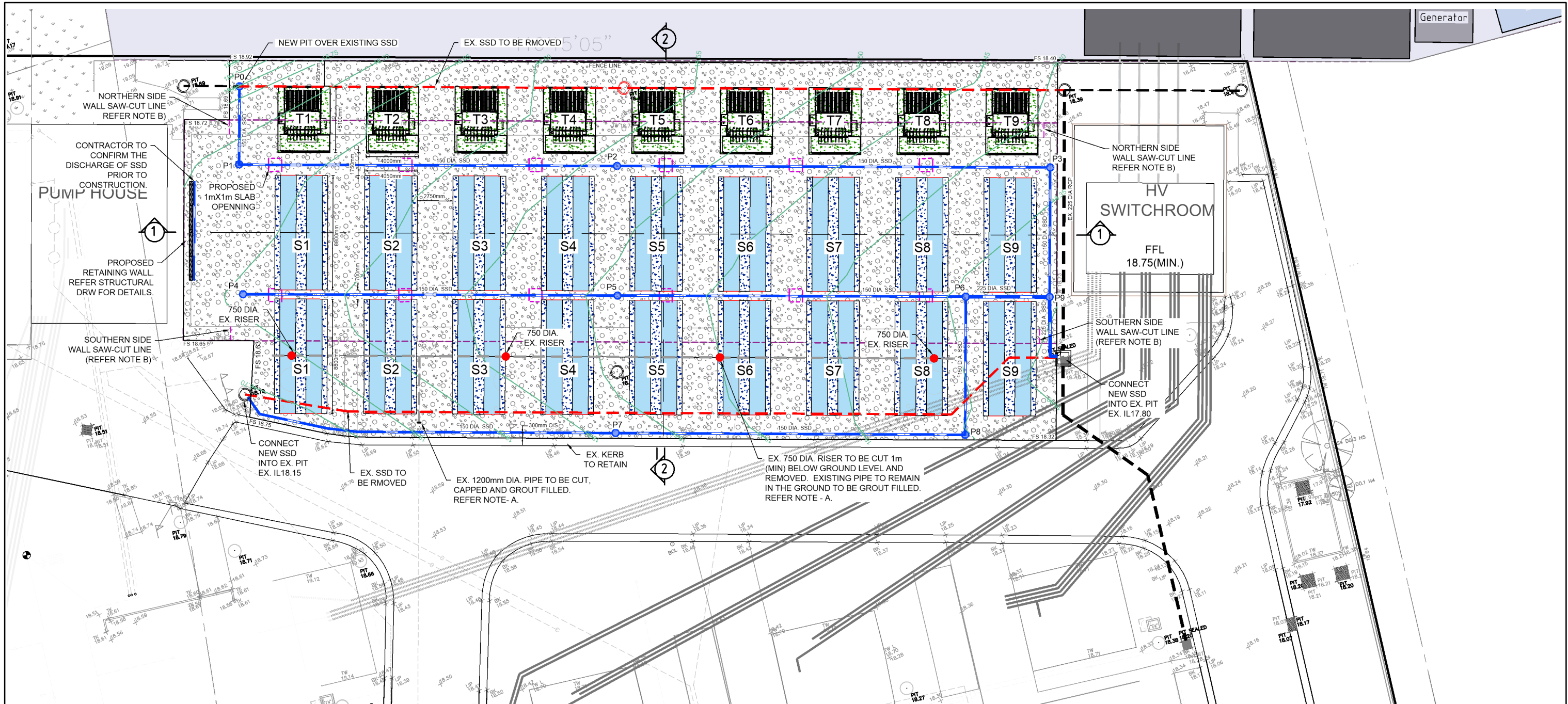




LEGEND

- TITLE BOUNDARY
- EASEMENT LINE
- PROPOSED SUBSOIL DRAINAGE (SSD)
- PROPOSED INSPECTION OPENING
- EXISTING DRAINAGE
- EXISTING DRAINAGE/PIPES TO BE REMOVED.
- EXISTING RISER PIPES TO BE CUT AND REMOVED 1m MIN. BELOW GROUND LEVEL.
- PROPOSED FOUNDATIONS (TRANSFORMER / CONTAINERS) (REFER STRUCTURAL DRAWINGS BY OTHERS)
- BLUE METAL GRAVEL FILL
- 1mX1m SLAB OPENING IN EXISTING COOLING TOWER CONCRETE SLAB @ 10m SPACING.

GENERAL NOTES

- THIS PLAN IS TO BE USED FOR CIVIL WORKS ONLY.
- DRAWING TO BE READ IN CONJUNCTION WITH THE FOLLOWING DOCUMENTS.
 - DRAINAGE AND BENCHING INVESTIGATIONS MEMORANDUM- REV 1 (PREPARED BY FYFE)
 - FOUNDATION DESIGN DRAWINGS (PREPARED BY EBULEN CONSULT)
 - STRUCTURAL BACKFILL BY SUITABLY QUALIFIED GEOTECHNICAL ENGINEER
- ALL LEVELS ARE BASED ON THE FEATURE SURVEY DATA RECEIVED FROM ACLE.
- DRAINAGE DESIGN IS BASED ON THE EXISTING DESIGN PLANS PROVIDED BY ACLE. CONTRACTOR TO CONFIRM THE EXISTING LEVELS PRIOR TO CONSTRUCTION. CS&A TO BE CONTACTED FOR FURTHER ADVICE IF THE LEVELS ARE FOUND TO BE INCORRECT.
- CONTRACTOR TO DETERMINE LOCATION OF ALL EXISTING SERVICES ONSITE PRIOR TO COMMENCEMENT OF ANY WORK.
- CLIENT TO ARRANGE CONSTRUCTION AND SUPERVISE WORKS.
- UNLESS SPECIFIED ALL DRAINAGE PIPES TO BE OF SEWER GRADE AND LAYED IN A 1 IN 200 MINIMUM GRADE.
- AS PER CLIENTS ADVISE SELF-BUNDED TRANSFORMERS WILL BE USED WHICH AVOID THE REQUIREMENT OF A CONTAMINATED WATER DRAINAGE SYSTEM.

NOTE - A

EXISTING 1200mm DIA. PIPE TO BE CUT AND CAPPED AS SHOWN AND GROUT FILLED WITH TEREFL MIX (MIN. 1MPa) THROUGH THE 750mm DIA. RISER PIPES.

NOTE - B

EXISTING STRUCTURAL WALL SAW-CUT FACE TREATMENT SHOULD BE AS PER STRUCTURAL DESIGN ADVICE. REFER STRUCTURAL PLANS FOR DETAILS.

FOR
CONSTRUCTION
20-02-25



REVISION	DATE	ZONE
3	AS PER CLIENT COMMENTS	17-02-25
2	REMOVE CONTAMINATED WATER DRAIN	10-02-25
1	CONTAMINATED WATER DRAIN	29-11-24

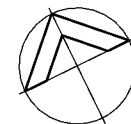
COMPLIANCE STATEMENT

- IN LINE WITH THE STORMWATER MANAGEMENT PLAN (REF24219_REV1) AND THE INCLUSION OF PROPOSED SELF-BUNDED TRANSFORMERS, THE CIVIL DESIGN COMPLY WITH THE SECTION 120 OF THE POEO ACT.
- TRANSFORMERS AND BATTERY STORAGE CONTAINERS WILL BE MINIMUM 150mm ABOVE THE FLOOD LEVEL AS PER THE DESIGN.
- THE CIVIL DESIGN DOES NOT INCLUDE ANY ALTERATIONS TO THE EXISTING CAR PARK LAYOUT OR ADDING NEW CAR PARKS TO THE SITE.

- RELEVANT AUSTRALIAN DESIGN STANDARDS
 - AUSTRALIAN RAINFALL AND RUNOFF
 - AS 3500 PLUMBING AND DRAINAGE
- RELEVANT COUNCIL POLICIES.
 - THERE ARE NO RELEVANT COUNCIL POLICIES
 - DIS PROVISIONS OF BCA
 - NO NON-COMPLIANCES THAT WILL RESULT IN A PERFORMANCE SOLUTION.

DRAWING LIST

DRAWING NUMBER	REVISION	DATE
24219 - CW01	2	10-02-2025
24219 - CW02	3	10-02-2025
24219 - CW03	1	10-02-2025



Scale 1 in 150 @ A1

Chris Smith
& ASSOCIATES
PTY LTD

CIVIL ENGINEERS
URBAN & REGIONAL PLANNERS
LEVEL 1 / 135 FRYERS STREET, SHEPPARTON, VIC. 3630
PH: (03) 5820 7700 FAX: (03) 5822 4878 www.csmith.com.au

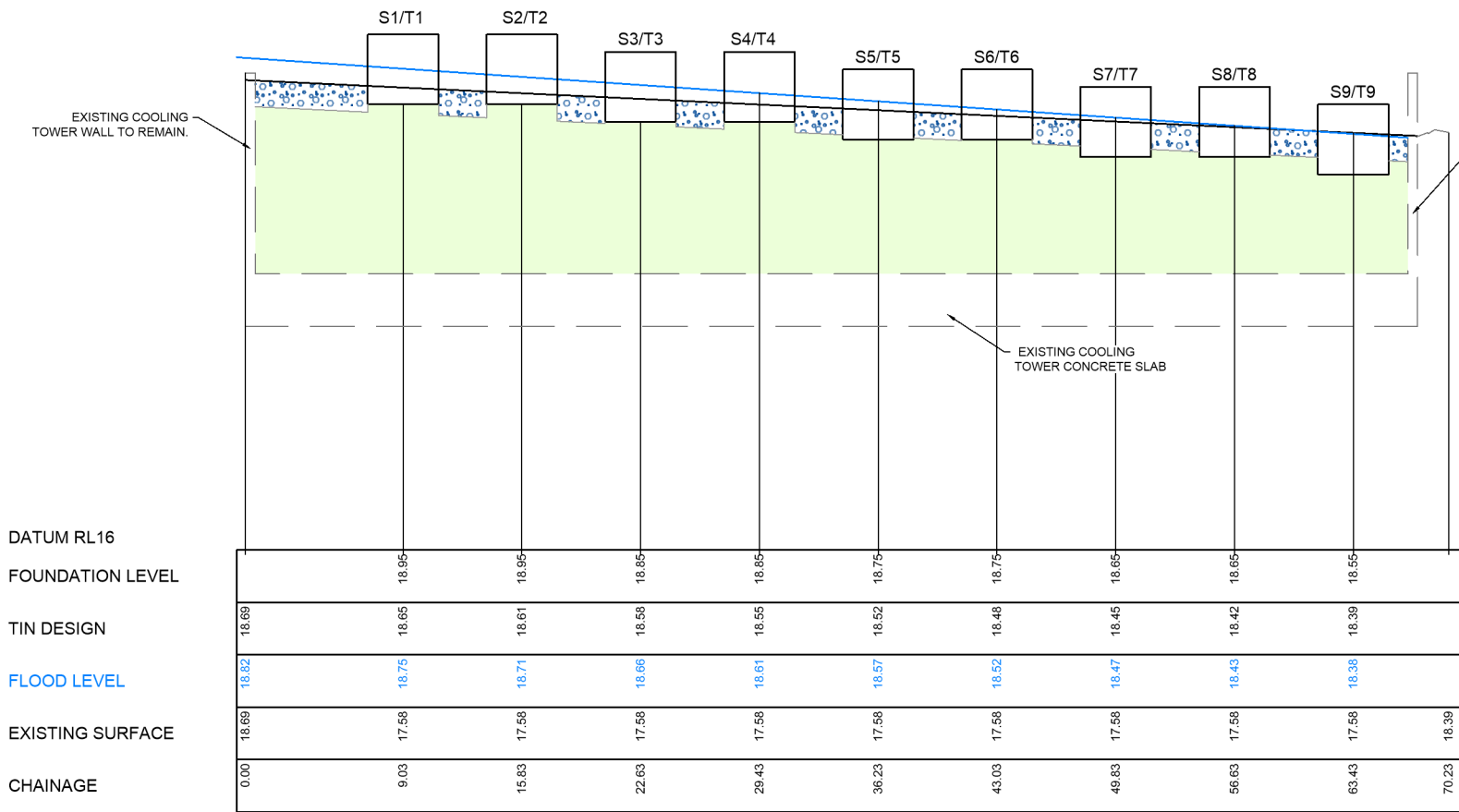
LAND SURVEYORS
PROJECT MANAGERS

Designed Tom Kerrins Oct 2024
Drawn Sahar Dinesh Oct 2024
Checked Tom Kerrins Oct 2024
Approved

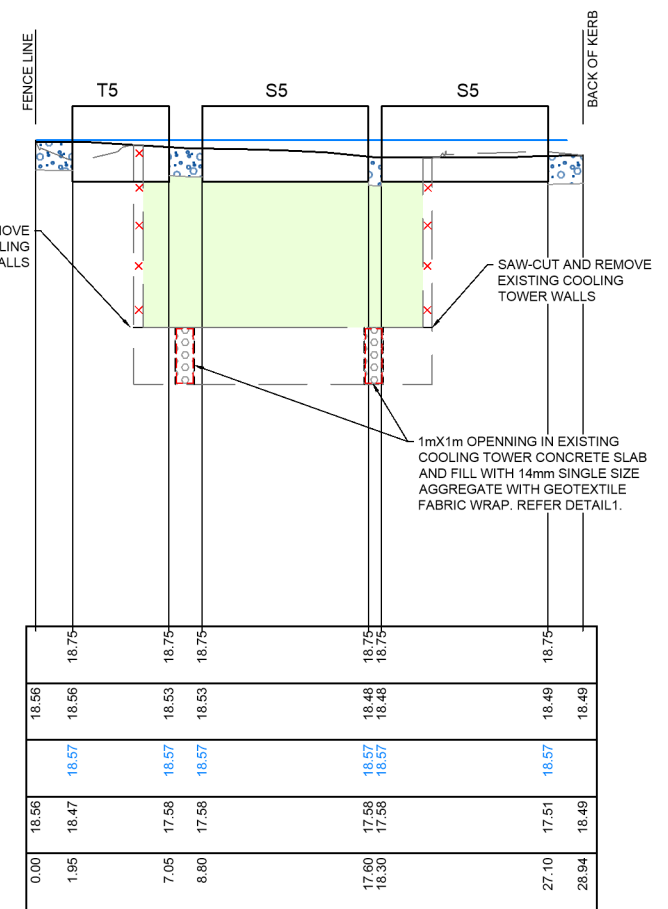
ACLE Services P/L
Proposed Battery Energy Storage
6 Herbert Place
Smithfield NSW 2164.

Civil Design
Layout Plan
Drawing No. 24219 - CW01 Rev. 3
Sheet No. 1 of 3 24219_CW01.dwg

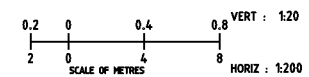
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DATUM RL16
FOUNDATION LEVEL
TIN DESIGN
FLOOD LEVEL
EXISTING SURFACE
CHAINAGE



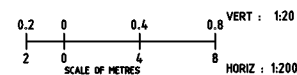
SECTIONS 2-2



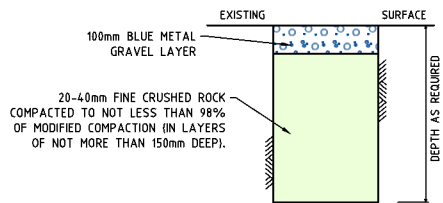
LEGEND

- DESIGN SURFACE
- APPROXIMATE FLOOD LEVEL
- EXISTING SURFACE
- 100mm THICK BLUE METAL GRAVEL FILL
- ENGINEERING FILL BELOW FOUNDATIONS (REFER NOTE)
- CONCRETE FOOTINGS (REFER STRUCTURAL DRAWINGS)

SECTIONS 1-1

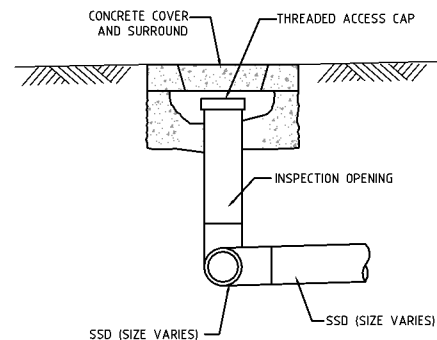


NOTE:
STRUCTURAL FILL -
A GENERAL BACKFILL DETAIL IS PROVIDED.
CHRIS SMITH AND ASSOCIATES RECOMMEND OBTAINING A STRUCTURAL
BACKFILL DETAIL FROM A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER
WITH FOLLOWING REQUIREMENTS:
- 100KPa MINIMUM BEARING CAPACITY.
- LOW RESISTIVITY.



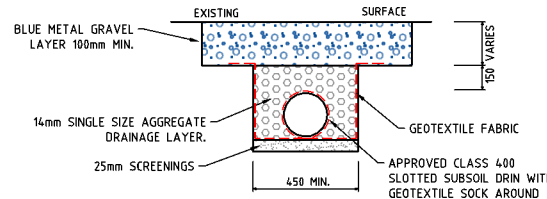
BACKFILL DETAILS

NOT TO SCALE



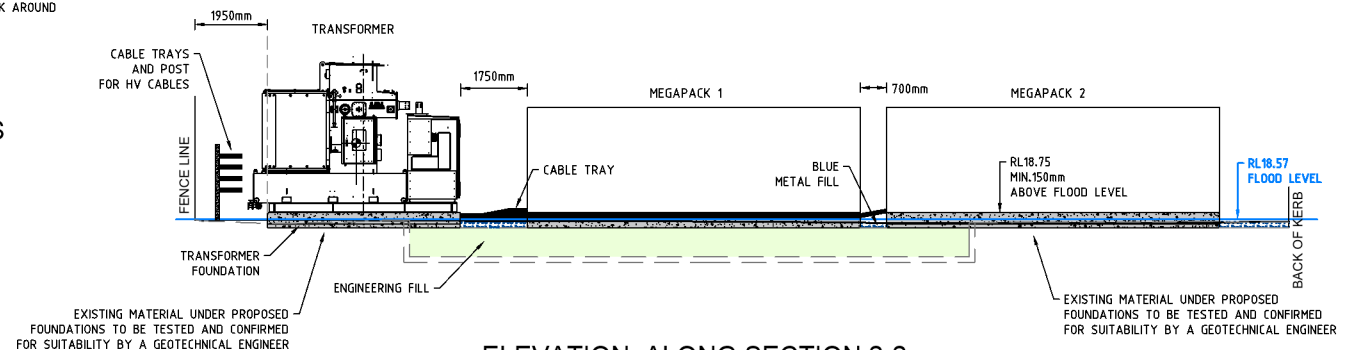
INSPECTION OPENING DETAIL (P0 - P9)

NOT TO SCALE



SSD TRENCH DETAILS

NOT TO SCALE



ELEVATION ALONG SECTION 2-2

SCALE 1 IN 100



4	AS PER CLIENT COMMENTS	17-02-25		
3	AS PER CLIENT COMMENTS	10-02-25		
2	ELEVATION	23-01-25		
1	SECTION DETAILS	29-11-24		
REVISION		DATE	ZONE	

FOR
CONSTRUCTION
20-02-25

Chris Smith
& ASSOCIATES
PTY LTD

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Approved

ACLE Services P/L
Proposed Battery Energy Storage
6 Herbert Place
Smithfield NSW 2164.

Civil Design
Section Details
Drawing No. 24219 - CW02 Rev. 4
Sheet No. 2 of 3 24219_CW01.dwg

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