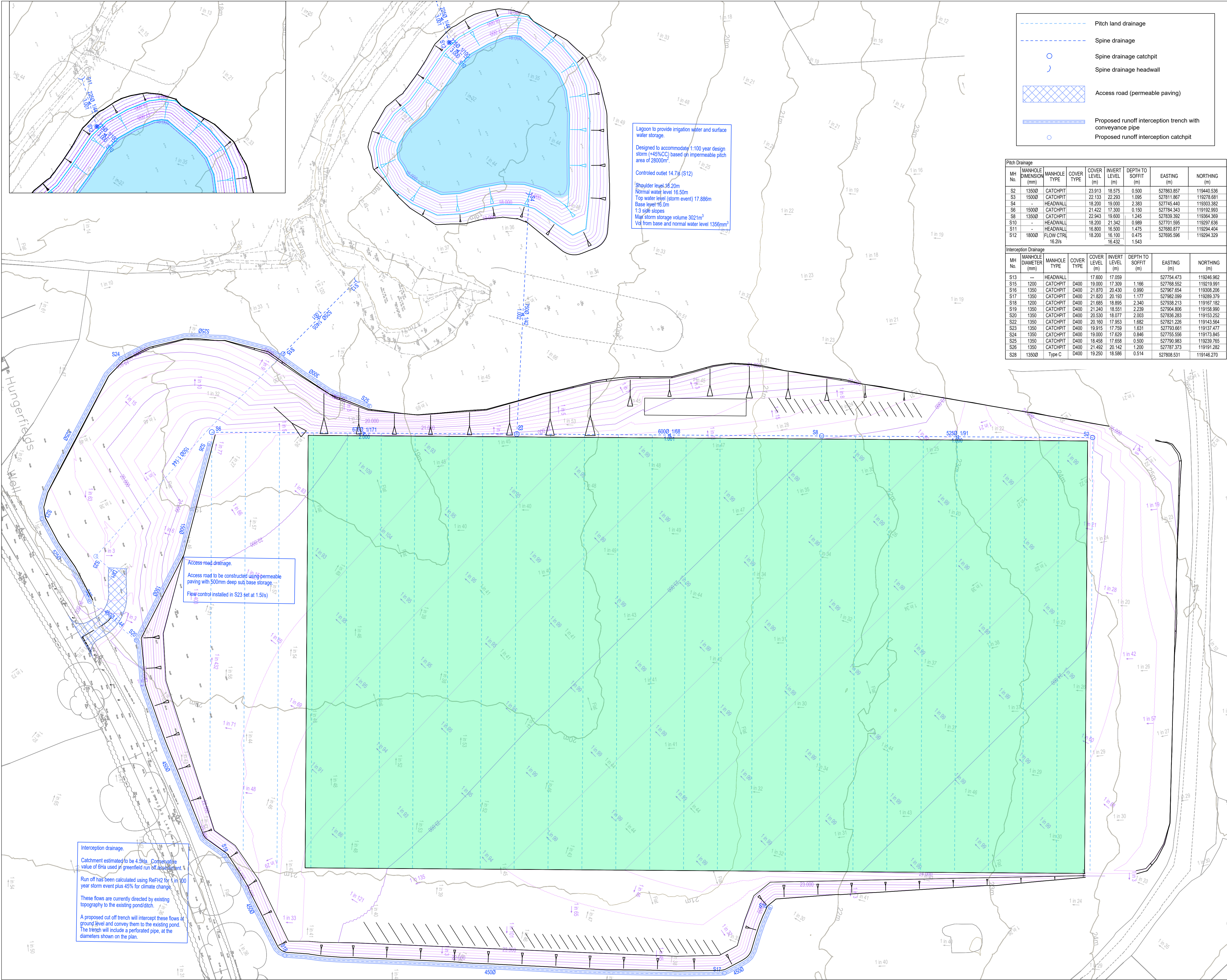




Pitch land drainage

Spine drainage

Spine drainage catchpit

Spine drainage headwall

Access road (permeable paving)

Proposed runoff interception trench with conveyance pipe

Proposed runoff interception catchpit

Pitch Drainage							
MH No.	MANHOLE DIMENSION (mm)	MANHOLE TYPE	COVER TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	
S2	1350	CATCHPIT		23.913	18.575	0.500	527863.857
S3	1500	CATCHPIT		22.133	22.293	1.095	527811.867
S4	-	HEADWALL		18.200	19.000	2.383	527745.440
S5	1500	CATCHPIT		21.422	17.300	0.150	527784.343
S6	1350	CATCHPIT		22.943	19.600	1.245	527638.392
S10	-	HEADWALL		19.200	21.342	0.989	527701.595
S11	-	HEADWALL		16.800	16.500	1.475	527680.877
S12	1800	FLOW CTRL		18.200	16.100	0.475	527695.596
					16.432	1.543	527694.329

Interception Drainage							
MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	
S13	-	HEADWALL		17.800	17.059		527754.473
S15	1200	CATCHPIT	D400	19.000	17.309	1.166	527768.552
S16	1350	CATCHPIT	D400	21.870	20.430	0.990	527967.654
S17	1350	CATCHPIT	D400	21.820	20.193	1.177	527982.099
S18	1200	CATCHPIT	D400	21.685	18.895	2.340	527938.213
S19	1350	CATCHPIT	D400	21.240	18.551	2.239	527904.806
S20	1350	CATCHPIT	D400	20.530	18.077	2.003	527836.283
S22	1350	CATCHPIT	D400	20.190	17.953	1.982	527821.226
S23	1350	CATCHPIT	D400	19.915	17.759	1.631	527793.661
S24	1350	CATCHPIT	D400	19.000	17.629	0.846	527755.556
S25	1350	CATCHPIT	D400	18.458	17.658	0.500	527790.983
S26	1350	CATCHPIT	D400	21.492	20.142	1.200	527787.373
S28	1350	Type C	D400	19.250	18.586	0.514	527808.531

- NOTES
1.

This drawing is to be read in conjunction with all other BP Civils drawings, and with all relevant Architect's and Engineer's drawings and specification. Any discrepancies found are to be reported immediately to the Engineer.

2.

BP Civils accepts no responsibility for inaccuracies in data provided by third parties such as topographic surveys or Ordnance Survey mapping.

3.

Do not scale work to figured dimensions only. All dimensions are in millimeters unless noted otherwise and all levels are in metres from the topographic survey datum.

4.

Any information given regarding existing underground services is given in good faith after consultation with the relevant authority, however accuracy is not certain. The main contractor is responsible for checking all information on site prior to work commencing and taking due care whilst undertaking the works.

5.

All dimensions to be checked on site. All details and dimensions relating to sub-contractors work must be checked and agreed between the sub-contractor or supplier and the general contractor.

6.

The electronic information from this drawing can not be guaranteed as dimensionally drawn exact. Figured dimensions must be used for setting out and detailing. BP Civils logos and company information must be removed from copies if information is re-used.

7.

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8.

All existing boundaries and levels shall be checked against the site grid/datum before starting works.



Access road drainage.
Access road to be constructed using permeable paving with 500mm deep sub base storage.
Flow control installed in S23 set at 1.51s

Interception drainage.
Catchment estimated to be 4.5Ha. Conservative value of 6Ha used in greenfield runoff assessment.
Run off has been calculated using ReFH2 for 1 in 100 year storm event plus 45% for climate change.
These flows are currently directed by existing topography to the existing pond/ditch.
A proposed out off trench will intercept these flows at ground level and convey them to the existing pond. The trench will include a perforated pipe, at the diameters shown on the plan.

Lagoon to provide irrigation water and surface water storage.
Designed to accommodate 1:100 year design storm (+45%CC) based on impermeable pitch area of 2800m².
Controlled outlet 14.7% (S12)
Shoulder level 16.20m
Normal water level 16.50m
Top water level (storm event) 17.886m
Base level 16.0m
1:3 side slopes
Max storm storage volume 302m³
Vol from base and normal water level 1356mm³

P03	23/07/25	Revised to suit planning comments.
P02	12/06/25	Revised to suit planning comments.
P01	20/02/25	Lagoon levels revised

Rev.	Date	Amendments
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BP CIVILS
Infrastructure Design and Transport Planning Consultants
2 West Barn, Norton Lane, Chichester, West Sussex PO20 3AF
Tel: 01243 210418
www.bpcivils.co.uk enquiries@bpcivils.co.uk

Drawing Status
FOR APPROVAL
NOT FOR CONSTRUCTION

Client
SDP

Project
Naldretts Farm
Pookbourne Lane

Drawing Title
Proposed Drainage

Scale at A1	Date	Drawn By	Checked By	Project No.
1:500	Jan 25	LDF	MJA	D2334

Drawing Code	Drawing No.	Rev.
000-BPC-WD-ZZ-D-C	101	P03