

- EXTENT OF PROPOSED 1.3m HIGH PAV2 CONCRETE WALL, 200mm THICK
- EXTENT OF PROPOSED DEVELOPMENT
- EXTENT OF PROPOSED PAV2 CONCRETE SLAB 300mm THICK
- EXTENT OF PROPOSED MOT TYPE 1 GRAVEL 300mm THICK
- EXTENT OF EXISTING CONCRETE SLAB TO REMAIN
- EXTENT OF EXISTING CONCRETE WALLS/UPSTANDS
- 100mm DIA PERFORATED UPVC FILTER DRAIN 1.00m Depth to Invert
- 150mm ACO CHANNEL 1.00m Depth to Invert (To be cast into concrete bund wall)

SECONDARY CONTAINMENT LAGOON
 AVAILABLE AREA IN FLOODING LAGOON: 2072m²
 DEPTH AVAILABLE IN FLOODING LAGOON: 1.0m
 MAX. TANK VOLUME REQUIRED: 1599m³
 MIN. STORAGE VOLUME REQUIRED: 1759m³
 STORAGE VOLUME PROVIDED: 2072m³*
 *Excludes 300mm Freeboard
 Note: CIRIA 738 Section 4.21

AREAS OF PROPOSED HARDSTANDING
 AREA OF GRAVEL HANDSTANDING: 928m²
 AREA OF CONCRETE SLAB: 805m²
 AREA OF RAMP ACCESS: 96m²

SLAB SURFACE TO BE WIRE BRUSHED MHWS. CONCRETE TO BE FLOATED 100mm EITHER SIDE OF FORMED JOINTS TO PREVENT FORMATION OF RS.

Tank Jetting Protection Shroud Barrier To be installed along this perimeter of tank. Refer to detail on dwg HCE-1498-103
 MIN. JETTING DISTANCE REQUIRED=6.40m (BASED ON MAX. FILL LEVEL OF +7.40m AND BUND HEIGHT OF 1.00m)
 Note: Jetting distance based on CIRIA 598

Services/ Valves to be relocated outside Proposed Bund Wall. Valve Chambers to be double sealed & greased covers and gratings

Sump with Float Valve and Pump connected to Buffer Tank 1900mm length x 1600mm width x 1800mm depth

Existing Borehole Inspection Chambers inside proposed works perimeter to be double sealed & greased covers and gratings

Sump with Float Valve and Pump connected to Buffer Tank 1900mm length x 1600mm width x 1800mm depth

1:2 REINFORCED SLOPE TO EXISTING

1:2 REINFORCED SLOPE

SCHEME PLAN
1:200

R02	06/07/2022	LC	REVISED ANNOTATION	IH	IH
R01	05/07/2022	SC	First Issue	IH	IH
REV	DATE	BY	DESCRIPTION	CHK	APPD

DRAWING STATUS:

HCE

HCE Limited
 Canolfan Gorsseion Centre
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 Gorsseion
 SA4 4QN

Civil Engineering
 Structural Engineering
 Structural Surveys
 Project Management
 Petrochemical

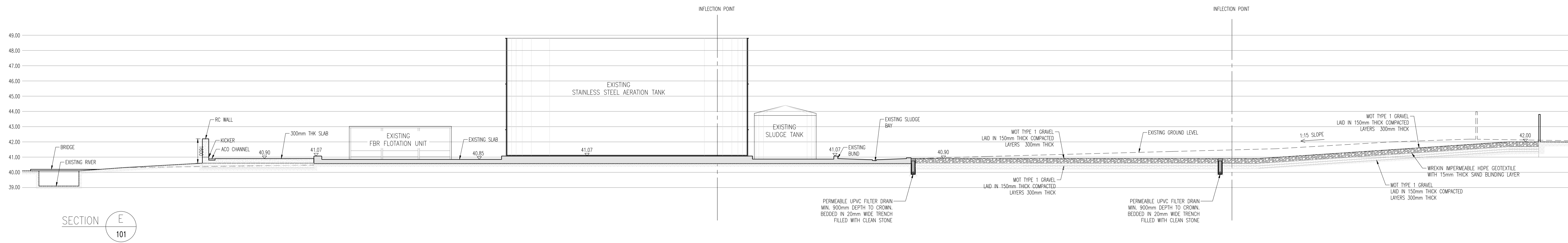
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CLIENT: DAIRY PARTNERS LIMITED

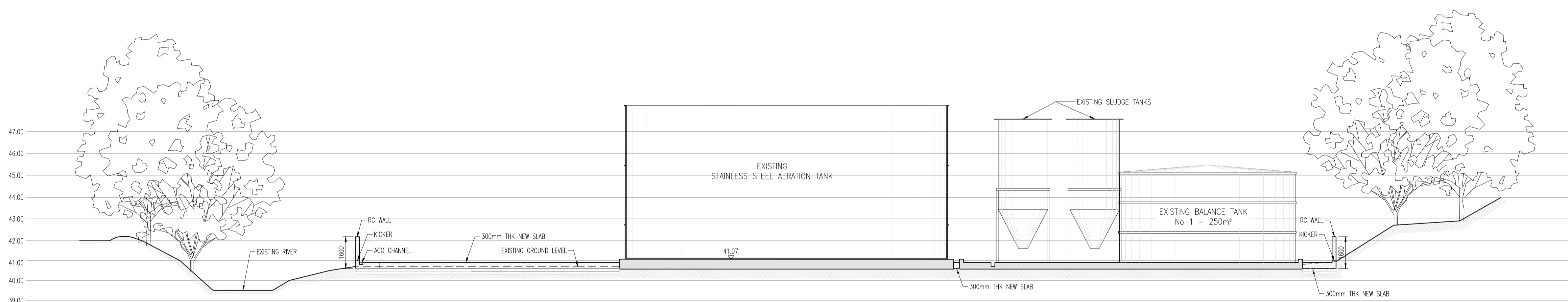
ARCHITECT:

PROJECT: EFFLUENT TREATMENT PLANT
 THE CREAMERY
 NEWCASTLE EMLYN
 TITLE: PROPOSED SECONDARY CONTAINMENT LAGOON GA PLAN LAYOUT

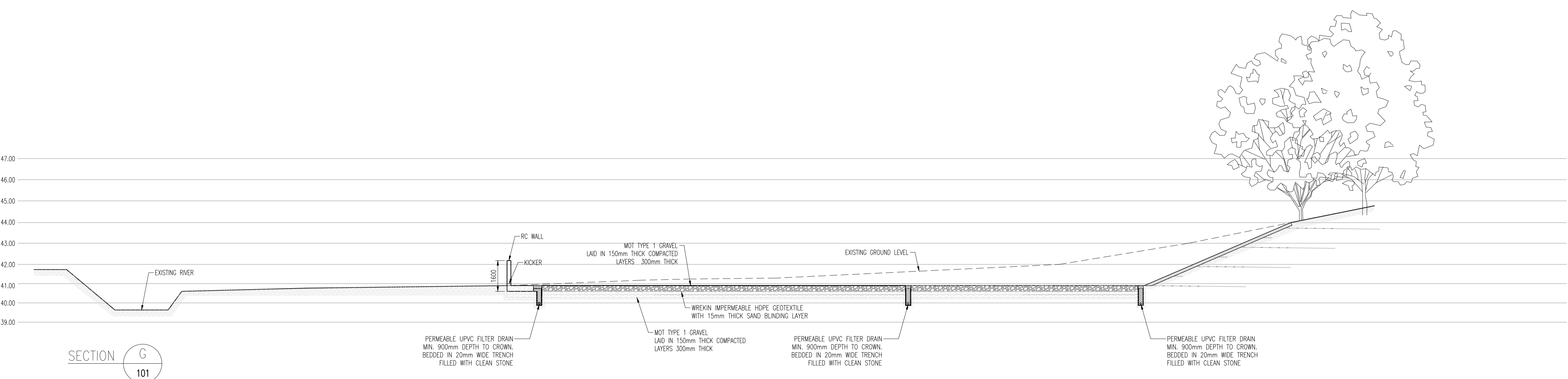
SCALE @ A1:	1:200	CHECKED:	IH	APPROVED:	IH
CAD FILE:	HCE-1498-100	DESIGN DRAWN:	SC	DATE:	MAY 2022
PROJECT No:	1498	DRAWING No:	101	REV:	R02



SECTION E
101



SECTION F
101



SECTION G
101

REV	DATE	BY	DESCRIPTION	CHK	APPD
R02	06/07/2022	LC	REVISED ANNOTATIONS	IH	IH
R01	05/07/2022	SC	First Issue	NAW	IH

DRAWING STATUS:

HCE

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Structural Engineering
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CLIENT: DAIRY PARTNERS LIMITED

ARCHITECT:

PROJECT: EFFLUENT TREATMENT PLANT
THE CREAMERY
NEWCASTLE EMLYN

TITLE: LONGITUDINAL SECTIONS
E-E, F-F, G-G

SCALE @ A1:	CHECKED:	APPROVED:
1:125	NAW	IH
CAD FILE:	DESIGN DRAWN:	DATE:
HCE-1498-100	LC	MAY 2022

PROJECT No:	DRAWING No:	REV:
1498	108	R02

