ALL EXISTING OUTFALLS INTO THE HIGHFURLONG BROOK TO BE MAINTAINED

NO GROUND RAISING BELOW FLOOD ZONE 3+CC LEVEL

PROPOSED SWALE TO RUN AROUND THE BASE PERIMETER TO DRAIN RUNOFF FROM PROPOSED EARTHWORKS.
1:3 SIDE SLOPES TO 0.5M DEEP, 0.5M WIDE CHANNEL BED, TOTAL SWALE WIDTH – 3.5M
MIN GRADIENT 1:300, MAX GRADIENT 1:75.
SWALE TO CONVEY FLOWS NORTHWARDS TO OUTFALL INTO EXISTING ON-SITE DITCH.

Unknown Drainage Arrangement

EXISTING SITE DRAINAGE SYSTEM DOES NOT CONNECT INTO EXISTING POND.
POND TO BE PARTIALLY FILLED IN.
POTENTIAL OUTFALL FROM POND INTO EXISTING DITCH TO BE INVESTIGATED AND RETAINED

EXISTING BURIED LAND DRAINAGE IN THIS AREA DISCHARGES INTO EXISTING POND

PROPOSED OVERFLOW FROM NEW LAGOON INTO EXISTING DITCH AT 110.50mAOD

TWL IN LAGOON – 110.50mAOD. WITH A PERMANENT DEPTH (TBC) OF WATER BELOW THE INLET/OVERFLOW HEADWALL

EXISTING DITCH BED LEVEL APPROXIMATELY 110.50mAOD AT INTERSECTION WITH PROPOSED LAGOON.
EXISTING FLOW ROUTE TO BE DIVERTED THROUGH PROPOSED LAGOON.

EXISTING OPEN DITCHES TO BE RETAINED WHERE FEASIBLE OR CULVERTED WITH A DN300 SOLID TWIN WALL PIPE LAID AT A MINIMUM GRADIENT OF 1/245 (MIN 70 L/S CAPACITY)

EXISTING OPEN DITCHES TO BE CULVERTED WHERE REQUIRED FOR NEW TRACK.
DN300 SOLID TWIN WALL PIPE LAID AT A MINIMUM GRADIENT OF 1/245 (MIN 70 L/S CAPACITY)

EXISTING SURFACE WATER CONVEYANCE ROUTES THROUGH THE SITE VIA THE NETWORK OF OPEN DITCHES AND CULVERTS TO BE MAINTAINED POST-DEVELOPMENT

RUN 1
RUN 2
RUN 3
RUN 4

Pond
Viewing Mounds
Washbrook Farm
Administrative Cabins
Holding Area
Finish
Start
Warm Up Area
Existing Pond
The Hovel
Water
HS2 Balancing Pond
Proposed Lagoon & Practice Water Jump
WL 113.80
Retain Suction Pond
Fishing Platform

1 2 3 4 5 6 7 9 11 12

REV. No.	DATE	DESCRIPTION	DRAWN	CHECKED

Client: AA Environmental

Project: Aston Le Walls Northamptonshire

Title: Surface Water Drainage

MJA CONSULTING
CIVIL & STRUCTURAL ENGINEERS
Ipsum Court, 24 The Quadrant, Abingdon Science Park, Abingdon Oxon, OX14 3YS
Tel: 01235 555173
Email: mail@mjaconsulting.co.uk

Scale: NTS
Status: FOR INFORMATION
Drawn: CP
Project Engineer: CP
MJA Project No: 6485
Date: May 2021
Drawing Number: 6485-MJA-SW-XX-DR-C-001
Rev: –