



PERMEABLE PAVING

NO	NETT SW STORAGE**
PP1	12m³
PP2	12m³
PP3	11m³
PP4	15m³
PP5	18m³
PP6	16m³
PP7	15m³
PP8	13m³
PP9	13m³
PP10	11m³
PP11	10m³
PP12	6m³
TOTAL	158m³

** 450mm DEEP STONE FILLED WITH 30% VOIDS

RAIN GARDENS

NO	NETT SW STORAGE**
RG1	10m³
RG2	17m³
RG3	3m³
RG4	4m³
TOTAL	34m³

** 2.0m WIDE X 0.2m DEEP (90% VOIDS)

INFILTRATION TRENCH

NO	NETT SW STORAGE**
IT1	1.4m³
IT2	3.8m³
IT3	2.5m³
IT4	1.7m³
TOTAL	9.4m³

** 0.60m WIDE X 0.45m DEEP (30% VOIDS)

- ### NOTES
- ALL NOTED LEVELS ARE TO ORDNANCE DATUM, MALIN HEAD.
 - REFER TO ARCHITECT'S LAYOUT FOR ALL SET-OUT INFORMATION.
 - REFER TO ARCHITECT / LANDSCAPE ARCHITECT'S DESIGN DRAWINGS FOR DETAILS OF PROPOSED SURFACE FINISHES AND LANDSCAPING.
 - ALL SURFACE WATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE GREATER DUBLIN REGION CODE OF PRACTICE FOR DRAINAGE WORKS, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 - ALL WASTEWATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 - ALL DRAINAGE COVER LEVELS ARE TO BE COORDINATED WITH THE PROPOSED ROAD DESIGN LEVELS AND ARCHITECT DESIGN FINISH DETAILS.
 - ALL CONNECTIONS TO NEW DRAINAGE NETWORKS ARE TO BE MADE AT AN ANGLE OF 90° OR IN THE DIRECTION OF FLOW.
 - THE CONTRACTOR IS TO VERIFY INVERT LEVEL AT PROPOSED CONNECTION TO EXISTING SEWERS. PRIOR TO ANY OTHER WORKS BEING CARRIED OUT, AND MAKE ANY DISCREPANCIES KNOWN TO THE ENGINEER.
 - THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF PRESENCE ALL EXISTING UTILITIES, IF ANY, ALONG ROUTE OF PROPOSED DRAINAGE NETWORKS - BY INTRUSIVE INVESTIGATION OR EQUAL.
 - EXISTING PUBLIC SEWER TO BE JET CLEANED AND CCTV SURVEYED PRIOR TO AND AFTER PROPOSED CONNECTIONS FROM NEW NETWORK.
 - ALL NEW DRAINAGE INFRASTRUCTURE TO BE JET CLEANED AND CCTV SURVEYED, WITH ANY NOTED DEFECTS REMEDIATED, ON COMPLETION OF WORKS, TO THE SATISFACTION OF THE LOCAL AUTHORITY.
 - REFER TO ARCHITECT'S DRAWINGS FOR DETAILS OF PRIVATE DRAINAGE.
 - ALL COVER LEVELS ARE TO BE COORDINATED WITH ROAD DESIGN LEVELS AND LANDSCAPE ARCHITECT'S PROPOSED FINISH LEVELS.
 - THE INTERNAL BUILDING DRAINAGE TO BE COORDINATED WITH ARCHITECT'S LAYOUT.

STORM WATER NETWORK 1 - PIPELINE DETAILS - WEST OF SITE

USMH	USCL (m)	USIL (m)	USMH Dia (mm)	PN	Dia (mm)	Length (m)	Slope (1:X)	DSMH	DSIL (m)
S1	4.740	3.717	1200	S1.000	300	59.883	150:1	S2	2.718
S2	4.929	2.968	1350	S1.001	450	5.882	282:3	S3	2.550
S3	4.909	2.500	1350	S1.002	450	26.833	149:9	S4	2.371
S4	4.684	2.371	1350	S1.003	450	7.061	176:5	S13	2.331
S5	4.825	3.475	1200	S2.000	225	21.445	80:3	S8	3.208
S6	4.880	3.486	1200	S3.000	225	9.882	149:1	S7	3.421
S7	4.898	3.421	1200	S3.001	225	8.465	151:2	S6	3.365
S8	4.961	3.365	1200	S3.002	225	9.878	81:4	S9	3.208
S9	4.724	3.133	1200	S2.001	300	34.275	80:1	S10	2.705
S10	4.617	2.705	1200	S2.002	300	4.807	80:1	S11	2.645
S11	4.655	2.645	1200	S2.003	300	26.677	100:0	S12	2.378
S12	4.741	2.228	1350	S2.004	450	6.245	100:7	S13	2.166
S13	4.787	2.166	1350	S1.004	450	4.781	100:0	S14	2.118
S14	4.787	1.170	1350	S1.005	450	7.000	100:0	ATT B	1.100

STORM WATER NETWORK 2 - PIPELINE DETAILS - EAST OF SITE

USMH	USCL (m)	USIL (m)	USMH Dia (mm)	PN	Dia (mm)	Length (m)	Slope (1:X)	DSMH	DSIL (m)
S15	4.630	3.700	1200	S4.000	300	31.300	170:1	S16	3.516
S16	4.753	3.516	1200	S4.001	300	8.860	44:3	S17	3.316
S17	4.781	3.700	1200	S5.000	300	65.260	169:9	S18	3.316
S18	4.710	3.166	1350	S4.002	450	6.330	226:1	S19	3.138
S19	4.900	3.800	1200	S6.000	300	30.970	99:9	S20	3.490
S20	4.814	3.138	1350	S4.003	450	24.960	169:8	S21	2.991
S21	5.150	2.991	1350	S4.004	450	27.160	199:7	S22	2.855
S22	4.900	3.800	1200	S7.000	300	45.970	199:8	S23	3.513
S23	5.150	2.855	1350	S4.005	450	35.970	200:3	S24	2.977
S24	5.290	2.877	1350	S4.006	450	43.350	199:8	S25	2.360
S25	4.400	2.360	1350	S4.007	450	12.940	199:1	S26	2.285
S26	4.500	1.086	1350	S4.008	450	7.000	184:4	ATT B	1.060

FOR DETAILS OF STORM WATER LONG ELEVATIONS REFER TO DRAWING NO'S W369-OCSC-XX-XX-DR-C-0560 AND W369-OCSC-XX-XX-DR-C-0561

PLANNING DRAWING.
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P01	July 23	Issued for Discussion	PMCM	AS
P02	OCT 23	ISSUED FOR DISCUSSION	PMCM	AS
P03	11.07.24	ISSUED FOR IRO STAGE 2 SUBMISSION	TD	AS
P04	14.01.25	SW DRAINAGE LAYOUT UPDATED ISSUED FOR PLANNING	TD	AS

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Client: CABRIZ GROUP
Project: PROPOSED RESIDENTIAL & CRECHE DEVELOPMENT AT HILL STREET, DUNDAL
Title: PROPOSED STORM WATER NETWORKS LAYOUT

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
W369	OCSC	XX	XX	DR	C	0504	S4	P04

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