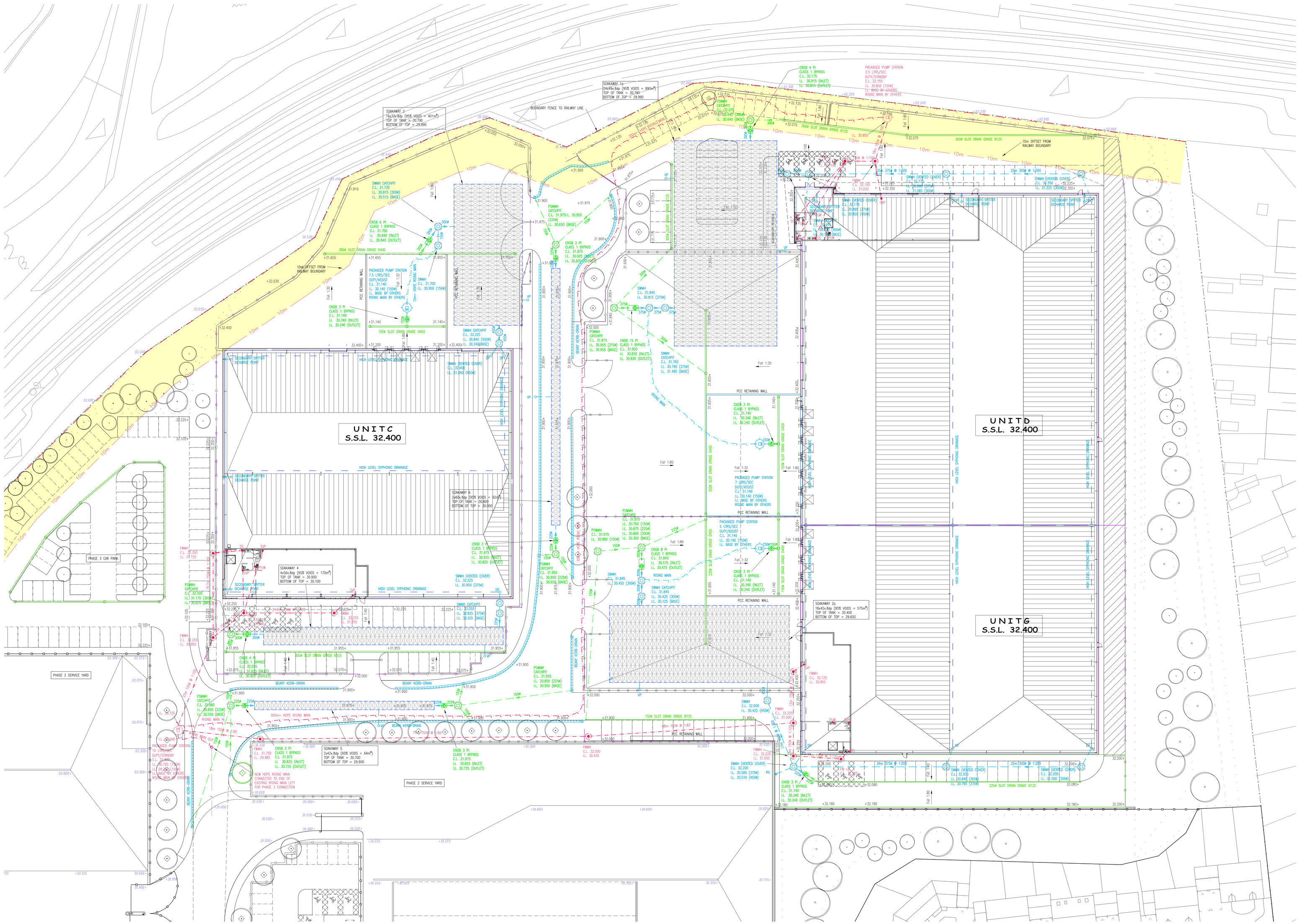

DRAIANAGE LAYOUT
(Ref: 30587)

Scale 1:300

1:300 0 6m 12m 18m 24m 30m

1:1 0 10 20 30 40 50 60 70 80 90 100

A0 SHEET

DRAINAGE NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
2. ALL DRAINAGE WORK TO BE CARRIED OUT IN ACCORDANCE WITH BS 8301, BS 8005 AND THE BUILDING REGULATIONS.
3. ALL PIPES ARE TO HAVE SURROUND IN ACCORDANCE DRAINAGE DETAILS, UNLESS NOTED OTHERWISE.
4. FOR EXACT LOCATION OF RAIN WATER AND FOUL WATER OUTLETS, REFER TO ARCHITECTS DRAWINGS.
5. SURFACE WATER DRAINS SHALL BE EITHER
H.D.P.E. RIDGIDRAIN TWINWALL CARRIER PIPE BY 'POLYPIPE PLC' (OR SIMILAR APPROVED) TO B.S EN 1401–1
OR P.C.C. PIPES TO B.S 5911 (PART 100)
OR VITRIFIED CLAY TO B.S 65
6. FOUL WATER DRAINS SHALL BE EITHER
P.V.C. PIPEWORK BY 'POLYPIPE PLC' (OR SIMILAR APPROVED) TO B.S. EN 1401–01
OR VITRIFIED CLAY TO B.S. EN 295
7. ALL GRP UNDERGROUND TANKS ARE TO BE BEDDED ON AND ENCASED IN 250mm GEN 3 20mm AGG. CONCRETE STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
8. ROAD GULLY OUTLET & KERBDRAIN PIPE INVERT LEVELS TO BE 600mm BELOW TOP OF GRATING LEVEL.
9. ALL MANHOLE AND INSPECTION CHAMBER COVERS, FRAMES AND SLOT TYPE DRAINS IN TRAFFICKED AREAS SHALL COMPLY TO EITHER B.S. 497 : PART 1 HEAVY DUTY COVERS TO MA60. OR B.S. EN 124 GRADE D400 (11.5 TONNE WHEEL LOADING)
SYPHONIC DRAINAGE TO HAVE VENTED COVERS
10. FOR DRAINAGE CONSTRUCTION AND PIPE BED DETAILS REFER TO DRAWING No.
11. ALL DRAINAGE BRANCHES TO BE 100mm FOR FOUL WATER & 150mm FOR SURFACE WATER UNLESS MARKED OTHERWISE.
12. ALL SOIL & VENT STACKS TO HAVE RODDABLE ACCESS 150mm ABOVE GROUND FLOOR SLAB LEVEL WITH REMOVABLE ACCESS PLATES.
13. ALL DRAINAGE CHANNELS TO HAVE ACCESS CHAMBER AT ENDS OF RUNS & EVERY 30m THEREAFTER.
14. ALL KERB DRAINAGE TO HAVE SUMP UNITS AT OUTLETS OF RUNS & HAVE RODDING ACCESS POINTS EVERY 30m THEREAFTER.
15. ALL SHALLOW DRAINAGE (<900mm COVER) AND DRAINAGE BELOW SLAB TO BE INCASED IN MIN 150mm CONCRETE SURROUND.
16. ALL CONCRETE SURROUNDS FOR THE DRAINAGE TO BE CLASS DC4Z (SULPHATE RESISTING)

LEGEND.

- 1200mmø MANHOLE & DRAIN RUN
  FOUL WATER – RED
  CLEAN SURFACE WATER – BLUE
  DIRTY SURFACE WATER – GREEN
- 1500mmø MANHOLE & DRAIN RUN
  CLEAN SURFACE WATER – BLUE
  DIRTY SURFACE WATER – GREEN
- 1800mmø MANHOLE & DRAIN RUN
  CLEAN SURFACE WATER – BLUE
  DIRTY SURFACE WATER – GREEN
- EXISTING FOUL WATER DRAINAGE RUN & MANHOLE
- EXISTING CLEAN SURFACE WATER DRAINAGE RUN & MANHOLE
- HIGH LEVEL SYPHONIC DRAINAGE PRIMARY/SECONDARY SYSTEM
- PACKAGED PUMP STATION WITH RISING MAIN
- SLOTDRAIN (200mm C40 CONCRETE SURROUND)
- ACCESS CHAMBER/OUTLET
- BEANY TYPE KERB DRAIN (150mm C20 BED & HAUNCH)
- RODDABLE TRAPPED FLOOR GULLY
- SOIL & VENT PIPE
- SOIL STUB STACK INCL AAV
- PRESSURISED SYPHONIC DOWNPIPE
- GRAVITY RAINWATER DOWNPIPE
- CONDER CLASS 1 BY-PASS PETROL INTERCEPTOR
- +32.000 PROPOSED NEW SURFACE LEVELS
- +31.500 EXISTING SURFACE LEVELS

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REV	DATE	DESCRIPTION	CHK	DRN
P2	02.09.13	FOUL DRAINAGE AMENDED TO SUIT OFFICE LAYOUT.	TC	MD
P1	18.12.12	PRELIMINARY ISSUE	TC	CE

NOTE: Where a "P" revision applies, this drawing is NOT to be used for construction

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PROJECT
PHASE 3 (Units C,D & G)
PROLOGIS PARK, HAYES

TITLE
DRAINAGE LAYOUT
Ref: Michael Sparks Associates 30587

ARCHITECT
MICHAEL SPARKS Associates

DRAWN	DESIGNED	CHECKED
CE	TC	TC

DATE	SCALE	STATUS
Mar 2010	1:300	Preliminary

2607-51 P2

ISO 9001 REGISTERED FIRM Certificate No. GB08/00000
INTERNATIONAL ACCREDITATION BOARD Registration No. 0966/1

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