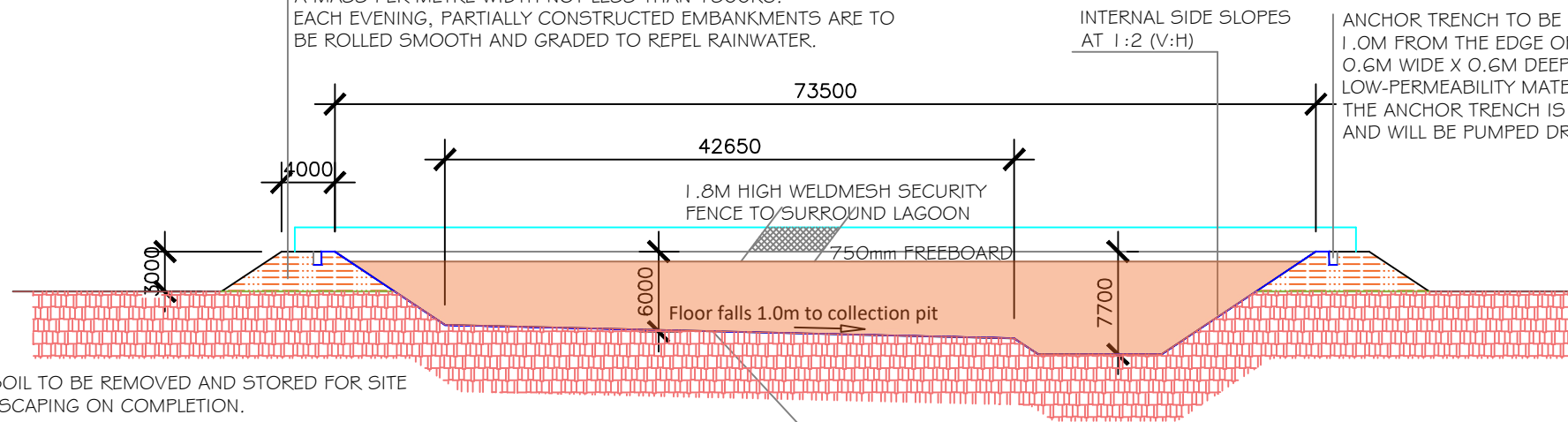


CONSTRUCTED EARTH EMBANKMENTS.
 STRUCTURAL DESIGN BASED ON SOIL PARAMETERS DETERMINED BY LABORATORY TESTS FOR CATEGORISATION, GRADING, MOISTURE CONTENT, ETC AS MAY BE DEEMED REQUIRED. MATERIAL TO BE COMPACTED IN LAYERS NOT EXCEEDING 225MM DEEP BY A MINIMUM OF 4 PASSES OF A VIBRATORY ROLLER WITH A MASS PER METRE WIDTH NOT LESS THAN 1800KG. EACH EVENING, PARTIALLY CONSTRUCTED EMBANKMENTS ARE TO BE ROLLED SMOOTH AND GRADED TO REPEL RAINWATER.



TOPSOIL TO BE REMOVED AND STORED FOR SITE LANDSCAPING ON COMPLETION.

EXTERNAL SIDE SLOPES AT 1:1.5 (V:H)
 SURPLUS MATERIAL TO BLEND LEVELS TO NATURAL CONTOURS OF THE LAND AND ACCOMMODATE GRAZING TO SECURITY FENCE LINE.

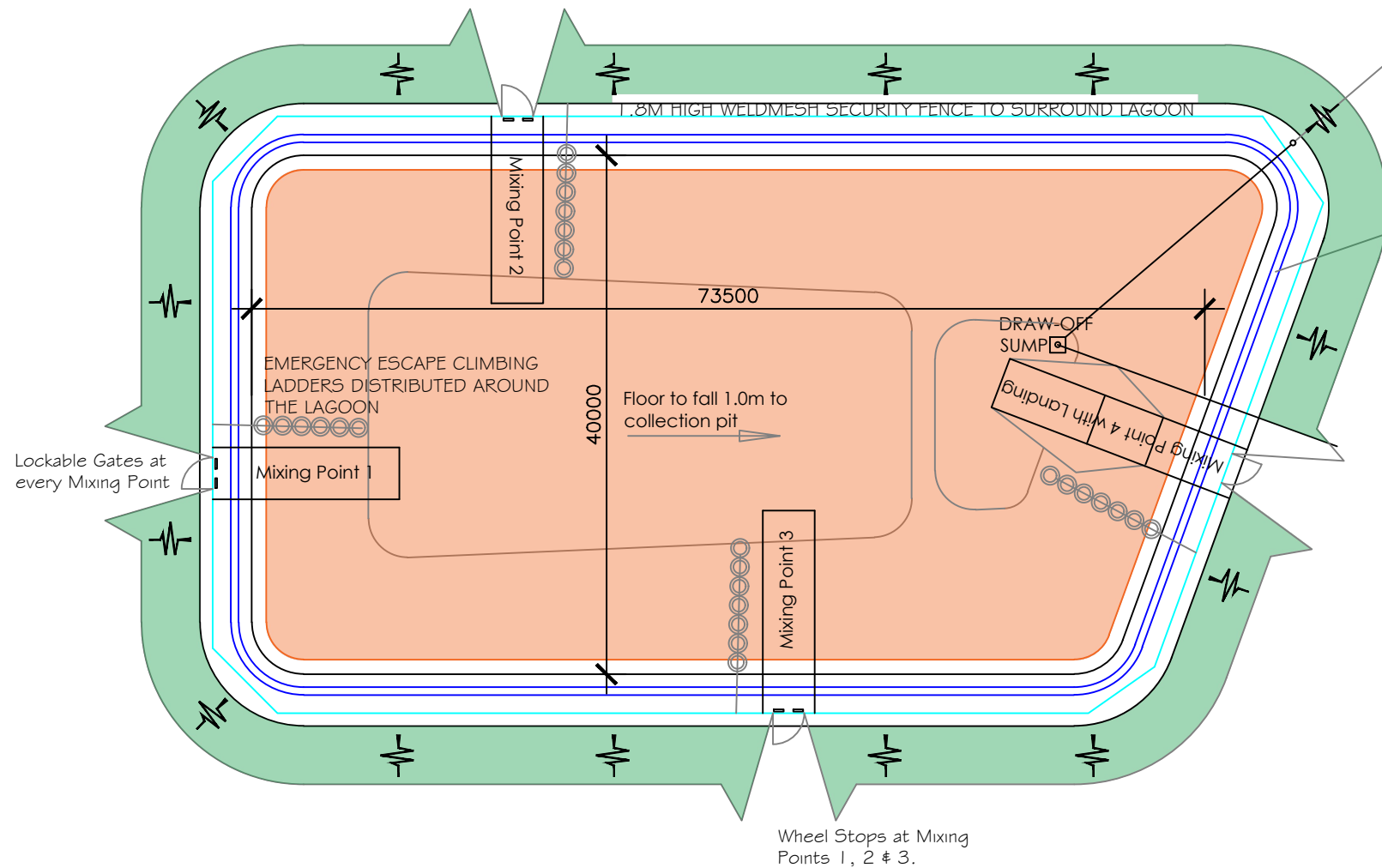
CONTINUOUSLY SEAM WELDED 2.5MM HDPE LINER ANCHORED IN TRENCH AROUND TOP OF LAGOON AND GRADED DOWN TO THE DRAW-OFF SUMP. THE SUB-GRADE WILL BE FREE FOR A DEPTH OF AT LEAST 150MM OF ANY OBJECTS THAT MIGHT PUNCTURE THE MEMBRANE. THE SUB-GRADE WILL BE FREE FROM ANY CONTAMINATION THAT MIGHT CHEMICALLY AFFECT THE SELECTED GEOMEMBRANE MATERIAL. THE SURFACE ONTO WHICH THE MEMBRANE IS TO BE LAID WILL BE SMOOTH.

NOTES

DESIGN, EXCAVATION, GROUND WATER CONTROL, EMBANKMENT CONSTRUCTION AND MATERIAL COMPACTION TO BE IN COMPLIANCE WITH BS 6031:2009 - CODE OF PRACTICE FOR EARTHWORKS.

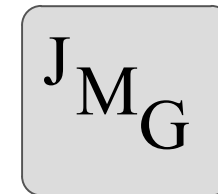
THE BEST INFORMATION AVAILABLE INDICATES THAT THERE ARE NO DEEP DRAINS WITHIN 1.0M OF THE LAGOON STORE

LAGOON INTERNAL DIMENSIONS - 75.5m X 40m X 6.0m DEEP
 INTERNAL SIDE SLOPES - 1:1.5
 FREEBOARD - 0.75M
 VOLUMES -
 GROSS 12,160 M3
 NET 10,000 M3 (2.2M GALLONS)



LEAK DETECTION AND SAMPLING POINT
 A SAMPLING JAR ON A RETRACTABLE ROD TO RECOVER SAMPLES FROM THE GROUND WATER COLLECTION CHAMBER BESIDE THE DRAW-OFF SUMP.
 150MM Ø SEWER PIPE AND SEALING CAP ON THE EMBANKMENT CREST OUTSIDE THE FENCE LINE.

ANCHOR TRENCH TO BE A MINIMUM OF 1.0M FROM THE EDGE OF THE LAGOON. 0.6M WIDE X 0.6M DEEP AND FILLED WITH LOW-PERMEABILITY MATERIAL.



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Project: LINED LAGOON CONSTRUCTION	Project No.: 179	Date: DEC 2021	Scale: 1:500
Client: TRIMMS GREEN, SAWBRIDGEWORTH CM21 0LX	Drawing No.: 128 - 179 - 01	Rev:	
Drawing Title: PLAN & SECTION - CELL 1		The copyright of this drawing remains the property of PG Quinn Limited and may not be copied, reproduced, retained or disclosed to any unauthorised person or entity without written permission.	