

Car park [access road, turning area and parking bays].
a.Excavate base to formation levels 470mm below finished surface levels and arrange offsite disposal of all spoil [462m2 excluding kerb haunchings].
b.Excavate 2no trenches 16m long x 2m wide [at base level] x 1.75m [minimum] below finished surface level in positions shown on the drainage plan with battered sides as shown on Section C.C. Install 2no layers of Polypipe PSM1A geocellular modular water storage crates in each trench [32no per layer, 64no per trench, 128no in total] wrapped in permeable [non-woven] geotextile on 50mm permeable blinding layer. Backfill trenches to top of crates with 20mm clean shingle and cover to formation level with MOT Type 3 sub-base (30% voids).
c.Construct 2no catchpit manhole in positions shown with invert depths of 0.6m (Chamber 1) and 1.5m (Chamber 2).
d.Lay 225mm Polypipe RigiDrain between Chamber 1 & Chamber 2, from Chamber 2 to first SUDS soakaway and as a link between SUDS soakaways [total length 43m]. Drain to be fully bedded and surrounded in 10mm clean shingle.
e.Set 125 x 255mm PCC HB2 kerbs around perimeter of parking bays and turning area [total length including radius kerbs 107m]. Provide sloped dropper kerbs where indicated. Kerbs to be bedded on minimum 150mm deep x 325mm wide GENO [ST1] concrete foundation and haunched to within 50mm of top of back edge. Bottom of battered edge of kerb to be flush with adjacent finished surface.
f.Set 125 x 150mm PCC CS2 channel to separate turning area from parking bays [total length 35m]. Kerbs to be bedded on minimum 150mm deep x 325mm wide Gen 0 [ST1] concrete foundation and haunched to within 75mm of top edges.
g.Install 15no Marshalls Rhino Bollards in positions indicated [12no bollards to be "Anti Ram root fixed" and 3no bollards to be removable].
h.Lay total thickness of 350mm MOT Type 3 clean primary aggregate on non-woven geotextile in properly consolidated 100–150mm thick layers [444m2] to form base for tarmac and brick paver finishes.
i.Lay 90mm thick base course of 20mm SuperDrain asphalt and 30mm wearing course of 6mm SuperDrain asphalt supplied by Aggregate Industries or equivalent product to be agreed with Project Manager [272m2].
j.Lay 60mm thick Brett Omega Flow permeable blocks [or equivalent block subject to approval

of Client] to form finished surface of fourteen parking bays [total area 167m2]. Block colour to be "Charcoal" [unless specified otherwise by Client prior to commencement] and laid on 60mm thick layer of 2–6.3mm clean primary aggregate on non-woven upper geotextile.
Sub-base to be blinded with laying course aggregate prior to laying of upper geotextile. Blocks to be laid in square herringbone pattern which may be compromised at cut edges to avoid creating pieces sized less than 25% of a full block. Finished surface to be compacted and joints fully filled with 1–4mm clean primary aggregate prior to any form of pedestrian of vehicle traffic.
k.Mark corners of parking bays with "T" marks using 100mm wide torch-on white thermoplastic tape. Base of "T" marks to be 400mm wide with 400mm leg measured from end of bay. Mark 2no disabled bays with 800mm x 737mm torch-on white thermoplastic symbols.

Paved area:
a.Excavate base to formation levels 470mm below finished surface levels and arrange offsite disposal of all spoil [206m2 excluding edging haunchings].
b.Set 50 x 150mm PCC edgings [manufactured in accordance with BS EN1340] around perimeter of paved area apart from section of southern edge which abuts the parking bays and is bounded by the back edge of HB1 kerbs [total length 59m]. Edgings to be bedded on minimum 100mm deep x 300mm wide ST4 concrete foundation and haunched to within 50mm of top edges.
c.Lay total thickness of 350mm MOT Type 3 clean primary aggregate on non-woven geotextile in properly consolidated 100–150mm thick layers [201m2] to form base for tarmac and brick paver finishes.
d.Lay 60mm thick Brett Omega Flow permeable blocks [or equivalent block subject to approval of Client] to form finished surface of paved area [total area 201m2]. Block colour to be "Brindle" [unless specified otherwise by Client prior to commencement] and laid on 60mm thick layer of 2–6.3mm clean primary aggregate to BS EN13242:2002 on non-woven upper geotextile membrane. Sub-base to be blinded with laying course aggregate prior to laying of upper geotextile membrane. Blocks to be laid in square herringbone pattern which

may be compromised at cut edges to avoid creating pieces sized less than 25% of a full block. Finished surface to be compacted and joints fully filled with 1–4mm clean primary aggregate prior to any form of pedestrian of vehicle traffic.

Paths:
a.Carry out excavation from natural ground level down to the level of the perimeter path of the MUGA with a 1:3 batter either side of this section of path dressed with 100mm multipurpose topsoil spread with multipurpose grass seed.
b.Carry out reduced level excavation to a minimum depth of 220mm to establish formation levels for 3no paths and arrange offsite disposal of all spoil.
c.Supply and lay up to 50m of 50mm black electrical duct from electric cabinet base to position adjacent to MUGA to be confirmed. Duct to have 450mm cover with warning tape 200mm above top of duct.
d.Set 50 x 150mm PCC edgings to form edges of all paths not bounded by kerbs or edgings allowed for elsewhere [total length 161m]. Edgings to be bedded on minimum 100mm deep x 300mm wide ST4 concrete foundation and haunched to within 50mm of top of back edge.
e.Lay 150mm thick layer of fully compacted Type 1 clean primary aggregate on non-woven geotextile membrane [total area 136m2].
f.Lay and roll 50mm AC 20 dense bin 100/150 blinder course and 20mm AC 6 dense surf 100/150 wearing course [total area 136m2].

Hard and soft landscaping.
a. Erect knee rail fencing [total length 64m] to western side of car park access & turning

area, eastern side of car park access & parking bays and southern side of turning area.
b.Install 7m wide double leaf opening height restrictor in position indicated to limit height of vehicles entering car park to maximum of 2.1m.
c.Reinstall 2no dog waste bins in new positions to be confirmed with mounting posts set in concrete.
d.Form concrete bases for 2no litter bins [1.0m x 1.0m each], 2no benches [1.25m x 2.15m each] and 2no cycle storage areas [2.7m x 5.2m each] in positions indicated.
e.Install 2no 120 litre "Derby Standard" litter bins.
f.Install 2no "Birth Seat" benches.
g.Install 8no Sheffield cycle stands in a set of four on each cycle storage area.
h.Form concrete base to support an electrical enclosure [2.2m x 1.1m] in position adjacent to overhead electrical pole within the site. 150mm C30 concrete reinforced with a single layer of Type A142 mesh with trowelled finish to be laid on 150mm well compacted MOT Type 1 base. Provide 1no 44mm electrical hockey stick in position to be agreed. Edges to be formed with timber edgings which are to be removed after concrete has cured. Note: Client to supply and install electrical enclosure.
i.Lay multipurpose topsoil in areas outside of new paved areas where existing hardstandings and sub-base materials have been removed. Dress existing ground levels as required to finish flush with new kerbs and edgings. Spread general purpose grass seed on freshly laid top soil.

PLAY AREA

Play area:
a.Excavate base to formation levels 200mm below finished surface levels and arrange offsite disposal of all spoil [774m2] excluding edging haunchings].
b.Set 50 x 150mm PCC edgings around perimeter of play area apart from southern edge which has been allowed for in Section 3 [total length 79.5m]. Edgings to be bedded on minimum 100mm deep x 300mm wide ST4 concrete foundation and haunched to within 50mm of top edges.
c.Lay 150mm AcoDrain with galvanised steel gratings on 100mm deep ST4 concrete foundation and haunching to within 50mm of top edge [total length 35m]. Form connection to Chamber 1 constructed in Section 2 above.
d.Lay total thickness of 160mm MOT Type 1 clean primary aggregate on non-woven geotextile in properly consolidated layers [765m2] to form base for safety surfacing.

Excavate 2no trenches 16m long x 2m wide [at base level] x 1.75m [minimum] below finished surface level in positions shown on the drainage plan with battered sides as shown on Section C.C. Install 2no layers of Polypipe PSM1A geocellular modular water storage crates in each trench [32no per layer, 64no per trench, 128no in total] wrapped in permeable [non-woven] geotextile on 50mm permeable blinding layer. Backfill trenches to top of crates with 20mm clean shingle and cover to formation level with MOT Type 3 sub-base (30% voids).

Paved Area

Parking Bays

Turning Area

Existing pre-school play area to be retained

Existing pre-school play area to be retained

Key:
Application site boundary
Root protection zone boundary
Existing level
Proposed level

Removals:
a.Remove 2no dog waste bins and set aside for installation in new positions to be confirmed.
b.Remove all metal panels, metal posts and foundations forming the perimeter fence around existing play area and arrange offsite disposal.
c.Ensure 2no benches located between trees T2 & T3 and T3 & T4 behind hedge on boundary with Copthorne Bank are protected for the duration of the work.
d.Remove two memorial benches and set aside pending instructions from Client on what will be done with them [one is located within existing play area and the

other is against the eastern boundary hedge]. Break out the concrete base and hardcore beneath the bench on the eastern boundary.
e.Remove bench located between trees T4 and T5 behind hedge on boundary with Copthorne Bank, 5no benches within existing play area and 3no litter bins within the site and arrange offsite disposal.
f.Remove swing and foundations and arrange offsite disposal.
g.Break out tarmac path from eastern pedestrian entrance onto Copthorne Bank to existing play area, excavate all sub-base materials and arrange offsite disposal. All work to be carried out in accordance with the tree protection plan within the root protection zones of T1 & T2.
h.Remove gates, gate posts and foundations from

western and eastern pedestrian entrances from Copthorne Bank and arrange offsite disposal. Break out posts and foundations to a minimum depth of 150mm below ground level without damaging surfaces outside gates.
i.Break out all safety surfacing and tarmac from existing play area, excavate all sub-base materials and arrange offsite disposal [Contractor to identify a registered waste transfer station prepared to accept the safety surfacing]. All work to be carried out in accordance with the tree protection plan within the root protection zones of T2, T3 & T4.
j.Remove tarmac [approx 45mm thick] from skateboard park, break out edgings & foundations and arrange offsite disposal. Scope MOT Type 1 sub-base [approx 80mm thick] into stockpile for re-use.

Project:
Additional Village Parking, Play Area and MUGA
at
Copthorne Recreation Ground, Copthorne Bank, Copthorne, West Sussex, RH10 3RE

Drawing Title:
External Works Plan

Client:
Worth Parish Council

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Date: **22/04/2025** Drawn: **PB** Rev: **A**

Drg No: **WPC-CP 03** Scale: **1:100 on A1**