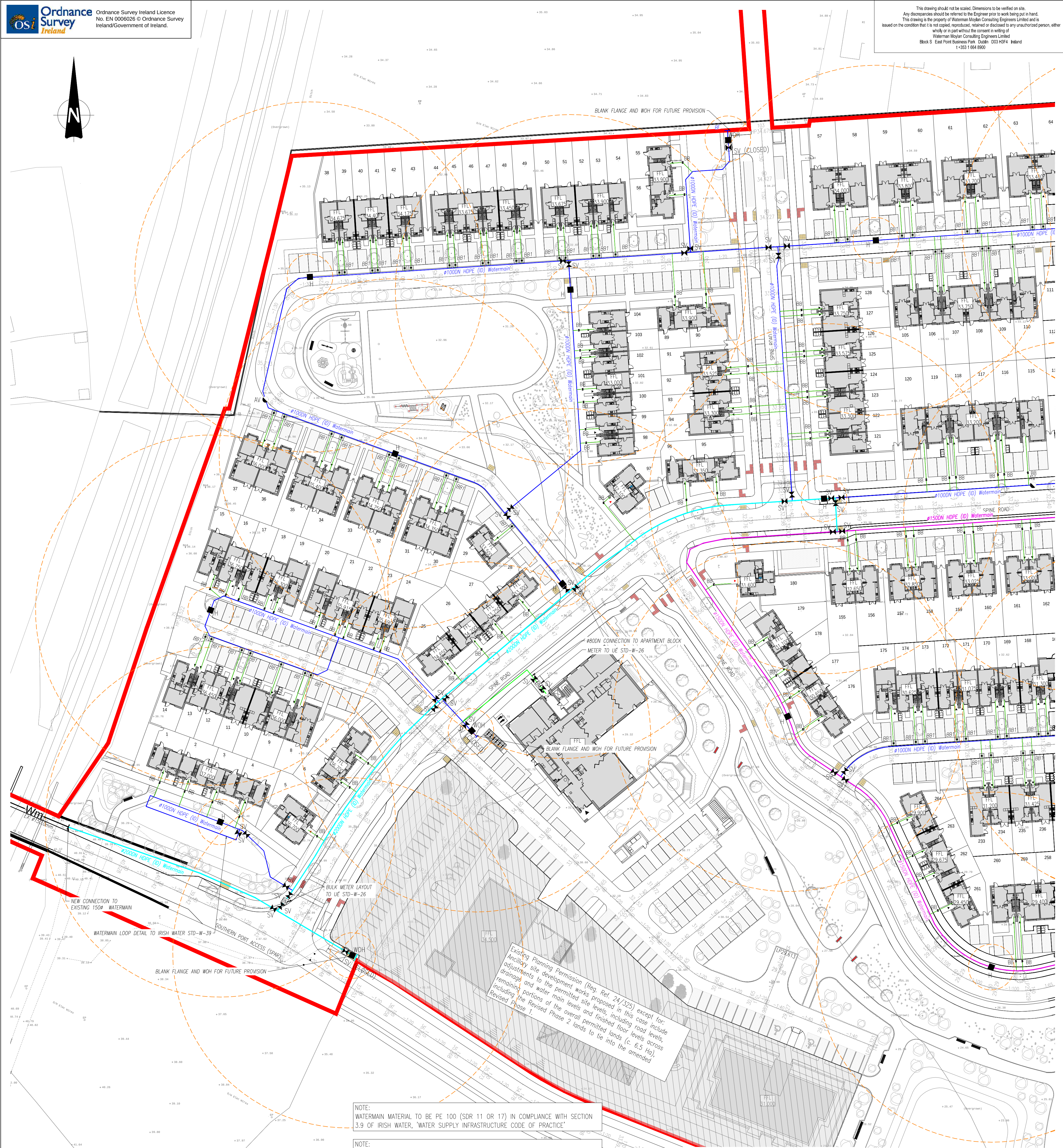
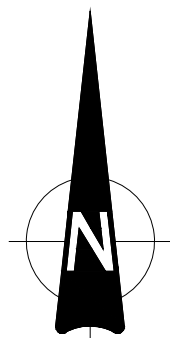




NOTE:
WATERMAIN MATERIAL TO BE PE 100 (SDR 11 OR 17) IN COMPLIANCE WITH SECTION 3.9 OF IRISH WATER, 'WATER SUPPLY INFRASTRUCTURE CODE OF PRACTICE'

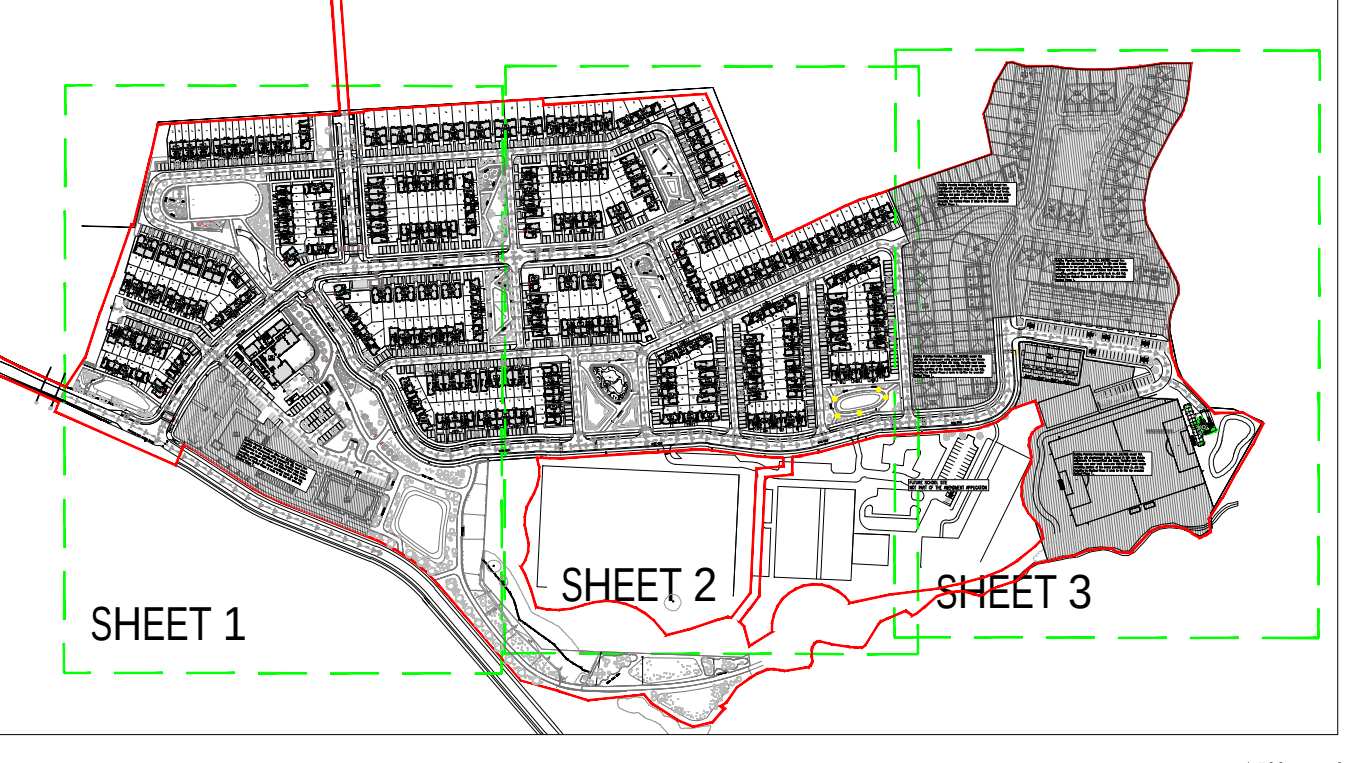
NOTE:
AIR VALVE AND HYDRANTS COVERS, WHERE LOCATED IN GRASS AREAS, SHALL BE SURROUNDED BY A CONCRETE PLINTH IN COMPLIANCE WITH SECTION 3.18 OF IRISH WATER, 'WATER SUPPLY INFRASTRUCTURE CODE OF PRACTICE'

NOTE:
THRUST BLOCKS TO BE PROVIDED AT EACH BEND ALONG THE COURSE OF THE WATERMAIN IN COMPLIANCE WITH SECTION 4.6 OF IRISH WATER, 'WATER SUPPLY INFRASTRUCTURE CODE OF PRACTICE'

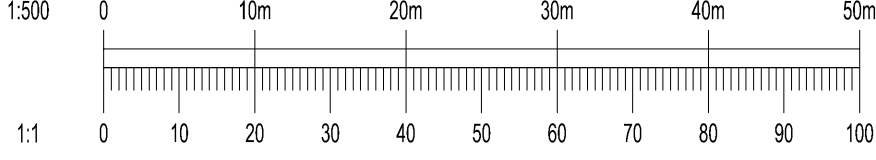
NOTE:
ENSURE DEPTH OF COVER TO WATERMAIN CROWN IS ACHIEVED IN COMPLIANCE WITH SECTION 3.11 OF IRISH WATER, 'WATER SUPPLY INFRASTRUCTURE CODE OF PRACTICE'

NOTE:
SCOUR VALVE ARRANGEMENT AGREED WITH UE DESIGN ENGINEER. 150mm OUTLET PIPE AND FLAP VALVE TO BE USED

- NOTES:
- DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.
 - 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 (MDPE, HDPEOR HDPE). ALL PLASTIC WATER PIPES SHALL BE BLUE IN COLOUR.
 - ALL SERVICE CONNECTIONS TO BE 250mm HDPE(SDR-17).
 - ALL WATERMANS UNDER ROADS OR AT ROAD CROSSINGS TO BE HDPE OR DUCTILE IRON.
 - HDPE DISTRIBUTION PIPES TO BE PE-100(SDR-17).
 - DUCTILE IRON PIPES TO IS EN 545 WITH C40 POWER RATING.
 - 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 MILD STEEL REINFORCED LINKS AND SHALL HAVE BULL-NOSE FINISH AROUND ITS EXTERNAL PERIMETER.
 - THRUST BLOCKS SHALL BE PROVIDED AT EACH BEND ALONG THE COURSE OF THE WATERMAIN.
 - PLANTING ADJACENT TO WATER INFRASTRUCTURE SHALL COMPLY WITH IRISH WATER STANDARD DETAIL STD-W-12A.
 - HORIZONTAL AND VERTICAL SERVICE LAYOUT DISTANCES SHALL BE AS PER IRISH WATER STANDARD DETAIL STD-W-11.
 - IT IS THE CONTRACTORS 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 WEB SITE 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.



KEY
SCALE 1:5000



LEGEND

- | | |
|--|--|
| | EXTENT OF WORKS |
| | EXISTING WATERMAIN |
| | PROPOSED #200mm HDPE (ID) WATERMAIN |
| | PROPOSED #150mm HDPE (ID) WATERMAIN |
| | PROPOSED #100mm HDPE (ID) WATERMAIN |
| | PROPOSED #80mm HDPE (ID) WATERMAIN |
| | PROPOSED #20mm HDPE (ID) HOUSE CONNECTION - KELLAND |
| | PROPOSED BOUNDARY BOX IN HOMEZONE AREA. GRADE B COVER FOR TRAFFICKED AREAS. 200mm CONCRETE PLINTH AROUND THE COVER. 150mm CONCRETE SURROUND TO SIDES AND BASE. |
| | PROPOSED SLUICE VALVE |
| | PROPOSED SCOUR VALVE AND DISCHARGE CHAMBER |
| | PROPOSED HYDRANT / OFF-LINE HYDRANT |
| | PROPOSED AIR VALVE |
| | PROPOSED BULK WATER METER AND SLUICE VALVE ARRANGEMENT |
| | PROPOSED FIRE HYDRANT 46m COVERAGE |
| | PROPOSED ROAD LEVELS, CHAINAGE AND GRADIENT |
| | PROPOSED FINISHED FLOOR LEVEL |

23/10/2026	ISSUED FOR PLANNING	MS	IW
Rev	Date	Description	By
		Amendments	Chk
Project			
MIXED USE DEVELOPMENT AT TINAHASK UPPER, MONEY BIG & MONEY LITTLE, ARKLOW, Co. WICKLOW			
Title			
PROPOSED WATERMAIN LAYOUT SHEET 1 OF 3			
Client			
CASTLETHORN			
BLOCK 5, EASTPOINT BUSINESS PARK, ALFIE BYRNE ROAD, DUBLIN D03 H3F4 IRELAND. Tel: (01) 664 8900 Email: info@waterman-moylan.ie www.waterman-moylan.ie			
Status			
PLANNING			
Designed By	NM	Approved	IW
Drawn By	MS	Date	OCT. 2026
Project	Originator	Volume	Level
Ark	- WAT - ZZ - XX-DR - P - 0301		