

ATTENUATION POND LAYOUT
1:500

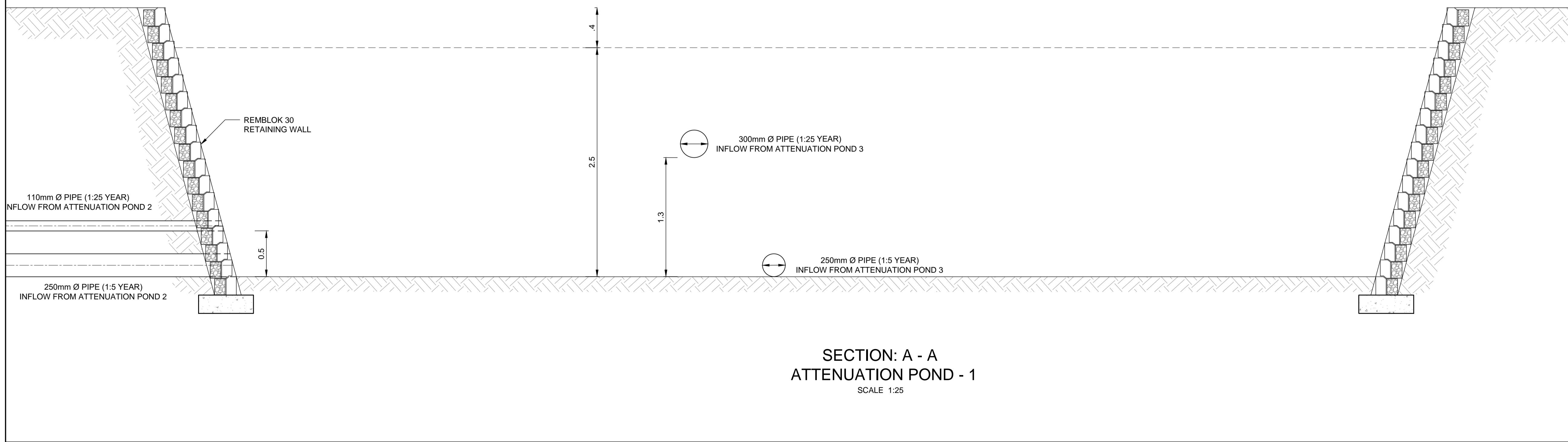
FROM DISCHARGE POINT INTO ATTENUATION BASIN, FLOW IS FROM A TO B TO C, PRIOR TO RELEASE INTO EXTERNAL SYSTEM.

A ARTIFICIAL WETLAND FOR REMOVAL OF DISSOLVED IMPURITIES. THIS SECTION WILL BE PLANTED WITH REEDS & OTHER WETLAND TYPE VEGETATION. THE ROOTS & SAND BED WILL ACT AS A FILTRATION SYSTEM TO REMOVE AT LEAST 45% OF TOTAL PHOSPHORUS & OTHER DISSOLVED IMPURITIES. A GABION WALL WILL ALLOW PERCOLATION THROUGH TO SECTION B.

B LANDSCAPED POND AREA. THIS IS A MAIN ATTENUATION AREA FOR STORM WATER QUANTITY MANAGEMENT. THIS AREA HAS BEEN DESIGNED AS A WET POND. THE OUTLET STRUCTURE THAT DISCHARGE INTO ATTENUATION POND 1.

C LANDSCAPED POND AREA. THIS IS A MAIN ATTENUATION AREA FOR STORM WATER QUANTITY MANAGEMENT. THIS AREA HAS BEEN DESIGNED AS A WET POND. THE OUTLET STRUCTURE THAT DISCHARGE INTO ATTENUATION POND 1.

D LANDSCAPED POND AREA. THIS IS A MAIN ATTENUATION AREA FOR STORM WATER QUANTITY MANAGEMENT. THIS AREA HAS BEEN DESIGNED AS A WET POND. THE OUTLET STRUCTURE WILL BE DESIGNED TO CATER FOR ATTENUATION OF THE 5 YEAR, 25 YEAR AND 25 YEAR EVENTS. WHILE THE 100 YEAR WILL FLOW OVER THE SPILLWAY WITHOUT DAMAGING ADJACENT PROPERTIES.



SECTION: A - A
ATTENUATION POND - 1
SCALE 1:25

APPROVED			
TOWN ENGINEER	TRIPLE THREE ENGINEERING		
BENCH MARKS			
BM	Y	X	Z

- GENERAL NOTES**
- THE CONTRACTOR IS TO CONFIRM ALL DIMENSIONS ON SITE AND TO REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
 - ALL WORK IS TO BE EXECUTED IN ACCORDANCE WITH THE PROVISIONS OF SANS 1200.
 - NOTE THAT NO OTHER BURIED SERVICES ARE INDICATED ON THIS DRG.
 - DIMENSIONS ARE NOT TO BE SCALED FROM THIS DRAWING.
 - THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY DIRECTED OR INDICATED.
 - THE CONTRACTOR IS REQUIRED TO MINIMISE DUST AND NOISE NUISANCE TO ALL SURROUNDING PROPERTIES.
 - A MINIMUM NOTICE PERIOD OF 24 HOURS IS REQUIRED FOR ANY INSPECTION.
 - CONTRACTOR IS TO PROVIDE A DETAILED SCHEDULE OF INFORMATION REQUIRED INDICATING ALL SUCH DATES.

LEGEND

REVISIONS

NO.	DRAWN	DATE	REVISION
B	JM	2018-05-15	SUBMIT WITH SWMR
A	JRD	2018-03-27	CONCEPT DRAWING

CLIENT INFORMATION

CONSULTING ENGINEERS

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PROJECT

ERF 15712 WELLINGTON

DESCRIPTION

STORMWATER ATTENUATION PONDS LAYOUT & DETAIL

DESIGNED CAND ENG. TECH.	JRD 201550385	SCALE	SHOWN	A1
DRAWN	JM	DATE	26-03-2018	
APPROVED PR TECH (ENG)	GLR 200070105	CONTRACT NO	323	
DRAWING NO.	323-03-02	SHEET	1 OF 2	

PROJECT STATUS

REVISION

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