

Folkestone Gardens

Preliminary analysis



Approximate pink area suitable for play:
2,800sqm

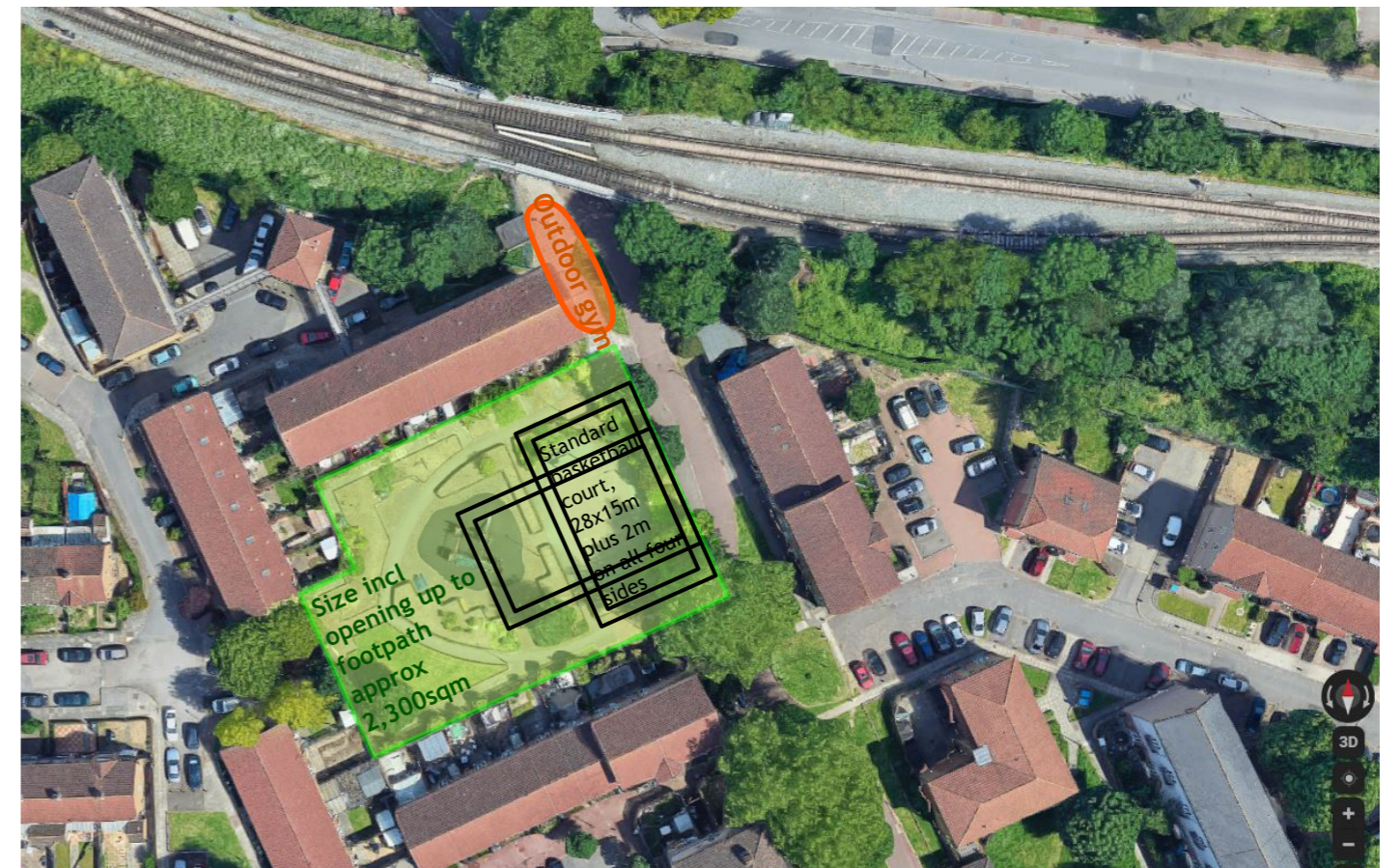
Approximate square meter rate for good
quality playground: £250/sqm

Desirable construction cost: approx
£600,000 plus fees and expenses, inflation
allowance and VAT (if applicable).



Berwick Gardens

Preliminary analysis



Approximate garden size: 2,300sqm
including new tarmac basket ball court
max 32x19m or smaller

Plus external gym, approx 150sqm



Holland Park Playground

Quantitative case study

Holland Park Playground is the largest park in Kensington and Chelsea with large areas of woodland abundant with wildlife. Contained within the park is Kyoto Garden donated by the Chamber of Commerce of Kyoto in 1991.

The design is inspired by two principles of Japanese garden theory: Dry Mountain Water and Borrowing-View. It borrows from the character of the surrounding mature woodlands and maximises the interest and play value of the existing topography.

Together with Robert Bray Associates we explored the use of sustainable drainage to create a playground that comes alive, when it rains. Water is channelled from high level retention basins towards a play valley in the centre of the site.

Erect Architecture designed two signature play structures for the site:

The Hillcoaster which snakes and winds around an between existing trees and the Fishermen's Towers located the start of the play valley which provide a vantage point over the site.

Key data

Client: Royal Borough of Kensington and Chelsea
Location: Holland Park
Completion: July 2019

Design team

Erect Architecture: Lead consultant, Play designer, Principal Designer
Robert Bray Associates: Sustainable drainage and soft landscape
Entuitive: Structural Engineers
Huntley Cartwright: Quantity Surveyor
Children's Play Advisory Service: Play Safety Inspector

Main contractor: Idverde

Quantities and costs

Playground area: 4,100sqm
Total construction cost: £1,100,000
Cost per sqm: £270/sqm

SURFACING

Impact absorbent surfacing: 1,200sqm
* Rubber crumb and Tigermulch

Hard surfacing

* Main pathway resin bound gravel: 480sqm
* Secondary areas CEDEC compacted gravel: 200sqm
* Textured concrete playbank with integrated slides, water fountains, water channels: 250sqm £64,000

SOFT LANDSCAPE

Soft landscape/ planting: 800sqm
Sustainable drainage, wetlands, basins: 650sqm
Area with minimal or no intervention: 500sqm

PLAY STRUCTURES

Hill coaster: £130,000
Type: Large bespoke timber structure

Fishermen's towers with earth domes: £135,000
Type: Large bespoke timber structure

Standing see saw: £7,200
Accessible roundabout: £7,000
Cableway: £6,500
Tarzanswing: £5,400
Ropeswinger: £9,400
Double basket swing: £8,500
Oval play village: £52,000
Forest platform: £20,000
Inground trampoline: £4,700
Various balancing and stepping logs

OTHER STRUCTURES

Boardwalk with benches and handrails: 93sqm
Bespoke benches

MAINTENANCE COSTS

Maintenance cost for first year: approx £6,500 (main contractor's tender submission)

