



FOUL DISCHARGE POINT FOR ALL LANDS UNDER APPLICANT'S OWNERSHIP SOUTH OF STOCKING AVENUE. DISCHARGING THROUGH FOUL NETWORK NORTH OF STOCKING AVENUE AS INSTALLED UNDER SD14A/0222 (ALSO UNDER APPLICANT'S OWNERSHIP), TO THE EXISTING 450MM DIAMETER FOUL DRAIN WHICH CROSSES UNDER THE M50 MOTORWAY

SURFACE WATER DISCHARGE POINT FOR ALL LANDS UNDER THE APPLICANT'S OWNERSHIP SOUTH OF STOCKING AVE. DISCHARGING AT A Q-BAR OF 38 L/SEC (AS PER SD10A/0041) DISCHARGING THROUGH SURFACE WATER DRAINAGE NETWORK NORTH OF STOCKING AVENUE (ALSO UNDER APPLICANT'S OWNERSHIP), TO THE EXISTING 600MM DIAMETER SURFACE WATER DRAIN WHICH CROSSES UNDER THE M50 MOTORWAY .

MANHOLE CONTAINING FLOW CONTROL DEVICE RESTRICTING SURFACE WATER RUNOFF TO 38L/SEC INSTALLED UNDER SD10A/0041

ATTENUATION TANK INSTALLED UNDER PLANNING APPLICATION SD10/0041 SIZED TO ACCOMMODATE CATCHMENT A (WHITE PINES SOUTH SD10A/0041) CATCHMENT B (WHITE PINES RETAIL SD19A/0343) CATCHMENT C1 (SUBJECT APPLICATION) REF. INFRASTRUCTURE DESIGN REPORT SECTION 3.2.7 INSTALLED VOLUME: 809 m³ VOLUME REQUIRED FOR CATCHMENT A: 535.5 m³ VOLUME REQUIRED FOR CATCHMENT B: 130 m³ VOLUME PROVIDED FOR CATCHMENT C1: 128 m³

CATCHMENT B (APPROVED UNDER SD19A/0345)

CATCHMENT C (SUBJECT APPLICATION)

CATCHMENT A (APPROVED UNDER SD10A/0041)

ON ORIGINAL
0 5 10 15 20 25 30 40 50m

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NOTES:

- ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CIVIL ENGINEERING SPECIFICATION AND STANDARD CONSTRUCTION DETAILS.
- ALL DIMENSIONS IN METRES UNLESS SPECIFIED OTHERWISE.
- ALL CO-ORDINATES ARE TO IRISH TRANSVERSE MERCATOR.
- ALL LEVELS ARE TO DRAINAGE DATUM (MAIN HEAD).
- ALL TEMPORARY TRAFFIC & OPERATIONS MANAGEMENT SHALL COMPLY FULLY WITH THE CIVIL ENGINEERING SPECIFICATION AND STANDARD CONSTRUCTION DETAILS.
- THE CONTRACTOR MUST LIAISE DIRECTLY WITH LOCAL AUTHORITY DEPARTMENTS AS DIRECTED IN THE CIVIL ENGINEERING SPECIFICATION AND STANDARD CONSTRUCTION DETAILS.
- ALL VEHICULAR & PEDESTRIAN, CYCLE & PRIVATE ACCESS ROUTES WITHIN AND SURROUNDING THE WORKS EXTENTS MUST BE MAINTAINED THROUGHOUT THE WORKS IN ACCORDANCE WITH THE CONTRACTORS APPROVED TEMPORARY TRAFFIC MANAGEMENT WORKS & CONSTRUCTION MANAGEMENT PLAN.
- ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES.
- CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF EXISTING DRAINAGE LEVELS & THE LOCATION OF EXISTING SERVICES ON SITE PRIOR TO COMMENCEMENT OF WORKS ON SITE.
- ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE NRA SPECIFICATION FOR ROAD WORKS UNLESS NOTED OTHERWISE.
- MANHOLE COVER LEVELS ARE TO CONFORM WITH FINISHED ROAD AND PATH LEVELS.
- ALL SURFACE WATER DRAINAGE WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY'S CODE OF PRACTICE FOR DRAINAGE AND THE GOODS.
- ALL FOUL DRAINAGE WORKS TO BE IN ACCORDANCE WITH IRISH WATERS' CODE OF PRACTICE FOR WASTEWATER SUPPLY AND WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
- FOUL SEWERS TO BE CONCRETE PIPES (SPRINT AND SOCKET JOINTS AND RUBBER RING FITTINGS COMPLYING WITH IS EN 1916) OR THERMOPLASTIC STRUCTURED WALL PIPES (COMPLYING WITH THE PROVISIONS OF IS EN 13476 AND HIS 4-35-01 2000) AND COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE.
- ALL SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO EN1916 & IS 2004.
- SURFACE WATER COLLECTOR DRAINS 150mm DIA.
- FOUL HOUSE CONNECTIONS TO BE 100mm DIA.
- CONTRACTOR SHALL INSPECT THE ROUTE & CONFIRM LOCATIONS OF ALL TREES, FEATURES, ENTRANCES & ASPECTS IMPACTING CONSTRUCTION OF THE WORKS.
- NOTE THAT THE CONTRACTOR AND/OR ARCHITECT ARE RESPONSIBLE FOR CONNECTIONS INTO THE BUILDING.

CATCHMENT A IS A SINGLE SURFACE WATER CATCHMENT WHICH IS DENOTED ON THIS DRAWING AS:

CATCHMENT A-1 WHICH REPRESENTS THE LANDS DEVELOPED UNDER SD10A/0041

CATCHMENT A-2 WHICH REPRESENTS LANDS SUBJECT TO PLANNING APP.

LEGEND:

- RED LINE BOUNDARY - SUBJECT TO PLANNING APP.
- CATCHMENT A
- CATCHMENT B
- CATCHMENT C (SUBJECT APPLICATION)
- LANDS UNDER APPLICANT'S OWNERSHIP SOUTH OF STOCKING AVE.
- DIVISION BETWEEN CATCHMENT C1 & C2

P01	07-05-21	ABP APPLICATION	JVS	BK
rev	date	description	by	chkd.
		A - Approved		
		B - Approved with comments		
		C - Do not use		

client approval

suitability SO - WORK IN PROGRESS PLANNING

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project ref. **WHITE PINES CENTRAL RESIDENTIAL DEVELOPMENT**

drawing title **SURFACE WATER CATCHMENTS LAYOUT**

client **ARDSTONE HOMES**

designed by SPB author JUB scale 1:750 sheet size A1
drawing no. 190004-DBFL-SW-DR-C-1001 revision P01

Catchment Summary "All Lands Under Applicants Ownership" South of Stocking Ave.	Catchment Area	Impermeable Area	Allowable Outflow (L/Sec)	Required Storage Volume	Underground Storage Volume Provided
A "White Pines South" (SD10A / 0041)	3.355Ha	1.526Ha	38.0 (i.e. allowable outflow from Lands Under Applicants Ownership South of Stocking Ave, SD10A / 0041.	535m ³ Catchment A	809 m ³
B "White Pines Retail" (SD19A/0345)	0.746Ha	0.497Ha		130m ³ Catchment B	Attenuation Provided for Catchment A & C1
C1 "Subject Application" (Lower Catchment)	0.545Ha	0.219		128m ³ Catchment C1	EXISTING
C2 "Subject Application" (Upper Catchment)	1.544Ha	0.48	3.3	210 m ³ Catchment C2	228.5 m ³
Total:	6.190Ha	2.659Ha		1003 m³	1037.5 m³

Note: Catchment C1 & C2 are Sub Catchments of Catchment C