DIVERSION CHANNEL CREATED DURING PHASE 1A OF WORKS.

CHANNEL TO BE OPTIMISED IN LINE WITH '21185-MET-DR-003' AS PART OF PHASE 1

DIMENSIONS: 1.5m (TOP WIDTH) - 0.6m (BASE WIDTH) - 0.15m(MAX DEPTH) - 1:3 SIDES SLOPE
PROPOSED FLOW RATE = ~140 l/s

EXISTING GULLY AND OUTLET TO BE REPLACED. INVERT LEVEL AND CONNECTION POINT TO REMAIN AS EXISTING. REFER TO '21185-MET-HGN-DR-004'.

INLET POINT CREATED DURING PHASE 1A.

RECTANGULAR INLET CHANNEL TO BE CONSTRUCTED IN LINE WITH '21185-MET-HGN-DR-003'.

EROSION PROTECTION, TO BE CONSTRUCTED AS PART OF PHASE 1.

REFER TO DETAIL - '21185-MET-HGN-DR-003' DRAWING.

EXCAVATE 300mm BASE
REMOVE LOOSE STONES

EDGE OF MARKED FOOTBALL FIELD

BASIN 1 CONSTRUCTED DURING PHASE 1A OF THE WORKS

TO BE CONFIRMED ON SITE IF ADDITIONAL EXCAVATION REQUIRED TO REACH A MAXIMUM BASIN DEPTH OF 450mm

EXISTING LAND DRAIN, INDICATED AS 'POSSIBLE CABLE/PIPE' TO BE CONFIRMED ON SITE AS REQUIRED (I.E. TRIAL PIT).

PREFERENTIAL 50mm DEEP SPILLWAY ROUTE ON THE WESTERN SIDE OF PROPOSED MOUND.

VEGETATED BAG HEADWALL TO BE INSTALLED IN LINE WITH MANUFACTURER'S SPECIFICATION.

150mm DIAMETER OVERFLOW CONCRETE PIPE.

MINIMUM 350mm COVER TO BE PROVIDED, REFER TO '21185-MET-HGN-DR-004'.

FLOW RATE = ~25 l/s

PROPOSED BASIN 2 (38.45m MINIMUM TOP OF BUND LEVEL) - DIMENSIONS: 560m^2 (BASE) x 0.30m (MINIMUM DEPTH) = ~235m^3

EXCAVATION VOLUME BASED ON 3D MODEL = ~235m^3
REFER TO CUT AND FILL PLAN - '21185-MET-HGN-DR-002'.

REFER TO TYPICAL SECTION THROUGH THE BASIN - '21185-MET-HGN-DR-003'.

EXISTING PARK FENCE LINE.

EXISTING GULLY AND OUTLET TO BE REPLACED. INVERT LEVEL AND CONNECTION POINT TO REMAIN AS EXISTING.

150mm DIAMETER, 23m LONG PVC OUTLET PIPE FROM BASIN 1 CONNECTED TO EXISTING CATCHPIT (IL= 37.80m), AS PART OF PHASE 1A.

PIPE TO BE REINSTATED AT THE INVERT OF THE BASIN, IF FURTHER EXCAVATION IS COMPLETED DURING PHASE 1. FLOW RATE = ~26 l/s

REFER TO DETAIL - '21185-MET-HGN-DR-004' DRAWING.

EXISTING INSPECTION CHAMBER TO BE REPLACED. INVERT LEVELS OF INLET/OUTLET PIPES AND CONNECTION POINT TO REMAIN AS EXISTING.

EXISTING GULLY AND OUTLET TO BE REPLACED. INVERT LEVEL AND CONNECTION POINT TO REMAIN AS EXISTING.

AREA OF RAISED FOOTPATH 300mm ALIGNED WITH BUND.SLOPE 1:20 ON EACH APPROACH

EXCAVATE 300mm BASE
REMOVE LOOSE STONES

EXTEND POND

USE OF EXISTING ASSET TO BE CONFIRMED ON SITE. NO MATERIAL TO BE STOCKPILED ABOVE IT, IF ABOVE GROUND AND NOT REDUNDANT.

VEGETATED BAGS HEADWALL TO BE INSTALLED IN LINE WITH MANUFACTURER'S SPECIFICATION.

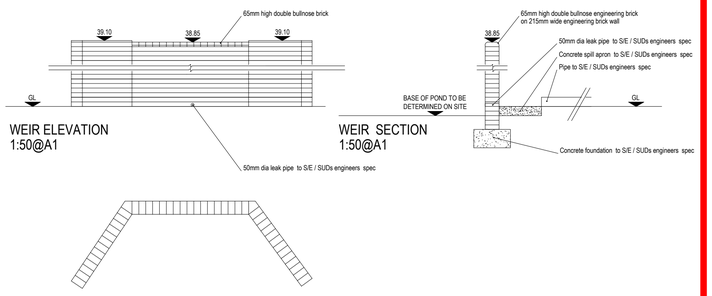
150mm DIAMETER, 4.5m LONG PVC OUTLET PIPE FROM BASIN 2 CONNECTED TO REPLACED GULLY (IL= 38.60m).

60m

EXISTING PARK FENCE LINE.

AREA FOR ADDITIONAL EXCAVATED MATERIAL TO BE STOCKPILED AND BUNDED. DIMENSIONS TO BE CONFIRMED ON SITE.

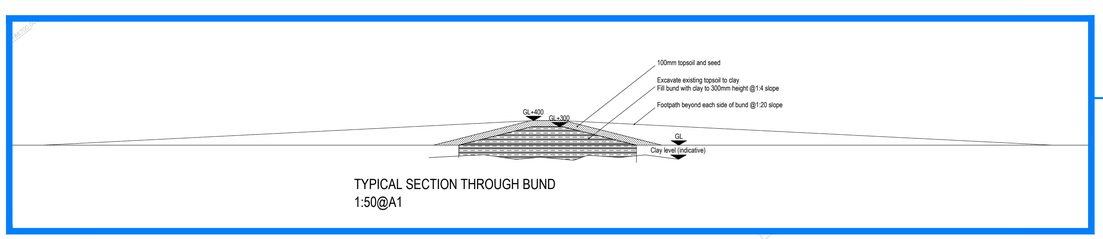
NEW BUND
(REFER TO DETAIL)



WEIR ELEVATION
1:50@A1

WEIR SECTION
1:50@A1

WEIR PLAN BASED ON METIS DRAWING 21185-MET-HGN-DR-001 REV Z
1:50@A1



TYPICAL SECTION THROUGH BUND
1:50@A1

NOTES

Rev	Revision notes	Initials	Date
-	-	-	-

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PROJECT

BESSINGBY PARK AND WHITBY ROAD
PHASE 1

DESCRIPTION

WEIR AND BUND DRAWING

SCALE	DRAWN BY	CHECKED BY	DATE
1:250 & 1:50 @ A1	DB	MN	JAN 2026

DRAWING No.

2026/D/F/001

REV.