

1.0 Introduction

- 1.1 Manchester City Council Capital Programmes and Procurement department have prepared this submission to provide information to discharge Condition 4 relating to Planning Permission for the creation of cycling facilities at Wythenshawe Park, Wythenshawe Road, Manchester M23 0AB (Application Ref: 130542/VO/2021). The Condition is as described below:-

4. No development hereby permitted shall be first brought into use until details of the implementation, maintenance and management of the sustainable drainage scheme have been submitted to and approved by the local planning authority. The scheme shall be implemented and thereafter managed and maintained in accordance with the approved details. Those details shall include:

- *Verification report providing photographic evidence of construction as per design drawings;*
- *As built construction drawings if different from design construction drawings;*
- *Management and maintenance plan for the lifetime of the development which shall include the arrangements for adoption by any public body or statutory undertaker, or any other arrangements to secure the operation of the sustainable drainage scheme throughout its lifetime.*

2.0 Verification

2.1 Verification photos of drainage installation are below:

Pump Track / Learn-to-Ride Area

	
Photo 1: Attenuation tank.	Photo 2: Attenuation tank.
	
Photo 3: Attenuation tank.	Photo 4: Below ground pipework.
	
Photo 5: Inspection chamber.	Photo 6: Outfall.

Skills Area (North)



Photo 1: Soakaway installation.



Photo 2: Soakaway installation.



Photo 3: French Drain installation.



Photo 4: French Drain installation.



Photo 5: French Drain installation.



Photo 6: French Drain installation.

2.2 As far as could be reasonably ascertained, the below design was installed as per the approved details subject to the following amendments:

- Pump Track / Learn-to-Ride Area - Manhole S5 omitted and changed to a vertical bend to minimise excavations due to the potential for disturbing tree roots, on the basis that any maintenance can be undertaken from Manhole S4.
- Skills Area (North) – Location of soakaways and drains amended to suit topography following installation of trails and site inspection.
- Skills Trails – Trails routed to avoid existing drainage channels, therefore no requirement for path culverts.

3.0 Management and Maintenance

3.1 The drainage installations will be adopted and be maintained by Manchester City Council throughout their lifetime. Maintenance requirements are set out in the table below.

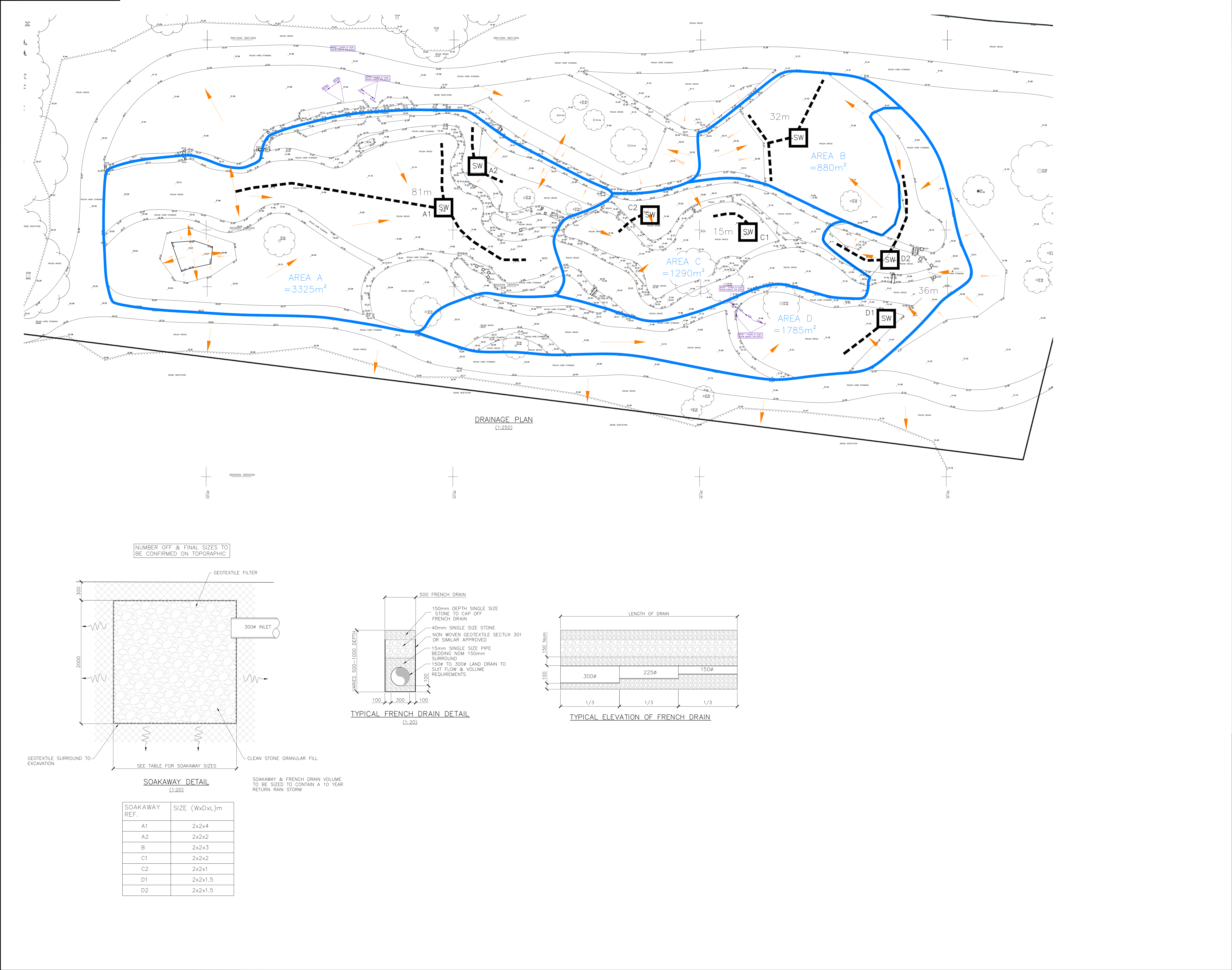
Item	Maintenance Action	Responsibility
French Drains (Skills Area North)	Ensure stone is regular raked and kept clear of debris and vegetation on an ongoing basis. Inspection of areas following periods of heavy rainfall to ensure drains are performing affectively.	Site Owner/ Operator (Manchester City Council)
Attenuation Tank (Pump Track/ Learn-to-Ride Area)	Inspection of silt build-up in manholes and clearance on a 3-month basis. Inspection and maintenance of attenuation tank in accordance with manufacturer's guidance, including removal of silt.	Site Owner/ Operator (Manchester City Council)
Outfall, Inspection Chambers and below Ground Drainage Runs (Pump Track/ Learn-to-Ride Area)	Inspection chambers and outfall to be inspected on a yearly basis; sediment build up to be removed.	Site Owner/ Operator (Manchester City Council)
General	Site to be kept free from litter, vegetation and debris on an ongoing basis to ensure no entry into the drainage system.	Site Owner/ Operator (Manchester City Council)

4.0 Appendices

Appendix A – As Built Construction Drawings

Appendix A

As-Built Drawings



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.

3. ALL CONCRETE WORK AND MATERIALS TO BE IN ACCORDANCE WITH BS EN 1992, OR BS 8110-1:1997, BS 8500:2006 PTs 1 & 2, BS EN206-1:2000

4. PRIOR TO CASTING CHECK WITH ARCHITECT'S DRAWING.

5. CONCRETE COMPRESSIVE STRENGTH C30/37.

6. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS, SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.

7. THE CONTRACTOR SHALL CONFIRM THE LOCATION AND LEVEL OF EXISTING DRAINAGE PRIOR TO COMMENCEMENT OF THE DRAINAGE WORKS.

8. EXACT LOCATIONS OF PROPOSED MANHOLES AND INSPECTION CHAMBERS TO BE DETERMINED ON SITE.

9. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING STATUTORY UNDERTAKERS APPARATUS AND SERVICE CONNECTIONS BY TRIAL PITS PRIOR TO OPENING UP FOR THE WORKS.

10. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION.

KEY:

NEW SURFACE WATER DRAIN

S1 SURFACE WATER MANHOLE

SW SOAKAWAY

FRENCH DRAIN

SURFACE WATER RUN OFF DIRECTION

FRENCH DRAIN CATCHMENT AREAS

P9	ISSUED FOR INFORMATION	JKT	PKD	MAY22
P8	ISSUED FOR INFORMATION	JKT	PKD	MAR22
P7	ISSUED FOR INFORMATION	JW	PKD	FEB22
P6	ISSUED FOR INFORMATION	JW	PKD	FEB22
P5	ISSUED FOR INFORMATION	JW	PKD	JAN22
P4	ISSUED FOR INFORMATION	JW	PKD	JAN22
P3	ISSUED FOR INFORMATION	JKT	PKD	JAN22
P2	ISSUED FOR INFORMATION	JKT	PKD	DEC21
P1	ISSUED FOR INFORMATION	JKT	PKD	DEC21
Rev	Description	Drawn	Chkd	Date

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Consulting Engineers

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Client

MANCHESTER CITY COUNCIL

Project Title

WYTHENSHAW PARK - BIKE PARK

Drawing Title

SKILLS AREA DRAINAGE DETAILS

Scale(s)

(Do not scale off this drawing work to figured dimensions)

1:250

Scalebar

Original Drawing Size A0

0 10 50 100mm

DRG No.

FS 4852 / C / 1001

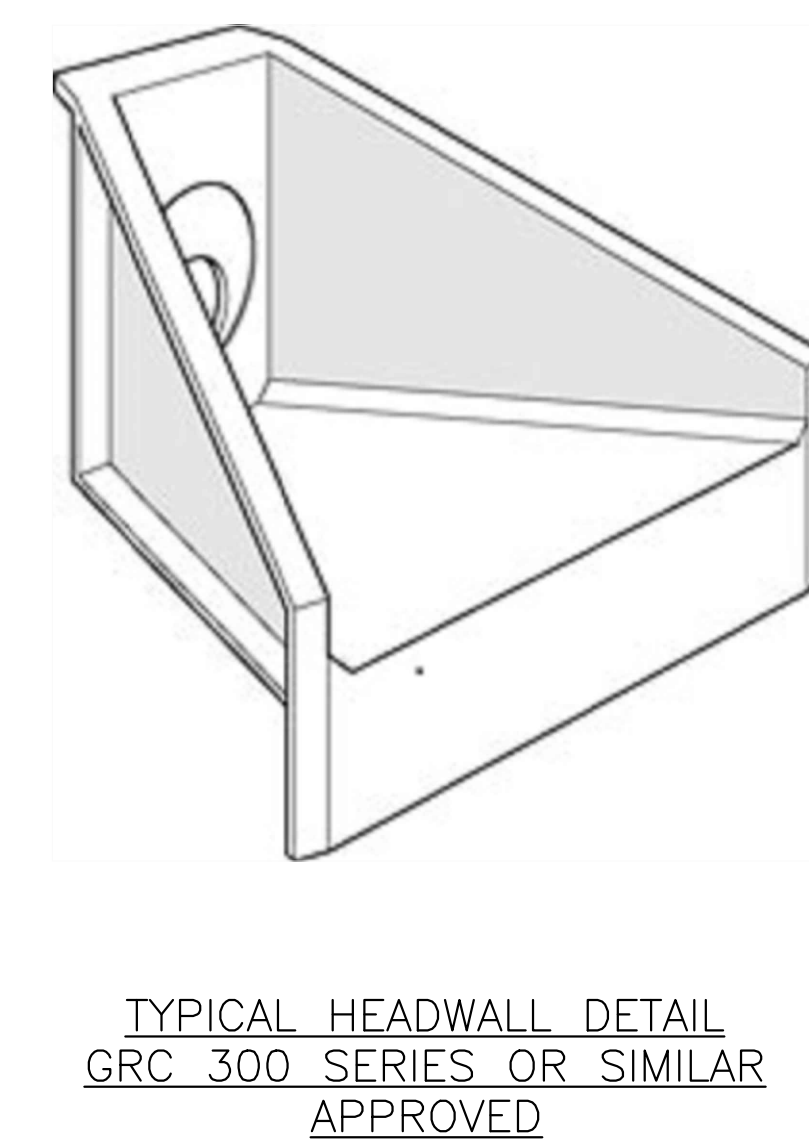
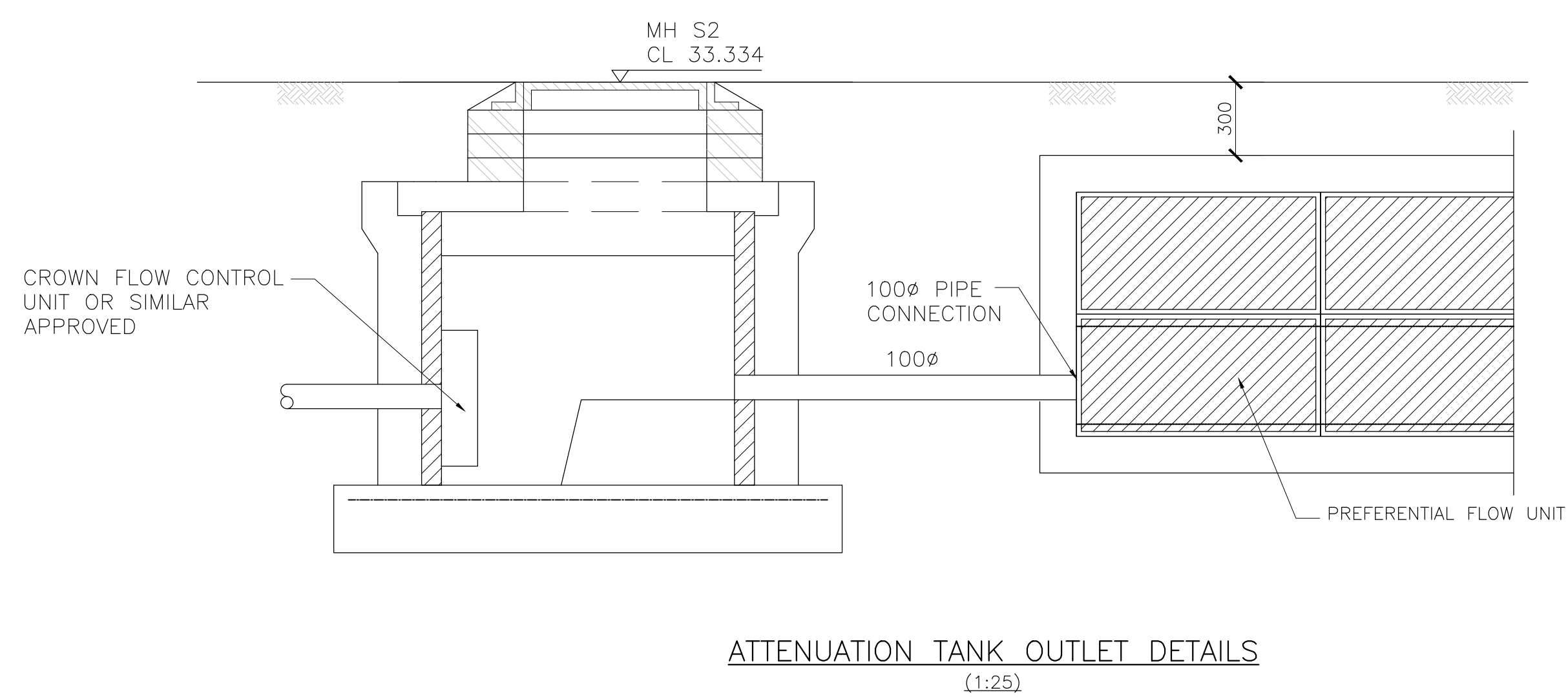
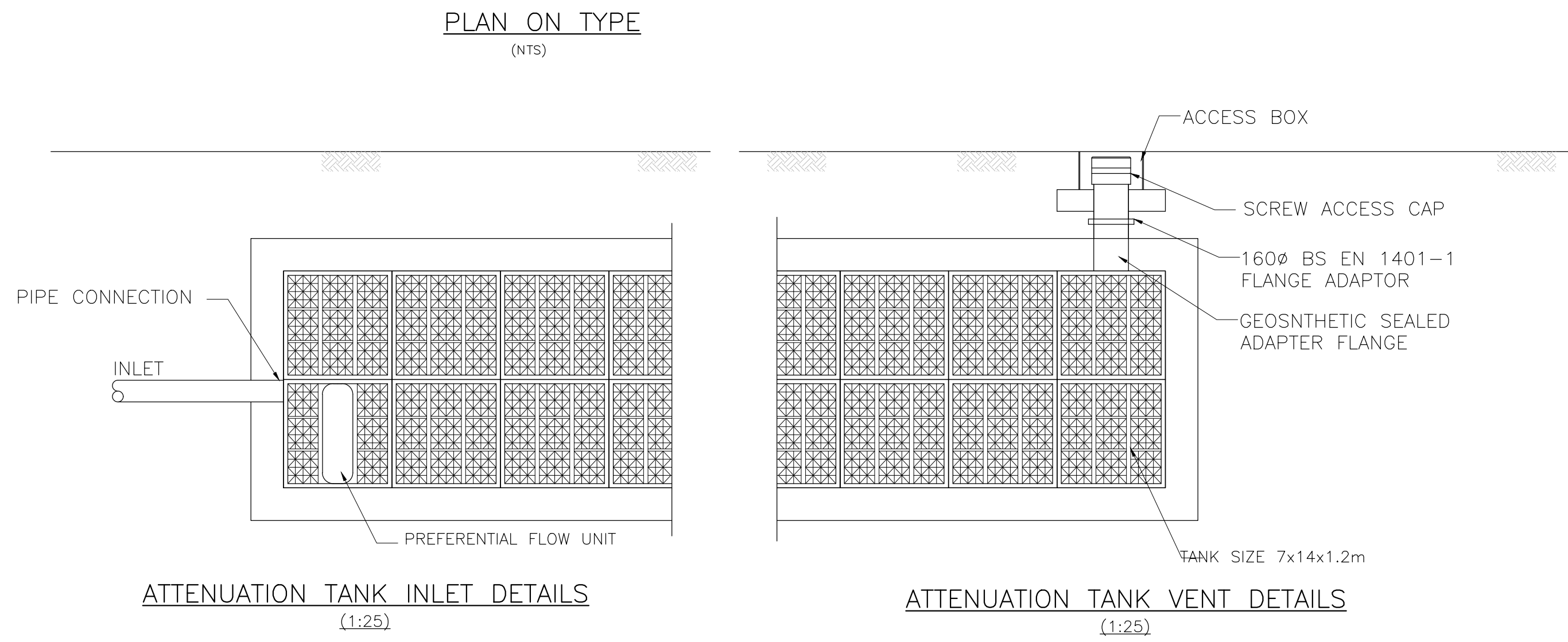
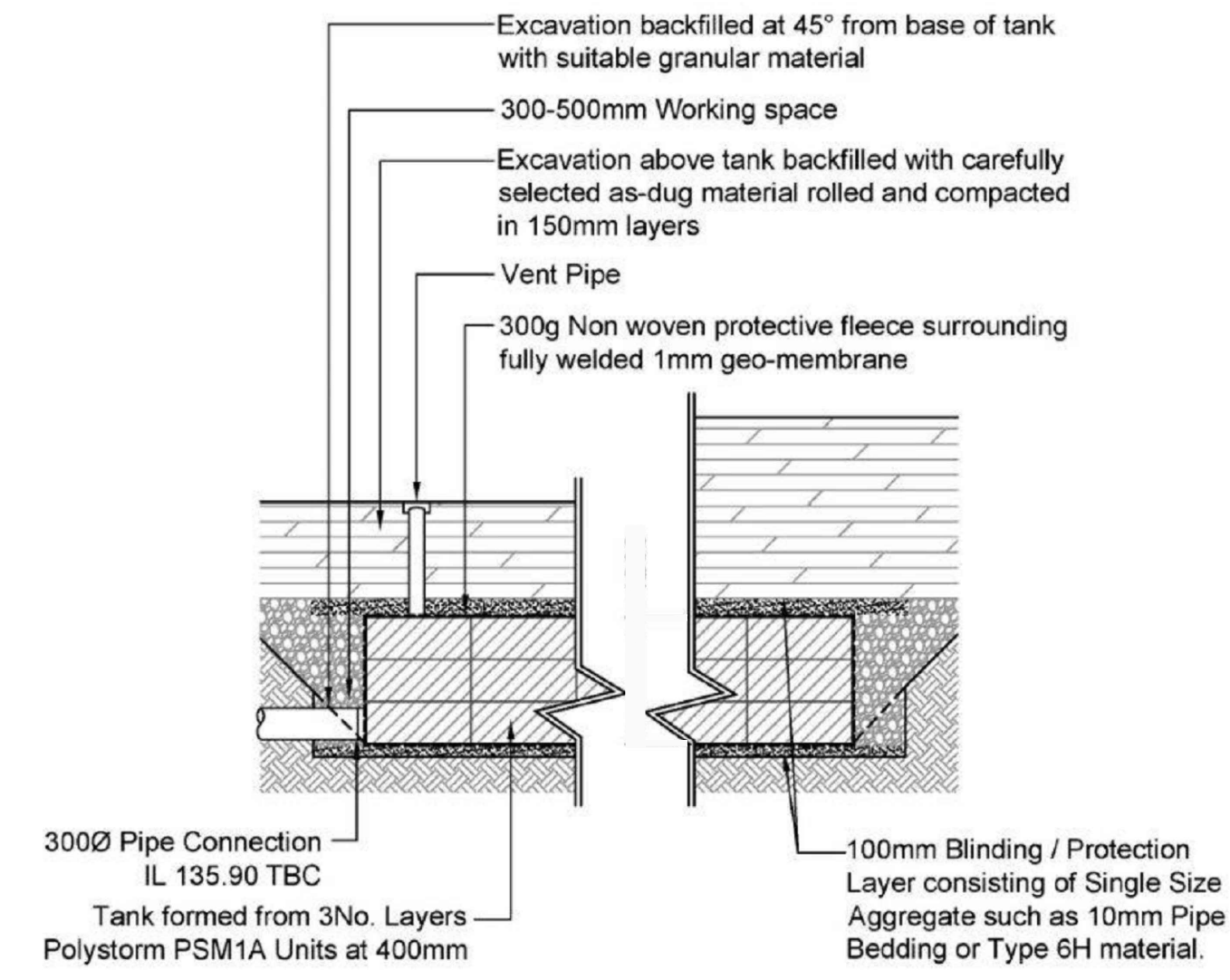
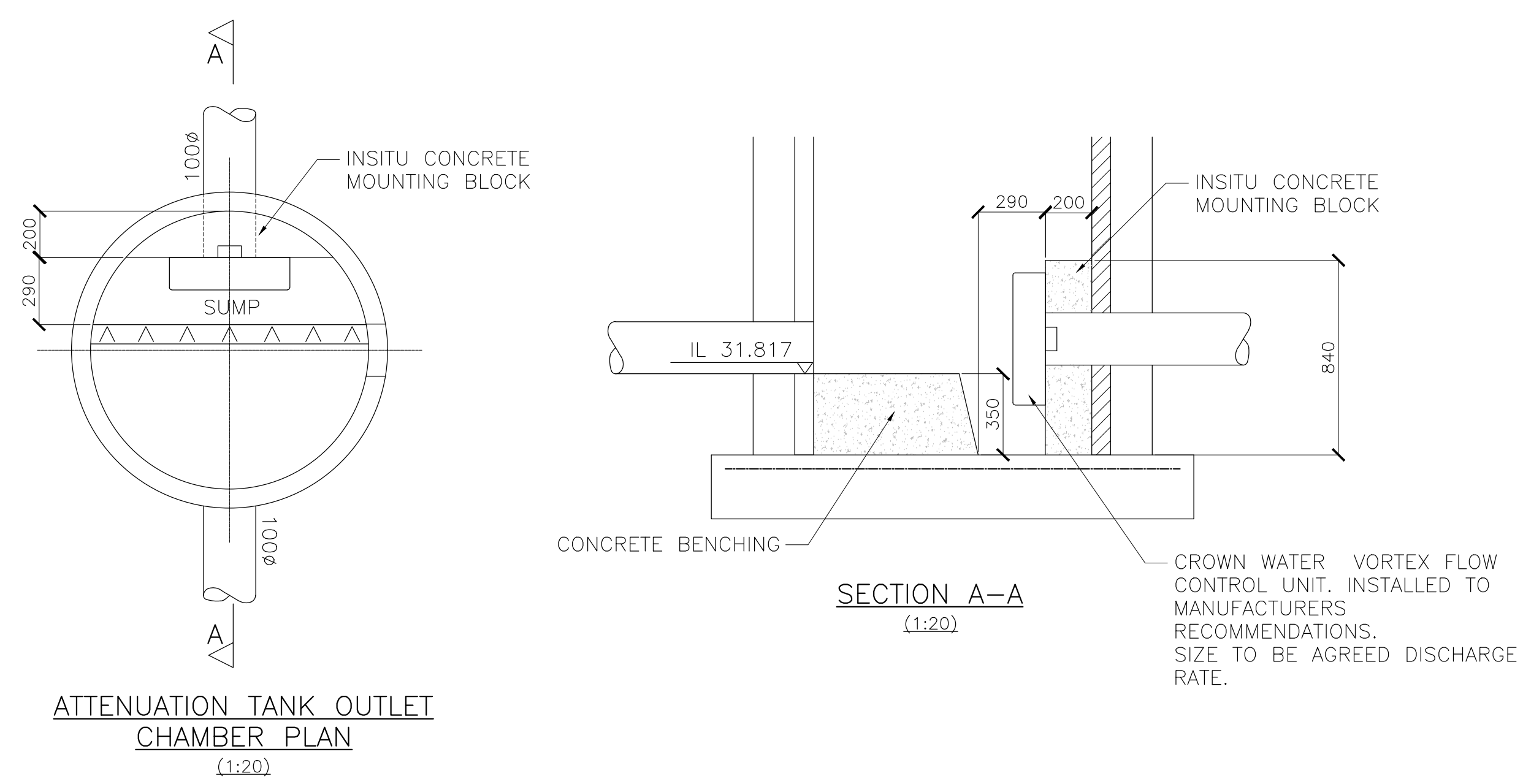
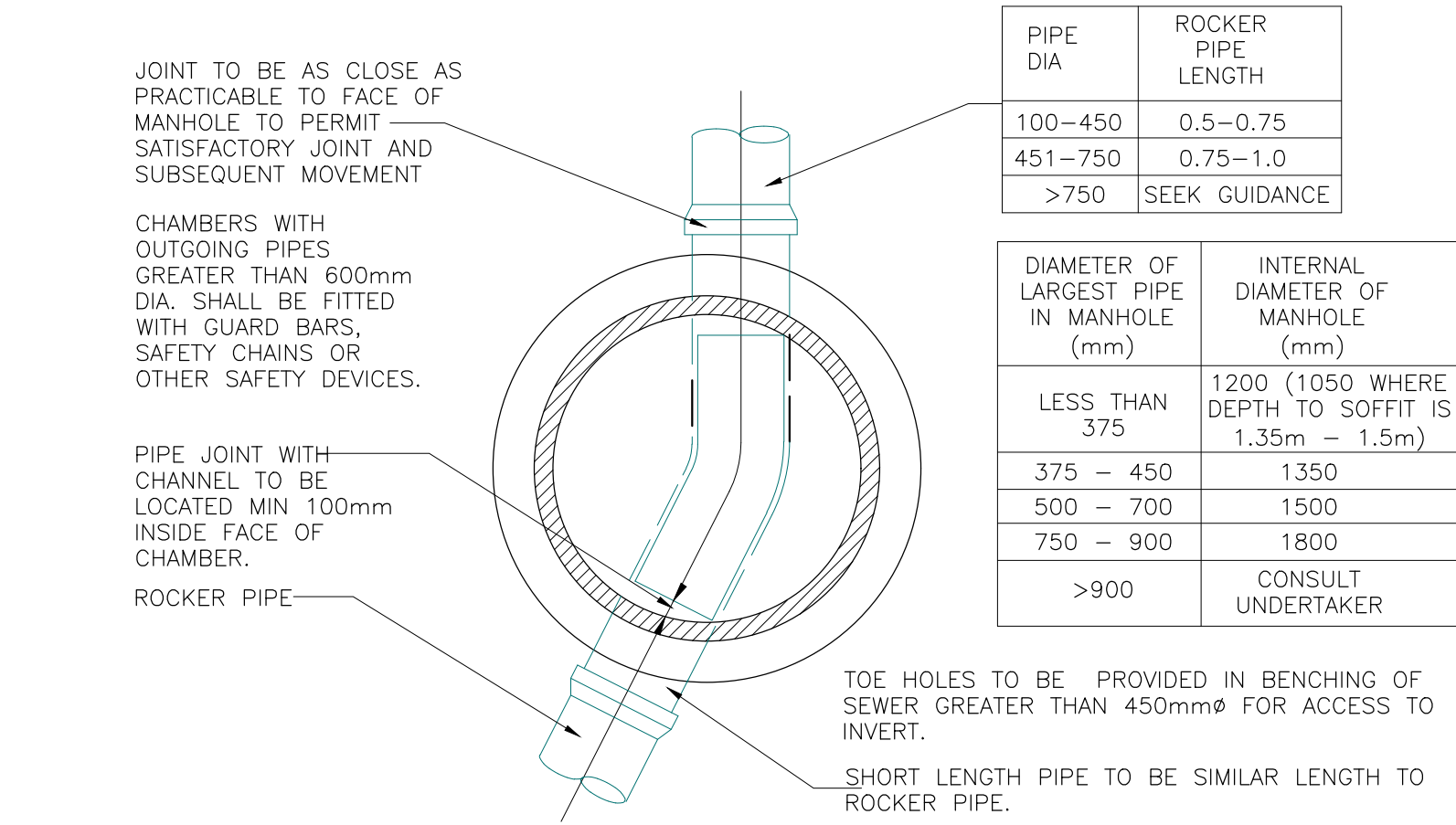
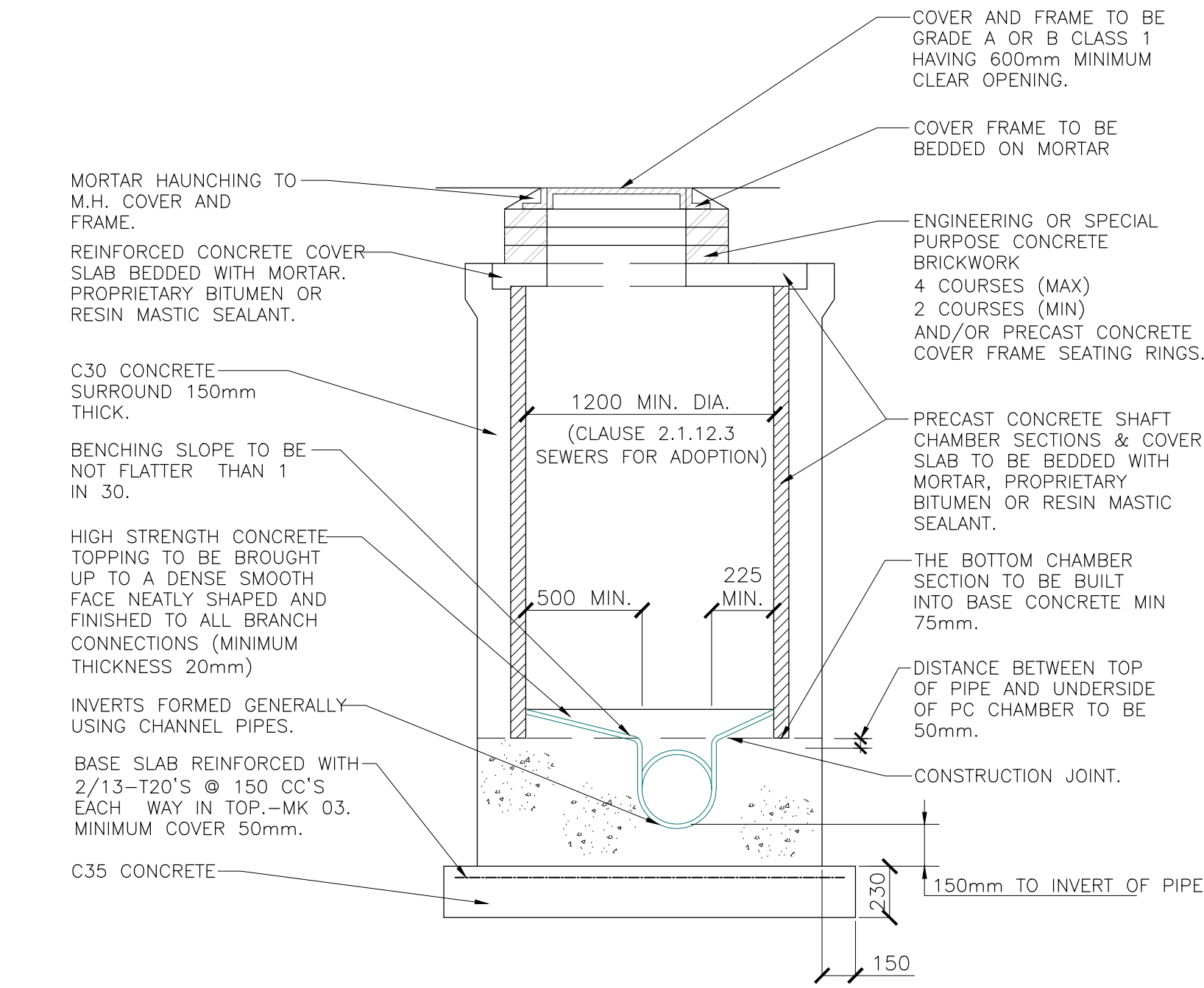
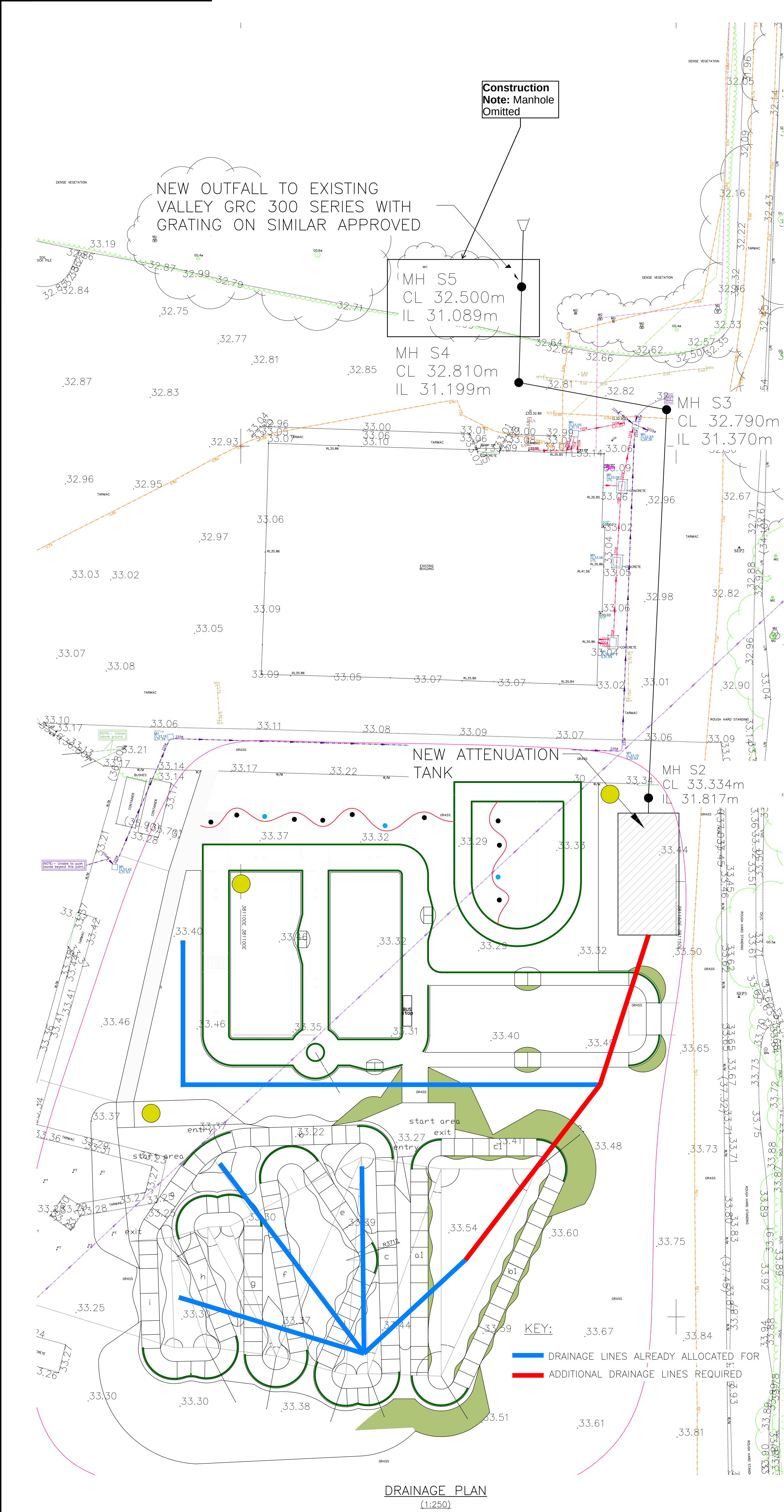
Rev.

P9

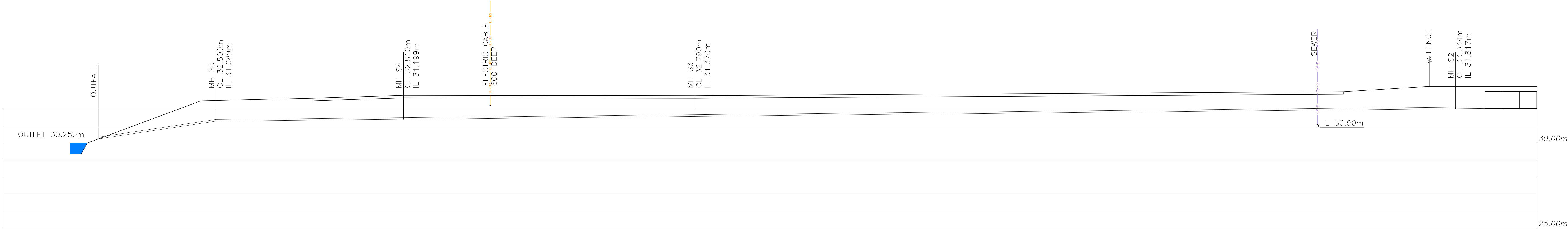
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7. THE CONTRACTOR SHALL CONFIRM THE LOCATION AND LEVEL OF EXISTING DRAINAGE PRIOR TO COMMENCEMENT OF THE DRAINAGE WORKS.
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10. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION.

KEY:

- NEW SURFACE WATER DRAIN
- SURFACE WATER MANHOLE

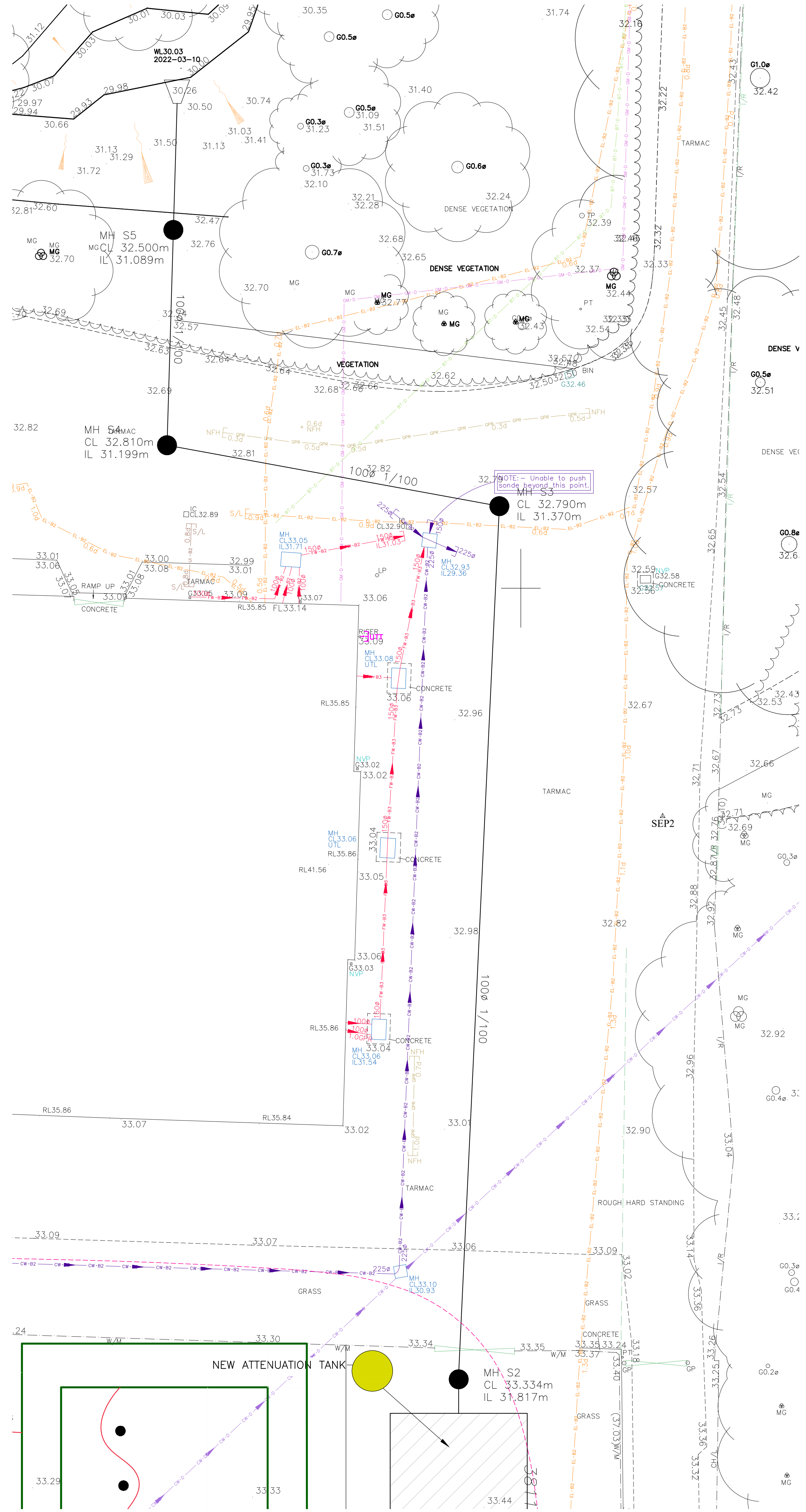


Construction Note: Manhole S5 omitted



DRAINAGE LONGITUDINAL SECTION
(1:100)

Construction Note: Manhole S5 omitted



DRAINAGE PLAN
(1:125)

- NOTES:**
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REFERENCE DRAWINGS:

20-011(08)001 - PUMP TRACK/LTR SET OUT - BY BIKE TRACK

S22720-01-03 - UTILITY SURVEY SHEET 1-3 - BY SURVEY & ENGINEERING PROJECTS

LEGEND

[illegible]

A	ISSUED FOR CONSTRUCTION	JKT	PKD	APR'22
P1	ISSUED FOR DISCUSSION	JKT	PKD	MAR'22
Rev	Description	Drawn	Chkd	Date

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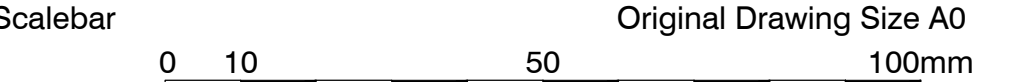
WYTHENSHAW PARK - BIKE PARK

Drawing Title

PUMP TRACK AREA DRAINAGE OUTLET

Scale(s)

(Do not scale off this drawing
work to figured dimensions)



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