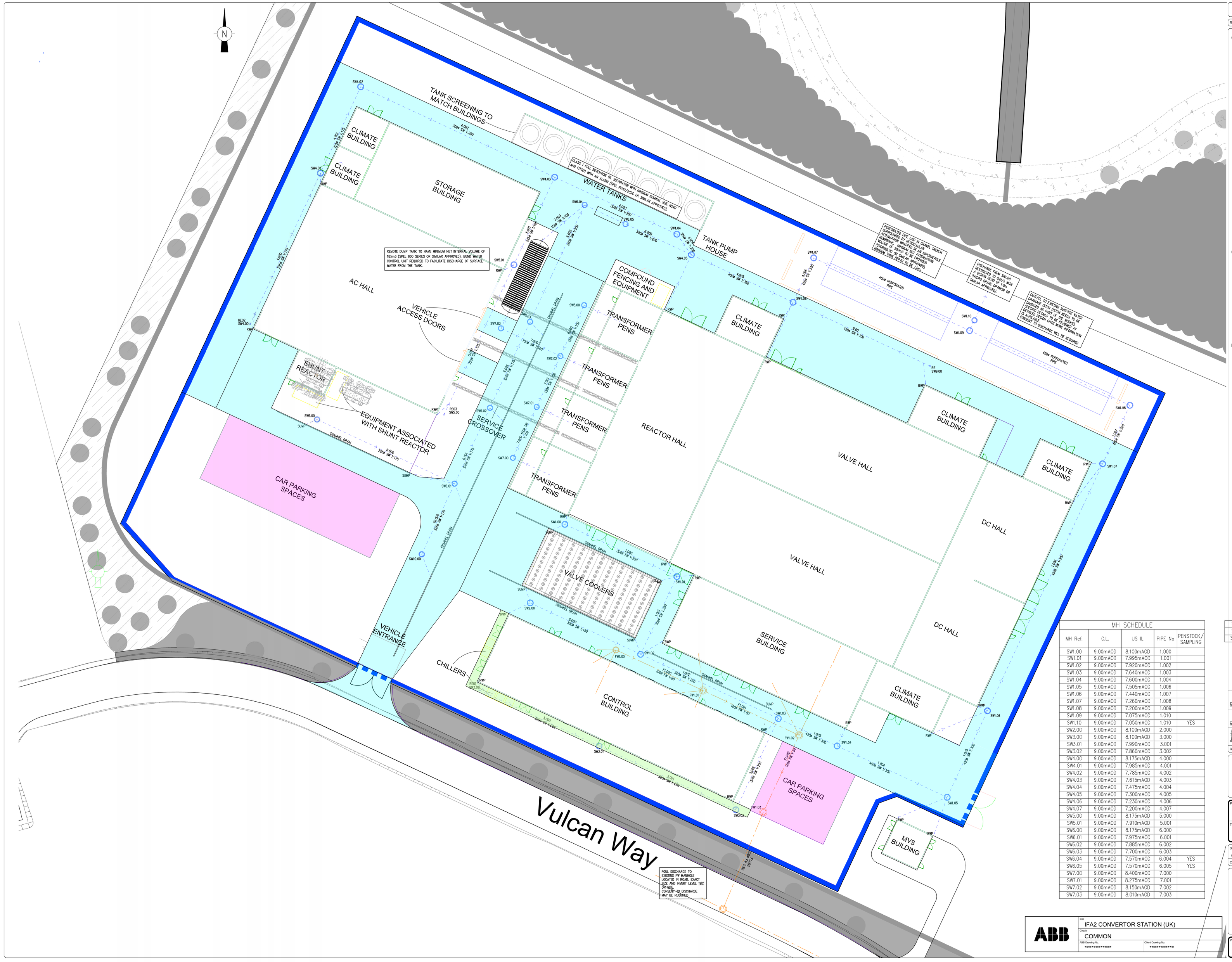

0 100
This drawing may have been reduced original scale : 100mm

Reference Drawings | Legend | Notes

GENERAL NOTES:

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. ALL LEVELS ARE IN METRES AND ARE RELATIVE TO ORDNANCE DATUM (A.O.D).
4. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
5. ALL PIPES SHALL BE LAID WITH SOFFITS LEVEL UNLESS NOTED OTHERWISE. ALL MANHOLE INVERT LEVELS RELATE TO THE OUTLET PIPE. PIPE RUNS SHALL BE LAID TO THE INVERT LEVELS INDICATED – PIPE GRADIENTS SHOWN ARE APPROXIMATE.
6. THE COVER LEVELS SHOWN ARE APPROXIMATE AND SHALL SUIT THE EXACT FINISHED LEVEL AS REQUIRED ON SITE.
7. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH BS EN 752 & CURRENT BUILDING REGULATIONS.
8. DETAILS AND POSITIONS OF ALL EXISTING SERVICES TO BE CONFIRMED PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.
9. POSITIONS OF ABOVE GROUND RAINWATER PIPES SHOWN ARE INDICATIVE. SETTING OUT TO BE CONFIRMED BY THE ARCHITECT.
10. PIPES TO BE 100% RECYCLED HDPE WITH MINIMUM NOMINAL STIFFNESS OF SN4.
11. CLASS Z BEDDING (CONCRETE BED AND SURROUND) TO BE PROVIDED FOR ALL PIPES WITH LESS THAN 900MM COVER BENEATH ROADS OR 600MM COVER ELSEWHERE. OTHERWISE CLASS S BEDDING TO BE PROVIDED.
12. ALL MANHOLE ACCESS COVERS TO BE RATED TO LOAD CLASS D400 IN ACCORDANCE WITH BS EN 124.
13. ALL DRAINAGE CHANNELS TO MEET MINIMUM DIMENSIONS 150mm WIDE X 185mm INVERT DEPTH. ALL CHANNEL GRATINGS TO BE RATED TO LOAD CLASS D400 IN ACCORDANCE WITH BS EN 1433.

CAVEATS AND ASSUMPTIONS:

1. SURFACE WATER DISCHARGE FROM THE SITE IS RESTRICTED TO 8.0 L/S IN ACCORDANCE WITH THE 1 YEAR RETURN PERIOD GREENFIELD RUNOFF RATE STATED IN THE FLOOD RISK ASSESSMENT.
2. INFILTRATION OF SURFACE WATER INTO THE SOL IS SUBJECT TO CONFIRMATION OF ACCEPTABLE PERMEABILITY RATES UPON COMPLETION OF SOAKAWAY TESTING IN ACCORDANCE WITH BRE DIGEST 365.
3. CONSENT TO DISCHARGE TO AN EXISITNG WATERCOURSE/SEWER WILL BE REQUIRED.

KEY:

	ROAD (CONCRETE)
	CAR PARK
SUMP	CHANNEL DRAIN SUMP UNIT
RWP	RAIN WATER PIPE
RE	RODDING EYE
SW1.05	SURFACE WATER PIPE AND MANHOLE
FW1.03	FOUL WATER PIPE AND MANHOLE

MH SCHEDULE

MH Ref.	C.L.	US IL	PIPE No	PENSTOCK/ SAMPLING
SW1.00	9.00mAOD	8.100mAOD	1.000	
SW1.01	9.00mAOD	7.995mAOD	1.001	
SW1.02	9.00mAOD	7.920mAOD	1.002	
SW1.03	9.00mAOD	7.640mAOD	1.003	
SW1.04	9.00mAOD	7.600mAOD	1.004	
SW1.05	9.00mAOD	7.505mAOD	1.006	
SW1.06	9.00mAOD	7.440mAOD	1.007	
SW1.07	9.00mAOD	7.260mAOD	1.008	
SW1.08	9.00mAOD	7.200mAOD	1.009	
SW1.09	9.00mAOD	7.075mAOD	1.010	
SW1.10	9.00mAOD	7.050mAOD	1.010	YES
SW2.00	9.00mAOD	8.100mAOD	2.000	
SW3.00	9.00mAOD	8.100mAOD	3.000	
SW3.01	9.00mAOD	7.990mAOD	3.001	
SW3.02	9.00mAOD	7.860mAOD	3.002	
SW4.00	9.00mAOD	8.175mAOD	4.000	
SW4.01	9.00mAOD	7.985mAOD	4.001	
SW4.02	9.00mAOD	7.785mAOD	4.002	
SW4.03	9.00mAOD	7.615mAOD	4.003	
SW4.04	9.00mAOD	7.475mAOD	4.004	
SW4.05	9.00mAOD	7.300mAOD	4.005	
SW4.06	9.00mAOD	7.230mAOD	4.006	
SW4.07	9.00mAOD	7.200mAOD	4.007	
SW5.00	9.00mAOD	8.175mAOD	5.000	
SW5.01	9.00mAOD	7.910mAOD	5.001	
SW6.00	9.00mAOD	8.175mAOD	6.000	
SW6.01	9.00mAOD	7.975mAOD	6.001	
SW6.02	9.00mAOD	7.885mAOD	6.002	
SW6.03	9.00mAOD	7.700mAOD	6.003	
SW6.04	9.00mAOD	7.570mAOD	6.004	YES
SW6.05	9.00mAOD	7.570mAOD	6.005	YES
SW7.00	9.00mAOD	8.400mAOD	7.000	
SW7.01	9.00mAOD	8.275mAOD	7.001	
SW7.02	9.00mAOD	8.150mAOD	7.002	
SW7.03	9.00mAOD	8.010mAOD	7.003	
SW8.00	9.00mAOD	8.275mAOD	8.000	
SW9.00	9.00mAOD	7.950mAOD	9.000	
SW10.00	9.00mAOD	8.100mAOD	10.000	

Revision	Description	Drawn	Date	Checked	Approved
P2	ISSUED FOR PLANNING	JR	17/07/2017	JS	SP
P1	ISSUED FOR COMMENT	JR	29/06/2017	NS	SP

Revisions

nationalgrid

Project: IFA2 CONVERTOR STATION (UK)

Title: SITE PLAN SHOWING DRAINAGE GENERAL ARRANGEMENT

Scale (when plotted @ A0)	Drawn	Checked	Approved
1:250	JR	NS	SP
	Date 30/06/2017	Date 30/06/2017	Date 30/06/2017

CAD Ref

BakerHicks

BakerHicks
20 Timothys Bridge Road
Stratford-upon-Avon
Warwickshire
CV37 9NJ
T: 01789 204288
www.baker-hicks.com

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ABB

Site: IFA2 CONVERTOR STATION (UK)

Group: COMMON

ABB Drawing No.: ********** Client Drawing No.: **********

Project number	Drawing number	Revision
30000764	IDV-4200	P2