







Notes:

1. Outline design in accordance with CIRIA C753 & Perth and Kinross Council planning guidance.
2. Refer to accompanying flood risk & drainage assessment (FRDA) report

Legend (drainage):

-  Proposed Surface Water Pipe
-  Surface Water Manhole
-  Porous Engineered Fill
-  50MW BESS Site Boundary

NOT FOR CONSTRUCTION



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Outline Drainage Design

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		Approved: JC	20/04/22

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OUTFALL TO POND

P01
 Type: Pipe
 Length (m): 20.85
 Slope (1x): 32.64
 Diam/Base Width (mm): 375
 U/S IL (m): 38.64
 D/S IL (m): 38.00

POROUS ENGINEERED FILL
 Type: Porous Paving
 E/L (m): 39.12
 Depth (m): 0.70
 Base Level (m): 38.42



LEGEND

SYMBOLS

BORSHOLE		STUMP	
CONTROL STATION		TRIAL PIT	
GATE		TREE	
SERVICE COVER			

LINE STYLES

BOTTOM OF BANK	
BUILDING FOOTPRINT	
BUSH CANOPY	
CHANGE OF SURFACE	
CHANNEL LINE	
FENCE	
HEDGE	
OVERHEAD WIRES	
ELECTRIC	
TELECOM	
PATH EDGE	
ROAD CENTRE LINE	
STRIP GULLY	
TOP OF BANK	
TOP OF KERB	
TREE CANOPY	
WALL	

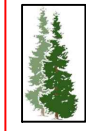
ABBREVIATIONS

AV = AIR VALVE	LP = LAMPOST
BH = BORSHOLE	MM = MANHOLE
BOL = BOLLARD	MAR = MARKER
BOX = ELECT. CAB. BOX	PT = TRIAL PIT
BT = BRITISH TELECOM	PEG = MARKER PEG
EA = EAVES LEAD	RD = RIDGE
EC = ELECTRICITY COVER	RS = ROAD SIGN
EP = ELECTRICITY POLE	SB = SIGN BOARD
FFL = FINISHED FLOOR LEVEL	SC = STOP COCK
FP = FLAG POLE	SV = STOP VALVE
G = GULLY	TCB = TELEPHONE CALL BOX
GAS = BRITISH GAS	TL = TRAFFIC LIGHT
HY = FIRE HYDRANT	TDW = TOP OF WALL
IC = INSPECTION COVER	TP = TELEGRAPH POLE
I = INVERT LEVEL	TV = TELEVISION
SG = STRIP GULLY	VM = WATER METER

NOTES

- GRID IS RELATED TO O.S. GRID
- ALL LEVELS RELATE TO O.S.M. ASCERTAINED BY LOGGING G.P.S. DATA
- CONTOURS ARE AT 0.50 (m) INTERVALS
- CONTOURS AT VERTICAL FEATURES ARE INDICATIVE
- LEVELS FOR ROAD ARE TAKEN ALONG CHANNEL LINE
- WHILE EVERY EFFORT HAS BEEN MADE TO LOCATE THE POSITION OF ALL SERVICE COVERS (eg. manholes) IT SHOULD BE NOTED THAT THIS MAY NOT HAVE BEEN POSSIBLE AT THE TIME OF SURVEY DUE TO GROUND COVER OR LOCAL OBSTRUCTIONS.
- ISOLATED MATURE TREES ARE DENOTED BY TRUNK AND ESTIMATED AVERAGE OUTER CANOPY.
- ALL CONTROL STATION COORDINATES SHOULD BE CHECKED AND VERIFIED ON SITE PRIOR TO USE. DOUGLAS LAND SURVEYS SHOULD BE INFORMED OF ANY DISCREPANCIES FOUND.
- OWNERSHIP OF SURVEY DATA REMAINS WITH DOUGLAS LAND SURVEYS UNTIL INVOICE RELATING TO SUCH DATA HAS BEEN PAID IN FULL.

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File: **KEITHICK SOLAR FARM, BY COUPAR ANGUS**

Drawn By: L.Nicol Scale: 1:250 Date: 12/03/2022

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