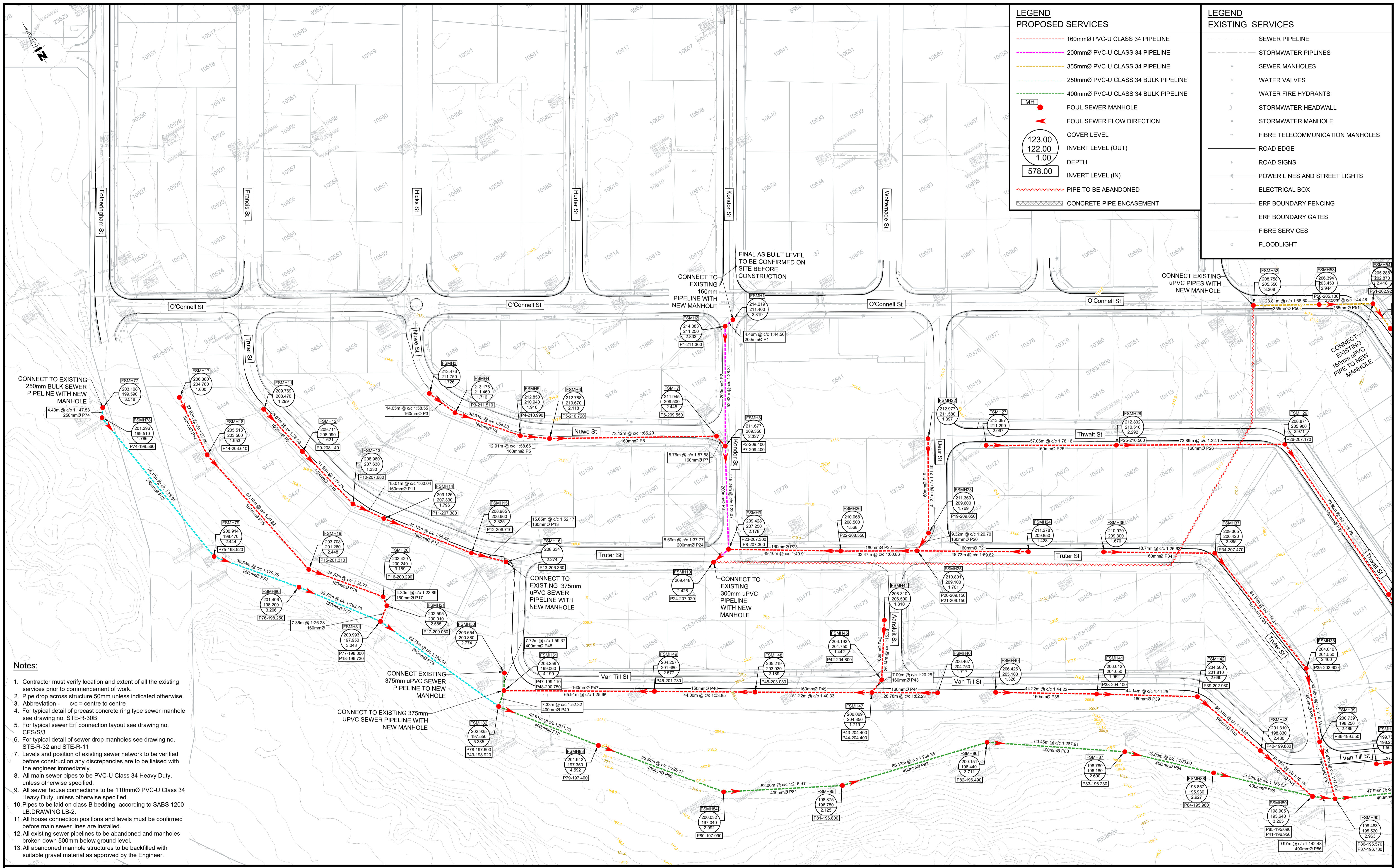


Appendix B1 – Rosemoor Sewerage Upgrades Layout



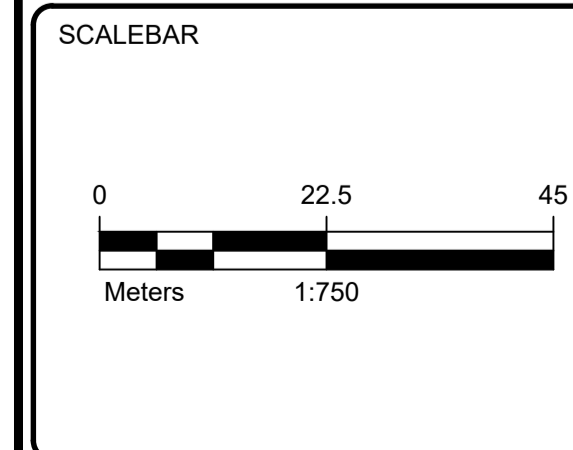
LEGEND PROPOSED SERVICES

- 160mmØ PVC-U CLASS 34 PIPELINE
- 200mmØ PVC-U CLASS 34 PIPELINE
- 355mmØ PVC-U CLASS 34 PIPELINE
- 250mmØ PVC-U CLASS 34 BULK PIPELINE
- 400mmØ PVC-U CLASS 34 BULK PIPELINE
- MANHOLE (MH)
- FOUL SEWER MANHOLE
- FOUL SEWER FLOW DIRECTION
- COVER LEVEL
- INVERT LEVEL (OUT)
- DEPTH
- INVERT LEVEL (IN)
- PIPE TO BE ABANDONED
- CONCRETE PIPE ENCASUREMENT

LEGEND EXISTING SERVICES

- SEWER PIPELINE
- STORMWATER PIPELINES
- SEWER MANHOLES
- WATER VALVES
- WATER FIRE HYDRANTS
- STORMWATER HEADWALL
- STORMWATER MANHOLE
- FIBRE TELECOMMUNICATION MANHOLES
- ROAD EDGE
- ROAD SIGNS
- POWER LINES AND STREET LIGHTS
- ELECTRICAL BOX
- ERF BOUNDARY FENCING
- ERF BOUNDARY GATES
- FIBRE SERVICES
- FLOODLIGHT

- Notes:**
- Contractor must verify location and extent of all the existing services prior to commencement of work.
 - Pipe drop across structure 50mm unless indicated otherwise.
 - Abbreviation - c/c = centre to centre
 - For typical detail of precast concrete ring type sewer manhole see drawing no. STE-R-30B
 - For typical sewer ERF connection layout see drawing no. CES/S/3
 - For typical detail of sewer drop manholes see drawing no. STE-R-32 and STE-R-11
 - Levels and position of existing sewer network to be verified before construction any discrepancies are to be liaised with the engineer immediately.
 - All main sewer pipes to be PVC-U Class 34 Heavy Duty, unless otherwise specified.
 - All sewer house connections to be 110mmØ PVC-U Class 34 Heavy Duty, unless otherwise specified.
 - Pipes to be laid on class B bedding according to SABS 1200 LB: DRAWING LB-2.
 - All house connection positions and levels must be confirmed before main sewer lines are installed.
 - All existing sewer pipelines to be abandoned and manholes broken down 500mm below ground level.
 - All abandoned manhole structures to be backfilled with suitable gravel material as approved by the Engineer.



REV	DESCRIPTION	DATE	REV BY	CHKD
A	FOR TENDER	2026-04-24	LJ	MLR

DESIGNED	LJ	2026-04
DRAWN	LJ	2026-04
CHECKED	MLR	2026-04

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APPROVED

ENGINEERS: _____

DATE: 2026-04-24

APPROVED

CLIENT: _____

DATE: _____

CLIENT

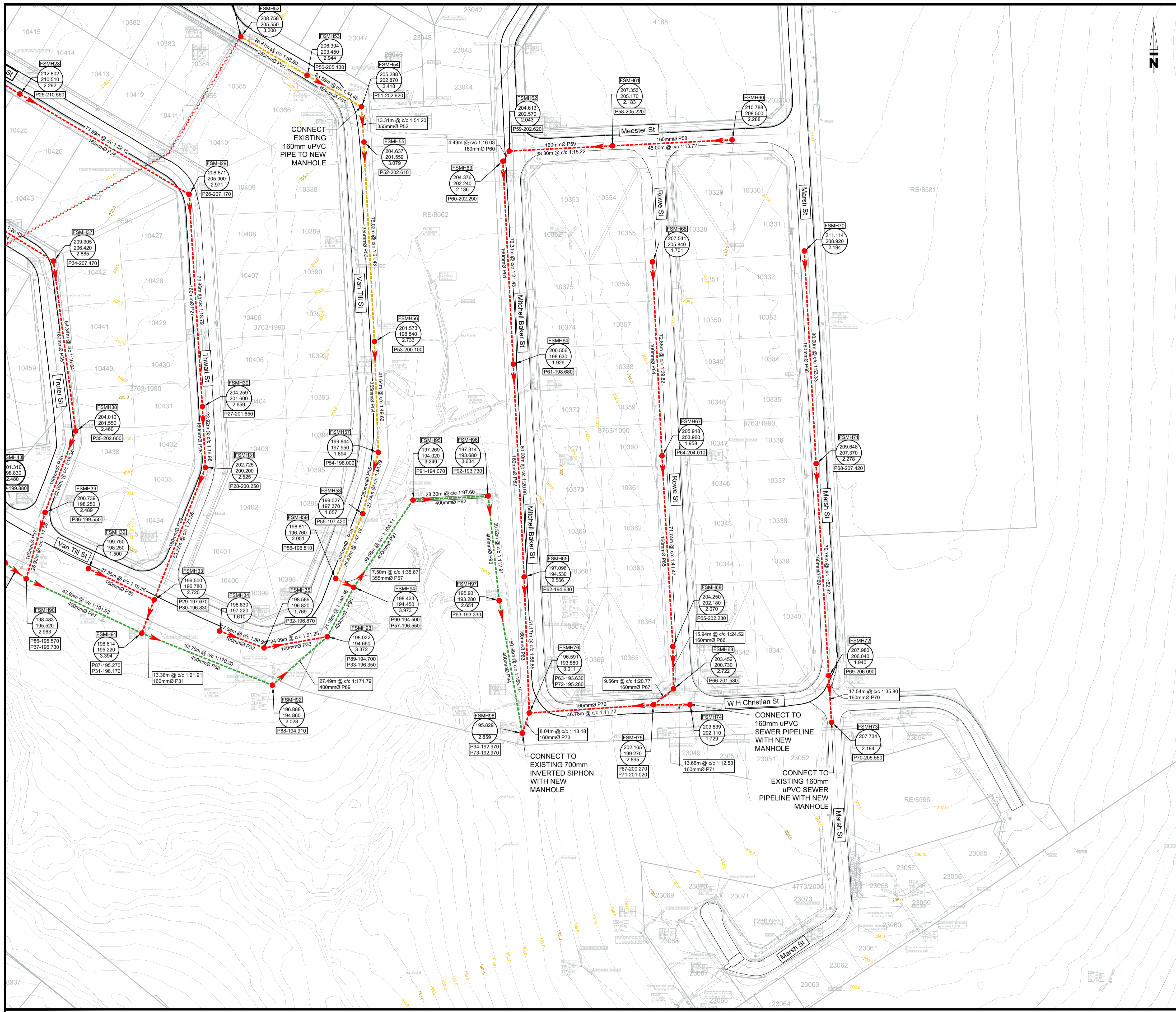
PROJECT

ROSEMOOR AREA A: STREETS, STORMWATER, SEWER AND WATER UPGRADES

TITLE

SEWER LAYOUT

SCALE	on A1	SHEET	1 OF 2
CONTRACT No.	240520CG	PROJECT No.	240520CG
DRAWING No.	24052-C-003-01	REV	A
COORDINATE SYSTEM: WGS84 / Lo23			



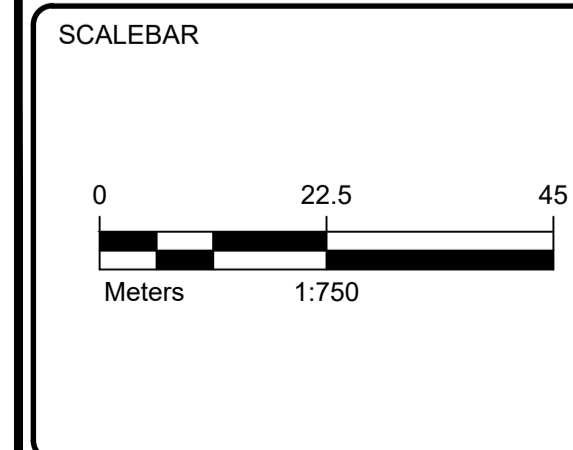
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REV	DESCRIPTION	DATE	REV BY	CHKD
A	FOR TENDER	2026-04-24	LJ	MLR

REVISIONS

DESIGNED	LJ	2026-04
DRAWN	LJ	2026-04
CHECKED	MLR	2026-04

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The reference made to Engineer will also refer to Employer's Agent for GCC 2015 or GCC 2025 Contracts where applicable.

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APPROVED

ENGINEERS: _____

DATE: 2026-04-24

APPROVED

CLIENT: _____

DATE: _____

CLIENT

PROJECT

ROSEMOOR AREA A: STREETS, STORMWATER, SEWER AND WATER UPGRADES

TITLE

SEWER LAYOUT

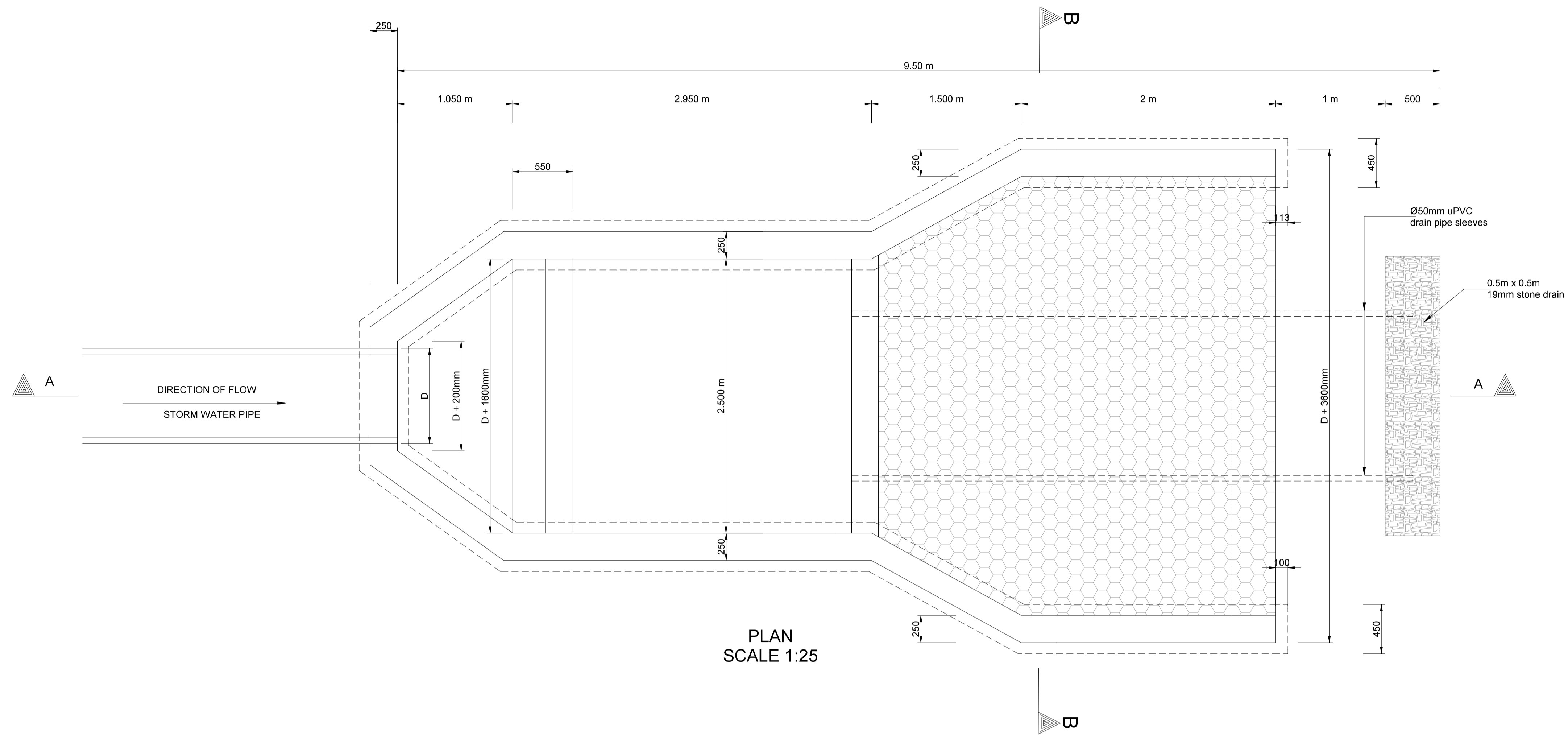
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DRAWING No.	REV
24052-C-003-02	A
COORDINATE SYSTEM: WGS84 / Lo23	

**Appendix B1 – Rosemoor Stormwater Outlet Structures
Layout and Design Drawings**

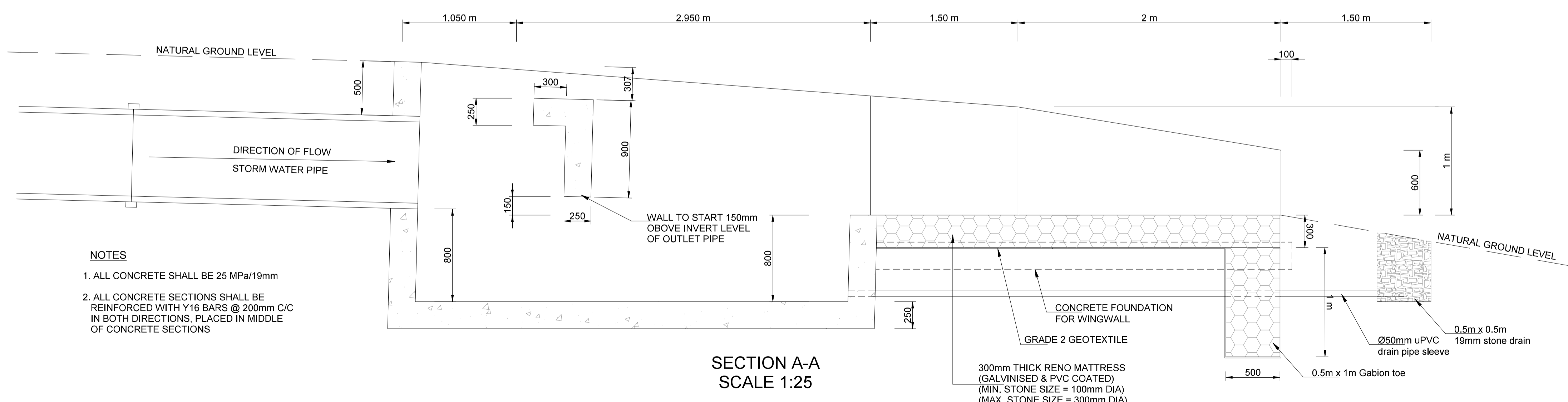
Rosemoor Stormwater Outlet Structures

Legend
● Stormwater Outlet





PLAN
SCALE 1:25



SECTION A-A
SCALE 1:25

NOTES

1. ALL CONCRETE SHALL BE 25 MPa/19mm
2. ALL CONCRETE SECTIONS SHALL BE REINFORCED WITH Y16 BARS @ 200mm C/C IN BOTH DIRECTIONS. PLACED IN MIDDLE OF CONCRETE SECTIONS

SCALEBAR


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REV	DESCRIPTION	DATE	REV BY	CHKD

DESIGNED	M&R / WO	08/2024
DRAWN	WO	08/2024
CHECKED	M&R	08/2024

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APPROVED	CLIENT REPRESENTATIVE:	SIGNATURE: _____	DATE: _____

CLIENT

TITLE

SCALE 1:25

SHEET -

CONTRACT No. -

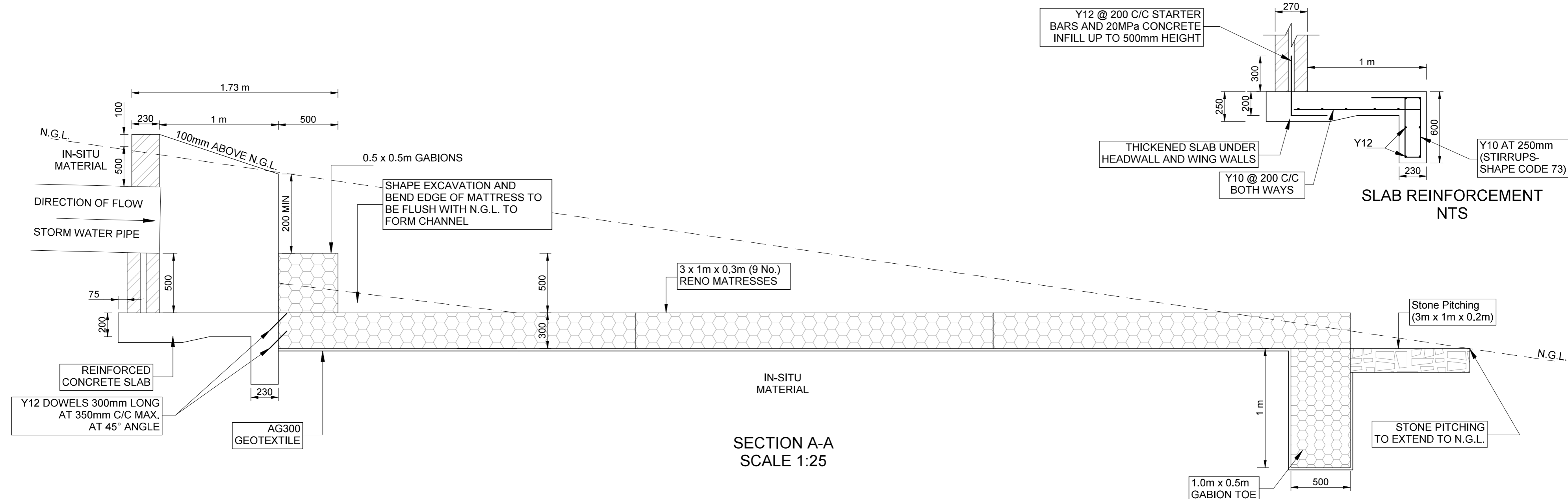
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DRAWING No. STE/SW-77E

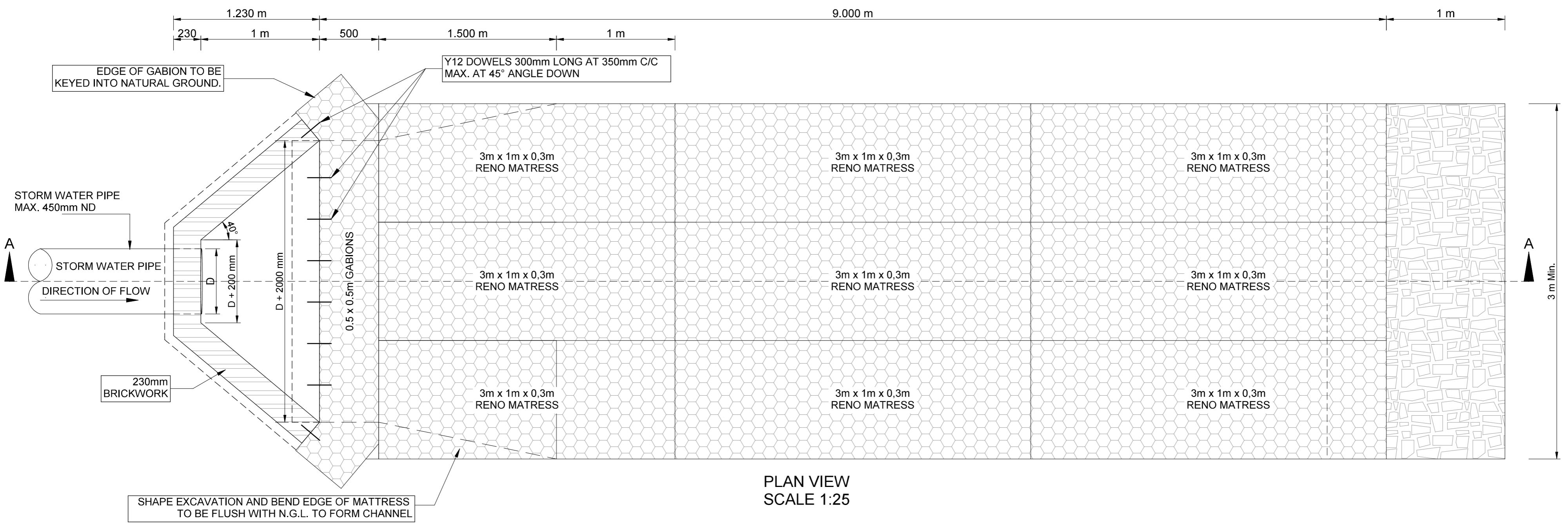
DATE OF FIRST ISSUE: -

REV

STORMWATER OUTLET DETAIL
TYPE 2



SECTION A-A
SCALE 1:25



PLAN VIEW
SCALE 1:25

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Appendix B1 – Rosemoor Sewerage By-Pass Pipeline

Rosemore Sewer

Proposed Sewer Line

Legend

 Proposed Sewer By-pass

