

DRAINAGE NOTES

- ALL FOUL SEWERS, MANHOLES AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
- ALL FOUL SEWER HOUSE CONNECTIONS TO BE MIN 100mm Ø UPVC TO IS EN 1401 2009/2012, STIFFNESS CLASS 8kN/M2 IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
- ALL PUBLIC FOUL SEWERS TO BE MINIMUM 225mm DIAMETER THERMOPLASTIC STRUCTURED WALL PIPES TO IS EN 13746 (2007/2009), TYPE SN8 AND WIS 4-35-01 (2008) AND COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE.
- ALL PUBLIC SURFACE WATER SEWERS TO BE MINIMUM 225 DIA. CLASS H CONCRETE TO EN1916 & IS 6 2004 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
- ALL SURFACE WATER CONNECTIONS TO BE MINIMUM 150mm Ø UPVC TO IS EN 1401 2009/2012 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
- LOCATION AND INVERT LEVELS OF EXISTING MANHOLES OR OUTFALL POINTS, WHERE APPLICABLE TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF DRAINAGE WORKS.
- ALL FOUL CONNECTIONS TO COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER.
- ALL FOUL SEWERS TO BE AIR TESTED IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS.
- ALL COVER LEVELS TO MATCH FINISHED ROAD/VERGE/FOOTPATH/CYCLETRACK LEVELS UNLESS OTHERWISE STATED.
- CONTRACTOR TO INCLUDE FOR CCTV SURVEY OF ALL SEWERS UPON COMPLETION OF SAME.

LEGEND

- PROPOSED PRIVATE SURFACE WATER SEWER
- EXISTING PUBLIC SURFACE WATER SEWER
- ROAD GULLY
- SITE BOUNDARY

NOTE:
REFER DRAWING DB080-PIN-00-ZZ-DR-C-PLAN-1296 FOR SUDS TYPICAL DETAILS

REFER DRAWING
DB080-PIN-00-ZZ-DR-C-PLAN-1207 FOR SURFACE WATER DRAINAGE LAYOUT

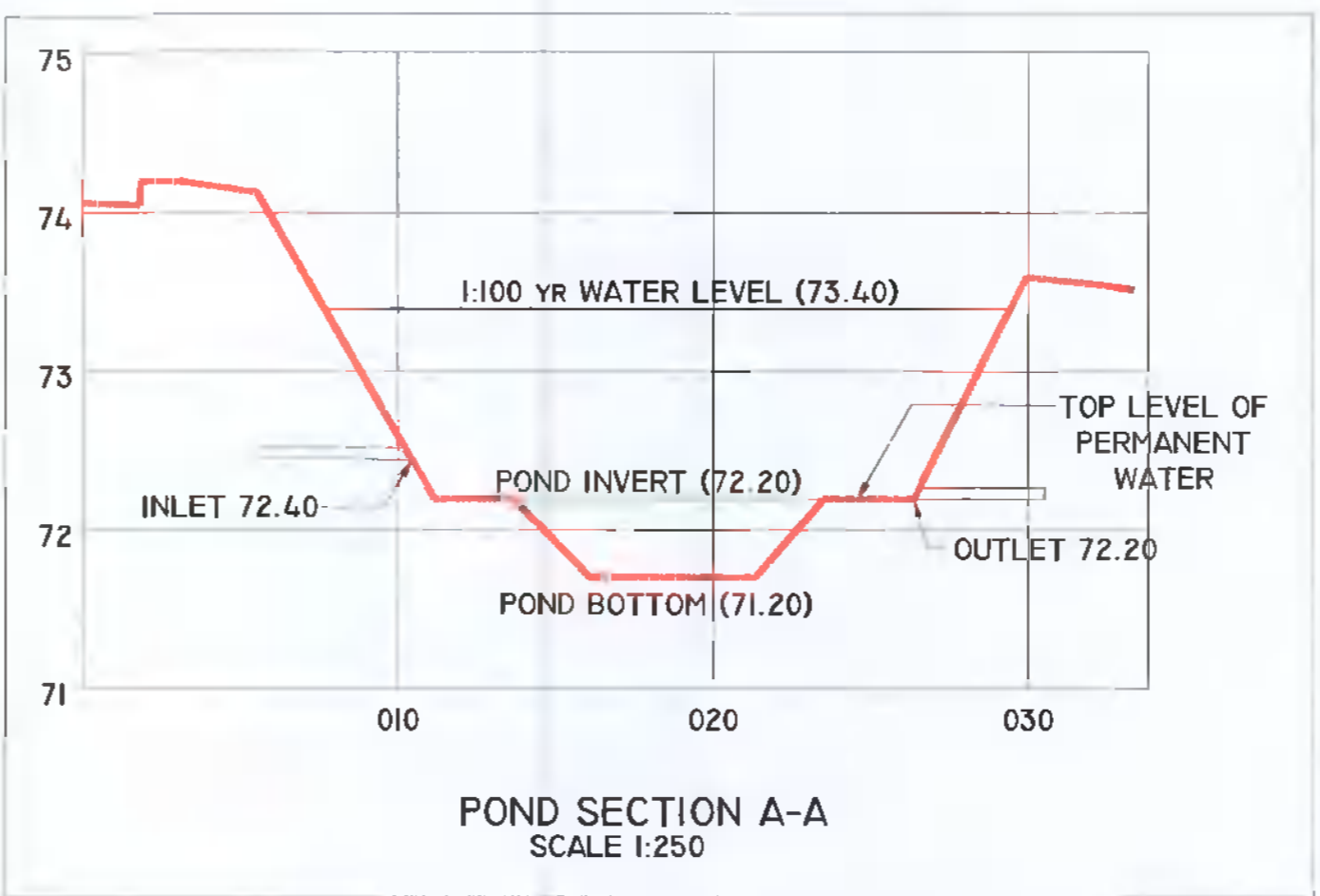
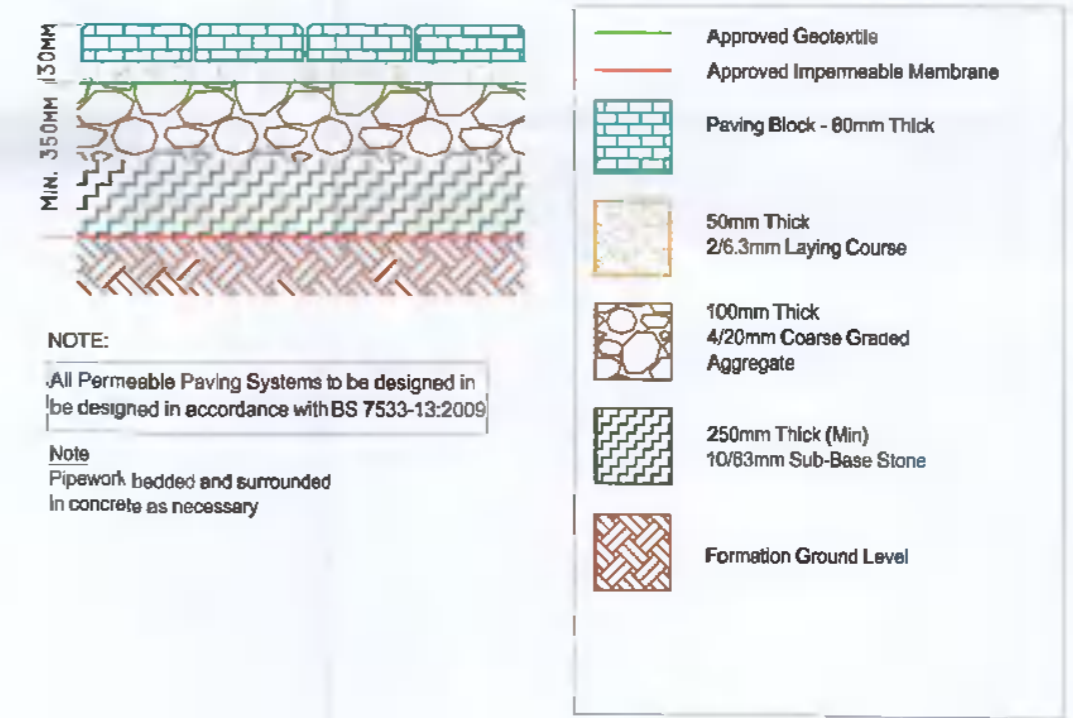
Client: **EQUINIX**

HAZARD IDENTIFICATION LEGEND

HAZARD IDENTIFICATION (if none state 'none relevant')	CONTROL AND MITIGATION MEASURES

NOTE:
Hazards listed above are only those considered significant risks and:

- not likely to be obvious to a competent contractor or other designers;
- unusual; or
- likely to be difficult to manage effectively



SITE ATTENUATION VOLUMES

ATTENUATION PROVIDED	HATCH	VOLUME (m³)
SUDS SWALE 1	[Green Hatch]	30
SUDS POND 1	[Blue Hatch]	756
SUDS SWALE 2	[Orange Hatch]	70
PERMEABLE PAVING	[Purple Hatch]	237
PERMEABLE GRAVEL 1	[Light Blue Hatch]	30
PERMEABLE GRAVEL 2	[Light Green Hatch]	63
GREEN ROOF (TO ARCHITECT DETAIL)	[Light Purple Hatch]	4
TOTAL		1 190

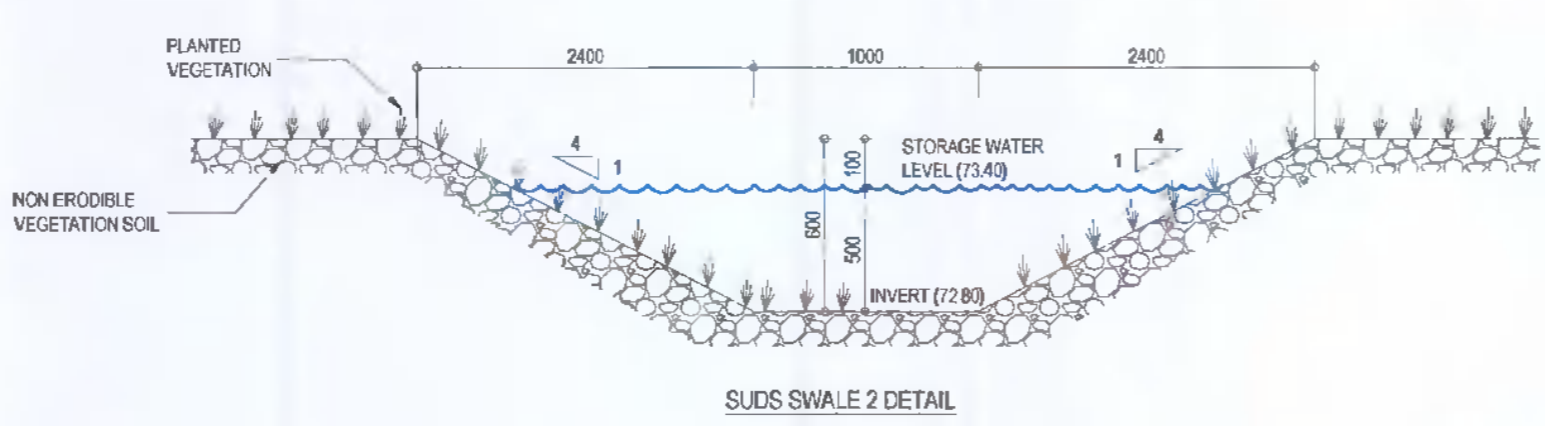
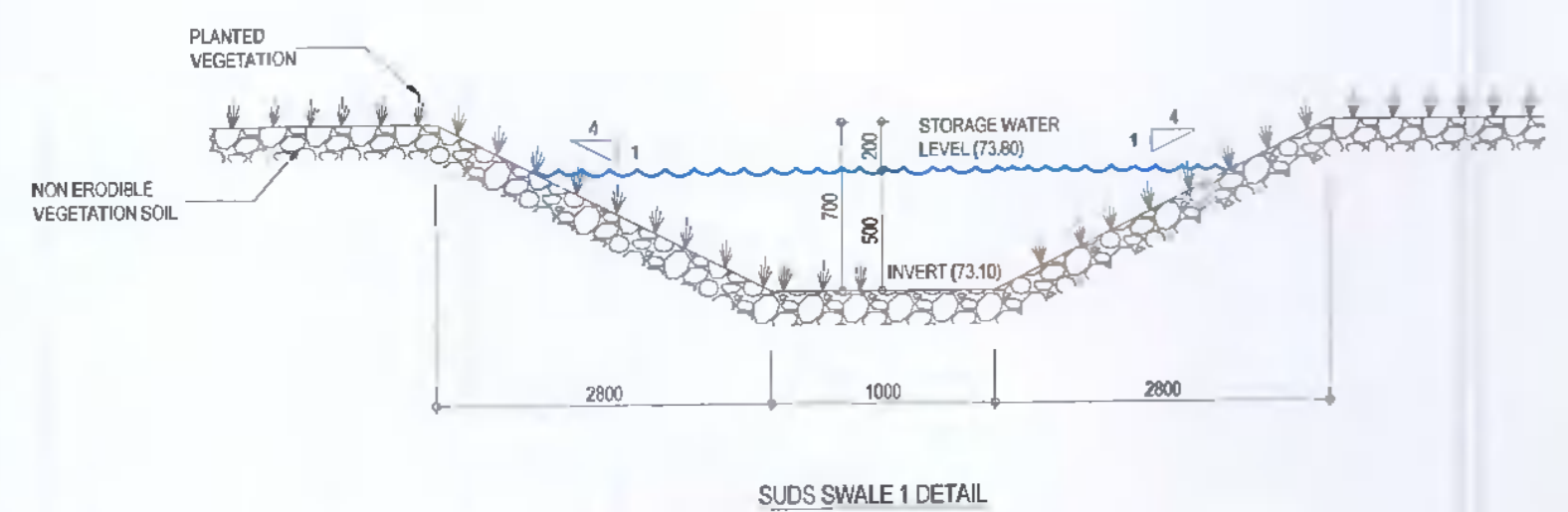
PLANNING REGISTRATION REFERENCE
SD21A/0186

DESIGN ISSUE
THE DESIGN IS SUBJECT TO PLANNING APPROVAL AND DETAILED DESIGN.

PK#	DATE	DESCRIPTION	DRN	CHK	APP
PK1	08.06.22	OSPL LAYOUT ADDED			
PK2	08.02.22	CFI RESPONSE			
PK3	10.06.21	ISSUES FOR TENDER			
PK4	02.02.22	ISSUES FOR APPROVAL			
REV	DATE	DESCRIPTION			

Key:

Project:
EQUINIX DB081



SITE CATCHMENT AREAS

CATCHMENT	HATCH	AREA (m²)	% AREA	C VALUE	GREENFIELD RUN OFF RATES L/S (QBAR 2 L/S/HA. SAAR 754)	DRAINS TO
CAT 1	[Green Hatch]	1381	5.20%	0.5	0.28	SUDS PERMEABLE GRAVEL 1
CAT 2	[Blue Hatch]	553	2.1%	0.8	0.11	SUDS SWALE 1
CAT 3	[Light Blue Hatch]	1126	4.2%	1.0	0.23	SUDS POND
CAT 4	[Light Green Hatch]	2040	7.6%	0.5	0.41	SUDS PERMEABLE GRAVEL 2
CAT 5	[Purple Hatch]	2153	8.0%	0.8	0.43	SUDS POND
CAT 6	[Light Blue Hatch]	1946	7.3%	1.0	0.39	SUDS POND
CAT 7	[Light Green Hatch]	4363	16.3%	0.6	0.87	SUDS PERMEABLE PAVING
CAT 8	[Light Blue Hatch]	2704	10.1%	1.0	0.54	SUDS POND
CAT 9	[Light Green Hatch]	1773	6.6%	0.8	0.35	SUDS POND
CAT 10	[Light Blue Hatch]	825	3.1%	0.8	0.17	SUDS SWALE 2
CAT 11	[Light Green Hatch]	708	2.6%	0.8	0.14	SUDS SWALE 2
LANDSCAPING	[Light Purple Hatch]	7193	26.9%	0.8		LANDSCAPING
TOTAL		26 765	100%		3.9 L/S (QBAR)	

Drawing Title:
SURFACE WATER CATCHMENT AND SUDS FEATURES

Drawing Number:
DB080-PIN-00-ZZ-DR-C-PLAN-1295

Scale: 1:500 Paper Size: A1 Purpose: D2 Revision: P04

PINNACLE CONSULTING ENGINEERS

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