



- Key:**
- Site Boundary
 - Surface Water Features
 - Existing Topographical Level Contours (including contour changes for drainage lagoons) (m AOD)
 - Proposed Contours (mAOD)
 - Drainage Swale
 - Lagoon Topographical Level Contours (m AOD)
 - Lagoon Water Level Contours (m AOD)
 - Headwall to Manhole Drainage Outlets
 - Headland (Lowland Meadow Habitat) Buffer Zone
 - Headland (Neutral Grassland Habitat) Buffer Zone
 - Culvert
 - Drainage Flow

Lagoon Details		
ID	Water Level (mAOD)	Water Volume (m ³)
Lagoon 1	90.68	69
Wetland Pond	~121.5	~55

Total Catchment - 11,539sqm
 Slope of Swale
 1:24.91%
 100m = 24.91m
 100m = 79.2ft

Lagoon 1
 Lagoon 1
 Lagoon 1

Wetland Pond
 Total Catchment - 8,816sqm
 Top Bank - 122.00mAOD
 Bottom Bank - 121.00mAOD
 1:3 to 1:5 Side Slopes

Drainage system to be piped via
 150mm dia. pipe through steep section
 (ground level = 1.2)

Swale to intercept flow from
 the eastern side of slope and
 convey flow into pond

Checkers check stone spacing
 every 20m with 50mm gauge to
 reduce flow velocity and
 prevent scour.
 Checkers to be set
 with 150-200mm above rock.

Rev.	Details	Drawn	Date
		Chkd.	

Project
213189
 Lower Hare Farm

Title
Permanent Drainage Solution



AA Environmental Ltd
 Units 4-8
 Cholswell Court
 Shippon Abingdon
 Oxon OX13 6HX
 T: (01235) 536042
 F: (01235) 523849
 info@aae-ltd.co.uk
 www.aae-ltd.co.uk

Scale	Date	Apr'22	Drg. No.	Rev.
1:1,500@A3	Drawn	KW	213189/PL/D/010	
	Chkd.	ML		