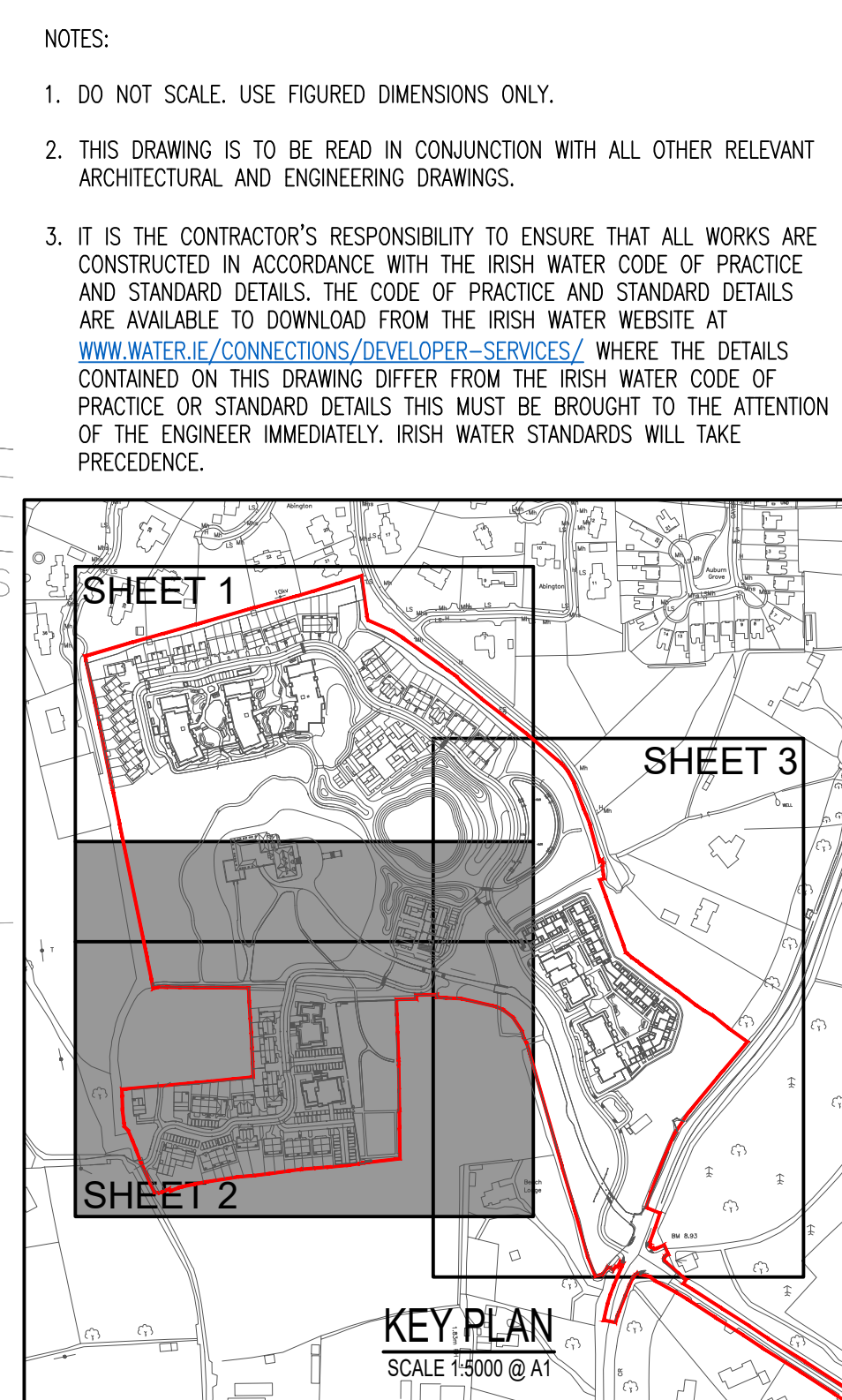
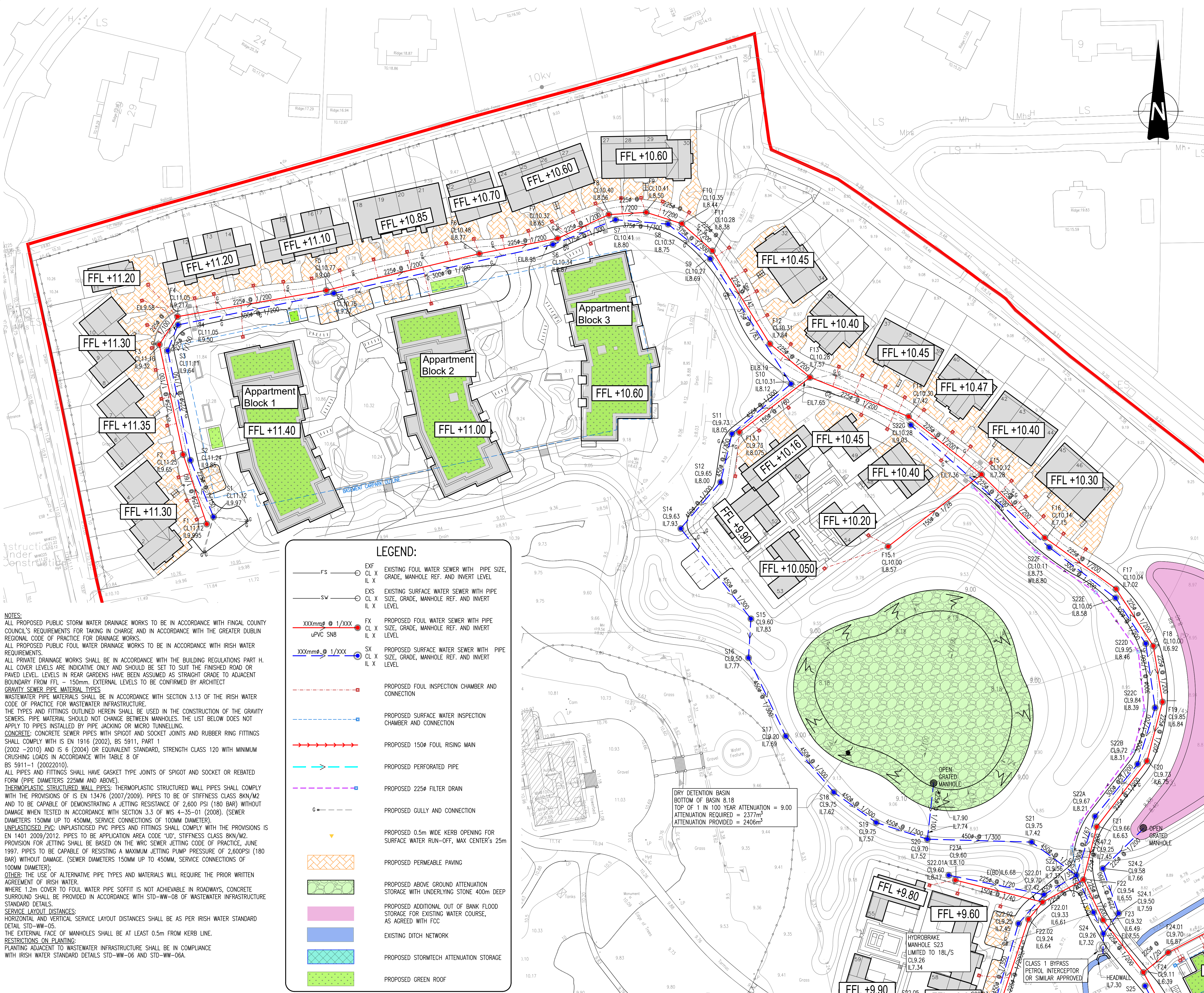




NOTE:
ALL INDIVIDUAL PRIVATE FOUL WATER DRAINS TO BE 100mm PIPES,
MIN AT 1/60, MAX AT 1/30.
ALL COLLECTOR FOUL WATER DRAINS TO BE 150mm PIPES.

NOTES:
ALL PROPOSED PUBLIC STORM WATER DRAINAGE WORKS TO BE IN ACCORDANCE WITH FINGAL COUNTY COUNCIL'S REQUIREMENTS FOR TAKING IN CHARGE AND IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
ALL PROPOSED PUBLIC FOUL WATER DRAINAGE WORKS TO BE IN ACCORDANCE WITH IRISH WATER REQUIREMENTS.
ALL PRIVATE DRAINAGE WORKS SHALL BE IN ACCORDANCE WITH THE BUILDING REGULATIONS PART H. ALL COVER LEVELS ARE INDICATIVE ONLY AND SHOULD BE SET TO SUIT THE FINISHED ROAD OR PAVED LEVEL. LEVELS IN REAR GARDENS HAVE BEEN ASSUMED AS STRAIGHT GRADE TO ADJACENT BOUNDARY FROM FFL - 150mm. EXTERNAL LEVELS TO BE CONFIRMED BY ARCHITECT.
GRAVITY SEWER PIPE MATERIAL TYPES
WASTEWATER PIPE MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 3.13 OF THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.
THE TYPES AND FITTINGS OUTLINED HEREIN SHALL BE USED IN THE CONSTRUCTION OF THE GRAVITY SEWERS. PIPE MATERIAL SHOULD NOT CHANGE BETWEEN MANHOLES. THE LIST BELOW DOES NOT APPLY TO PIPES INSTALLED BY PIPE JACKING OR MICRO TUNNELLING.
CONCRETE: CONCRETE SEWER PIPES WITH SPIGOT AND SOCKET JOINTS AND RUBBER RING FITTINGS SHALL COMPLY WITH IS EN 1916 (2002), BS 5911, PART 1 (2002-2010) AND IS 6 (2004) OR EQUIVALENT STANDARD, STRENGTH CLASS 120 WITH MINIMUM CRUSHING LOADS IN ACCORDANCE WITH TABLE 8 OF BS 5911-1 (2002/2010).
ALL PIPES AND FITTINGS SHALL HAVE GASKET TYPE JOINTS OF SPIGOT AND SOCKET OR REBATED FORM (PIPE DIAMETERS 225MM AND ABOVE).
THERMOPLASTIC STRUCTURED WALL PIPES: THERMOPLASTIC STRUCTURED WALL PIPES SHALL COMPLY WITH THE PROVISIONS OF IS EN 13476 (2007/2009). PIPES TO BE OF STIFFNESS CLASS 8kN/M2 AND TO BE CAPABLE OF DEMONSTRATING A JETTING RESISTANCE OF 2,600 PSI (180 BAR) WITHOUT DAMAGE WHEN TESTED IN ACCORDANCE WITH SECTION 3.3 OF WIS 4-35-01 (2008). (SEWER DIAMETERS 150MM UP TO 450MM, SERVICE CONNECTIONS OF 100MM DIAMETER).
UNPLASTICISED PVC: UNPLASTICISED PVC PIPES AND FITTINGS SHALL COMPLY WITH THE PROVISIONS OF IS EN 1401 2009/2012. PIPES TO BE APPLICATION AREA CODE 'UD', STIFFNESS CLASS 8kN/M2. PROVISION FOR JETTING SHALL BE BASED ON THE WRC SEWER JETTING CODE OF PRACTICE, JUNE 1997. PIPES TO BE CAPABLE OF RESISTING A MAXIMUM JETTING PUMP PRESSURE OF 2,600PSI (180 BAR) WITHOUT DAMAGE. (SEWER DIAMETERS 150MM UP TO 450MM, SERVICE CONNECTIONS OF 100MM DIAMETER).
OTHER: THE USE OF ALTERNATIVE PIPE TYPES AND MATERIALS WILL REQUIRE THE PRIOR WRITTEN AGREEMENT OF IRISH WATER.
WHERE 1.2m COVER TO FOUL WATER PIPE SOFFIT IS NOT ACHIEVABLE IN ROADWAYS, CONCRETE SURROUND SHALL BE PROVIDED IN ACCORDANCE WITH STD-WW-08 OF WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
SERVICE LAYOUT DISTANCES:
HORIZONTAL AND VERTICAL SERVICE LAYOUT DISTANCES SHALL BE AS PER IRISH WATER STANDARD DETAIL STD-WW-05.
THE EXTERNAL FACE OF MANHOLES SHALL BE AT LEAST 0.5m FROM KERB LINE.
RESTRICTIONS ON PLANTING:
PLANTING ADJACENT TO WASTEWATER INFRASTRUCTURE SHALL BE IN COMPLIANCE WITH IRISH WATER STANDARD DETAILS STD-WW-06 AND STD-WW-06A.

LEGEND:

FS	EXISTING FOUL WATER SEWER WITH PIPE SIZE, GRADE, MANHOLE REF. AND INVERT LEVEL
SW	EXISTING SURFACE WATER SEWER WITH PIPE SIZE, GRADE, MANHOLE REF. AND INVERT LEVEL
XXXmm @ 1/XXX	PROPOSED FOUL WATER SEWER WITH PIPE SIZE, GRADE, MANHOLE REF. AND INVERT LEVEL
uPVC S/NB	PROPOSED SURFACE WATER SEWER WITH PIPE SIZE, GRADE, MANHOLE REF. AND INVERT LEVEL
XXXmm @ 1/XXX	PROPOSED FOUL INSPECTION CHAMBER AND CONNECTION
XXXmm @ 1/XXX	PROPOSED SURFACE WATER INSPECTION CHAMBER AND CONNECTION
150mm	PROPOSED 150mm FOUL RISING MAIN
225mm	PROPOSED PERFORATED PIPE
225mm	PROPOSED 225mm FILTER DRAIN
G	PROPOSED GULLY AND CONNECTION
0.5m	PROPOSED 0.5m WIDE KERB OPENING FOR SURFACE WATER RUN-OFF, MAX. CENTER'S 25m
PERMEABLE	PROPOSED PERMEABLE PAVING
ATTENUATION	PROPOSED ABOVE GROUND ATTENUATION STORAGE WITH UNDERLYING STONE 400mm DEEP
OUT OF BANK	PROPOSED ADDITIONAL OUT OF BANK FLOOD STORAGE FOR EXISTING WATER COURSE, AS AGREED WITH FCC
DITCH	EXISTING DITCH NETWORK
STORMTECH	PROPOSED STORMTECH ATTENUATION STORAGE
GREEN ROOF	PROPOSED GREEN ROOF

1:500 0 10.0 20.0 30.0 40.0 50.0m

1:1 0 10 20 30 40 50 60 70 80 90 100

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B	07/23	REVISED FOR NEW PLANNING APPLICATION	PJD	MD
A	07/21	REVISED FOR FINAL SUBMISSION	PJD	MD
REV.	DATE	AMENDMENT	DRN	APPD

STATUS **PLANNING**

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CLIENT **KINWEST LTD.**
ARCHITECT **CONROY CROWE KELLY ARCHITECTS**
PROJECT **AUBURN SHD 2**
TITLE **DRAINAGE LAYOUT SHEET 1 OF 3**

DRAWN PJD	DESIGNED MD	APPROVED MD	DATE APR '20
SCALE 1:500 @ A1	JOB NO. 19-020	DRG. NO. P201	REVISION B

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