Birchwood Community Sports and Leisure Hub

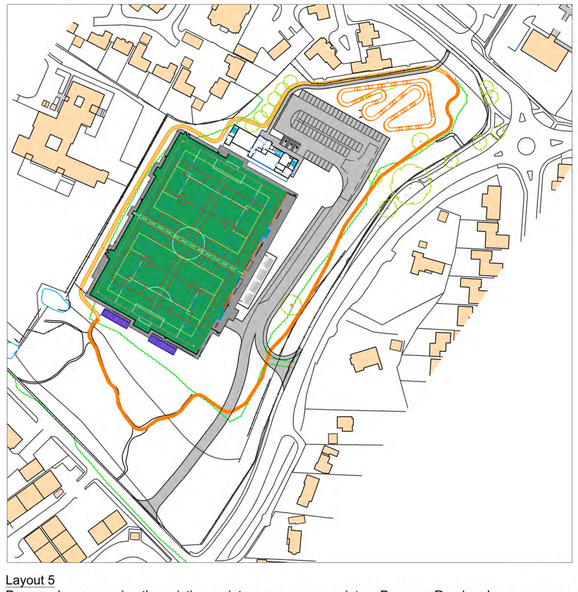
Traffic Management and Roadway Layouts

Layout 1
Proposed access using the existing maintenance access point on Dunmow Road and a new access road towards the top of Dunmow Road.

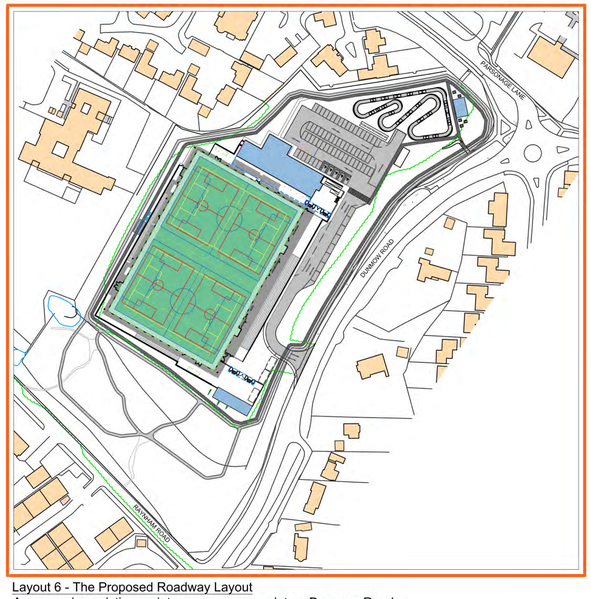
Layout 2
Proposed access using the existing maintenance access point on Dunmow Road and a new access road onto Parsonage Lane.

Layout 3
Proposed new access road on Raynham Road and a new access road onto Parsonage Lane.

Layout 4
Proposed new access road located mid-way along the site on Dunmow Road.



Layout 5
Proposed access using the existing maintenance access point on Dunmow Road and a new access road on Raynham Road



Layout 6 - The Proposed Roadway Layout
Access using existing maintenance access point on Dunmow Road.

The Proposed Roadway Layout

Layout 6 is the proposed roadway layout with the entrance into the site utilising the existing maintenance access point along Dunmow Road. The existing access point will be retained and widened to allow for 2-way access into and out of the site. The widening of the access point benefits from good visibility splays along Dunmow Road and will have a minimal effect on the surrounding trees. The existing access point is located away from the Plaw Hatch roundabout to reduce congestion. The proposed roadway on the site benefits from a one way route and includes a 'drop off' zone. The long roadway allows for any queuing traffic to be within the site and to avoid affecting the traffic on the neighbouring roads.

The proposed roadway layout avoids the need for a new access road to be proposed onto Dunmow Road, Parsonage Lane or Raynham Road. The location of a new access road onto Dunmow Road or Parsonage Lane would affect the traffic at Plaw Hatch roundabout and would require the removal of large mature trees. A proposed roadway onto Raynham Road would require the removal of a large number of TPO trees from the woodland and would have a negative effect on the remaining trees surrounding the access due to the increased exposure.

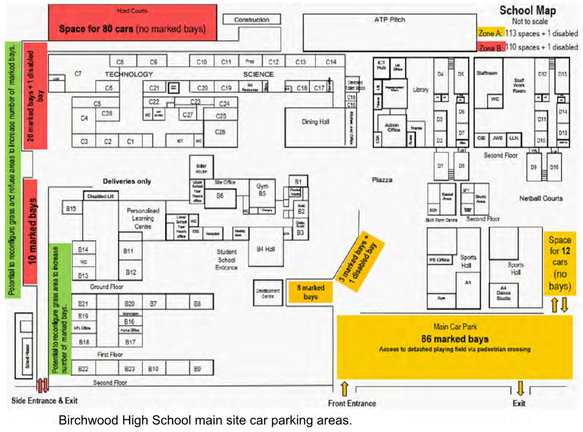
Car Parking

The proposal is aimed at encouraging the use of public transport, cycling and walking to site, with adequate provision for car and coach drop-off as required. 40 cycle racks under shelters are proposed within the carpark. It is anticipated that there will be an increase in people attending football matches via foot or bicycle given that the proposed location is closer to the town centre than the current football ground. The proposal allows for 69 standard cars, 5 disabled along with 5 drop-off/ pick-up spaces. In addition, the school's main site, just across the road from the proposed site, has a main carpark of 98 spaces which will be used when required by the football club to increase the overall capacity to 172 car parking spaces, along with the school's overflow parking to the rear of the school if needed in exceptional circumstances. There is a bus stop located outside the site on Dunmow Road which is well connected to the town centre. In addition, there are proposals for a significant new cycleway linking this part of the town to the rest of the town and beyond to Stansted Airport, which would provide major opportunities for bike use to and from the site. The school intend to utilise the new facilities for Bikeability courses and other schemes to encourage bike use.

With a peak of 86 cars parking at a BSFC home match, the capacity of 172 spaces provides adequate parking without using the overflow parking at the rear of the school. A new sports ground closer to the town centre will enable a greater number of people to walk, cycle and use public transport which is likely to reduce the number of cars.

BSFC Attendance and Parking 2019/2020 Season

	Gate number	Paying cars	Officials	STH	Total Cars
Bognor	307	60	10	6	76
Cheshunt	312	59	10	6	75
Cray	205	43	10	6	59
Potters Bar	157	21	10	6	37
Horsham	302	66	10	6	82
Leatherhead	248	52	10	6	68
Corinthians	189	30	10	6	46
Lewes	219	44	10	6	60
East Thurrock	190	35	10	6	51
Kingstonian	355	66	10	6	82
Bowers	338	66	10	6	82
Margate	277	52	10	6	68
Wingate	240	51	10	6	67
Worthing	181	32	10	6	48
Hornchurch	327	70	10	6	86
Haringey	236	43	10	6	59
Enfield	206	47	10	6	63
Average	252	49	10	6	**65**
Peak					**86**
Available Spaces (New Facility 74 + Spaces at School 98)					**172**



Birchwood High School main site car parking areas.

Construction Traffic

A Construction Traffic Management Plan will be submitted as part of the planning application and this will address the following:

- The construction site access
- Working hours
- Construction vehicle parking
- Site deliveries, unloading and storage
- Site compound security
- Site vehicle types
- Wheel wash facilities
- Dust and noise during construction
- Emission controls for vehicles and plant