DO NOT SCALE

NOTES

1. PROPOSED INFRASTRUCTURE LAYOUT SHOWN IS THE STRUCTURE PLAN REV H, RECEIVED 29.09.17
2. PROPOSED ROADS, FEATURE LAYOUT AND CONTOURING ARE INDICATIVE ONLY AND SUBJECT TO DETAILED DESIGN AND TECHNICAL APPROVAL BY LOCAL AUTHORITY HIGHWAYS

LEGEND

- SITE BOUNDARY
- PRIMARY SWALE
- SECONDARY SWALE
- UNDERDRAINED SECONDARY SWALE
- APPROXIMATE HEADWALL LOCATION
- PROPOSED PIPES/CULVERTS (PIPE SIZE TBC AT DETAILED DESIGN STAGE)
- MANHOLE CHAMBER (ASSUMED LOCATION – TBC AT DETAILED DESIGN STAGE)
- SuDS FEATURE/PIPE FLOW DIRECTION
- DEVELOPMENT PARCEL DIRECTION OF DISCHARGE TO MAIN SuDS INFRASTRUCTURE
- TREES/BUSHES TO BE REMOVED (IN ACCORDANCE WITH ARBORICULTURAL REPORT)

PHASING KEY PLAN
not to scale

REV	DATE	BY	DESCRIPTION	CHK
P4	09.08.18	JC	REVISED PLANNING LAYOUT INSERTED	RN
P3	01.02.18	SD	CLIENT COMMENTS INCORPORATED	RN
P2	09.01.18	SD	CLIENT COMMENTS INCORPORATED	RN
P1	26.10.17	SD	FIRST FULL ISSUE FOR PLANNING	RN

DRAWING STATUS: PLANNING

BETTS HYDRO CONSULTING ENGINEERS
Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire, CH5 2LY
Tel: 01244 288178 enquiries@betts-associates.co.uk

PROPERTY CAPITAL

PROJECT: FORMER LEYLAND TEST TRACK LANCASHIRE

TITLE: PRELIMINARY DESIGN SW DRAINAGE STRATEGY [PHASE 2]

DATE:	SCALE @ SIZE:	DRAWN:	CHECKED:
AUG 2017	1:500 @A0	RDN	CP

PROJECT No:	DRAWING No:	REV:
HYD017	102	P4

CUT–LINE – REFER TO INSET A (LEFT) FOR CONTINUATION

CUT–LINE – REFER TO MAIN DRAWING (RIGHT) FOR CONTINUATION

INSET A

62m FORWARD VISIBILITY SPLAY (BASED ON SPEED SURVEY DATA)

A9a 20.50 Ave Total Area = 0.258 ha (@65% imp. = 0.167 ha)

S278 connection location

Connection to on-site Highway infrastructure drainage

3.5m Bridleway

Ditch Diversion

Approx location of private foul 'drag-out' chamber

Approx location of point of adoptable foul sewer.

Midge Hall Meth. Church

Tennis Court

A1a 19.80 Ave Total Area = 0.201 ha (@65% imp. = 0.131 ha)

A1 20.05 (Min FFL) 20.50 (Max FFL) Total Area = 0.733 ha (@65% imp. = 0.476 ha)

A2 20.05 (Min FFL) 20.50 (Max FFL) Total Area = 0.768 ha (@65% imp. = 0.598 ha)

A3 20.05 (Min FFL) 20.50 (Max FFL) Total Area = 0.544 ha (@65% imp. = 0.354 ha)

A4 20.05 (Min FFL) 20.50 (Max FFL) Total Area = 0.614 ha (@65% imp. = 0.399 ha)

A5 20.05 (Min FFL) 20.50 (Max FFL) Total Area = 0.609 ha (@65% imp. = 0.396 ha)

A6 20.05 (Min FFL) 20.50 (Max FFL) Total Area = 0.470 ha (@65% imp. = 0.253 ha)

A7 20.05 (Min FFL) 20.50 (Max FFL) Total Area = 0.553 ha (@65% imp. = 0.360 ha)

A8 20.05 (Min FFL) 20.50 (Max FFL) Total Area = 0.737 ha (@65% imp. = 0.479 ha)

A9 20.05 (Min FFL) 20.50 (Max FFL) Total Area = 0.739 ha (@65% imp. = 0.480 ha)

B2 20.05 (Min FFL) 20.50 (Max FFL) Total Area = 0.996 ha (@65% imp. = 0.648 ha)

B4 20.05 (Min FFL) 20.50 (Max FFL) Total Area = 0.491 ha (@65% imp. = 0.319 ha)

B5 20.05 (Min FFL) 20.50 (Max FFL) Total Area = 0.517 ha (@65% imp. = 0.336 ha)

B6 20.05 (Min FFL) 20.50 (Max FFL) Total Area = 0.992 ha (@65% imp. = 0.645 ha)

OFF-SITE DITCH CONNECTION TO BE CONVEYED THROUGH PROPOSED SuDS DRAINAGE 0.432 HA ASSUMED (20% IMPERMEABILITY OF 2.159 HA)

ASSUMED DITCH CONNECTION FROM NORTH THROUGH PROPOSED SuDS DRAINAGE 0.124 HA ASSUMED (20% IMPERMEABILITY OF 0.621 HA)

OFF SITE CONNECTION TO BE CONVEYED THROUGH PROPOSED SuDS DRAINAGE 0.233 HA ASSUMED (20% IMPERMEABILITY OF 1.165 HA)

POND-B

(Refer to pond detail drawing HYD017/202)

PS1

GG

3.5m Bridleway

Drain Diversion