

23 April 2021

FDC Fitout & Construction
c/- Anthony Farr
Level 3, 1 Breakfast Creek Road
NEWSTEAD QLD 4006

Dear Mr Farr,

DECISION NOTICE – APPROVAL WITH CONDITIONS – DA2021/07/01

(GIVEN UNDER THE PROVISIONS OF GPC LAND USE PLAN 2012 V2)

1. Application Details

This development application was **properly made** to the Gladstone Ports Corporation Limited on 12 April 2021.

Application Number:	DA2021/07/01
Applicant Name:	FDC Construction and Fitout Pty Ltd
Applicant Contact Details:	Anthony Farr FDC Fitout & Construction Level 3, 1 Breakfast Creek Road NEWSTEAD QLD 4006 Email: anthonyf@fdcbuilding.com.au
Approvals Sought (Land Use Plan):	1. Port Application for earthworks, piling and construction access
Approval Sought (Port Overlay):	Not applicable
Details of Proposed Development:	Earthworks, piling and construction access associated with DA2020/05/01
Location Street Address:	113 Bryan Jordan Drive CALLEMONTA QLD 4680
Location Real Property Description:	Lease MAAV in Lot 210 on SP120888 on SP311651 and adjacent construction access area
Land Owner:	Gladstone Ports Corporation Limited
Land Use Plan Precinct:	Strategic Port Land – Parkland and Education Precinct
Port Overlay Precinct:	Marine services and recreation precinct Parkland and education sub-precinct

2. Details Of Proposed Development

Port application for earthworks, piling and construction access off Bryan Jordan Drive related to DA2020/05/01 Material change of use for Education Facility (School of Manufacturing).

3. Details Of Decision

This development application was **decided** on **23 April 2021**.

This development application is **approved in full with conditions**. These conditions are set out in Attachment 1 and are clearly identified to indicate whether the assessment manager or a concurrence agency imposed them.

4. Details Of Approval

This development approval is a **Development Permit** given for:

- (a) Port Application for undertaking work in, on, over or under premises that materially affects the premises or their use including excavating or filling (*GPC Land Use Plan 2012 v2*).

5. Conditions

This development approval is subject to the conditions in Attachment 1 - Part 1 and Part 2.

6. Further Development Permits

Please be advised that the following development permits are required to be obtained before the development can be carried out:

- (a) Port application for installation of all services and infrastructure in, on or over the site including, but not limited to, stormwater, energy, telecommunications, sewerage and reticulated water infrastructure and connections, outdoor lighting, fire hydrants and boosters and connections, and landscaping irrigation system;
- (b) Port application and Operational Works (council referral) for sewerage pipelines and connection;
- (c) Operational works that is tidal works and involves marine plants for stormwater outlets outside lease area;
- (d) Any approvals for building works; and
- (e) Any approvals for plumbing and drainage works.

7. Approved Plans and Specifications

Copies of the following plans, specifications and/or drawings are approved and enclosed in Attachment 2:

Drawing/report title	Prepared by	Date	Reference no. / Drawing no.	Version	Approval subject to the following changes
Aspect of development: Port Application (Land Use Plan)					
Site plan - Existing	Peddle Thorp	19/02/2021	CQU-GLD-015-ARC-01-02	A	
Site Plan - Proposed	Peddle Thorp	19/02/2021	CQU-GLD-015-ARC-01-03	B	
Site Grid Setout Plan	Peddle Thorp	19/02/2021	CQU-GLD-015-ARC-01-04	A	
Site Plan Proposed	Peddle Thorp	22/04/2021 As amended	CQU-GLD-015-ARC-01-03	A	Site Plan Proposed – Construction Access
BEWKS Layout plan	Cardno	04/02/2021	CQU-GLD-015-GN-CIV-020	A	
BEWKS Sections – Sheet 1	Cardno	04/02/2021	CQU-GLD-015-GN-CIV-022	A	
Footing Plan	Cardno	09/22/2020	CQU-GLD-015-GN-STL-010	A	
Precast reinforced concrete segmental piles	Wagstaff Piling	23/03/2021	4895Q / 01		

12. Currency Period for the Approval

Pursuant to section 85 of the Planning Act, this development approval will lapse at the end of the periods set out below:

- (a) For Port Application this approval lapses 6 years after this approval decision date.

13. Rights of Appeal

No legislated appeal rights are afforded with this decision notice as the application was not made under the provisions of the *Planning Act 2016*.

For further information please contact Judy Horsfall, Planning Advisor, on 07 4976 1314 or the undersigned on 07 4976 1287 or via email planning@gpcl.com.au.

Yours sincerely,



Erin Clark
Principal Planner

- Enc. Attachment 1: Conditions of Approval
Part 1 – Conditions imposed by the assessment manager
Attachment 2: Approved plans and specifications

Gladstone Ports Corporation Limited

T: +61 7 4976 1333 • Fax: +61 7 4972 3045 • 40 Goondoon St/PO Box 259, Gladstone QLD, 4680, AUSTRALIA • www.gpcl.com.au
ACN 131 965 896 ABN 96 263 788 242

Attachment 1 Conditions of Approval

PART 1: ASSESSMENT MANAGER CONDITIONS

In general the development proposal is in compliance with the requirements of Gladstone Ports Corporation Limited (GPC). This development approval is subject to each the following conditions which are stated by GPC, the Assessment Manager.

Part 1a: Approval sought under Land Use Plan – Port Application

GENERAL

1. Development must be carried out generally in accordance with the Approved plans, except where modified by conditions of this permit.
2. Unless otherwise stated, all conditions must be complied with and completed prior to the commencement of the development.
3. Where additional “approval” is required under these conditions by GPC for drawings or documentation the proponent must submit for review, amend to the satisfaction of, and obtain written approval from the Assessment Manager.
4. The proponent must at its cost and expense, keep and maintain the development footprint, including existing services, in a state that is satisfactory to the Assessment Manager (GPC).

Amended Plans

5. Prior to commencing work, submit to and have approved by the Assessment Manager amended plans as follows:
 - a) Amended Construction Environmental Management Plan, FDC Construction and Fitout, Central Queensland University School of Manufacturing dated March 2021 including hours of construction operations consistent with condition 41 in related approval DA2020/05/01, being: 6.30am to 6.30pm Monday to Friday and 6.30am to 12.30pm Saturday. No works shall be undertaken on Sunday or public holidays. .
 - b) Amended Traffic Management Plan, CQ University – School of Mines and Manufacturing Project No. 450045, Gladstone Campus, Project Rev: A, date: 01/04/2019 to demonstrate:
 - construction employee car parking is provided within the construction site or construction compound and within existing broader CQU facility car parks; and
 - management strategies and controls are provided for safe pedestrian access, including bike riding access, along Bryan Jordan Drive.

Once approved, the works must be carried out in accordance with the amended plans and the amended plans will form part of the Approved plans.

ENGINEERING

6. Upon completion of the works, the proponent must supply GPC with certified “As Constructed” plans in both hard copy (2 of) and electronic (CAD format), which illustrate all infrastructure and services installed on, under or over Port land associated with the activity.
7. “As Constructed” plans must be updated versions of the approved “for construction” plans.
8. Upon completion of the works the proponent must also certify that the development is constructed as per design and generally in accordance with the approved plans prior to the use commencing. Plans shall be certified by an appropriately qualified and competent person, including RPEQ Engineer or Licenced Building Certifier.
9. Construction access area identified on Dwg no. CQU-GLD-015-ARC-01-03 Rev A as amended in section 7, must be constructed with material CBR 80 obtained from Butler Quarry, to a depth of 150mm which is appropriately compacted.

Hours for Construction

10. The hours for the construction of the facility (i.e. operation of any machinery and/or other equipment) is to be restricted to between 6.30am and 6:30pm Monday to Friday and 6.30am to 12.30pm Saturday. No works shall be undertaken on Sunday or on public holidays. Any variations to these times will be subject to the written approval of GPC.

Traffic Management

11. Prior to commencing any works external to the lease area, construction access or construction compound, submit to and have approved by the Assessment Manager a Traffic Management Plan and Traffic Guidance Scheme designed and implemented in accordance with the current edition of the Manual of Uniform Traffic Control Devices, Part 3 – works on roads. This requirement applies to any works within 6m of any pedestrian paths or roadways.

Once approved, the works must be carried out in accordance with Traffic Management Plan and the plan will form part of the Approved plans.

Infrastructure

12. The applicant must notify the Assessment Manager (GPC) of damage caused to any port or port user infrastructure or services including, but not limited to, security related devices, buildings, fences, lighting etc., roads, walkways and underground services or infrastructure, as a result of the approved use or during construction. The proponent must undertake necessary repairs at their expense and to the satisfaction of the Assessment Manager (GPC).
13. Upon completion of the construction works, the proponent must reinstate the property to the same condition prior to the works being undertaken unless agreed to in writing by GPC.

Acid Sulphate Soils

14. In the event acid sulphate soils are disturbed/excavated and require treatment on site or any land owned by GPC, a site specific acid sulphate management plan, including treatment locality and volumes and disposal locality, must be submitted to GPC for approval prior to such works commencing.

Upon approval of the management plan, the works must be carried out in accordance with this plan and the plan will form part of the Approved plans.

Excavation Material

15. Excess cut material is not to be stored on GPC land at any time, unless approved in writing by GPC.

Fill Material

16. Fill material must be uncontaminated and obtained from a licensed quarry, unless approved in writing by GPC.

Construction Compound

17. Prior to commencing work, submit to and have approved by the Assessment Manager, a drawing identifying the location and size of the construction compound/s to be used for the duration of the construction phase of the development. The drawing must identify the activities to be carried out within the construction compound including the number of car parks to be provided.
18. The construction compound, including offices, laydown areas and employee car parking, is to be contained within the nominated area unless otherwise approved in writing by GPC.

Car Parking

19. Employee and contractor car parking must be provided within the construction site, construction compound and existing broader CQU facility car parks.

20. Construction employees and contractors must not use car parking provided for the Gladstone Marine Centre, Gladstone Marina and Gladstone Ferry Terminal.

Waste management

21. At all times, maintain and operate an adequate waste disposal service, including the maintenance of refuse bins and associated storage areas so as not to cause an environmental nuisance.

Lighting

22. Any site lighting used during construction should not impact on the visibility of Navigational Aids utilised for the primary shipping channels nor illuminate a landward glare beyond the site boundary. Lighting must be continually reviewed during construction with respect to navigation and will be revised as required in response to negative impacts as they arise.

ENVIRONMENT

Construction Environmental Management Plan

23. Prior to construction works commencing on site, a Construction Environmental Management Plan (CEMP) specific to these works, is to be submitted to the Assessment Manager (GPC) for approval.

The construction must be undertaken in accordance with the approved CEMP that ensures:

- a) environmental risks, including but not limited to, noise, odour, lighting, dust, are identified, managed and continually assessed in relation to the construction activity ;
- b) that staff are trained and aware of their obligations under the EMP, including a copy of the management plan and development approval available on site at all times;
- c) that reviews of environmental performance are undertaken at least annually; and
- d) any amendments to the EMP, including any listed within these conditions of approval, are to be submitted to GPC for review and approval.

Once approved by the Assessment Manager, the construction activity must be carried out in accordance with this CEMP.

Incident notification

24. At all times, Gladstone Ports Corporation Environment Hotline (07) 4976 1617 is to be notified of the occurrence of any:
- a) release / spill of contaminants (e.g. fuels / chemicals / sewerage) greater than 250L to land;
 - b) release / spill of contaminants (e.g. fuels / chemicals / sewerage) of any amount to water;
 - c) any environmental complaints received by the holder of this approval; and
 - d) non-compliance with environment related conditions of this approval, or any other environmental approval obtained in relation to the approved activity.

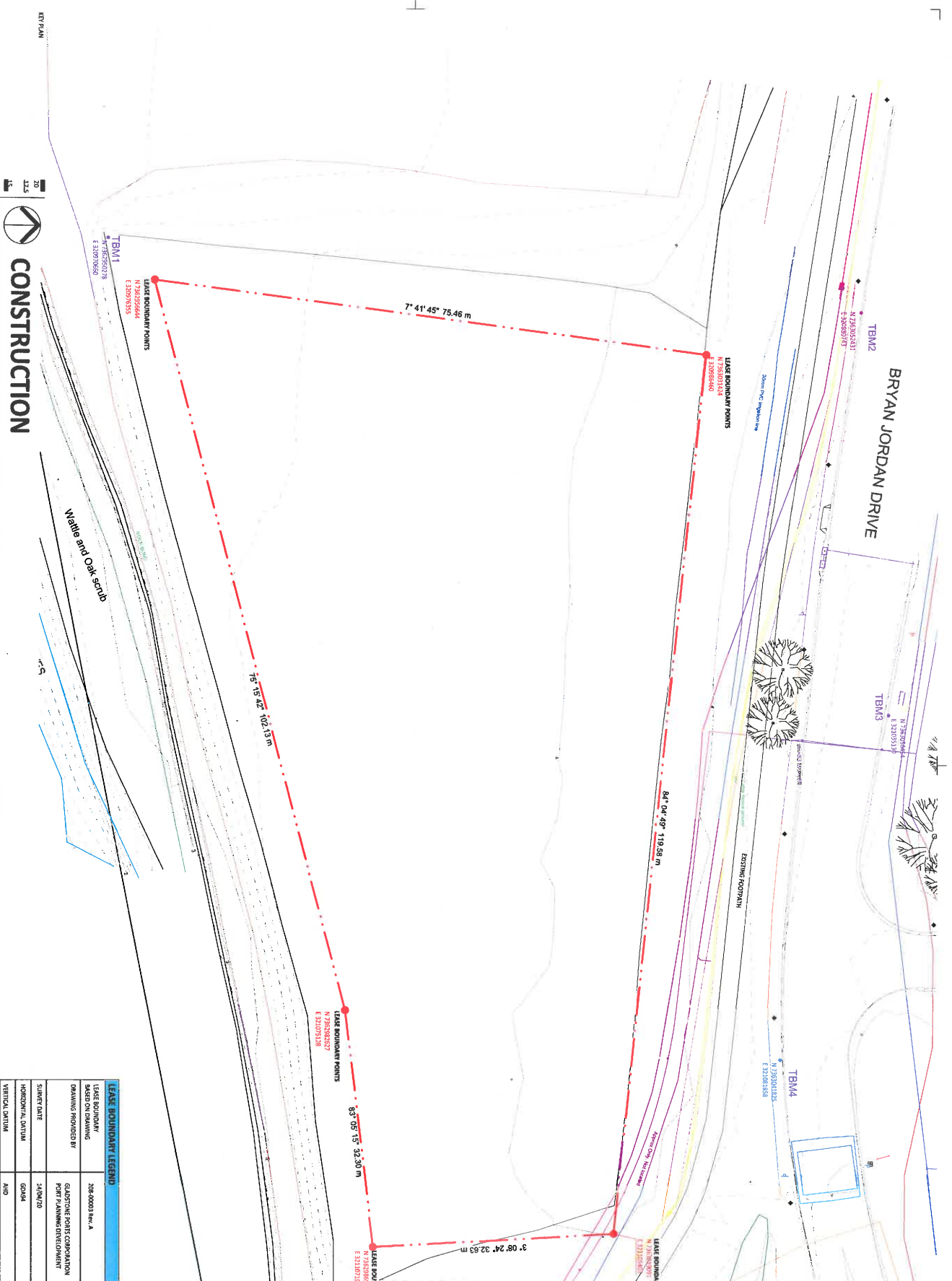
ADVICE NOTES

1. The proponent must comply with the related development approval DA2020/05/01.
2. All other relevant approvals must be obtained before commencement of the development or operation of the development, including any Building works or Plumbing and drainage works and Port Application for other infrastructure and services.
3. The *Environmental Protection Act 1994* states that a person must not carry out any activity that causes, or is likely to cause, environmental harm unless the person takes all reasonable and practicable measures to prevent or minimise the harm. Environmental harm includes environmental nuisance. In this regard persons and entities, involved in the civil, earthworks, construction, and operational phases of this development, are to adhere to their 'general environmental duty' to minimise the risk of causing environmental harm.

4. This decision notice does not represent an approval to commence Building work.
5. Where the Applicant is required to submit further documentation to the Assessment Manager, this is to be directed to the Planning section at planning@gpcl.com.au, including reference to the allocated development application number.
6. Where a construction compound, laydown area or acid sulphate soil treatment site is required outside the lease area for the development, the proponent or their contractor is required to apply for and obtain a Consent to Enter from GPC's Property Specialist via 07 4976 1334 or property@gpcl.com.au prior to works commencing.

Attachment 2 Approved Plans and Specifications

APPROVED
23/4/21 gm



CONSTRUCTION

AMENDMENTS
No. Description
A. FOR CONSTRUCTION
31/07/21 01

PEDDLE THORP
architecture | interiors | health | planning
Brisbane
Cairns
Townsville
T: 41 07131100
E: enquiries@peddlethorp.com.au
W: peddlethorp.com.au

CONSULTANTS
Architects: Middle Point, 417 7000 9000
Cairns, 417 298 8422
Structural Engineer: Hinged Design, 417 241 7444
Mechanical Engineer: Hinged Design, 417 241 7444
Civil Engineer: Hinged Design, 417 241 7444
Landscape Architect: Hinged Design, 417 241 7444

CLIENT
CQU UNIVERSITY AUSTRALIA
CQU-GID-015-00-ARC-003

FDC
FDC Construction & Fitout

PROJECT
CQ UNIVERSITY - GLADSTONE
SCHOOL OF MANUFACTURING
DRAWING
SITE PLAN - EXISTING

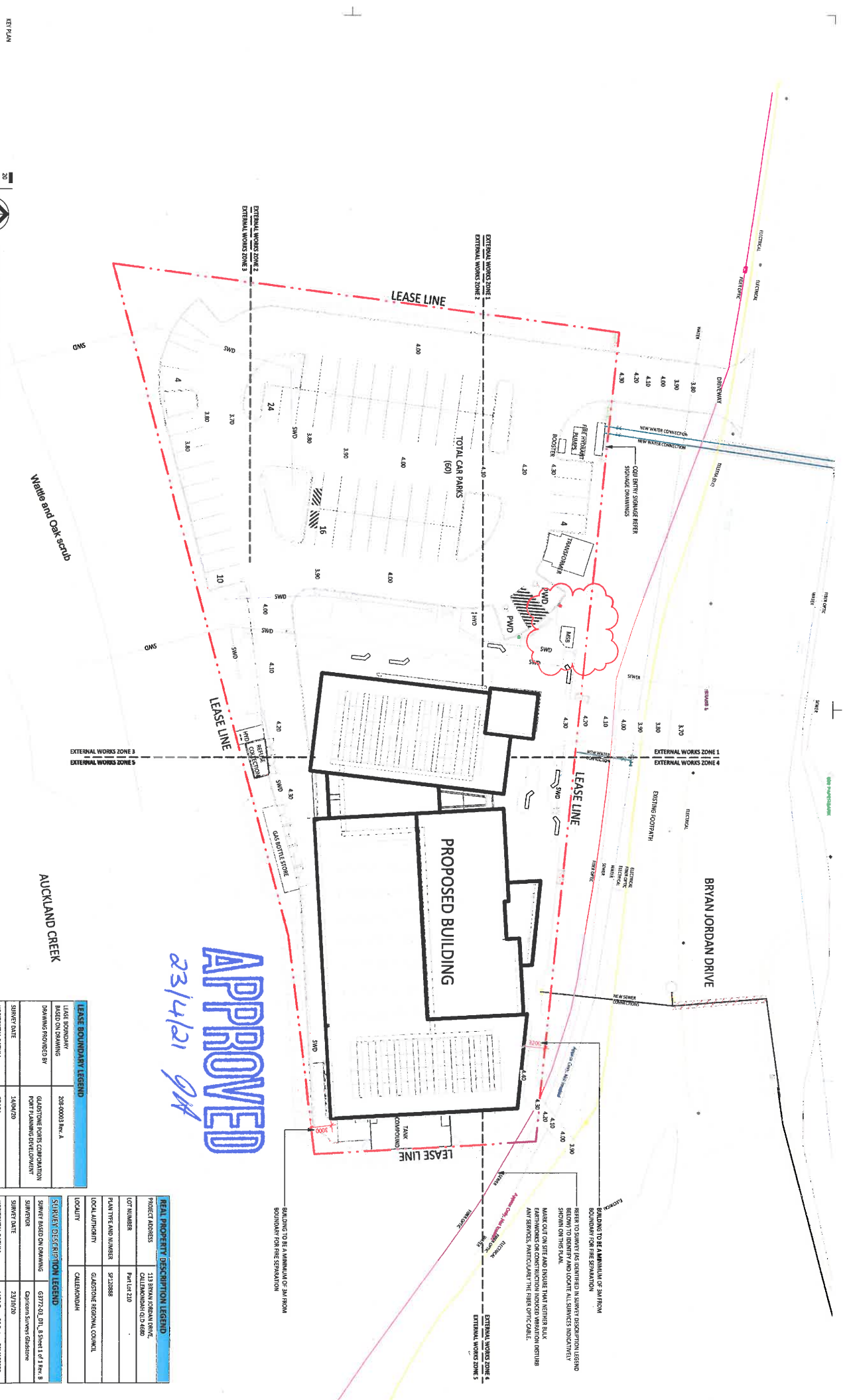
LEASE BOUNDARY LEGEND	
LEASE BOUNDARY LINES ON DRAWING	208-0003 Rev. A
DRAWING PROVIDED BY	GLADSTONE POINTS CORPORATION PORT PLANNING DEVELOPMENT
SUBMIT DATE	5/06/20
HORIZONTAL DATUM	GDA84
VERTICAL DATUM	AGD

LOCAL PROPERTY DESCRIPTION LEGEND	
PROJECT ADDRESS	113 BRYAN JORDAN DRIVE, GLADSTONE QLD 4680
LOT NUMBER	Part Lot 210
PLAN TYPE AND NUMBER	SP2088
LOCAL AUTHORITY	GLADSTONE REGIONAL COUNCIL
OCCUPANT	QUEENSLAND

SURRENDER SCHEDULE LEGEND	
SURRENDER BASED ON DRAWING	6377-03-D11_3 Sheet 1 of 1 Rev. B
SURRENDER	Capexon Survey, Gladstone
SURRENDER DATE	23/10/20
HORIZONTAL DATUM	MGA Zone 56 Datum BM418099
VERTICAL DATUM	AND BRENDA 56438399

REVISIONS
NO. DESCRIPTION
A1 SCALE (A4) 213x5
PROJ. NO. 213145
AUTHORISED
DATE 10/02/2021

SCALE
A



CONSTRUCTION

- 12.5
- 20
- 12.5
- 15
- 12.5
- 2.5
- 2.5

PEDDLE THORP
 Architecture | Interiors | Health | Planning
 Cairns
 Townsville

CONTRACTORS
 24hr Site 0417 2266 999
 08am - 5pm 0417 2266 999
 08am - 5pm 0417 2266 999
 08am - 5pm 0417 2266 999
 08am - 5pm 0417 2266 999
 08am - 5pm 0417 2266 999

CREDIT
 CQ University
 AUSTRALIA

FDCC
 FDC Construction & Fitout

PROJECT
 CQ UNIVERSITY - GLADSTONE
 SCHOOL OF MANUFACTURING
 DRAWING
 SITE PLAN - PROPOSED

LEASE BOUNDARY LEGEND	
LEASE BOUNDARY BASED ON DRAWING	208-0003 Rev. A
DRAWING PROVIDED BY	GLADSTONE PORTS CORPORATION
PROJECT NAME	PORT PLANNING DEVELOPMENT
SHEET DATE	14/04/20
HORIZONTAL DATUM	GD084
VERTICAL DATUM	AHD

NEAL PROPERTY DESCRIPTION LEGEND	
PROJECT ADDRESS	113 BRYAN JORDAN DRIVE, CAULDRON QLD 4880
LOT NUMBER	Part Lot 210
PLAN TYPE AND NUMBER	SP212888
LOCAL AUTHORITY	GLADSTONE REGIONAL COUNCIL
LOCALITY	CAULDRON QLD
SURVEY DESCRIPTION LEGEND	
SURVEY BASED ON DRAWING	G7772-02-DTL, SHEET 1 OF 16, 8
SURVEYOR	Capricorn Survey Solutions
SURVEY DATE	23/10/20
HORIZONTAL DATUM	MOG Datum 56 Datum F94M87999
VERTICAL DATUM	AHD DERIVED D94M87999

AMENDMENTS
 No. Description
 A. FOR CONSTRUCTION
 B. MODIFIED
 18/02/21 BY
 04/02/21 MC

CONTRACTORS
 24hr Site 0417 2266 999
 08am - 5pm 0417 2266 999
 08am - 5pm 0417 2266 999
 08am - 5pm 0417 2266 999
 08am - 5pm 0417 2266 999
 08am - 5pm 0417 2266 999

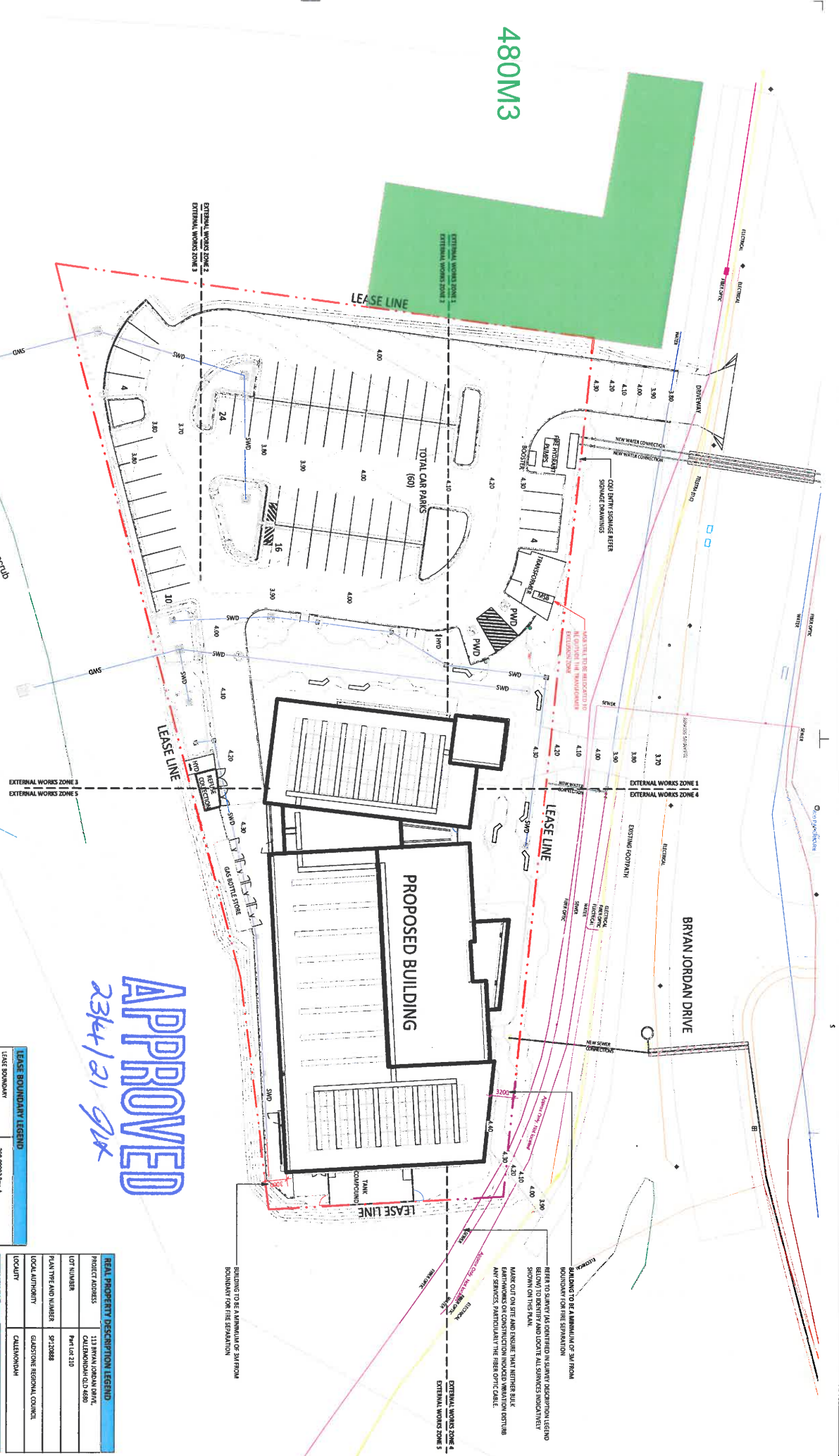
CREDIT
 CQ University
 AUSTRALIA

FDCC
 FDC Construction & Fitout

PROJECT
 CQ UNIVERSITY - GLADSTONE
 SCHOOL OF MANUFACTURING
 DRAWING
 SITE PLAN - PROPOSED

DRAWING INFO	
SCALE (IF ANY)	1:250
PROJECT NO.	213195
DATE	18/02/2021
ISSUE	B

480M3



APPROVED

23/4/21 GK

CONSTRUCTION



AMENDMENTS

2.5	No Construction
2.5	CONSTRUCTION
2.5	CONSTRUCTION
2.5	CONSTRUCTION
2.5	CONSTRUCTION
2.5	CONSTRUCTION

PEDDLE THORP
architects | interiors | health | planning
Brisbane
Claremont
Townsville

T: 481 1111 0000
E: info@peddlethorp.com.au
W: peddlethorp.com.au

CONTRACTORS

Structural Engineer	Project No: 481-1111-0000
Mechanical Engineer	Contract: 481-1111-0000
Electrical Engineer	Design: 481-1111-0000
Plumbing Engineer	Design: 481-1111-0000
Civil Engineer	Design: 481-1111-0000
Landscaping Architect	Design: 481-1111-0000
Other	Design: 481-1111-0000

CLIENT

UNIVERSITY OF AUSTRALIA

FDCC
FDC Construction & Fitout

LEASE BOUNDARY LEGEND	
LEASE BOUNDARY BASED ON DRAWING	238-0003 Rev. A
DRAWING PROVIDED BY	GLADSTONE PORTS CORPORATION
SHEET DATE	14/04/20
HORIZONTAL DATUM	GDA84
VERTICAL DATUM	AHD

SURVEY DESCRIPTION LEGEND	
SURVEY BASED ON DRAWING	63772-03-DTL'S SHEET 1 of 8
SURVEYOR	Carlson Survey Solutions
SHEET DATE	23/10/20
HORIZONTAL DATUM	GDA84
VERTICAL DATUM	AHD REVD 1984/18099

REAL PROPERTY DESCRIPTION LEGEND	
PROJECT ADDRESS	113 BRYAN JORDAN DRIVE, CALLEDRAH QLD 4880
LOT NUMBER	Part of Lot 310
PLAN TYPE AND NUMBER	SP720888
LOCAL AUTHORITY	GLADSTONE REGIONAL COUNCIL
LOCALITY	ALLEDRAH

PROJECT
CQ UNIVERSITY - GLADSTONE SCHOOL OF MANUFACTURING
DRAWING
SITE PLAN - PROPOSED CONSTRUCTION ACCESS
as amended 22/04/2021

ISSUE AND APPROVAL	
DATE OF ISSUE	15/02/2021
ISSUED BY	...
APPROVED BY	...
DATE	15/02/2021
ISSUE	A

15/02/2021 9:48:24 PM C:\pvt\client\Bryans\231743_A_CQU-SO-MAN-CD-GLD_NEW_ISS_001.dwg

WARNING
 BEWARE OF UNDERGROUND SERVICES. THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN INTERPOLATED FROM GIS DATA OR KNOWN POSITIONS OF VALVES, MANHOLES, ETC. OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED. ENSURE ALL SERVICES ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK.

- LEGEND**
- EXISTING CONTOURS
 - PROPERTY BOUNDARY
 - BULK EARTHWORKS MAJOR CONTOURS
 - PROPOSED BATTER TOP
 - PROPOSED BATTER TOE
 - PROPOSED CUT
 - PROPOSED FILL
 - EXISTING BATTER TOP AND TOE
 - EXISTING ROAD LP
 - EXISTING UNDERGROUND ELECTRICAL
 - EXISTING UNDERGROUND ELECTRICAL
 - EXISTING SEWER RISING MAIN
 - EXISTING WATER LINE
 - EXISTING STORMWATER
 - EXISTING TELECOMMUNICATION
 - EXISTING FIBRE OPTIC LINES

THE DESIGN OF WORKING PLATFORM TO BE COMPLETED BY THE CONTRACTOR'S QUALIFIED GEOTECHNICAL ENGINEER TO SUIT THE TYPE OF PILING / SIZE OF PILING RIG AND STRENGTH OF MATERIAL ON SITE

EARTHWORKS - TOTAL
 Project: A12074 COU Gladstone
 Date: Thu Feb 4 08:48:28 2021
 Report File: BEWKS QUANTITIES_210204.rpt

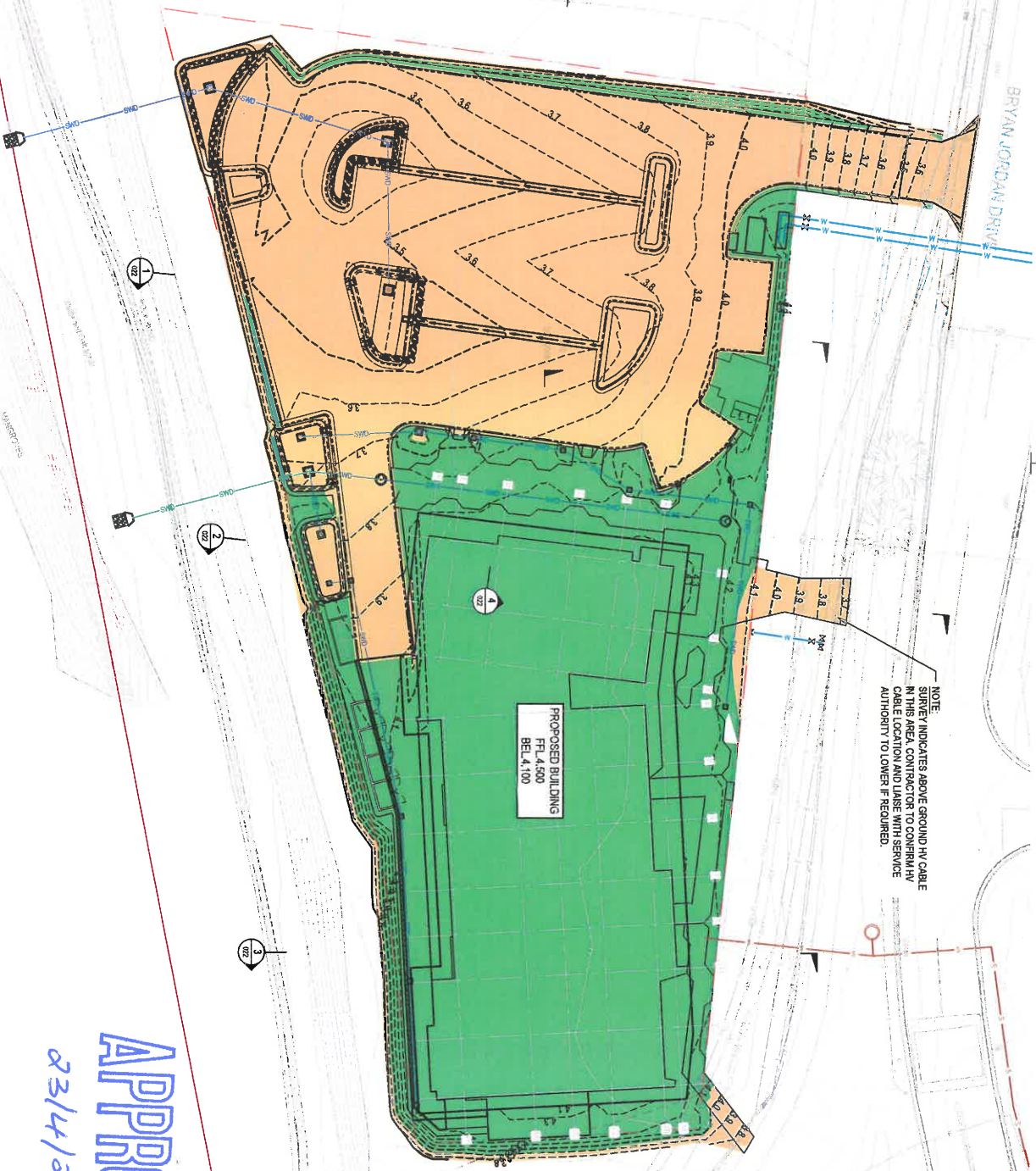
Volumes from the 'EXIST' to the 'S BEWKS' (with no plan polygon)

cut volumes are negative
 fill volumes are positive

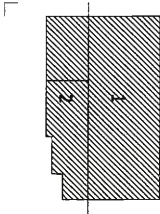
Total cut	-856,897
Total fill	560,886
Total balance	-296,011

NOTE:
 1. INDICATED EARTHWORKS VOLUMES ARE NET AND EXCLUDE BUILDING / COMPACTON FACTORS.
 2. SPOIL LOCATION FOR EXCESS CUT MATERIAL TO BE ADVISED BY THE SUPERINTENDENT.
 3. NO STRIPPING OF EXISTING SURFACE IS INCLUDED IN BULK EARTHWORKS QUANTITIES.

FOR CONSTRUCTION



NOTE:
 SURVEY INDICATES ABOVE GROUND HV CABLE IN THIS AREA. CONTRACTOR TO CONFER HV CABLE LOCATION AND LANE WITH SERVICE AUTHORITY TO LOWER IF REQUIRED.



APPENDICES
 A. SITE PLAN FOR CONSTRUCTION

Cardno
 Cardno (Pty) Ltd
 Level 11, 515 St Pauls Terrace
 Fernhill, QLD 4055
 Tel: 07 5500 0000
 Web: www.cardno.com.au

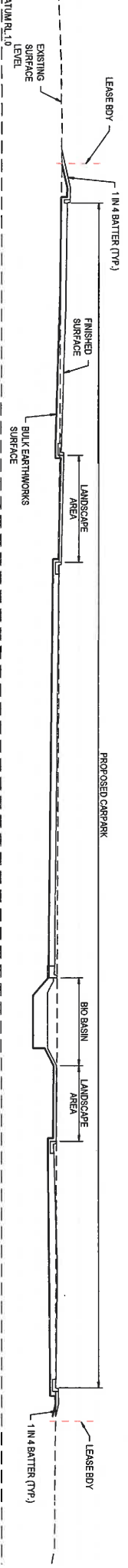
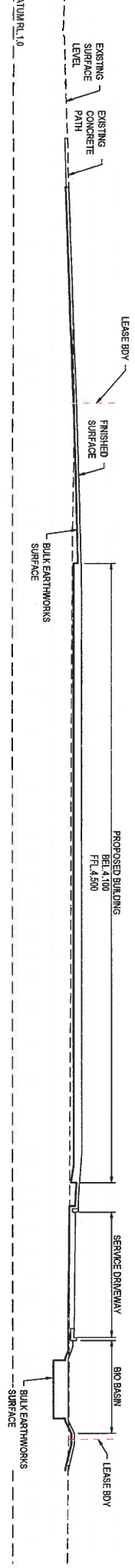
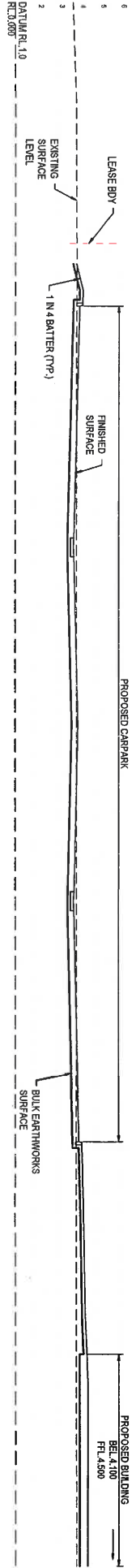
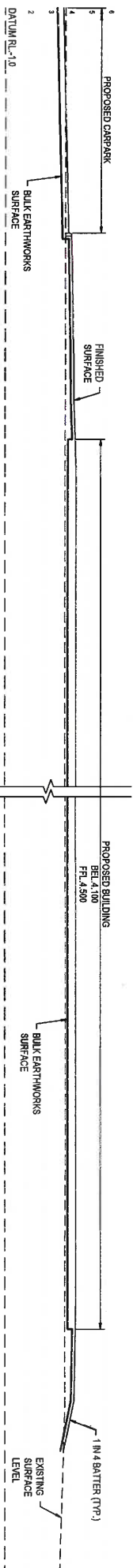
CONSULTANTS
 Project Engineer: **Michael Taylor**
 Registered Engineer No. 17307
 Registered Drawing No. 17307
 Phone: 07 5500 0000
 Fax: 07 5500 0000
 Email: michael.taylor@cardno.com.au

CLIENT
FDC
 FDC Construction & Fitout
 173 St Pauls Terrace
 Fernhill, QLD 4055
 Phone: 07 5500 0000
 Fax: 07 5500 0000
 Email: fdc@fdc.com.au

PROJECT
CQ UNIVERSITY - GLADSTONE
SCHOOL OF MANUFACTURING
BEWKS
LAYOUT PLAN

APPROVED
 23/4/21 OK

DRAWING NO.	CUU-GLD-015-GN-CIV-020
SCALE (IF ANY)	AS SHOWN
PROJECT NO.	150045
DATE	14/07/2021
ISSUE	A



THE DESIGN OF WORKING PLATFORM TO BE COMPLETED BY THE CONTRACTOR'S QUALIFIED GEOTECHNICAL ENGINEER TO SUIT THE TYPE OF PILES / SIZE OF PILING RIG AND STRENGTH OF MATERIAL ON SITE.

APPROVED
23/4/21 QW

FOR CONSTRUCTION

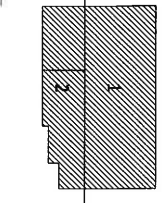


CONTRACTORS
FDC Construction & Fitout



PROJECT
CQ UNIVERSITY - GLADSTONE
SCHOOL OF MANUFACTURING
BEWKS

APPROVED SIGNATURE	DATE
	20/03/2021
DATE	4/02/2021
SHEET	A



DATE	04/02/21
BY	LS
FOR	FOR CONSTRUCTION

Caridno
Civil Engineering
11, 35-51 Park Street
Federation Valley, QLD 4008 9732
www.caridno.com.au

CONTRACTORS
FDC Construction & Fitout
11, 35-51 Park Street
Federation Valley, QLD 4008 9732
www.fdc.com.au

CQU UNIVERSITY AUSTRALIA
Gladstone Campus
11, 35-51 Park Street
Federation Valley, QLD 4008 9732
www.cqu.edu.au

FDC Construction & Fitout
11, 35-51 Park Street
Federation Valley, QLD 4008 9732
www.fdc.com.au

PROJECT
CQ UNIVERSITY - GLADSTONE
SCHOOL OF MANUFACTURING
BEWKS

APPROVED SIGNATURE	DATE
	04/02/2021
DATE	4/02/2021
SHEET	A

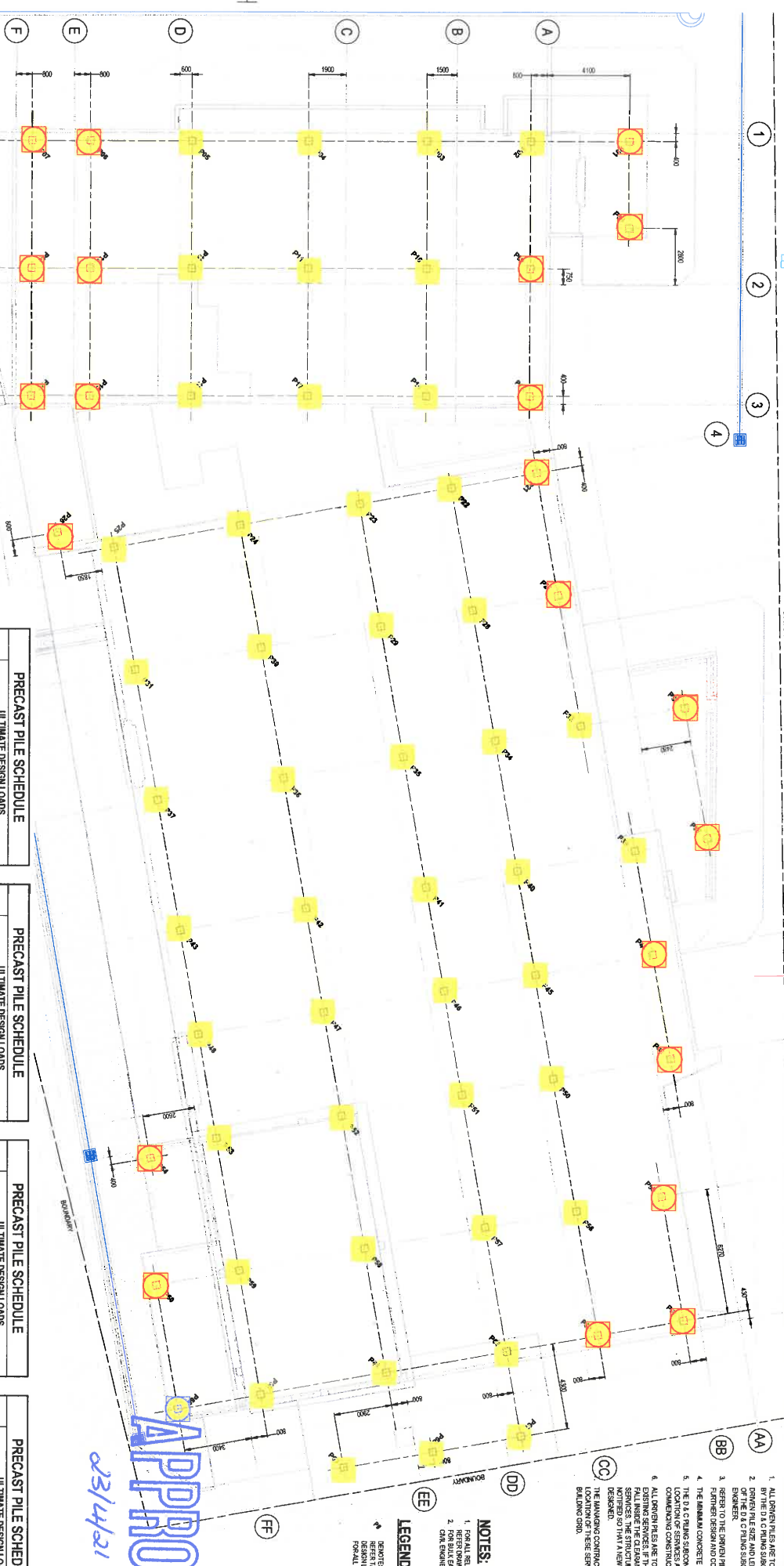
1. ALL DRIVEN PILES ARE TO BE DESIGNED AND CENTERED BY THE D.O.C PILING SUBCONTRACTOR.
2. DRIVEN PILE SIZE AND LENGTH ARE AT THE DISCRETION OF THE D.O.C PILING SUBCONTRACTOR'S DESIGN.
3. REFER TO THE DRIVEN PILE INSPECTION REPORT FOR FURTHER DESIGN AND CONSTRUCTION REQUIREMENTS.
4. THE MINIMUM CONCRETE GRADE SHALL BE M2.
5. THE D.O.C PILING SUBCONTRACTOR IS TO CONDUCT THE LOCATION OF SERVICES AND ANY EXISTENTS PRIOR TO COMMENCING CONSTRUCTION.
6. ALL DRIVEN PILES ARE TO BE 120MM CLEAR OF ANY EXISTING SERVICES IN THE EVENT OF A SERVICE WORKING IN THE VICINITY OF THE PILES. THE STRUCTURAL ENGINEER IS TO BE NOTIFIED SO THAT A NEW PILE LOCATION CAN BE DETERMINED.
7. THE CONTRACTOR IS TO ASSURE THE LOCATION OF THESE SERVICES IN RELATION TO THE BUILDING GRID.

NOTES:

1. FOR ALL RELEVANT CONSTRUCTION NOTES REFER TO THE D.O.C PILING SUBCONTRACTOR'S DESIGN AND CONSTRUCTION REPORT FOR ALL OTHER DETAILS.

LEGEND:

☐ DENOTES PRECAST DRIVEN PILES. RESOLUTIONS AND COMMENTS FOR ALL OTHER DETAILS.



PRECAST PILE SCHEDULE

MARK	ULTIMATE DESIGN LOADS		
	MAX COMPRESSION (kN)	MAX TENSION (kN)	MAX SHEAR* (kN)
P01	500	0	40
P02	500	0	40
P03	500	0	40
P04	500	0	40
P05	500	0	40
P06	500	0	40
P07	500	0	40
P08	500	0	40
P09	500	0	40
P10	500	0	40
P11	500	0	40
P12	500	0	40
P13	500	0	40
P14	500	0	40
P15	500	0	40
P16	500	0	40
P17	500	0	40

PRECAST PILE SCHEDULE

MARK	ULTIMATE DESIGN LOADS		
	MAX COMPRESSION (kN)	MAX TENSION (kN)	MAX SHEAR* (kN)
P18	500	0	40
P19	500	0	40
P20	500	0	40
P21	500	0	40
P22	500	0	40
P23	500	0	40
P24	500	0	40
P25	500	0	40
P26	500	0	40
P27	500	0	40
P28	500	0	40
P29	500	0	40
P30	500	0	40
P31	500	0	40
P32	500	0	40
P33	500	0	40
P34	500	0	40

PRECAST PILE SCHEDULE

MARK	ULTIMATE DESIGN LOADS		
	MAX COMPRESSION (kN)	MAX TENSION (kN)	MAX SHEAR* (kN)
P35	500	0	40
P36	500	0	40
P37	500	0	40
P38	500	0	40
P39	500	0	40
P40	500	0	40
P41	500	0	40
P42	500	0	40
P43	500	0	40
P44	500	0	40
P45	500	0	40
P46	500	0	40
P47	500	0	40
P48	500	0	40
P49	500	0	40
P50	500	0	40

PRECAST PILE SCHEDULE

MARK	ULTIMATE DESIGN LOADS		
	MAX COMPRESSION (kN)	MAX TENSION (kN)	MAX SHEAR* (kN)
P51	500	0	40
P52	500	0	40
P53	500	0	40
P54	500	0	40
P55	500	0	40
P56	500	0	40
P57	500	0	40
P58	500	0	40
P59	500	0	40
P60	500	0	40
P61	500	0	40
P62	500	0	40
P63	500	0	40
P64	500	0	40
P65	500	0	40
P66	500	0	40
P67	500	0	40
P68	500	0	40
P69	500	0	40
P70	500	0	40

Construction Design

LOP = 21m (9m bottom / 12m Top)

LOP = 18m (6m bottom / 12m Top)

SCALE 1:100

FOOTING PLAN

NOTE:
 ALL DRIVEN PILES ARE TO BE DESIGNED AND CENTERED BY THE D.O.C PILING SUBCONTRACTOR.
 DRIVEN PILE SIZE AND LENGTH ARE AT THE DISCRETION OF THE D.O.C PILING SUBCONTRACTOR'S DESIGN.
 REFER TO THE DRIVEN PILE INSPECTION REPORT FOR FURTHER DESIGN AND CONSTRUCTION REQUIREMENTS.
 THE MINIMUM CONCRETE GRADE SHALL BE M2.
 THE D.O.C PILING SUBCONTRACTOR IS TO CONDUCT THE LOCATION OF SERVICES AND ANY EXISTENTS PRIOR TO COMMENCING CONSTRUCTION.
 ALL DRIVEN PILES ARE TO BE 120MM CLEAR OF ANY EXISTING SERVICES IN THE EVENT OF A SERVICE WORKING IN THE VICINITY OF THE PILES. THE STRUCTURAL ENGINEER IS TO BE NOTIFIED SO THAT A NEW PILE LOCATION CAN BE DETERMINED.
 THE CONTRACTOR IS TO ASSURE THE LOCATION OF THESE SERVICES IN RELATION TO THE BUILDING GRID.



Amendments

No.	Description	Date	By
A	REVISION FOR CONSTRUCTION	24/03/21	RS

CONSULTANTS

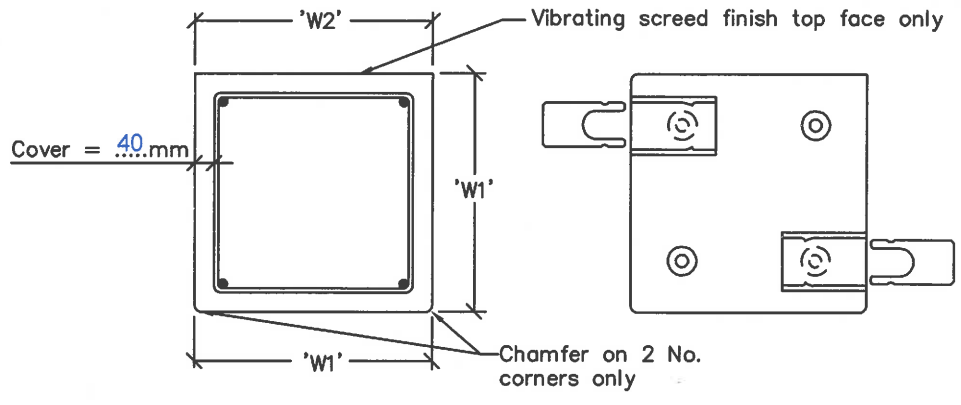
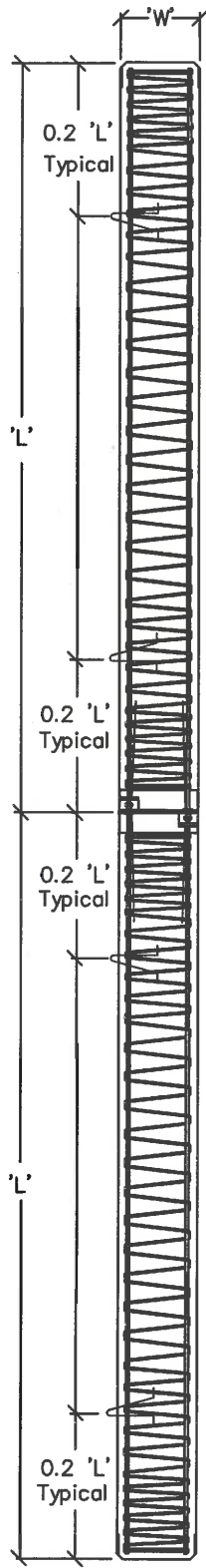
Author: [Name]
 Structural Engineer: [Name]
 Mechanical Engineer: [Name]
 Electrical Engineer: [Name]
 Civil Engineer: [Name]
 Landscape Architect: [Name]
 Other: [Name]

CLIENT:
 CQU-GLD-015-GN-STL-010

PROJECT:
 CQ UNIVERSITY - GLADSTONE
 SCHOOL OF MANUFACTURING
 FOOTING PLAN

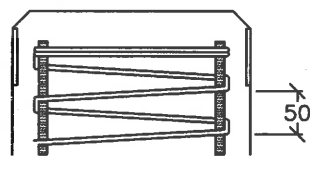
APPROVED
 23/03/21
 RS

REVISED BY	DATE	SCALE	NO.
A1	As Issued	ASIS	24/03/21

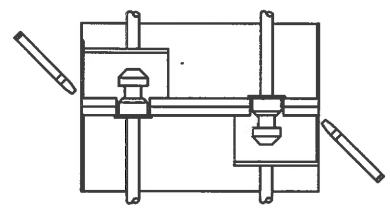


PILE SECTION
DETAIL

TOP VIEW
DYNAMIC-SPLICE



PILE HEAD
DETAIL



SECTIONAL VIEW
DYNAMIC-SPLICE

TECHNICAL DATA

GENERAL

Pile Width: -
 'W1' - 275mm, (Tolerance +10,-5)
 'W2' - 280mm, (Tolerance +10,-5)
 Pile Element Lengths 'L' - 6m, 9m, 12m or to suit. (Tolerance +250mm, -100mm)

60 MPa F'c Concrete (Cement Type GP)
 Cover 40mm (Tolerance in accordance with AS 3600 Cl 19.5.3 (a) (i))
 Steel Driving Ring 5mm PL x 65 wide at head and/or toe of pile (Grade 250)
 Steel Driving Shoe: 3mm base PL with 5mm thick x 65mm sides (Grade 250)

STEEL

Grade 500N Longitudinal Bars.....4N20.....
 R500L.....5mm Wire Spiral Pitch Varies: -50mm to 75mm for 1m from each end
 75mm to 100mm at 1 to 2m from each end
 100mm

(Tolerance in accordance with AS 3600 Cl 19.5.3 (b) (iii))

.....16mm diameter N bar.....lifting hooks

OTHER

23/4/21
 APPROVED

SCALE N.T.S.	WAGSTAFF PILING	CLIENT FDC Building	JOB No. 4895Q
DRAWN GW	Queensland: Head Office 1 Ashgrove Cres Ashgrove 4060 Ph. 07-3366-2555 Fax 07-3366-5608	PROJECT CQ UNIVERSITY - GLADSTONE SCHOOL OF MANUFACTURING	DWG No. 4895Q / 01
DESIGN GW	New South Wales 56 Tattersall Road Kings Park 2148 Ph. 02-9622-7099 Fax 02-9622-7133	SUBJECT PRECAST REINFORCED CONCRETE SEGMENTAL PILES	DATE 23/03/2021
CHECKED	Victoria 33 Nott Street Port Melbourne 3207 Ph. 03-9646-7500 Fax 03-9646-7799	REVISION SUFFIX A	SEGMENTAL PRECAST BASE DRAWING REVISION DATE 28TH SEPT 2010