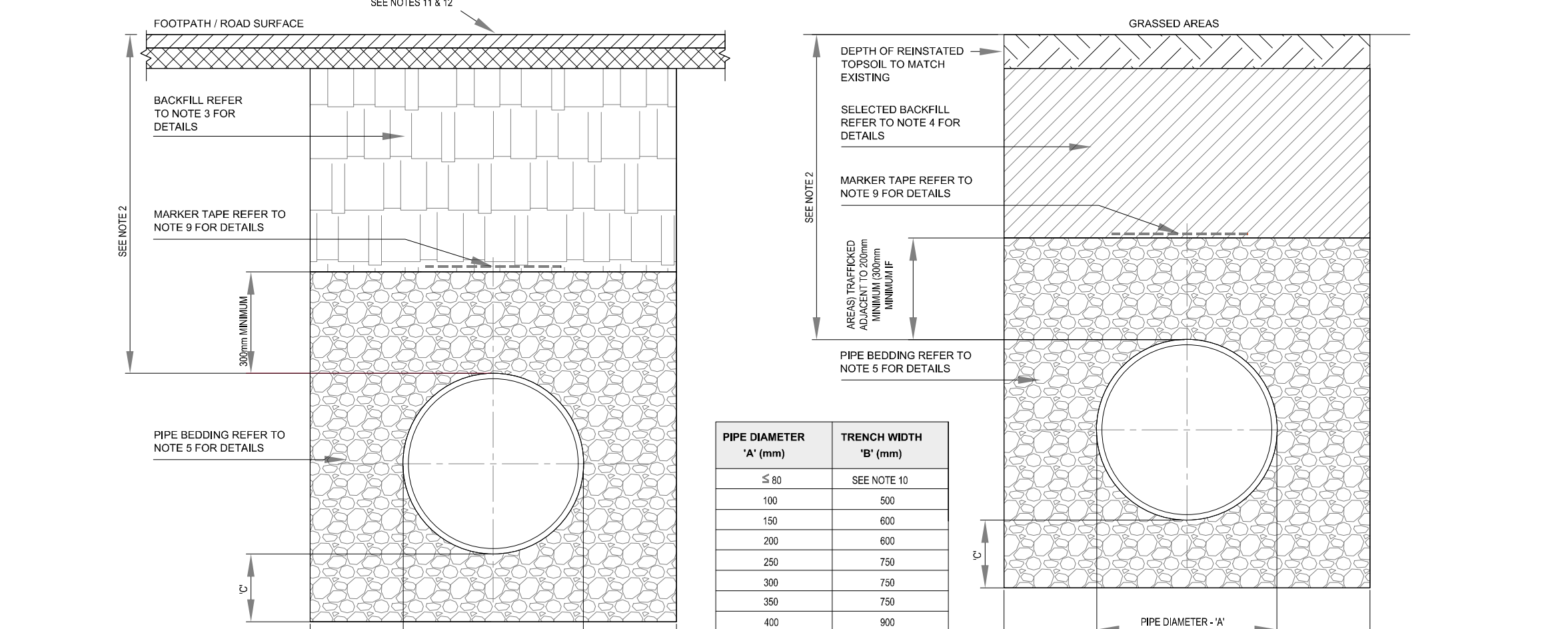


- ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- HYDRANT CHAMBERS SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL COVERS TO BS 261 OR BS 854 COVER AND FRAME SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS AND IS SUBJECT TO REVIEW BY IRISH WATER.
- ALL HYDRANT SURFACE ROOF FRAMES & COVERS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 1433, BS EN 10744 & BS 750. FIRE HYDRANTS SHALL BE TYPE 2. THE HYDRANT PILE SHALL BE 60mm DIAMETER WITH PHS.
- ALL HYDRANTS SHALL BE CLOSURE CLOSING.
- HYDRANT CHAMBERS TO BE CONSTRUCTED OF PRECAST CONCRETE UNITS OR HIGH DENSITY BLOCKWORK. ALTERNATIVELY PROPRIETARY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED PROVIDED BY IRISH WATER.
- ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & DEAD LOADS. A COMBINATION OF REINFORCED CONCRETE SLAB OF BS4110 CONCRETE GRADE C30/37 WITH A MINIMUM THICKNESS OF 150mm ALTERNATIVELY PRECAST CONCRETE ROOF SLABS MAY BE USED. SUBJECT TO IRISH WATER REVIEW & COMPLIANCE WITH BS EN 1917 & BS 420. PCC CHAMBER REINER UNITS SHOULD BE INTERLOCKING WHEN STACKED TO PREVENT LATERAL MOVEMENT OF INDIVIDUAL UNITS.
- CONCRETE CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLASS 808 MATERIAL AS PER STD-W-13.
- DUCTILE IRON PIPES AND FITTINGS TO BE IN ACCORDANCE WITH BS EN 545. FIRE PIPES AND FITTINGS TO BE IN ACCORDANCE WITH BS EN 1221:2011.
- 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH AROUND COVERS IN GREEN AREAS.
- THRUST BLOCKS NOT SHOWN ON DRAWING. TO BE PROVIDED AS PER STANDARD DRAWING STD-W-28 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
- ANTI-CORROSION TAPE TO BE PROVIDED AROUND BURIED FLANGES.
- ALL CONCRETE TO BE IN ACCORDANCE WITH BS EN 206.
- ANY SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY REQUIREMENTS.
- NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO ROAD AUTHORITY REQUIREMENTS.
- EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF 'GUIDELINES FOR MANAGING OPENINGS IN PUBLIC ROADS' BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.
- THE FIRE HYDRANT OUTLET TYPE SHALL BE ACCORDANCE WITH THE REQUIREMENTS OF THE 'FIRE OFFICERS FOR THE AREA' AND SHALL BE AGREED PRIOR TO THE COMMENCEMENT OF WORKS.
- THE HYDRANT SHALL BE DOUBLE FLANGED DRILLED TO PN 16. THEY SHALL COMPLY WITH BS EN 14339, BS EN 1074 PART 1 AND BS 750: 2012. THE HYDRANT SHALL INCORPORATE A SCREW DOWN GATE VALVE, UNDERGROUND 'GUIDE TO HEAD' TYPE WITH A FALSE SPINDE CAP. THE OUTLET SHALL BE IN ACCORDANCE WITH EN 16000.
- 450 x 600mm INTERNAL DIMENSION CHAMBERS MAY BE PROVIDED SUBJECT TO REVIEW BY IRISH WATER. SUCH CHAMBERS SHALL BE PROVIDED WITH GRADE 'X' HEAVY DUTY COVER & FRAME & STAMPED 'SV'.



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- NOTES:**
1. Figured dimensions only to be taken from this drawing.
  2. All dimensions to be checked on site.
  3. All levels are in metres O.D. and are related to Ordnance datum at Malin.
  4. Details from this drawing to be read with an Irish Water Standard Details and Water Code of Practice.

INITIAL ISSUE	LR	21.10.21	P01
Description:	Drawn	Date:	Rev.:

Client: **QUINTAIN DEVELOPMENTS IRELAND LIMITED**

Project: **PORTMARNOCK SOUTH PHASE 1D**

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Drawn By:	LR	Date:	APRIL 2021
Checked By:	LR	Date:	APRIL 2021
Approved By:	GF	Date:	APRIL 2021
Internal Project Ref:	21205	Stage:	PLANNING
Drawing Title:	TYPICAL WATERMAIN DETAILS (SHEET 1)		

Scales: 1:50 @ A1

Drawing No.: 21205-JBB-00-XX-DR-C-03006

Rev: P01