

DRAWING 0552

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EXTENSION OF EXISTING PUBLIC WATERMAIN, TO BE ROUTED ACROSS RYE RIVER AT NEW BRIDGE CROSSING, IN ACCORDANCE WITH IRISH WATER REQUIREMENTS, AND CONNECTION AGREEMENT.

TIE-IN WITH EXISTING 200mm HDPE PUBLIC WATERMAIN, IN ACCORDANCE WITH IRISH WATER'S REQUIREMENTS.

1. ALL NOTED LEVELS ARE TO ORDNANCE DATUM, MALIN HEAD.
2. REFER TO ARCHITECT'S LAYOUT FOR ALL SET-OUT INFORMATION.
3. REFER TO ARCHITECT / LANDSCAPE ARCHITECT'S DESIGN DRAWINGS FOR DETAILS OF PROPOSED SURFACE FINISHES AND LANDSCAPING.
4. 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.
5. 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.
6. SERVICE CONNECTIONS SHALL HAVE A DESIRABLE MINIMUM DEPTH OF 750mm.
7. AIR VALVES TO BE PROVIDED AT ALL HIGH POINTS IN NEW WATERMAIN.
8. SCOUR VALVES TO BE LOCATED AT ALL SAG POINTS IN NEW WATERMAIN.
9. MARKER PLATES, IN ACCORDANCE WITH IRISH WATER REQUIREMENTS, TO BE PROVIDED FOR ALL NEW WATERMAIN FITTINGS.
10. 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 SLUICE 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.
11. 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.
12. 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.
13. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF PRESENCE OF ALL EXISTING UTILITIES, IF ANY, ALONG ROUTE OF PROPOSED WATERMAIN NETWORK - BY INTRUSIVE INVESTIGATION OR EQUAL.
14. 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

Legend:

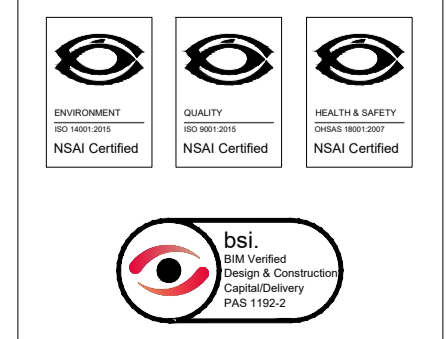
- SITE BOUNDARY (CO. MEATH)
- WORKS WITHIN CO. KILDARE
- 200mm Ø PROPOSED HDPE SDR17 WATERMAIN
- 150mm Ø PROPOSED HDPE SDR17 WATERMAIN
- 100mm Ø PROPOSED HDPE SDR17 WATERMAIN
- 75mm Ø PROPOSED HDPE SDR17 SERVICE CONNECTION
- 50mm Ø PROPOSED HDPE SDR17 SERVICE CONNECTION
- AREA OF COVERAGE FOR HYDRANT
- ALL FLANGED DUCTILE IRON TEE
- PROPOSED SLUICE 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

PLANNING DRAWING.
 NOT FOR CONSTRUCTION.
 ALL LEVELS GIVEN ARE RELATIVE TO ORDNANCE DATUM.
 THIS DRAWING HAS BEEN ISSUED FOR INFORMATION PURPOSES ONLY AND MUST NOT BE USED FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL AND ENGINEERING DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
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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

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Client:	SKY CASTLE LTD								
Project:	MOYGADDY CASTLE SHD								
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