

PIPE DIAMETER 'A' (mm)	TRENCH WIDTH 'B' (mm)		
≤ 80	SEE NOTE 10		
100	500		
150	600		
200	600		
250	750		
300	750		
350	750		
400	900		
450	900		

PIPE DIAMETER 'A' (mm)	DEPTH OF BEDDING 'C' (mm)		
≤ 200	150		
≥ 250	200		

Trench Backfill & Bedding (Roadway)

PIPE DIAMETER

'A' (mm)

≤ 200

≥ 250

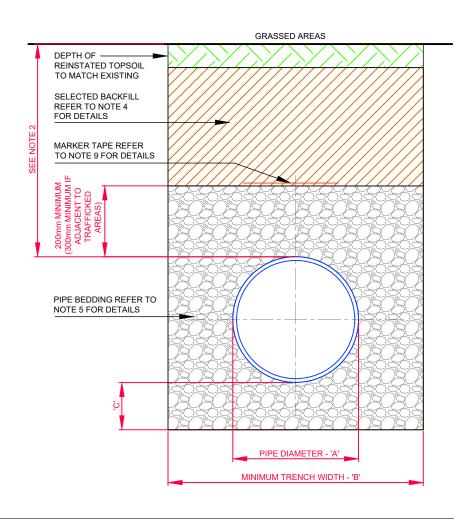
DEPTH OF

BEDDING

'C' (mm)

150

200



PIPE DIAMETER 'A' (mm)	TRENCH WIDTH 'B' (mm)		
≤ 80	SEE NOTE 10		
100	500		
150	600		
200	600		
250	750		
300	750		
350	750		
400	900		
450	900		

Trench Backfill & Bedding (Grassed Areas)

- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- THE MINIMUM DEPTH OF COVER FROM THE FINISHED GROUND LEVEL TO THE EXTERNAL CROWN OF THE PIPPE SHALL BE 900mm WHERE THE PIPE IS TO BE LOCATED IN HOUSING ESTATE ROADS. GREATER DEPTHS OF COVER AND/OR PIPE STRENGTH AND/OR A HIGHER CLASS OF BEDDING MATERIAL MAY BE REQUIRED WHERE HIGH TRAFFIC LOADING IS ANTICIPATED. THE DESIRABLE COVER FOR A WATERMAIN SHOULD BE 1200mm, WHERE PRACTICABLE & SHOULD NOT EXCEED 3.0m.
 CLAUSE 804 / 808 MATERIAL IN ACCORDANCE WITH THE
- NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS IS TO BE USED AS BACKFILL MATERIAL WHERE THE WATER MAIN IS LOCATED IN ROADS, FOOTPATHS OR WHEN THE NEAREST PART OF THE TRENCH IS WITHIN 1m OF THE THE NEAREST PART OF THE TRENCH IS WITHIN 1 m OF THE PAVED EDGE OF THE ROADWAY. CLAUSE 804 / 808 IS TO BE COMPACTED AS PER CLAUSE 802 OF THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS. CLAUSE 808 IS TO BE USED WITHIN SOOmm OF CEMENT BOUND MATERIALS, CONCRETE PAVEMENTS, CONCRETE STRUCTURES OR CONCRETE PRODUCTS. OTHERWISE CLAUSE 804 MAY BE USED. ALTERNATIVE BACKFILL MATERIAL TO THAT DESCRIBED NADALY (CLAUSE ROAD TRENCH). USED. ALTERNATIVE BACKFILL MATERIAL TO THAT DESCRIBED ABOVE (CLAUSE 804) OR CLAUSE 804 OR OF THE PIPE TRENCH WILL ONLY BE ALLOWED BY IRISH WATER WHERE THE ROADS AUTHORITY IN WHOSE FUNCTIONAL AREA THE DEVELOPMENT IS LOCATED, PROVIDES WRITTEN APPROVAL TO THE DEVELOPER TO THE USE SUCH ALTERNATIVE MATERIAL.
- SELECTED EXCAVATED MATERIAL MAY BE USED IN GREEN-FIELD AREAS ABOVE GRANULAR PIPE SURROUND
- GREEN-FIELD AREAS ABOVE GRANULAR PIPE SURROUND
 MATERIAL SUBJECT TO REVIEW BY JIRJSH WATER.
 PIPE BEDDING SHALL COMPLY WITH WIS 4-08-02 AND IGN
 4-08-01 GRANULAR MATERIAL SHALL BE 14mm TO 5mm
 GRADED AGGREGATE OR 10mm SINGLE SIZED AGGREGATE TO
 IS EN 13242.
 IN SOFT GROUND CONDITIONS (CBR < 5) THE MATERIAL
 FURLING BE SYCKLASTED OUT AND DISPOSED DE MATERIAL
- SHOULD BE EXCAVATED OUT AND DISPOSED OF IN ACCORDANCE WITH THE WASTE MANAGEMENT ACT AND ACCORDANCE WITH THE WASTE MANAGEMENT ACT AND CLAUSE 804, 808 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS SHALL REPLACE THE EXCAVATED MATERIAL, WRAPPED IN GEO-TEXTILE WRAPPING. ALTERNATIVELY, SPECIAL PIPE SUPPORT ARRANGEMENTS, INCLUDING PILING ETC. MAY BE REQUIRED WHERE THE DEPTH OF SOFT MATERIAL IS EXCESSED. EXCESSIVE, SUCH ARRANGEMENTS SHALL BE SUBJECT TO ASSESSMENT BY IRISH WATER BEFORE ADVANCING WITH THE
- YUURA.

 PIPES SHALL NOT BE SUPPORTED ON STONES OR ROCKS, OR ANY HARD OBJECT AT ANY POINT ALONG THE TRENCH. ROCK SHALL BE EXCAVATED TO A DEPTH OF I 50mm BELOW THE ACTUAL DEPTH OF THE TRENCH WITH THE VOID FILLED WITH CLAUSE 804 / 808 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS. THE GRANULAR MATERIAL SHALL BE LAID ABOVE
- WORKS. THE GRANUDAR WAITERIAL SHALL BE LAID ABOVE THIS VOID BACKFILL MATERIAL.
 SHOULD MINIMUM COVER NOT BE ACHIEVABLE, CONCRETE GRADE C8/10 SHALL BE USED AS BACKFILL MATERIAL.
 MARKER TAPE TO BE 400mm WIDE BLUE POLYETHYLENE
- MATERIAL IN ACCORDANCE WITH EN 12163, PLASTIC PIPES SHALL HAVE WARNING TAPE INCORPORATED A REINFORCED BAND BRACING WIRE. SERVICE PIPES SHALL HAVE 200mm
- BAND BRACING WIRE. SERVICE PIPES SHALL HAVE ZUUMM WIDE MESH TAPE. MARKER TAPE TO BE LAID AT TOP OF PIPE BEDDING LAYER.

 TRENCH WIDTHS FOR PIPE SIZES \$80mm MAY BE <\$00mm, SUBJECT TO CONSIDERATION BEING GIVEN TO THE TRENCH DEPTH, HEALTH & SAFETY & CONSTRUCTION ACCESS. ACCESS REQUIREMENTS.

 NEW ROAD CONSTRUCTION & SURFACE FINISH TO BE TO
- NEW ROAD CONSTRUCTION & SUFFACE 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.

Rev	Ву	Date	Description	

PLANNING

Longview Estates Development

Trench Backfill Detail Storm, Foul, & Watermain

Longview Estates Ltd



M.H.L & Associates Ltd.

Designe	d: SM	Drawn:	SFM	Checked: KM
Scale:	N.T.S		Date:	Nov 2019
Job No:		Drawing No:		Revision:
17066HD		LHD SCD P01		