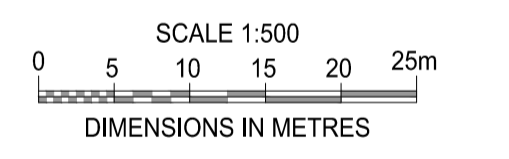


PROPOSED WATERMAIN DIVERSION - LAYOUT (1:500 SCALE)

- GENERAL NOTES**
- DO NOT SCALE THIS DRAWING. WORK ONLY TO FIGURED DIMENSIONS.
 - FOR ALL RELEVANT NOTES, REFER TO STRUCTURAL AND CIVIL ENGINEERING PERFORMANCE SPECIFICATION.
 - ANY DISCREPANCIES ARE TO BE REPORTED TO PINNACLE CONSULTING ENGINEERS IMMEDIATELY.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS, ARCHITECTS AND SUB-CONTRACTORS DRAWINGS AND DETAILS.
 - THIS DRAWING IS TO BE PRINTED IN COLOUR.
 - THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS EXPRESSLY STATED.
 - EXISTING SITE AND LEVEL INFORMATION TAKEN FROM LAND SURVEYS TOPOGRAPHICAL SURVEY DRAWING D1728F2D DATED 04/10/06.
 - THIS DRAWING HAS BEEN PREPARED USING THE PROPOSED SITE LAYOUT FROM DAVEY + SMITH ARCHITECTS DRAWING IP00 DATED 16/08/24.

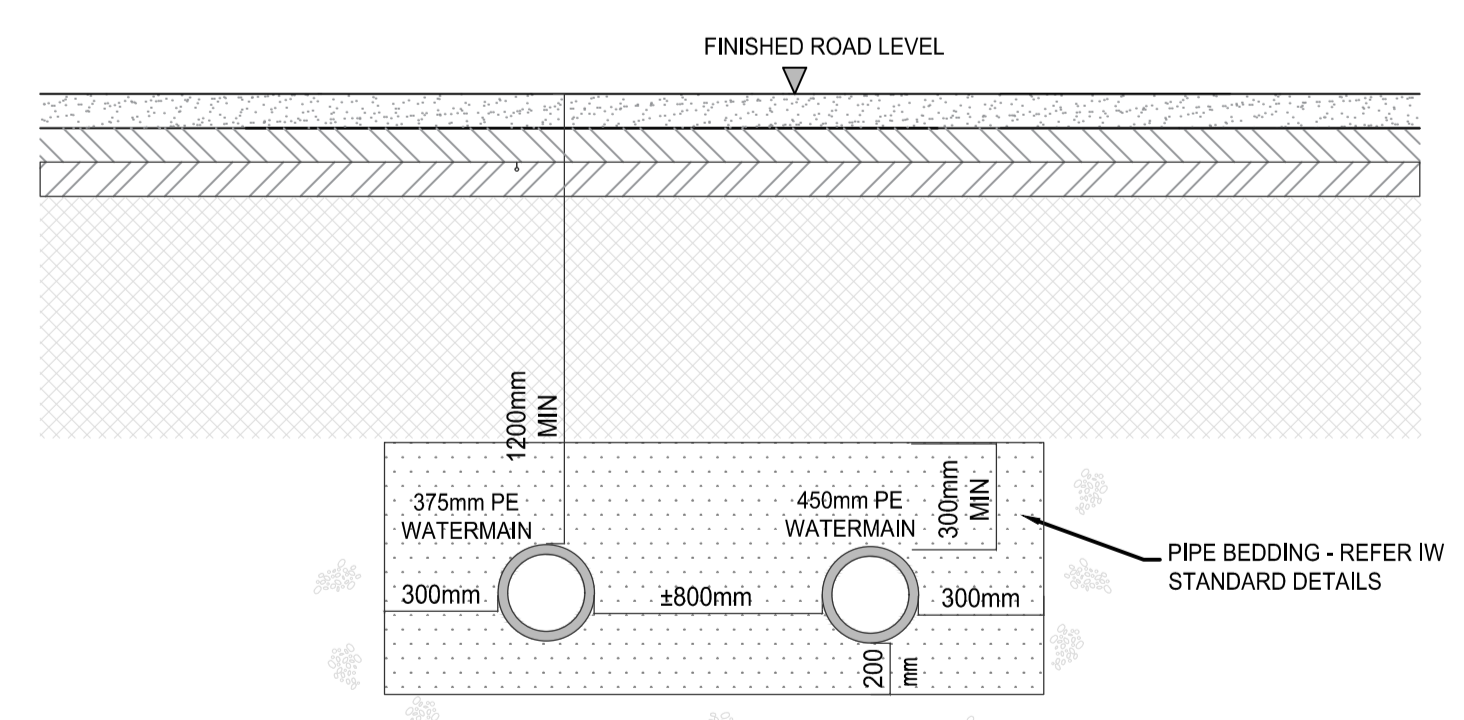
LEGEND

- WM — EXISTING WATERMAIN
- WM — HDPE PE 100 SDR 17 WATERMAIN DIVERSION UNDER IRISH WATER DIVERSION AGREEMENT (DIV23291)
- WM — HDPE PE 100 SDR 17 WATERMAIN DIVERSION UNDER IRISH WATER DIVERSION AGREEMENT (DIV24134)
- SC — SCOUR VALVE
- ✕ — WATERMAIN PIPE TO BE DIVERTED
- EXISTING WAYLEAVE
- PROPOSED WATERMAIN WAYLEAVE



- WATERMAIN NOTES:**
- ALL WATERMANS VALVES AND FITTINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE IRISH WATER STANDARD DETAILS AND IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE.
 - ALL WATERMANS SHALL BE HDPE, PE100, SDR17 TO IS EN 12201 PART 2:2011 AND IS EN 12201-3:2011.
 - CONNECTION BETWEEN EXISTING AND PROPOSED WATERMANS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS STD-W-03 TO STD-W-10.
 - ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER STANDARD DETAIL STD-W-28 (WATER MAIN THRUST AND SUPPORT BLOCKS). DISMANTLING JOINTS TO BE INSTALLED AT EACH SLUICE VALVE AS PER IRISH WATER STANDARD DETAIL STD-W-15.
 - INSTALLATION OF SLUICE VALVES, AIR VALVES AND HYDRANTS SHALL BE IN ACCORDANCE WITH IRISH WATER'S STANDARD DETAILS STD-W-14 TO STD-W-23.
 - MARKER POSTS AND PLATES ARE TO BE PROVIDED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-27.
 - CONNECTION TO EXISTING WATERMANS TO BE COORDINATED BY THE CONTRACTOR WITH IRISH WATER AND/OR THE LOCAL AUTHORITY.
 - CONTRACTOR TO LIASE WITH IRISH WATER AND/OR THE LOCAL AUTHORITY AS REQUIRED REGARDING TESTING, CLEANSING AND STERILISATION OF WATERMANS.
 - WATERMANS TO BE PRESSURE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER AND IGN 4-01-03, GUIDE TO TESTING OF PRESSURE PIPES AND FITTINGS FOR USE BY PUBLIC WATER SUPPLIERS, OCTOBER 2015. A FORMAL TEST REPORT SHALL BE SUBMITTED TO THE ENGINEER DETAILING THE TEST CARRIED OUT.

- NOTES:**
- REFER TO DRAWING STD-W33A FOR CROSSING DETAIL.
 - REFER TO DRAWING STD-W32 AIR VALVE AND KIOSK DETAIL.
 - PIPEWORK AT CROSSING POINT TO BE JOINED USING BUTT FUSION WELDING.
 - POLYETHYLENE PIPES SHALL BE WRAPPED IN PLASTIC SHEETING HAVING A COMPOSITION IN ACCORDANCE WITH BS 6076 BEFORE BEING CAST INTO CONCRETE.
 - THRUST BLOCKS TO BE PROVIDED AS PER STD-W-28 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
 - ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
 - WATERMAIN (PROPOSED) SEPARATION DISTANCES AS PER IW COP CLAUSE 3.6.
 - HORIZONTAL**
300mm TO DISTRIBUTION MAINS OF LESS THAN 300mm DIAMETER.
500mm TO TRUNK MAINS BETWEEN 300mm AND 450mm DIAMETER.
3m TO ARTERIAL WATER MAINS OF GREATER THAN 450mm DIAMETER.
 - VERTICAL**
300mm TO DISTRIBUTION MAINS OF LESS THAN 300mm DIAMETER.
500mm TO TRUNK/ARTERIAL MAINS OF DIAMETER GREATER THAN 300mm.
 - FOR A SERVICE LESS THAN 1m DEEP THE MIN. DISTANCE IS TO BE 1.5m FOR A TREE BETWEEN 300mm & 600mm STEM DIA. AT MATURITY AS PER IW COP CLAUSE 3.5.
 - FOR A SERVICE GREATER THAN 1m DEEP THE MIN. DISTANCE IS TO BE 1.0m FOR A TREE BETWEEN 300mm & 600mm STEM DIA. AT MATURITY AS PER IW COP CLAUSE 3.5.



TYPICAL SECTION A-A
SCALE 1:20

P01 ISSUED FOR IPLANING		FJVR JB 02/09/24	
REV	DESCRIPTION	BY	CHK/APP DATE

PROJECT
OLDCOURT LRD

DRAWING TITLE
EXISTING RAW WATER WATERMAIN DIVERSION

PINNACLE CONSULTING ENGINEERS

GROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND, A66 W3Y7
NORWICH ■ WELWYN GARDEN CITY ■ LONDON ■ THE HAGUE ■ FRANKFURT

TELEPHONE: +353 1 2311041

DRAWING STATUS				
PLANNING				
SCALE @ A1	DATE	DRAWN BY	CHECKED	APPROVED
1:500	04/07/24	FJVR	JB	SOR
DRG NO.	P211102-PIN-XX-DR-C-00310-S2			REV
				P01