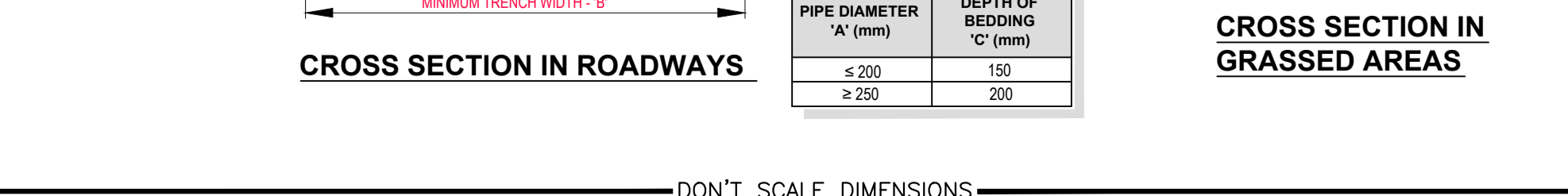
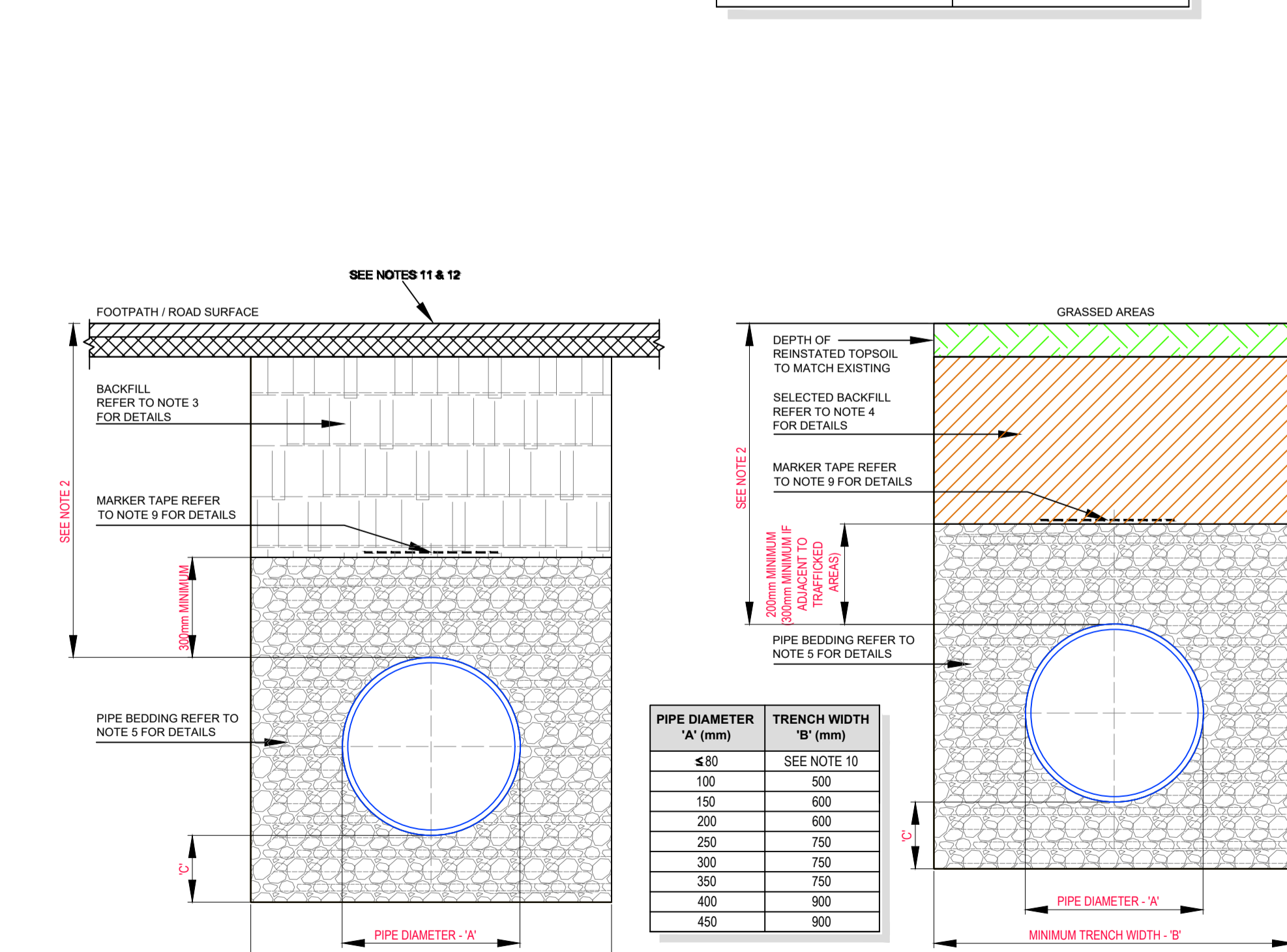
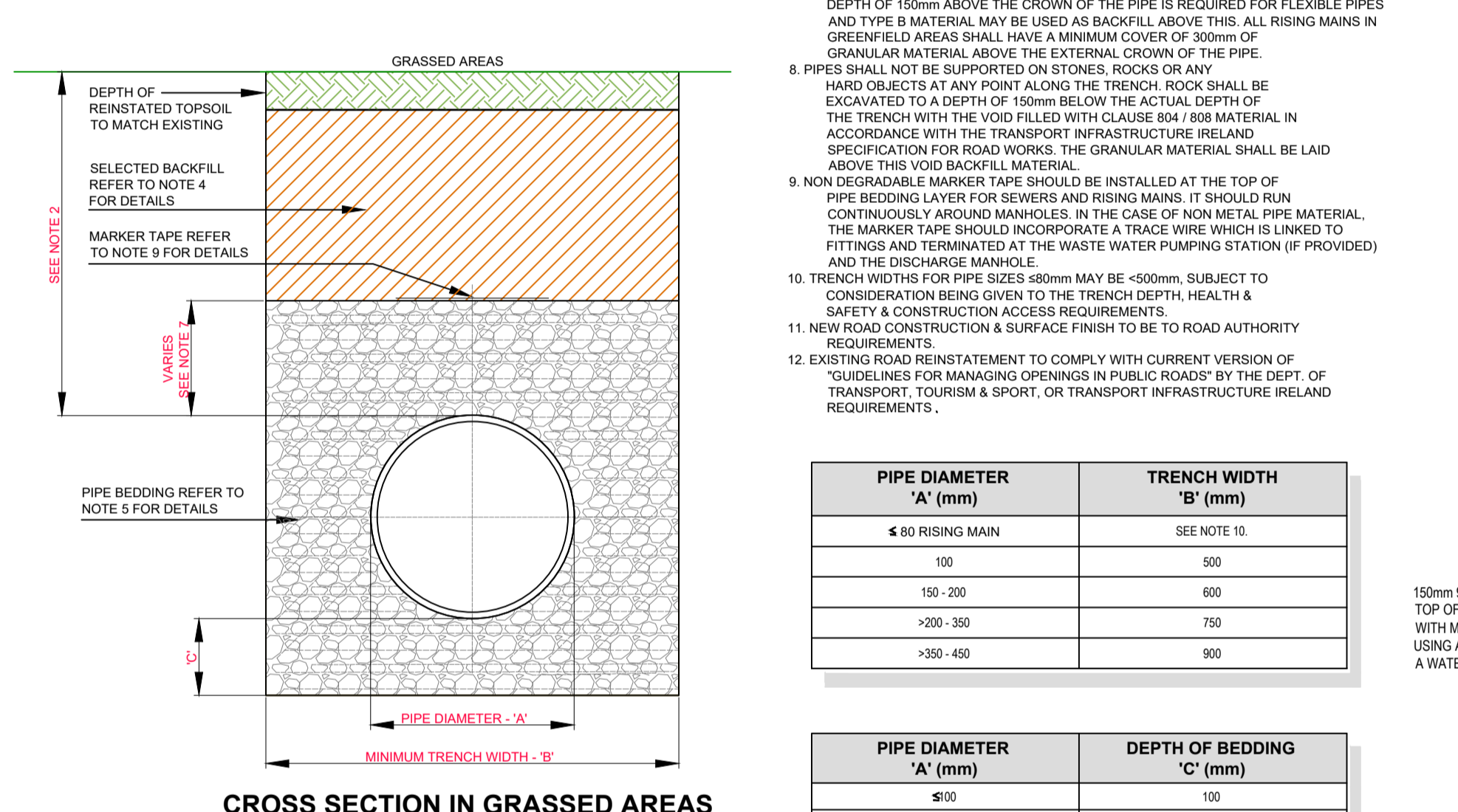
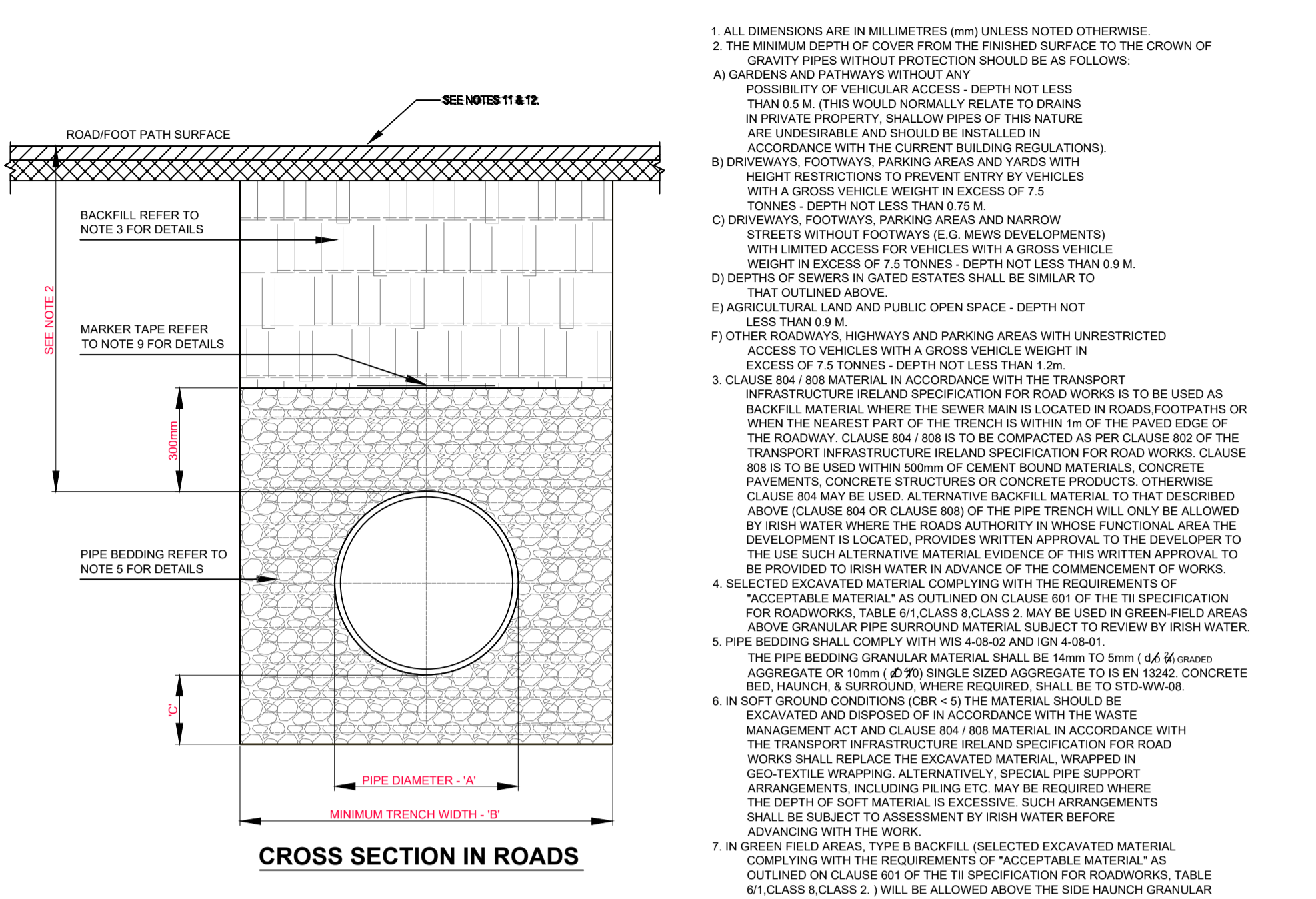
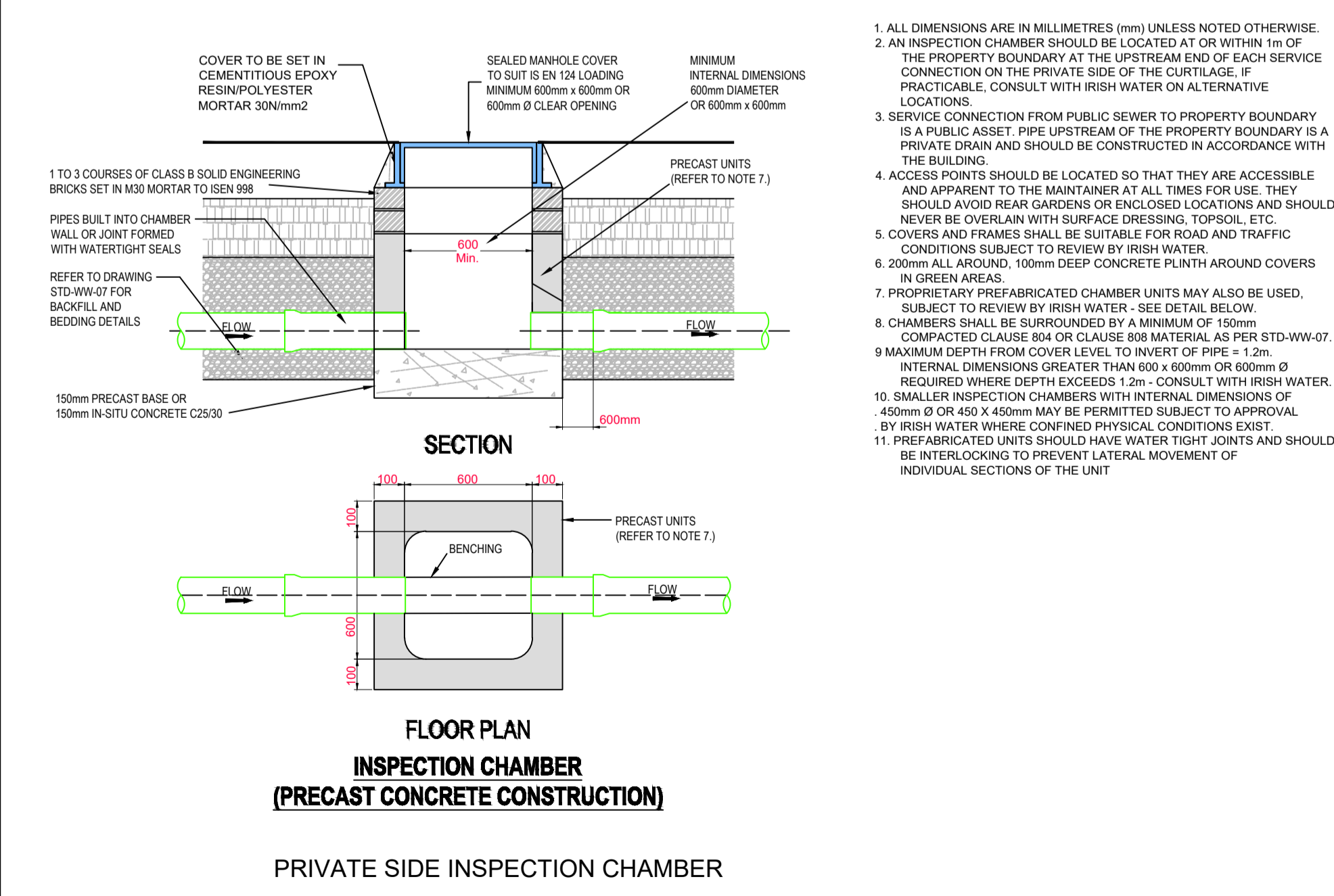


MINIMUM MANHOLE DIAMETERS			
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)	MIN. PRECAST ROOF SLAB EFFECTIVE THICKNESS (mm)	MIN. IN-SITU ROOF SLAB THICKNESS (mm)
LESS THAN 375	1200	160	225
375 TO 450	1350	160	225
500 TO 750*	1500	170	225

ROCKER PIPE LENGTH	
PIPE DIAMETER (mm)	ROCKER PIPE LENGTH (mm)
100 TO 600	600
GREATER THAN 600 TO 750*	1000
GREATER THAN 750*	1250

* SEWERS GREATER THAN 450mm Ø ARE OUTSIDE THE SCOPE OF THE STANDARD DETAILS. MANHOLE SIZE OF THESE CHAMBERS MAY BE REQUIRED DUE TO MULTIPLE PIPES WITHIN MANHOLE.

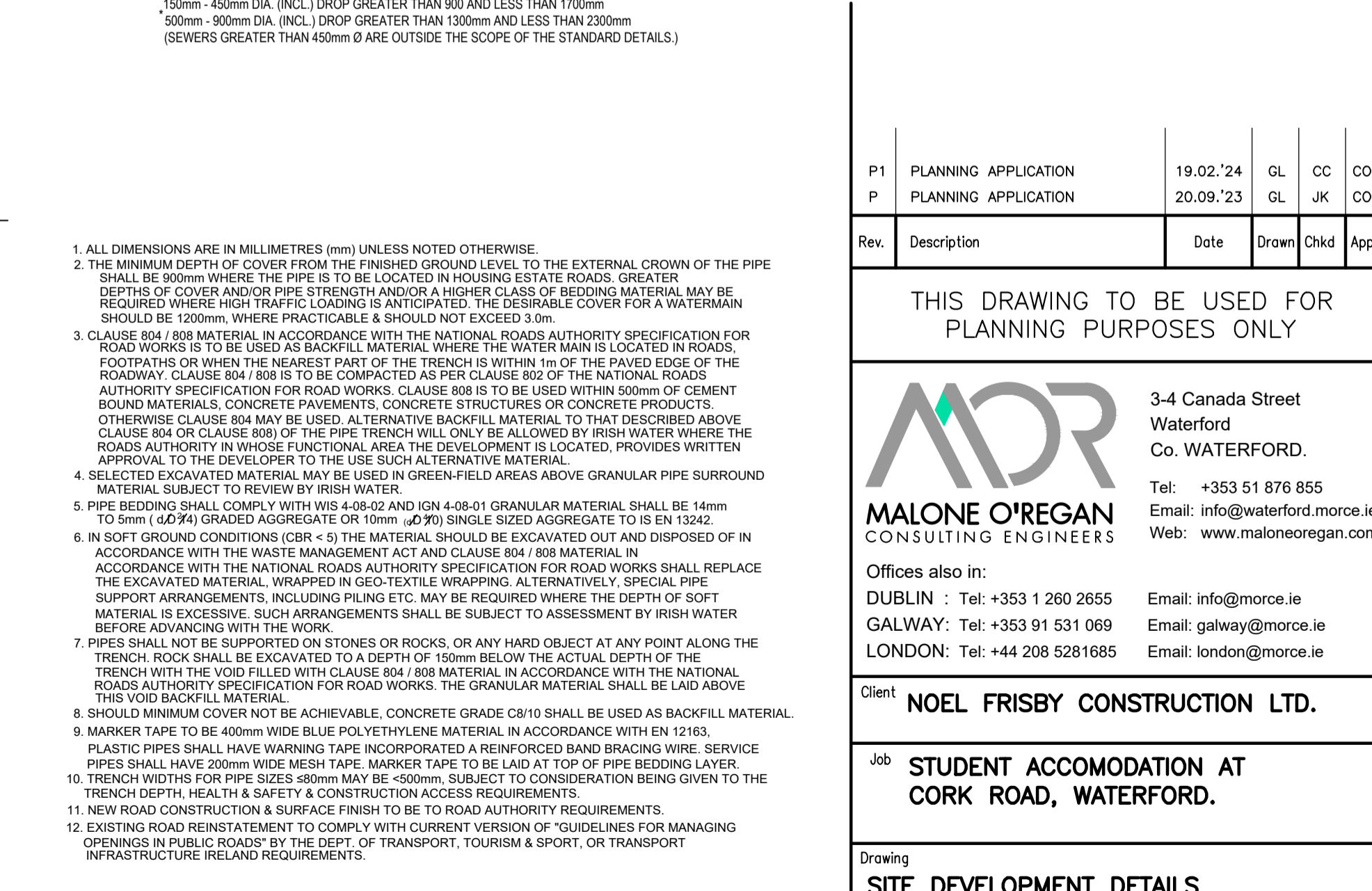
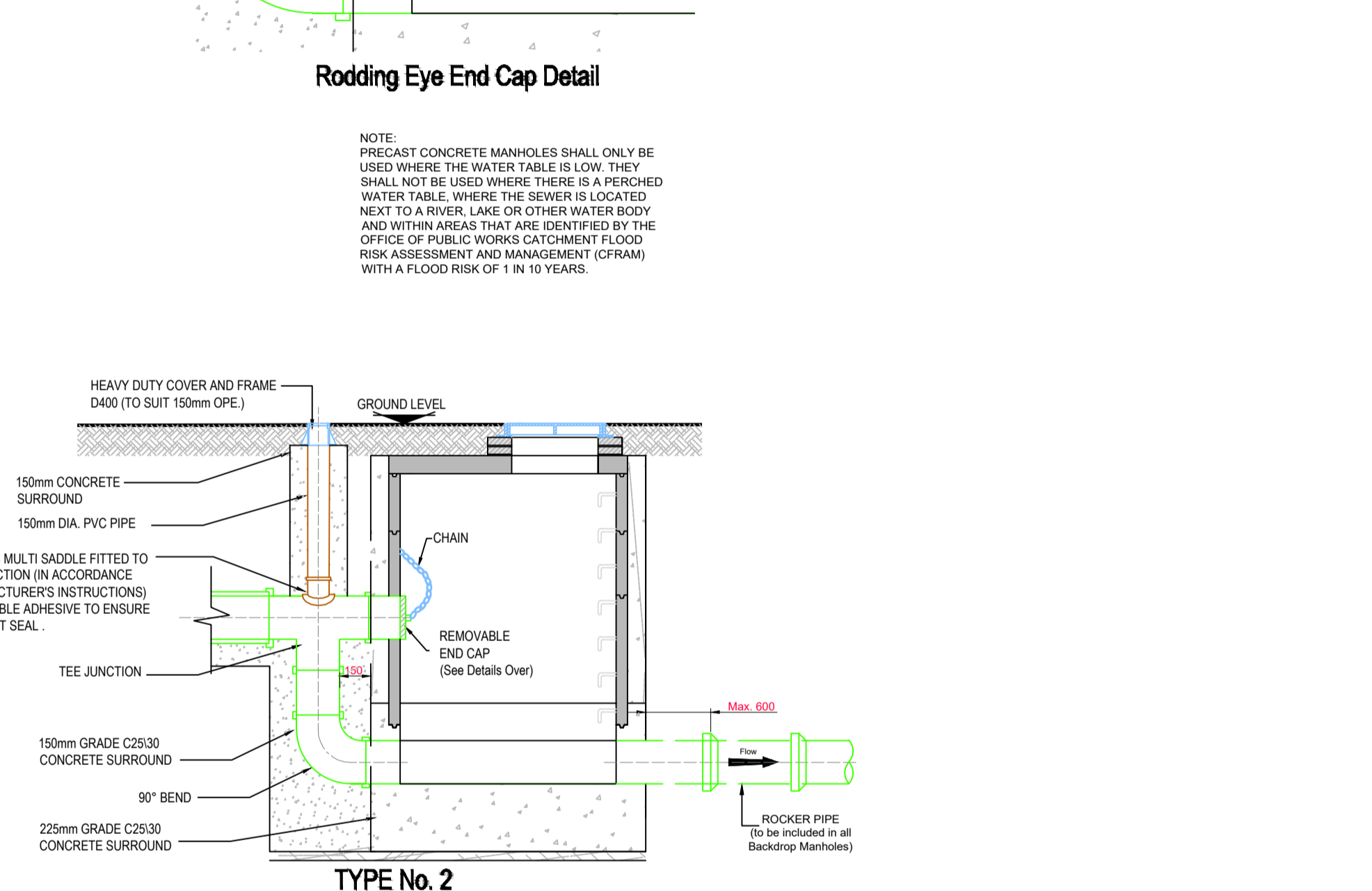
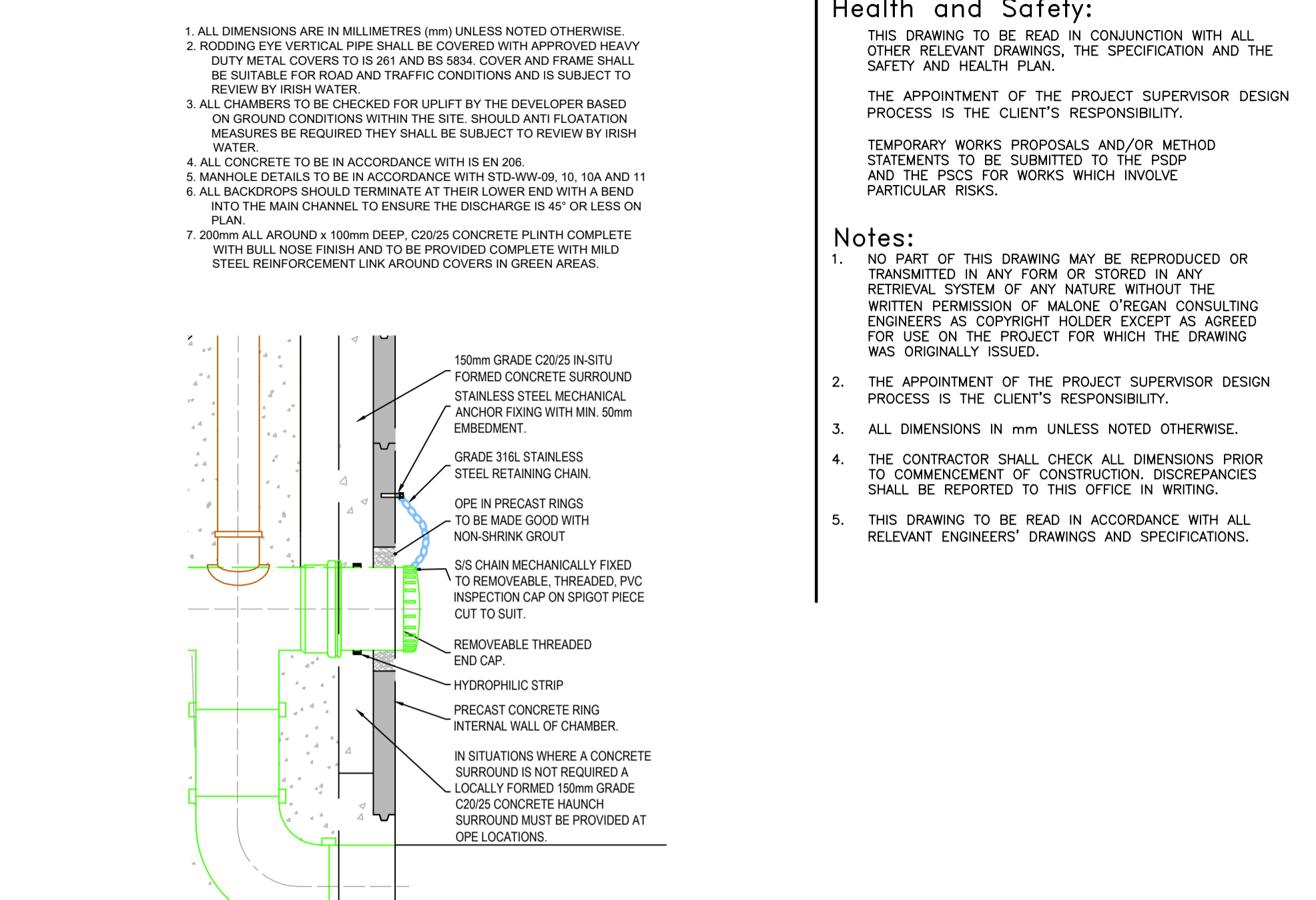


PIPE DIAMETER 'A' (mm)	TRENCH WIDTH 'B' (mm)
≤ 80 RISING MAIN	SEE NOTE 10
100	500
150-200	600
>200-350	750
>350-450	900

PIPE DIAMETER 'A' (mm)	DEPTH OF BEDDING 'C' (mm)
≤ 100	100
150-450	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

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

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

Health and Safety:

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATION AND THE SAFETY AND HEALTH PLAN.

THE APPOINTMENT OF THE PROJECT SUPERVISOR DESIGN PROCESS IS THE CLIENT'S RESPONSIBILITY.

TEMPORARY WORKS PROPOSALS AND/OR METHOD STATEMENTS TO BE SUBMITTED TO THE PSPD AND THE PCSF FOR WORKS WHICH INVOLVE PARTICULAR RISKS.

Notes:

- NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF MALONE O'REGAN CONSULTING ENGINEERS AS COPYRIGHT HOLDER EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DRAWING WAS ORIGINALLY ISSUED.
- THE APPOINTMENT OF THE PROJECT SUPERVISOR DESIGN PROCESS IS THE CLIENT'S RESPONSIBILITY.
- ALL DIMENSIONS IN mm UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THIS OFFICE IN WRITING.
- THIS DRAWING TO BE READ IN ACCORDANCE WITH ALL RELEVANT ENGINEERS' DRAWINGS AND SPECIFICATIONS.

Rev.	Description	Date	Drawn	Chkd	Appr
P1	PLANNING APPLICATION	19.02.'24	GL	CC	COB
P	PLANNING APPLICATION	20.09.'23	GL	JK	COB

THIS DRAWING TO BE USED FOR PLANNING PURPOSES ONLY

ADR

3-4 Canada Street
Waterford
Co. WATERFORD.

Malone O'Regan
CONSULTING ENGINEERS

Tel: +353 51 876 855
Email: info@waterford.morice.ie
Web: www.maloneoregan.com

Offices also in:

DUBLIN : Tel: +353 1 260 2655 Email: info@morice.ie
GALWAY : Tel: +353 91 531 069 Email: galway@morice.ie
LONDON: Tel: +44 208 5281685 Email: london@morice.ie

Client: **NOEL FRISBY CONSTRUCTION LTD.**

Job: **STUDENT ACCOMODATION AT CORK ROAD, WATERFORD.**

Drawing: **SITE DEVELOPMENT DETAILS SHEET 3**

Job No	Drwg No	Stage	Revision	Scale
W22076	P862	PL	P1	A1 1:25 A3 1:50