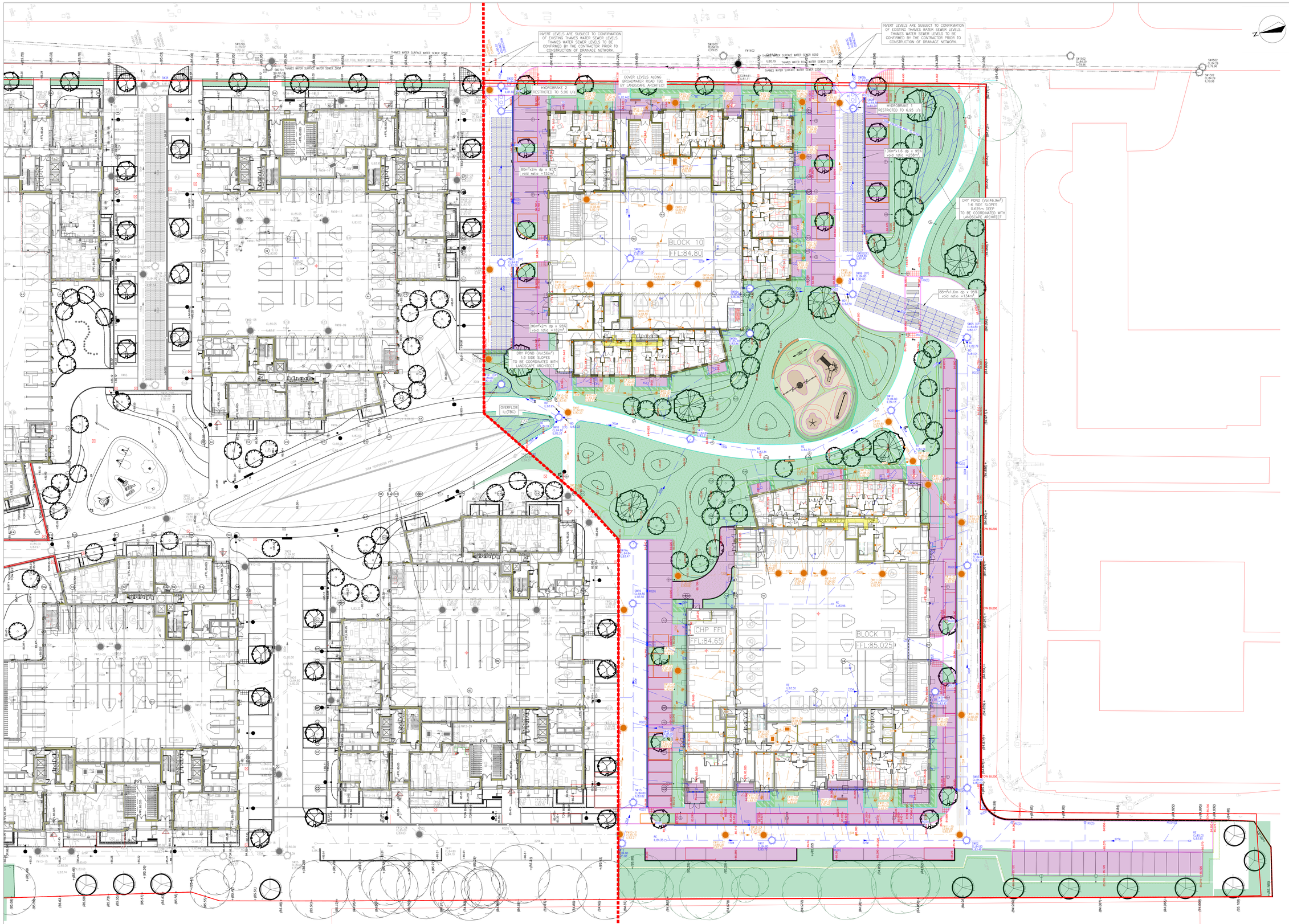

GENERAL NOTES:

1. This drawing is to be read in conjunction with all relevant Architects and Engineers drawings and specifications.
2. Do not scale from this drawing. All details and dimensions and levels are to be checked by the contractor prior to commencement of construction. Any discrepancies are to be reported to the Engineer.
3. All levels are in meters & dimensions in millimeters unless noted otherwise.
4. Design based on topographical survey and CCTV survey information available at the time of design. All existing sewers, connections, pipe sizes and invert levels to be confirmed by contractor prior to commencement of works to ensure connectivity. Any variance from the information shown should be reported to the engineer for review.
5. Where existing drainage is being used, allowances should be made to remediate this drainage in line with available CCTV survey information.
6. Where there is no requirement to keep existing drainage, allowances should be made to abandon this in line with Curtins drainage specification.
7. Any new gully and external surface water inlet positions and associated falls to them are shown indicatively and to be designed set out by the Landscape Architect.
8. Cover levels should be confirmed against Landscape Architects level design. Any discrepancy should be raised and coordinated to the engineer ASAP.
9. All internal drainage points are shown indicatively and are to be designed and set out by the M&E engineer.
10. Any drainage runs and their connections damaged through construction works should be replaced to sufficient standard.
11. Diversion and abandonment of services associated with these designs by others.
12. Lateral connections from internal drain points should be sized to match above ground designs, with minimum size of 100Ø.
13. Infiltration to ground from permeable paving areas to be confirmed by further geo-technical review.
14. Surface water restricted to Greenfield runoff rates. 5 l/s/Ha for total site area of 3.79 Ha equates to 19.86 l/s for the entire site.
15. S106 Application required for new connection to public sewer.
16. Pipe diameter indicative only. Capacity check to be carried out to confirm proposals.
17. Further co-ordination required with Structural Engineers.
18. Root barrier might be required where pipework within tree root protection zone. To be set out and co-ordinated with Landscape Architect.

KEY:

PRIVATE DRAINAGE

- 150Ø — SURFACE WATER DRAIN.
- SW02 CL:28.29 IL:27.88 — PPIC SURFACE WATER CHAMBER.
- SW02 CL:28.29 IL:27.88 — PCC SURFACE WATER CHAMBER.
- SW02 (CP) CL:28.29 IL:27.88 — PCC SURFACE WATER CATCHPIT.
- R — RAIN WATER DOWN PIPE.
- RE — RODDING EYE.
- YG — YARD GULLY, 150Ø OUTLET.
- RG — ROAD GULLY, 150Ø OUTLET.
- SU — SLOT DRAIN AND SUMP/GULLY UNIT.
- RG/CD — DISHED CHANNEL DRAIN AND ROAD GULLY.
- BD — PROPOSED BACKDROP.
- SDS — SDS GEOLIGHT BELOW GROUND SURFACE WATER ATTENUATION STORAGE SYSTEM.
- VENT
- PI — KINGSPAN BYPASS SEPARATOR REF: NSBE010 (TEL: +44(0) 28 3836 4400).
- PROPOSED GREEN AREA.
- PROPOSED PERMEABLE PAVING 450mm TYPE 3.
- 150M — FOUL WATER DRAIN.
- FW03 CL:28.28 IL:27.48 — PPIC FOUL WATER CHAMBER.
- FW03 CL:28.28 IL:27.48 — PCC FOUL WATER CHAMBER.
- BD — BACK DROP.
- SS — STUB STACK.
- SVP — SOIL AND VENT PIPE.
- FG — TRAPPED FOUL GULLY, 100Ø OUTLET.

EXISTING DRAINAGE

- 150Ø — SURFACE WATER DRAIN TO REMAIN.
- 150Ø — FOUL WATER DRAIN TO REMAIN.
- 150Ø — COMBINED DRAIN TO REMAIN.

GENERAL

- 1000mm DEEP GROUND BEAM (BENEATH 300mm SLAB). *ALL OTHER GROUND BEAMS 600mm.
- EXTENTS OF EXISTING RIFLE RANGE.

Rev:	Description:	Date:	By:	Chkd:
T03	STAGE 4 ISSUE	31.10.19	NMH	MS
T02	STAGE 4 REVISED ISSUE	22.03.19	NMH	LG
T01	STAGE 4 ISSUE	15.03.19	NMH	LG

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Status: STAGE 4

Project: SHREDDED WHEAT, METROPOLITAN

Drg Title: PROPOSED DRAINAGE LAYOUT (PHASE 1)

Size:	Date:	Drawn By:	Designed By:	Checked By:
A0	15.03.2019	N.HICKMAN	L.GLAZA	L/GLAZA

Scale: 1:250

Project No:	Originator:	Zone:	Level:	Type:	Discipline:	Category / Number:	Rev:
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