

NOTE

1. SURFACE WATER TO BE INSTALLED WITH RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS HOUSING AREAS.
2. ALL SURFACE WATER PIPES UP TO AND INCLUDING Ø300MM ARE TWINWALL, SN8 PIPES. ROAD GULLY CONNECTION PIPES ARE UPVC OR TWINWALL, SN8 PIPES.
3. 150MM CONCRETE SURROUND IS TO BE USED WHEN PIPE COVER IS LESS THAN 1.2M IN ROADWAYS AND 0.9M IN OPEN SPACE AND IT SHALL COMPLY WITH IW STANDARD DETAIL STD-WW-08.
4. COVERS OF ALL EXISTING MANHOLES TO BE ADJUSTED TO FIT PROPOSED FINISHED LEVELS.
5. CLASS D400 DOUBLE TRIANGULAR COVERS TO BE USED FOR SURFACE WATER MANHOLES. TO COMPLY WITH GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
6. LINEAR SURFACE WATER CHANNEL TO BE PROVIDED AT ALL MAIN FRONT DOORS AND ANY OTHERS INDICATED ON ARCHITECTURAL DRAWINGS. TO BE CONNECTED TO NEAREST SURFACE WATER AJ.
7. FOR HOUSE DRAINAGE REFER TO ARCHITECTS DRAWINGS.
8. ALL SURFACE WATER AND FOUL SEWER PIPES ARE TO BE CONNECTED SOFFIT TO SOFFIT, UNLESS OTHERWISE DESCRIBED ON THE DRAWING.
9. PROPOSED ACO KERBDRAIN 305 KOMPACT SYSTEM OR SIMILAR APPROVED TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.

revision details

A	07/02/22	ISSUED FOR PLANNING
B	11/09/23	ISSUED FOR PART 8 APPLICATION

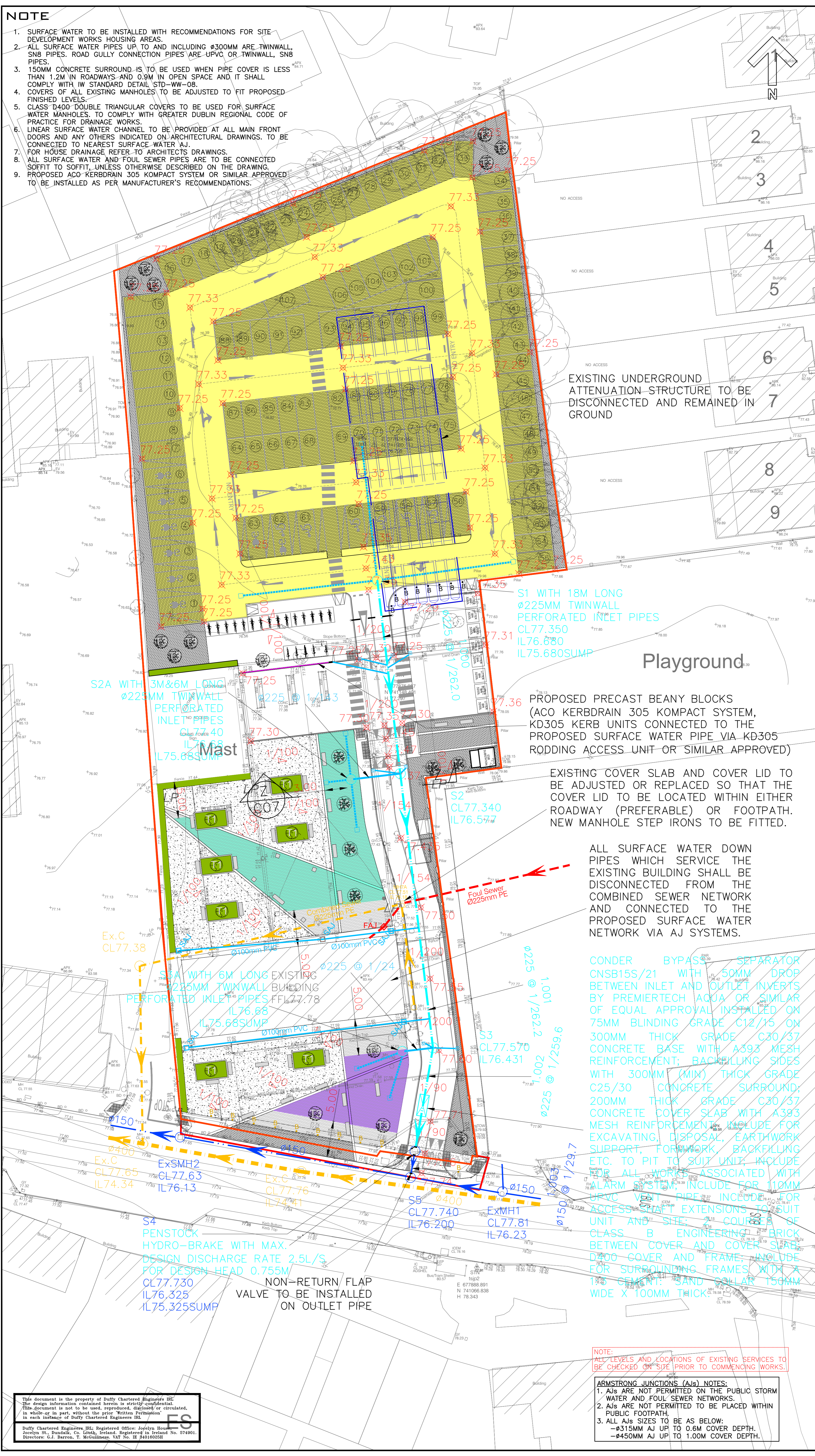
OSI LICENCE NO EN 0014523
 ALL LEVELS ARE IN METERS AND REFER TO ORDNANCE SURVEY DATUM (MALIN HEAD). CO-ORDINATES ARE TO ITM.

LEGEND

- SITE OUTLINE IN RED
- EXISTING FOUL SEWER PIPELINE
- EXISTING COMBINED SEWER PIPELINE
- PROPOSED SURFACE WATER PIPELINE
- EXISTING SURFACE WATER PIPELINE
- - PROPOSED SURFACE WATER PCC Ø1200 MANHOLE WITH D400 COVER
- ⊗ - PROPOSED ROAD GULLY WITH D400 GRATING
- SAU - PROPOSED SURFACE WATER AJ WITH B125 BOLTED COVER

- AREA C1 = 3000M², STORAGE CAPACITY = 480M³ ATTENUATION STORAGE STRUCTURE PROVIDED IN STONE SUB-BASE (CLEAN CRUSHED, WASHED, 20-50MM ANGULAR STONE WITH 40% VOIDS), STORAGE DESIGN INVERT LEVEL=76.68M, STORAGE DESIGN TOP LEVEL=77.08M (SEE SECTION A ON DWG 4456 C04 FOR DETAILS).
- AREA C2 = 240M², STORAGE CAPACITY = 38.4M³ ATTENUATION STORAGE STRUCTURE PROVIDED IN STONE SUB-BASE (CLEAN CRUSHED, WASHED, 20-50MM ANGULAR STONE WITH 40% VOIDS), STORAGE DESIGN INVERT LEVEL=76.68M, STORAGE DESIGN TOP LEVEL=77.08M (SEE SECTION B ON DWG 4456 C04 FOR DETAILS).
- AREA C3 = 113M², STORAGE CAPACITY = 18.1M³ ATTENUATION STORAGE STRUCTURE PROVIDED IN STONE SUB-BASE (CLEAN CRUSHED, WASHED, 20-50MM ANGULAR STONE WITH 40% VOIDS), STORAGE DESIGN INVERT LEVEL=76.68M, STORAGE DESIGN TOP LEVEL=77.08M (SEE SECTION C ON DWG 4456 C04 FOR DETAILS).

OVERALL ATTENUATION STORAGE CAPACITY REQUIRED = 536.5M³
 OVERALL ATTENUATION STORAGE CAPACITY PROVIDED = 480M³ (AREA C1) + 38.4M³ (AREA C2) + 18.1M³ (AREA C3) = 536.5M³



EXISTING UNDERGROUND ATTENUATION STRUCTURE TO BE DISCONNECTED AND REMAINED IN GROUND

S1 WITH 18M LONG Ø225MM TWINWALL PERFORATED INLET PIPES
 CL77.350
 IL76.680
 IL75.680SUMP

S2A WITH 3M&6M LONG Ø225MM TWINWALL PERFORATED INLET PIPES
 CL77.340
 IL76.680
 IL75.680SUMP

PROPOSED PRECAST BEANY BLOCKS (ACO KERBDRAIN 305 KOMPACT SYSTEM, KD305 KERB UNITS CONNECTED TO THE PROPOSED SURFACE WATER PIPE VIA KD305 RODDING ACCESS UNIT OR SIMILAR APPROVED)

EXISTING COVER SLAB AND COVER LID TO BE ADJUSTED OR REPLACED SO THAT THE COVER LID TO BE LOCATED WITHIN EITHER ROADWAY (PREFERABLE) OR FOOTPATH. NEW MANHOLE STEP IRONS TO BE FITTED.

ALL SURFACE WATER DOWN PIPES WHICH SERVICE THE EXISTING BUILDING SHALL BE DISCONNECTED FROM THE COMBINED SEWER NETWORK AND CONNECTED TO THE PROPOSED SURFACE WATER NETWORK VIA AJ SYSTEMS.

CONDOR BYPASS SEPARATOR CNSB15S/21 WITH 50MM DROP BETWEEN INLET AND OUTLET INVERTS BY PREMIERTECH AQUA OR SIMILAR OF EQUAL APPROVAL INSTALLED ON 75MM BLINDING GRADE C12/15 ON 300MM THICK GRADE C30/37 CONCRETE BASE WITH A393 MESH REINFORCEMENT; BACKFILLING SIDES WITH 300MM (MIN) THICK GRADE C25/30 CONCRETE SURROUND; 200MM THICK GRADE C30/37 CONCRETE COVER SLAB WITH A393 MESH REINFORCEMENT. INCLUDE FOR EXCAVATING, DISPOSAL, EARTHWORK SUPPORT, FORMWORK, BACKFILLING ETC. TO PIT TO SUIT UNIT; INCLUDE FOR ALL WORKS ASSOCIATED WITH ALARM SYSTEM; INCLUDE FOR 110MM UPVC VENT PIPE INCLUDE FOR ACCESS STAIR EXTENSIONS TO SUIT UNIT AND SITE. COURSE OF CLASS B ENGINEERING BRICK BETWEEN COVER AND COVER SLAB; D400 COVER AND FRAME; INCLUDE FOR SURROUNDING FRAMES WITH A 1% CEMENT SAND COLLAR 150MM WIDE X 100MM THICK.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DCE DRAWINGS



CIVIL • STRUCTURAL • TRAFFIC
 Second Floor, Avenue Road Centre
 Dundalk, Co. Louth, A91 FT92 Ireland
 Tel. : +353 42 935 1600
 Fax : +353 42 935 1601
 E-mail : info@dce.ie
 Web : www.dce.ie

Client: MEATH COUNTY COUNCIL



Job Title: ENFIELD - TOWN CENTRE PARKING

Drawing Title: DRAINAGE PLAN

Scale:	1:250@A1	Dwg no:	C06
Drawn by:	KK	Job no.:	4456
Checked by:	GJB	Rev. no.:	B
File no.:	4456 C06	Date:	07/02/22

NOTE: ALL LEVELS AND LOCATIONS OF EXISTING SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING WORKS.

ARMSTRONG JUNCTIONS (AJs) NOTES:
 1. AJs ARE NOT PERMITTED ON THE PUBLIC STORM WATER AND FOUL SEWER NETWORKS.
 2. AJs ARE NOT PERMITTED TO BE PLACED WITHIN PUBLIC FOOTPATH.
 3. ALL AJs SIZES TO BE AS BELOW:
 -Ø315MM AJ UP TO 0.6M COVER DEPTH.
 -Ø450MM AJ UP TO 1.00M COVER DEPTH.

This document is the property of Duffy Chartered Engineers IRL. The design information contained herein is strictly confidential. This document is not to be used, reproduced, disclosed or circulated, in whole or in part, without the prior written permission in each instance of Duffy Chartered Engineers IRL.
 Duffy Chartered Engineers IRL. Registered Office: Jocelyn House, Jocelyn St., Dundalk, Co. Louth, Ireland. Registered in Ireland No. 574901. Directors: G.J. Barron, T. McGillicuddy. VAT No. IE 840160020H