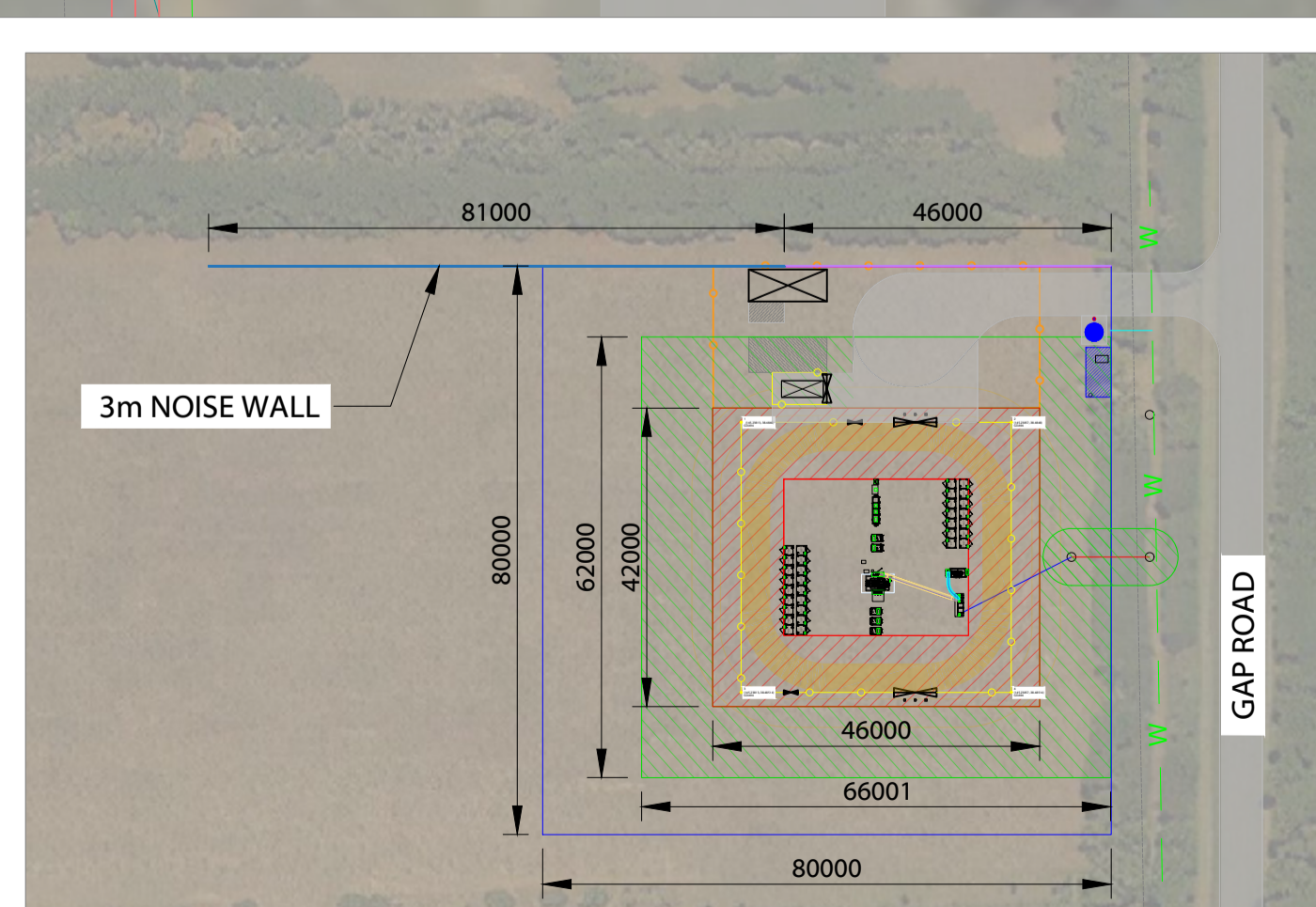


**PLAN VIEW**  
SCALE 1:150



**PLAN VIEW**  
SCALE 1:1000

SYSTEM SPECIFICATIONS	
BESS RATED POWER	5 MW
BESS RATED ENERGY	10 MWh
BATTERY RACK MAKE/MODEL	CATL 0852280-P-T-U-1 LFP 372.7kWh
QTY OF BATTERY MODULES	32
BATTERY INVERTER MAKE/MODEL	ABB 1.5MVA e-mesh Power Store PS1000
QTY OF BATTERY INVERTERS	5

- REFERENCE DRAWINGS:  
J2739-CI-0101-01-IFC  
CCTV & LIGHTING LAYOUT
- GENERAL NOTES:
- ALL DIMENSIONS IN MILLIMETRES
  - DRAWN TO AS1100
  - DO NOT SCALE FROM THIS DRAWING
  - ALWAYS CHECK DIMENSIONS ON SITE BEFORE USING ANY INFORMATION CONTAINED WITHIN THIS DRAWING.
  - ALL DIMENSIONS SHOWN ARE INDICATIVE ONLY AND NEED TO BE VERIFIED ON-SITE. CLEAN TECHNOLOGY PARTNERS ACCEPTS NO LIABILITY FROM ERRORS OR OMISSIONS SHOWN ON THIS DRAWING.
  - CHECK THIS DRAWING IN THE LATEST VERSION. DO NOT REPRODUCE ALL OR PART OF THIS DRAWING WITHOUT PRIOR CONSENT.
  - FINAL F.G.L.I IS SUBJECT TO CHANGE PENDING DETAIL DESIGN.
- NOTES:
- DESIGN IS FOR CONSTRUCTION.
  - DESIGN COMPLIES WITH CFA GUIDELINES FOR BATTERY INSTALLATIONS.
  - ROADWAY TO BE CONSTRUCTED OF COMPACTED, SELF-DRAINING, ALL-WEATHER GRAVEL SURFACE, IN ACCORDANCE WITH APPROVED LOCAL AUTHORITY DEVELOPMENT PLAN AND OWNER'S REQUIREMENTS.
  - ROADS INCLUDING ON-SITE ACCESS ROADS TO BE IN ACCORDANCE WITH THE FOLLOWING CFA REQUIREMENTS:
    - BE OF ALL-WEATHER CONSTRUCTION AND CAPABLE OF ACCOMMODATING A VEHICLE OF FIFTEEN (15) TONNES.
    - WHERE ROADS ARE CONSTRUCTED ROADS, THEY ARE TO BE A MINIMUM OF FOUR (4) METRES IN TRAFFICABLE WIDTH WITH A FOUR (4) METRE VERTICAL CLEARANCE FOR THE WIDTH OF THE FORMED ROAD SURFACE.
    - BE OF AVERAGE GRADE NO MORE THAN 1 IN 7 (14.4% OR 8.1°) WITH A MAXIMUM OF NO MORE THAN 1 IN 5 (20% OR 11.3°) FOR NO MORE THAN FIFTY (50) METRES.
    - WHERE THERE ARE DIPS IN THE ROAD, THEY ARE TO BE NO MORE THAN A 1 IN 8 (12.5% OR 7.1°) ENTRY AND EXIT ANGLE.
    - INTERNAL ACCESS ROADS TO HAVE A MINIMUM TURNING RADIUS OF TEN (10) METRES.
  - VEGETATION SCREENING TO BE IN ACCORDANCE WITH THE APPROVED LOCAL AUTHORITY DEVELOPMENT PLAN.
  - KEY OPERATED 140MM IN-GROUND REMOVABLE BOLLARDS TO BE PLACED AT THE MAIN FACILITY ACCESS & EMERGENCY ACCESS GATE. FINAL LOCATIONS TO BE ADVISED BY THE OWNER. FINAL LOCATION OF THE NEW ACR POLE IS SUBJECT TO AUSNET DESIGN AND SITE SURVEY.
  - CLASS A/B CABLE PIT TO BE PROCURED BY TEC-C. EXACT DIMENSIONS INDICATIVE AND TO BE CONFIRMED AT IFC.
  - 3m VERTICAL CLEARANCE TO OVERHEAD POWER LINES REQUIRED.
  - FOR CCTV & LIGHTING DETAILS, PLEASE REFER TO DWG J2739-CI-0101-01-IFC.
  - FUTURE ISLANDING SECONDARY EQUIPMENT TO BE INSTALLED IN NORTH WEST CORNER AND IS SUBJECT TO FUTURE ISLANDING PROTECTION & CONTROL DESIGN.
  - CABLE PIT OF MINIMUM DIMENSIONS 1600mm(W) x 1600mm(D) x 1200mm(H) TO BE PROCURED BY TEC-C.
  - FIRE HYDRANT HOSE COVERAGE FROM THE POINT OF SUPPLY TO ANY POINT WITHIN THE BESS FENCED FACILITY COVERED BY A NINETY (90) METRE HOSE.

- LEGEND:
- SITE BOUNDARY
  - BESS AREA
  - SITE SECURITY FENCING
  - TEMPORARY FENCING
  - FIREBREAK OFFSET 10M FROM EQUIPMENT
  - 22KV OVERHEAD ELECTRICAL LINE
  - 22KV UNDERGROUND ELECTRICAL LINE
  - EXISTING WATER LINE
  - PROPOSED WATER LINE
  - SITE CONTOUR
  - SITE CONTOUR
  - INVERTER MAX. FOOTPRINT
  - VEGETATION
  - SITE ACCESS GATE
  - 10m FIRE BREAK (F.G.L. 44.4m AHD)
  - SITE ACCESS ROADS (6.0m WIDE, F.G.L. 44.4m AHD)
  - COMPACTED GRAVEL CFA ACCESS 4m WIDE (F.G.L. 44.4m AHD)
  - TEMPORARY CONSTRUCTION ON-SITE HOLDING AREA, ON-SITE PARKING.
  - DECOMMISSIONED PUMP STATION
  - 3.5m HIGH NOISE BARRIER
  - 3m HIGH NOISE BARRIER
  - INDICATIVE OPERATIONS & MAINTENANCE ACCESS
  - VEGETATION CLEAR ZONE
  - BESS BATTERY MODULE (CATL)
  - INVERTER
  - TRANSFORMER
  - CONTROL PANEL
  - BOLLARD

**CONSTRUCTION**

Rev	Date	Comments	Drawn	Chkd
01	22/02/22	ISSUED FOR CONSTRUCTION	DS	SD
M	17/02/22	DELWP COMMENTS UPDATE	DS	SD
L	16/02/22	DELWP COMMENTS UPDATE	DS	SD
K	21/01/21	80% DESIGN UPDATE	DS	LW
J	09/12/21	REVISED 80% DESIGN ISSUE	DS	LW
I	03/12/21	REVISED 80% DESIGN ISSUE	DS	LW
H	16/11/21	REVISED PLANNING ISSUE	DS	LW

CLIENT: **TEC-C**

CLIENT LOGO: **TEC-C**

DESIGNED BY: L.WALKER    CHECKED BY: L.WALKER

DRAWN BY: D.STRADA    APPROVED BY: L.WALKER

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PROJECT: Phillip Island Community Energy Storage System (PICESS)

100 GAP ROAD, COWES, VIC 3922

TITLE: SITE GENERAL ARRANGEMENT

Dwg No: J2739-CI-0001-01-IFC    Scale: 1:150    Rev: 01    A1