



LEGEND:

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| XXmm Ø | PROPOSED 1000 HDPE WATERMAIN WITH PIPE SIZE |
| XXmm Ø | PROPOSED 1500 HDPE WATERMAIN WITH PIPE SIZE |
| XXmm Ø | EXISTING WATERMAIN WITH PIPE SIZE |
| SV | PROPOSED SLUICE VALVE |
| H | PROPOSED HYDRANT |
| SAV | PROPOSED SCOUR VALVE |
| AV | PROPOSED AIR VALVE |
| NRV | PROPOSED NON-RETURN VALVE |
| BWM | PROPOSED BULK WATER METER |
| SMH | SURFACE WATER MANHOLE |
| SMH | TYPICAL SCHEMATIC CONNECTION OF OFFLINE SCOUR VALVE |
| SMH | PROPOSED BOUNDARY BOX AND CONNECTION |
| SMH | PROPOSED LOW POINT |
| SMH | ROAD HIGH POINT |

Mar 31, 2021 - 11:38am Drawing Location: \\P:\Projects\191919\2021 - Malahide Road\Drawings\Watermain Moylan\Civil\Planning\Accessed Drawings\191919\2021\2021-03-31\2021-03-31 Moylan\Main Layout.dwg

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, HDPEOR HPE3). 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 PLINTH 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.WATER.IE/CONNECTIONS/DEVELOPER-SERVICES/. WHERE THE DETAILS CONTAINED 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.



1:500 0 100 200 300 400 500m
SCALE 1:500 @ A1

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| REV. NO. | DATE | AMENDMENT | DRN | APPD |
|----------|-------|-------------------------------|-----|------|
| A | 07/01 | RENDERED FOR FINAL SUBMISSION | PJD | MD |

STATUS
PLANNING

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CLIENT
KINWEST LTD.

ARCHITECT
CONROY CROWE KELLY ARCHITECTS

PROJECT
ALBURN, MALAHIDE, CO. DUBLIN

TITLE
WATERMAIN LAYOUT
SHEET 1 OF 3

| DRAWN | DESIGNED | APPROVED | DATE |
|------------|----------|----------|----------|
| PJD | MD | MD | APR 20 |
| SCALE | JOB NO. | DRG NO. | REVISION |
| 1:500 @ A1 | 19-020 | P301 | A |

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