

DO NOT SCALE DRAWING

- PERMEABLE PAVING
GREEN ROOFS (MINIMUM 60%)
TRIM TRAILS (DISCHARGE TO EXTENSIVE LANDSCAPED AREAS)
ACCESS ROADS (DISCHARGE TO PERMEABLE PARKING / DRY SWALE)
ROADSTONE DURAFLOW PERMEABLE PAVING

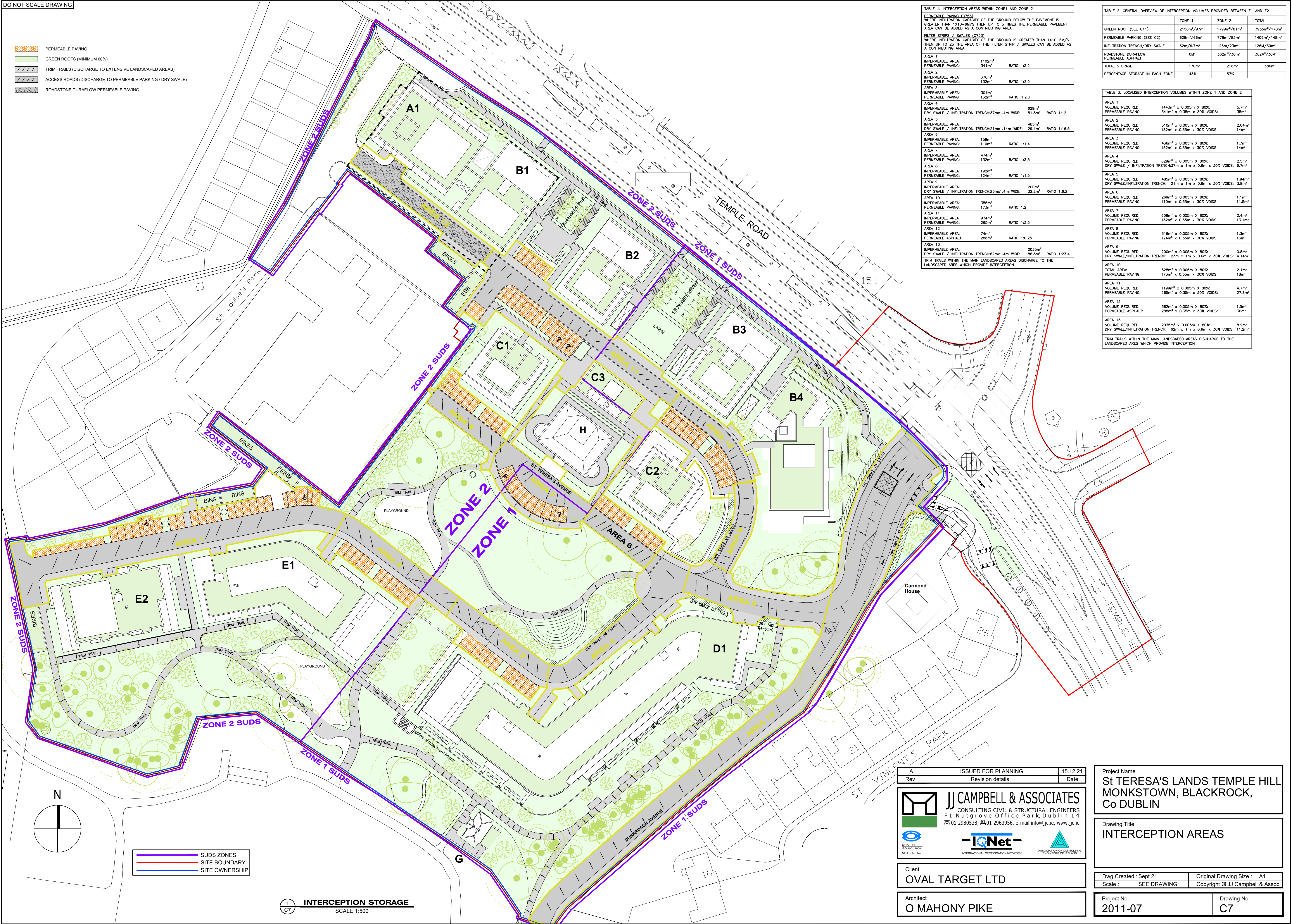


TABLE 1. INTERCEPTION AREAS WITHIN ZONE 1 AND ZONE 2			
PERMEABLE PAVING (C753) WHERE INFILTRATION CAPACITY OF THE GROUND BELOW THE PAVEMENT IS GREATER THAN 1X10-6M/S THEN UP TO 5 TIMES THE PERMEABLE PAVEMENT AREA CAN BE ADDED AS A CONTRIBUTING AREA.			
FILTER STRIPS / SWALES (C753) WHERE INFILTRATION CAPACITY OF THE GROUND IS GREATER THAN 1X10-6M/S THEN UP TO 25 THE AREA OF THE FILTER STRIP / SWALES CAN BE ADDED AS A CONTRIBUTING AREA.			
AREA 1 IMPERMEABLE AREA: PERMEABLE PAVING:	1102m ² 341m ²	RATIO 1:3.2	
AREA 2 IMPERMEABLE AREA: PERMEABLE PAVING:	376m ² 132m ²	RATIO 1:2.9	
AREA 3 IMPERMEABLE AREA: PERMEABLE PAVING:	304m ² 132m ²	RATIO 1:2.3	
AREA 4 IMPERMEABLE AREA: DRY SWALE / INFILTRATION TRENCH37mx1.4m WIDE:	629m ² 51.8m ²	RATIO 1:12	
AREA 5 IMPERMEABLE AREA: DRY SWALE / INFILTRATION TRENCH21mx1.14m WIDE:	485m ² 29.4m ²	RATIO 1:16.5	
AREA 6 IMPERMEABLE AREA: PERMEABLE PAVING:	159m ² 110m ²	RATIO 1:1.4	
AREA 7 IMPERMEABLE AREA: PERMEABLE PAVING:	474m ² 132m ²	RATIO 1:3.5	
AREA 8 IMPERMEABLE AREA: PERMEABLE PAVING:	192m ² 124m ²	RATIO 1:1.5	
AREA 9 IMPERMEABLE AREA: DRY SWALE / INFILTRATION TRENCH23mx1.4m WIDE:	200m ² 32.2m ²	RATIO 1:6.2	
AREA 10 IMPERMEABLE AREA: PERMEABLE PAVING:	355m ² 173m ²	RATIO 1:2	
AREA 11 IMPERMEABLE AREA: PERMEABLE PAVING:	934m ² 255m ²	RATIO 1:3.5	
AREA 12 IMPERMEABLE AREA: PERMEABLE ASPHALT:	74m ² 288m ²	RATIO 1:0.25	
AREA 13 IMPERMEABLE AREA: DRY SWALE / INFILTRATION TRENCH2mx1.4m WIDE:	2035m ² 66.1m ²	RATIO 1:23.4	
TRIM TRAILS WITHIN THE MAIN LANDSCAPED AREAS DISCHARGE TO THE LANDSCAPED AREAS WHICH PROVIDE INTERCEPTION			

TABLE 2. GENERAL OVERVIEW OF INTERCEPTION VOLUMES PROVIDED BETWEEN Z1 AND Z2			
	ZONE 1	ZONE 2	TOTAL
GREEN ROOF (SEE C11)	2156m ² /97m ²	1799m ² /81m ²	3955m ² /178m ²
PERMEABLE PARKING (SEE C2)	628m ² /66m ²	778m ² /82m ²	1409m ² /148m ²
INFILTRATION TRENCH/DRY SWALE	82m ² /6.7m ²	126m ² /23m ²	128m ² /30m ²
ROADSTONE DURAFLOW PERMEABLE ASPHALT	0m ²	362m ² /30m ²	362m ² /30m ²
TOTAL STORAGE	170m ²	216m ²	386m ²
PERCENTAGE STORAGE IN EACH ZONE	43%	57%	

TABLE 3. LOCALISED INTERCEPTION VOLUMES WITHIN ZONE 1 AND ZONE 2			
AREA 1 VOLUME REQUIRED: PERMEABLE PAVING:	1443m ³ x 0.005m x 80% 341m ³ x 0.35m x 30% VOIDS:	5.7m ³ 35m ³	
AREA 2 VOLUME REQUIRED: PERMEABLE PAVING:	510m ³ x 0.005m x 80% 132m ³ x 0.35m x 30% VOIDS:	2.04m ³ 14m ³	
AREA 3 VOLUME REQUIRED: PERMEABLE PAVING:	436m ³ x 0.005m x 80% 132m ³ x 0.35m x 30% VOIDS:	1.7m ³ 14m ³	
AREA 4 VOLUME REQUIRED: DRY SWALE / INFILTRATION TRENCH37m x 1m x 0.6m x 30% VOIDS:	629m ³ x 0.005m x 80% INFILTRATION TRENCH37m x 1m x 0.6m x 30% VOIDS:	2.5m ³ 6.7m ³	
AREA 5 VOLUME REQUIRED: DRY SWALE/INFILTRATION TRENCH: 21m x 1m x 0.6m x 30% VOIDS:	485m ³ x 0.005m x 80% 29.4m ³ x 0.35m x 30% VOIDS:	1.94m ³ 3.8m ³	
AREA 6 VOLUME REQUIRED: PERMEABLE PAVING:	289m ³ x 0.005m x 80% 110m ³ x 0.35m x 30% VOIDS:	1.1m ³ 11.5m ³	
AREA 7 VOLUME REQUIRED: PERMEABLE PAVING:	606m ³ x 0.005m x 80% 132m ³ x 0.35m x 30% VOIDS:	2.4m ³ 13.1m ³	
AREA 8 VOLUME REQUIRED: PERMEABLE PAVING:	316m ³ x 0.005m x 80% 124m ³ x 0.35m x 30% VOIDS:	1.3m ³ 13m ³	
AREA 9 VOLUME REQUIRED: DRY SWALE/INFILTRATION TRENCH: 23m x 1m x 0.6m x 30% VOIDS:	200m ³ x 0.005m x 80% 32.2m ³ x 0.35m x 30% VOIDS:	0.8m ³ 4.1m ³	
AREA 10 TOTAL AREA: PERMEABLE PAVING:	528m ³ x 0.005m x 80% 175m ³ x 0.35m x 30% VOIDS:	2.1m ³ 18m ³	
AREA 11 VOLUME REQUIRED: PERMEABLE PAVING:	1199m ³ x 0.005m x 80% 285m ³ x 0.35m x 30% VOIDS:	4.7m ³ 27.8m ³	
AREA 12 VOLUME REQUIRED: PERMEABLE ASPHALT:	362m ³ x 0.005m x 80% 288m ³ x 0.35m x 30% VOIDS:	1.5m ³ 30m ³	
AREA 13 VOLUME REQUIRED: DRY SWALE/INFILTRATION TRENCH: 62m x 1m x 0.6m x 30% VOIDS:	2035m ³ x 0.005m x 80% 62m ³ x 1m x 0.6m x 30% VOIDS:	8.2m ³ 11.2m ³	
TRIM TRAILS WITHIN THE MAIN LANDSCAPED AREAS DISCHARGE TO THE LANDSCAPED AREAS WHICH PROVIDE INTERCEPTION			

- SUDS ZONES
SITE BOUNDARY
SITE OWNERSHIP

INTERCEPTION STORAGE
SCALE 1:500

A	ISSUED FOR PLANNING	15.12.21
Rev	Revision details	Date
JJ CAMPBELL & ASSOCIATES CONSULTING CIVIL & STRUCTURAL ENGINEERS F1 Nutgrove Office Park, Dublin 14 01 2980538, 01 2963956, e-mail info@jjc.ie, www.jjc.ie		
Client	OVAL TARGET LTD	
Architect	O MAHONY PIKE	

Project Name St TERESA'S LANDS TEMPLE HILL MONKSTOWN, BLACKROCK, Co DUBLIN	
Drawing Title INTERCEPTION AREAS	
Dwg Created : Sept 21 Scale : SEE DRAWING	Original Drawing Size : A1 Copyright © JJ Campbell & Assoc
Project No. 2011-07	Drawing No. C7