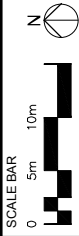


Note:
Any reproduction of Ordinance Survey maps must be illustrated on the drawing and must be accompanied by the following statement:
Pascall + Watson Limited ("The Licensee") is a copy of the Ordinance Survey map of the area shown on the drawing. The signed control copy of this drawing is held at the offices of Pascall + Watson Limited.
- All information shown outside the Proposal Boundary is for illustrative purposes only.
- Internal layouts are for illustrative purposes only.
- Base building survey information by LCI and NSA



Rev	Dim	Date	Description
A	GR	16.06.15	Issued for Planning Appeal
-	HRS	06.06.13	Issued for Planning

FOR APPROVAL

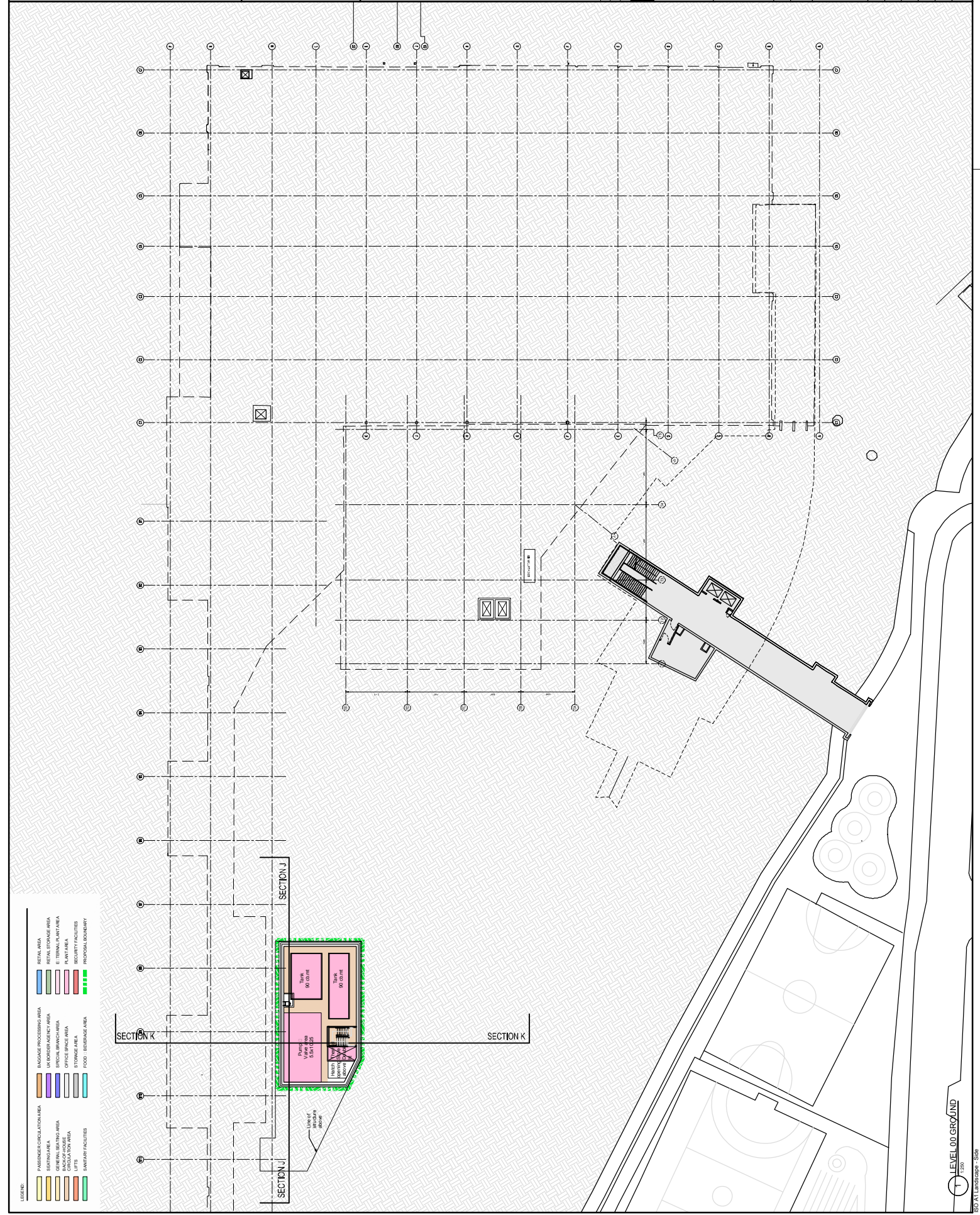


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Client: LONDON CITY AIRPORT
Project Name: CITY AIRPORT DEVELOPMENT PROGRAMME

6.3 PROPOSED WESTERN ENERGY
CENTRE BASEMENT LEVEL B1

Project Name	Project Number	Project Date	Project Status
Pascall + Watson	4486	16.06.2015	MP
Drawn By	Checked By	Drawn Date	Checked Date
SW	MP	16.06.2015	08.03.2013
Approved By	Approved Date	Scale	Units
	16.06.2015	1:250	A1
CADP	Project Ref	Drawing No.	Revision
LCY	P.W.	4486	B GA1B101 A



DO NOT SCALE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION

FOR CONSTRUCTION, OPERATION, MAINTENANCE & DEMOLITION
RISKS REFER TO STAGE 2 DESIGNER'S RISK ASSESSMENT:
A400-ATK-Z-00-XXX-DC-SC-900-001

MAINTENANCE/CLEANING

SEE ABOVE

DECOMMISSIONING/DEMOLITION

SEE ABOVE

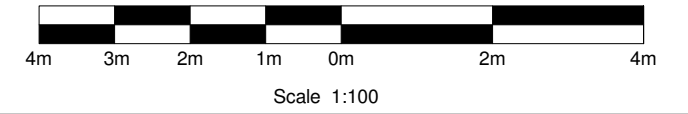
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, ELECTRICAL AND PUBLIC HEALTH AND RELEVANT DOCUMENTS.
2. THIS DRAWING REPRESENTS DESIGN DEVELOPMENT FOR SUB-STRUCTURE TENDER AND IS SUBJECT TO FURTHER DESIGN DEVELOPMENT IN FUTURE STAGES.
3. ALL STEELWORK IS EXCLUDED IN THIS TENDER ISSUE.
4. ALL DIMENSIONS IN mm UNO.
5. NEW CONCRETE TO BE STRENGTH C32/40.
6. CONTRACTOR TO ENSURE TEMPORARY STABILITY DURING CONSTRUCTION.
7. LAYOUT BASED ON STRUCTURAL REVIT MODEL A400-ATK S-30-XXX-M3-XX-247-002.
8. ALL PILES TO BE 600Ø AND TO BE DESIGNED BY PILING CONTRACTOR.

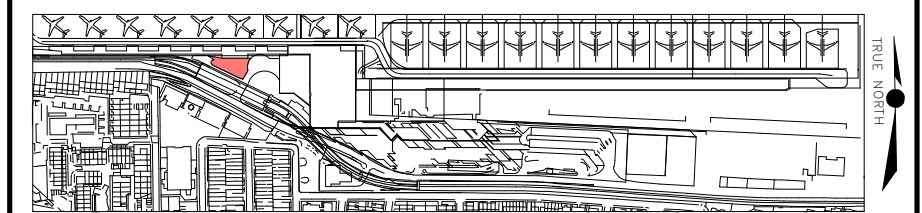
PRIVATE

SCALE BAR



KEY PLAN

ZONE: STR - WESTERN ENERGY CENTRE WEC



01	10/02/17	ISSUED FOR TENDER	RK	CH	MDS
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status

FOR TENDER

stability

D2

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Client

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Project Title

Project Title
LONDON CITY AIRPORT
CADP - WESTERN ENERGY CENTRE

Drawing Title

WESTERN ENERGY CENTRE SECTIONS

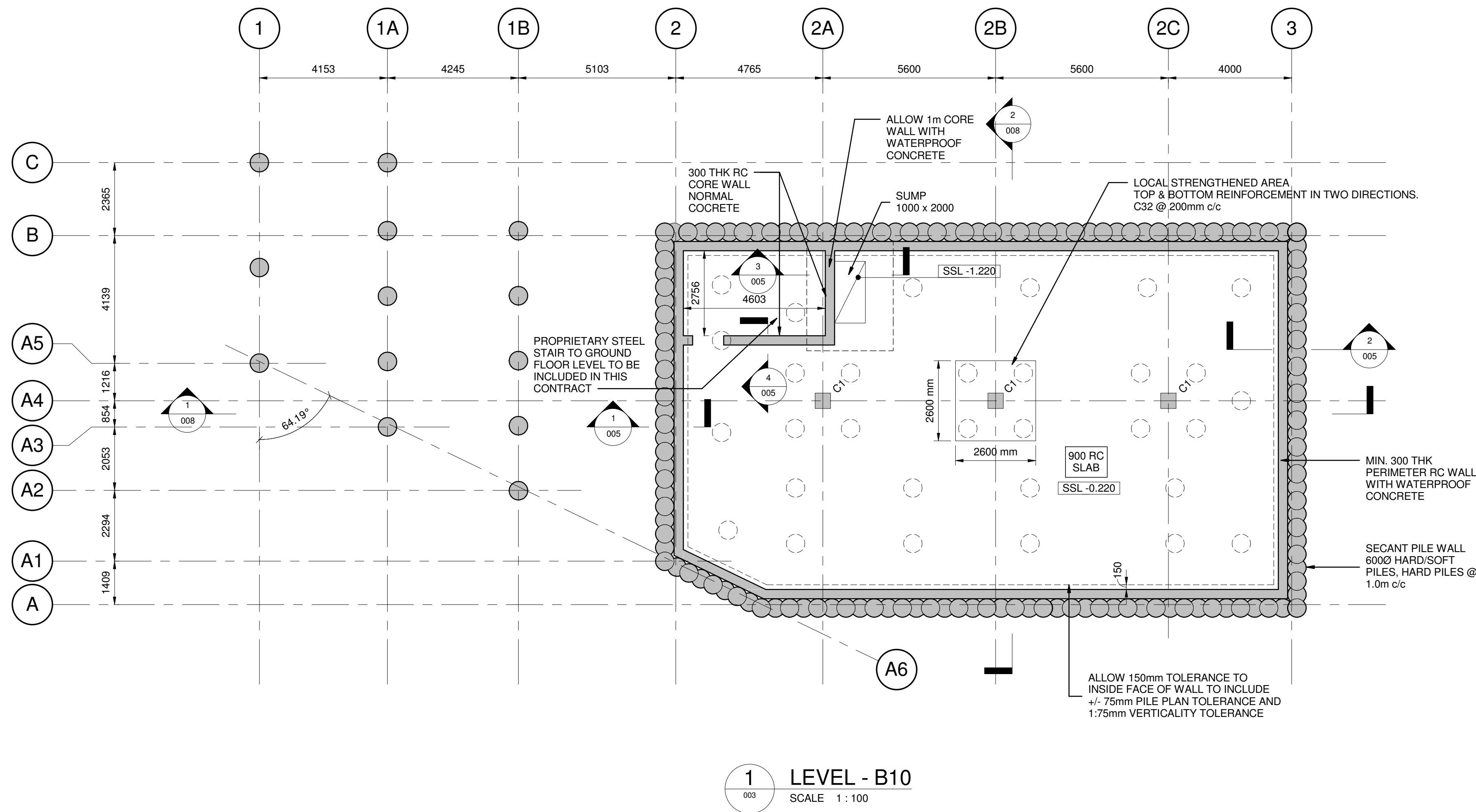
Scale 1:100	Designed AZ	Drawn RK	Checked CH	Authorised MDS
Original Size A1	Date 10/02/2017	Date 10/02/2017	Date 10/02/2017	Date 10/02/2017

Drawing Number

Proj.Code	Orig	Dis	Zone	Level	Type	Sub	Series / Num	Rev	Status
A400-ATK-S-30-XXX-DR-GA-247-008-01-D2									

100
Millimetres
0 10

DO NOT SCALE



SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION

FOR CONSTRUCTION, OPERATION, MAINTENANCE & DEMOLITION RISKS REFER TO STAGE 2 DESIGNER'S RISK ASSESSMENT: A400-ATK-Z-00-XXX-DC-SC-900-001

MAINTENANCE/CLEANING

SEE ABOVE

DECOMMISSIONING/DEMOLITION

SEE ABOVE

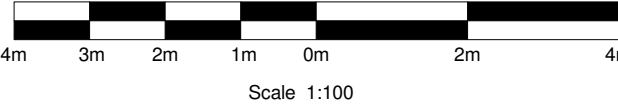
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

NOTES:

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- ALL STEELWORK IS EXCLUDED IN THIS TENDER ISSUE.
- ALL DIMENSIONS IN mm UNO.
- NEW CONCRETE TO BE STRENGTH C32/40.
- CONTRACTOR TO ENSURE TEMPORARY STABILITY DURING CONSTRUCTION.
- LAYOUT BASED ON STRUCTURAL REVIT MODEL A400-ATK-S-30-XXX-M3-XX-247-002.
- ALL PILES TO BE 6000 AND TO BE DESIGNED BY PILING CONTRACTOR.

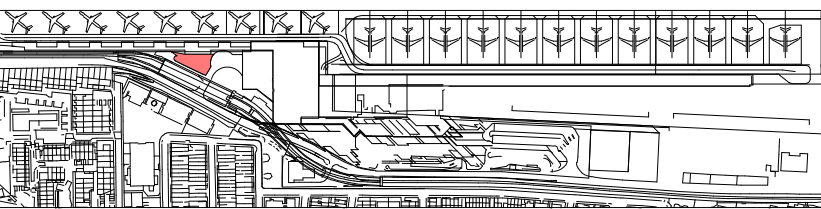
PRIVATE

SCALE BAR



KEY PLAN

ZONE: STR - WESTERN ENERGY CENTRE WEC



01	10/02/17	ISSUED FOR TENDER	RK	CH	MDS
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status

FOR TENDER

Suitability

D2

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Client

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Project Title

LONDON CITY AIRPORT
CADP - WESTERN ENERGY CENTRE

Drawing Title

WESTERN ENERGY CENTRE
B10 PLAN (BASEMENT)
STRUCTURAL GENERAL ARRANGEMENT

Scale	1:100	Designed	AZ	Drawn	RK	Checked	CH	Authorised	MDS
Original Size	A1	Date	10/02/2017	Date	10/02/2017	Date	10/02/2017	Date	10/02/2017

Drawing Number

Proj. Code Orig Dis Zone Level Type Sub Series / Num Rev Status
A400-ATK-S-30-B10-DR-GA-247-003-01-D2

DR-003 B10 COLUMN SCHEDULE - CONCRETE

REF.	SIZE (mm)	COMMENTS
C1	500 x 500	

FIGURE 4A TO 4I

Drainage Strategy

100
0 10
Millimetres

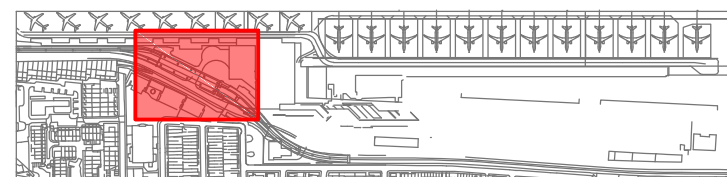
DO NOT SCALE

Notes:

- Existing information based on MSA drainage survey 2014/15 (ref 4046-D), Geotec survey 2014/15 (ref 1506s004W), DLR, LCY AND UKPN records.
- Modifications to services shown are subject to review and approval by utility owners
- Drawing shows drainage scheme for planning condition discharge. Final details may vary as design develops

LEGEND:

- EXISTING SURFACE WATER
- PROPOSED SURFACE WATER
- PROPOSED SURFACE WATER SLOT DRAIN
- PROPOSED SURFACE WATER CHANNEL DRAIN
- NEW CONNECTIONS TO RAIN WATER DOWN PIPES
- NEW GULLIES
- NEW CATCHPIT OULETS FROM CHANNEL AND SLOT DRAINS



Rev.	Date	Description	By	Chk'd	App'd
01	02/03/17	FIRST ISSUE	HD	DK	WH

Drawing Status	Suitability
Information	S2

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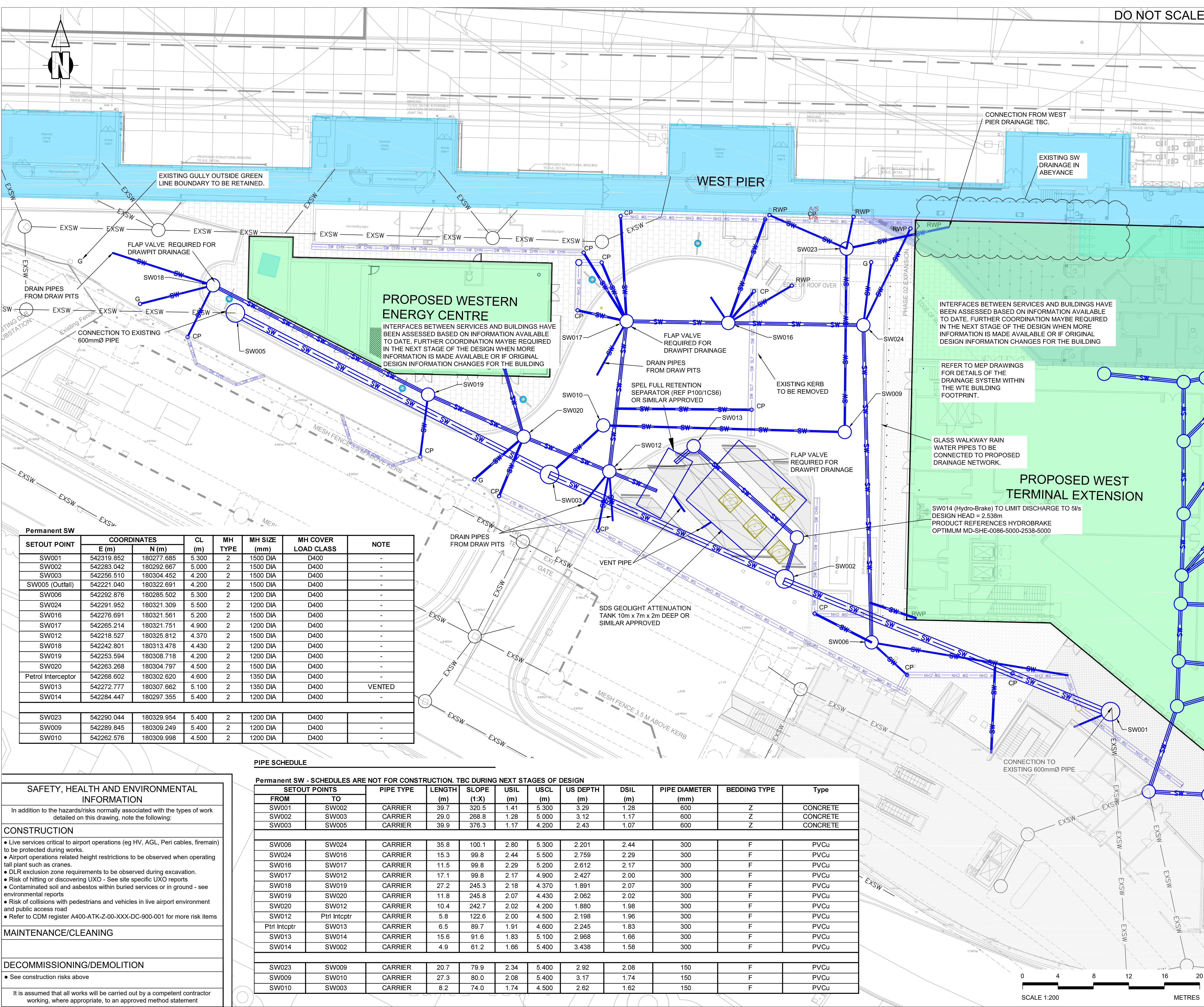
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Project Title
LONDON CITY AIRPORT
CADP WESTERN SERVICE YARD

Drawing Title
SURFACE WATER DRAINAGE
SCHEME DESIGN LAYOUT

Scale	Designed	Drawn	Checked	Authorised
1:200@A1	DK	HD	DK	WH
Original Size	Date	Date	Date	Date
A1	02.03.17	02.03.17	02.03.17	02.03.17

Drawing Number
Proj. Code Orig Dis Zone Level Type Sub Series / Num Rev Status
A400-ATK-C-00-XXX-DR-GA-864-004-01-S2



Permanent SW

SETOUT POINT	COORDINATES		CL (m)	MH TYPE	MH SIZE (mm)	MH COVER LOAD CLASS	NOTE
	E (m)	N (m)					
SW001	542319.852	180277.685	5.300	2	1500 DIA	D400	-
SW002	542283.042	180292.667	5.000	2	1500 DIA	D400	-
SW003	542256.510	180304.452	4.200	2	1500 DIA	D400	-
SW005 (Outfall)	542221.040	180322.691	4.200	2	1500 DIA	D400	-
SW006	542292.876	180285.502	5.300	2	1200 DIA	D400	-
SW024	542291.952	180321.309	5.500	2	1200 DIA	D400	-
SW016	542276.691	180321.561	5.200	2	1500 DIA	D400	-
SW017	542265.214	180321.751	4.900	2	1200 DIA	D400	-
SW012	542218.527	180325.812	4.370	2	1500 DIA	D400	-
SW018	542242.801	180313.478	4.430	2	1200 DIA	D400	-
SW019	542253.594	180308.718	4.200	2	1200 DIA	D400	-
SW020	542263.268	180304.797	4.500	2	1500 DIA	D400	-
Petrol Interceptor	542268.602	180302.620	4.600	2	1350 DIA	D400	-
SW013	542272.777	180307.662	5.100	2	1350 DIA	D400	VENTED
SW014	542284.447	180297.355	5.400	2	1200 DIA	D400	-
SW023	542290.044	180329.954	5.400	2	1200 DIA	D400	-
SW009	542289.845	180309.249	5.400	2	1200 DIA	D400	-
SW010	542262.576	180309.998	4.500	2	1200 DIA	D400	-

PIPE SCHEDULE

Permanent SW - SCHEDULES ARE NOT FOR CONSTRUCTION. TBC DURING NEXT STAGES OF DESIGN

SETOUT POINTS		PIPE TYPE	LENGTH (m)	SLOPE (1:X)	USIL (m)	USCL (m)	US DEPTH (m)	DSIL (m)	PIPE DIAMETER (mm)	BEDDING TYPE	Type
FROM	TO										
SW001	SW002	CARRIER	39.7	320.5	1.41	5.300	3.29	1.28	600	Z	CONCRETE
SW002	SW003	CARRIER	29.0	268.8	1.28	5.000	3.12	1.17	600	Z	CONCRETE
SW003	SW005	CARRIER	39.9	376.3	1.17	4.200	2.43	1.07	600	Z	CONCRETE
SW006	SW024	CARRIER	35.8	100.1	2.80	5.300	2.201	2.44	300	F	PVCu
SW024	SW016	CARRIER	15.3	99.8	2.44	5.500	2.759	2.29	300	F	PVCu
SW016	SW017	CARRIER	11.5	99.8	2.29	5.200	2.612	2.17	300	F	PVCu
SW017	SW012	CARRIER	17.1	99.8	2.17	4.900	2.427	2.00	300	F	PVCu
SW018	SW019	CARRIER	27.2	245.3	2.18	4.370	1.891	2.07	300	F	PVCu
SW019	SW020	CARRIER	11.8	245.8	2.07	4.430	2.062	2.02	300	F	PVCu
SW020	SW012	CARRIER	10.4	242.7	2.02	4.200	1.880	1.98	300	F	PVCu
SW012	Pttr Intcpt	CARRIER	5.8	122.6	2.00	4.500	2.198	1.96	300	F	PVCu
Pttr Intcpt	SW013	CARRIER	6.5	89.7	1.91	4.600	2.245	1.83	300	F	PVCu
SW013	SW014	CARRIER	15.6	91.6	1.83	5.100	2.968	1.66	300	F	PVCu
SW014	SW002	CARRIER	4.9	61.2	1.66	5.400	3.438	1.58	300	F	PVCu
SW023	SW009	CARRIER	20.7	79.9	2.34	5.400	2.92	2.08	150	F	PVCu
SW009	SW010	CARRIER	27.3	80.0	2.08	5.400	3.17	1.74	150	F	PVCu
SW010	SW003	CARRIER	8.2	74.0	1.74	4.500	2.62	1.62	150	F	PVCu

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:
CONSTRUCTION
• Live services critical to airport operations (eg HV, AGL, Peri cables, firemain) to be protected during works.
• Airport operations related height restrictions to be observed when operating tall plant such as cranes.
• DLR exclusion zone requirements to be observed during excavation.
• Risk of hitting or discovering UXO - See site specific UXO reports
• Contaminated soil and asbestos within buried services or in ground - see environmental reports
• Risk of collisions with pedestrians and vehicles in live airport environment and public access road
• Refer to CDM register A400-ATK-Z-00-XXX-DC-900-001 for more risk items
MAINTENANCE/CLEANING
DECOMMISSIONING/DEMOLITION
• See construction risks above
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement