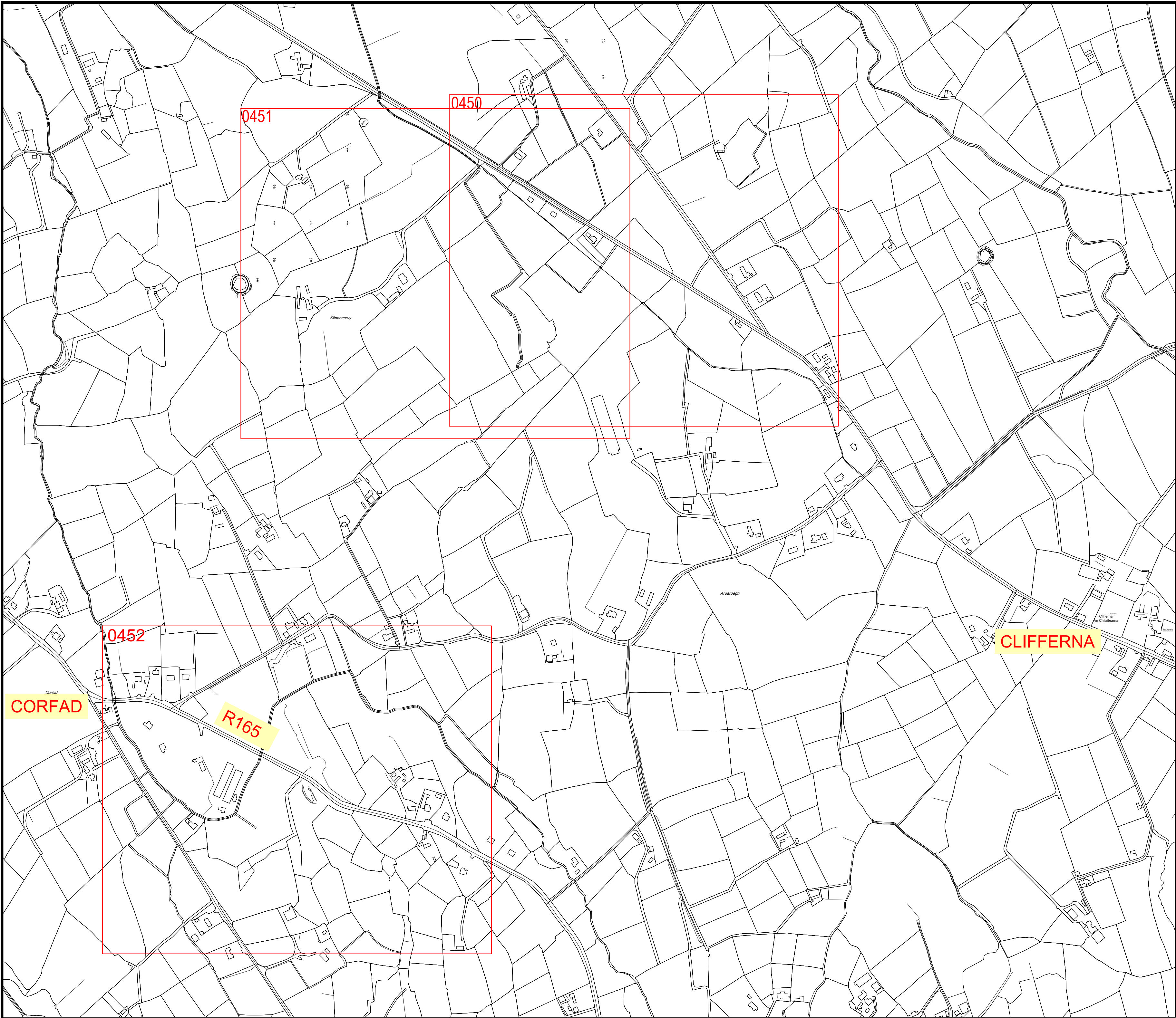
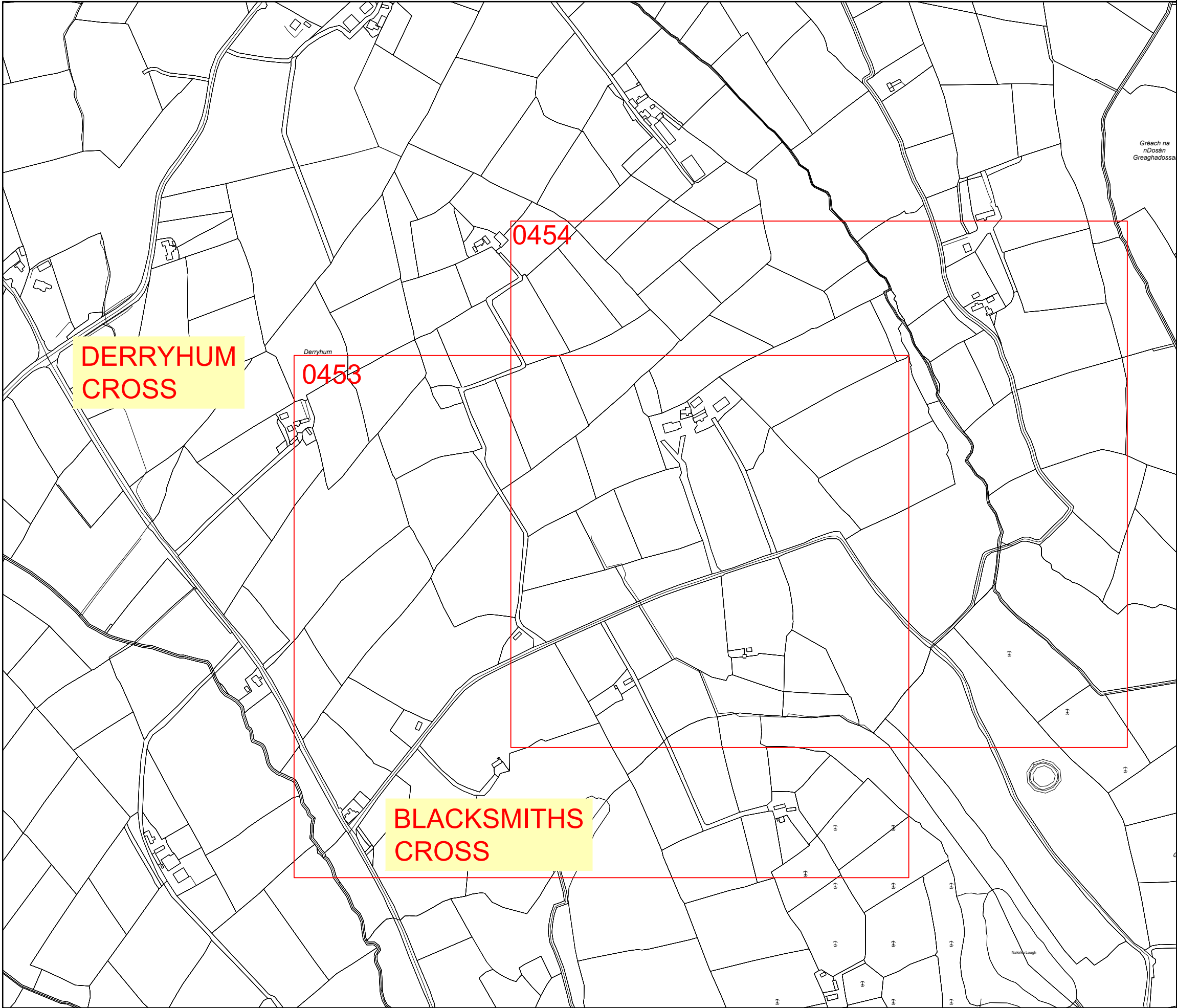


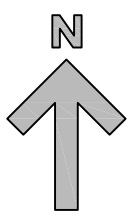
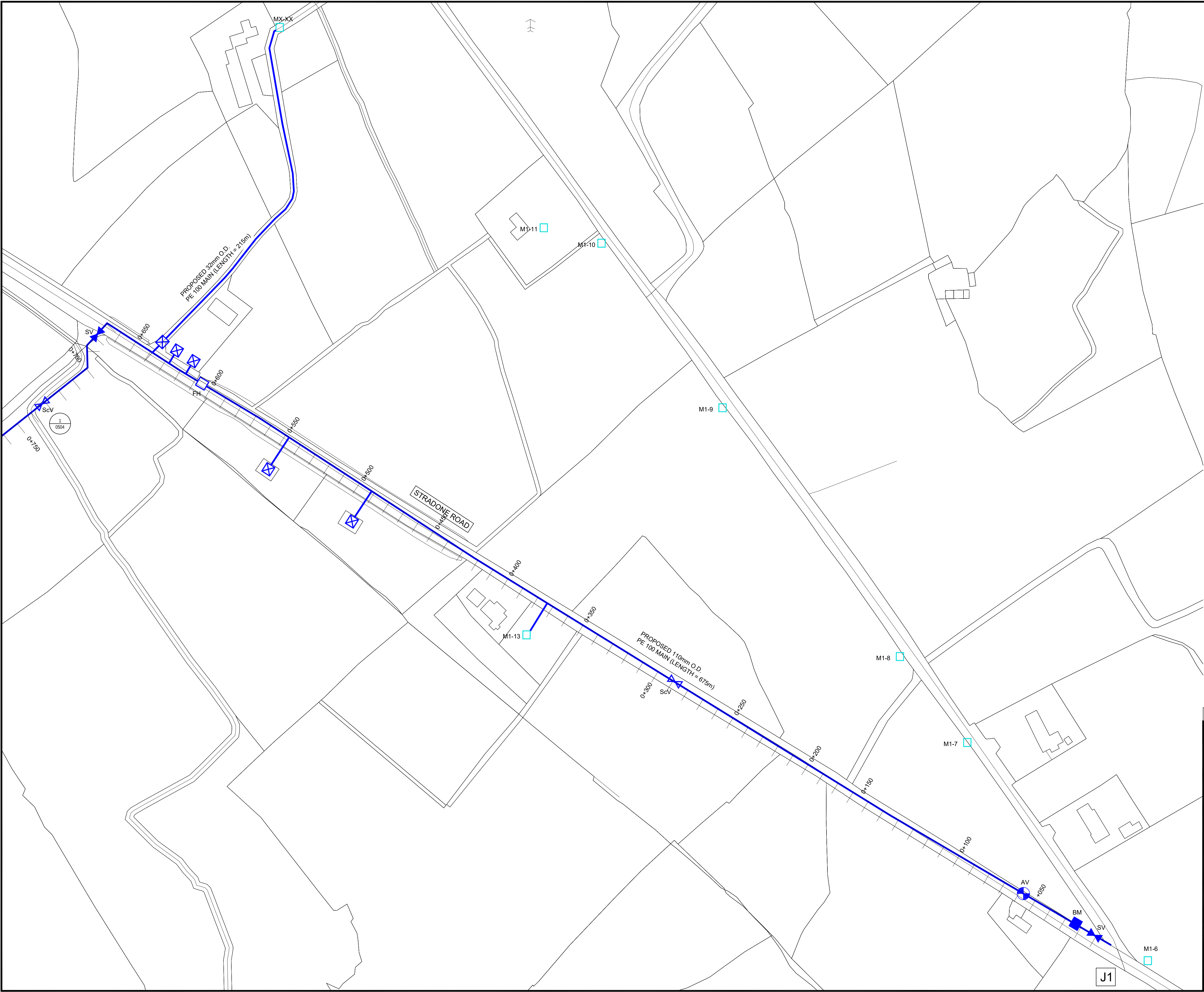


KEY PLAN - STRADONE ROAD AND CAVAN / BALLIEBOROUGH ROAD
SCALE: 1:5000



KEY PLAN - DERRYHUM
SCALE: 1:5000

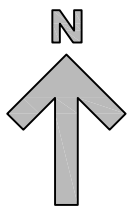
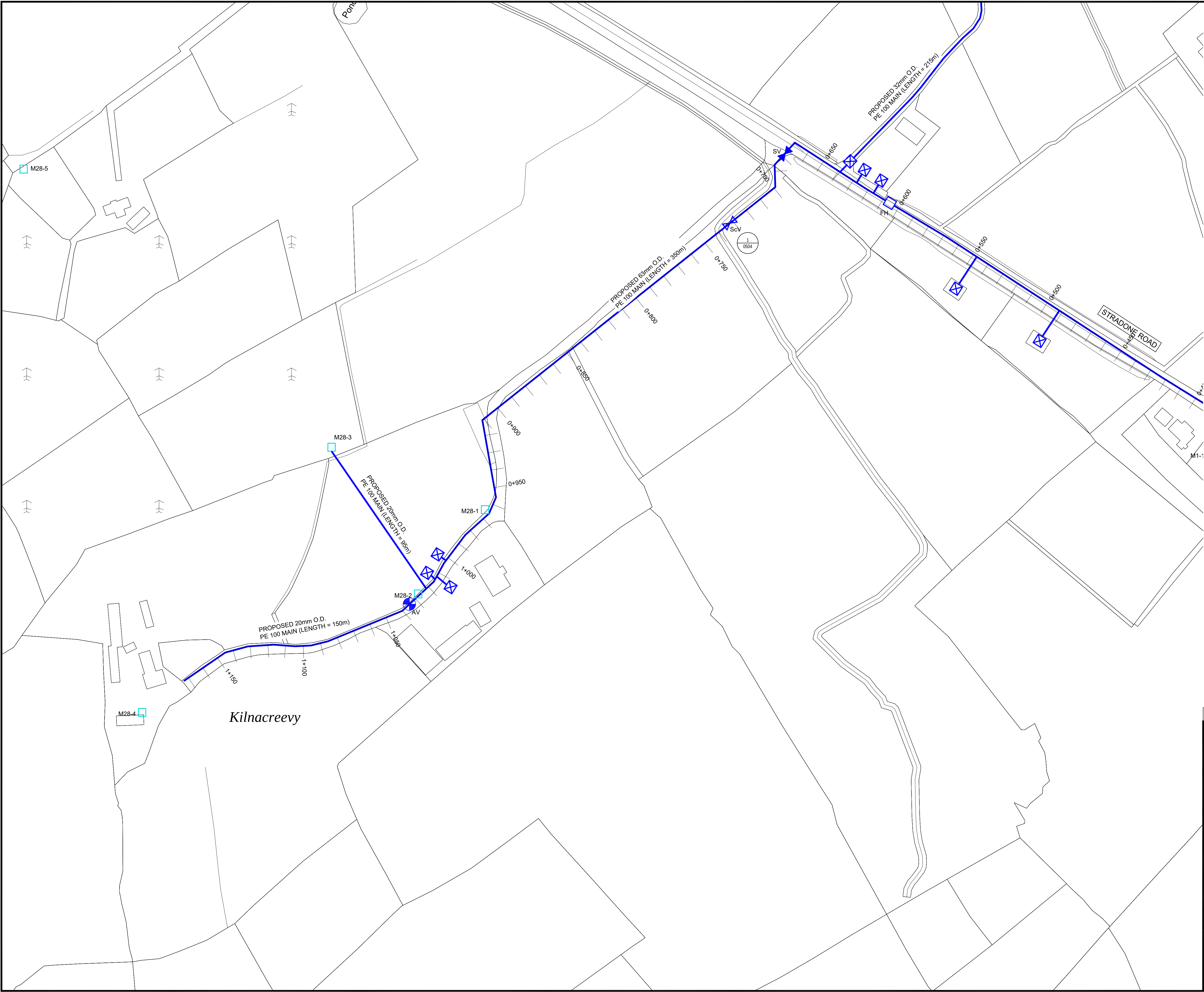
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REV	SUIT	DESCRIPTION		DATE
DRAWING STATUS: ISSUED FOR TENDER				
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PROJECT:		CLIFFERNA GWS NETWORK UPGRADE		
CLIENT:		CLIFFERNA GWS		
DRAWING TITLE:		KEY PLAN PROPOSED WATERMAIN LAYOUT		
SCALE:		1:5000		(A1)
PROJECT - ORIGINATOR - VOLUME - LOCATION - TYPE - ROLE - NUMBER 26011-TJOC-XX-XX-DR-C-0130				REV: C01



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 - FOR VALVE CHAMBER DETAILS REFER TO DRAWING 0501
 - FOR TRENCH REINSTATEMENT DETAILS REFER TO DRAWING 0502.
 - FOR MISCELLANEOUS DETAILS REFER TO DRAWING 0503.

LEGEND	
PROPOSED WATERMAIN	
SCOUR VALVE	ScV
SLUICE VALVE	SV
AIR VALVE	AV
FIRE HYDRANT	FH
BULK METER	BM
EXISTING HOUSE METER	M1-13
NEW HOUSE METER	M101
JUNCTION NUMBER	J1

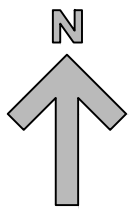
C01	AT	ISSUED FOR TENDER	26.09.2026
REV	SUIT	DESCRIPTION	DATE
DRAWING STATUS: ISSUED FOR TENDER			
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PROJECT: CLIFFERNA GROUP WATER SCHEME NETWORK UPGRADE			
CLIENT: CLIFFERNA GROUP WATER SCHEME			
DRAWING TITLE: STRADONE ROAD GWS PROPOSED WATERMAIN LAYOUT			
SCALE: 1:1000			(A1)
PROJECT - ORIGINATOR - VOLUME - LOCATION - TYPE - ROLE - NUMBER 26011-TJOC-XX-XX-DR-C-0450			REV: C01



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 - FOR VALVE CHAMBER DETAILS REFER TO DRAWING 0501
 - FOR TRENCH REINSTATEMENT DETAILS REFER TO DRAWING 0502.
 - FOR MISCELLANEOUS DETAILS REFER TO DRAWING 0503.

LEGEND	
PROPOSED WATERMAIN	
SCOUR VALVE	ScV
SLUICE VALVE	SV
AIR VALVE	AV
FIRE HYDRANT	FH
BULK METER	BM
EXISTING HOUSE METER	M1-13
NEW HOUSE METER	M101
JUNCTION NUMBER	J1

C01	AT	ISSUED FOR TENDER	26.09.2026
REV	SUIT	DESCRIPTION	DATE
DRAWING STATUS: ISSUED FOR TENDER			
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PROJECT: CLIFFERNA GROUP WATER SCHEME NETWORK UPGRADE			
CLIENT: CLIFFERNA GROUP WATER SCHEME			
DRAWING TITLE: STRADONE ROAD GWS PROPOSED WATERMAIN LAYOUT			
SCALE: 1:1000			(A1)
PROJECT - ORIGINATOR - VOLUME - LOCATION - TYPE - ROLE - NUMBER 26011-TJOC-XX-XX-DR-C-0451			REV: C01



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 - FOR TRENCH REINSTATEMENT DETAILS REFER TO DRAWING 0502.
 - FOR MISCELLANEOUS DETAILS REFER TO DRAWING 0503.

LEGEND

PROPOSED WATERMAIN	
SCOUR VALVE	ScV
SLUICE VALVE	SV
AIR VALVE	AV
FIRE HYDRANT	FH
BULK METER	BM
EXISTING HOUSE METER	M1-13
NEW HOUSE METER	M101
JUNCTION NUMBER	J1

C01	AT	ISSUED FOR TENDER	23.09.2026
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REV	SUIT	DESCRIPTION	DATE
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ISSUED FOR TENDER			

CHECKED BY:	REVIEWED BY:	APPROVED BY:
LC	BP	NMcC

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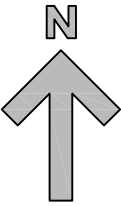
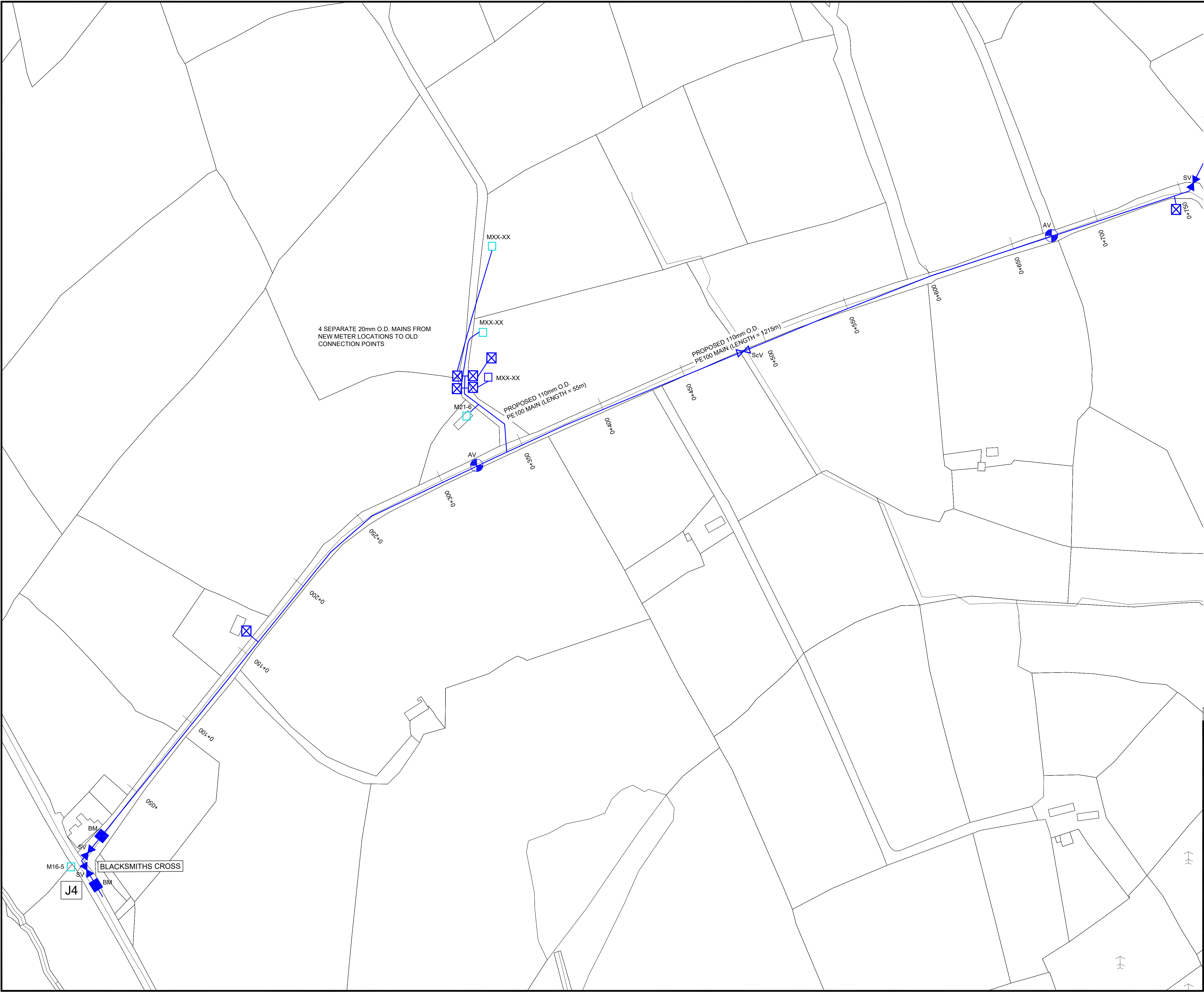
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CLIENT:	CLIFFERNA GROUP WATER SCHEME
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DRAWING TITLE:	CAVAN/BALLIEBOROUGH ROAD GWS PROPOSED WATERMAIN LAYOUT
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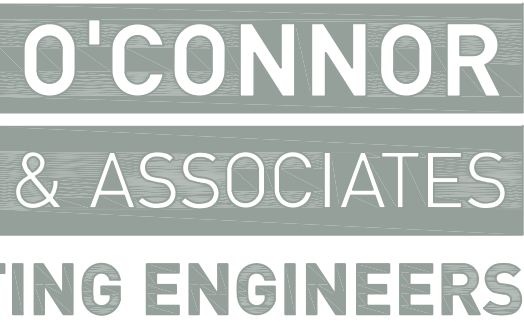
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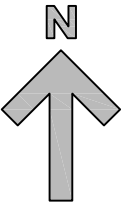
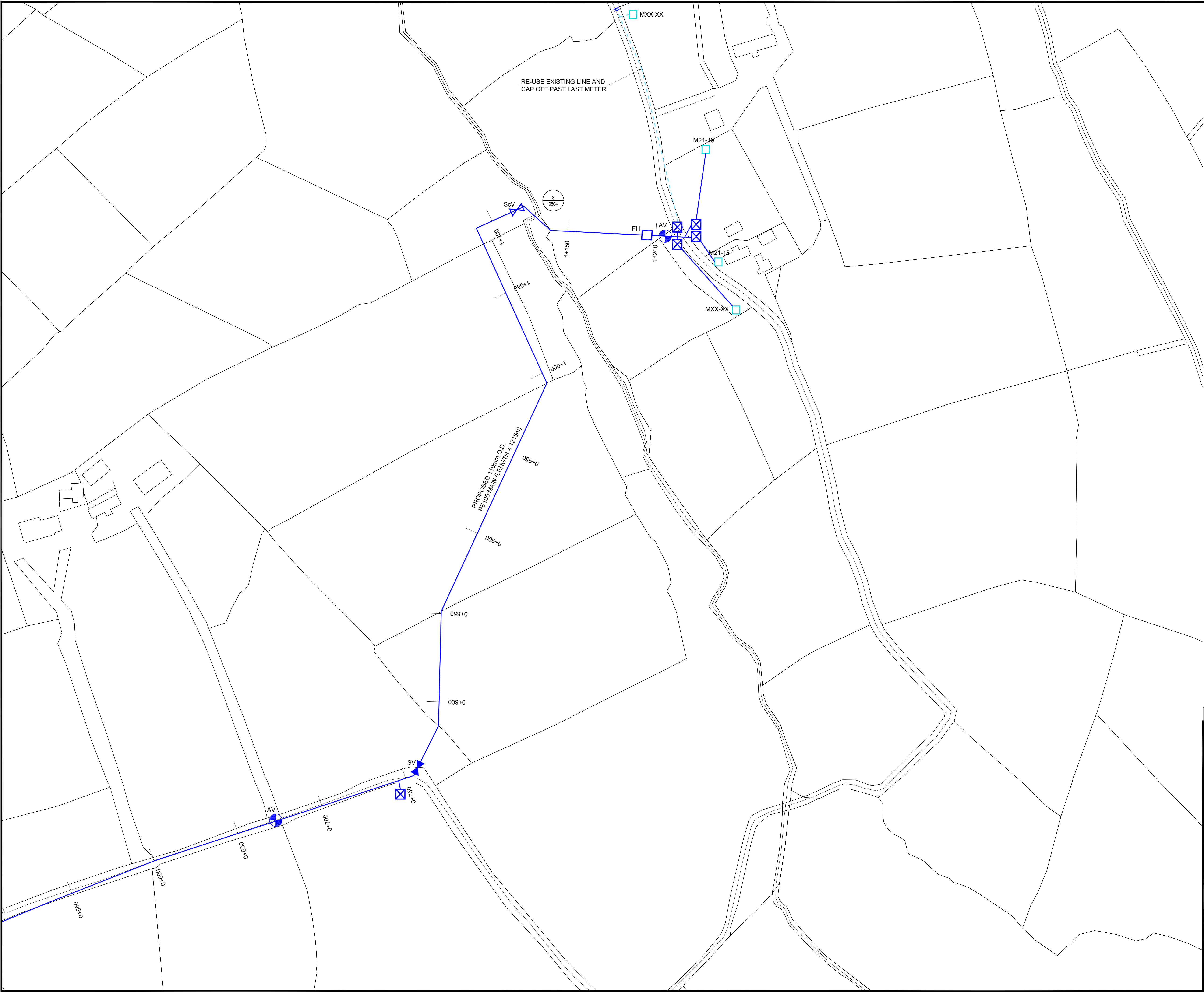
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26011-TJOC-XX-XX-DR-C-0452	C01



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 - FOR VALVE CHAMBER DETAILS REFER TO DRAWING 0501
 - FOR TRENCH REINSTATEMENT DETAILS REFER TO DRAWING 0502.
 - FOR MISCELLANEOUS DETAILS REFER TO DRAWING 0503.

LEGEND	
PROPOSED WATERMAIN	
SCOUR VALVE	ScV
SLUICE VALVE	SV
AIR VALVE	AV
FIRE HYDRANT	FH
BULK METER	BM
EXISTING HOUSE METER	M1-13
NEW HOUSE METER	M101
JUNCTION NUMBER	J1

C01	AT	ISSUED FOR TENDER	23.09.2026
REV	SUIT	DESCRIPTION	DATE
DRAWING STATUS: ISSUED FOR TENDER			
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PROJECT: CLIFFERNA GROUP WATER SCHEME NETWORK UPGRADE			
CLIENT: CLIFFERNA GROUP WATER SCHEME			
DRAWING TITLE: DERRYHUM ROAD GWS PROPOSED WATERMAIN LAYOUT			
SCALE: 1:1000		(A1)	
PROJECT - ORIGINATOR - VOLUME - LOCATION - TYPE - ROLE - NUMBER 26011-TJOC-XX-XX-DR-C-0453			REV: C01

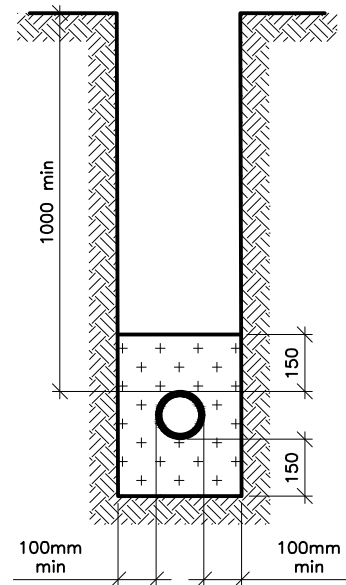


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 - FOR VALVE CHAMBER DETAILS REFER TO DRAWING 0501
 - FOR TRENCH REINSTATEMENT DETAILS REFER TO DRAWING 0502.
 - FOR MISCELLANEOUS DETAILS REFER TO DRAWING 0503.

LEGEND

PROPOSED WATERMAIN	
SCOUR VALVE	ScV
SLUICE VALVE	SV
AIR VALVE	AV
FIRE HYDRANT	FH
BULK METER	BM
EXISTING HOUSE METER	M1-13
NEW HOUSE METER	M101
JUNCTION NUMBER	J1

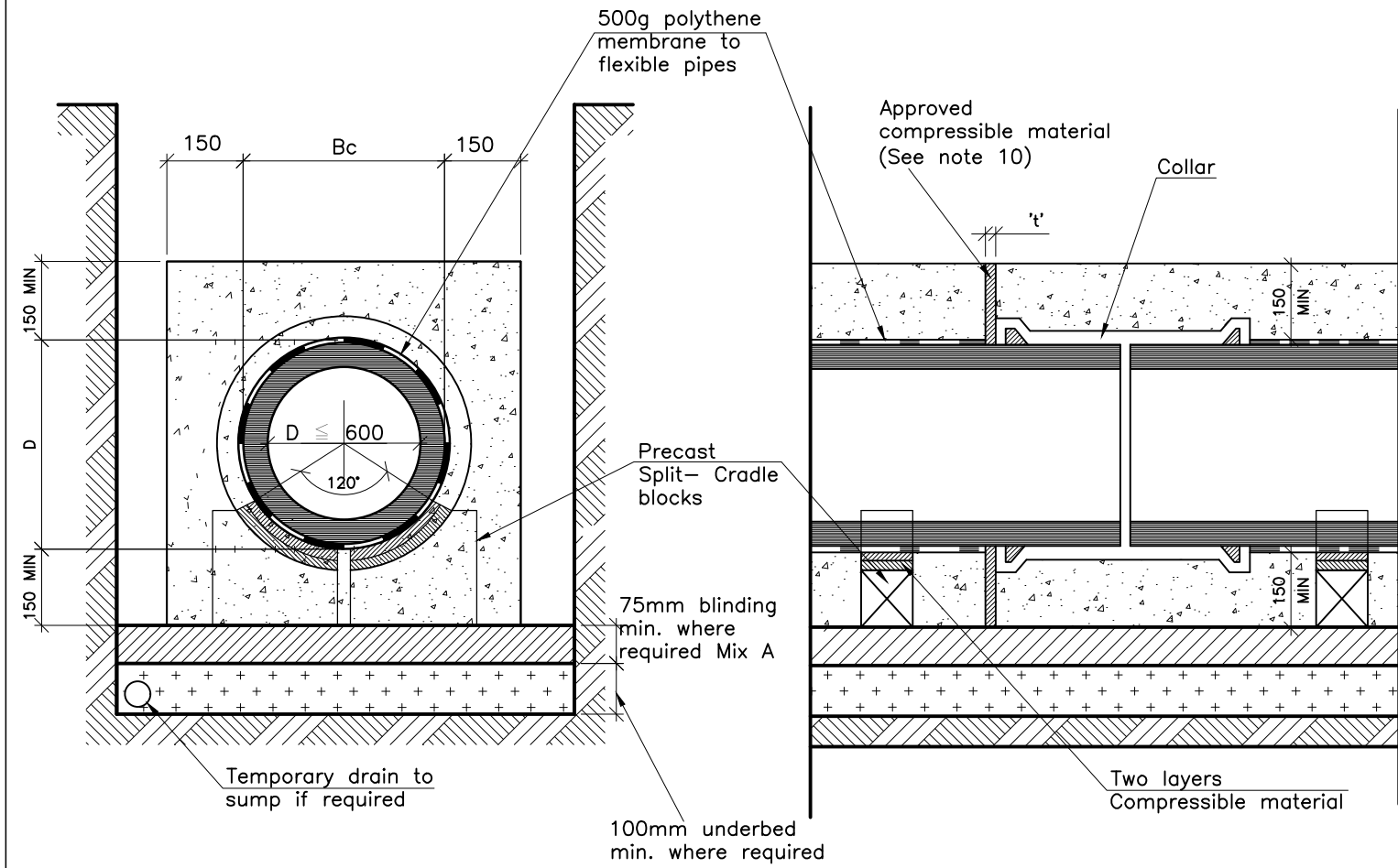
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REV	SUIT	DESCRIPTION	DATE
DRAWING STATUS: ISSUED FOR TENDER			
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PROJECT: CLIFFERNA GROUP WATER SCHEME NETWORK UPGRADE			
CLIENT: CLIFFERNA GROUP WATER SCHEME			
DRAWING TITLE: DERRYHUM ROAD GWS PROPOSED WATERMAIN LAYOUT			
SCALE: 1:1000			(A1)
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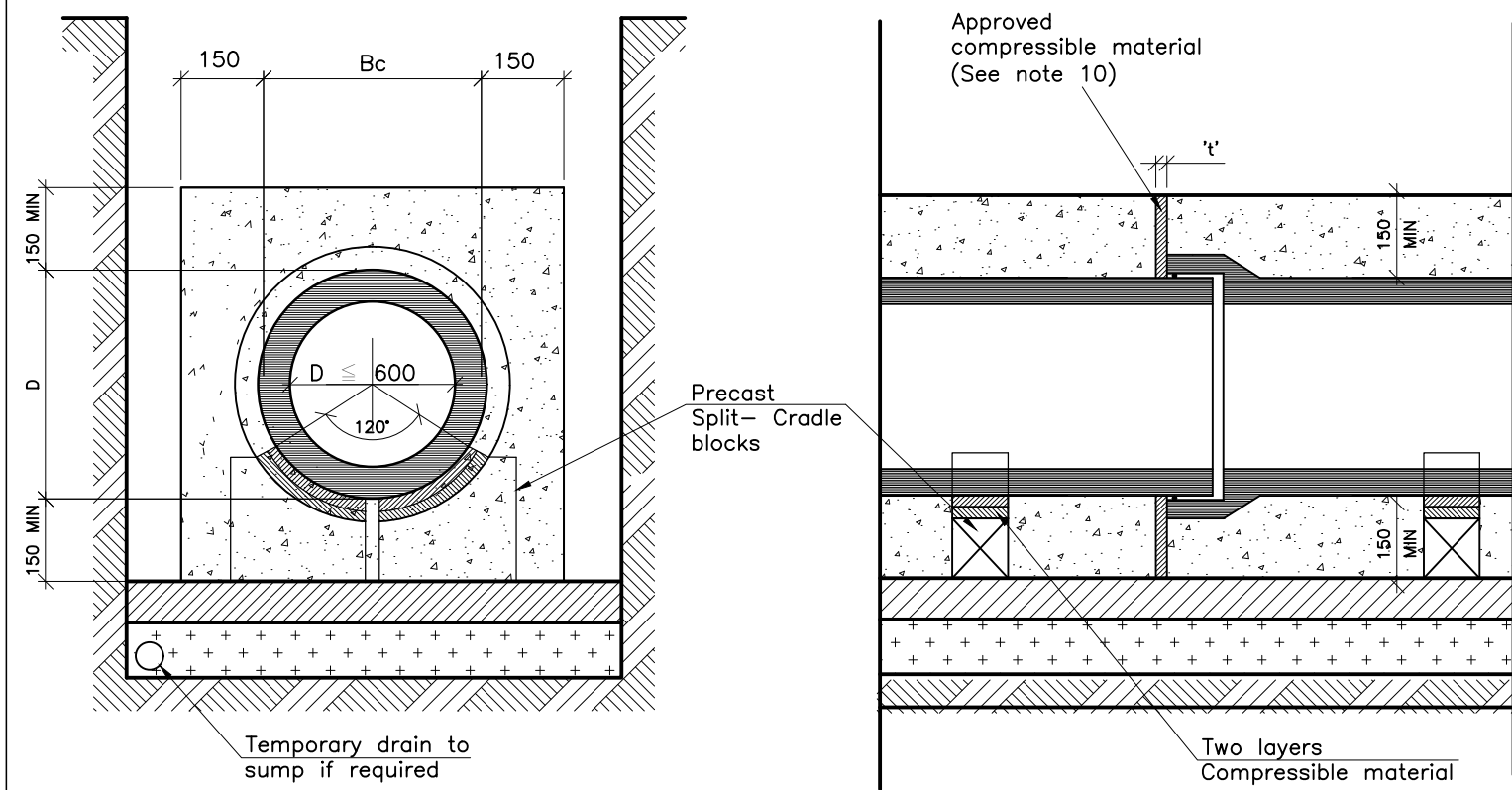
MACHINE CUT, TRENCH BOTTOM
CLASS E – For 110 AND 63mmO.D.
PE 100 SDR11 Pipes

NOTE : The Contractor shall allow for greater trench widths as required as per his Method of Construction and also to accommodate equipment, as per Section 6.5 of the Guidelines for the Opening, Backfilling and Reinstatement of Openings in Public Roads (Apr.2017). All costs associated with Trench Widths shall be deemed to be included in the Contract Sum.

Detail 1



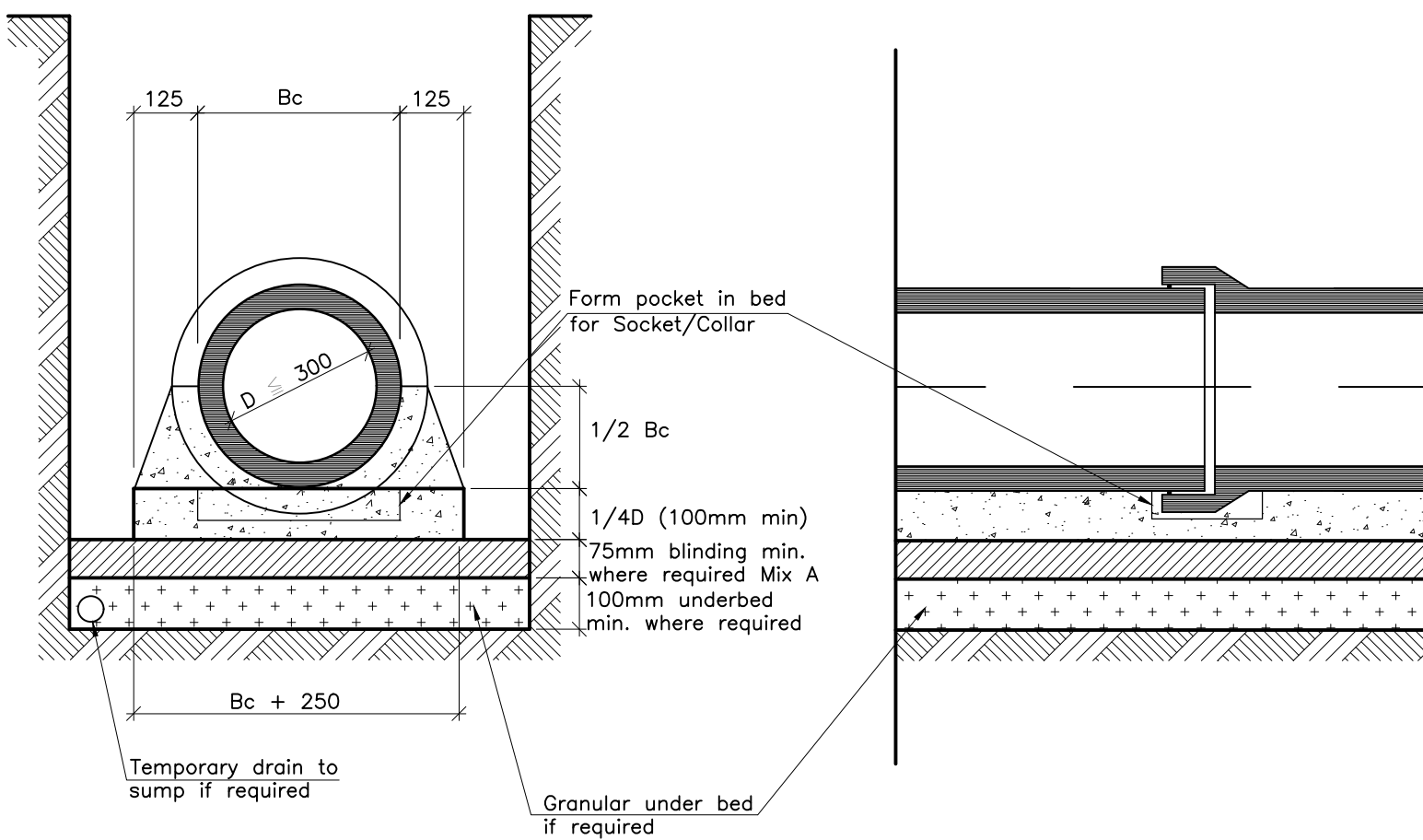
PIPES WITH COLLAR JOINTS



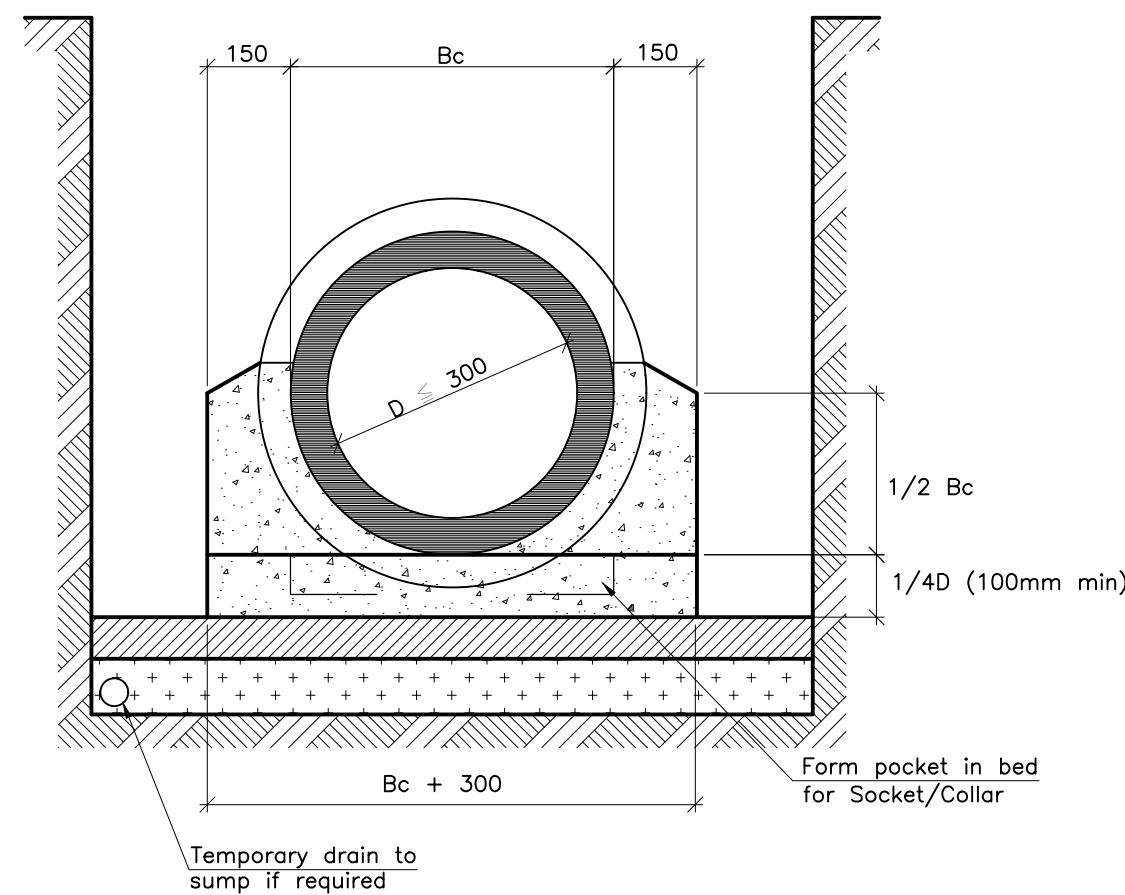
SOCKET AND SPIGOT PIPES

CONCRETE SURROUND

Detail 3



All flexible Pipes to be
Wrapped with 500g
Polythene before incasing



CONCRETE BED & HAUNCH

Detail 4

1. CONCRETE ARCHES, CRADLES AND SURROUND.

- 1.1. Concrete shall be Mix 'B', 30 N/mm² concrete with 20mm aggregate as described in the Specification.
- 1.2. No backfill, other than the initial 300mm of cover, shall be placed over the pipe until the compressive strength of the concrete has reached 15 N/mm².
- 1.3. The concrete shall be monolithic having no vertical or horizontal construction joints other than one vertical joint perpendicular to the line of the pipe at each pipe joint.
- 1.4. In the case of reinforced concrete cradles and arches the minimum area of steel shall be as follows :-

Nominal bore of pipe	Tranverse [per metre run]	Size [mm]	Longitudinal	Size [mm]
Not exceeding 400mm	400mm ²	10	200mm ²	8
400 – 600mm	800mm ²	12	310mm ²	10
600 – 800mm	1200mm ²	16	470mm ²	10
800 – 1200mm	1600mm ²	20	670mm ²	12
1200 – 1600mm	2000mm ²	20	750mm ²	12

- 1.5. In the case of reinforced concrete cradles and arches the steel reinforcement shall typically be as for cradles and arches with twice the area of steel unless specifically detailed otherwise.

2. BLINDING

- 2.1. 75mm minimum of Mix 'A' concrete blinding shall be used in general under concrete beds, surrounds and cradles. In rock the blinding may be dispensed with on the Engineer's instruction.

3. TYPE A GRANULAR BEDDING MATERIAL

- 3.1. Type A granular bedding material shall consist of rounded gravel which shall comply with the grading limits described in the Specification.
- 3.2. The compaction factor of Type A granular bedding material shall be determined in accordance with the Specification and extra care shall be taken with the compaction of material having a compaction factor greater than 0.1.

- 4.1. Where trench conditions dictate, or where instructed by the Engineer, a Type A granular underbed 100mm (min) deep shall be placed on trench bottom.

5. DIMENSIONS

- 5.1. Dimension 'X' : Denotes the thickness of the granular surround used over both barrel and socket/collar (if any) of pipes and shall be 150mm .

- 5.2. D – Denotes the nominal diameter of a pipe

- 5.3. Bc – Denotes the external diameter of a pipe

6. TYPE B SELECTED FILL MATERIAL

- 6.1. Type B selected fill shall be a uniform non-cohesive readily compacted material free from tree roots, vegetable matter, building rubbish and frozen soil and excluding clay lumps retained on a 75mm sieve and stones retained on a 25mm sieve.
- 6.2. Type B selected fill shall, consist of selected material removed from the trench excavations, screened if necessary, or if the excavated material is unsuitable it shall consist of suitable imported material.

7. WATER STOPS IN PIPE TRENCHES

- 7.1. In granular bedding and/or backfill, clay dams 300mm long shall be provided across the full trench and for the complete depth of the bedding and/or fill at intervals not exceeding 50m as described in the Specification.

8. TEMPORARY DRAIN

- 8.1. Temporary open jointed drains (75mm diam.) shall be placed in granular bedding and/or underbed where required.

9. PRECAST SUPPORT BLOCKS

- 9.1. Precast concrete support blocks complete with compressible pads consisting of two layers of Bitumen Damp-Proof sheeting complying with BS 743 Type 5, shall be used under pipes which require concrete Bed and Haunch, Cradle or Surround as set out in the Specification.

10. CONCRETE BEDDING JOINTS

- 10.1. Joints shall be formed in concrete Beds and Haunches, Cradles, Arches and Surrounds as described in the Specification and as detailed hereunder.

NOMINAL BORE OF PIPE (mm)	THICKNESS OF 2 LAYER COMPRESSIBLE FILLER 'Y' (mm)
LESS THAN 450	18
450 – 1200	36
EXCEEDING 1200	54

11. RIGID PIPES

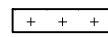
- 11.1. For the purpose of this drawing rigid pipes shall include Concrete (Conc.) Asbestos Cement (A.C.), and Vitrified Clayware (V.C.) Pipes.
- 11.2. All types of bedding and surrounds may be used with rigid pipes.

12. FLEXIBLE PIPES

- 12.1. For the purpose of this drawing flexible pipes shall include Polyvinyl Chloride (PVC), Acrylonitrile Butadiene Styrene (ABS), Glass Reinforced Plastic (GRP), Polyethylene (P.E), Ductile Iron (D.I.) and Steel pipes.
- 12.2. Concrete bed, haunch and surrounds and Class E bedding are permissible for use with flexible pipes. Flexible pipes in excess of 150mm in diameter shall not be used, except where expressly specified, or permitted by the Engineer.

LEGEND

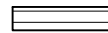
TYPE A GRANULAR BEDDING MATERIAL SHOWN THUS



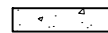
TYPE B FILL SHOWN THUS



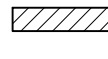
EXCAVATED MATERIAL LOOSELY FILLED SHOWN THUS



CONCRETE SHOWN THUS



CONCRETE BLINDING SHOWN THUS
(75mm min. unless specified elsewhere)

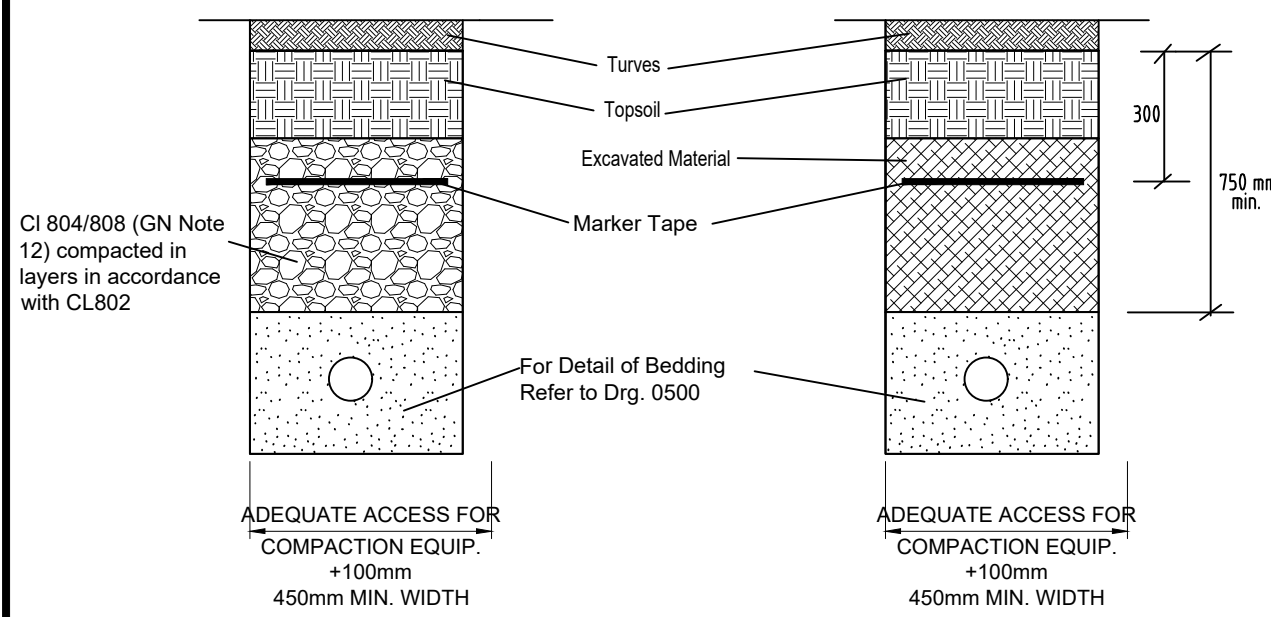


THIS DRAWING MUST BE READ IN CONJUNCTION WITH
THE PIPEWORK SECTIONS OF THE SPECIFICATION

C01	AT	ISSUED FOR TENDER	23.09.2026
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PROJECT:		CLIFFERNA GWS NETWORK UPGRADE	
CLIENT:		CLIFFERNA GWS	
DRAWING TITLE:		STANDARD BEDDING DETAILS FOR PIPES	
SCALE: NTS		(A1)	
PROJECT - ORIGINATOR - VOLUME - LOCATION - TYPE - ROLE - NUMBER 26011-TJOC-XX-XX-DR-C-0500			REV: C01

C01	AT	ISSUED FOR TENDER	23.09.2021
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PROJECT:		CLIFFENRA GWS NETWORK UPGRADE	
CLIENT:		CLIFFENRA GWS	
DRAWING TITLE:		VALVE CHAMBER DETAILS	
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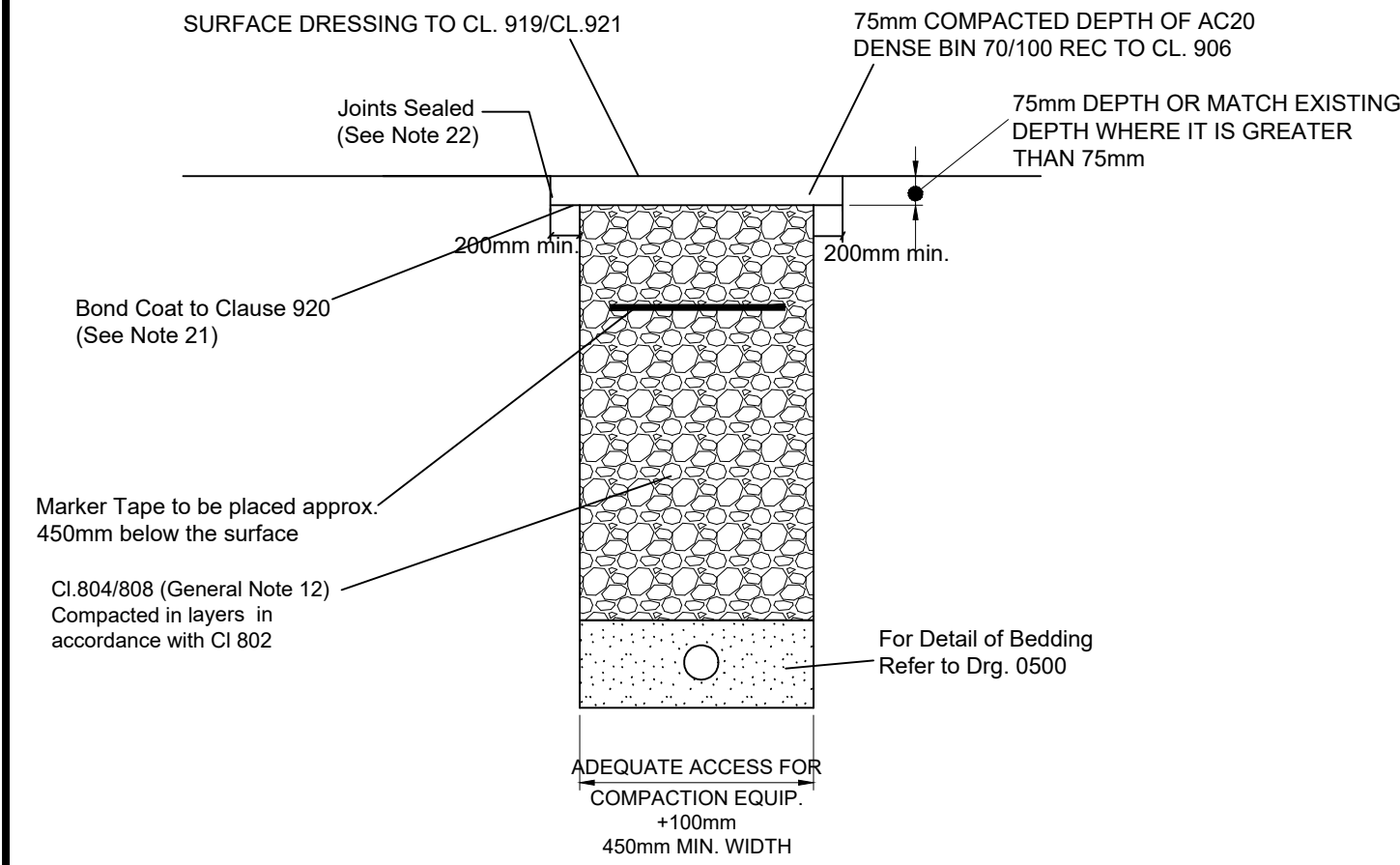
To apply when nearest point of trench is within one metre of paved edge of a national or regional road or in the median of a dual carriageway or motorway or within 0.5 metres of paved edge of a local road. In addition, the compacted 808 material shall extend to the road edge.



- NOTES:**
Notes 1-17 listed in General Reinstatement Notes apply.
18. Prior to excavation, all grass areas are to be cut into turves which are to be carefully stacked and reused within one week of cutting during the period 1st April to 31st August or within two weeks of cutting during the remainder of the year. Turves not used within these periods shall be regarded as topsoil. Outside of this period or where turves from grass area are not suitable, imported turves approved by the road authority are to be used.
19. Where topsoiling and seeding is permitted by the road authority the following shall apply:
- a. Prior to seeding or turfing, an approved fertilizer shall be evenly distributed on the topsoil at a rate of not less than 100g per sq. metre.
- b. The areas to be grassed shall be covered with topsoil to a minimum depth of 100mm which shall be reduced to a fine tilth, free from stones and debris with any dimension greater than 25mm. The topsoil shall be graded and lightly compacted to 100mm depth or existing depth - whichever is greater. Any upstanding debris or stones exceeding 25mm dimension shall be removed. Pay due regard to the season and weather condition before sowing grass seed. Immediately prior to sowing the grass seed, the topsoil shall be reduced to a fine tilth. Sowing the grass seed shall be carried out by an even distribution, using a blend of (per Hectare) 170kg Manhattan Rye Grass and 13kg Dwarf Clover or other mix as specified by the road authority. For slopes in excess of ten degrees, these quantities shall be increased by 50%. The seed shall be covered by lightly raking into the surface of the topsoil. The area shall be watered every second day.
20. All drainage channels shall be marked on the carriageway, mapped and shall be fully restored in conjunction with verge reinstatement to ensure that surface water runoff is discharged from the road surface.
21. All temporary reinstatement as detailed above shall be carried out immediately after backfilling. When all settlement has taken place or after a three month period, whichever is the greater, the trench shall be topped up with topsoil to its original level.
22. Where works are in close proximity to trees/tree roots compliance with BS 5837:2012 is required.

DETAIL 1

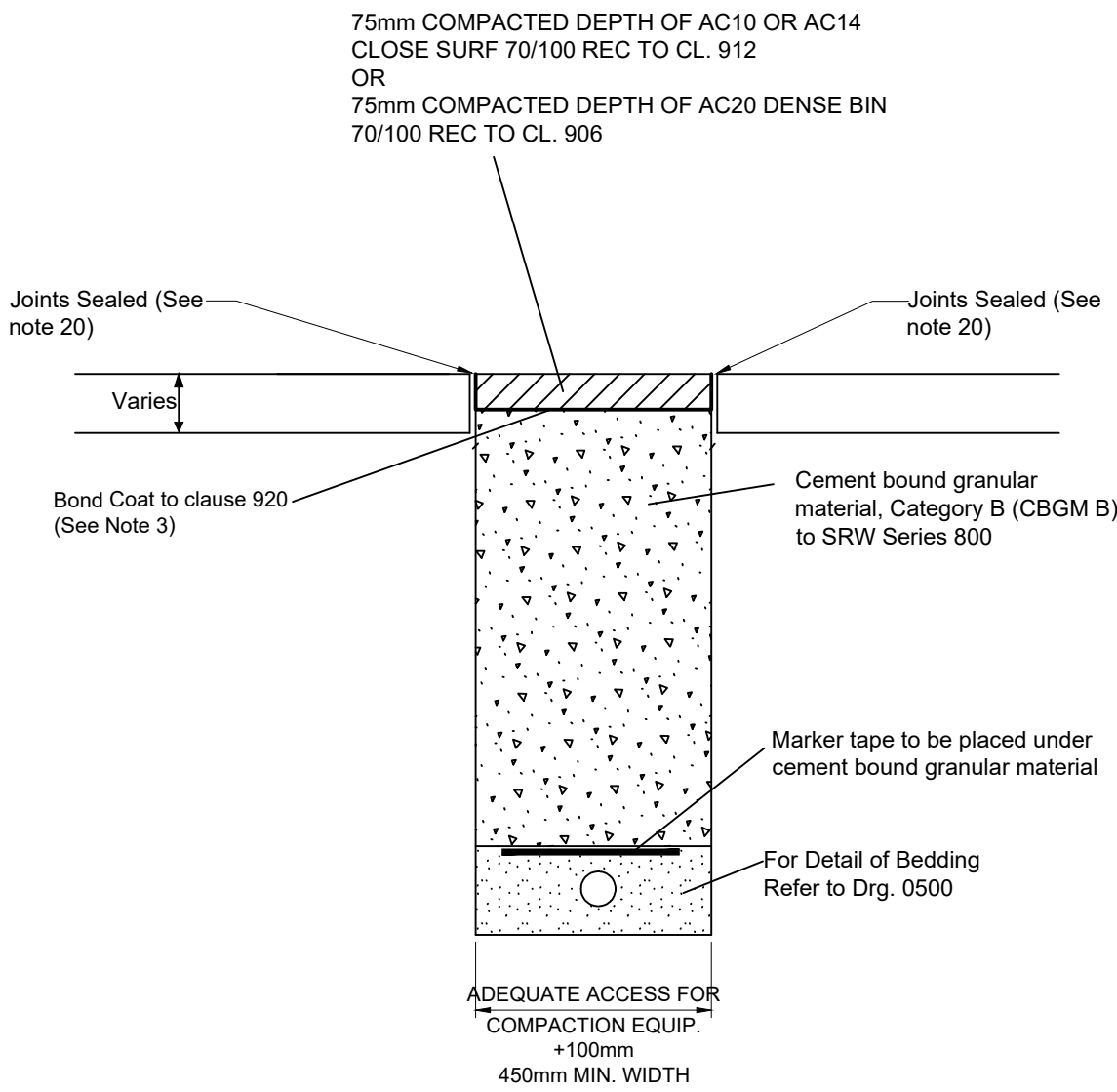
PERMANENT REINSTATEMENT
GRASS VERGES, MEDIANS, FIELDS AND LAWNS



- NOTES:**
Notes 1-17 listed in General Reinstatement Notes apply.
18. As a minimum the reinstatement layer shall match existing bound AC layers or depths shown.
19. Where a temporary surface has been used, material shall be planed out to the depth specified in this drawing. The new permanent surface shall be machine laid and mechanically compacted with a vibrating roller.
20. Where the trimmed edge of an excavation is within 400mm* of a joint/edge, ironwork or other reinstatement, this trimmed edge shall be extended to include same and the area of reinstatement shall be extended accordingly. (* increase to 800mm where this is pre-existing practice)
21. Clause 808 or Cement Bound Granular Material surface to be sprayed per Clause 920 prior to application of Asphalt Concrete Layer.
22. Joint sealer shall be a hot 40/60 pen bitumen binder or cold thixotropic bitumen 50 - 70 pen to be applied to all vertical cuts in accordance with B.S. 594987 prior to application of bituminous materials.
23. For roads without an Asphalt Concrete surface (e.g. may be Cl. 804 with double Surface Dressing), the road authority may at its discretion permit the temporary reinstatement surface of Asphalt Concrete to be regulated in lieu of excavation and reinstatement; and subsequently surface dressed.
24. Where road widths are greater than 5.5 metres and the works are confined to one half of the road, then the Surface Dressing shall only be applied over a half road width. Where the road widths are less than 5.5 metres, Surface Dressing should be applied over the full road width. Note: Surface Dressing does not constitute full width reinstatement unless the structural AC layer is provided over the full width.
18. Regard must be had to the seasonal restrictions affecting Surface Dressing (See IAT Surface Dressing Guidelines).
19. On highly trafficked roads services must have a minimum cover of 750mm.
20. Where required by the road authority the trench may be reinstated with a Cement Bound Granular Material.

DETAIL 4

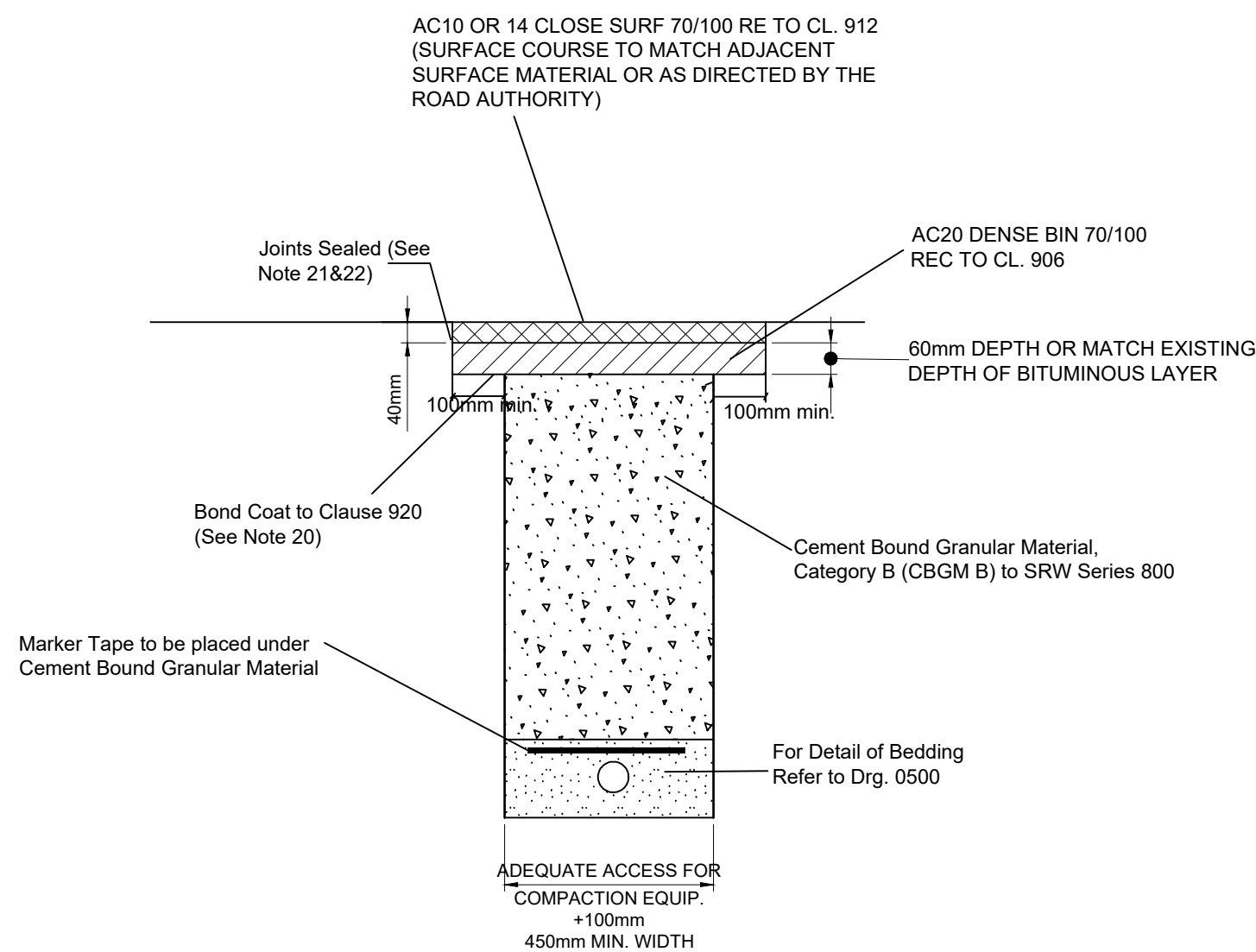
PERMANENT REINSTATEMENT LONGITUDINAL
OPENING IN ROADWAY



- NOTES:**
Notes 1-17 listed in General Reinstatement Notes apply.
18. As a minimum the reinstatement layer shall match existing bound AC layers or depths shown. Cement Bound Granular Material surface to be sprayed per Clause 920 prior to application of Asphalt Concrete Layer.
19. Joint sealer shall be a hot 40/60 pen bitumen binder or cold thixotropic bitumen 50 - 70 pen to be applied to all vertical cuts in accordance with B.S. 594987 prior to application of bituminous materials.
20. Licence Holder must maintain temporary reinstatement to a safe and acceptable standard.
21. Temporary road surface warning signs must be used in accordance with the Traffic Signs Manual (Chapter 8) & RLS 8/2007.
22. Refer to DETAIL 5 for requirements on permanent reinstatement.
23. The coarse aggregate in the surface course Asphalt Concrete shall have a polished stone value of not less than 60.

DETAIL 2

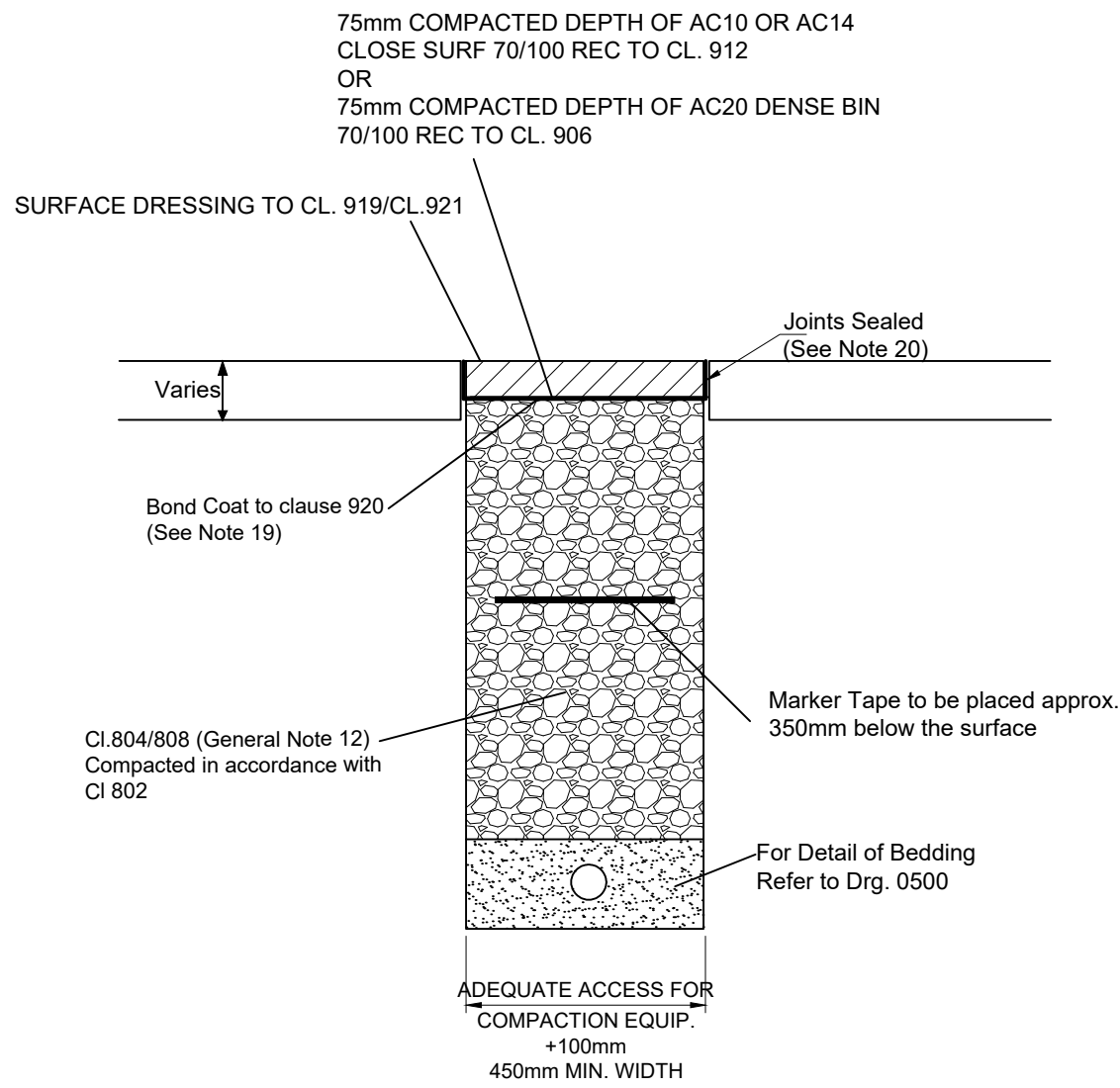
TEMPORARY REINSTATEMENT (Pavement)
TRANSVERSE OPENINGS IN ROADWAYS



- NOTES:**
Notes 1-17 listed in General Reinstatement Notes apply.
18. Where a temporary surface has been used, material shall be planed out to the depth specified in this drawing. The new permanent surface shall be machine laid and mechanically compacted with a vibrating roller.
19. Where the trimmed edge of an excavation is within 400mm* of a joint/edge, ironwork or other reinstatement, this trimmed edge shall be extended to include same and the area of reinstatement shall be extended accordingly. (* increase to 800mm where this is pre-existing practice)
20. Cement Bound Granular Material surface to be sprayed per Clause 920 prior to application of Asphalt Concrete Layer.
21. Joint sealer shall be a hot 40/60 pen bitumen binder or cold thixotropic bitumen 50 - 70 pen to be applied to all vertical cuts in accordance with B.S. 594987 prior to application of bituminous materials.
22. 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 used in accordance with Road Note 27 and shall not exceed 3mm depth and 50mm width or other method approved by the road authority.
23. The coarse aggregate in the surface course Asphalt Concrete shall have a polished stone value of not less than 60.
24. Surface course to match existing surfaces unless otherwise directed by road authority.

DETAIL 5

PERMANENT REINSTATEMENT TRANSVERSE OPENING IN
ROADWAY



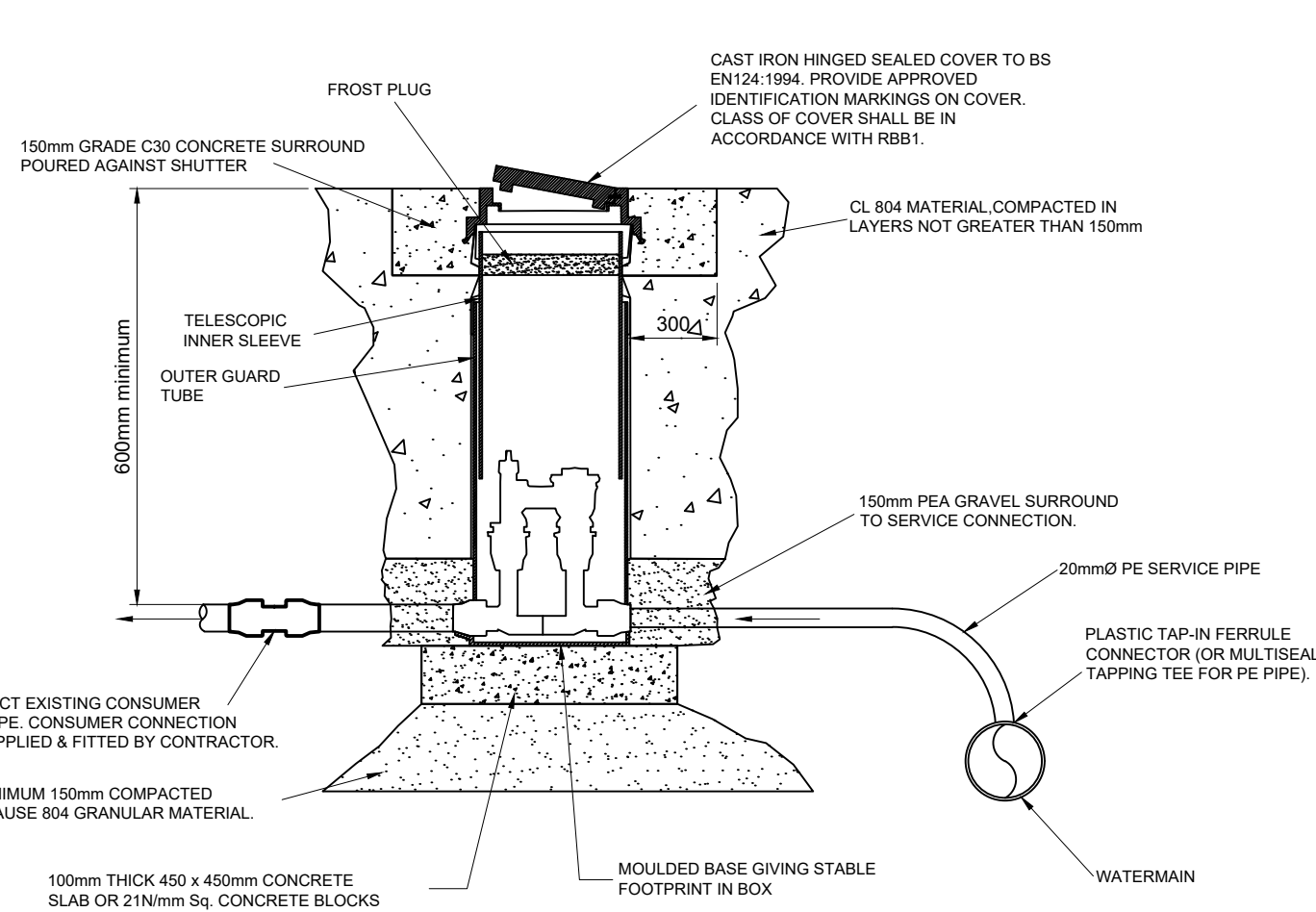
- NOTES:**
Notes 1-17 listed in General Reinstatement Notes apply.
18. As a minimum the reinstatement layer shall match existing bound AC layers or depths shown.
19. Clause 808 surface or Cement Bound Granular Layer to be sprayed per Clause 920 prior to application of Asphalt Concrete Layer.
20. Joint sealer shall be a hot 40/60 pen bitumen binder or cold thixotropic bitumen 50 - 70 pen to be applied to all vertical cuts in accordance with B.S. 594987 prior to application of bituminous materials.
21. Licence Holder must maintain temporary reinstatement to a safe and acceptable standard.
22. Temporary road surface warning signs must be in use in accordance with the Traffic Signs Manual (Chapter 8) & RLS 8/2007.
23. The coarse aggregate in the surface course Asphalt Concrete shall have a polished stone value of not less than 60.

DETAIL 3

TEMPORARY REINSTATEMENT
LONGITUDINAL OPENING IN ROADWAY

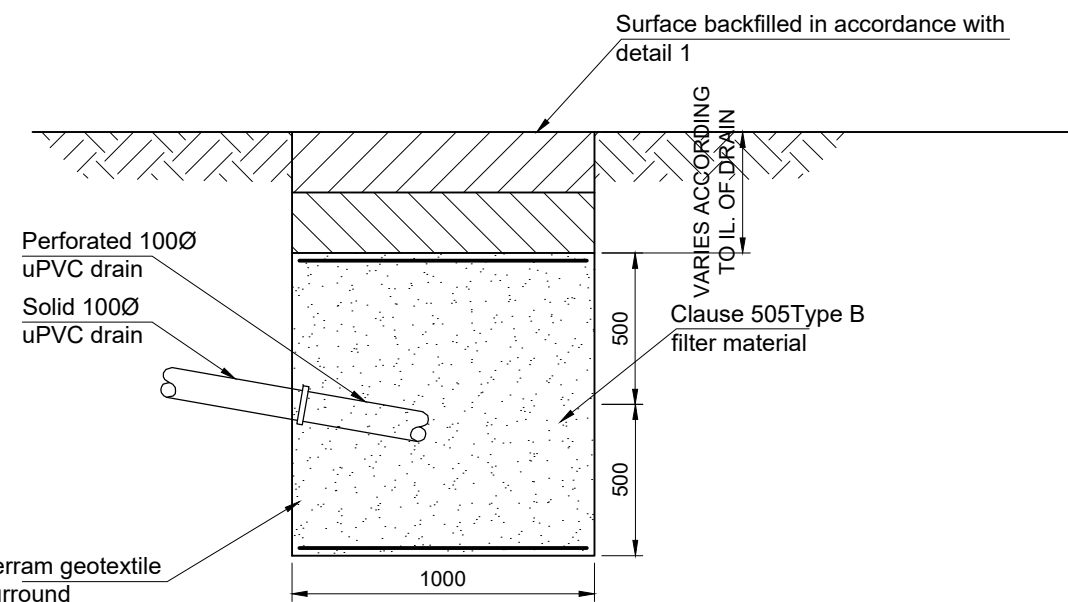
General Reinstatement Notes

- Compliance with these drawings and details are mandatory. Dependent on circumstances and where drawings provide options/alternatives, road authorities may specify one option only as being applicable. Where a utility has an approved equivalent detail for bedding and surround this may be substituted for the bedding and surround detail shown in the Standard Drawings, provided it is agreed with the road authority in advance.
 - Full width/lane/bay reinstatements works shall be machine laid with materials used in accordance with TII Specification for Road Works and use materials and depths of reconstruction to match the existing surface. Note: Surface Dressing does not constitute full width reinstatement unless the structural Asphaltic Concrete (AC) layer is provided over the full width.
 - On approach to the works site, the name of the contractor and Licence Holder must be clearly displayed with a 24 hour contact number.
 - All works shall have a temporary traffic management plan, which shall be available for inspection on site, and shall comply with the Traffic Signs Manual and health and safety requirements.
 - Prior to any excavation works taking place, the location of all underground and over ground services must be identified and marked by a competent person trained in the use of cable detectors. Contact shall be made with all relevant service providers in this regard.
 - All works and materials shall comply with the TII Specification for Road Works. Series 900 of that specification will be the March 2011 version. All other Series will be to the current version.
 - Excavation on a road should not be closer than 500mm to the kerb line in order to prevent undermining of the adjacent footway. The trench should be located so as to avoid surface joints being located in the wheel track as far as reasonably practicable.
 - All bound (or concrete) edges shall be saw cut to expose the full vertical thickness of each layer prior to excavation. All edges shall be essentially straight, smooth and vertical.
 - Excavations shall be sufficiently protected to avoid harmful effects caused by weather or adjacent wheel loading.
 - Refer to Chapter 6 for requirements on pipe/duct type/colour and marker tape.
 - The method of work shall ensure proper compaction and such compaction may be tested by the road authority. To ensure adequate compaction, minimum clearances must be maintained vertically and horizontally between individual ducts or services installed in a group.
 - CL 808 to be used within 500mm of cement bound materials, concrete pavements, concrete structures or concrete products. Otherwise CL. 804 may be used. Foamed concrete to CL. 1043 may only be used as a bedding material or backfill material with prior approval of the road authority. Cement Bound Granular Mixture B shall have a minimum strength class of C8/10, unless otherwise directed.
 - Where steel plates or other trench covers are used, they must comply with Section 6.3.7.
 - Hand laying of hot bituminous mixtures shall be restricted to the following circumstances:
 - At the edges of the layers of material and at gullies, manholes and other ironwork.
 - In confined spaces where it is impracticable for a paver to operate.
 - At the approaches to expansion joints at bridges, viaducts or other structures.
 - Transverse reinstatements less than 4 metres in width.
 - Longitudinal reinstatements less than 20 metres in length.
 - Surface course reinstatements of longitudinal excavations less than 1 metre in width.
 - Temporary reinstatement
- The method of laying shall be such that the finished surface is free from dragging, tearing and segregation of the material.
- All surface course aggregate shall have a minimum PSV of 60 declared unless otherwise specified by the road authority. Temporary surfaces to be managed in accordance with RLS8/2007.
 - Any damage to the road structure or areas adjacent to the opening and resulting from the works shall be repaired and included within the area to be reinstated.
 - Where there are exceptional circumstances not covered by the drawings, the reinstatement specification must be agreed with the road authority.



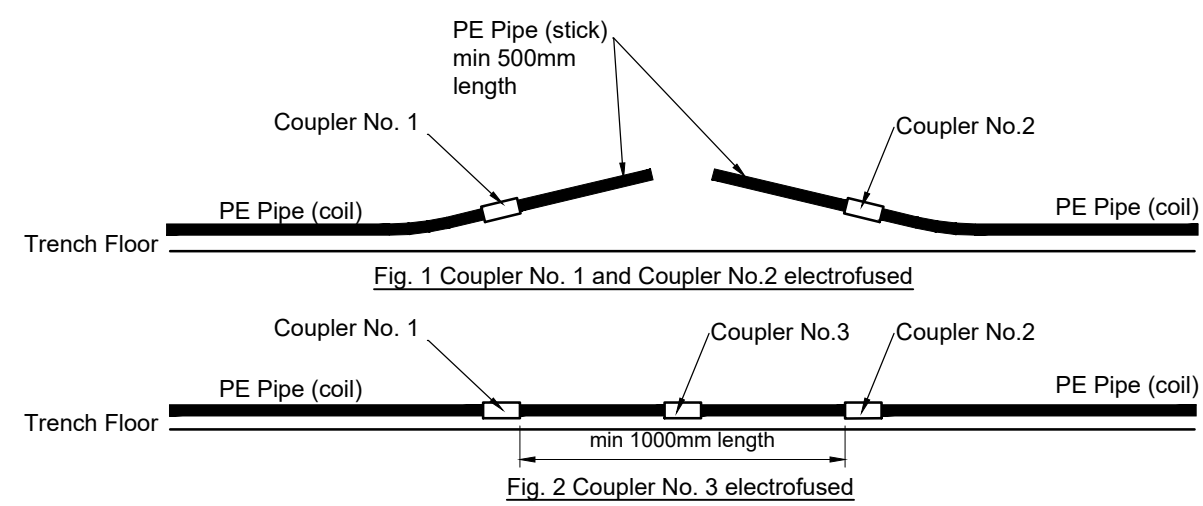
STANDARD RAISED BOUNDARY BOX DETAIL

N.T.S.



DETAIL 6

SOAKPIT DETAIL

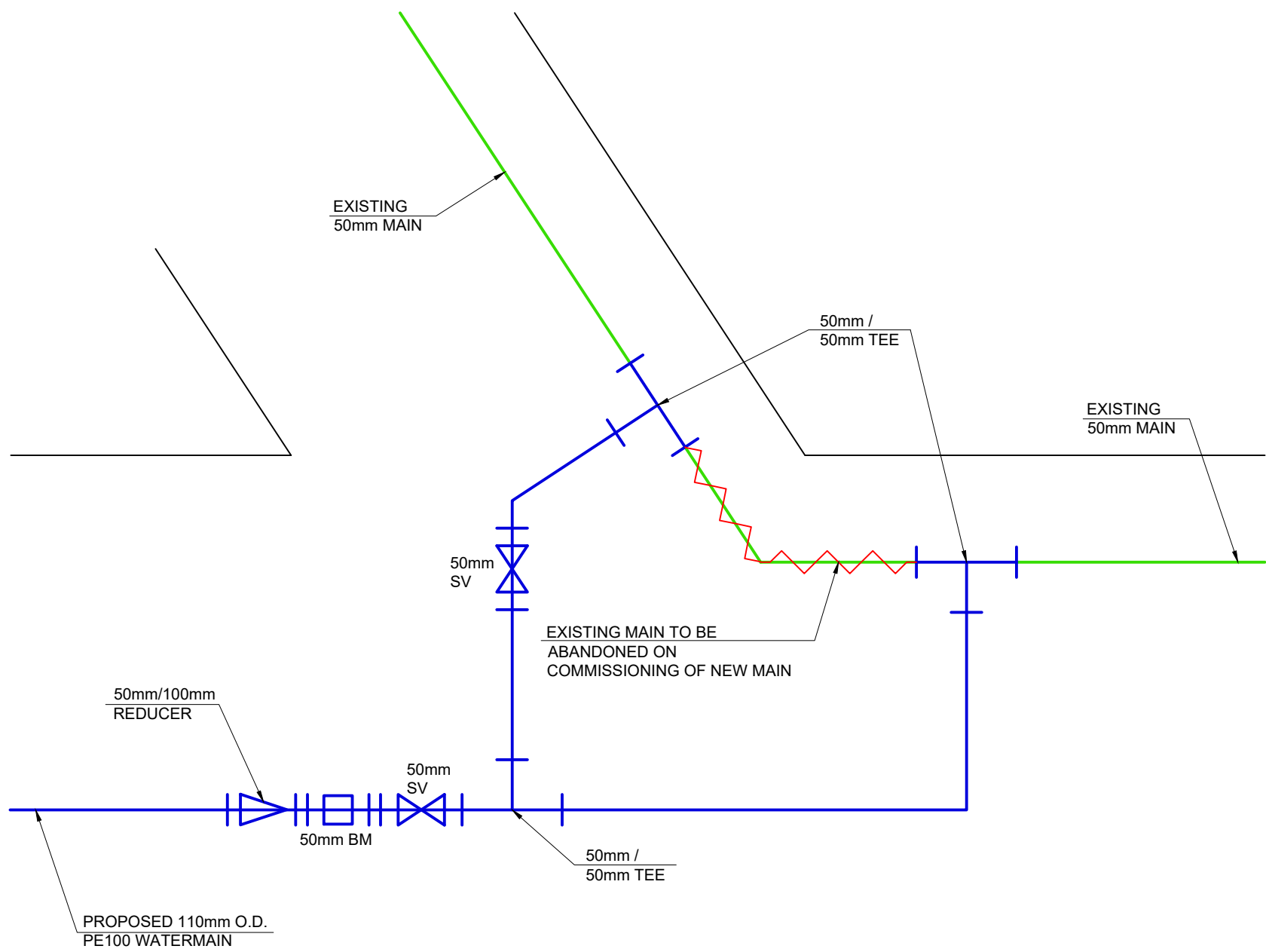


At in-trench connections, and where jointing coils of PE pipe with diameter greater than 100mm OD, the Contractor shall be required to use 3 No. electrofusion couplers to electrofuse all joint (see Diagram 1 below). Coupler No. 1 and Coupler No.2 will each be used to join a PE pipe coil to a length of straight stick PE pipe (min length 500mm). Coupler No. 3 will then be electrofused to join the straight stick PE pipe sections. The Contract Sum shall include all costs associated with this constraint.

DETAIL 7

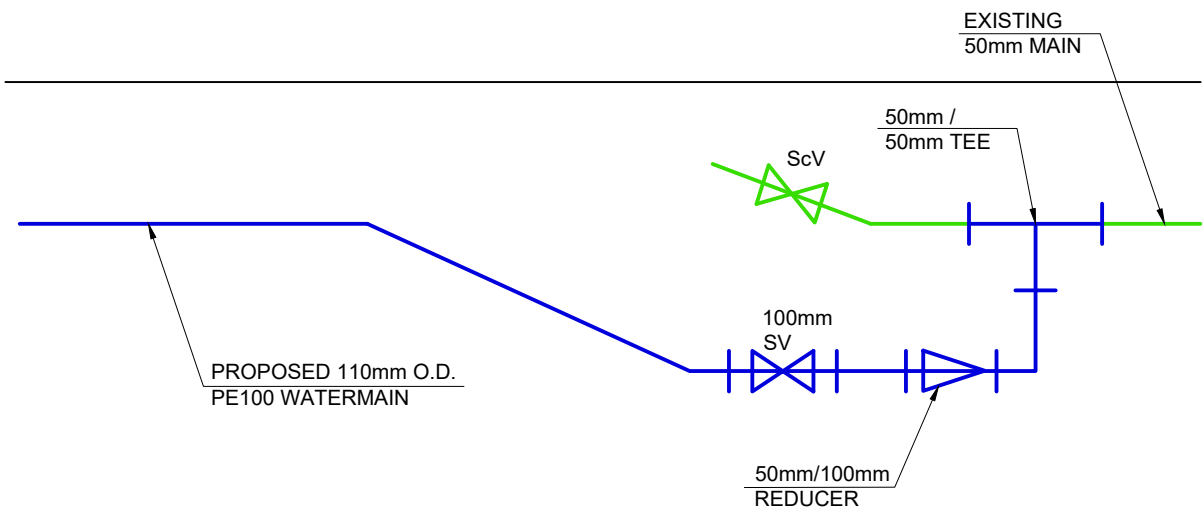
PE PIPE CONNECTION WITH
ELECTROFUSION COUPLERS

C01	AT	ISSUED FOR TENDER	23.09.2026
REV	SUIT	DESCRIPTION	DATE
DRAWING STATUS:		ISSUED FOR TENDER	
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CORRIG HOUSE, CORRIG ROAD, SANDYFORD, DUBLIN 18. Tel: 01-295 2321 Fax: 01-295 4541 Email: tjoc@tjoc.ie Web: www.tjoc.ie			
PROJECT:		CLIFFERNA GWS NETWORK UPGRADE	
CLIENT:		CLIFFERNA GWS	
DRAWING TITLE:		TRENCH REINSTATEMENT DETAILS	
SCALE: NTS			(A1)
PROJECT - ORIGINATOR - VOLUME - LOCATION - TYPE - ROLE - NUMBER 26011-TJOC-XX-XX-DR-C-0502			REV: C01



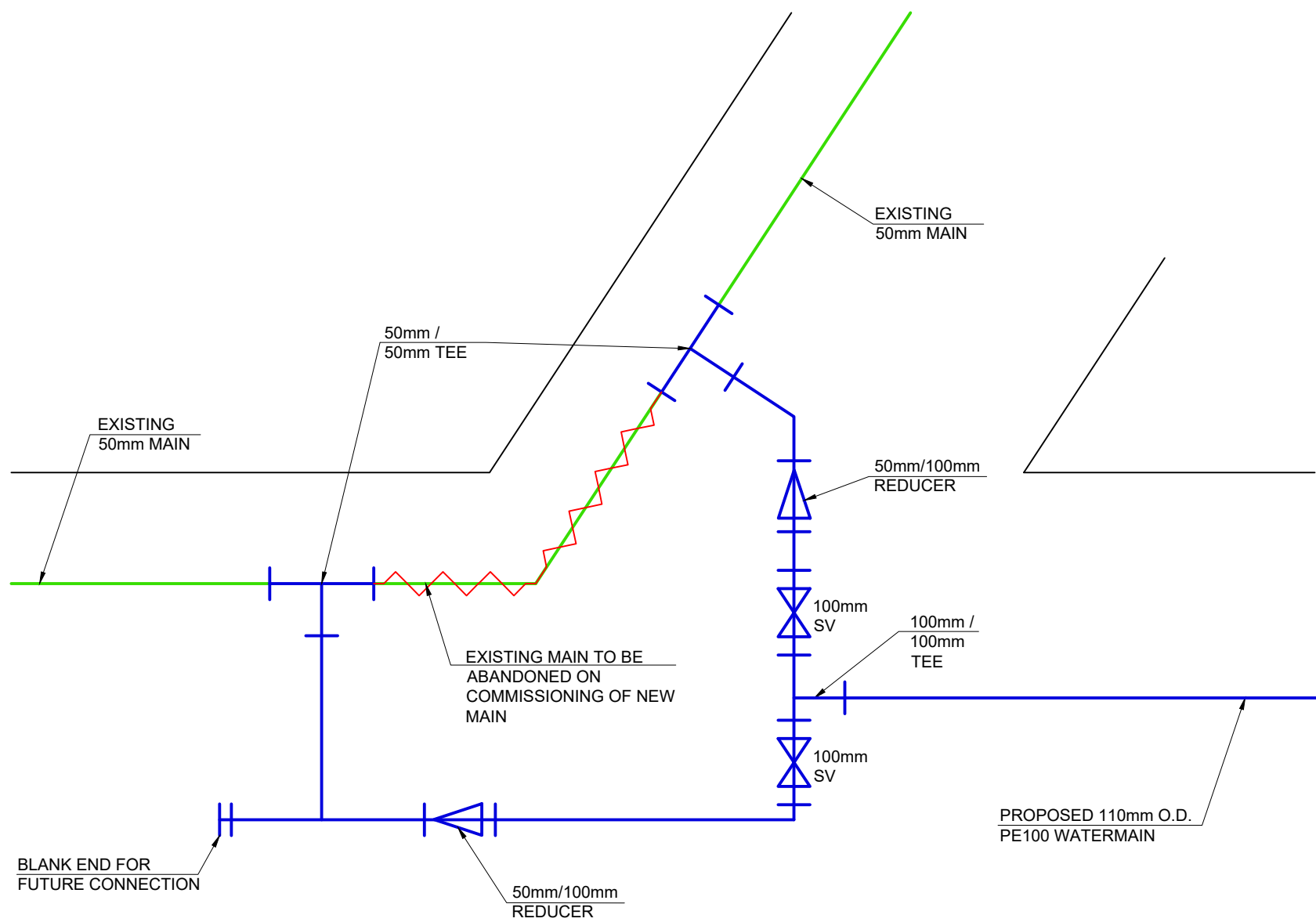
STRADONE ROAD

JUNCTION 1
STRADONE ROAD



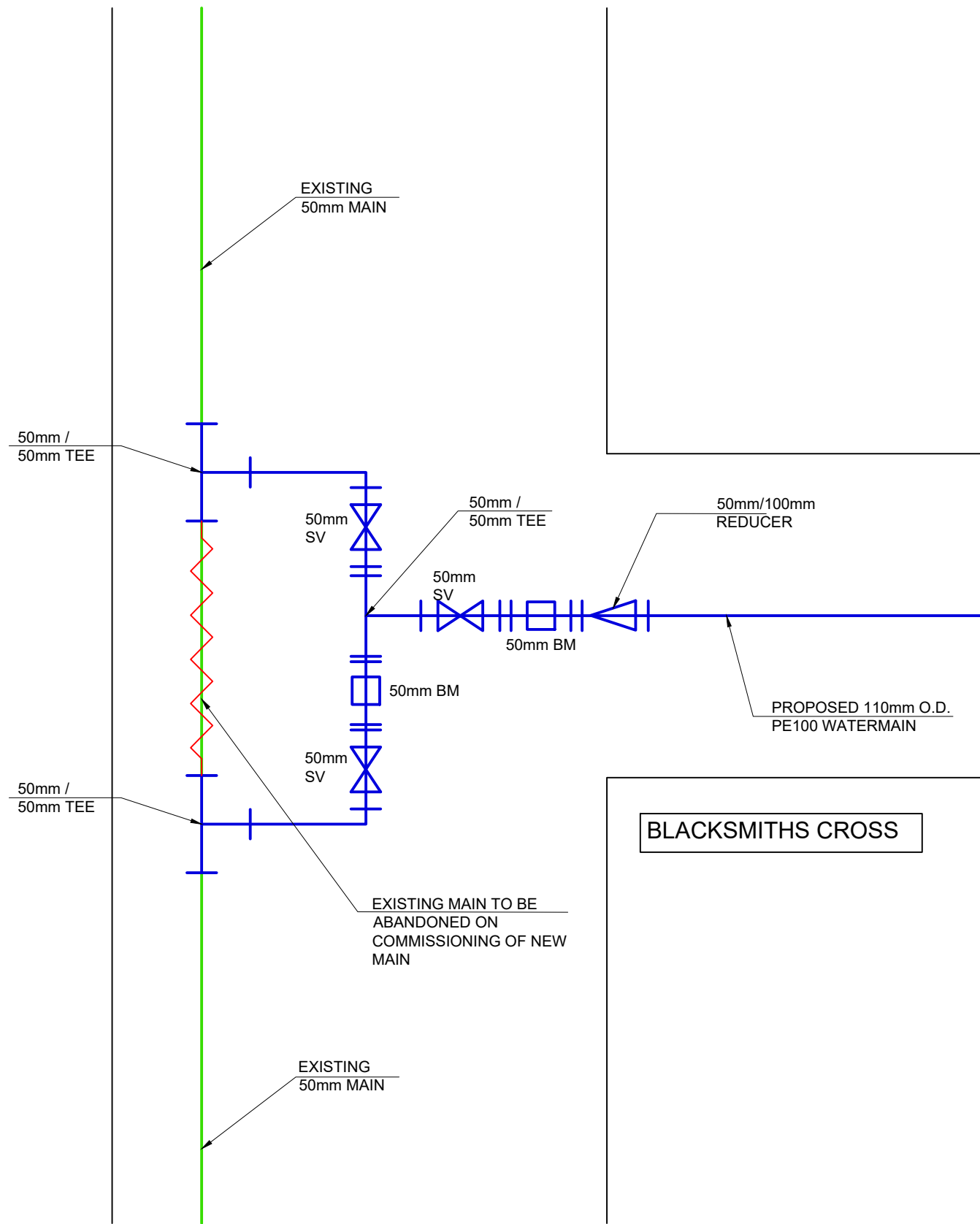
R165 CAVAN /
BAILIEBOROUGH ROAD

JUNCTION 2
CAVAN/BAILIEBOROUGH ROAD



R165 CAVAN /
BAILIEBOROUGH ROAD

JUNCTION 3
CAVAN/BAILIEBOROUGH ROAD



BLACKSMITHS CROSS

JUNCTION 4
BLACKSMITHS CROSS

LEGEND:

EXISTING WATERMAIN



PROPOSED WATERMAIN



NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS AND THE SPECIFICATION.
2. ALL LEVELS ARE IN METRES O.D. MALIN.
3. THE POSITION OF EXISTING SERVICES INSOFAR AS THEY ARE KNOWN AND AS SHOWN ON THE DRAWINGS MAY NOT BE ACCURATE AND MERELY INDICATE THEIR PRESENCE IN THE WORKING AREA.
4. FOR BEDDING DETAILS REFER TO DRAWING 0500.
5. FOR VALVE CHAMBER DETAILS REFER TO DRAWING 0501
6. FOR TRENCH REINSTATEMENT DETAILS REFER TO DRAWING 0502.

C01	AT	ISSUED FOR TENDER	23.09.2026
REV	SUIT	DESCRIPTION	DATE
DRAWING STATUS: ISSUED FOR TENDER			
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PROJECT: CLIFFERNA GROUP WATER SCHEME NETWORK UPGRADE			
CLIENT: CLIFFERNA GROUP WATER SCHEME			
DRAWING TITLE: MISCELLANEOUS DETAILS			
SCALE: NTS			(A1)
PROJECT - ORIGINATOR - VOLUME - LOCATION - TYPE - ROLE - NUMBER 26011-TJOC-XX-XX-DR-C-0503			REV: C01

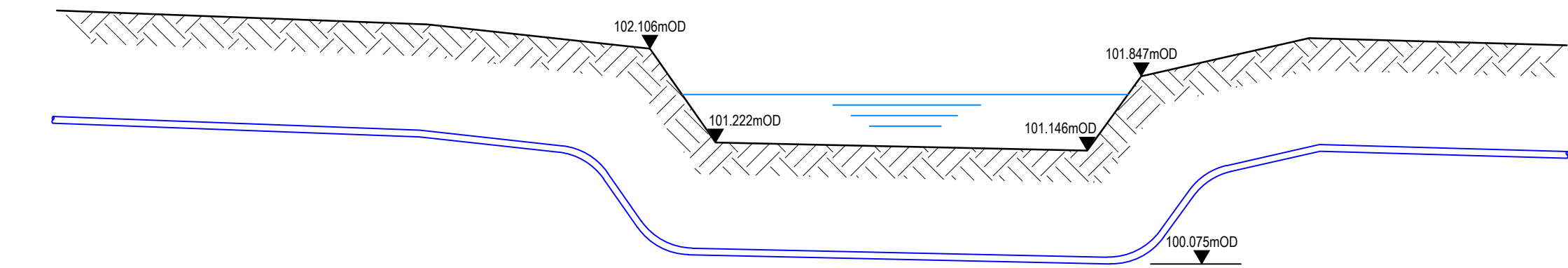
LEGEND:

PROPOSED WATERMAIN

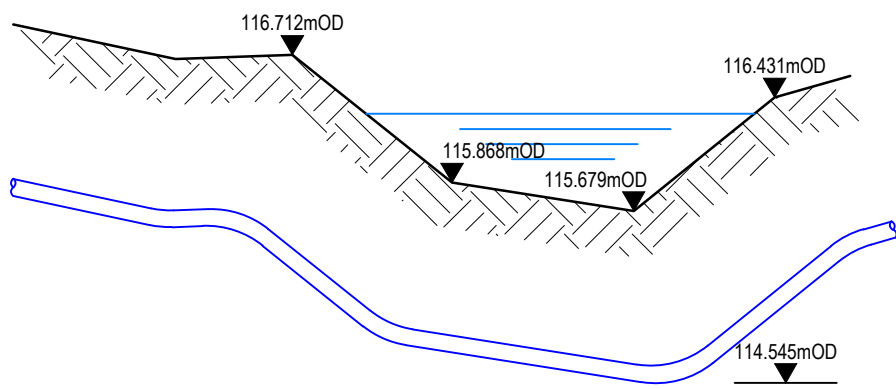
GROUND/BED LEVEL

APPROX. GROUND LEVEL

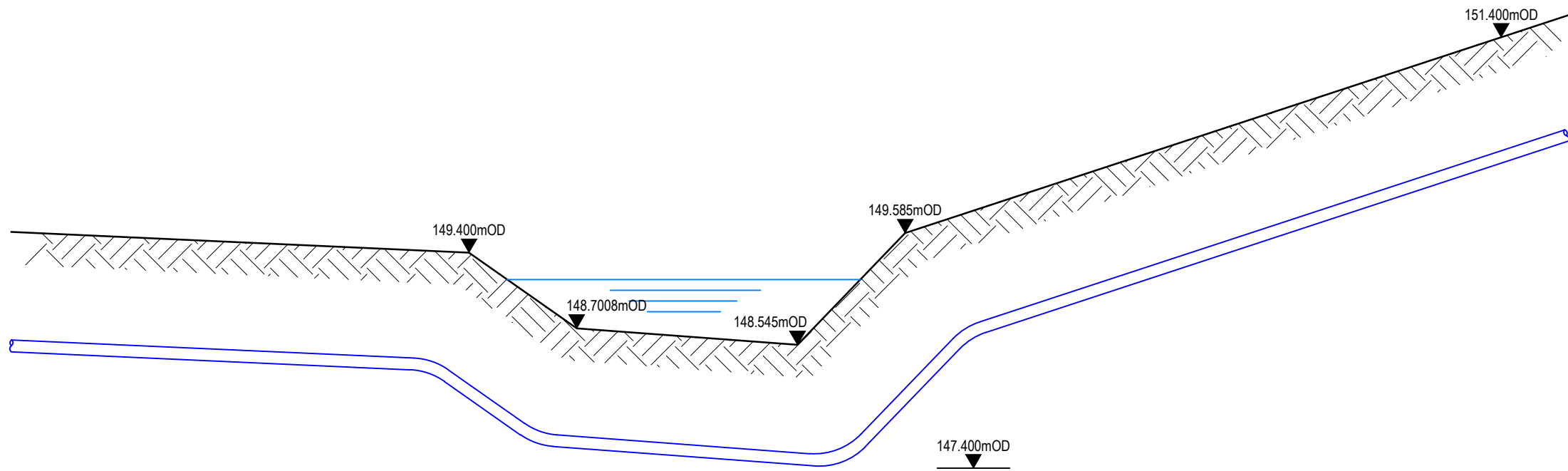
116.715mOD



1
0504 STRADONE ROAD - SECTION AT STREAM CROSSING
CHAINAGE 740m
SCALE: 1:50



2
0504 CAVAN / BALLIEBOROUGH ROAD - SECTION AT STREAM CROSSING
CHAINAGE 275m
SCALE: 1:50



3
0504 DERRYHUM ROAD - SECTION AT STREAM CROSSING
CHAINAGE 1125m
SCALE: 1:50

C01	AT	ISSUED FOR TENDER	23.09.2026
REV	STAT	DESCRIPTION	DATE
DRAWING STATUS: ISSUED FOR TENDER			
CHECKED BY: LC	REVIEWED BY: BP	APPROVED BY: NMCC	
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PROJECT: CLIFFERNA GROUP WATER SCHEME NETWORK UPGRADE			
CLIENT: CLIFFERNA GROUP WATER SCHEME			
DRAWING TITLE: MISCELLANEOUS DETAILS			
SCALE: AS SHOWN (A1)			
PROJECT - ORIGINATOR - VOLUME - LOCATION - TYPE - ROLE - NUMBER 26011-TJ0C-XX-XX-DR-C-0504			REV: C01