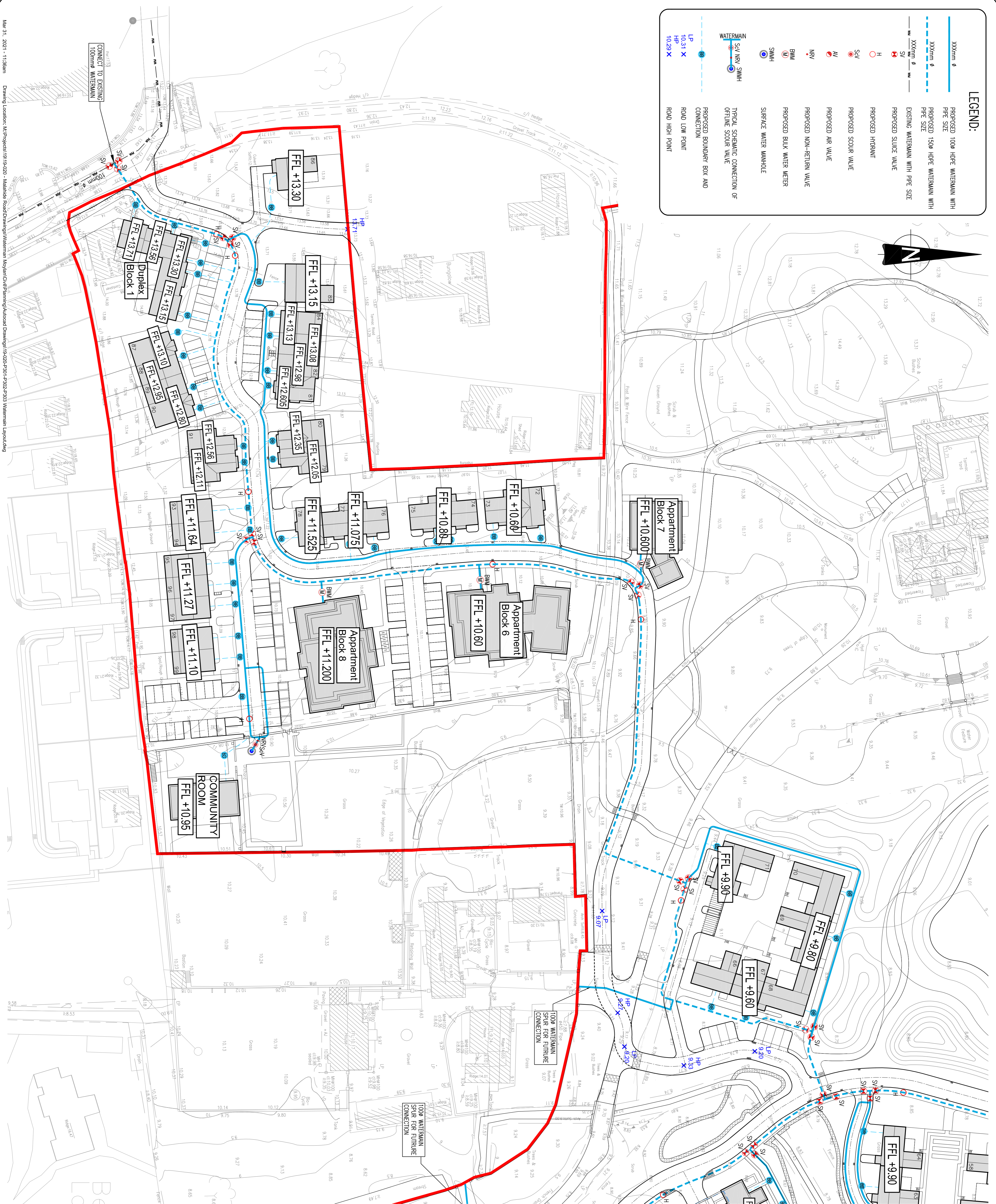
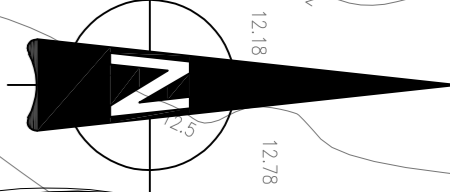


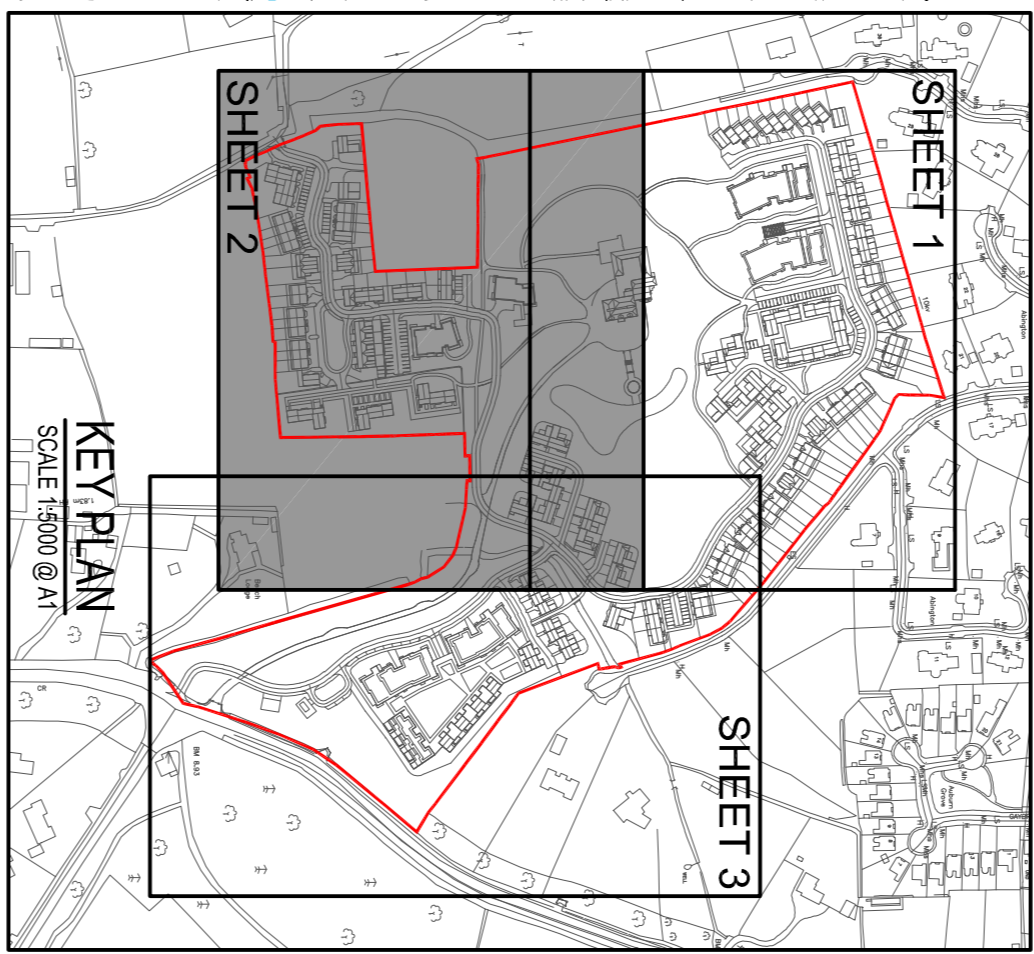
LEGEND:

- XXXXmm Ø
PROPOSED 100Ø HDPE WATERMAIN WITH PIPE SIZE
- XXXXmm Ø
PROPOSED 150Ø HDPE WATERMAIN WITH PIPE SIZE
- XXXXmm Ø
EXISTING WATERMAIN WITH PIPE SIZE
- SV
PROPOSED SLUICE VALVE
- H
PROPOSED HYDRANT
- SV
PROPOSED SCOUR VALVE
- AV
PROPOSED AIR VALVE
- NRV
PROPOSED NON-RETURN VALVE
- BWM
PROPOSED BULK WATER METER
- SMWH
SURFACE WATER MANHOLE
- SW NRV SMWH
TYPICAL SCHEMATIC CONNECTION OF OFFLINE SCOUR VALVE
- PROPOSED BOUNDARY BOX AND CONNECTION
- LP
ROAD LOW POINT
- HP
ROAD HIGH POINT
- 10.29 X



NOTES:

1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.
3. ALL PIPE MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 3.9 OF THE IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE. WATERMANS SHALL BE EITHER DUCTILE IRON (DI) OR POLYETHYLENE (PE), WITH PE80 OR PE100 RATING (HDPE, HDDEOR HPE), ALL PLASTIC WATER PIPES SHALL BE BLUE IN COLOUR.
4. ALL SERVICE CONNECTIONS TO BE 25# HDPE(SR-17).
5. ALL WATERMANS UNDER ROADS OR AT ROAD CROSSINGS TO BE HDPE OR DUCTILE IRON.
6. HDPE DISTRIBUTION PIPES TO BE PE-100(SR-17).
7. DUCTILE IRON PIPES TO IS EN 545 WITH C40 POWER RATING.
8. AIR VALVE AND HYDRANTS COVERS, WHERE LOCATED IN GRASS AREAS, SHALL BE SURROUNDED BY A CONCRETE PLINTH, 200mm ALL ROUND AND 100mm DEEP FORMED WITH C20/25 CONCRETE, 20mm AGGREGATE SIZE, BEDDED IN CLAUSE 804 MATERIAL. THE FINISH SHALL INCORPORATE WILD STEEL REINFORCED LINKS AND SHALL HAVE BUILT-UP FINISH AROUND ITS EXTERNAL PERIMETER.
9. THRUST BLOCKS SHALL BE PROVIDED AT EACH BEND ALONG THE COURSE OF THE WATERMAIN.
10. PLANTING ADJACENT TO WATER INFRASTRUCTURE SHALL COMPLY WITH IRISH WATER STANDARD DETAIL STD-W-12X.
11. HORIZONTAL AND VERTICAL SERVICE LAYOUT DISTANCES SHALL BE AS PER IRISH WATER STANDARD DETAIL STD-W-11.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL WORKS ARE CONSTRUCTED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS. THE CODE OF PRACTICE AND STANDARD DETAILS ARE AVAILABLE TO DOWNLOAD FROM THE IRISH WATER WEBSITE AT WWW.WATERIE/CONNECTIONS/DEVELOPER-SERVICES/, WHERE THE DETAILS COMPARED ON THIS DRAWING DIFFER FROM THE IRISH WATER CODE OF PRACTICE OR STANDARD DETAILS THIS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY. IRISH WATER STANDARDS WILL TAKE PRECEDENCE.



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REV. DATE	AMENDMENT	P/D	MD
A	REVISED FOR FINAL SUBMISSION		MD

STATUS
PLANNING

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CLIENT
KINNEST LTD.

ARCHITECT
CONROY CROWE KELLY ARCHITECTS

PROJECT
ALBURN, MALAHIDE, CO. DUBLIN

DATE	APPROVED	DATE
19-02	MD	APR 20
19-02	MD	REVISION

SCALE
1:500 @ A1

TITLE
WATERMAIN LAYOUT
SHEET 2 OF 3