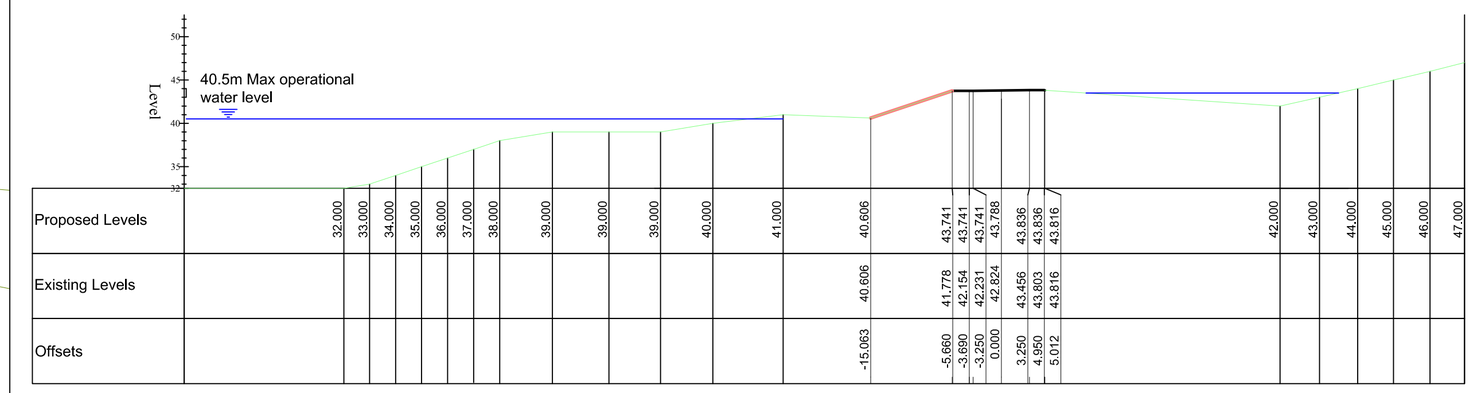
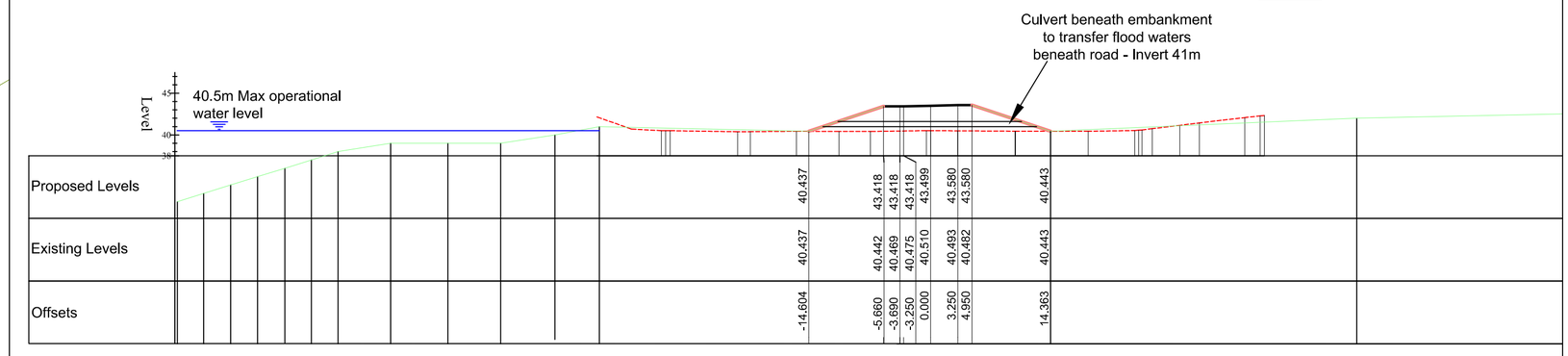


Chainage 700.000

SECTION A - A

(1:500)



Chainage 800.000

SECTION B - B

(1:500)

EXISTING GROUND PROFILE

PROPOSED LEVELS

EXISTING GROUND PROFILE

PROPOSED RESTORATION CONTOURS

ROAD CATCHMENT AREA = 1878m²

ROAD OUTFALL 1 - CH -300
Bradwell Lagoon.

BRADWELL LAGOON

HIGH POINT CH 250 OF ROAD

ROAD CATCHMENT AREA = 2636m²

LOW POINT CH 550 OF ROAD

ROAD OUTFALL 2 - New field Lagoon. Pipe Invert Level 41.0m

CH 600

ROAD CATCHMENT AREA = 1926m²

ROAD OUTFALL 3 - New field Lagoon. Pipe Invert Level 41.0m

Approximate Area of secondary Flood water (at 41m)

Proposed gravity emergency overflow at 41m. The overflow weir distributes the water to the Eastern side of the access road and then the water flows to the Western side via the culverts under the access road. The culvert pipes are 600mm Dia. and are situated every 50m.

Across New Field the access road is constructed on a granular starter layer with culverts running beneath the access road at 50m centres.

CH 1080

NEW FIELD LAGOON
(Maximum Operational water level 40.5m AOD)

ROAD CATCHMENT AREA =2152m²

SHEEPCOTES LAGOON

ROAD OUTFALL 4 - Upper Lagoon. Pipe Invert Level 33.0m.

UPPER LAGOON

CH 1190

Pulp Plant

MRF

MBT

AD

CHP

WWTP

Proposed location of IWMF building.

For details of pumping main layout please refer to drawing 01 . For details of the pumping chambers, intakes and outlets at each lagoon please refer to drawings 09 and 11.

0 20 40 60 80m 120 160 200

Metres
1:2000

0	IMR	DP	July 16	As drawing 008: Rev 4
Revision	By	Chk'd By	Date	Comments

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Site
RIVENHALL AIRFIELD

Project
RIVER BLACKWATER ABSTRACTION

Drawing Title
NEW FIELD LAGOON
STORM WATER MANAGEMENT

Scale	Date
1:1000 @ A1	AUGUST 2015

Drawing Number	Revision
108	0

DRAFT

405.00907.00004.07.108.0 - New Field Lagoon Storm Water Management.dwg