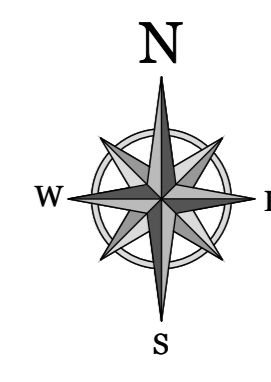


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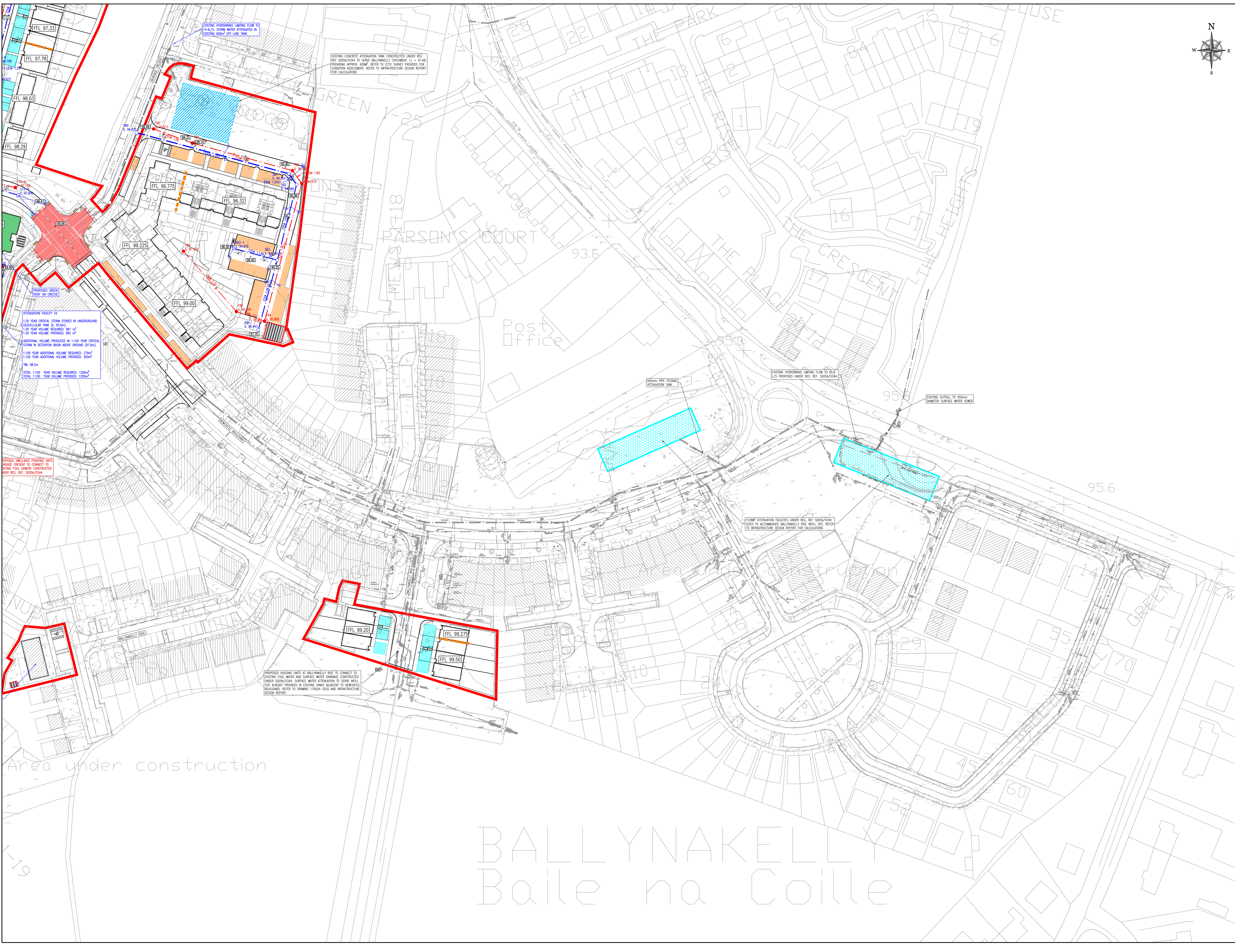
ON ORIGINAL
0 10 20 30 40 50mm

NOTES:
1. ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES.
2. ALL LEVELS ARE IN METRES AND ARE RELATED TO ORDNANCE DATUM.
3. CONTRACTOR SHALL VERIFY HIMSELF AS TO THE ACCURACY OF FINISHED LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORKS ON SITE.
4. ALL FOUL SEWERS AND MANHOLES TO BE AS PER IRISH WATER STANDARDS DETAILS AND IRISH WATER CODE OF PRACTICE FOR INSTALLATION.
5. ALL SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO EN15196 & E & 2004 OR APVC TO EN12451 AS PER THE CREATED DRAIN REGIONAL CODE OF PRACTICE.
6. NOTE THAT THE CONTRACTOR AND/OR ARCHITECT ARE RESPONSIBLE FOR CONNECTIONS INTO THE BUILDING.
7. WHERE COVERS ARE LOCATED IN GRASS AREAS, THEY SHALL BE SURROUNDED BY A CONCRETE SLAB, 200MM ALL ROUND AND 150MM DEEP FORMED WITH C20/25 CONCRETE, 20MM AGGREGATE SIZE, BEDDED IN CLASS 8/8 MATERIAL.



SERVICES LEGEND

	PROPOSED SITE BOUNDARY
	PROPOSED SURFACE WATER SEWER
	ROAD GULLY
	PROPOSED FILTER DRAIN WITH SURFACE WATER SHALE
	PERMEABLE PAVING (PRIVATE)
	PERMEABLE PAVING (MANAGEMENT COMPANY)
	EXISTING SURFACE WATER SEWER
	PROPOSED FOUL SEWER
	EXISTING FOUL SEWER
	PROPOSED LEVELS
	EXISTING LEVELS
	FINISHED FLOOR LEVEL
	ROAD GRADIENT



ATTENUATION FACILITY 11
1:30 YEAR CRITICAL STORM STORED IN UNDERGROUND GEOCELLULAR TANK (L: 95.8m)
1:30 YEAR VOLUME REQUIRED: 881 m³
1:30 YEAR VOLUME PROVIDED: 891 m³
ADDITIONAL VOLUME PRODUCED IN 1:100 YEAR CRITICAL STORM IN DETENTION BASIN ABOVE GROUND (97.6m)
1:100 YEAR ADDITIONAL VOLUME REQUIRED: 279m³
1:100 YEAR ADDITIONAL VOLUME PROVIDED: 302m³
TOTAL 1:100 YEAR VOLUME REQUIRED: 1160m³
TOTAL 1:100 YEAR VOLUME PROVIDED: 1193m³

PROPOSED DRAINLINES FRONTING ONLY
PLEASE PRESENT TO CONNECT TO
EXISTING FOUL SEWERS CONSTRUCTED
UNDER REG. REF. S050A/0344

PROPOSED HOUSING UNITS AT BALLYNAKELLY RISE TO CONNECT TO
EXISTING FOUL WATER AND SURFACE WATER DRAINAGE CONSTRUCTED
UNDER S050A/0344. SURFACE WATER ATTENUATION TO SERVE IN-FILL
SITE ALREADY PROVIDED IN EXISTING TANKS ADJACENT TO NEWCASTLE
BULEVARDE. REFER TO DRAWING 170024-3002 AND INFRASTRUCTURE
DESIGN REPORT.

150MM ATTENUATION FACILITIES UNDER REG. REF. S050A/0344
SIZED TO ACCOMMODATE BALLYNAKELLY RISE INFILL SITE. REFER
TO INFRASTRUCTURE DESIGN REPORT FOR CALCULATIONS.

BALLYNAKELLY Baile na Coille

REV.	DATE	DESCRIPTION	BY	CHECKED
PLANNING				
DESIGNED	NO.03	PREPARED	PLG	
DATE	SEP 2014	CHECKED	PLG	
DEFL Consulting Engineers 14/22 Connaught Row, Dublin 7, Ireland phone: +353 1 402 4200 fax: +353 1 402 4200 www.info@defl.ie www.info@defl.ie				
PROJECT: LANDS AT NEWCASTLE, SOUTH DUBLIN				
DRG. TITLE: SITE SERVICES LAYOUT SHEET 3				
ARCHITECT: MOLA				
SCALE: 1:500 (A4)		FILE REF: 170024-3001		
DRG. NO. 170024-3003				