SW 0450
CL 9.10
IL 7.11

Public Surface Water Sewer

SW 1451
CL 9.09
IL 7.12

SW 1450
CL 9.12
IL 7.17

SW 2450
CL 8.97
IL 7.33

FWMH 2401
CL 9.00
IL 6.86

Existing Manhole
FW 3405
CL 8.42
IL 6.07

FWMH 3451
CL 8.75
IL 7.57

SW 3451
CL 8.75
IL 7.57

MELROSE AVENUE

EX SW 3452
CL 8.43
IL 7.50

Existing Manhole
SW 4450
CL 8.66
IL 7.78

Surface water rising main connecting to this manhole. Discharge by gravity beyond this point

Surface Water pump station

Hydrobrake Flow Control
restricted to a discharge of 50l/s. Greater discharges of surface runoff will back up within the cellular attenuation tank

Cellular attenuation tank (360m³)
This has been sized to cater for the 30yr storm with additional flood volumes up to the 100yr+20% overflowing to the synthetic sports pitch

Rainwater harvesting
65m³ 10m(L) x 3mØ

Foul rising main connecting to this manhole. Discharge by gravity beyond this point

Foul pump station with 24hr storage of 55m³

GRASS PITCH
Surface water will be conveyed to the gravel trench soakaway by means of slit drains or similar (details to be confirmed)

Gravel Trench soakaway
This soakaway receives discharge from the grass pitch and will also help drain the synthetic sports pitch

PERMEABLE BLOCK PAVING CARPARK
Surface runoff discharges through porous block to permeable sub-base below which acts as a soakaway. This soakaway will also receive additional flows from the netball courts

Permanent netball courts.
Surface runoff discharges through porous surface to permeable sub-base below which acts as a soakaway. In addition perforated pipes will be used to connect to the larger soakaway beneath the permeable paving, see details on drawing 17792-D11

Synthetic sports pitch as overflow flood storage.
This manhole will discharge SW over and above the 30yr storm. The extent to which the synthetic sports pitch will flood up to the 100yr+20% is shown by the thick dashed line

Synthetic sports pitch.
Surface runoff will discharge through the porous surface to the permeable sub-base below which will act as a soakaway. The gravel trench soakaway will also help with discharging surface runoff.

1:80 fall towards perimeter

Temporary netball courts.
Surface runoff discharges to perimeter gravel trench and to permeable sub-base below which acts as a soakaway. This sub-base can be used for the permanent sub-base to the synthetic turf pitch. See drawing 17792-D12

1:80 fall towards perimeter

L Twr L Twr L Twr L Twr

Notes :

1. This Drawing is to be read in conjunction with all relevant Architect's Engineer's and specialists' drawings and specifications.
2. Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale this bar should be 50mm long @ A1 or 25mm long @ A3.
3. Health & Safety :
   All specific drawing notes are to be read in conjunction with the project "Information Pack" and "Site Rules".
4. Manhole positions and pipe locations are indicative and will need to be worked up following receipt of SVP and RWP positions

Surface Water Drainage notes

- This option creates a new connection to the existing public surface water sewer at MH SW 3452
- A pump package is needed to pump up to existing levels.
- The attenuation size of 360m³ is based on a 30yr return period, a restricted flow of 50l/s and caters for all areas of hardstanding, car parks and sports pitches.
- The EA have confirmed that designs need to cater for the 100yr return period +20% for climate change. It is assumed that this additional flood volume is allowed to overflow on to the grass sports pitch and will flood the pitch as ndicated
- This drainage scheme is subject to approval from local authorities.

Foul Drainage Notes

- This option creates a new connection to the existing public foul sewer at MH 3405
- A pump package is needed at to pump up to existing levels.
- 24 hour storage is needed in the order of 55m³.
- This drainage scheme is subject to approval from local authorities.

PRELIMINARY ISSUE

Rev	Date	Drawn	Eng	Amendment
-	18.11.08	EC	EC	Issued for planning

WORTHING COLLEGE

PROPOSED DRAINAGE LAYOUT

Drawn EC	Eng EC
Scales 1:500 at A1	1:1000 at A3
Drawing No 17792-D10	Rev -

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