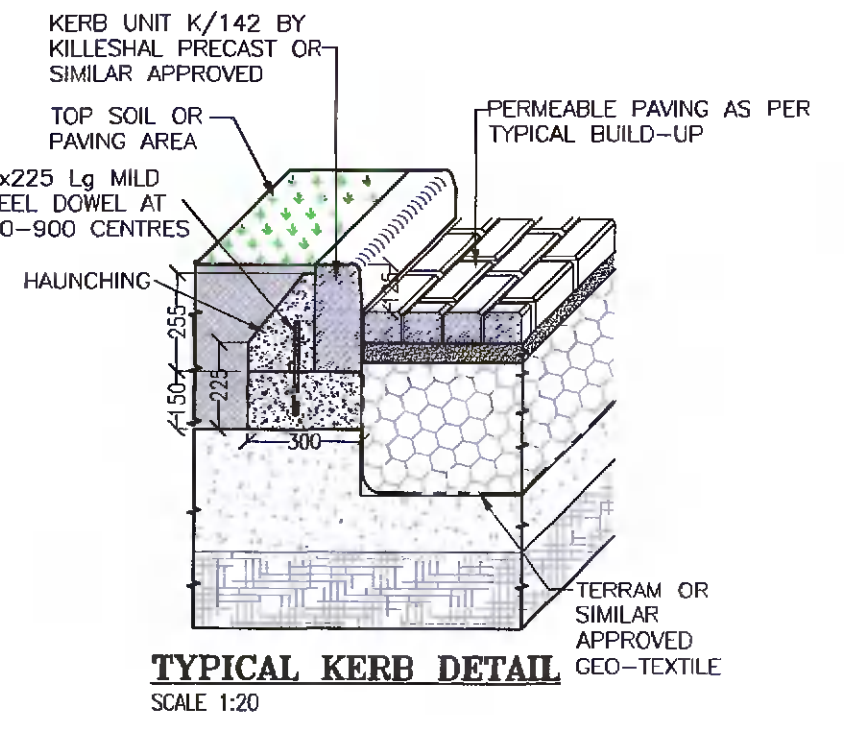
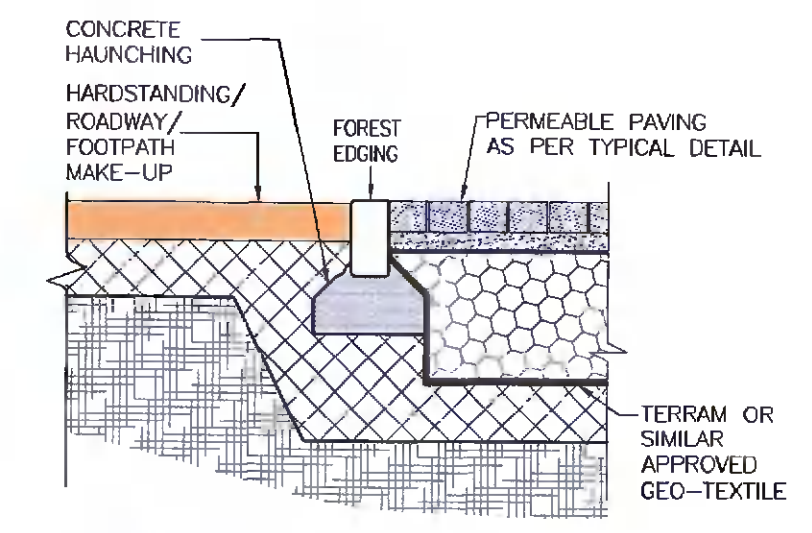


**TYPICAL SECTION TROUGH SOAKAWAY**  
Scale 1:20

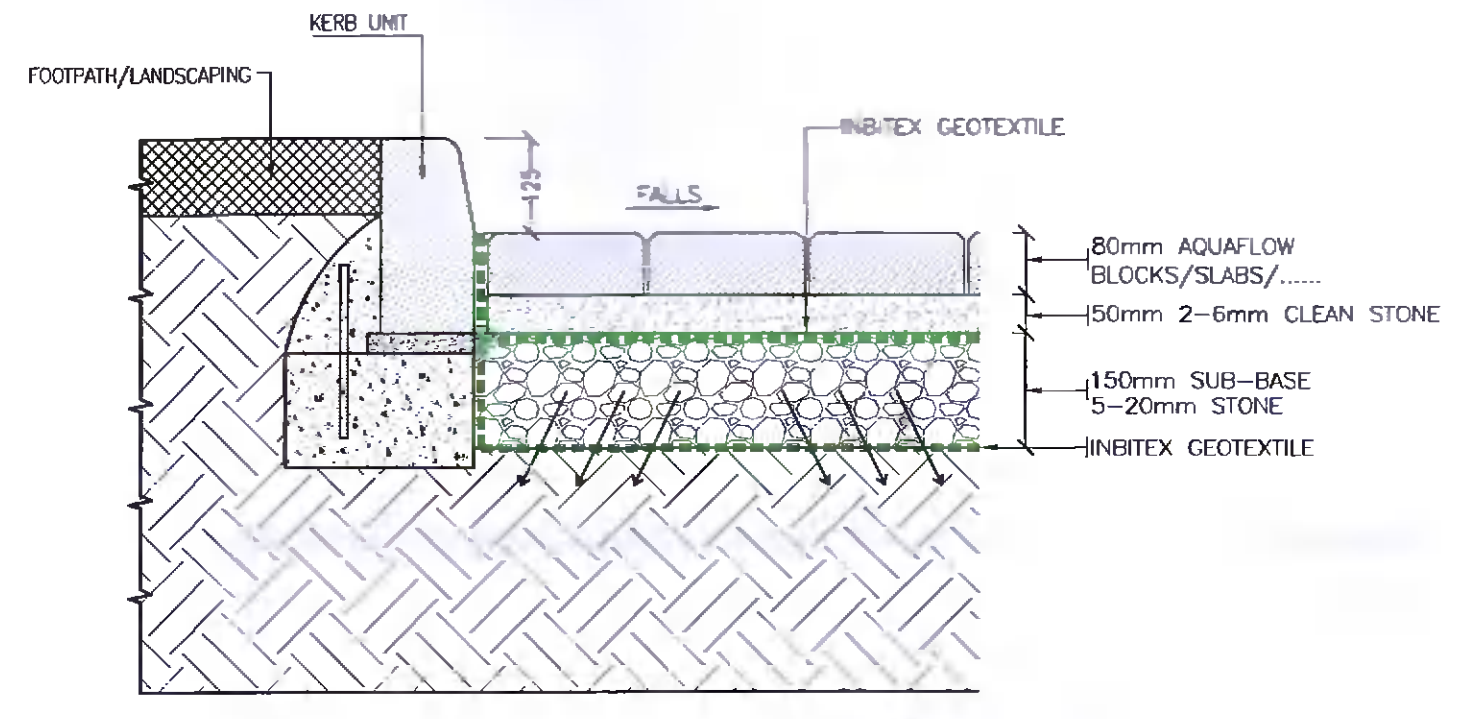


**TYPICAL KERB DETAIL**  
Scale 1:20

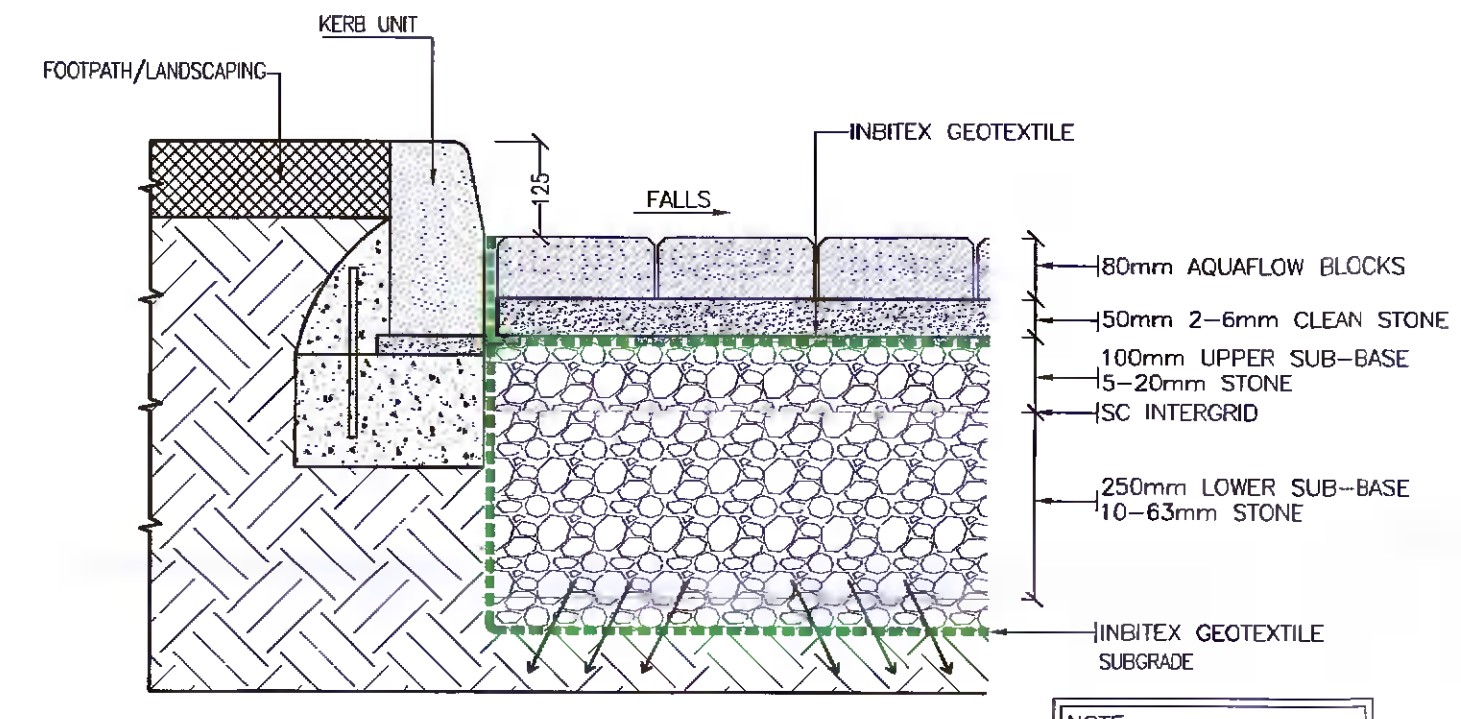


**TYPICAL PERMEABLE PAVING AND HARDSTANDING JUNCTION DETAIL**  
Scale 1:20

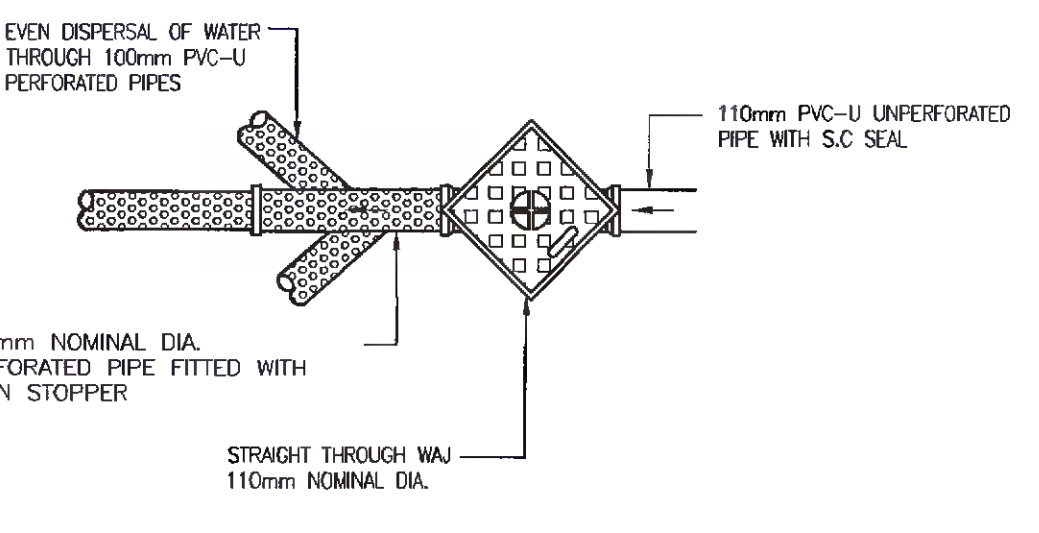
**NOTE:**  
ALL FOUL SEWER & WATERMAIN DETAILS TO BE READ IN CONJUNCTION WITH IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS



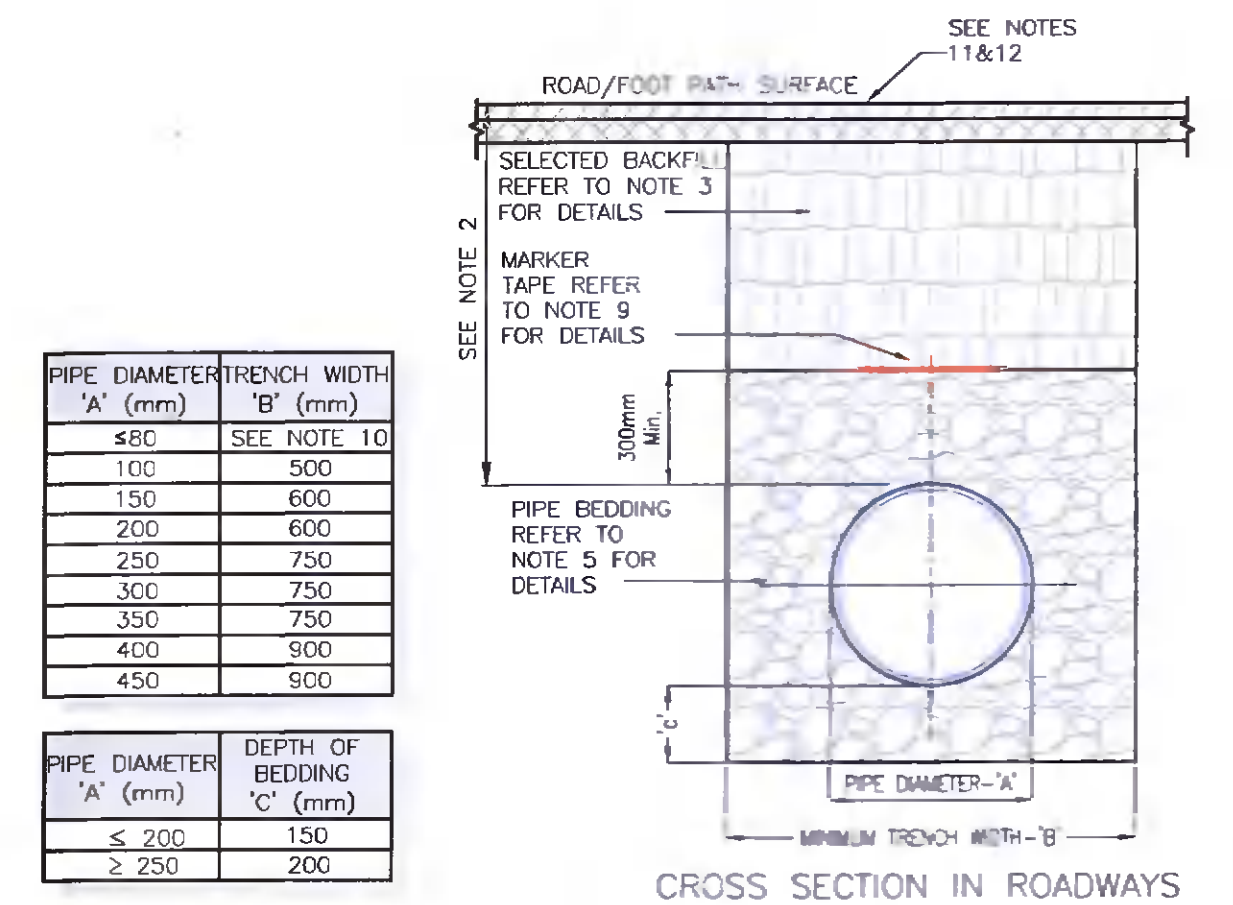
**PERMEABLE PAVING DETAIL - PEDESTRIAN AREA**  
Scale 1:10



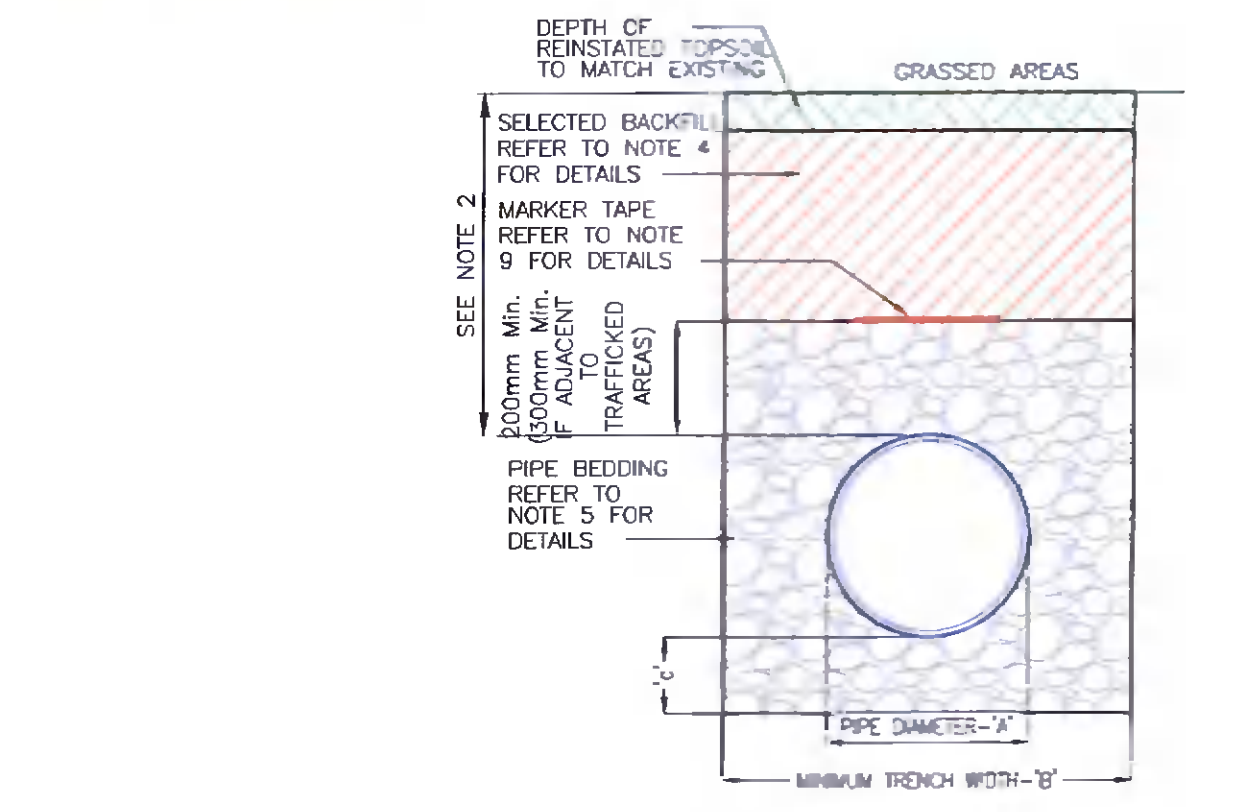
**PERMEABLE PAVING DETAIL - TRAFFICKED AREA**  
Scale 1:10



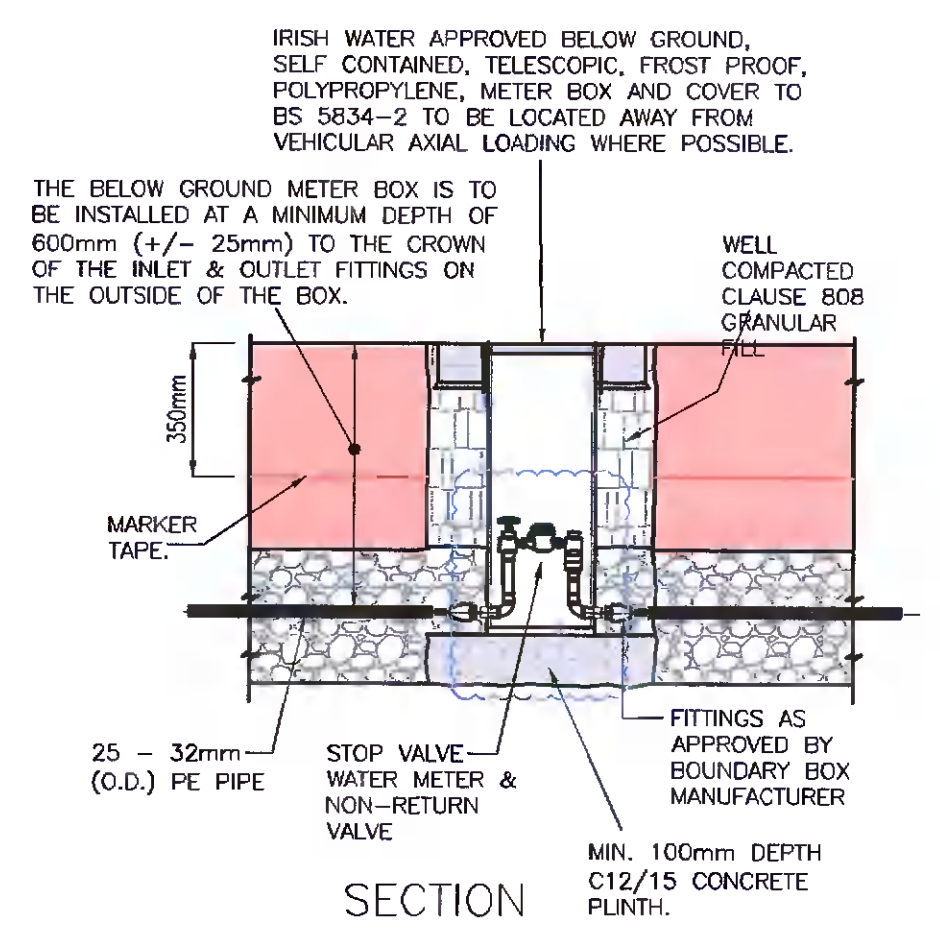
**PLAN OF OVERFLOW CONNECTION TO PERMEABLE PAVING**



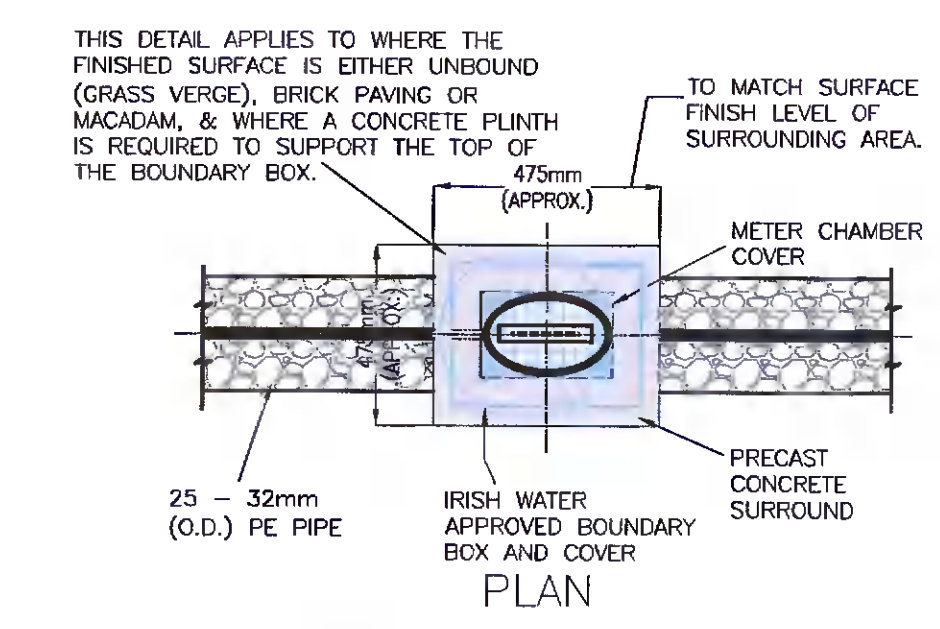
**CROSS SECTION IN ROADWAYS**



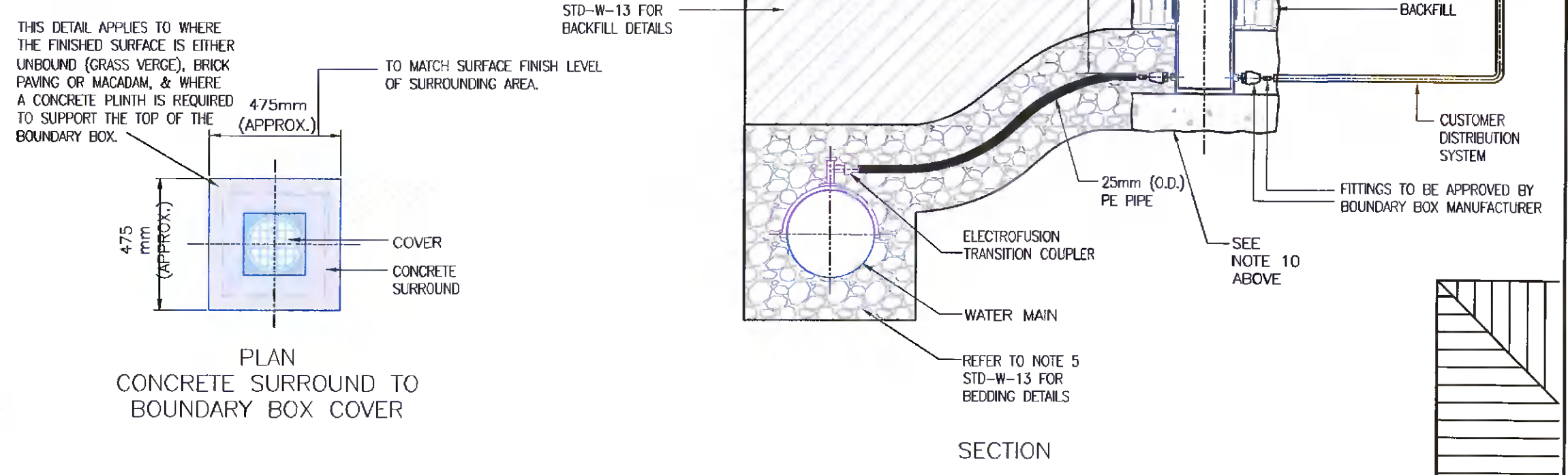
**CROSS SECTION IN GRASSED AREAS**



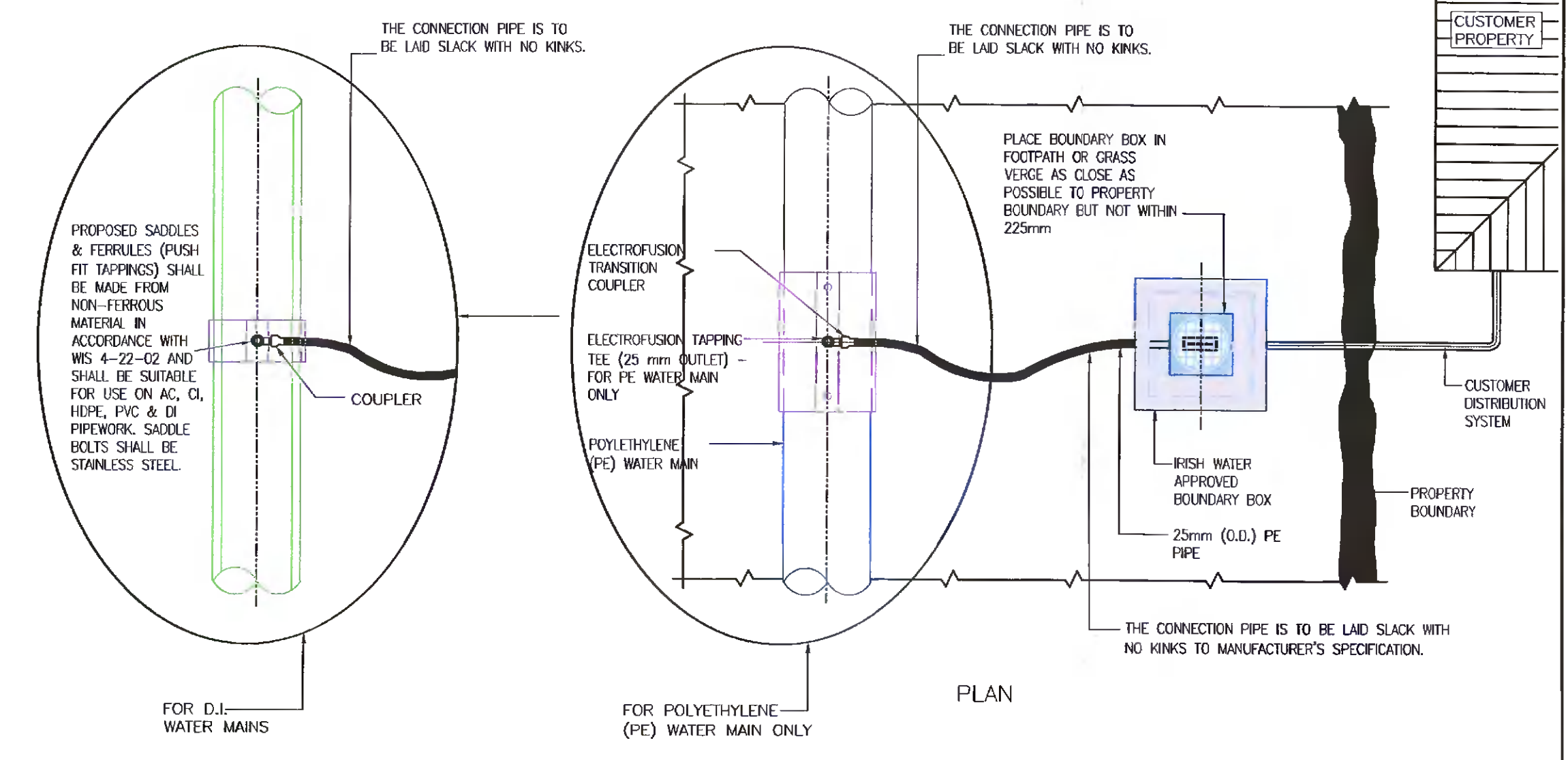
**SECTION**



**PLAN**  
**INLINE FLOW METER CHAMBER (25-32mm O.D. DIA.)**



**SECTION**



**PLAN**  
**CUSTOMER CONNECTION AND BOUNDARY BOX (25mm OD PIPE)**

- NOTES:**
- FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING. DIMENSIONS TO BE CHECKED ON SITE.
  - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL & ENGINEERING DRAWINGS & ALL OTHER RELEVANT DRAWINGS & SPECIFICATIONS.
  - ALL LEVELS RELATE TO A DATUM OF 00.0m TAKEN AT EXISTING ENTRANCE WITH EXCEPTION OF THE FOUL SEWER LEVELS WHICH ARE TO MAIN HEAD.
- DRAINAGE NOTES:**
- SPIGOT SOCKET CONNECTION TO BE USED AT PVC-A/DUCTILE IRON JUNCTIONS.
  - WATERMAIN TO BE MDPE-PE 80. COVER TO WATERMAIN TO BE 900mm.
  - ALL FOUL SEWERS TO BE 150mm min CONCRETE OR PVC-U. ALL SURFACE WATER SEWERS TO BE 225mm min CLASS H. ALL CONNECTING SEWERS TO LOCAL AUTHORITY'S DRAINS TO BE 225mm.
  - ALL WORKS SHALL BE CARRIED OUT STRICTLY IN ACCORDANCE WITH THE RECOMMENDATIONS & CONDITIONS ISSUED BY LOCAL AUTHORITY.
  - THE DEVELOPMENT SHALL BE CONNECTED TO THE PUBLIC SEWER TO THE SATISFACTION OF THE LOCAL AUTHORITY. THE MINIMUM COVER TO ANY SEWER PIPE SHALL BE 1.2m IN ROADS AND 0.9m IN OPEN SPACES AND FOOTPATHS NOT ADJACENT TO CARRIAGEWAYS. WHERE IT IS NOT POSSIBLE TO ACHIEVE THESE MINIMUM COVERS, PIPES SHALL BE BEDDED AND SURROUNDED IN CONCRETE 150mm THICK.
  - ALL MANHOLE COVERS AND FRAMES SHALL BE HEAVY DUTY GRADE A TO BS 487 & TO COMPLY WITH LOCAL AUTHORITY'S REQUIREMENTS.
  - THE SEWERS AND MANHOLES SHALL BE LAID AND TESTED IN ACCORDANCE WITH THE LOCAL AUTHORITY'S AND IRISH WATER GUIDELINES SPECIFICATIONS. LAYING, BEDDING AND BACK FILLING OF SEWERS SHALL BE IN ACCORDANCE WITH DFK SPECIFICATIONS & DRAWINGS.
  - ALL SERVICES TRENCHES IN ROADS SHALL BE BACK FILLED AND PROPERLY COMPACTED WITH GRANULAR MATERIAL AS PER DFK TYPICAL DETAILS.
  - (a) ALL GULLIES AND MANHOLES LOCATED IN THE PUBLIC ROAD SHALL BE LOCKING TYPE.
  - (b) DOUBLE GULLIES TO BE PROVIDED AT ALL ROAD SAG CURVES AND CUL DE SACS WHERE INDICATED. SEPARATE CONNECTIONS SHALL BE PROVIDED FOR EACH GULLY. NO GULLY SHALL BE MORE THAN 10m FROM A SURFACE WATER CONNECTION.
  - IN ANY INSTANCES WHERE 1200 COVER TO SEWER IS NOT ACHIEVED, THE PIPE SHOULD BE SURROUNDED IN 150mm CONCRETE.
  - ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AT EACH SIDE OF HYDRANTS AND VALVES. HYDRANT OUTLETS TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE.

Rev.	Date	Drawn By	Checked By	Revision
A	20.12.21	SG	SG	Overflow detail added + soakaway section updated

Status: **PLANNING**

Client: **TERESA & CIARA BUTLER**

Project: **HAWTHORNS KILLAKEE LAWNS FIRHOUSE DUBLIN 24**

Dwg. Title: **DRAINAGE & WATERMAIN DETAILS SHEET 1 OF 2**

THIS DOCUMENT IS THE PROPERTY OF DOHERTY FINEGAN KELLY CONSULTING ENGINEERS. THE DESIGN INFORMATION CONTAINED HEREIN IS STRICTLY CONFIDENTIAL. THIS DOCUMENT IS NOT TO BE USED, REPRODUCED, DISCLOSED OR CIRCULATED IN WHOLE OR IN PART WITHOUT THE PRIOR WRITTEN PERMISSION IN EACH INSTANCE OF DOHERTY FINEGAN KELLY CONSULTING ENGINEERS.  
© PROPERTY OF DOHERTY FINEGAN KELLY CONSULTING ENGINEERS

**DFK**

**DOHERTY FINEGAN KELLY**  
**DOHEP.TA. HHECBAI KETPA**  
CONSULTING CIVIL & STRUCTURAL ENGINEERS  
Botanic Court, 30 Botanic Road,  
Glanevin, Dublin D09 W2V9.

Tel: (01) 8301852 Fax: (01) 8602265  
E-Mail: mailroom@dfk.ie

Drawn By	BS	Scale	1:100
Checked By	SG	Date	09/09/21
Dwg. No.	21175-02	Rev.	A