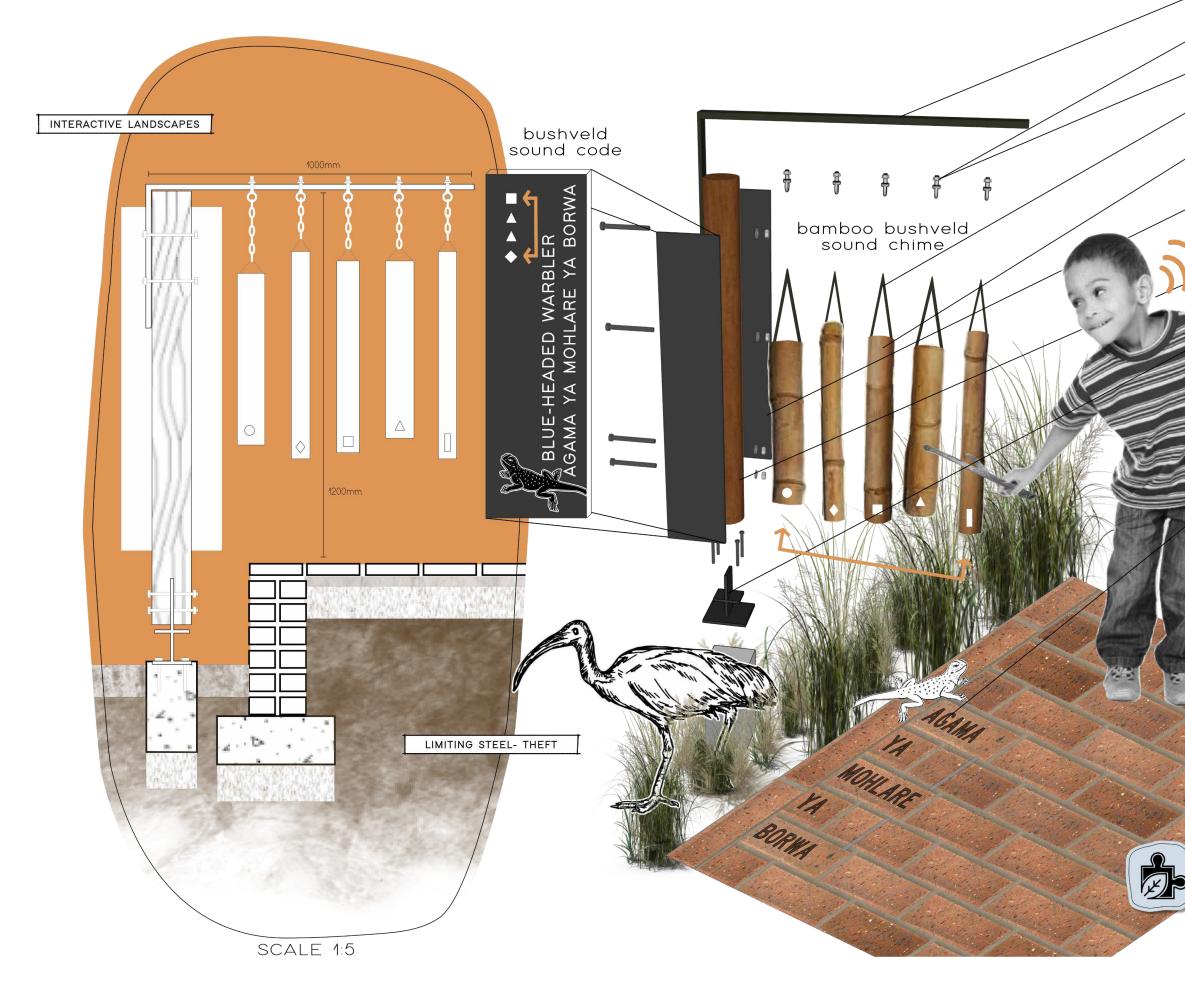


#### MARIKANA THORNVELD LEARN AND PLAY

, marikana thornveld plant material

- , interactive bushveld sounds chime instrument
- 10mm angled flatbar bolted to saligna pole with galvanised M20 bolts
- .. M10 stainless steel eye nut
- ... M10 stainless steel bolt
- stainless steel chain suspending hollow bamboo chimes
- var. sized, hollow bamboo poles selected according to their sounds
- perspex bushveld sounds information boards fastened to saligna pole with
- $\dots$  Ø 120mm saligna treated pole
- 120 x 120 x 200mm galvanised steel post base anchored to 150 x 150 x 300mm concrete footing with galvanised m20 anchor bolts
- .... 220 x 52 x 50mm smartstone piaza paver
- 480 x 480 x 100mm smartstone grassblock filled with seeded topsoil
- --- 20mm bedding sand
- ••• 150mm crusher
- ... 150mm layer of compacted G5 material to 90% MOD ASSHTO density

contact with nature



10mm angled flatbar bolted to saligna pole with galvanised M20 bolts

M10 stainless steel eye nut

. M10 stainless steel bolt

stainless steel chain suspending hollow bamboo chimes

var. sized, hollow bamboo poles selected according to their sounds

perspex bushveld sounds information boards bolted to saligna pole

arnothing 120mm CCA treated saligna pole

120 x 120 x 200mm galvanised steel post base anchored to 150 x 150 x 300mm concrete footing with galvanised m20 anchor bolts

220 x 52 x 50mm smartstone piaza paver

bushveld wildlife animal and plant specie name etched on piaza paver, etching process: sandblast over stencil name cut out

VERNACULAR MATERIALITY

benefitting people and nature

bronze polycarbonate roof sheeting .

100 x 50 x 20 x 3 galvanised lipped channel purlins at 700mm intervals ... fixed to steel I beam

250 x 90 x 16km/m galvanised steal I beam frame bolted to steel column -flat plate

steel flat plate welded to universal .... steel column angled at 2 deg

3000 x 7000 x 50 suspended angle iron frame with community made \*\*\* bamboo mat inlays

© 10mm bamboo rod mats as nbs , shading panel echoing the river vernacular

300mm powder coated universal steel column welded to base plate ``~

600 x 600 x 15 steel base plate anchored to footing with M30 anchor bolts

600 x 600 x 800mm in situ cast concrete footing

URBAN FOOD AND VENDOR PLAZA

SCALE 1:50



50mm precast concrete counter top (4 .... parts mounted and joined on site)

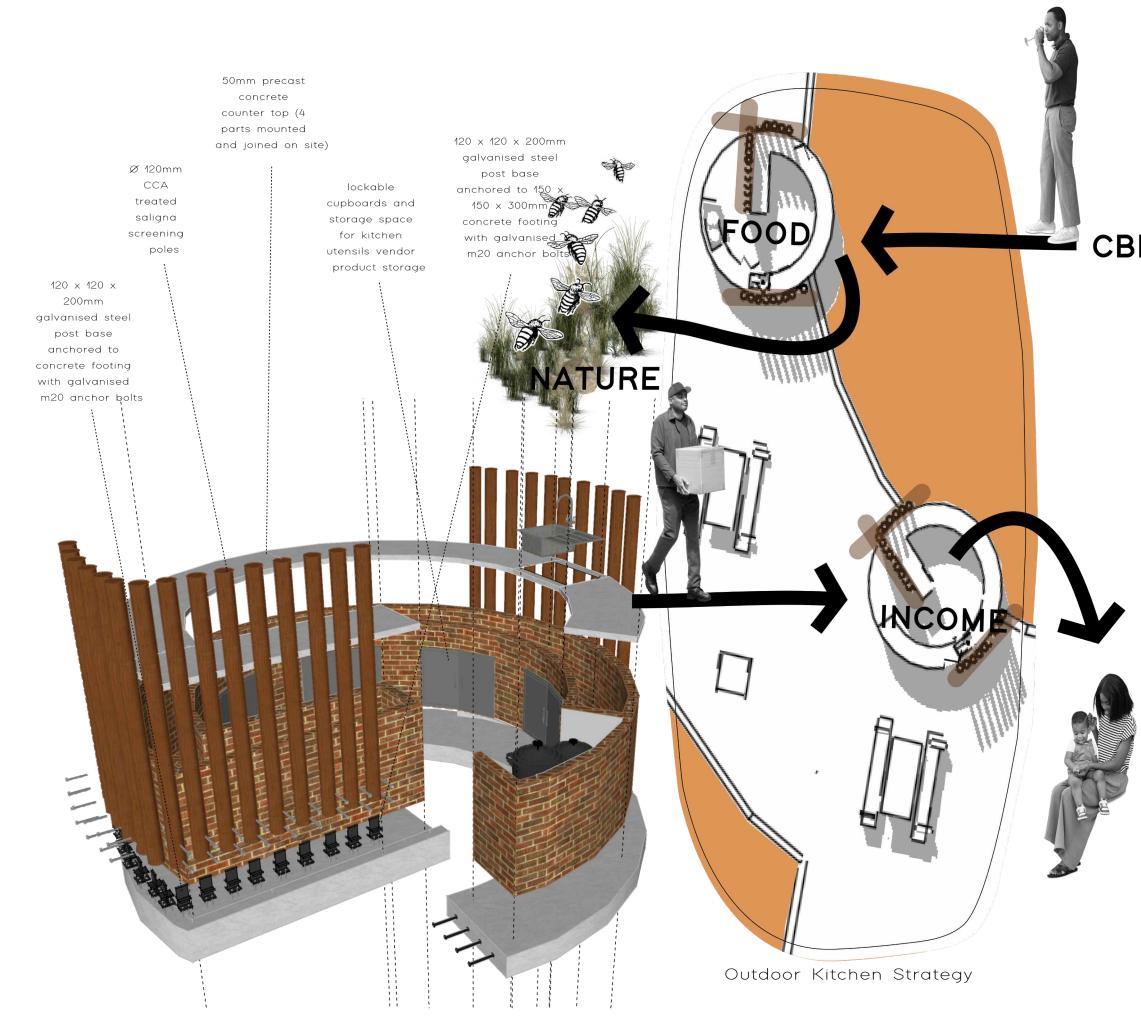
1200mm high single brick red travertine facebrick wall

500mm cavity for lockable cupboards and storage space

Ø 800mm precast concrete tree ring connected to adjacent tree ring by subtly angled pavement channel to capture water and direct towards tree irrigation

... 110 x 110 x 73 victorian cobble paver





CBD



#### MARIKANA THORNVELD LEARN AND PLAY



#### URBAN FOOD AND VENDOR PLAZA



# REHABILITATED RIVERBED | PROMENADE | WATER FILTRATION BASIN



## SHARED STREET WASTE PICKER LANE



#### OUTDOOR WORK AND CHARGE





