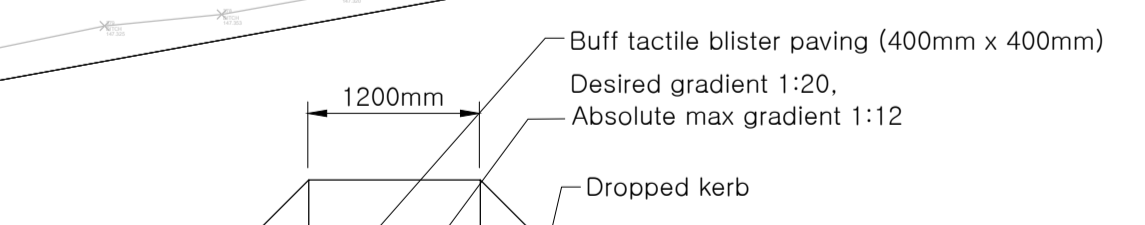


Road carriageway has a single 1:40 crossfall away from the houses, towards the dropped kerb and underdrained filter swale in the verge



Uncontrolled pedestrian crossing path/kerb
Scale 1:50

Uncontrolled (Inset) pedestrian crossing path/kerb
Scale 1:50

- Tactile Paving Note:**
- Uncontrolled crossings in accordance with 'Traffic Management Guidelines' DOT, 2019.
 - Module type B (400mm x 400mm) only is shown here and shall be used.
 - Tactile blister paving shall be bedded on 25mm moist sand/cement mortar (3:1), joints filled with 4:1 mix to within 2mm of the paving surface.
 - Dropped kerb shall have a maximum up-stand of 6mm.

General Notes
 All drawings are to be read in conjunction with all relevant specifications, bills of quantities, architectural Services and engineering drawings.
 Any discrepancies between these documents shall be brought to the attention of the engineer and architect.
 All dimensions are in millimetres, unless noted otherwise.
 Figured dimensions take precedence over scaled dimensions.
 The contractor is responsible for all temporary works.
 The contractor must prepare a method statement and submit it to the engineer/architect prior to the undertaking of any structural or civil engineering work.

Groundworks Notes
 All soft and organic material to be removed from under foundations.
 Ensure clean, dry, level solid rock base to all footings.

Concrete Notes
 Concrete blinding to be 50mm minimum under all structures in direct contact with the ground.
 Concrete to all footings to be designation class XC2, as specified in EN1992.
 Minimum indicative concrete strength to be C28/35.
 Maximum aggregate size to be 20mm.
 Concrete finishes to be as follows:
 Footings/ground beams Plywood shuttering and surfaces to be timber tamped.
 Floor slabs Steel float
 External ground slabs and footpaths Brushed finish.
 Reinforcement to comply with BS 4448 and BS 4483.
 Minimum cover to reinforcement to be as follows:
 Foundations 50mm
 Ground beams 50mm
 Reinforcement lap lengths to be as follows:
 Mesh 300mm
 H10 400mm H12 500mm
 H16 650mm H20 800mm

Services Notes
 All new drainage pipes up to and including 1500 to be uPVC to BS EN 1401-01, unless otherwise noted
 All internal pipes to be provided with 100mm thick mass concrete bed.
 Manholes to be constructed using precast manhole rings, unless noted otherwise.

Blockwork notes
 Structural masonry to conform to en 1996 eurocode 6 and SR 325
 Standard blocks to be solid, standard textured, normal density concrete blocks with a minimum compressive strength of 7.5N/mm² in accordance with IS EN 772-1
 Blocks where a painted finish is specified to be solid, fine textured, normal density concrete
 Mortar to be as outlined in table NA.3 of Irish National annex to EN 1996-1-1
 Masonry workmanship in accordance with IS EN 1996-2, SR 325 and Table NA.2
 Insulation, dpcs and dpms as outlined in architects documents.
 Cavity wall ties to be twisted stainless steel with integral drip and insulation retention clip.
 Cavity wall ties required at 450mm centres horizontally and 450mm centres vertically.

Steelwork Notes
 All Structural Steelwork To Comply With EN 1993 EUROCODE 3 and all should be CE marked
 All steel beams will bear on Precast Concrete Padstones 450mm long, Unless Otherwise Authorised.
 The Steelwork Contractor should be certified to execution class 2 and is Responsible For The Accuracy Of All Dimensions And For The Correct Setting Out Of The Work On Site.
 External steelwork to be galvanised (Unless Noted Otherwise).
 Where custom lintels are indicated then equivalent products may be used if approved by the ENGINEER
 All structural steelwork should be coated in paintwork or encased in materials that are certified to provide 30 minutes fire resistance, Unless otherwise authorised in writing by the ENGINEER

Timber Notes
 Timber to comply with EN 1995 EUROCODE 5
 Structural Timber GRADED in accordance with IS EN 14081 & IS EN 338

Health & Safety Notes
 Contractor To Comply With Safety, Health And Welfare At Work (Construction) Regulations, 2001.
 Health & Safety Procedures To Be Followed At All Times, Especially With Regard To Any Works In Or Around Existing Live Sewers, Drains Or Inspection Chambers.
 The Contractor To Be Responsible For Checking The Location Of All Existing Services

Revised Layout	17/01/24	E	WF
Revised Levels & Levels	20/12/23	E	WF
Issued for information		E	WF
Rev. Description	Page	From	To

walsh design group
 Consulting Engineers
 The Mall, Maryborough Woods, Douglas, Cork
 Tel: 021-4774940 email: info@wdg.ie

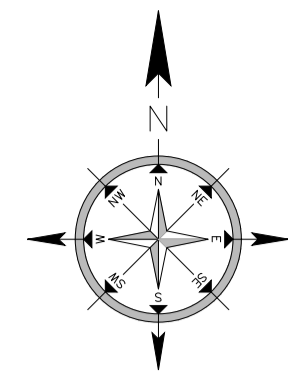
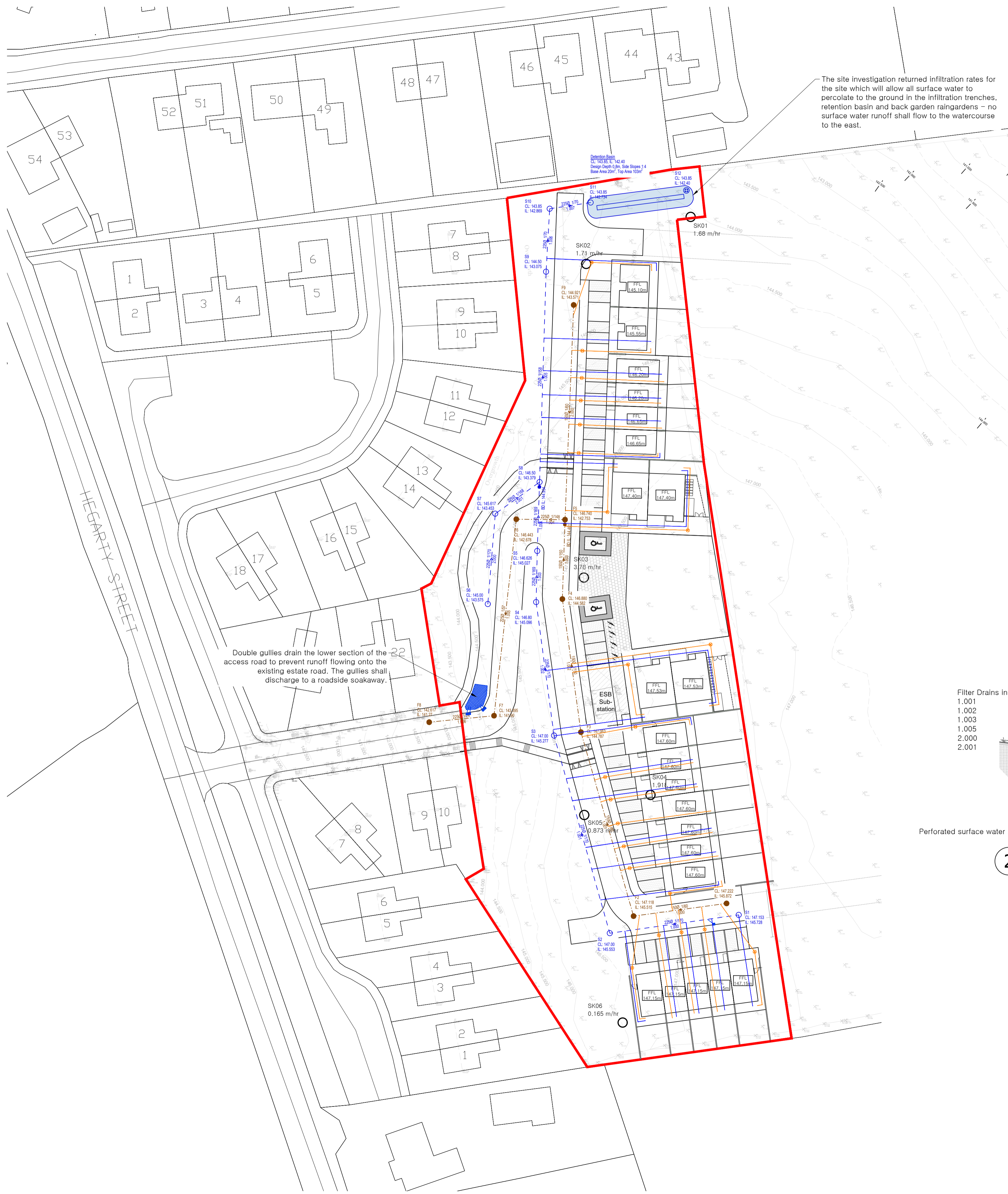
Title: Site Layout
Roads & Levels

Project: Proposed Residential Development,
Millstreet,
Co. Cork

ID No: 23029-XX-XX-XX-DR-WDG-CE-001
 Date: Oct 2023
 Drawn by: IR
 Scale: 1:250
 Purpose: P1 - Information

Rev: 0

© COPYRIGHT WALSH DESIGN GROUP, DOUGLAS, CORK
 THIS DRAWING CANNOT BE REPRODUCED WITHOUT WRITTEN PERMISSION



The site investigation returned infiltration rates for the site which will allow all surface water to percolate to the ground in the infiltration trenches, retention basin and back garden rain gardens - no surface water runoff shall flow to the watercourse to the east.

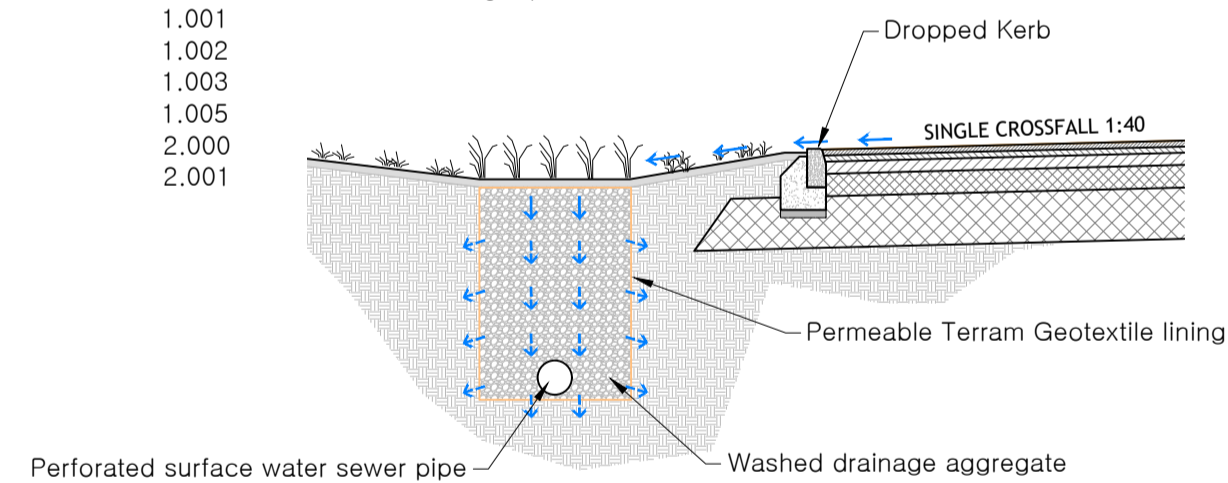
Drainage Legend

- Proposed Wastewater Lines (Refer to STD-WW-07 & STD-WW-08)
- Proposed Wastewater Manholes (Refer to STD-WW-10, 11 & 12)
- Proposed Surface Water Lines
- Proposed Surface Water Manholes
- Proposed 100mmØ Foul Connection Pipe
- Proposed 100mmØ Wastewater Connection Pipe
- Proposed Inspection Chambers
- Application Boundary

Note:
See WDG Drawing No.
23029-XX-XX-XX-DR-WDG-CE-004 for the layout
of SuDS measures throughout the proposed development

Double gullies drain the lower section of the access road to prevent runoff flowing onto the existing estate road. The gullies shall discharge to a roadside soakaway.

Filter Drains in the following Pipe Runs:
1.001
1.002
1.003
1.005
2.000
2.001



2 Roadside Filter Drain
Scale: 1:50

- Notes:
- All Levels are relative to Ordnance Datum.
 - All coordinates are ITM.
 - Minimum cover to pipes under roadways to be 1200mm. Where this can not be achieved, concrete surround and cover should be provided in accordance with Irish Water Standard Detail STD-WW-08.
 - Manhole Covers to be adjusted to suit finished road levels.
 - D 400 Covers are to be used within roadways and green areas.
 - Manhole covers shall be hinged, non-rock design with 2 closed keyways.
 - Maximum distance between manholes to be 90m.
 - All pre-cast manhole rings to have a minimum of 150mm of concrete surround.
 - Pre-cast manhole rings to have a minimum of 150mm of concrete surround where depth to invert exceeds 2.0m.
 - Pipe joining shall be as per manufacturers instructions
 - All wastewater sewer pipes will be uPVC and will have a minimum 3.2mm wall thickness and SN8 stiffness class. Sewer pipes will comply with section 3.13 of the IW Code of Practice for Wastewater Infrastructure (Rev2) July 2020.
 - All foul and storm water pipes running close to any building or development structure to have a horizontal distance from the foundations of at least 3.0m or a distance equivalent to the depth of the sewer below the foundation, whichever is greater.
 - Storm water shall not be permitted to enter the foul sewer.
 - All connections to the foul sewer shall be made using Tee pieces built into the main line in accordance with IW standard detail STD-WW-03.
 - Built in connections to the foul sewer to facilitate the installation of washing machines and dishwashers to be provided.
 - A separate foul service pipe is to be taken from each house to the main sewer. Common drains are not permitted for use.
 - An inspection chamber in compliance with IW Standard Details STD-WW-03 (Rev2) and STD-WW-13 (Rev3) will be located within the curtilage of each premise, within 1.0m of the premise boundary as per section 3.11.14 of the wastewater Code of Practice.
 - The maximum backdrop permitted in foul manholes is 2.5m - refer to section 3.6 of the Wastewater Code of Practice and STD-WW-12 for more detail.
 - See section 3.5 of the IW Code of Practice for Wastewater for required separation distances.
 - The external face of proposed manhole chambers will be constructed a minimum of 0.5m from a kerb line and the external face of a sewer line will be constructed a minimum of 1.0m from a kerb line in accordance with section 3.5.16 of the Wastewater Code of Practice.
 - All foul sewer construction details for both gravity sewers and rising mains to comply with the following Irish Water Documents:

Manhole Schedule				
MH No.	MANHOLE DIAMETER (mm)	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)
S1	1200	147.153	145.728	1.200
S2	1200	147.000	145.553	1.222
S3	1200	147.000	145.277	1.498
S4	1200	146.800	145.096	1.479
S5	1200	146.626	145.027	1.374
S6	1200	145.000	143.575	1.200
S7	1200	145.617	143.453	1.939
S8	1200	146.500	143.379	2.896
S9	1200	144.500	143.075	1.200
S10	1200	143.850	142.869	0.756
S11	1200	143.850	142.734	0.891
S12	1350	143.850	142.400	1.225
F1	1200	147.222	145.872	1.200
F2	1200	147.118	145.515	1.453
F3	1200	147.063	144.787	2.126
F4	1200	146.880	144.582	2.148
F5	1200	146.740	142.753	3.762
F6	1200	146.443	142.678	3.540
F7	1200	143.395	141.900	1.270
F8	1200	142.617	141.270	1.122
F9	1200	144.921	143.571	1.200

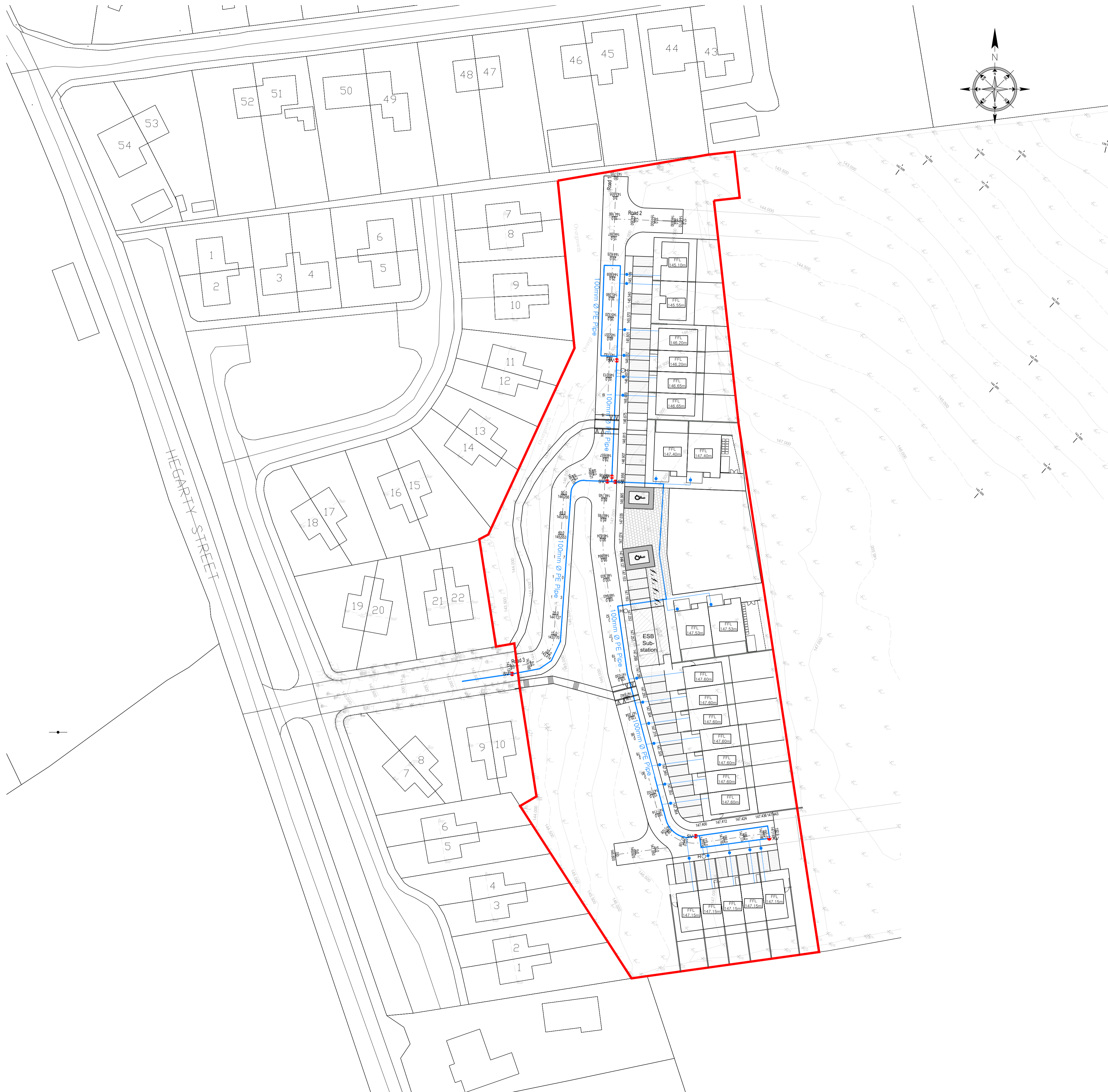
○	Revised layout	17.01.24	IR	MF
○	SW Drainage Scheme revised	20.12.23	IR	MF
○	SW Drainage Scheme revised	15.12.23	IR	MF
○	Layout for Information	20.10.23	IR	MF
○	Rev. Description	17.08.23	IR	MF

walsh design group
NSAI
Consulting Engineers
The Mall, Maryborough Woods, Douglas, Cork
Tel: 021-4774940 email: info@wdg.ie

Title:	Site Layout Drainage
Project:	Proposed Residential Development, Millstreet, Co. Cork
ID No:	23029-XX-XX-XX-DR-WDG-CE-002
Date:	Oct 2023
Drawn by:	IR
Scale:	1:250
Purpose:	P1 - Information
Rev:	0

1 Layout Plan

Scale: 1:500



Legend

- Water Main (80PE 100mm Ø unless otherwise shown - Refer to STD-W-13 re. Trenching & Backfilling)
- - - Existing Watermain
- Water service connection & boundary box (Refer to STD-W-01 & 03)
- Me Bulk Meter (Refer to STD-W-26 & 26A)
- AV Air Valve (Refer to STD-W-22 & 23)
- SV Sluice Valve (Refer to STD-W-15)
- H Hydrant (Refer to STD-W-18 & 19)
- Application Boundary

NOTES:

1. Do not Scale from the drawing.
2. All dimensions are in mm unless otherwise noted.
3. All coordinates are ITM.
4. All construction details and domestic connections will be constructed to the specifications provided in the Irish Water Document: 'Water Infrastructure Standard Details - Connection and Developer Services, Document Number IW-CDS-5020-01, (December 2017, Revision 03) and the Irish Water Publication 'Code of Practice for Water Infrastructure', IW-CDS-5020-03 (December 2017, Revision 1).
5. All Water mains shall be blue MDPE or HDPE and of a type PE80 (Polyethylene) and have an SDR-11 or SDR-17 rating. They will conform to IS EN 12201: Part 1 and Part 2 (Plastic Systems for Water Supply, Drainage and Sewerage Under Pressure - Part 1, General and Part 2, Pipes) and IS EN 12201-3 (Plastic Systems for Water Supply, Drainage and Sewerage Under Pressure - Part 3: Fittings).
6. Polyethylene pipes shall also conform to the following UK Water industry specifications (WIS): 4-32-08, 4-32-19 & IGN 4-32-18, 4-01-03.
7. Polyethylene pipes shall also conform to the specifications in Section 3.3 of the Irish Water Code of Practice for Water Infrastructure, July 2020 (Rev 2).
8. All water mains shall comply with Section 3.11 of IW-CDS-5020-03 regarding depth of cover.
9. Air valve and hydrant covers, in grassed areas, shall be surrounded by a concrete plinth, 200mm all round and 100mm deep formed with C20/25 concrete, 20mm aggregate, bedded in clause 804 material. The plinth shall incorporate mild steel reinforcement links and have a bull-nose finish around its external perimeter. See section 3.18 of the Water Code of Practice.
10. No hydrant has been located within 6m of a property as per section 3.5.25 of the Water Code of Practice.
11. No new water main, up to and including 150mm Ø, has been located within 3m of an existing or proposed structure. See section 3.5.9 of the Water Code of Practice.
12. Sluice valves have been placed at all junctions in accordance with sections 3.16.2 and 3.5.39 of the Water Code of Practice.
13. Air valves shall be positioned at localised high points as shown on the drawing and in accordance with the Water Code of Practice.
14. All 'T' Junctions will be made at 90° - see Irish Water standard detail STD-W-07.
15. The minimum separation distances for Gas Networks Ireland infrastructure shall be in accordance with IS329 'Gas Distribution Mains' and IS328 'Code of Practice for Gas Transmission Mains' as amended/updated - See section 3.6 of the Water Code of Practice.
16. All water main construction shall be in compliance with the following Irish Water Documents:
Code of Practice for Water Infrastructure, IW-CDS-5020-03, July 2020 (Rev 2)
Water Infrastructure Standard Details, IW-CDS-5020-01, July 2020 (Rev 4)

1 Layout Plan

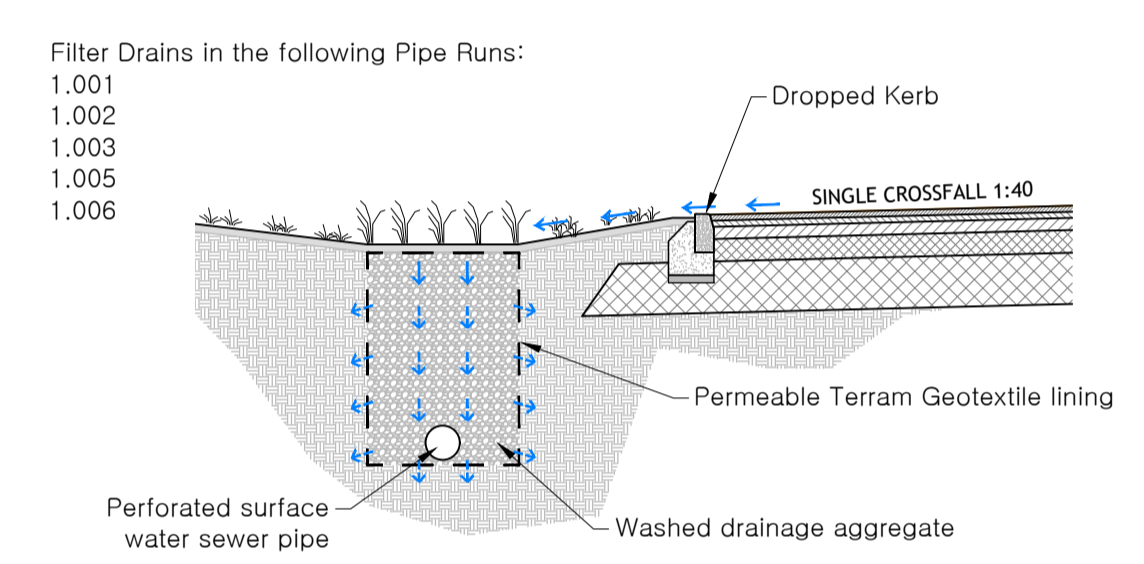
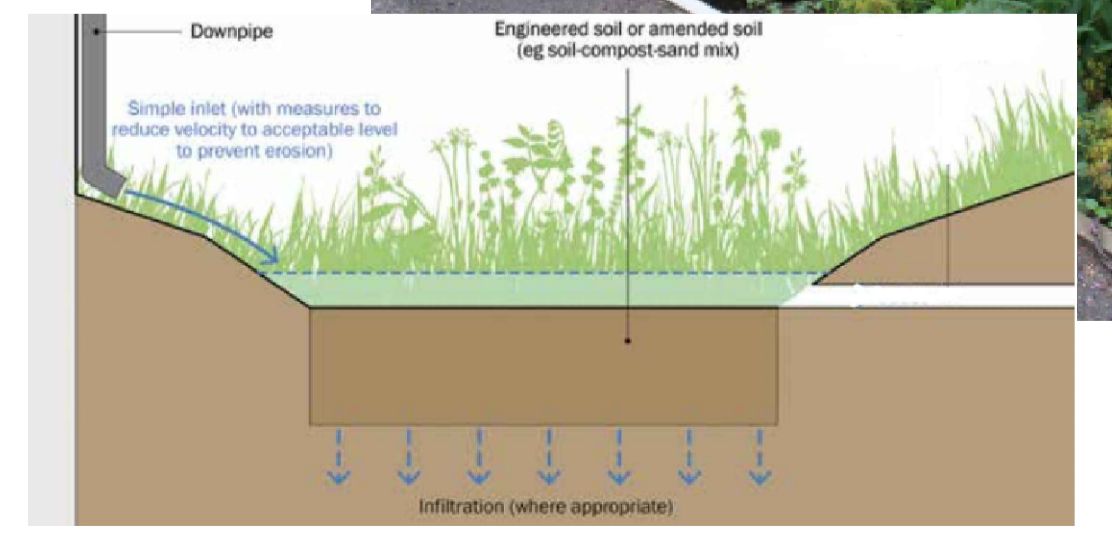
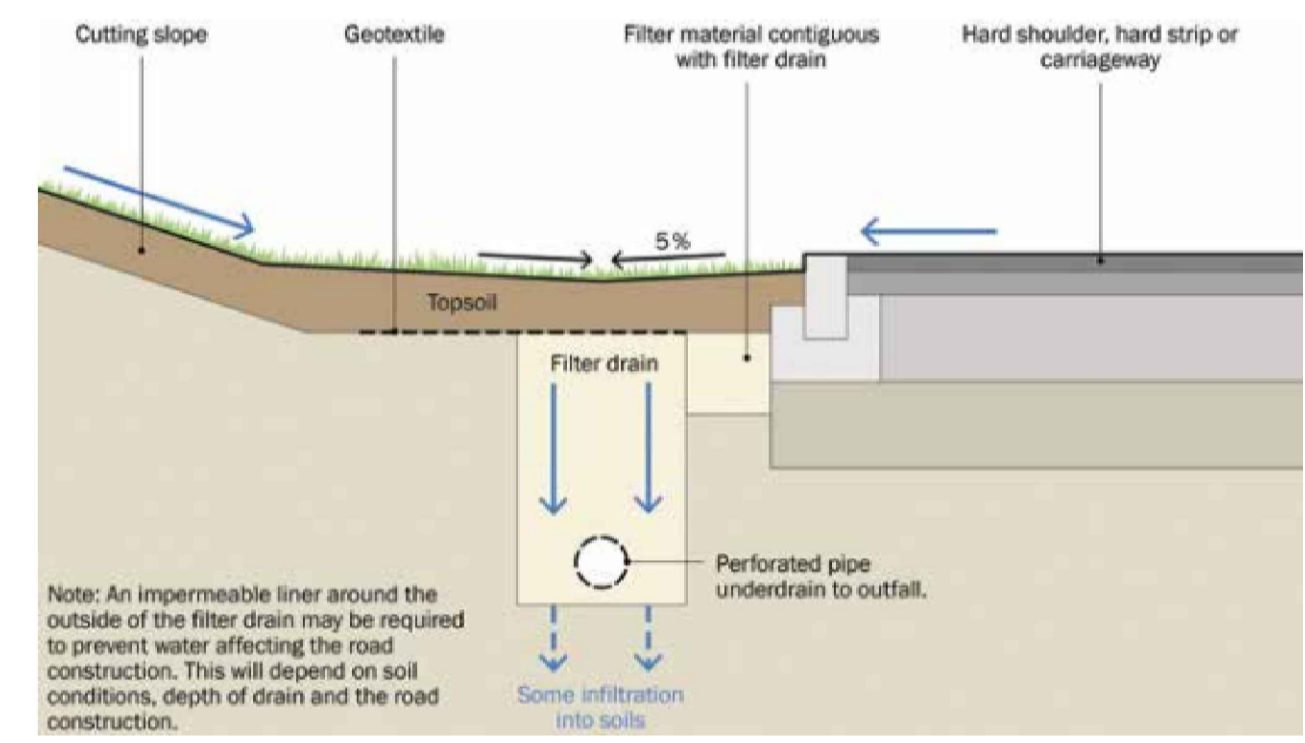
Scale: 1:500

<p>Consulting Engineers The Mall, Maryborough Woods, Douglas, Cork Tel: 021-4774940 email: info@wdg.ie</p>	
Title:	Site Layout Watermains
Project:	Proposed Residential Development, Millstreet, Co. Cork
ID No:	23029-XX-XX-XX-DR-WDG-CE-003
Date:	Jan 2024
Drawn by:	JP
Scale:	1:250
Purpose:	P1 - Information
<p>0</p>	
<p><small>© COPYRIGHT WALSH DESIGN GROUP, DOUGLAS, CORK THIS DRAWING CANNOT BE REPRODUCED WITHOUT WRITTEN PERMISSION</small></p>	



SuD's Features Legend

- Permeable Paving – Overflows connected to the main surface water network (Details on WDG drawing No. 23029-XX-XX-XX-DR-WDG-CE-504)
- Roadside Filter Drains (225mm Ø slotted uPVC pipes surrounded in washed drainage zone and terram geotextile)
- Roadside Bioretention Tree Pits – overflows connected to the main surface network (Details on WDG drawing No. 23029-XX-XX-XX-DR-WDG-CE-504)
- 300 Litre Water Butts
- Raingarden Soakaways
- Application Boundary



1 Roadside Filter Drain

- Notes:**
- All Levels are relative to Ordnance Datum.
 - All coordinates are ITM.
 - Minimum cover to pipes under roadways to be 1200mm. Where this can not be achieved, concrete surround and cover should be provided in accordance with Irish Water Standard Detail STD-WW-08.
 - Manhole Covers to be adjusted to suit finished road levels.
 - D 400 Covers are to be used within roadways and green areas.
 - Manhole covers shall be hinged, non-rock design with 2 closed keyways.
 - Maximum distance between manholes to be 90m.
 - All pre-cast manhole rings to have a minimum of 150mm of concrete surround.
 - Pre-cast manhole rings to have a minimum of 150mm of concrete surround where depth to invert exceeds 2.0m.
 - Pipe joining shall be as per manufacturers instructions
 - All wastewater sewer pipes will be uPVC and will have a minimum 3.2mm wall thickness and S18 stiffness class. Sewer pipes will comply with section 3.13 of the IW Code of Practice for Wastewater Infrastructure (Rev2) July 2020.
 - All foul and storm water pipes running close to any building or development structure to have a horizontal distance from the foundations of at least 3.0m or a distance equivalent to the depth of the sewer below the foundation, whichever is greater.
 - Storm water shall not be permitted to enter the foul sewer.
 - All connections to the foul sewer shall be made using Tee pieces built into the main line in accordance with IW standard detail STD-WW-03.
 - Built in connections to the foul sewer to facilitate the installation of washing machines and dishwashers to be provided.
 - A separate foul service pipe is to be taken from each house to the main sewer. Common drains are not permitted for use.
 - An inspection chamber in compliance with IW Standard Details STD-WW-03 (Rev2) and STD-WW-13 (Rev3) will be located within the curtilage of each premise, within 1.0m of the premise boundary as per section 3.11.14 of the wastewater Code of Practice.
 - The maximum backdrop permitted in foul manholes is 2.5m – refer to section 3.6 of the Wastewater Code of Practice and STD-WW-12 for more detail.
 - See section 3.5 of the IW Code of Practice for Wastewater for required separation distances.
 - The external face of proposed manhole chambers will be constructed a minimum of 0.5m from a kerb line and the external face of a sewer line will be constructed a minimum of 1.0m from a kerb line in accordance with section 3.5.16 of the Wastewater Code of Practice.
 - All foul sewer construction details for both gravity sewers and rising mains to comply with the following Irish Water Documents:

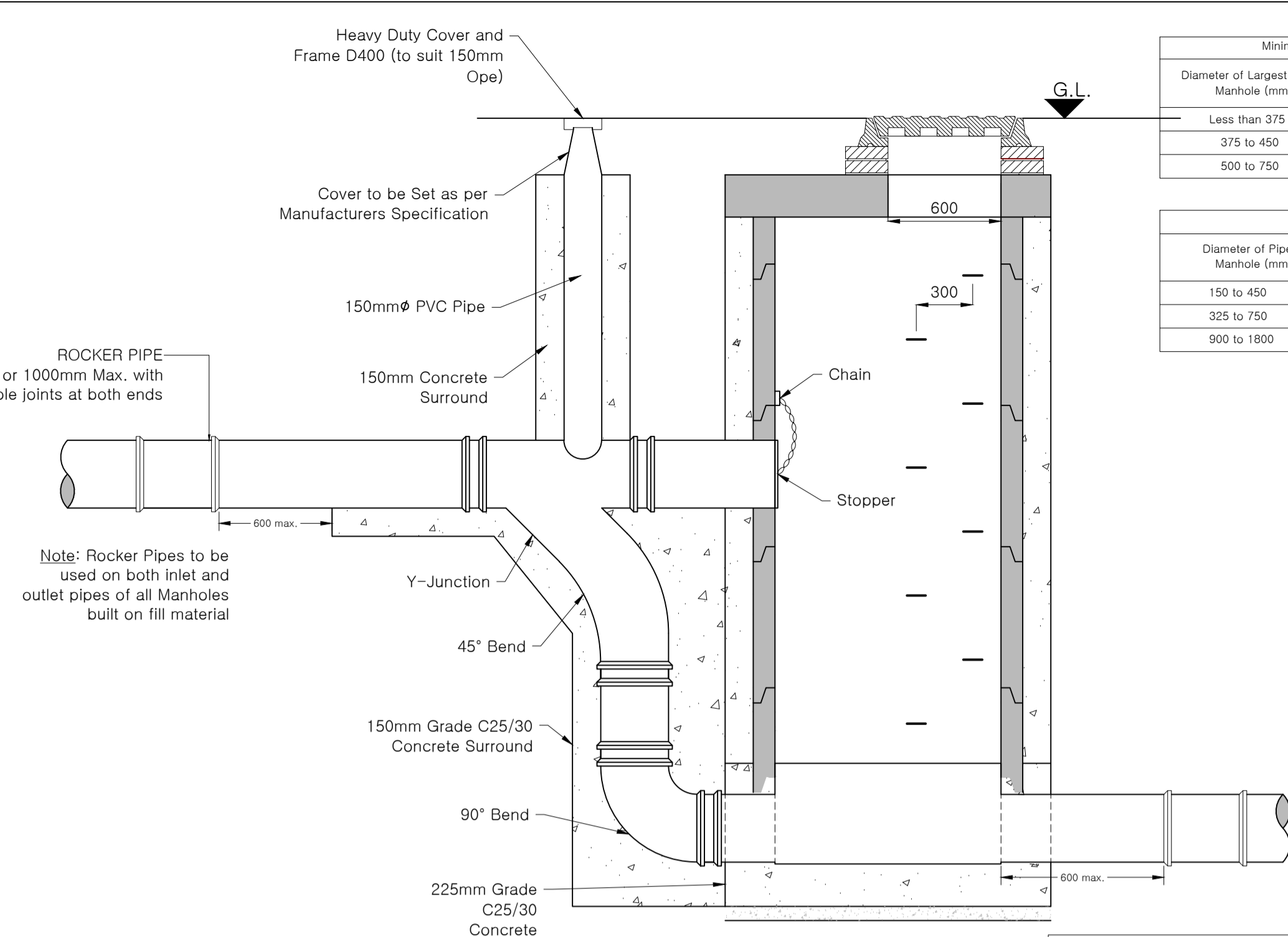
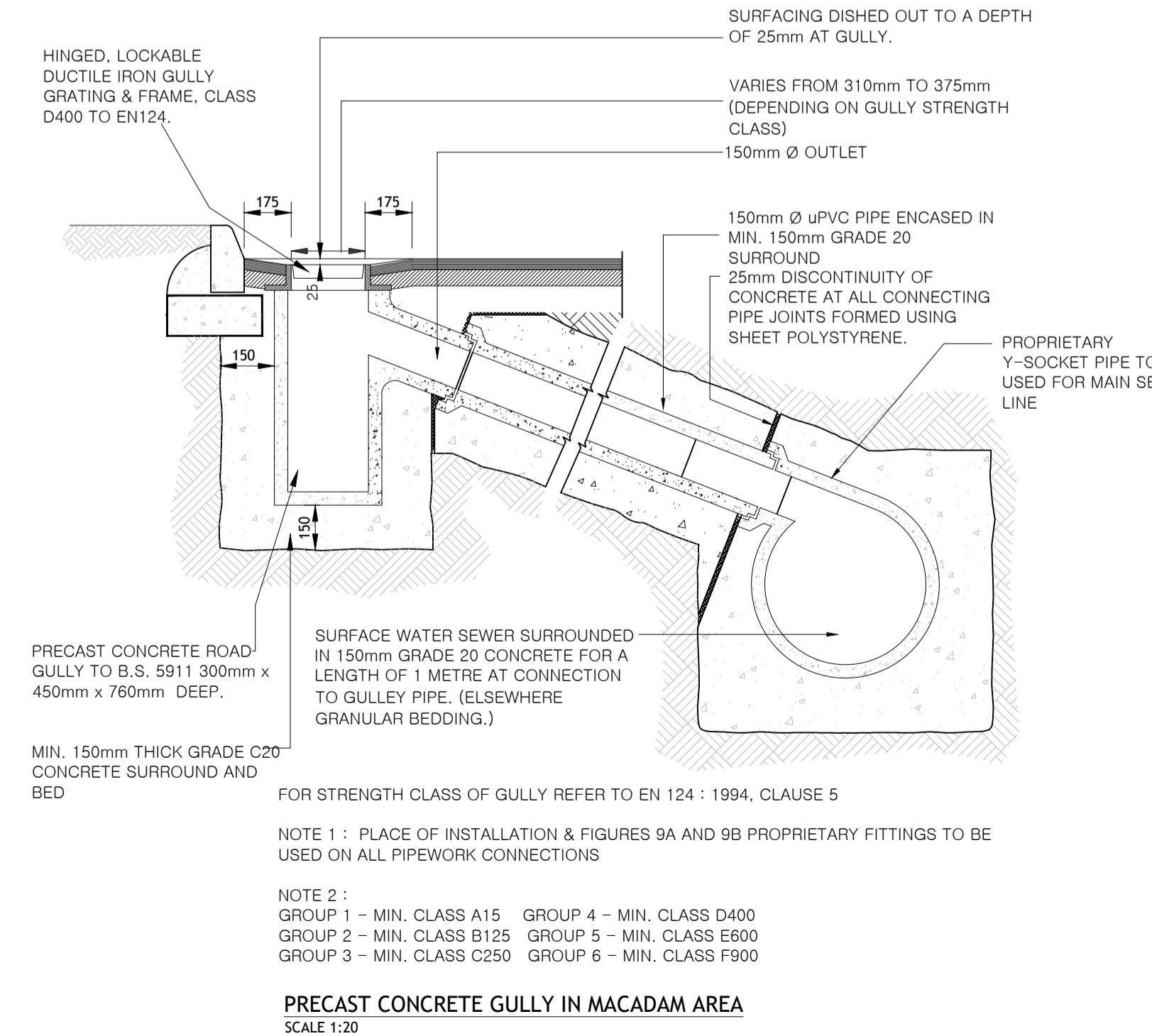
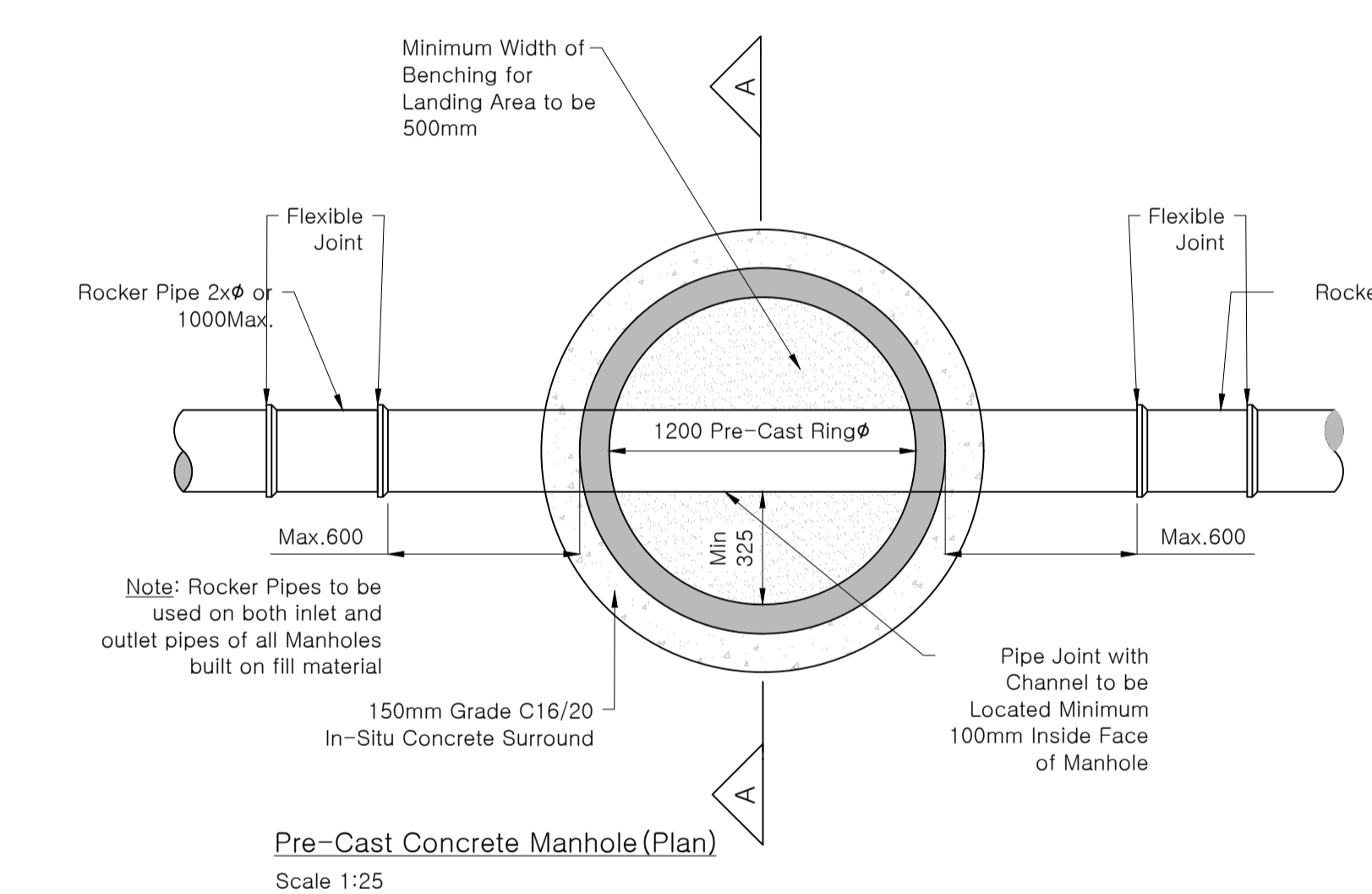
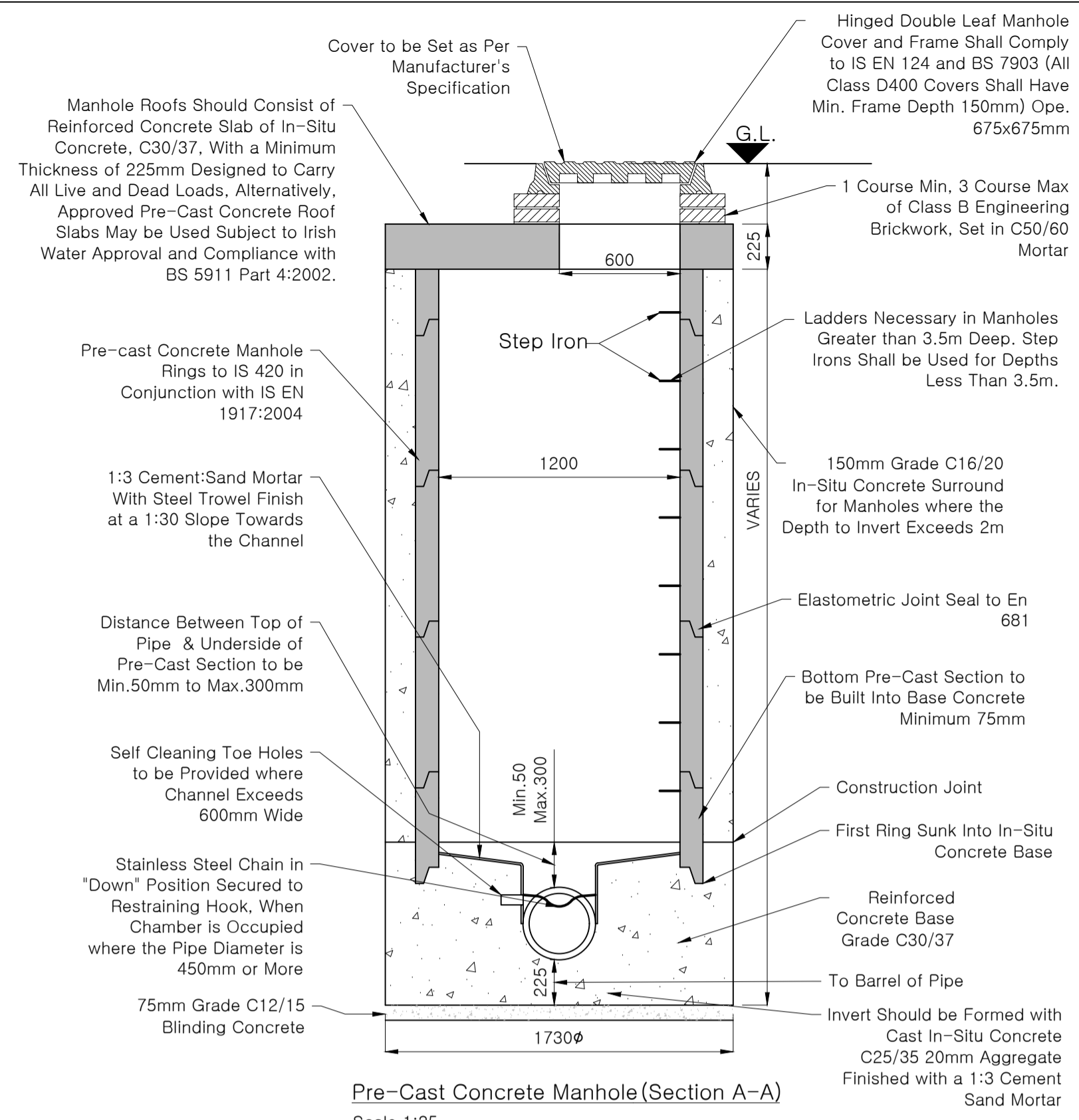
- IW-CDS-5030-01 Wastewater Infrastructure Standard Details, July 2020, Revision 4.
- IW-CDS-5030-03 Code of practice for Wastewater Infrastructure, July 2020, Revision 2.

1 Layout Plan

Scale: 1:500

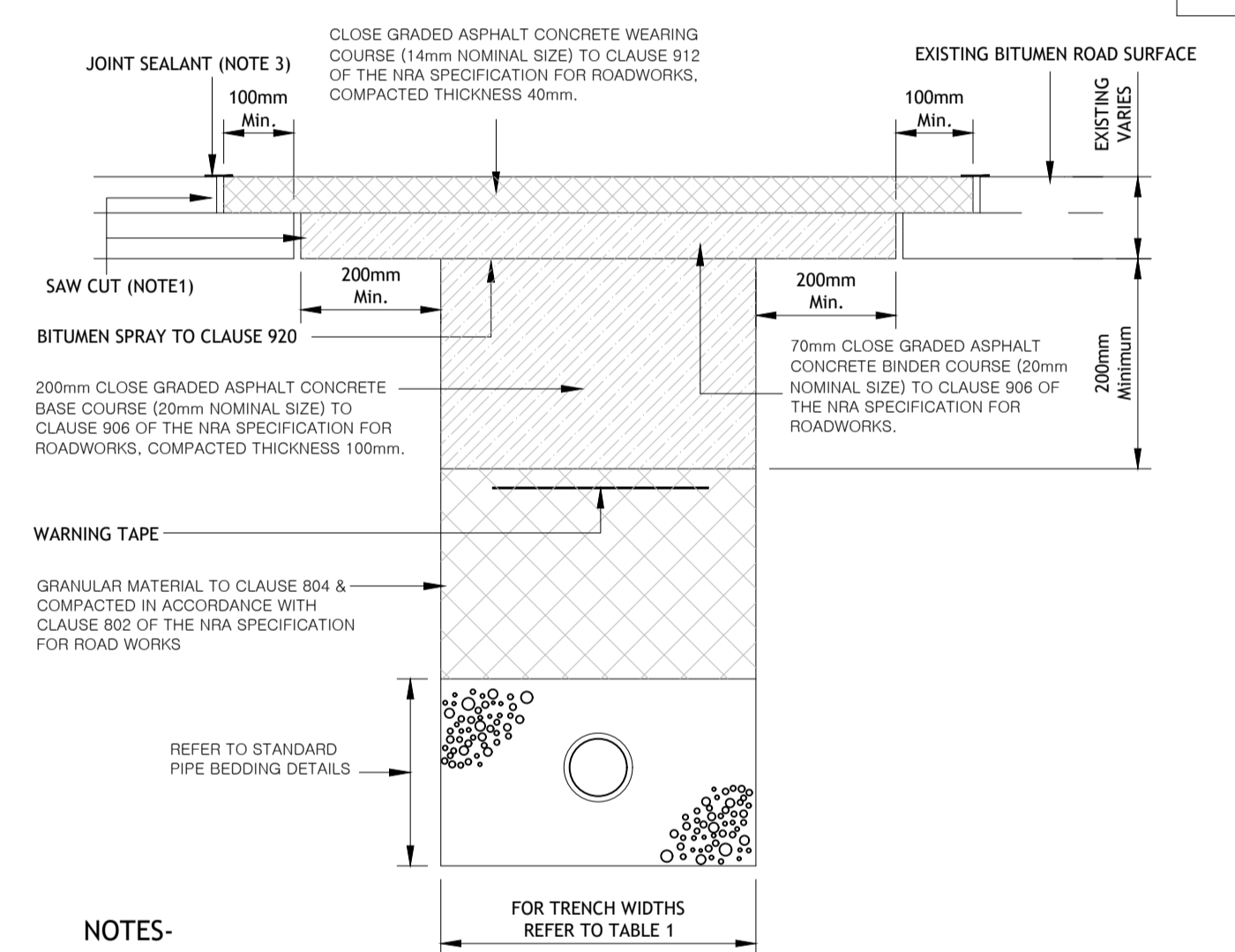
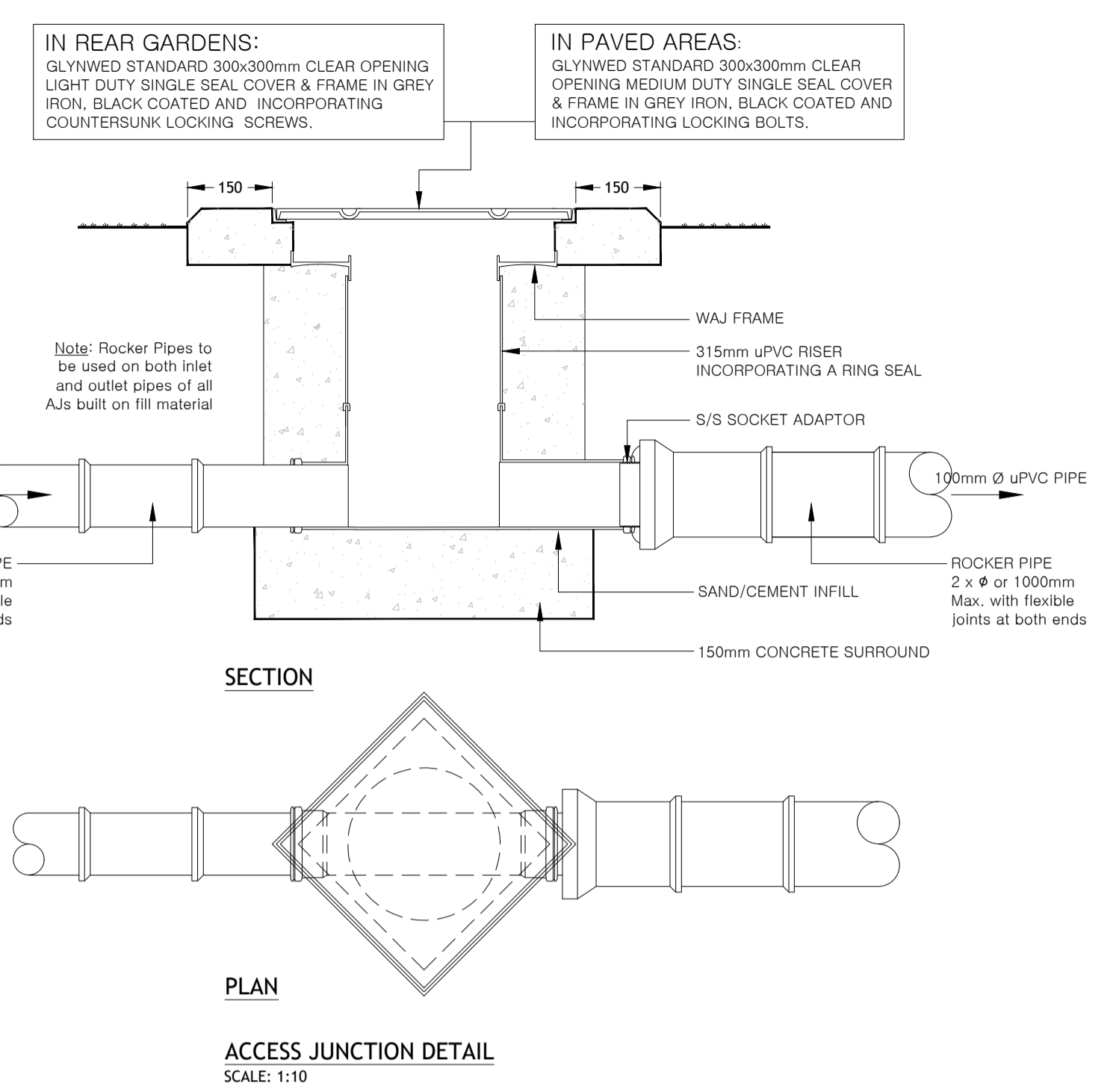
<p>walsh design group</p> <p>Consulting Engineers</p> <p>The Mall, Maryborough Woods, Douglas, Cork</p> <p>Tel: 021-4774940 email: info@wdg.ie</p>	
Title:	Site Layout Proposed SuD's Features
Project:	Proposed Residential Development, Millstreet, Co. Cork
ID No:	23029-XX-XX-XX-DR-WDG-CE-004
Date:	Jan 2024
Drawn by:	JP
Scale:	As Shown
Purpose:	P1 - Information
Rev:	0

© COPYRIGHT WALSH DESIGN GROUP, DOUGLAS, CORK
THIS DRAWING CANNOT BE REPRODUCED WITHOUT WRITTEN PERMISSION



Diameter of Largest Pipe in Manhole (mm)	Internal Diameter of Manhole (mm)
Less than 375	1200
375 to 450	1350
500 to 750	1500

Diameter of Pipe in Manhole (mm)	Length of Pipe (mm)
150 to 450	500 to 750
325 to 750	750 to 1000
900 to 1800	1000 to 1500

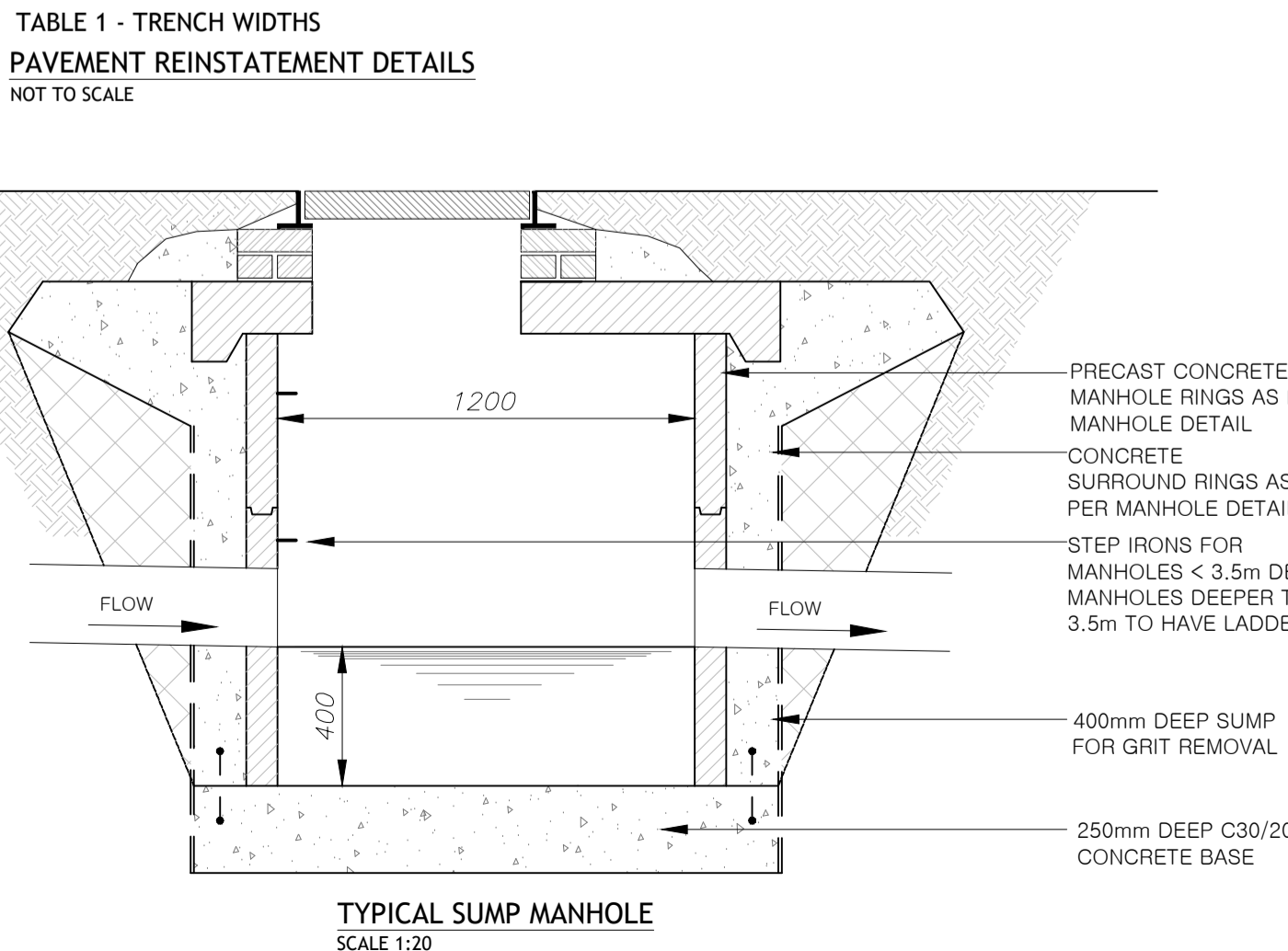


NOTES-

- ALL EDGES OF EXCAVATED AREA TO BE SAW CUT AS DETAILED.
- 100°C HOT BITUMEN BINDER 50 PEN OR COLD THHOTROPIC BITUMEN 50-70 PEN TO BE APPLIED TO ALL VERTICAL CUTS IN ACCORDANCE WITH BS 584 PRIOR TO THE APPLICATION OF SURFACE LAYERS.
- JOINTS SEALED WITH HOT BITUMEN AND TOPPED WITH FINE SAND/GRIT TO GET A MINIMUM 55 SKID RESISTANCE VALUE AS DETERMINED BY THE PORTABLE SKID RESISTANCE PENDULUM SHALL NOT EXCEED 3mm THICKNESS AND A WIDTH OF 40mm.

RIGID PIPES	NOMINAL PIPE DIAMETER (mm)	100	150	225	300	375	450	525	600	750	900	1050	1200	1200
	TRENCH WIDTH MIN (mm)	450	500	600	700	950	1050	1150	1250	1400	1950	2100	2300	2450
	TRENCH WIDTH MAX (mm)	650	700	800	900	1150	1250	1350	1450	1600	2150	2300	2500	2650

FLEXIBLE PIPES	NOMINAL PIPE DIAMETER (mm)	100	150	200	250	300
	TRENCH WIDTH MIN (mm)	450	450	600	600	700
	TRENCH WIDTH MAX (mm)	600	600	700	700	850

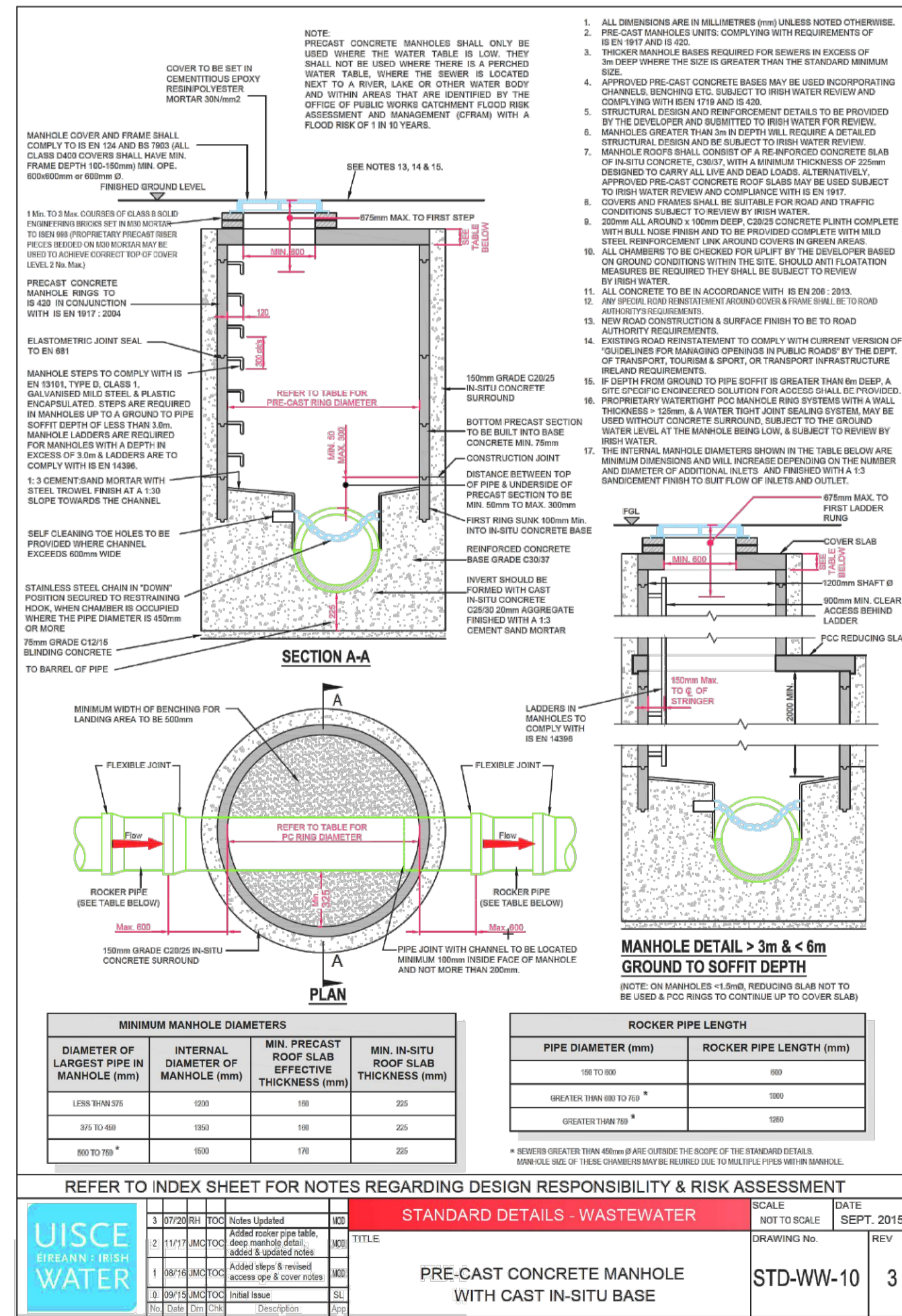
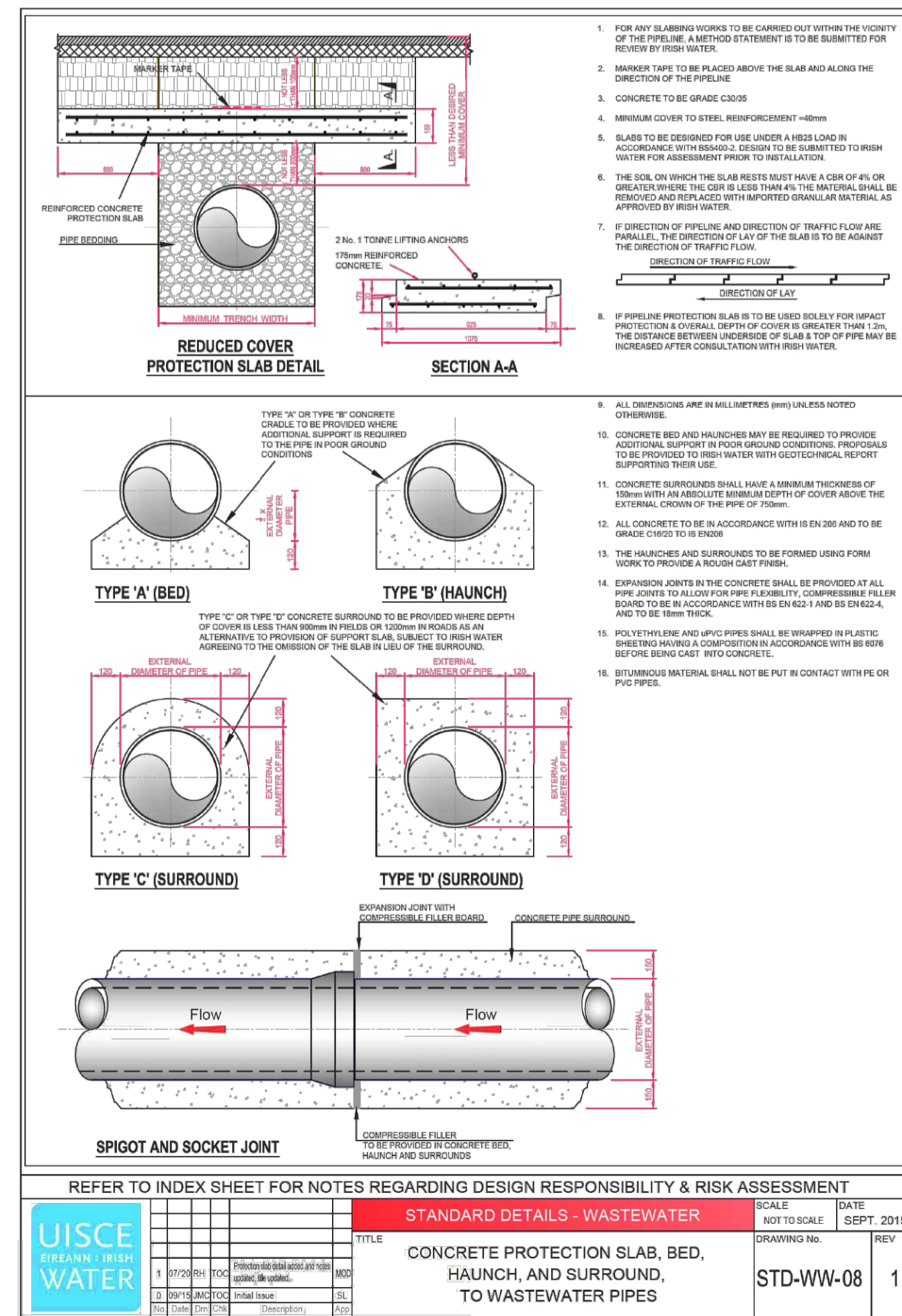
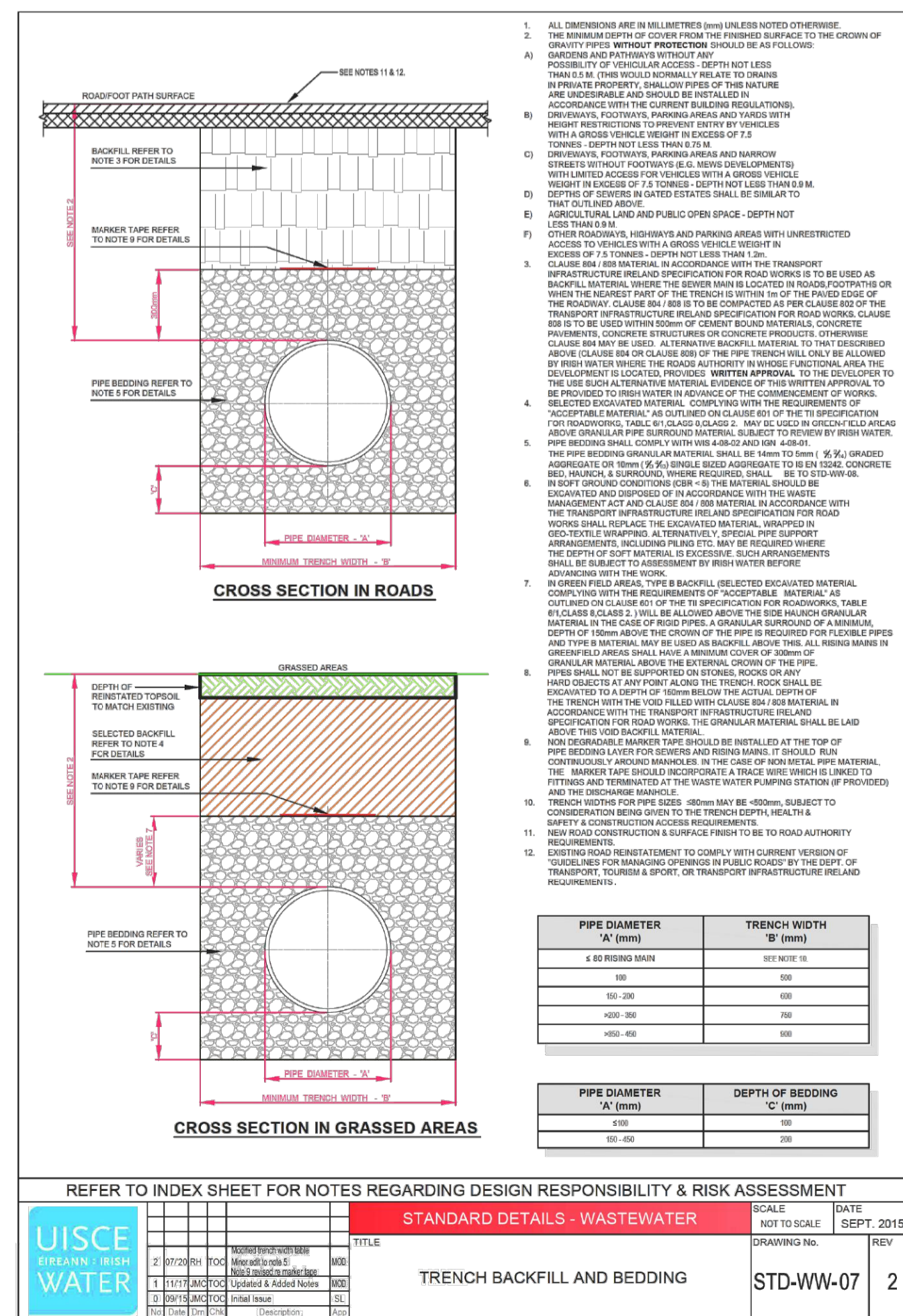
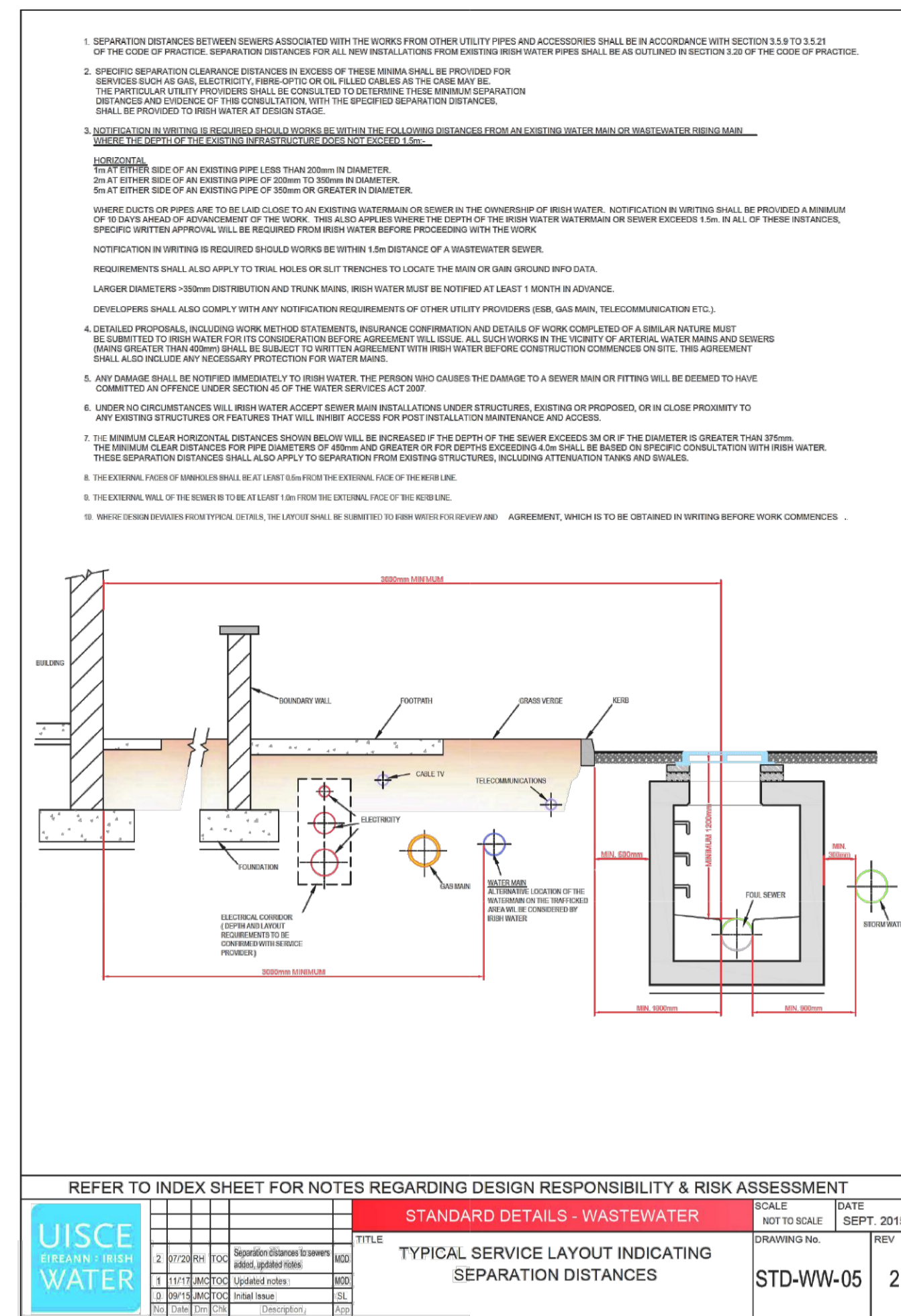
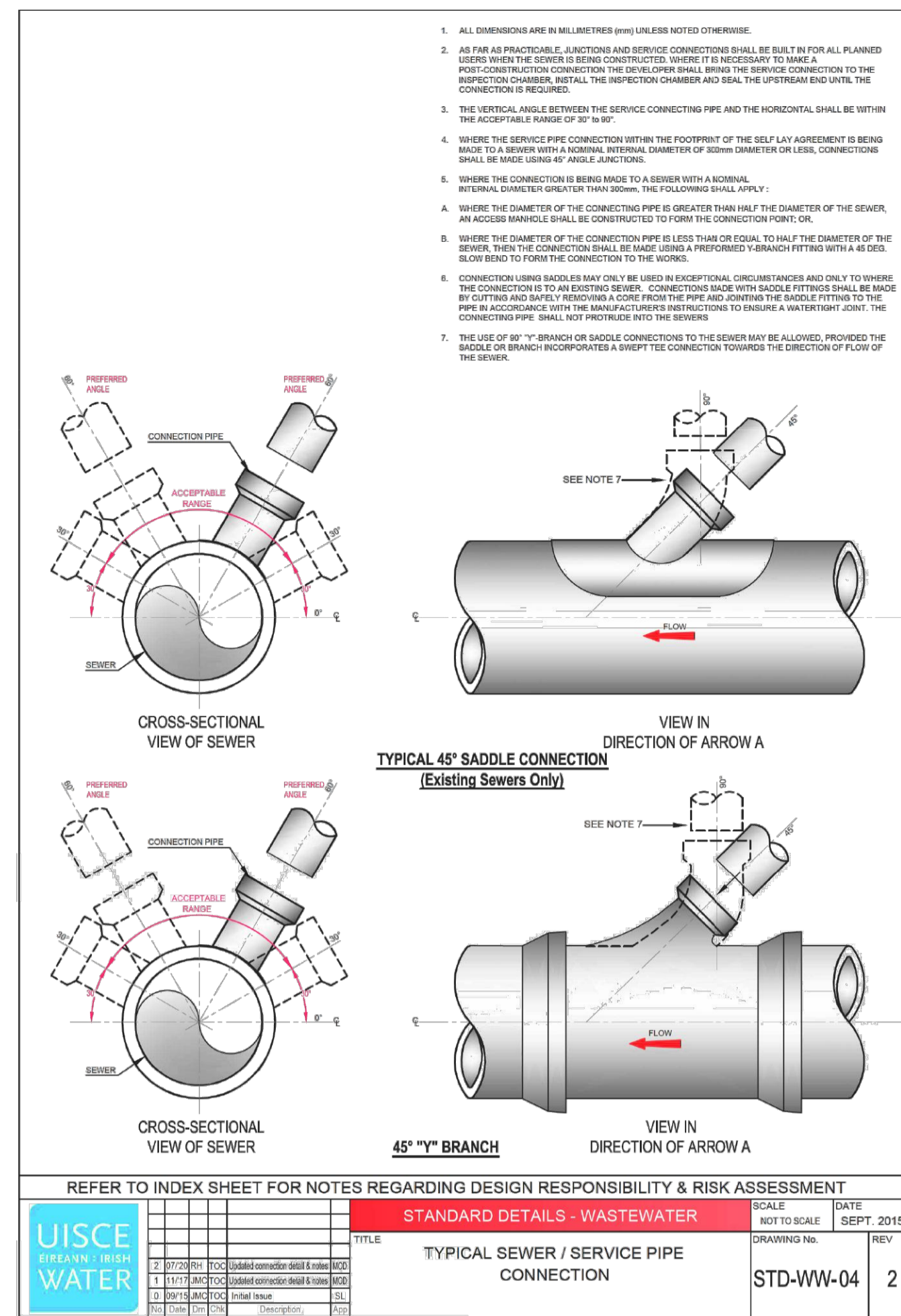
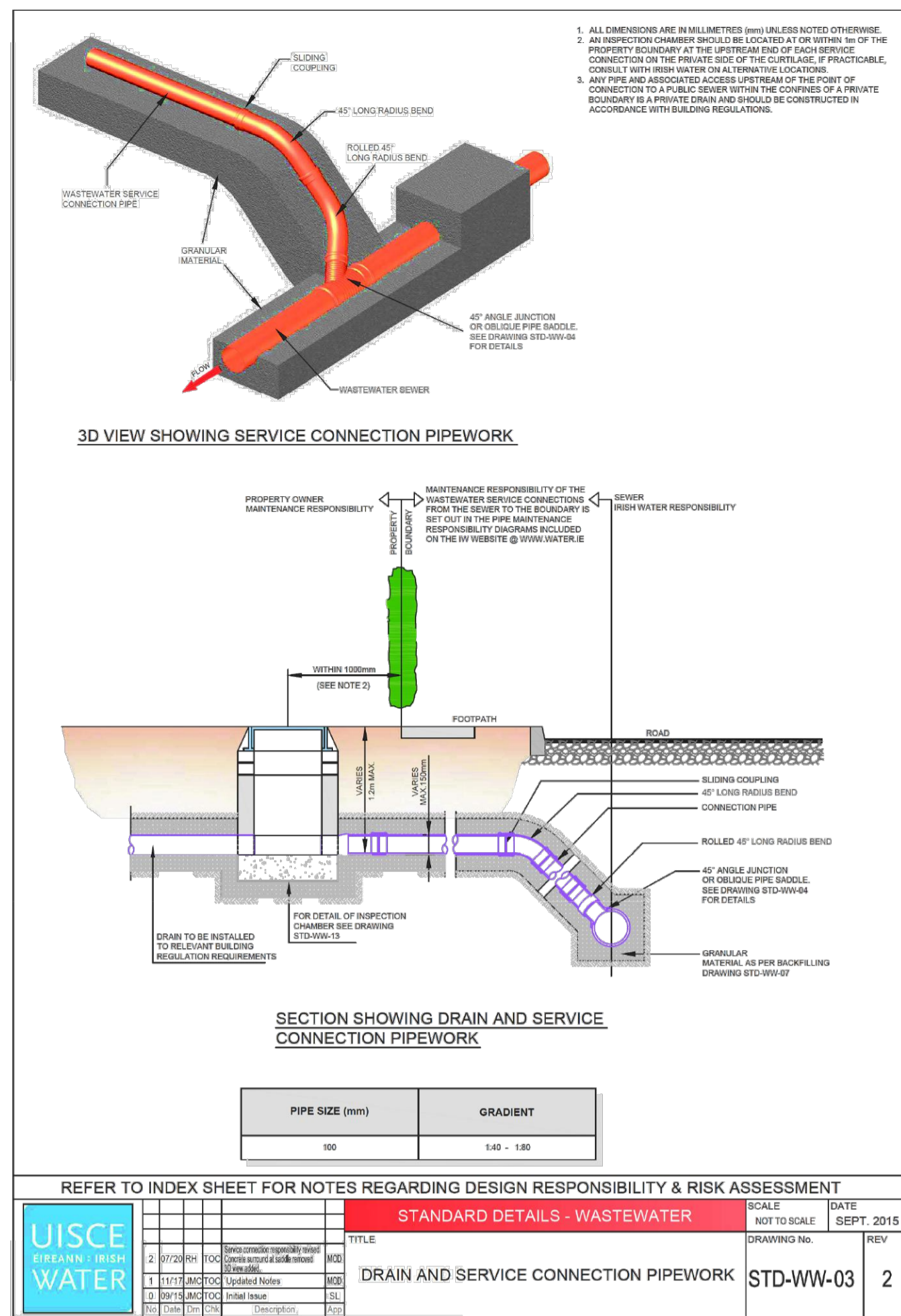
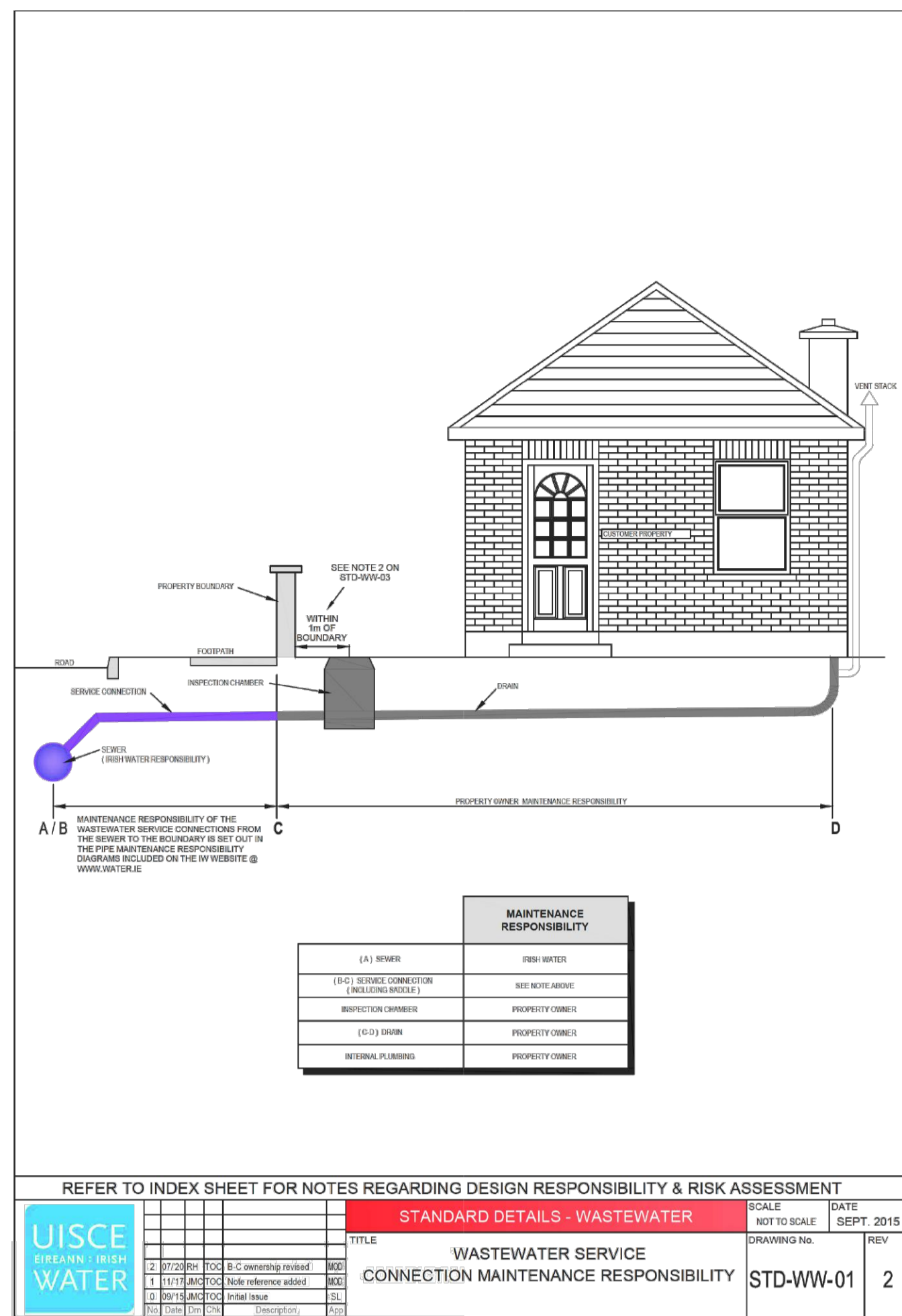


- NOTES - General Pre-Cast Manhole**
- All dimensions are in millimetres, unless noted otherwise.
 - Pre-Cast Manhole Units: Complying with requirements of IS EN 1917 and BS 5911-Part 3.
 - Thicker Manhole bases required for sewers in excess of 3m deep where the size is greater than the standard minimum size.
 - Approved Pre-Cast Concrete Bases may be used incorporating channels, benching etc. subject to Irish Water for review.
 - Manhole roofs should consist of reinforced concrete slab of in-situ concrete, C30/37, with a minimum thickness of 225mm designed to carry all live and dead loads. Alternatively, approved pre-cast concrete roof slabs may be used subject to Irish Water approval and compliance with BS 5911 Part 4:2002.
 - Covers and Frames shall be suitable for road and traffic conditions subject to approval from Cork County Council.
 - 200mm all around, 100mm deep concrete plinth with protective stainless steel metal band around covers in green areas.
 - All chambers to be checked for uplift by the developer based on ground conditions within the site. Should anti-floatation measures be required they shall be subject to approval from Irish Water.
 - All Concrete to be in Accordance with IS EN 206:2013.
 - Benching to be formed of Grade 20/40 concrete and finished with a rendering of 25mm of Class 'B' cement mortar.
 - Concrete surround to be provided to manhole rings where depth to invert exceeds 2.0m or as directed by the Engineer.
- NOTES - Backdrop Manhole**
- All dimensions are in millimetres, unless noted otherwise.
 - Rodding eye chamber shall be covered with approved heavy duty metal covers to IS 261 and BS 5834. Cover and frame shall be suitable for road and traffic conditions and is subject to the approval of Irish Water.
 - Manhole details to be in accordance with STD-WW-10 & 12 as set out in 'Irish Water Connection and Developer Service (Wastewater Infrastructure Standard Details)'

Drawn by	IR	Scale	As shown
Checked by		Scale	
Approved by		Scale	
Project	Proposed Residential Development, Millstreet, Co. Cork		
File No.	Surface Water Drainage Typical Details		
Rev	Description	Date	By
01	Issued for planning	15/02/24	IR
02			
03			
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			

walsh design group
Consulting Engineers
The Mill, Manorbennet Woods, Douglas, Cork
Tel: 021-4774940 email: info@walshdesigngroup.com

File No. 23029-XX-XX-XX-DR-WDG-CE-500
Date: Feb 2024
Drawn by: IR
Scale: As shown
Purpose: P3 - Planning



Standard Irish Water Detail References:

- STD-WW-01 Water service connection responsibility
- STD-WW-03 Drain & Service connection pipework
- STD-WW-04 Typical Sewer / Service pipe connection
- STD-WW-05 Typical Service layout indicating separation distances
- STD-WW-07 Trench Backfill & Bedding
- STD-WW-08 Concrete bed, Haunch & surround to wastewater pipes
- STD-WW-10 Pre-cast concrete manhole with cast in-situ base

Refer to dwg no. 23029-XX-XX-XX-DR-WDG-CE-002 for plan layout

Rev	Description	Date	By	Chk
0				
1				

walsh design group

Consulting Engineers

The Mall, Monkstown Woods, Dublin, Co. Cork

Tel: 021-4774940 email: info@walsh.ie

File: Irish Water Standard Details Wastewater

Project: Proposed Residential Development, Millstreet, Co. Cork

Dwg No: 23029-XX-XX-XX-DR-WDG-CE-501

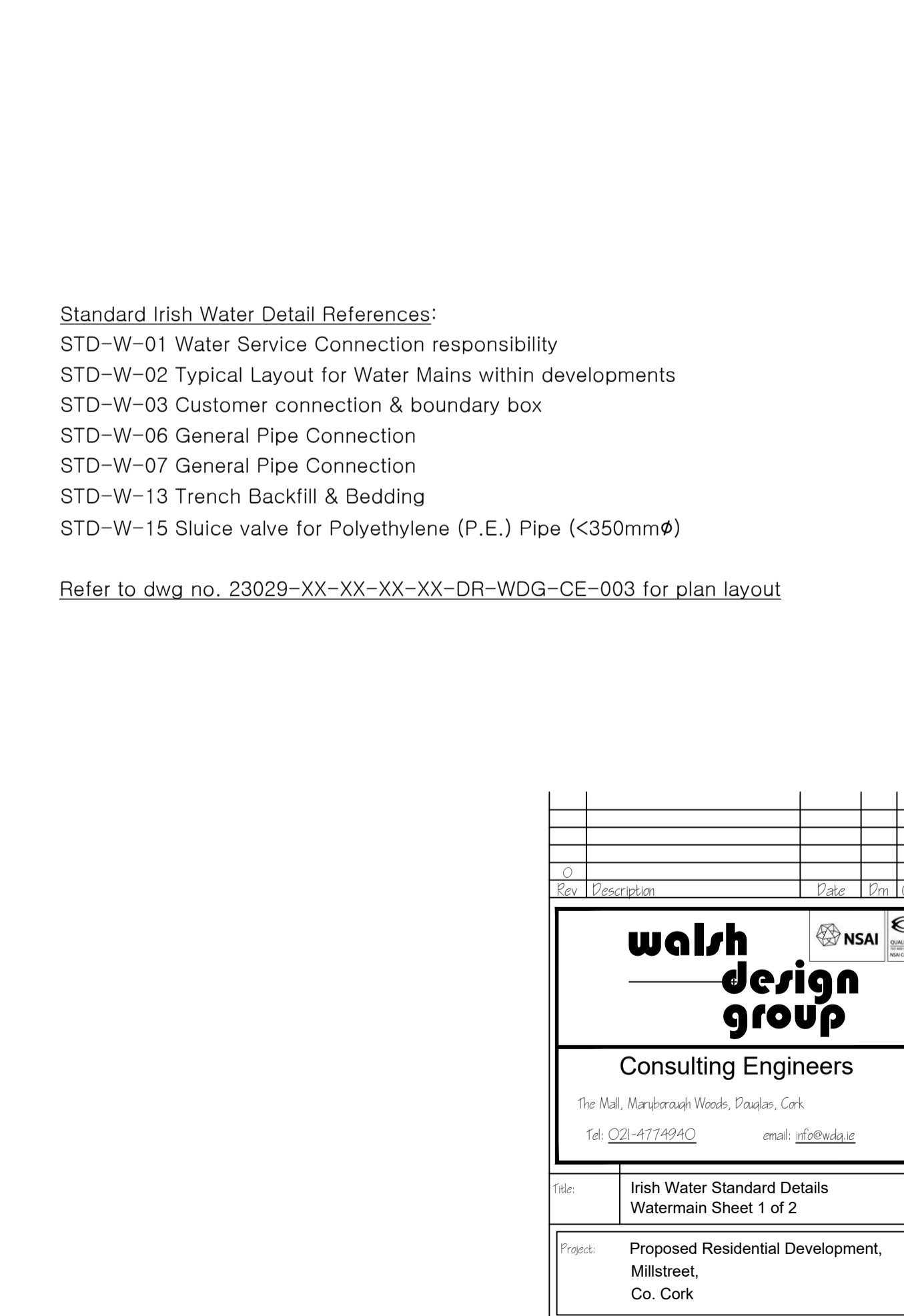
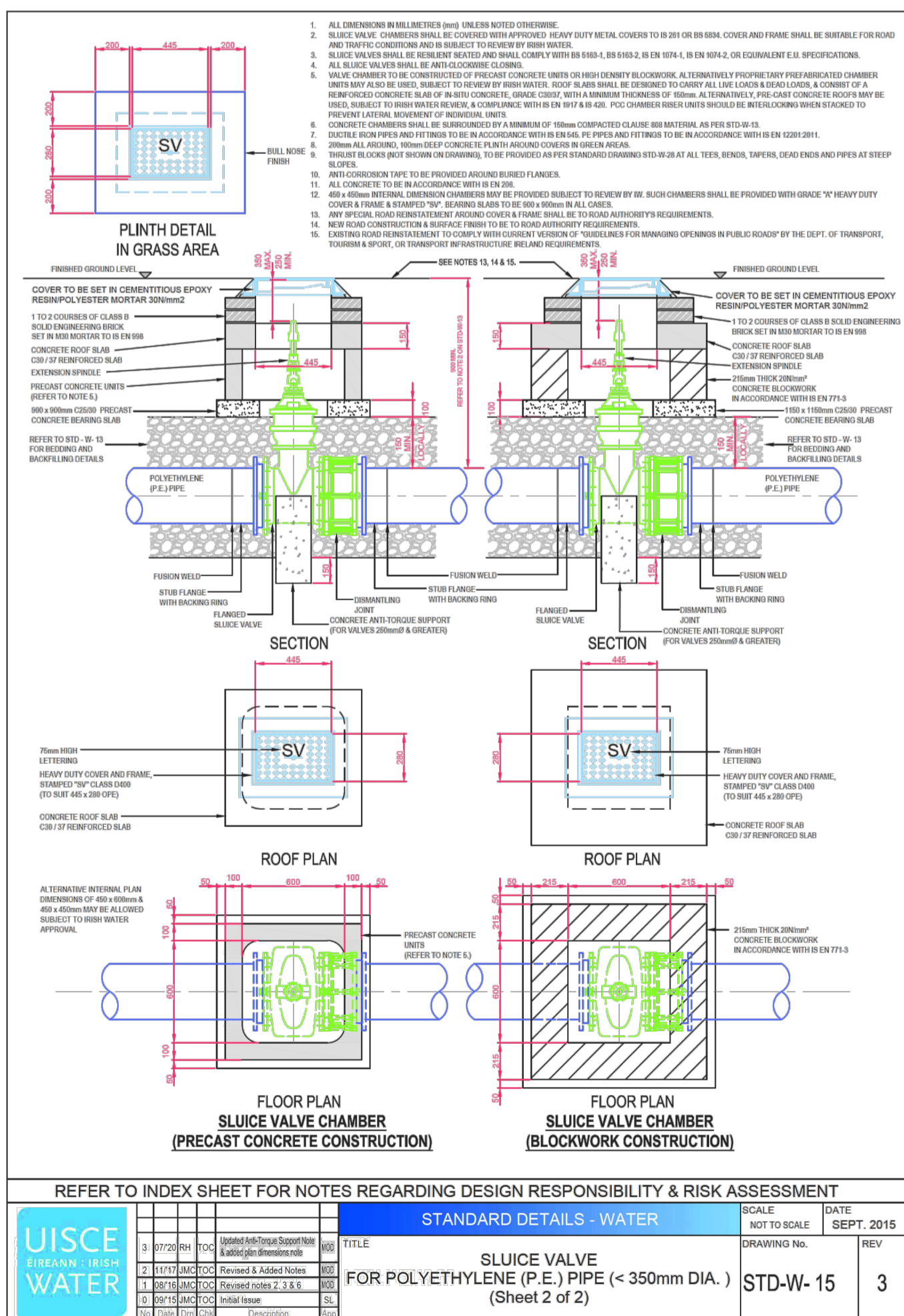
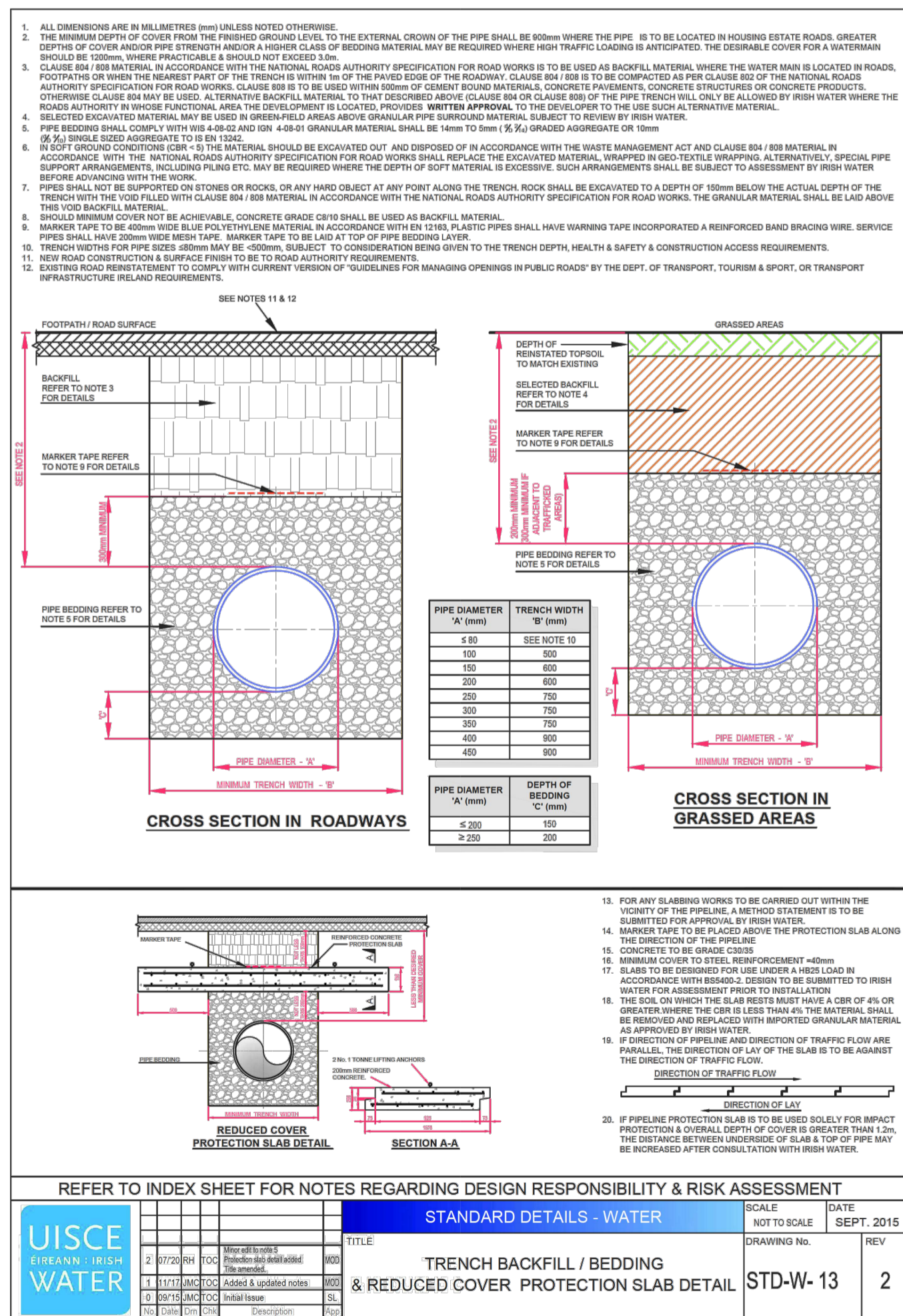
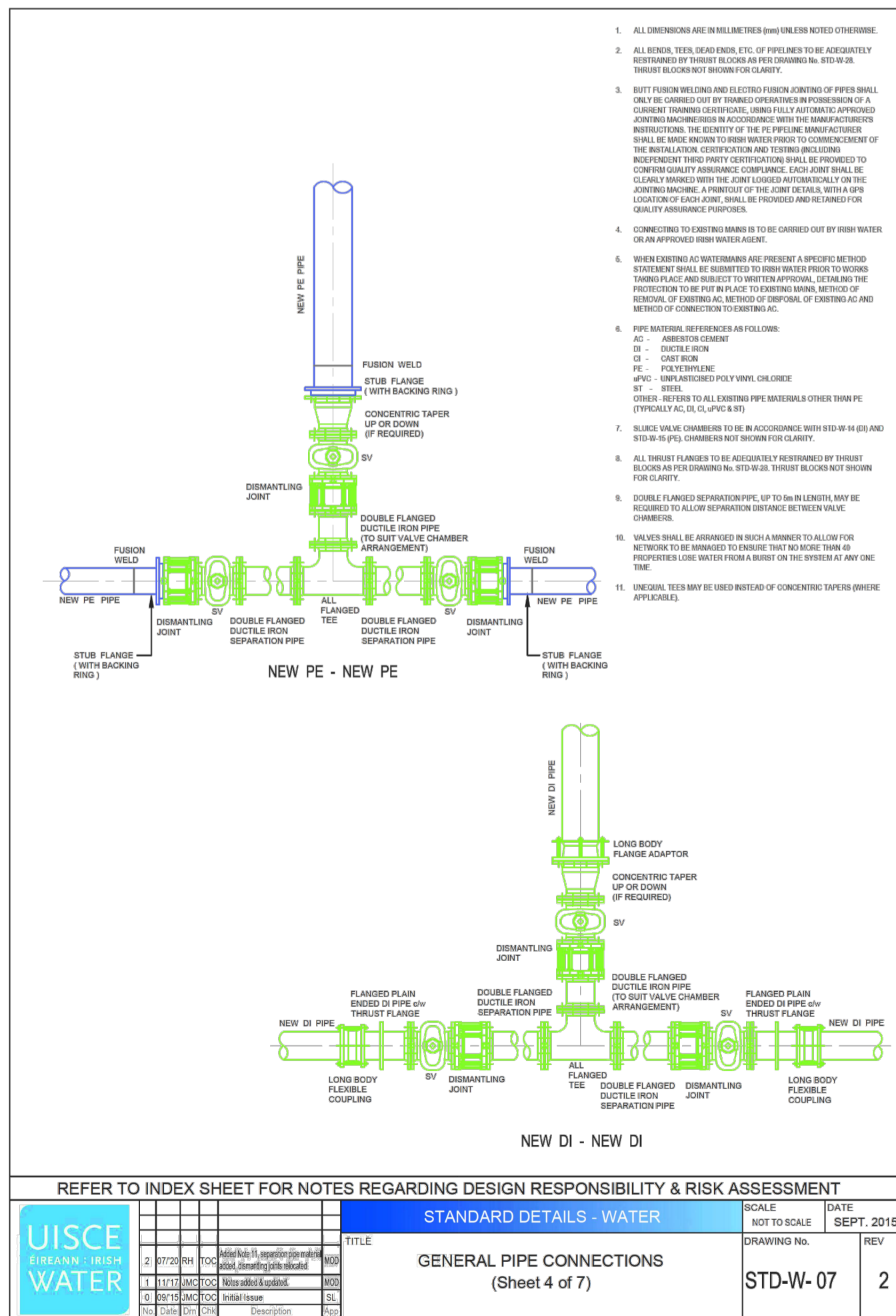
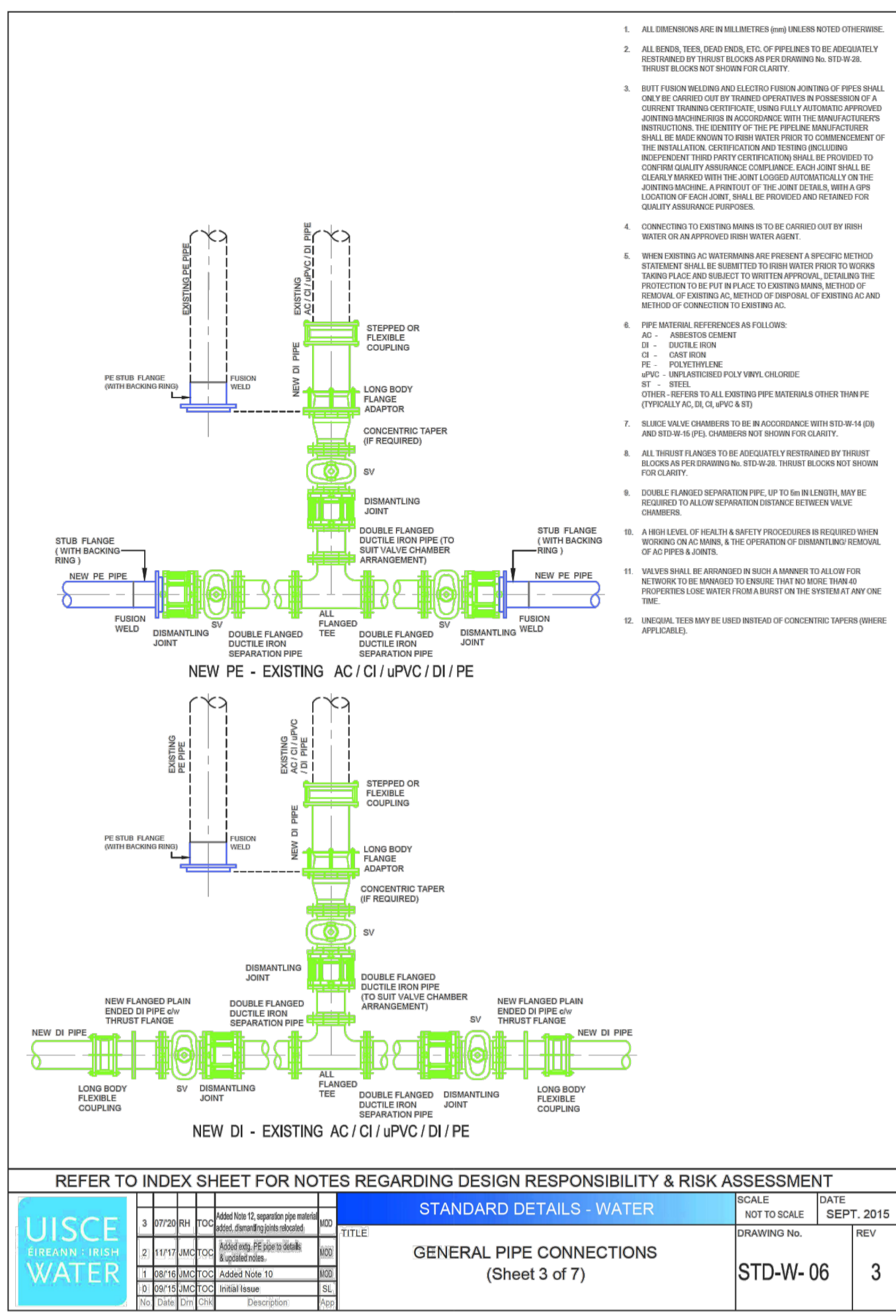
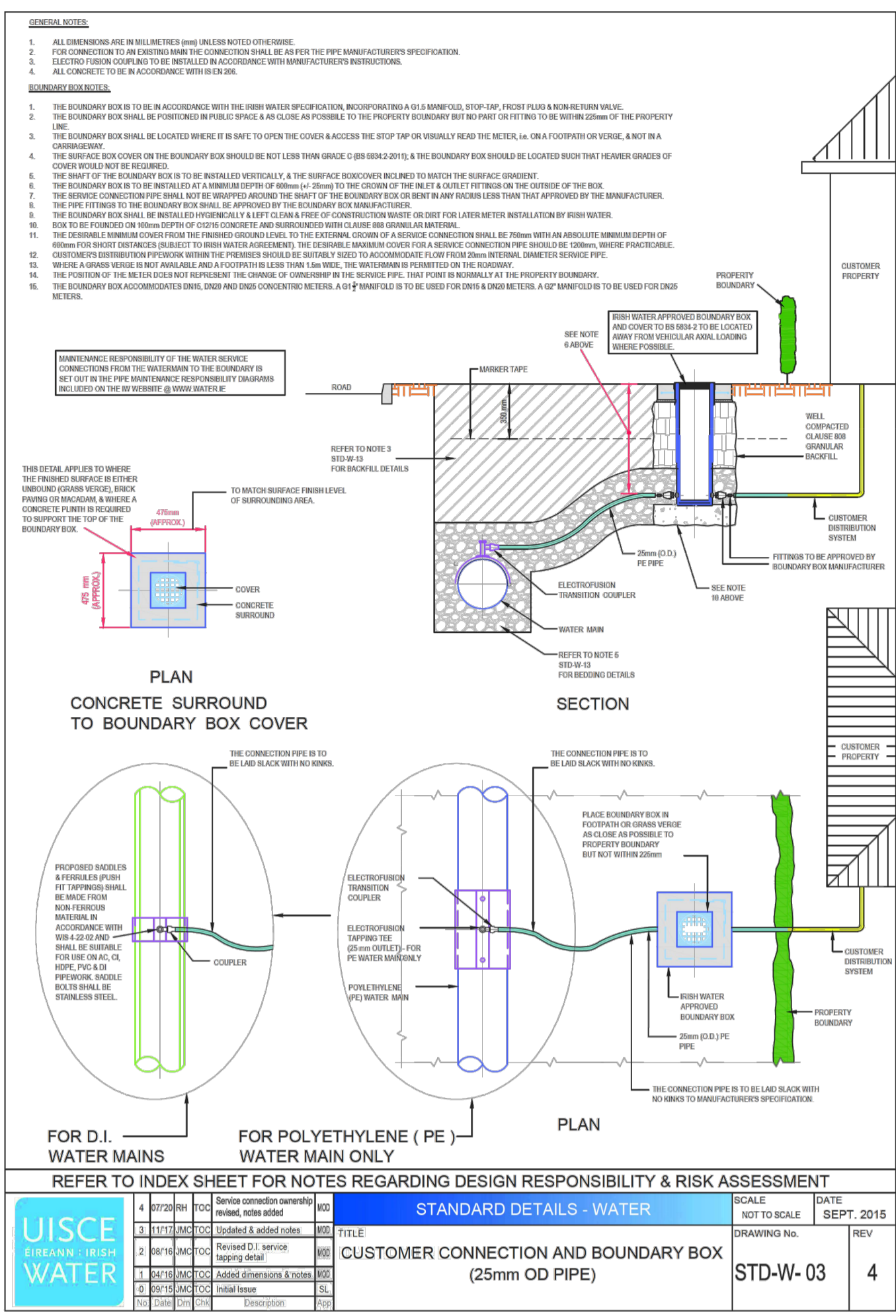
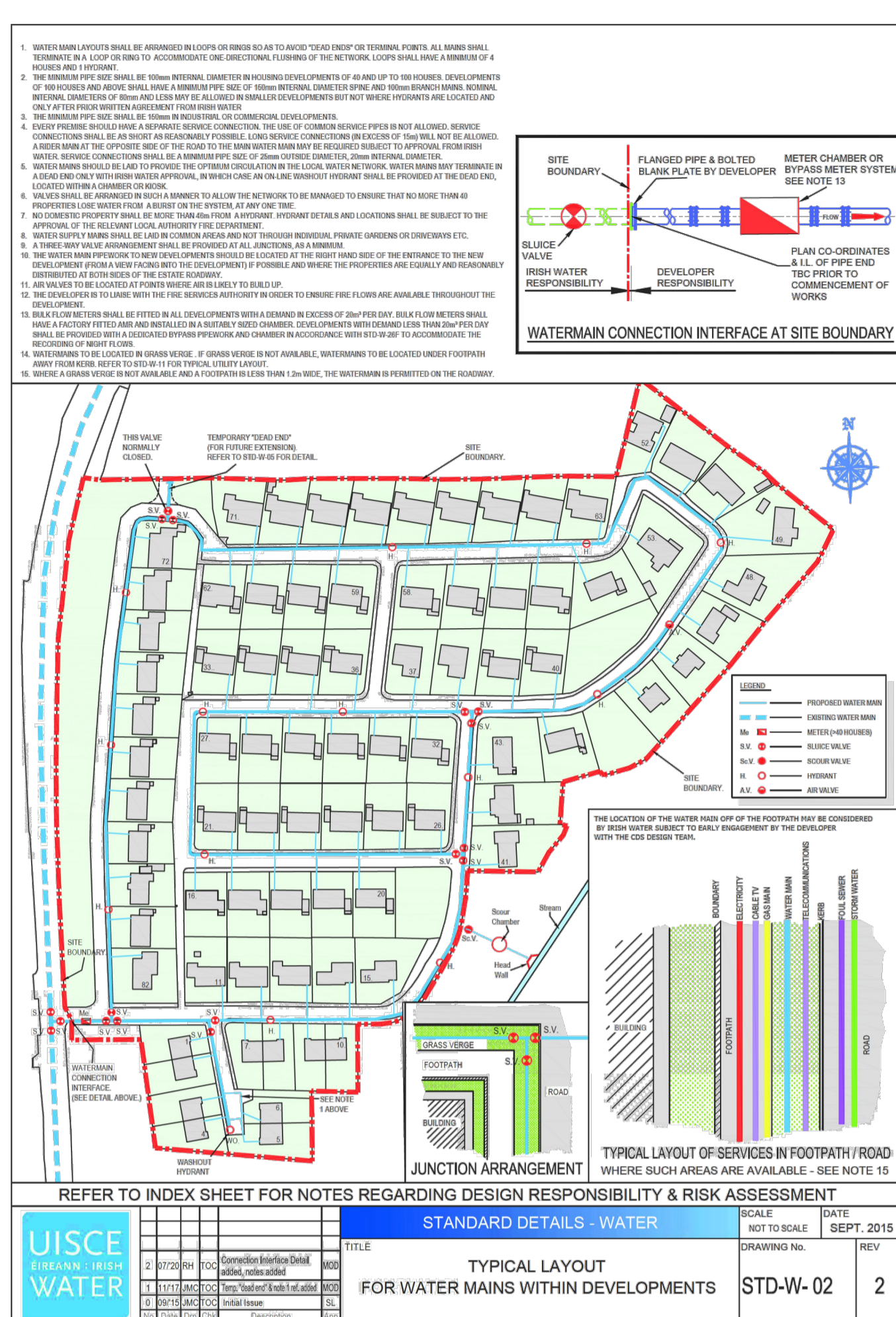
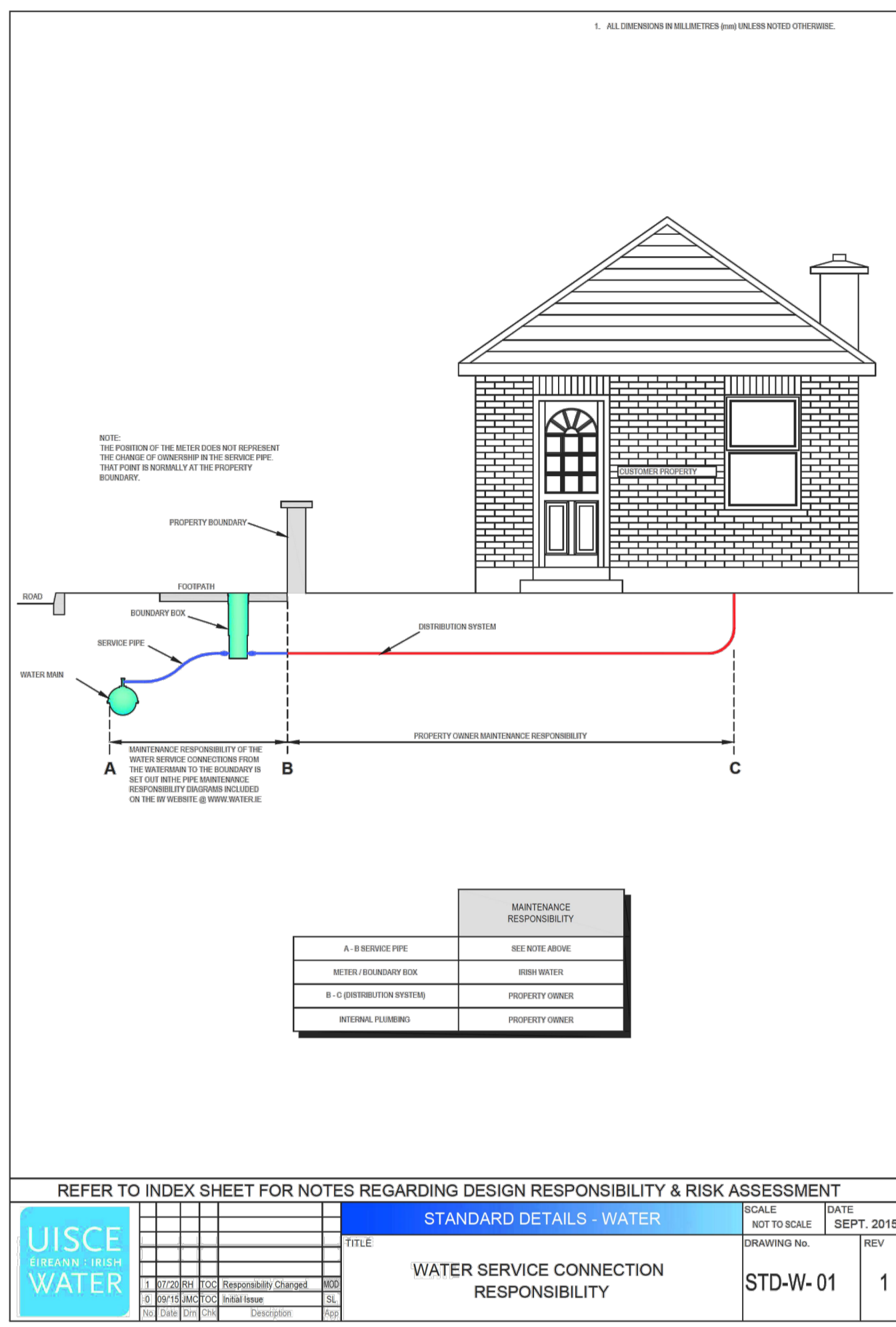
Date: Feb 2024

Drawn by: JR

Scale: As shown

Purpose: P3 - Planning

0



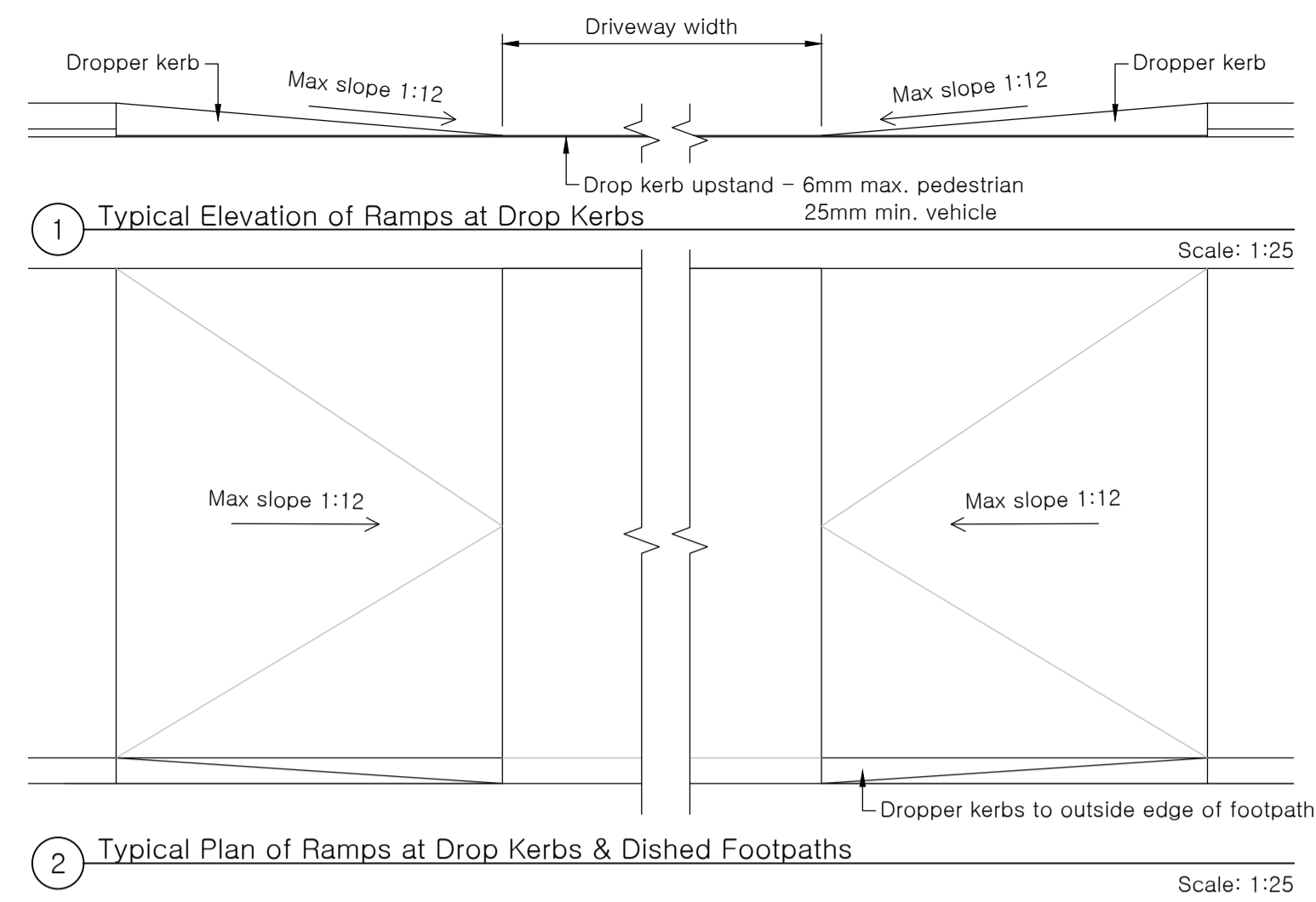
walsh design group
Consulting Engineers

The Mall, Maribouagh Woods, Daxton, Co. Cork

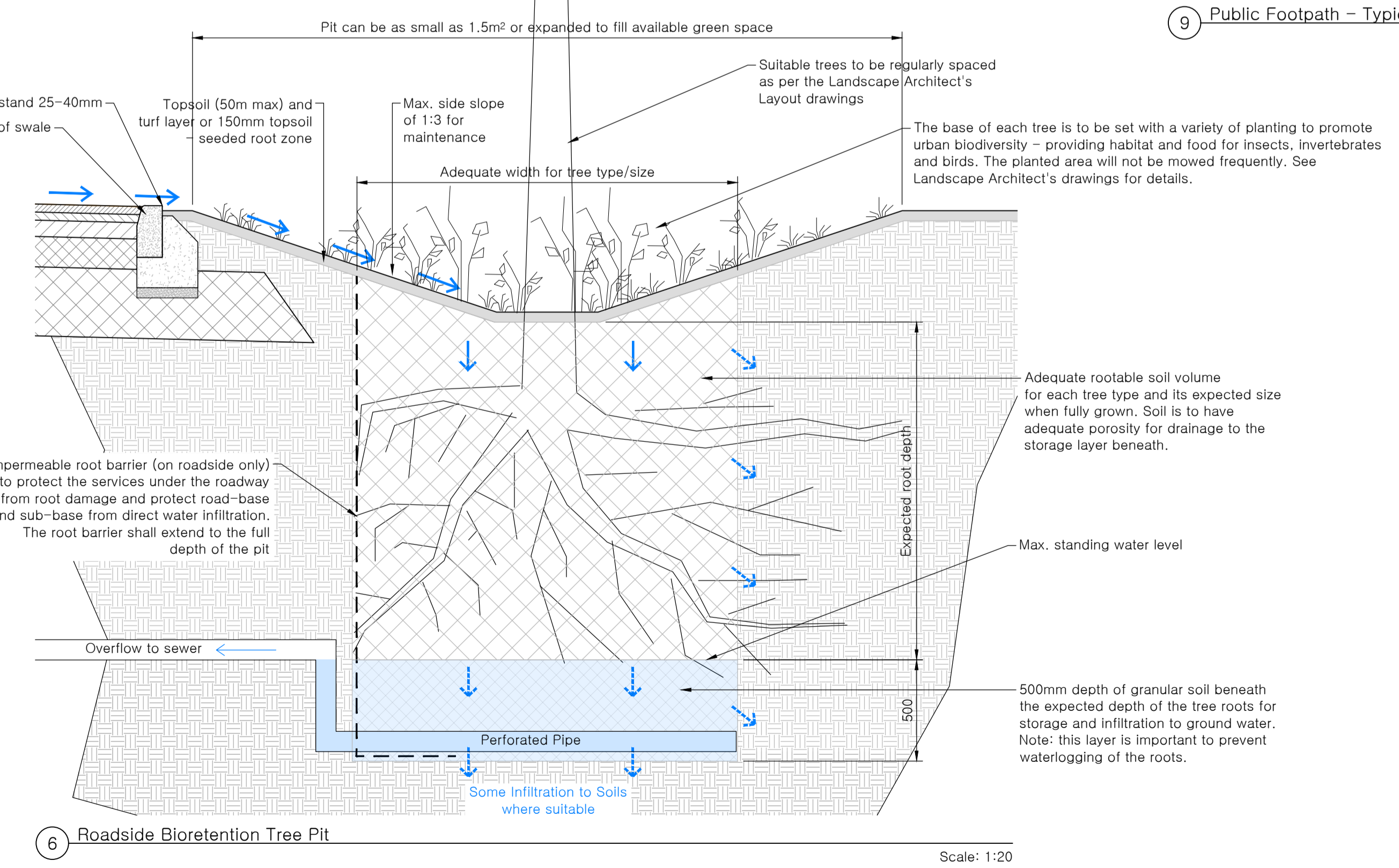
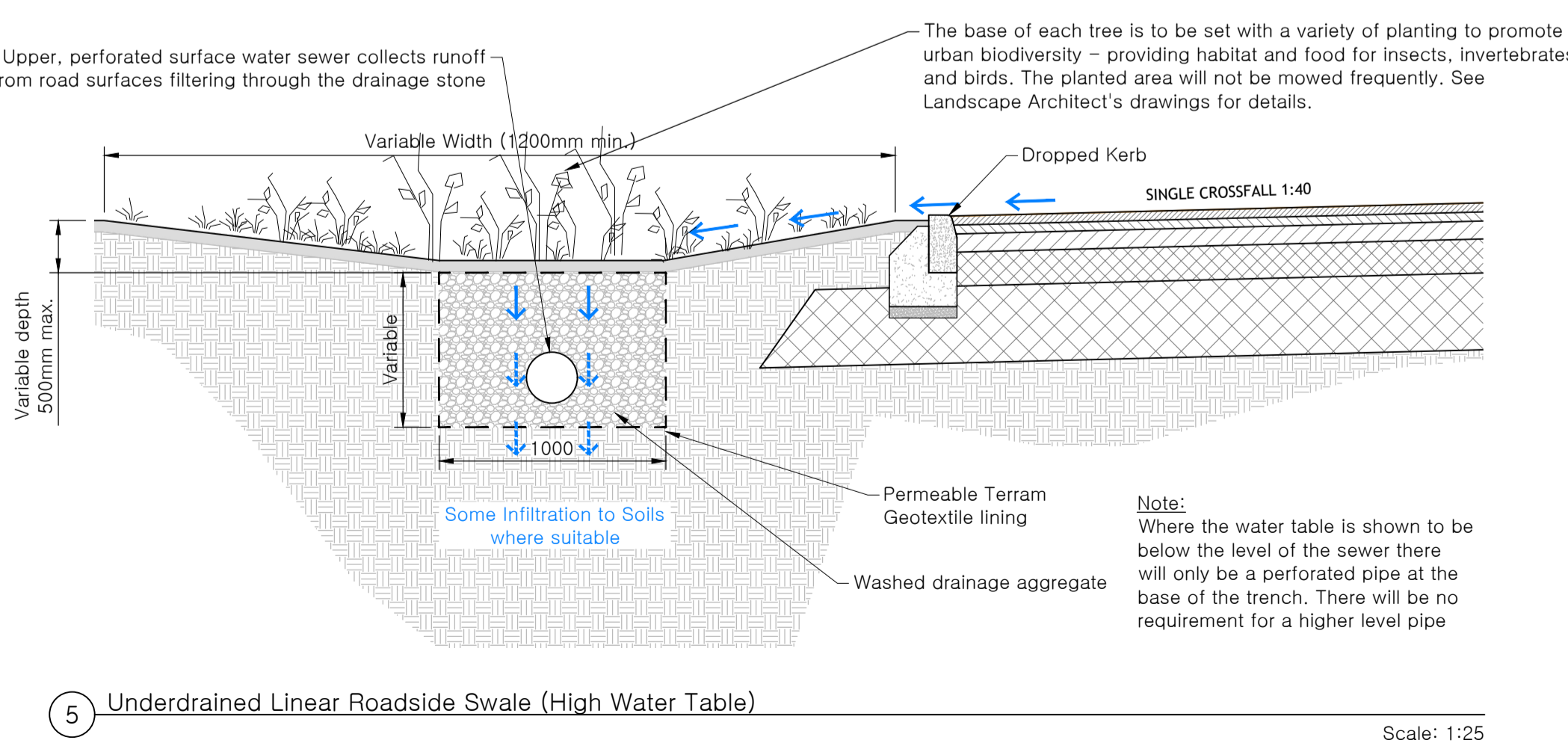
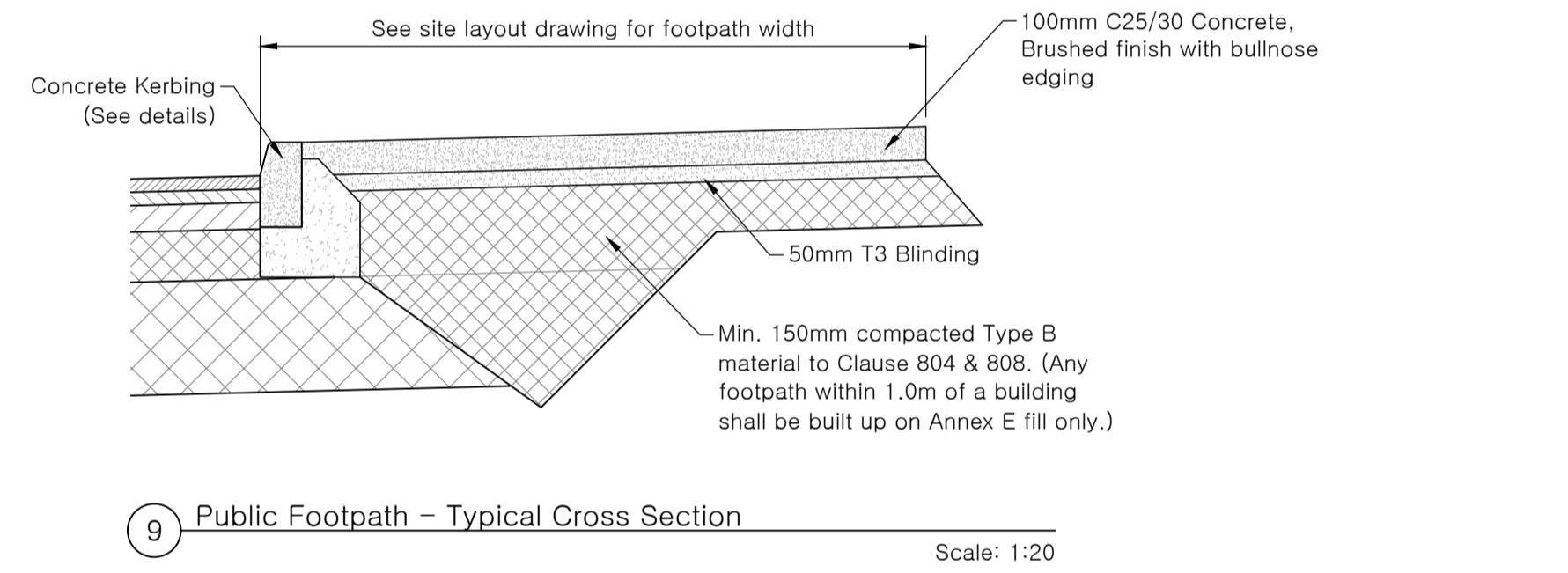
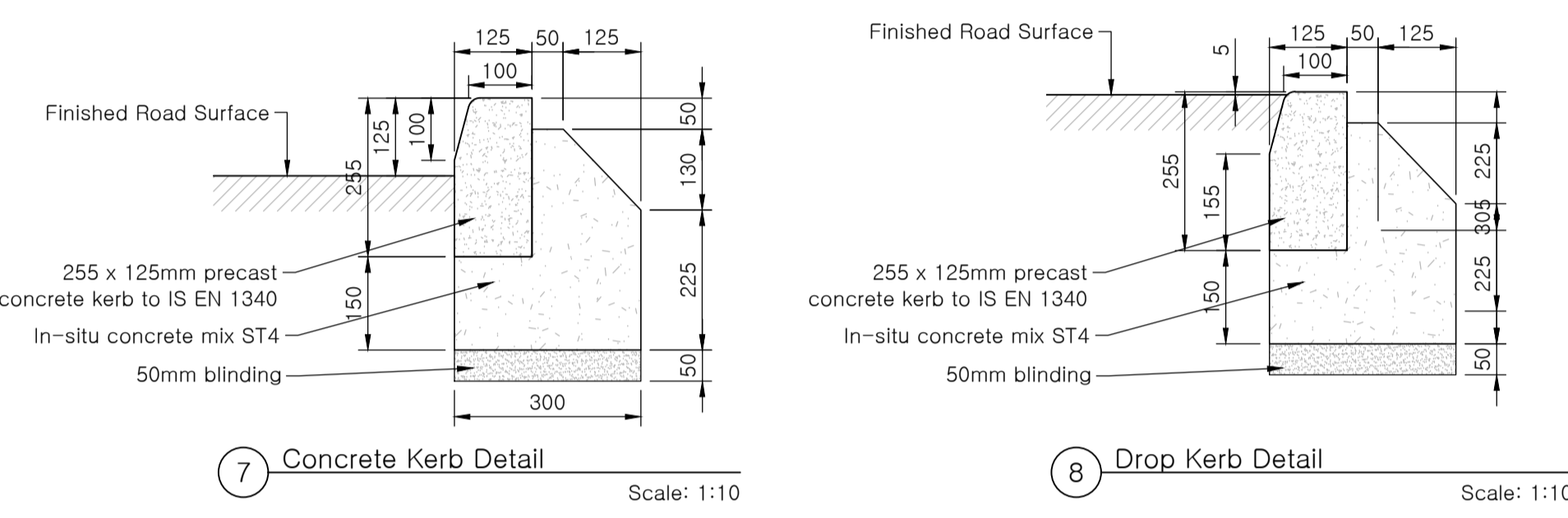
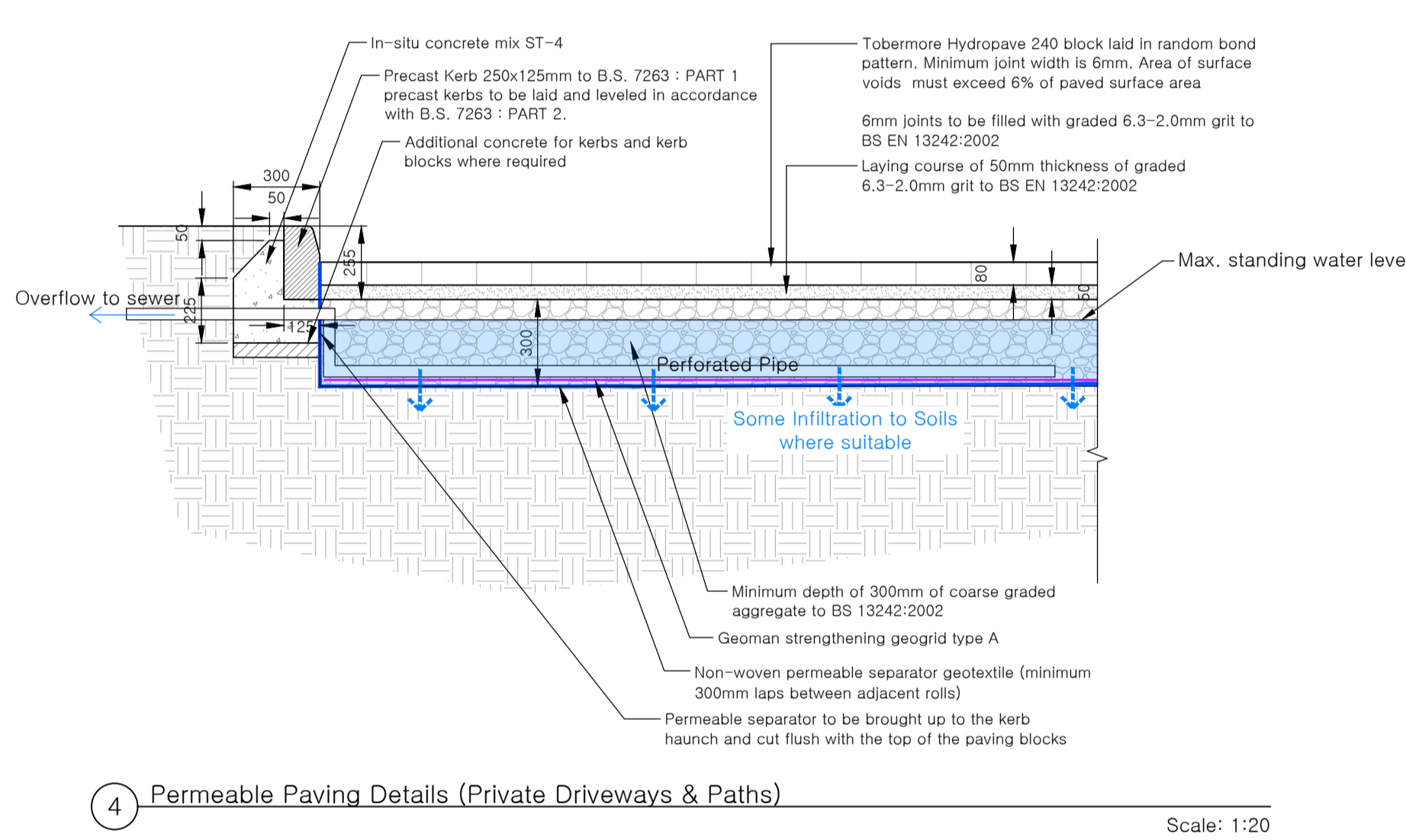
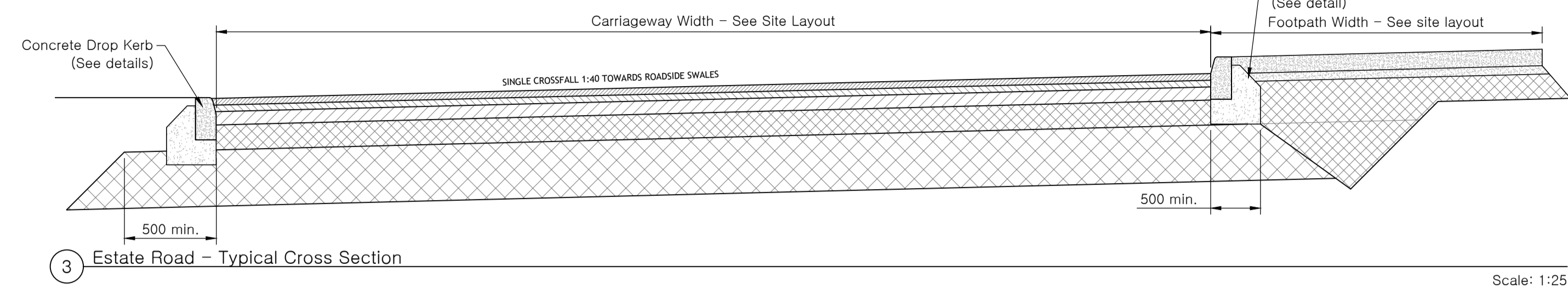
Tel: 02-4774940
email: info@walshdg.com

Title:	Irish Water Standard Details Watermain Sheet 1 of 2
Project:	Proposed Residential Development, Millstreet, Co. Cork
Drawn by:	IR
Scale:	As shown
Flapper:	P3 - Planning

0



Standard Estate Road Construction
 40mm BITUMINOUS SURFACING ON TACK COAT ON
 40mm BITUMINOUS BASE (BINDER) COURSE ON
 80mm DENSE BITUMEN MACADAM ROADBASE ON
 150mm TYPE B MATERIAL TO CLAUSE 804 & CLAUSE 808 (TII PUBLICATIONS, PUBLICATION NUMBER CC-SPW-00800, MARCH 2013) UNBOUND SUB-BASE ON
 300-800mm CLASS 6F2 MATERIAL CAPPING LAYER ON
 CLASS 6C STARTER LAYER MATERIAL (WHERE REQUIRED TO RAISE LEVELS) GRADED IN ACCORDANCE WITH TABLE 6/2 AND COMPACTED IN ACCORDANCE WITH TABLE 6/4 OF THE TII SPECIFICATION FOR ROADWORKS CC-SPW-00600.
 (The depth of the Capping layer depends on CBR tests carried out on the Subgrade at 50m ctrs. by the contractor - please inform the Engineer of CBR results as soon as they are available)



Q	Issued for planning	15/02/24	IR	MM
Rev	Description	Date	Dim	Clk

walsh design group
 Consulting Engineers
 The Mill, Manbrough Woods, Douglas, Cork
 Tel: 021-4774940 email: info@wdsdg.ie

Title: Construction Details

Project: Residential Development
 Millstreet,
 Co. Cork

ID No: 23029-XX-XX-XX-DR-WDG-CE-504
 Date: January 2024
 Drawn by: IR
 Scale: As Shown
 Purpose: P3 - Planning

0

© COPYRIGHT WALSH DESIGN GROUP, DOUGLAS, CO. CORK
 THIS DRAWING CANNOT BE REPRODUCED WITHOUT WRITTEN PERMISSION



Walsh Design Group

Consulting Engineers

The Mall, Maryborough Woods, Douglas, Cork, T12 K8YT

Email: reception@wdg.ie Tel: 021 4774940

Document Register

Project: **Cork County Council - Housing Development at Millstreet**

WDG Job No.: 23029
Project ID: 23029

		Date of Issue															
		Day	1	17	9	15											
		Month	11	1	2	2											
		Year	23	24	24	24											
Document ID	Title	%	0	1	2	3											
Site Layout Drawings																	
23029-XX-XX-XX-DR-WDG-CE-001	Site Layout - Roads and Levels	0	0	0	0												
23029-XX-XX-XX-DR-WDG-CE-002	Site Layout - Drainage	0	0	0	0												
23029-XX-XX-XX-DR-WDG-CE-003	Site Layout - Watermains Layout		0	0	0												
23029-XX-XX-XX-DR-WDG-CE-004	Site Layout - Proposed SUDS Features		0	0	0												
Standard Details																	
23029-XX-XX-XX-DR-WDG-CE-500	Surface Water Drainage - Typical Details					0											
23029-XX-XX-XX-DR-WDG-CE-501	Irish Water Standard Details - Wastewater					0											
23029-XX-XX-XX-DR-WDG-CE-502	Irish Water Standard Details - Watermain 1 of 2					0											
23029-XX-XX-XX-DR-WDG-CE-503	Irish Water Standard Details - Watermain 2 of 2					0											
23029-XX-XX-XX-DR-WDG-CE-504	Construction Details					0											
Documents																	
23029-XX-XX-XX-RP-WDG-CE-001	Civil Engineering Report					0											
23029-XX-XX-XX-RP-WDG-CE-001	Construction and Environmental Management plan					0											
Distribution		"N" of Hard Copies		E = Email Issue		C = Common Data Environment											
Client		C	C	C													
Architect		C	C	C													
Project Managers																	
Civil / Structural Consultant																	
Consulting Engineers		E															
Main Contractor																	
Landscape Architect		C	C	C													
M&E Consultant		C	C	C													
Ecologist		C	C	C													
Local Authority																	
Quantity Surveyor		C	C	C													
Purpose of Issue																	
P1 - Information		X	X	X	X												
P2 - Coordination																	
P3 - Planning Permission																	
P4 - Fire Safety Cert Application																	
P5 - Disability Access Cert Application																	
P6 - Building Control Compliance																	
P7 - Pre-Tender																	
P8 - Tender																	
P9 - Contract / Construction																	
P10 - Handover																	
P11 - Other																	
Issued by:																	
			BW	MF	JP	JP											