



**Legend:**

- SITE BOUNDARY (CO. MEATH)
- WORKS WITHIN CO. KILDARE
- 200mm Ø PROPOSED HDPE SDR17 WATERMAIN
- 150mm Ø PROPOSED HDPE SDR17 WATERMAIN
- 100mm Ø PROPOSED HDPE SDR17 WATERMAIN
- 25mm Ø PROPOSED HDPE SDR17 SERVICE CONNECTION
- 32mm Ø PROPOSED HDPE SDR17 SERVICE CONNECTION
- AREA OF COVERAGE FOR HYDRANT
- ALL FLANGED DUCTILE IRON TEE
- PROPOSED SLUCICE VALVE (STD-W-15)
- PROPOSED FIRE HYDRANT (STD-W-18 & STD-W-19)
- PROPOSED AIR-VALVE (STD-W-22)
- PROPOSED SCOUR VALVE (STD-W-30B)
- PROPOSED BOUNDARY BOX (AS IRISH WATER STD-W-03)
- BLANK FLANGE (AS IRISH WATER STD-W-05)
- RADIUS OF 46m FROM THE FIRE HYDRANT
- RADIUS OF 6m FROM THE FIRE HYDRANT

- ALL NOTED LEVELS ARE TO ORDNANCE DATUM, MALIN HEAD.
- REFER TO ARCHITECT'S LAYOUT FOR ALL SET-OUT INFORMATION.
- REFER TO ARCHITECT / LANDSCAPE ARCHITECT'S DESIGN DRAWINGS FOR DETAILS OF PROPOSED SURFACE FINISHES AND LANDSCAPING.
- ALL WATER INFRASTRUCTURE IS TO BE INSTALLED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE. THE SITE DEVELOPMENT SPECIFICATION AD TO THE LOCAL AUTHORITY'S SATISFACTION.
- THE DEPTH OF COVER, FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF THE WATERMAIN SHALL TYPICALLY BE 1200mm, WITH A MINIMUM DEPTH OF 900mm.
- SERVICE CONNECTIONS SHALL HAVE A DESIRABLE MINIMUM DEPTH OF 750mm.
- AIR VALVES TO BE PROVIDED AT ALL HIGH POINTS IN NEW WATERMAIN.
- SCOUR VALVES TO BE LOCATED AT ALL SAG POINTS IN NEW WATERMAIN.
- MARKER PLATES, IN ACCORDANCE WITH IRISH WATER REQUIREMENTS, TO BE PROVIDED FOR ALL NEW WATERMAIN FITTINGS.
- ANCHOR/THRUST BLOCKS SHALL BE PROVIDED ON WATER MAINS AT DEAD ENDS, AT TEE JUNCTIONS, AT BENDS OF CURVATURE GREATER THAN 11.25 DEGREES, AT END CAPS, AT BOTH SIDES OF SLUCICE VALVE CHAMBERS, AT ANY ABRUPT CHANGE IN VERTICAL OR HORIZONTAL DIRECTION, AND AT ANY LOCATION WHERE WATER PRESSURE IS LIKELY TO DISTORT THE PIPE LINE INSTALLATION OR CAUSE DISPROPORTIONATE MOVEMENT.
- PLASTIC AND POLYETHYLENE PIPES SHALL BE WRAPPED IN PLASTIC SHEETING HAVING A COMPOSITION IN ACCORDANCE WITH BS 6076 BEFORE BEING CAST AGAINST OR INTO ANCHOR/THRUST BLOCKS.
- THE CONTRACTOR IS TO VERIFY DEPTH AT PROPOSED CONNECTION TO EXISTING NETWORK, PRIOR TO ANY OTHER WORKS BEING CARRIED OUT, AND MAKE ANY DISCREPANCIES KNOWN TO THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF PRESENCE ALL EXISTING UTILITIES, IF ANY, ALONG ROUTE OF PROPOSED WATERMAIN NETWORK - BY INTRUSIVE INVESTIGATION OR EQUAL.
- 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, AND BEDDED IN CLAUSE 804 MATERIAL. THE PLINTH SHALL INCORPORATE MILD STEEL REINFORCEMENT LINKS AND SHALL HAVE A BULL-NOSE FINISH AROUND ITS EXTERNAL PERIMETER. SEE SECTION 3.18 OF WATER CODE OF PRACTICE.



BLANK FLANGE TO BE IN ACCORDANCE WITH STANDARD DETAIL STD-W-05

ON-LINE WASHOUT HYDRANT TO BE IN ACCORDANCE WITH STANDARD DETAIL STD-W-05

SLUCICE VALVE TO BE IN ACCORDANCE WITH STANDARD DETAIL STD-W-05

CAPPED 200mm Ø HDPE SDR-17 WATERMAIN TO FACILITATE FUTURE DEVELOPMENTS

PROPOSED AIR-VALVE IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-22. AIR-VALVES TO BE LOCATED AT HIGH POINTS WITHIN SITE

PROPOSED AIR-VALVE IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-22. AIR-VALVES TO BE LOCATED AT HIGH POINTS WITHIN SITE

REFER TO DRAWING S665-OCSC-1C-MH-DR-C-0554 FOR CONTINUATION

OFF-LINE HYDRANT IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-19

- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL AND ENGINEERING DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
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Rev No.	Date	Revision Note	Drn by	Chkd by
P01	15/10/21	SUITABLE FOR INFORMATION	RM	MK
P02	01/12/21	SUITABLE FOR INFORMATION	EH	MK
P03	07/12/21	SUITABLE FOR STAGE APPROVAL	RM	SMG
P04	04.08.22	SUITABLE FOR INFORMATION	EH	MK
P05	15.08.22	SUITABLE FOR INFORMATION	ZB	MK

**PLANNING DRAWING.**  
 NOT FOR CONSTRUCTION.  
 ALL LEVELS GIVEN ARE  
 RELATIVE TO ORDNANCE DATUM.  
 THIS DRAWING HAS BEEN ISSUED FOR INFORMATION  
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Client: SKY CASTLE LTD  
 Project: MOYGADDY CASTLE SHD

Title: PROPOSED WATERMAIN LAYOUT  
 SHEET 2 OF 4

Code | Originator | Zone | Level | Type | Role | Number | Status | Revision  
 S665-OCSC-1C-XX-DR-C-0552 | S4 | P05

Date: OCT '21 Scale: 1:500 @ A1 Drn by: RM Chkd by: MK Aprvd by: MK