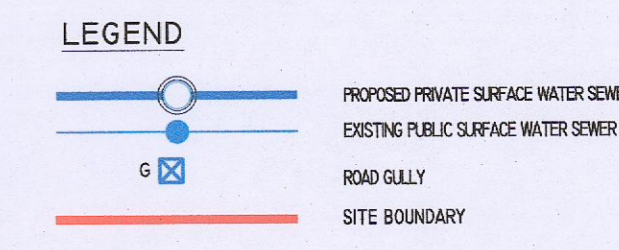
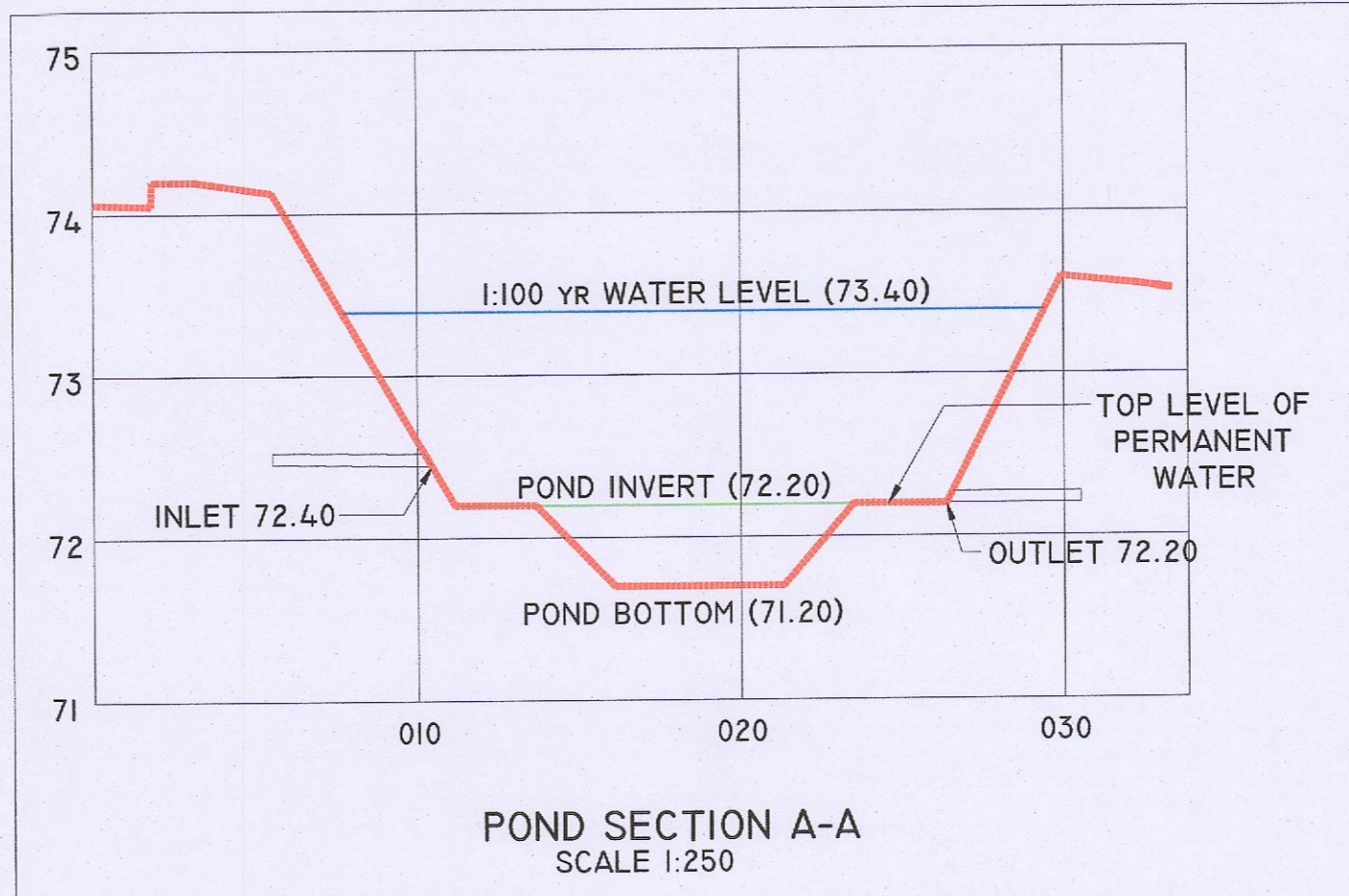
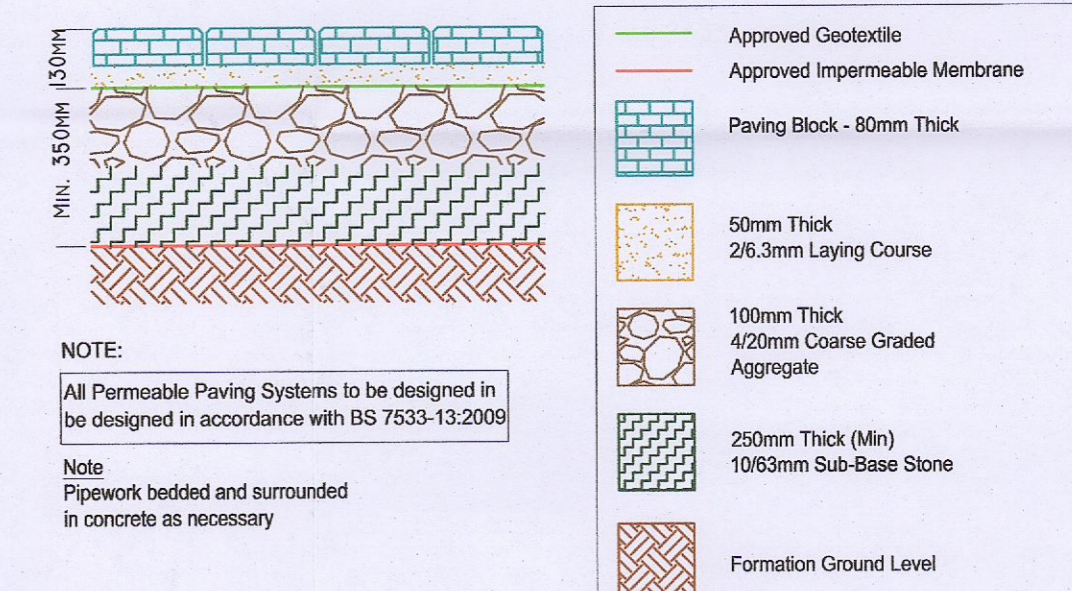


- DRAINAGE NOTES:**
- ALL FOUL SEWERS, MANHOLES AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
 - ALL FOUL SEWER HOUSE CONNECTIONS TO BE MIN 100MM Ø UPVC TO IS EN 1401 2009/2012, 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.



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



SITE ATTENUATION VOLUMES		
ATTENUATION PROVIDED	HATCH	VOLUME (M ³)
SUDS SWALE 1	[Green Hatch]	30
SUDS POND 1	[Blue Hatch]	756
SUDS SWALE 2	[Orange Hatch]	70
PERMEABLE PAVING	[Grey Hatch]	237
PERMEABLE GRAVEL 1	[Purple Hatch]	30
PERMEABLE GRAVEL 2	[Pink Hatch]	63
GREEN ROOF (TO ARCHITECT DETAIL)	[Green Hatch]	4
TOTAL		1 190

SITE CATCHMENT AREAS						
CATCHMENT	HATCH	AREA (M ²)	% AREA	C VALUE	GREENFIELD RUN OFF RATES L/S (QBAR 2L/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	[Blue Hatch]	1126	4.2%	1.0	0.23	SUDS POND
CAT 4	[Blue Hatch]	2040	7.6%	0.5	0.41	SUDS PERMEABLE GRAVEL 2
CAT 5	[Blue Hatch]	2153	8.0%	0.8	0.43	SUDS POND
CAT 6	[Blue Hatch]	1946	7.3%	1.0	0.39	SUDS POND
CAT 7	[Green Hatch]	4363	16.3%	0.6	0.87	SUDS PERMEABLE PAVING
CAT 8	[Blue Hatch]	2704	10.1%	1.0	0.54	SUDS POND
CAT 9	[Blue Hatch]	1773	6.6%	0.8	0.35	SUDS POND
CAT 10	[Orange Hatch]	825	3.1%	0.8	0.17	SUDS SWALE 2
CAT 11	[Orange Hatch]	708	2.6%	0.8	0.14	SUDS SWALE 2
LANDSCAPING	[Green Hatch]	7193	26.9%	0.8		LANDSCAPING
TOTAL		26 765	100%		3.9 L/S (QBAR)	

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

PLANNING REGISTRATION REFERENCE: SD21A/0186

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

REV	DATE	DESCRIPTION	DWN	CHK	APP
P04	06.05.22	OSPG LAYOUT ADDED		FJR/UM	
P03	08.02.22	CF RESPONSE		FJR/UM	
P02	17.02.21	ISSUES FOR TENDER		FJR/UM	
P01	02.02.22	ISSUED FOR APPROVAL		FJR/UM	

Key:

Project: EQUINIX DB081

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

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