

DO NOT SCALE

FOR THE AVOIDANCE OF DOUBT, NO APPROVALS, REVIEWS, COMMENTS OR INDICATION OF SATISFACTION GIVEN BY ARC ENGINEERS IN TERMS OF SUBCONTRACT DRAWINGS, PRODUCTS OR PROPOSED MATERIALS SHALL REDUCE OR EXTINGUISH THE OBLIGATION OF THE SUBCONTRACTOR OR SUPPLIER TO ADHERE TO THE SPECIFICATION, GENERAL ARRANGEMENT DRAWINGS, STATUTORY REQUIREMENTS AND GOOD WORKING PRACTICE. ARC ENGINEERS ACCEPT NO LIABILITY FOR THE SELECTION OF MATERIALS OR WORKMANSHIP IN THE EXECUTION OF THE WORKS.

GENERAL NOTES

- THESE NOTES ARE INTENDED TO AUGMENT DRAWINGS AND SPECIFICATIONS. WHERE CONFLICT OF REQUIREMENTS EXISTS THE ORDER OF PRECEDENCE SHALL BE AS SHOWN IN THE SPECIFICATIONS. OTHERWISE THE STRICTEST PROVISION SHALL GOVERN.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS.
- DRAWINGS NOT TO BE SCALED.
- ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER/ARCHITECT AND FURTHER INSTRUCTIONS OBTAINED BEFORE WORK IS COMMENCED. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETE. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE THE DIRECTION, PROCEDURE AND SEQUENCE AND ENSURE THAT THE BUILDING AND ITS COMPONENTS ARE SAFE DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY BRACING, GUTS OR TIE-DOWNS WHO MAY BE NECESSARY. SUB-STRUCTURE REMAINING THE PROPERTY OF THE CONTRACTOR UPON COMPLETION.
- ALL WORK TO COMPLY TO CURRENT BUILDING REGULATIONS AND TO BE IN ACCORDANCE WITH THE RELEVANT BRITISH STANDARDS AND APPROPRIATE CODES OF PRACTICE.
- FOR FURTHER NOTES REFER TO PROJECT SPECIFICATIONS.

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information.

Risks listed here are not exhaustive. Refer to Risk Assessment Register: 25047

Construction:



Demolition
No Unusual hazards/risks

For information relating to Use, Cleaning and Maintenance see Health & Safety File

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION



INDICATES A RESIDUAL RISK REQUIRING PROHIBITIVE ACTION



INDICATES A RESIDUAL RISK AS A WARNING

NOTE:
NEW GABION MATTRESS
HEADWALL AND CONNECTION
TO BE INSTALLED TO
EXISTING DITCH.

MHSW17
1500 dia
CL: 61.995m
IL: 60.645m
D: 1.350m

SW 1.005 450mm Ø
L: 15.937m GRAD: 1:59.4

MHSW16
1500 dia
CL: 62.095m
IL: 60.745m
D: 1.350m

GABION MATTRESS
INLET HEADWALL
IL: 59.900m

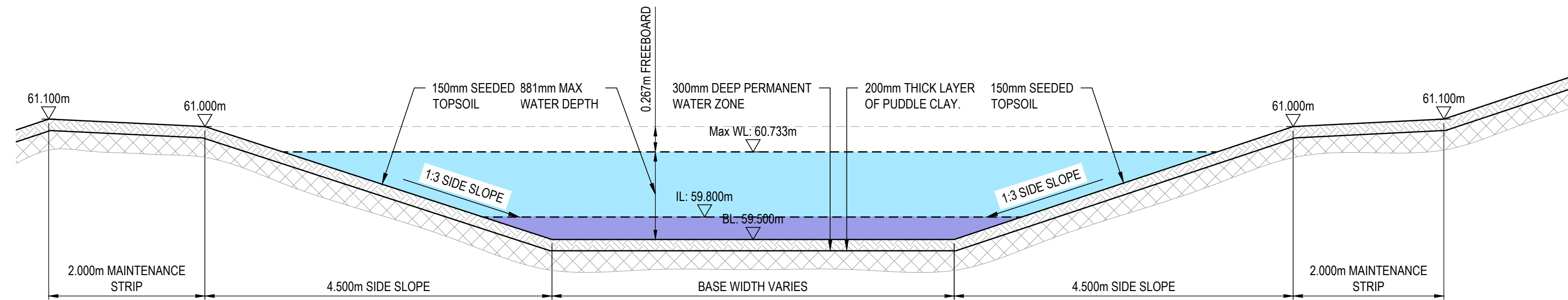
BASIN
CL: 61.000m Area: 476m²
IL: 59.800m Area: 214m²
BL: 58.500m Area: 161m²

GABION MATTRESS
OUTLET HEADWALL
IL: 59.800m

HYDROBRAKE FLOW CONTROL RESTRICTING
SURFACE WATER RUNOFF TO A PEAK RATE
OF 0.4% FOR ALL STORM EVENTS UP TO AND
INCLUDING 1 IN 100 YEAR + 40% CLIMATE
CHANGE.

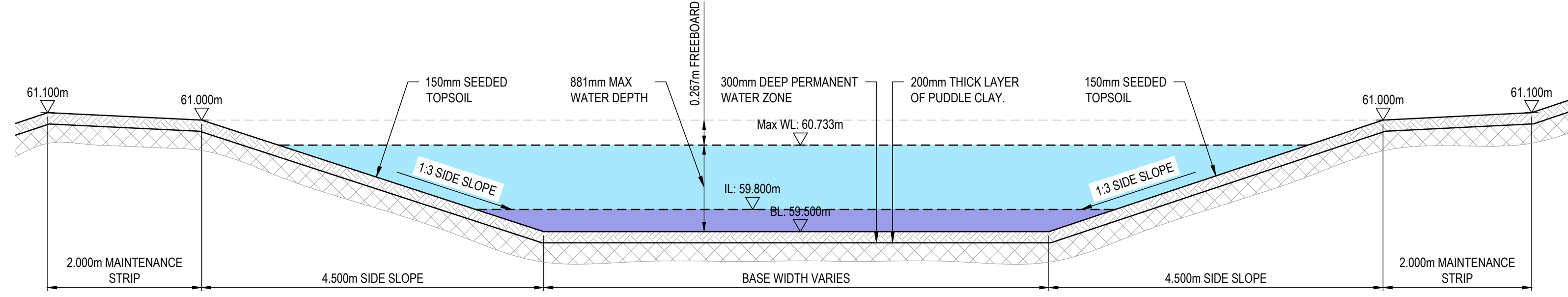
MHSW18
1800 dia
CL: 61.000m
IL: 58.975m (in)
IL: 58.925m (out)
D: 2.075m

SW 1.009 150mm Ø
L: 16.445m
GRAD: 1:59.4



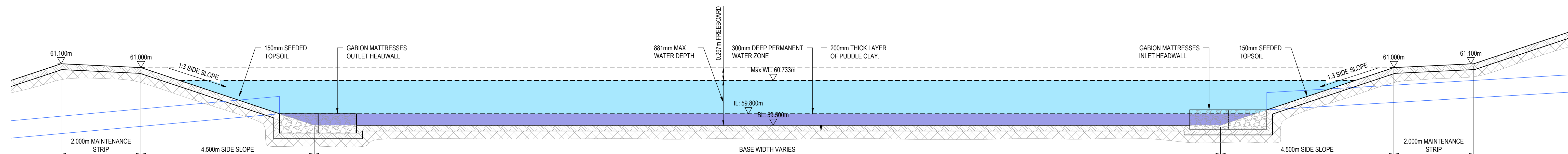
TYPICAL SECTION A-A THROUGH DETENTION BASIN.

SCALE 1:50



TYPICAL SECTION B-B THROUGH DETENTION BASIN.

SCALE 1:50



TYPICAL SECTION C-C THROUGH DETENTION BASIN.

SCALE 1:50

10	CLIENT DETAILS AMENDED	SG	MG	AR	10.09.25
14	SITE LAYOUT PLAN UPDATED SURFACE WATER DRAINAGE LAYOUT AMENDED	SG	MG	AR	02.09.25
15	INLET AND OUTLET HEADWALLS AMENDED. SECTIONS B-B AND C-C ADDED. POND LINER REPLACED WITH PUDDLE CLAY	SG	MG	AR	29.07.25
16	BASIN AMENDED TO HAVE A PERMANENT WATER ZONE	SG	MG	AR	10.07.25
17	INITIAL ISSUE	SG	MG	AR	24.06.25
REV	DETAIL	BY	CHK	APP	DATE

ArcEngineers

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CLIENT
PROPCO (WOKINGHAM) LTD

PROJECT
EVENDDONS LANE RESIDENTIAL CARE HOME, WOKINGHAM

TITLE
DETENTION BASIN DETAIL

DRAWING STATUS
PRELIMINARY

Drawn	Check	Created	Date	Approved	Date
SG		MG	28.06.25	AR	24.06.25
Project No	25047	Scale	1:50 and 1:100		

PROJECT NO. 25047 - ARC - XX - XX - DR - C - 5100 - P5

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