



**Gladstone Ports Corporation**  
*Growth, Prosperity, Community.*

**DECISION NOTICE – DA 2017/02**

Application:	<b>Port Application (Operational Works) for FLNE Ferry Terminal Upgrade</b>
Applicant Name and address:	<b>Mr Michael Schwede Australia Pacific LNG (Shared Facilities) Pty Ltd PO Box 1243 MILTON QLD 4064</b>
Owner:	<b>Gladstone Ports Corporation Limited</b>
Subject Land:	<b>Part of Lot 1 on SP266154 and Part of Lot 504 on SP245961</b>
Location:	<b>Barge Landing Road Fisherman's Landing GLADSTONE</b>
Present Zoning	<b>Strategic Port Land</b>
Proposed Use:	<b>Permanent Ferry Terminal with carpark, bus and truck marshalling, goods/cargo loading and unloading</b>
Application Received:	<b>24 January 2017</b>

This development application was assessed on: **18 April 2017**

**1. Details Of The Approval**

**Development Permit:**

FLNE Ferry Terminal – passenger ferry terminal with carpark, bus and truck marshalling area, retrofit of existing buildings and construction of new security hut.

**2. Assessment Manager's Conditions**

In general the facilities are in compliance with the requirements of Gladstone Ports Corporation. It is to be noted that the following conditions will be complied with in the granting of this Development Application.

**GENERAL**

1. The proposed development must be carried out generally in accordance with the plans as lodged with the application except where modified by conditions of this permit.
2. Unless otherwise stated, all conditions must be completed prior to the commencement of the use.

3. Where additional "approval" is required under these conditions by the Gladstone Ports Corporation for drawings or documentation, the proponent must submit for review, amend to the satisfaction of, and obtain written acceptance from the Gladstone Ports Corporation. Only in this manner can compliance with the condition be achieved.
4. All other relevant regulatory approvals must be obtained before commencement of works or operation of the facility.
5. The proponent must inform the GPC of completion of works within 14 days of practical completion and undertake a site inspection with GPC. The proponent must also certify that the development is constructed as per design and provide RPEQ certification that the development has been constructed in accordance with the approved plans.
6. The proponent must at its cost and expense, keep and maintain the subject area, including existing services, in a state that is satisfactory to the Port.

## **ENGINEERING**

7. The proponent must supply the Port with "As Constructed" plans in both hard copy (2 of) and electronic (CAD format) which illustrates all infrastructure on Port land which is associated with the activity (e.g. detailed positions of underground services i.e. electrical and communications routes, water, sewage, stormwater drainage etc. and surface infrastructure e.g. offices, terminal, microwave tower, amenities and other buildings/huts, carpark, truck and bus marshalling area, lighting and guard rails etc.).
8. The proponent must maintain the street frontage in a clean and tidy manner that prevents weed growth around the fence etc.
9. The proponent is to notify GPC of damage/wear and tear caused to any port roads and associated infrastructure e.g. signage as a result of this activity. GPC will undertake necessary repairs at the expense of the proponent.
10. The holder must provide to GPC for approval a Construction Traffic Management Plan (CTMP) prior to initiation of works.
11. Operational traffic must be carried out in compliance with the GPC approved version of the Operational Traffic Management Plan (OTMP) and drawings. Any amendments to the OTMP or relevant drawings must be submitted for approval by the Gladstone Ports Corporation prior to implementation.
12. Site lighting 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 will be continually reviewed during construction and operations with respect to navigation and will be revised as required in response to negative impacts as they arise.

## **ENVIRONMENT**

13. Prior to the commencement of construction a Construction Environmental Management Plan, is to be developed in compliance with the approved draft Plan and implemented by the permit holder's contractor.
14. Construction works are to be carried out in accordance with the approved Construction Environmental Management Plan.
15. Prior to the initiation of works the proponent must provide evidence via a geotechnical report that Acid Sulphate Soils or Potential Acid Sulphate Soils are not present within the proposed excavation areas. Alternatively the proponent must prepare an Acid Sulphate Soil Management Plan.

16. Prior to commencement of terminal operations an Operations Environmental Management Plan (OEMP) is to be developed by the permit holder and approved by the Gladstone Ports Corporation.
17. Operations are to be conducted in accordance with the approved Operations Environmental Management Plan.
18. Any amendments to the approved Environmental Management Plans (Construction or Operations) must be approved by the Gladstone Ports Corporation.
19. GPC is to be notified within 24 hours of the permit holder becoming aware of any non-compliance with any environmental conditions specific to this approval. A written notification of the non-compliance is to occur within 10 business days.
20. Spills equal to or greater than 20 litres are to be reported within 24 hours of the spill occurring to the Gladstone Ports Corporation Environmental Hotline; 4976 1617.
21. The permit holder is to maintain a register of any spills of contaminants (e.g. hydrocarbons, sewage and chemicals) throughout construction and operation of the facility. The register at a minimum should contain the date, location, volume, substance spilled, and clean up details. The register is to be made available to GPC upon request.
22. Any spillage of wastes, contaminants or other materials must be cleaned up immediately. Such spillage must not be cleaned up by hosing, sweeping or otherwise releasing such materials to any stormwater drainage system (except where such systems are designed to remove such contaminants), road side gutters or waters.
23. Appropriate spill kits must be located within 10 metres of any loading/unloading points of hydrocarbons, sewage and chemicals. Persons involved with loading/unloading of hydrocarbons, sewage and chemicals must be trained in the use of these spill kits. Any waste generated as a result of spill clean-up (including but not limited to contaminated soil) is to be disposed of.
24. Fuel and Chemical storage on site must be done in accordance with the applicable Australian Standards.
25. Minor servicing (e.g. oil or grease top-ups) of vehicles, plant, or other equipment must have controls in place to prevent spilled contaminants being released to waters or land.
26. The permit holder will investigate any nuisance complaint (including but not limited to noise, air quality, light) received in relation to their construction or operation activities. Within 24 hours of receiving a complaint the permit holder is to notify the Gladstone Ports Corporation Environmental Hotline; 4976 1617.
27. Upon receipt of this Development Approval (DA), the holder must forward to GPC within 10 business days prior to operation of the activity, a copy of any environmental approvals issued for activities related to this land or DA, including those held by third parties e.g. an Environmental Authority. Any permissible changes or amendments to these approvals must also be forwarded to GPC within 20 business days of the variation coming into effect.

### 3. The Approved Plans –

The approved plans and/or documents forming part of this decision notice are listed in the following table:

<b>Document Reference</b>	<b>Plan / Document Name</b>	<b>Date</b>
Drw. No. 41-28663-C001 Rev E	Cover Sheet, Drawing List and Locality Plan	25/01/2017
Drw. No. 41-28663-C100 Rev C	Existing Features, Services and Salvageable Items Plan - Sheet 1 of 2	25/01/2017
Drw. No. 41-28663-C101 Rev C	Existing Features, Services and Salvageable Items Plan - Sheet 2 of 2	25/01/2017
Drw. No. 41-28663-C102 Rev D	Construction packages – Limit of Works	25/01/2017
Drw. No. 41-28663-C200 Rev D	Earthworks and Erosion and Sediment Control - Plan Sheet 1 of 2	25/01/2017
Drw. No. 41-28663-C201 Rev C	Earthworks and Erosion and Sediment Control - Plan Sheet 2 of 2	25/01/2017
Drw. No. 41-28663-C300 Rev C	Setout Plan – Sheet 1 of 2	25/01/2017
Drw. No. 41-28663-C301 Rev C	Setout Plan – Sheet 2 of 2	25/01/2017
Drw. No. 41-28663-C302 Rev C	Setout Tables	25/01/2017
Drw. No. 41-28663-C310 Rev C	Site Section and Details - Sheet 1 of 3	25/01/2017
Drw. No. 41-28663-C311 Rev C	Site Section and Details - Sheet 2 of 3	25/01/2017
Drw. No. 41-28663-C312 Rev C	Site Section and Details - Sheet 3 of 3	25/01/2017
Drw. No. 41-28663-C400 Rev C	Pavement, Linemarking and Signage Plan - Sheet 1 of 2	25/01/2017
Drw. No. 41-28663-C400 Rev C	Pavement, Linemarking and Signage Plan - Sheet 1 of 2	25/01/2017
Drw. No. 41-28663-C401 Rev C	Pavement, Linemarking and Signage Plan - Sheet 2 of 2	25/01/2017
Drw. No. 41-28663-C402 Rev C	Pavement, Linemarking and Signage Plan – Barge Landing Road	25/01/2017
Drw. No. 41-28663-C500 Rev C	Stormwater Drainage – Layout Plan – Sheet 1 of 2	25/01/2017
Drw. No. 41-28663-C501 Rev C	Stormwater Drainage – Layout Plan – Sheet 2 of 2	25/01/2017
Drw. No. 41-28663-C510 Rev C	Stormwater Drainage – Longitudinal Sections – Sheet 1 of 2	25/01/2017

<b>Document Reference</b>	<b>Plan / Document Name</b>	<b>Date</b>
Drw. No. 41-28663-C511 Rev C	Stormwater Drainage – Longitudinal Sections – Sheet 2 of 2	25/01/2017
Drw. No. 41-28663-C600 Rev F	Temporary Bus Parking Layout Plan	09/03/2017
Drw. No. 41-28663-C700 Rev C	Security Hut and Amenities – Layout and Specification	25/01/2017
Drw. No. 41-28663-E001 Rev E	Electrical Services – Area Lighting and CCTV	25/01/2017
Drw. No. 41-28663-E002 Rev E	Electrical Services – Schematics – Sheet 1 of 2	25/01/2017
Drw. No. 41-28663-E003 Rev D	Electrical Services – Schematics – Sheet 2 of 2	25/01/2017
Drw. No. 41-28663-E004 Rev E	Electrical Services – Building Details	25/01/2017
Drw. No. 41-28663-E005 Rev D	Electrical Services – General Notes and Details	25/01/2017
Drw. No. 41-28663-L001 Rev D	Landscape Plan – Sheet 1 of 2	25/01/2017
Drw. No. 41-28663-L002 Rev D	Landscape Plan – Sheet 2 of 2	25/01/2017
Drw. No. 41-28663-S001 Rev B	Comms Antenna and Hut Footing – Layout and Details	25/01/2017
Drw. No. 41-28663-S002 Rev B	Relocated Light Mounting Details	25/01/2017
Drw. No. 41-28663-S003 Rev B	Structural Notes – Sheet 1 of 3	25/01/2017
Drw. No. 41-28663-S004 Rev B	Structural Notes – Sheet 2 of 3	25/01/2017
Drw. No. 41-28663-S005 Rev B	Structural Notes – Sheet 3 of 3	25/01/2017
Drw. No. 41-28663-W001 Rev D	Raw Water Supply – Layout Plan and Details	25/01/2017
Drw. No. 41-28663-W002 Rev B	Irrigation Works – Project Brief & Details	25/01/2017
Drw. No. 41-28663-W003 Rev B	Irrigation Works – Concept Design	25/01/2017
Drw. No. 41-28663-W004 Rev B	Irrigation Works – Specification	25/01/2017
Drw.No. 28663-C402 Rev H	Linemarking and Signage Plan – Barge Landing Road	23/03/2017

<b>Document Reference</b>	<b>Plan / Document Name</b>	<b>Date</b>
Drw. No. 41-23078-C319 Rev 2	FLNE – Civil Services – Pavement Layout Plan and Details	25/02/2013
Drw. No. SKC001	Preliminary – Depth of Earthworks – Sheet 1 of 2	03/2017
Drw. No. SKC002	Preliminary – Depth of Earthworks – Sheet 2 of 2	03/2017
	Draft - FLNE Carpark Repurposing Works – Construction Environmental Management Plan	01/2017
	FLNE Carpark Repurposing Works – Stormwater Management Plan	11/2016

**4. When the Development Approval Takes Effect –**

If the application is approved, or approved subject to conditions, the decision notice, or if a negotiated decision notice is given, the negotiated decision notice, is taken to be the development approval and has effect on the date that the notice is signed by an authorised delegate of the Gladstone Ports Corporation.

**5. When Approval Lapses if Development Not Started**

The relevant period stated below applies to each aspect of development in this approval, as outlined below:-

- 4 years

**6. Other Necessary Development Approvals**

Listed below are the other development permits that are necessary to allow the development to be carried out:

- Development Permit for Building Works for the construction of any new structures.

**7. Appeal Rights**

No legislated appeal rights are afforded with this decision notice as the application was not made under the provisions of The Sustainable Planning Act 2009.

If you have concerns or queries regarding the conditions, please contact the undersigned on 4976 1287.

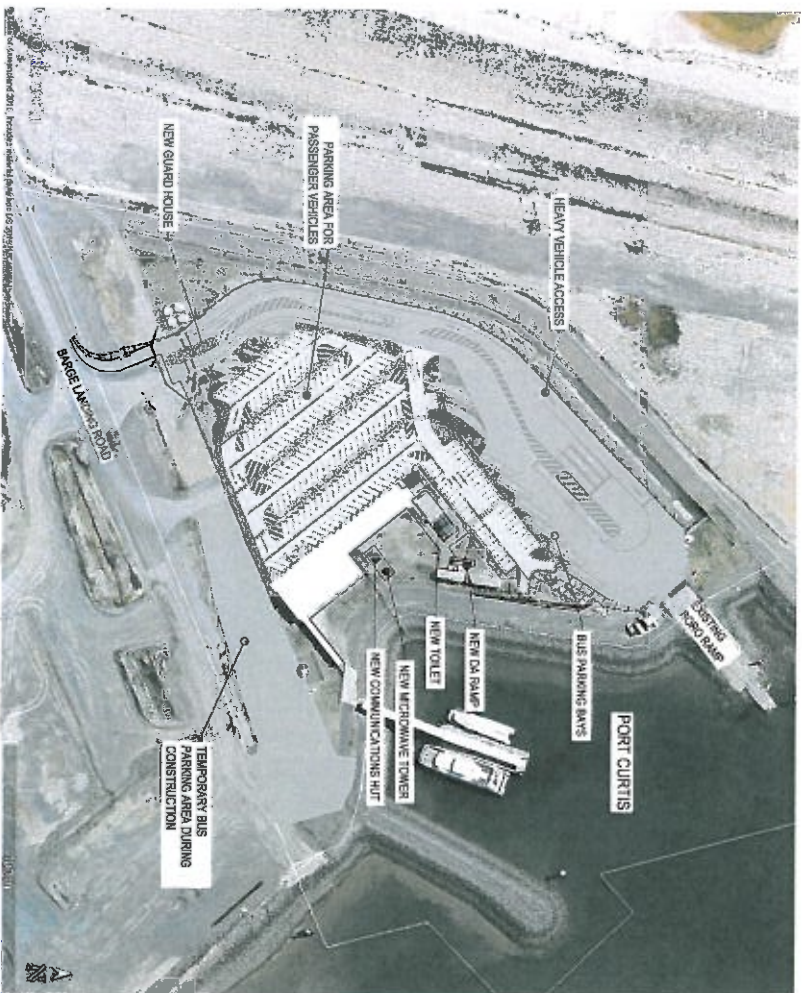
**8. Assessment Manager Certification**



**Sarah Hunter**  
**Senior Planning Officer**  
18 April 2017

# CONOCOPHILLIPS AUSTRALIA FLNE CARPARK REPURPOSING WORKS

## 41-28663



LOCALITY PLAN  
SCALE 1:1000

BOUNDARIES AND MARKERS NOT GUARANTEED

DWG No.	DRAWING TITLE	DWG No.	DRAWING LIST
41-28663-C001	COVER SHEET, DRAWING LIST AND LOCALITY PLAN	41-28663-C001	COVER SHEET, DRAWING LIST AND LOCALITY PLAN
41-28663-C100	EXISTING FEATURES, SERVICES AND SALVAGEABLE ITEMS PLAN SHEET 1 OF 2	41-28663-C100	EXISTING FEATURES, SERVICES AND SALVAGEABLE ITEMS PLAN SHEET 1 OF 2
41-28663-C101	EXISTING FEATURES, SERVICES AND SALVAGEABLE ITEMS PLAN SHEET 2 OF 2	41-28663-C101	EXISTING FEATURES, SERVICES AND SALVAGEABLE ITEMS PLAN SHEET 2 OF 2
41-28663-C102	CONSTRUCTION PACKAGES LIMIT OF WORKS	41-28663-C102	CONSTRUCTION PACKAGES LIMIT OF WORKS
41-28663-C200	EARTHWORKS AND EROSION AND SEDIMENT CONTROL PLAN SHEET 1 OF 2	41-28663-C200	EARTHWORKS AND EROSION AND SEDIMENT CONTROL PLAN SHEET 1 OF 2
41-28663-C201	EARTHWORKS AND EROSION AND SEDIMENT CONTROL PLAN SHEET 2 OF 2	41-28663-C201	EARTHWORKS AND EROSION AND SEDIMENT CONTROL PLAN SHEET 2 OF 2
41-28663-C300	SETOUT PLAN SHEET 1 OF 2	41-28663-C300	SETOUT PLAN SHEET 1 OF 2
41-28663-C301	SETOUT PLAN SHEET 2 OF 2	41-28663-C301	SETOUT PLAN SHEET 2 OF 2
41-28663-C302	SETOUT TABLES	41-28663-C302	SETOUT TABLES
41-28663-C310	SITE SECTION AND DETAILS SHEET 1 OF 3	41-28663-C310	SITE SECTION AND DETAILS SHEET 1 OF 3
41-28663-C311	SITE SECTION AND DETAILS SHEET 2 OF 3	41-28663-C311	SITE SECTION AND DETAILS SHEET 2 OF 3
41-28663-C312	SITE SECTION AND DETAILS SHEET 3 OF 3	41-28663-C312	SITE SECTION AND DETAILS SHEET 3 OF 3
41-28663-C400	PAVEMENT, LINERWORK AND SIGNAGE PLAN SHEET 1 OF 2	41-28663-C400	PAVEMENT, LINERWORK AND SIGNAGE PLAN SHEET 1 OF 2
41-28663-C401	PAVEMENT, LINERWORK AND SIGNAGE PLAN SHEET 2 OF 2	41-28663-C401	PAVEMENT, LINERWORK AND SIGNAGE PLAN SHEET 2 OF 2
41-28663-C402	LINERWORK AND SIGNAGE PLAN BARGE LANDING ROAD	41-28663-C402	LINERWORK AND SIGNAGE PLAN BARGE LANDING ROAD
41-28663-C500	STORMWATER DRAINAGE LAYOUT PLAN SHEET 1 OF 2	41-28663-C500	STORMWATER DRAINAGE LAYOUT PLAN SHEET 1 OF 2
41-28663-C501	STORMWATER DRAINAGE LAYOUT PLAN SHEET 2 OF 2	41-28663-C501	STORMWATER DRAINAGE LAYOUT PLAN SHEET 2 OF 2
41-28663-C510	STORMWATER DRAINAGE LOGGITIONAL SECTIONS SHEET 1 OF 2	41-28663-C510	STORMWATER DRAINAGE LOGGITIONAL SECTIONS SHEET 1 OF 2
41-28663-C511	STORMWATER DRAINAGE LOGGITIONAL SECTIONS SHEET 2 OF 2	41-28663-C511	STORMWATER DRAINAGE LOGGITIONAL SECTIONS SHEET 2 OF 2
41-28663-C600	TEMPORARY BUS PARKING LAYOUT PLAN	41-28663-C600	TEMPORARY BUS PARKING LAYOUT PLAN
41-28663-C700	SECURITY HUT AND AMENITIES LAYOUT AND SPECIFICATION	41-28663-C700	SECURITY HUT AND AMENITIES LAYOUT AND SPECIFICATION
41-28663-E001	ELECTRICAL SERVICES AREA LIGHTING AND CCTV	41-28663-E001	ELECTRICAL SERVICES AREA LIGHTING AND CCTV
41-28663-E002	ELECTRICAL SERVICES SCHEMATICS SHEET 1 OF 2	41-28663-E002	ELECTRICAL SERVICES SCHEMATICS SHEET 1 OF 2
41-28663-E003	ELECTRICAL SERVICES SCHEMATICS SHEET 2 OF 2	41-28663-E003	ELECTRICAL SERVICES SCHEMATICS SHEET 2 OF 2
41-28663-E004	ELECTRICAL SERVICES BUILDING DETAILS	41-28663-E004	ELECTRICAL SERVICES BUILDING DETAILS
41-28663-E005	ELECTRICAL SERVICES GENERAL NOTES & DETAILS	41-28663-E005	ELECTRICAL SERVICES GENERAL NOTES & DETAILS
41-28663-L001	LANDSCAPE PLAN SHEET 1 OF 2	41-28663-L001	LANDSCAPE PLAN SHEET 1 OF 2
41-28663-L002	LANDSCAPE PLAN SHEET 2 OF 2	41-28663-L002	LANDSCAPE PLAN SHEET 2 OF 2
41-28663-S001	COMMS ANTENNA AND HUT FOOTING LAYOUT AND DETAILS	41-28663-S001	COMMS ANTENNA AND HUT FOOTING LAYOUT AND DETAILS
41-28663-S002	RELOCATED LIGHT MOUNTING DETAILS	41-28663-S002	RELOCATED LIGHT MOUNTING DETAILS
41-28663-S003	STRUCTURAL NOTES SHEET 1 OF 3	41-28663-S003	STRUCTURAL NOTES SHEET 1 OF 3
41-28663-S004	STRUCTURAL NOTES SHEET 2 OF 3	41-28663-S004	STRUCTURAL NOTES SHEET 2 OF 3
41-28663-S005	STRUCTURAL NOTES SHEET 3 OF 3	41-28663-S005	STRUCTURAL NOTES SHEET 3 OF 3
41-28663-W001	RAW WATER SUPPLY LAYOUT PLAN AND DETAILS	41-28663-W001	RAW WATER SUPPLY LAYOUT PLAN AND DETAILS
41-28663-W002	IRRIGATION WORKS PROJECT BRIEF & DETAILS	41-28663-W002	IRRIGATION WORKS PROJECT BRIEF & DETAILS
41-28663-W003	IRRIGATION WORKS CONCEPT DESIGN	41-28663-W003	IRRIGATION WORKS CONCEPT DESIGN
41-28663-W004	IRRIGATION WORKS SPECIFICATION	41-28663-W004	IRRIGATION WORKS SPECIFICATION

### CAPRICORN MUNICIPAL DEVELOPMENT GUIDELINES - STANDARD DRAWINGS LIST:

DWG No.	STANDARD DRAWING LIST
CMDG-R-001	CONCRETE PATHWAY / BIKEWAY DETAILS
CMDG-R-060	STANDARD KERB AND CHANNEL PROFILES
CMDG-R-065A	STANDARD KERB AND CHANNEL PROFILES
CMDG-R-061	ROOFWATER KERB ADAPTORS
CMDG-D-011	EXCAVATION, BEDDING AND BACKFILLING OF PRECAST BOX CULVERTS
CMDG-D-000	PRECAST STORMWATER INLET INSTALLATION DETAILS
CMDG-D-022	FIELD INLET DETAILS
CMDG-D-040	SUBSOIL DRAINAGE
CMDG-D-041	SUBSOIL DRAINAGE
CMDG-D-050	SEDIMENT CONTROL DEVICES SEDIMENT FENCE ENTRY EXIT SEDIMENT TRAP
CMDG-D-061	SEDIMENT CONTROL DEVICES, KERB AND FIELD INLETS, CHECK DAMS & STRAW BALE BANK
CMDG-S-011	CHAIN WIRE SECURITY FENCE
CMDG-R-050	KERB RAMP DETAILS

### IPWEA - STANDARD DRAWINGS LIST:

DWG No.	STANDARD DRAWING LIST
RS-040	KERB AND CHANNEL PROFILES AND DIMENSIONS INCLUDING EDGE RESTRAINT'S MEDIAN AND CHANNEL

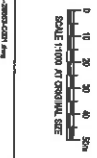
### HUMES - STANDARD DRAWINGS LIST:

DWG No.	STANDARD DRAWING LIST
437S-W039S-P	SMALL BOX CULVERT CORONA UNIT QUEENSLAND MAIN ROADS WRTS 24 106 / 00 130 00 PROF LOAD 450 X 375
BC-LS-452M4-D	HUMES OLD STANDARD DRAWINGS WRTS 24 110 16 112 00 TEST LOAD 450 LINK SLAB

**APPROVED**

FOR TENDER

REASON FOR TENDER	NO	REV	DATE
ISSUED FOR TENDER	NS	NSV	20.01.17
ISSUED FOR TENDER	NS	SSV	16.12.16
ISSUED FOR TENDER	NS	ESV	14.11.16
ISSUED FOR TENDER	NS	SSV	22.11.16
ISSUED FOR TENDER	NS	SSV	14.10.16

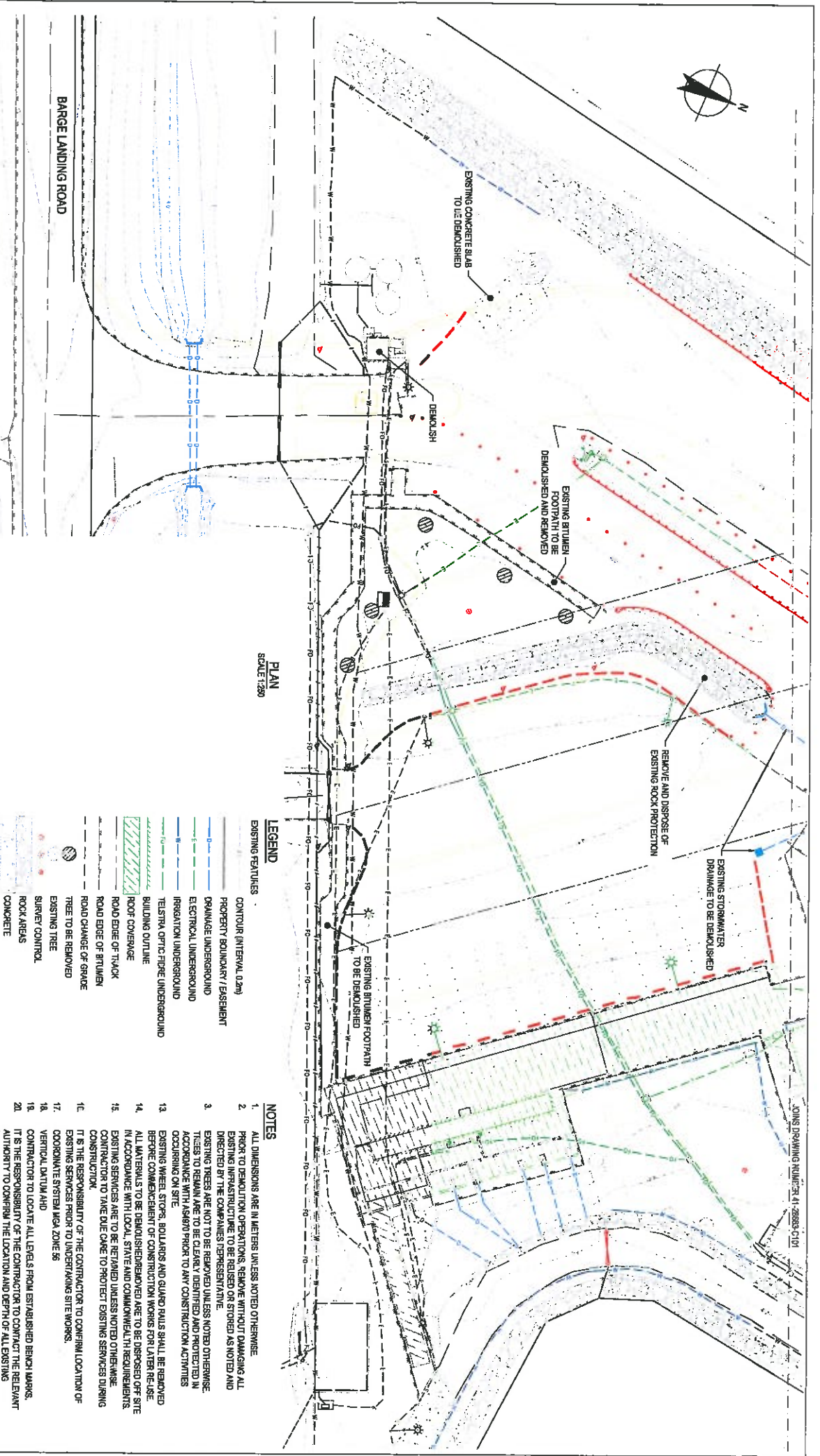


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Checked By	Checked Date	Checked By	Checked Date
David J. Lambert	14/08/2017	David J. Lambert	14/08/2017

Client: **CONOCOPHILLIPS AUSTRALIA**  
Project: **FLNE CARPARK REPURPOSING WORKS**  
Title: **COVER SHEET, DRAWING LIST AND LOCALITY PLAN**

Drawing No.: **41-28663-C001** Rev: **E**



PLAN  
SCALE 1:200

**LEGEND**

- EXISTING FEATURES**
- CONTOUR (INTERVAL 0.2m)
  - PROPERTY BOUNDARY / EASEMENT
  - DRAINAGE UNDERGROUND
  - ELECTRICAL UNDERGROUND
  - IRRIGATION UNDERGROUND
  - TELSTRA OPTIC FIBRE UNDERGROUND
  - BUILDING OUTLINE
  - ROOF COVERAGE
  - ROAD EDGE OF TACK
  - ROAD EDGE OF BITUMEN
  - ROAD CHANGE OF GRADE
  - TREE TO BE REMOVED
  - SURVEY CONTROL
  - ROCK AREAS
  - CONCRETE
  - EXISTING FENCE LINE TO REMAIN
  - FENCE LINE (SALVAGEABLE)
  - BOLLARD (400 Ø) (SALVAGEABLE)
  - WHEEL STOPS (SALVAGEABLE)
  - GUARD RAIL (SALVAGEABLE)
  - TRAFFIC SIGN (SALVAGEABLE)
- PROPOSED WORKS**

**NOTES**

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
2. PRIOR TO DEMOLITION OPERATIONS, REMOVE WITHOUT DAMAGING ALL EXISTING INFRASTRUCTURE TO BE REUSED OR STORED AS NOTED AND DIRECTED BY THE COMPANIES REPRESENTATIVE.
3. EXISTING TREES ARE NOT TO BE REMOVED UNLESS NOTED OTHERWISE. TREES TO REMAIN ARE TO BE CLEARLY IDENTIFIED AND PROTECTED IN ACCORDANCE WITH AS/NZS PRIOR TO ANY CONSTRUCTION ACTIVITIES OCCURRING ON SITE.
13. EXISTING WHEEL STOPS, BOLLARDS AND GUARD RAILS SHALL BE REMOVED BEFORE COMMENCEMENT OF CONSTRUCTION WORKS FOR LATER RE-USE. ALL MATERIALS TO BE DEMOLISHED/REMOVED ARE TO BE DISPOSED OFF SITE IN ACCORDANCE WITH LOCAL, STATE AND COMMONWEALTH REQUIREMENTS. EXISTING SERVICES ARE TO BE RETAINED UNLESS NOTED OTHERWISE. CONTRACTOR TO TAKE DUE CARE TO PROTECT EXISTING SERVICES DURING CONSTRUCTION.
14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM LOCATION OF EXISTING SERVICES PRIOR TO UNDERSTAKING SITE WORKS.
15. COORDINATE SYSTEM HIGH ZONE 56
16. VERTICAL DATUM AHD
17. CONTRACTOR TO LOCATE ALL LEVELS FROM ESTABLISHED BENCH MARKS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE RELEVANT AUTHORITY TO OBTAIN THE LOCATION AND DEPTH OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS.
21. EXISTING CONTOURS SHOWN AT 0.2M INTERVALS.
22. FOR DETAILED SURVEY INFORMATION REFER TO THE SURVEY REPORT (SHEETS) FOR ELECTRICAL ITEMS TO BE REUSED OFF-SITE.
23. 41-28663-801

**APPROVED**

FOR TENDER

C	RE-ASSIGNED FOR TENDER	NS	ROF	SSV	16.01.17
B	ISSUED FOR TENDERS	NS	ROF	SSV	16.11.16
A	PRELIMINARY ISSUE	NS	ROF	SSV	14.01.16

No.	Reviser	Issue	Date

Scale	1:200
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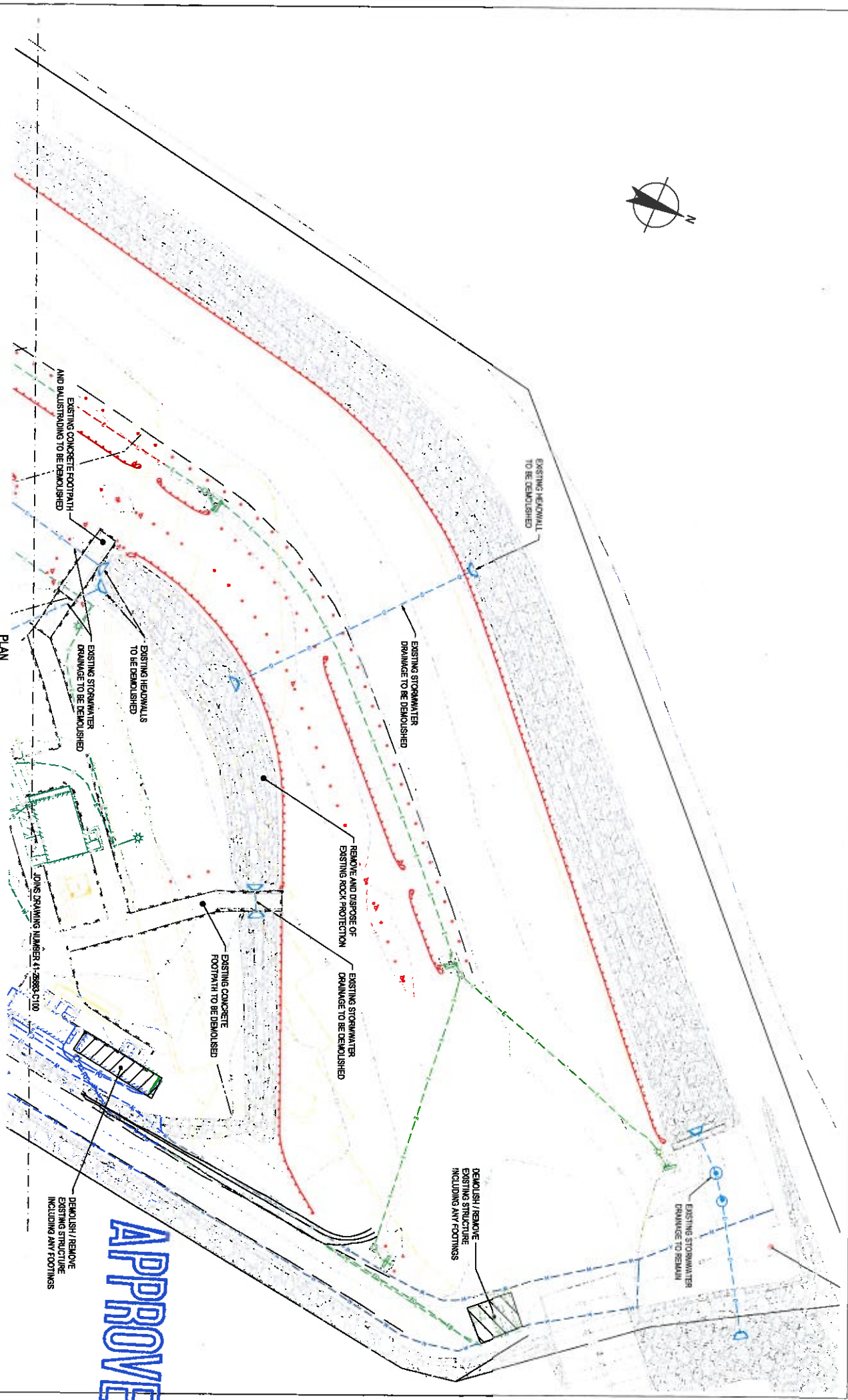
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J. HERRERA	J. HERRERA	D. BRIBILL
Checked by:	Drawn:	Checked by:

Scale	AS SHOWN
Scale	AS SHOWN

CONOCOPHILLIPS AUSTRALIA  
FLUE CARBON REPURPOSING WORKS  
EXISTING FEATURES, SERVICES AND  
SALVAGEABLE ITEMS PLAN SHEET 1 OF 2  
Drawing No: 41-28663-C100  
Rev: C



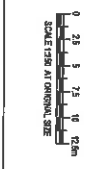


PLAN  
SCALE 1:300

**APPROVED**

FOR TENDER

C	RECALCULATED FOR TENDER	NS	RO	C3Y	26.01.17
B	ISSUED FOR TENDER	NS	RO	SSV	26.11.16
A	PRELIMINARY ISSUE	NS	RO	SSV	14.05.16



**DO NOT SCALE**  
Certification of this drawing is subject to the provisions of the Engineering Act 2002 and the Engineering Regulation 2002. The Engineer is not responsible for any error or omission in this drawing that may affect the safety of any structure or works.

Author	Designer	Checker	Client
James J. Rivesa	Design: D. Sripel	Check:	CONOCOPHILLIPS AUSTRALIA

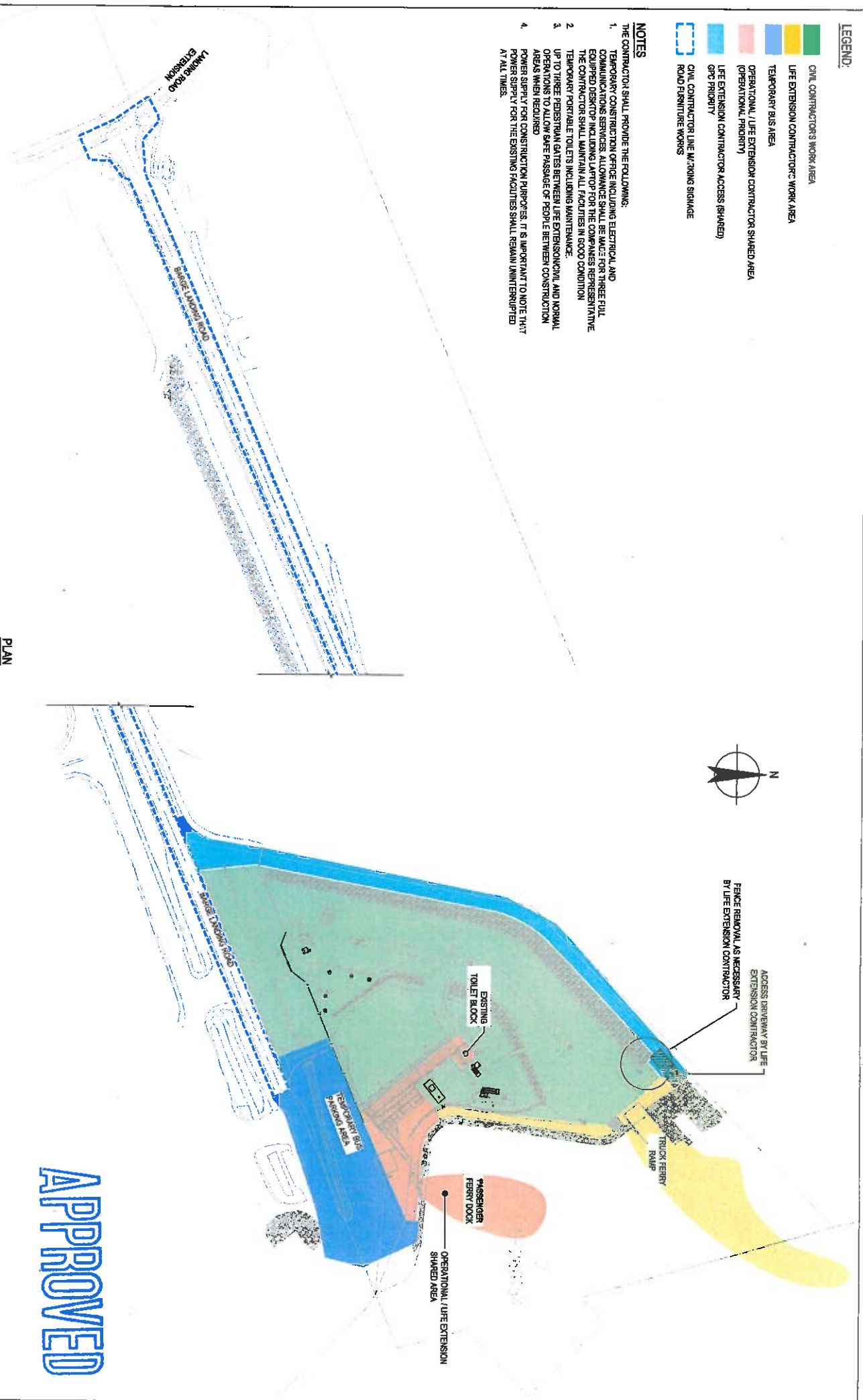
Project: **FLINE CARPARK REPURPOSING WORKS**  
Drawing No: **41-28663-C101**  
Revision: **C**

**LEGEND:**

- CIVIL CONTRACTOR'S WORK AREA
- LIFE EXTENSION CONTRACTOR'S WORK AREA
- TEMPORARY BUS AREA
- OPERATIONAL / LIFE EXTENSION CONTRACTOR SHARED AREA (OPERATIONAL PRIORITY)
- LIFE EXTENSION CONTRACTOR ACCESS (SHARED)
- GPC PRIORITY
- CIVIL CONTRACTOR LINE MARKING SIGNAGE
- ROAD FURNITURE WORKS

**NOTES**

1. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING:  
 TEMPORARY CONSTRUCTION OFFICE INCLUDING ELECTRICAL AND COMMUNICATIONS SERVICES. ALLOWANCE SHALL BE MADE FOR THREE FULL EQUIPPED DESKTOP INCLUDING LAPTOP FOR THE COMPANIES REPRESENTATIVE. THE CONTRACTOR SHALL MAINTAIN ALL FACILITIES IN GOOD CONDITION.  
 TEMPORARY PORTABLE TOILETS INCLUDING MAINTENANCE.
2. UP TO THREE PEDESTRIAN GATES BETWEEN LIFE EXTENSION AND NORMAL AREAS WHEN REQUIRED.
3. POWER SUPPLY FOR CONSTRUCTION PURPOSES. IT IS IMPORTANT TO NOTE THAT POWER SUPPLY FOR THE EXISTING FACILITIES SHALL REMAIN UNINTERRUPTED AT ALL TIMES.

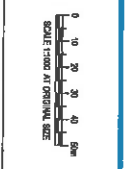


**PLAN**  
SCALE: 1:1000

APPROVED

**FOR TENDER**

D	RESUBMITTED FOR TENDER	NS	RC*	SSP	26/06/17
C	REQUESTED FOR TENDER	NS	RC*	ESP	07/11/16
B	ISSUED FOR TENDER	NS	RC*	SSP	02/11/16
A	PRELIMINARY ISSUE	NS	RC*	ESP	14/10/16



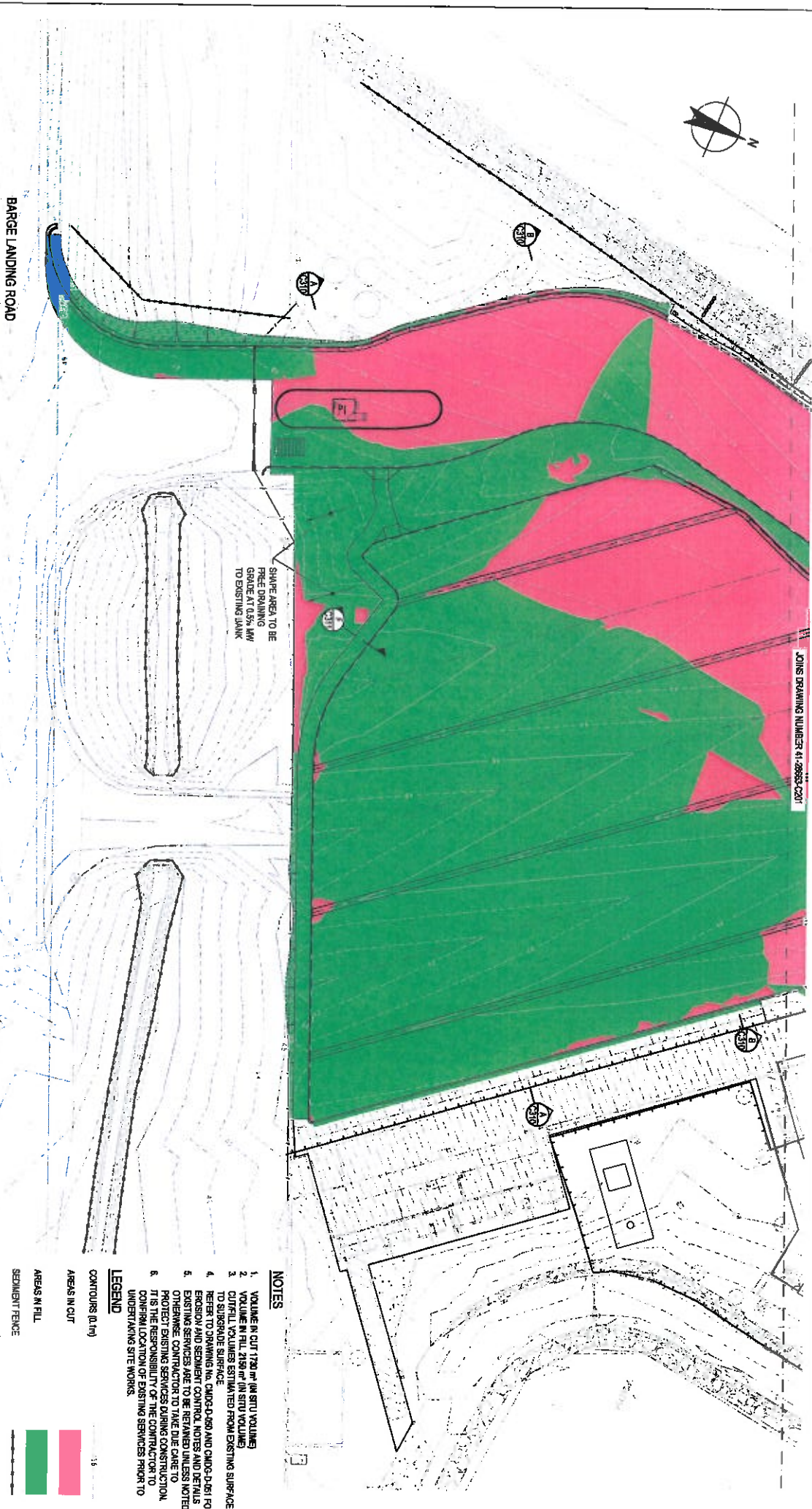
**CH2D**  
 100 Sturt Street, QLD 4000 Australia  
 GPO Box 200 Brisbane QLD 4001  
 Email: info@ch2d.com.au

**DO NOT SCALE**  
 Conditions of Use:  
 This drawing is the property of CH2D. It is to be used for the project only. It is not to be used for any other project without the written consent of CH2D. It is not to be used for any other purpose without the written consent of CH2D.

Drawn	J. RIVERA	Checked	D. SIBBEK
Designed	(Project Designer)	Checked	(Project Designer)
Scale	AS SHOWN	This drawing shall not be used for any other project without the written consent of CH2D.	

Client: **CONOCOPHILLIPS AUSTRALIA**  
 Project: **FLINE CARPARK REPURPOSING WORKS**  
 Construction Package: **CONSTRUCTION PACKAGES**  
 Drawing No: **41-28663-C102**  
 Rev: **D**

JOINS DRAWING NUMBER 41-28663-C201



SHAVE AREA TO BE FREE DRAINING GRADE AT 0.5% AWAY TO EXISTING LAKE

BARGE LANDING ROAD

LAYOUT PLAN  
SCALE 1:250

**APPROVED**

FOR TENDER

**NOTES**

1. VOLUME IN CUT 1720 m<sup>3</sup> (IN SITU VOLUMES)
2. VOLUME IN FILL 1720 m<sup>3</sup> (IN SITU VOLUMES)
3. TOP FILL VOLUMES ESTIMATED FROM EXISTING SURFACE TO PROPOSED SURFACE
4. RESEEDING THE CONC-D-980 AND CONC-D-801 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
5. EXISTING SERVICES ARE TO BE PROTECTED AND NOTED
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND PROTECT EXISTING SERVICES PRIOR TO UNDER TAKING SITE WORKS.

**LEGEND**

- CONTOURS (0.1m)
- AREAS IN CUT
- AREAS IN FILL
- SEDIMENT FENCE
- ROCK CHECK DAMS
- TOP OF BATTER
- TOE OF BATTER
- TEMPORARY CONSTRUCTION FENCE
- CHAIN WIRE FENCE
- WAVE DOWN GRID

**DO NOT SCALE**

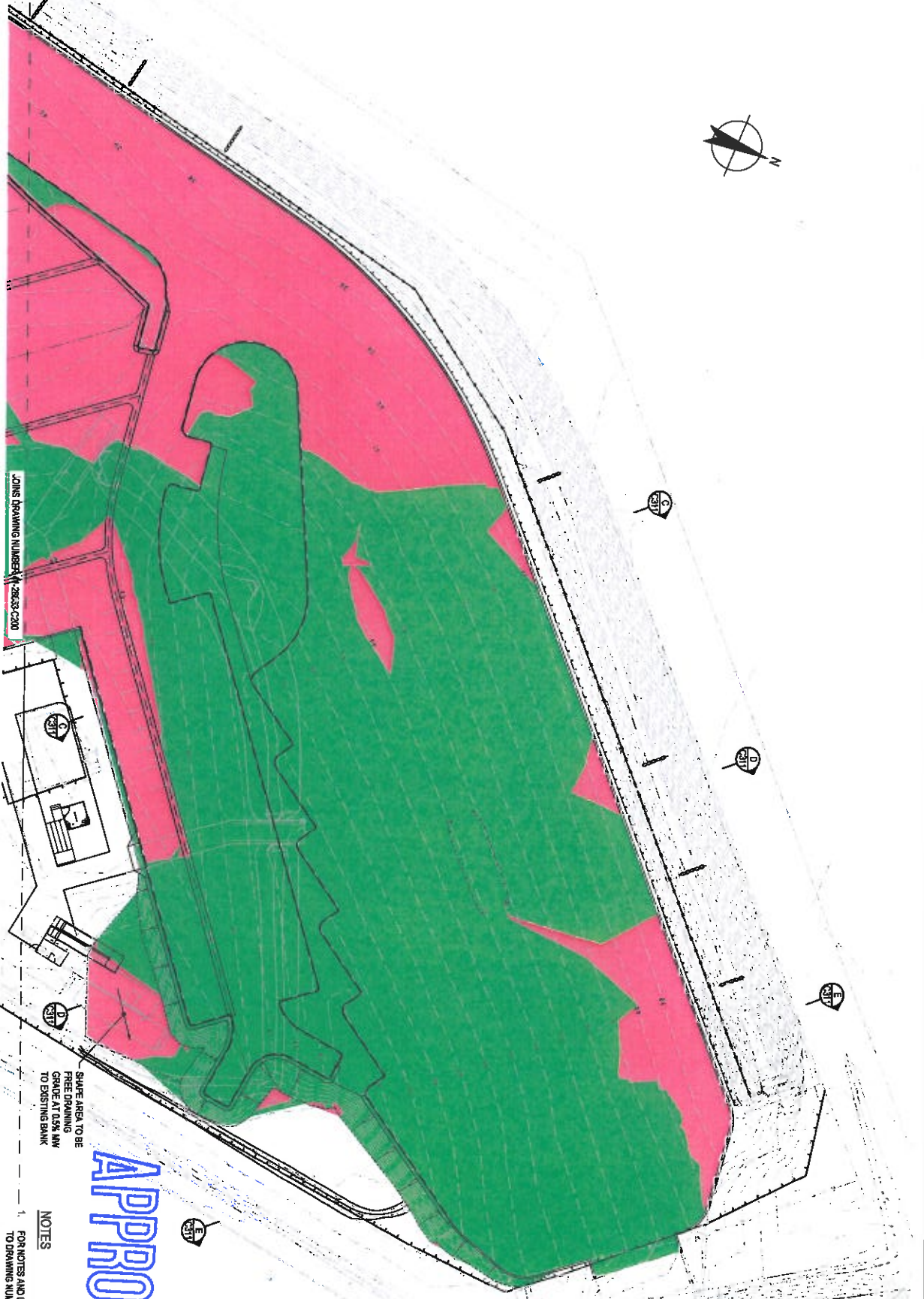
Condition of Use:  
 This drawing is to be used for the purpose of tender only. It is not to be used for construction. The contractor is to verify all dimensions and locations on site. The contractor is to be responsible for any errors or omissions. This drawing is not to be used for any other purpose.

Drawn	J. RIVERA	Checked	D. SIBELL
Designed		Checked	
Project		Checked	
Scale	A4 B3/300	Scale	A4 B3/300

D	RE-ASSIGNED FOR TENDER	NS	NS	NSV	27.01.17
C	RE-ASSIGNED FOR TENDER	NS	NS	SSV	17.11.16
B	RE-ASSIGNED FOR TENDER	NS	NS	SSV	22.11.16
A	PRELIMINARY ISSUE	NS	NS	SSV	24.10.16



Site Area of 100,000 sq. m. 100% available for development. GPO Survey Station 52.01.002. 1:10,17 2810 2000 7 01 7 2016 0233. 1:10,17 2810 2000 7 01 7 2016 0233. 1:10,17 2810 2000 7 01 7 2016 0233.



**LAYOUT PLAN**  
SCALE 1:250

JOHN BRAWNING DRIVE - 2863-C200

SHARP AREA TO BE  
FREE DRAINING  
GRADE AT 0.5% LW  
TO EXISTING BANK

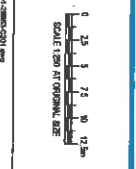
**APPROVED**

FOR NOTES AND LEGEND REFER  
TO DRAWING NUMBER C200

**NOTES**

**FOR TENDER**

REVISIONS	NO.	DATE	DESCRIPTION
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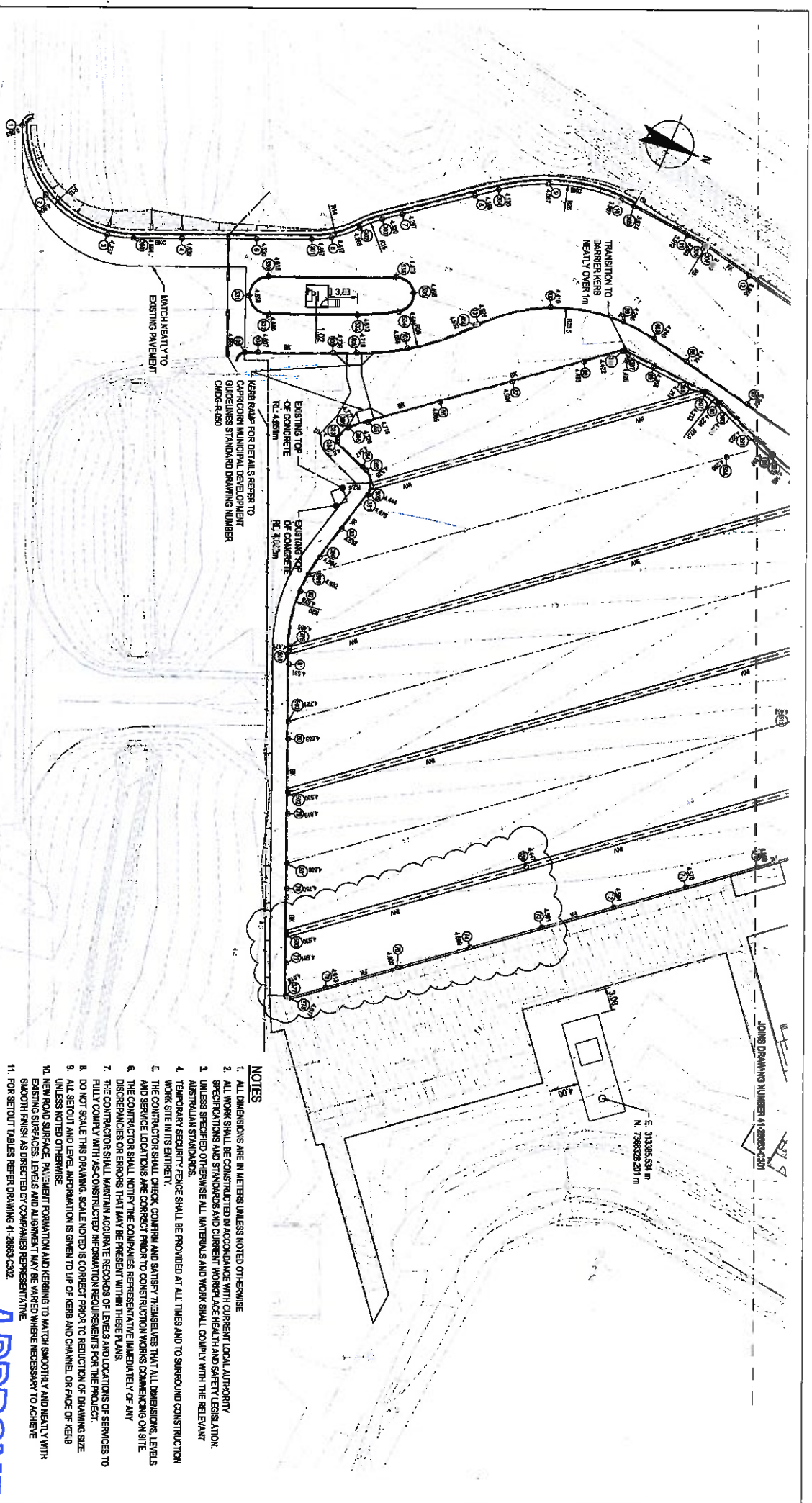


**CH2D**  
118 Macquarie Street, Sydney NSW 2000  
Tel: 02 9250 9000 Fax: 02 9250 9000  
E: ch2d@ch2d.com.au W: www.ch2d.com.au

**DO NOT SCALE**  
This document is for reference only and should not be used for construction purposes. For the purposes of this drawing, the scale is as shown. The Designer is not responsible for any errors or omissions in this drawing or any other documents prepared or used in connection with this project.

Drawn	J. RIVERA	Checked	O. STREIBL
Design		Scale	AS SHOWN
Approved		Date	
Checked			

Client: **CONOCOPHILLIPS AUSTRALIA**  
Project: **FINE CARPARK REPURPOSING WORKS**  
The: **EARTHWORKS AND EROSION AND SEDIMENT CONTROL PLAN SHEET 2 OF 2**  
Drawing No: **41-28663-C201**  
Rev: **C**



LAYOUT PLAN  
SCALE 1:250

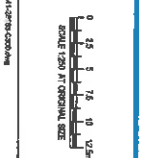
- LEGEND**
- 800 TYPE 1 - BARRIER KERB AND CHANNEL
  - 600 TYPE BSC NIB PROFILE BARRIER KERB
  - 400 TYPE 7 - CONCRETE INVERT (900 WIDE)
  - FLUSH KERB EDGE RESTRAINT W:250mm H:300mm AS PER IPWEA STD DRG RS-260
  - SETOUT POINT ID AND LEVEL

**APPROVED**

**NOTES**

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
2. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT LOCAL AUTHORITY SPECIFICATIONS AND STANDARDS AND CURRENT WORKPLACE HEALTH AND SAFETY LEGISLATION.
3. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
4. TEMPORARY SECURITY FENCE SHALL BE PROVIDED AT ALL TIMES AND TO SURROUND CONSTRUCTION WORK SITE IN ITS ENTIRETY.
5. THE CONTRACTOR SHALL CHECK CONTROL AND SATISFY THEMSELVES THAT ALL DIMENSIONS, LEVELS AND SERVICE LOCATIONS ARE CORRECT PRIOR TO CONSTRUCTION WORKS COMMENCING ON SITE.
6. THE CONTRACTOR SHALL NOTIFY THE COMPANIES REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCIES OR ERRORS THAT MAY BE PRESENT WITHIN THESE PLANS.
7. THE CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF LEVELS AND LOCATIONS OF SERVICES TO FULLY COMPLY WITH AS-CONSTRUCTED INFORMATION REQUIREMENTS FOR THE PROJECT.
8. ALL SETOUT AND LEVEL INFORMATION IS GIVEN TO UP OF KERB AND CHANNEL ON FACE OF KERB UNLESS NOTED OTHERWISE.
9. NEW ROAD SURFACE, PAVEMENT FORMATION AND KERBING TO MATCH SMOOTHLY AND NEATLY WITH EXISTING SERVICES, LEVELS AND ALIGNMENT MAY BE WAKED WHERE NECESSARY TO ACHIEVE SMOOTH FINISH AS DIRECTED BY COMPANIES REPRESENTATIVE.
10. FOR SETOUT TABLES REFER DRAWINGS 41-28663-C302.

RE-REQUIRED FOR TENDER	KS	RC*	SBV	BS&LIT
ISSUED FOR TENDER	NS	RC*	SSV*	BS&LIT
PRELIMINARY ISSUE	NS	RC*	SSV*	AL&LIT



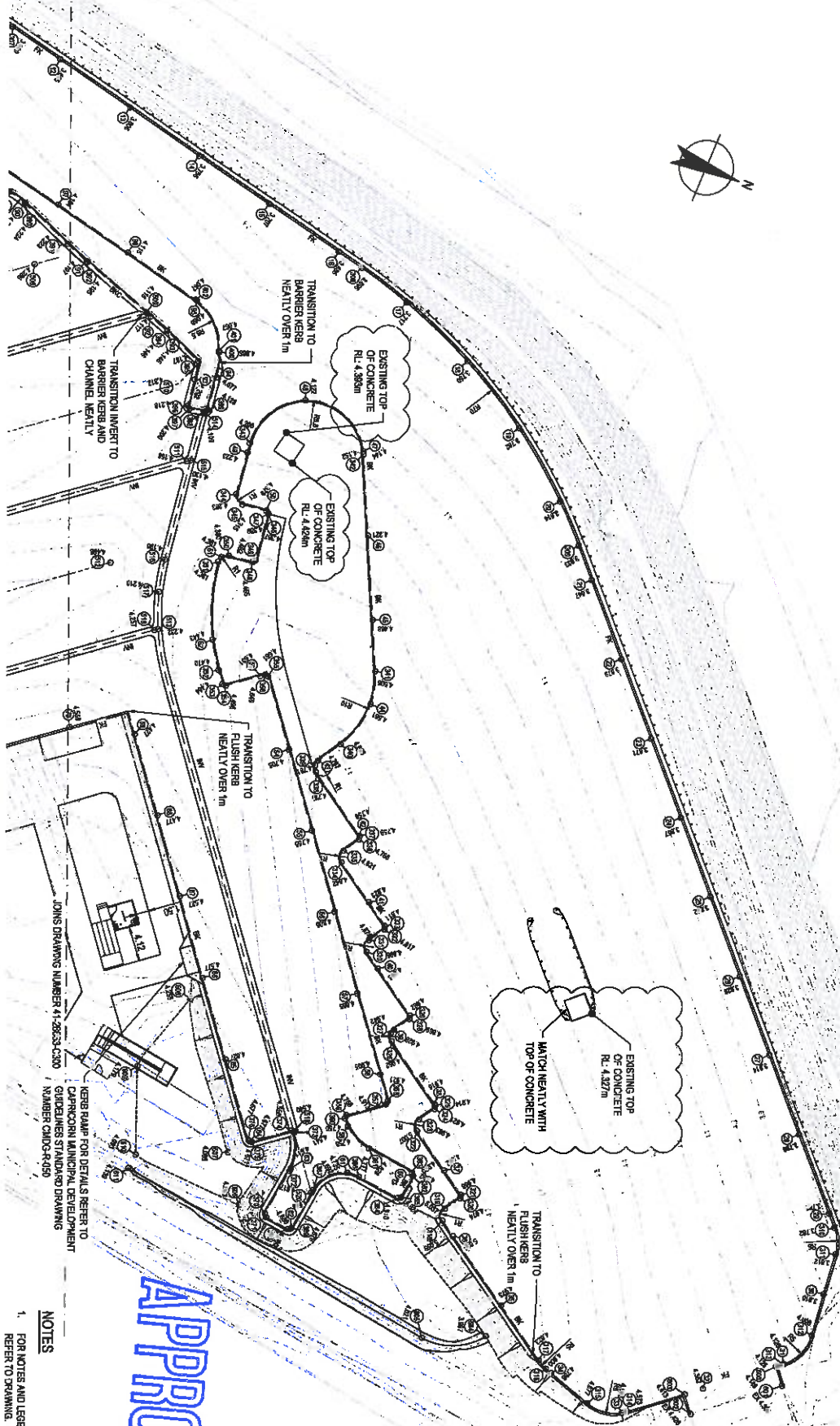
148 Lake St Melbourne VIC 3120  
Tel: 03 9594 2000 Fax: 03 9594 2001  
E: [enquiries@stuart.com.au](mailto:enquiries@stuart.com.au)

**DO NOT SCALE**

This document may only be used by the client for the project for which it was prepared. It is not to be used for any other purpose.

Client	CONOCOPHILLIPS AUSTRALIA
Project	FLINE CARPARK REPAIR/POSSING WORKS
Sheet	SETOUT PLAN SHEET 1 OF 2
Scale	A3 BROWN
Drawn	J. RIVERA
Checked	[Signature]
Approved	[Signature]
Date	

Client: CONOCOPHILLIPS AUSTRALIA  
Project: FLINE CARPARK REPAIR/POSSING WORKS  
Sheet: SETOUT PLAN SHEET 1 OF 2  
Drawing No: 41-28663-C300  
Rev: C



LAYOUT PLAN  
SCALE 1:250

APPROVED

**NOTES**  
1. FOR NOTES AND LEGEND REFER TO DRAWING.

NO	REVISION	DATE	BY	CHKD	APPD




  
 144 Main St Brisbane QLD 4000 Australia  
 GPO Box 900 Brisbane QLD 4001  
 Tel: 07 3060 0000 Fax: 07 3060 0001  
 Email: [infrastructure@qld.gov.au](mailto:infrastructure@qld.gov.au)

DO NOT SCALE	Drawn	J. RIVERA	Designer	O. STREPL
	Checked	(Signature)	Checked	(Signature)
This drawing and any other documents referred to in it are the property of the Designer and shall remain their property. No part of this drawing is to be used for any other purpose without the written consent of the Designer.	Scale	AS SHOWN	This drawing is to be used for the project described in the contract only. Any other use is at the user's risk.	

**FOR TENDER**  
**CONOCOPHILLIPS AUSTRALIA**  
**FINE CARPARK REPOSING WORKS**  
**SETOUT PLAN**  
**SHEET 2 OF 2**  
 Drawing No: **41-28663-C301**  
 Rev: **C**

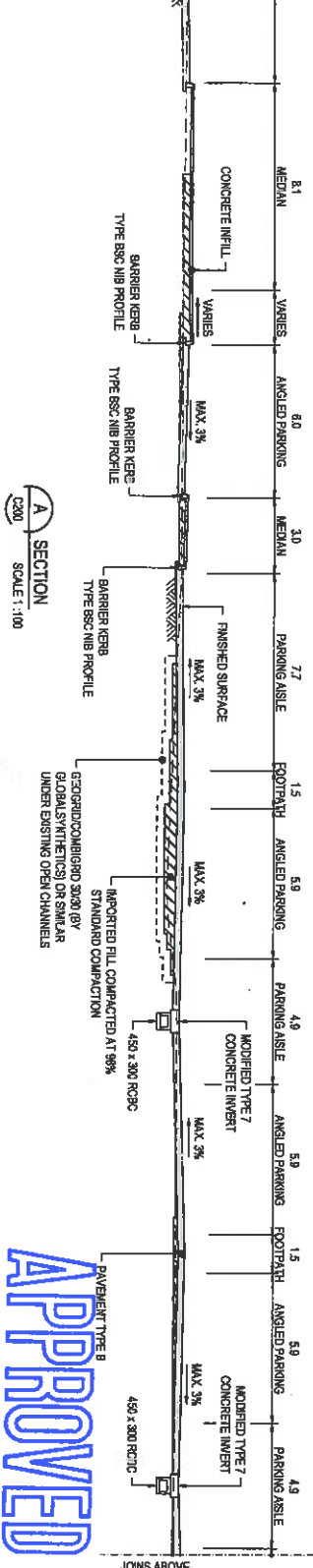
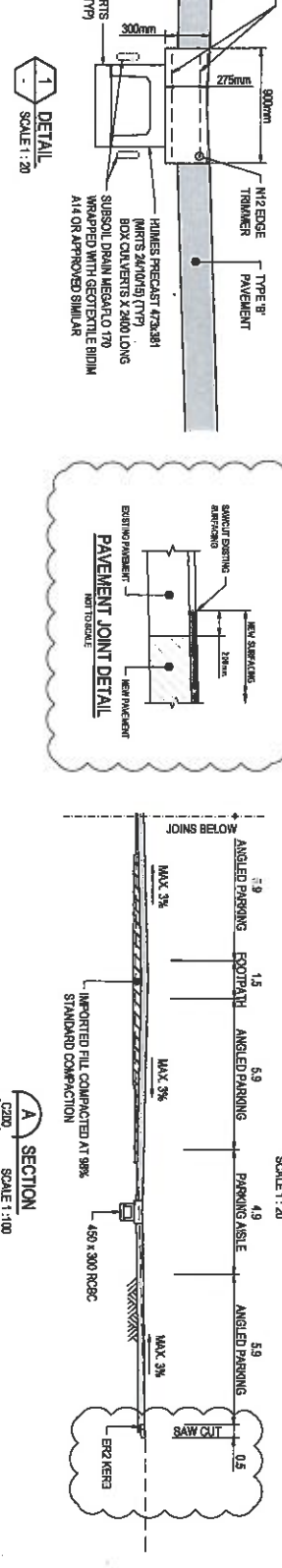
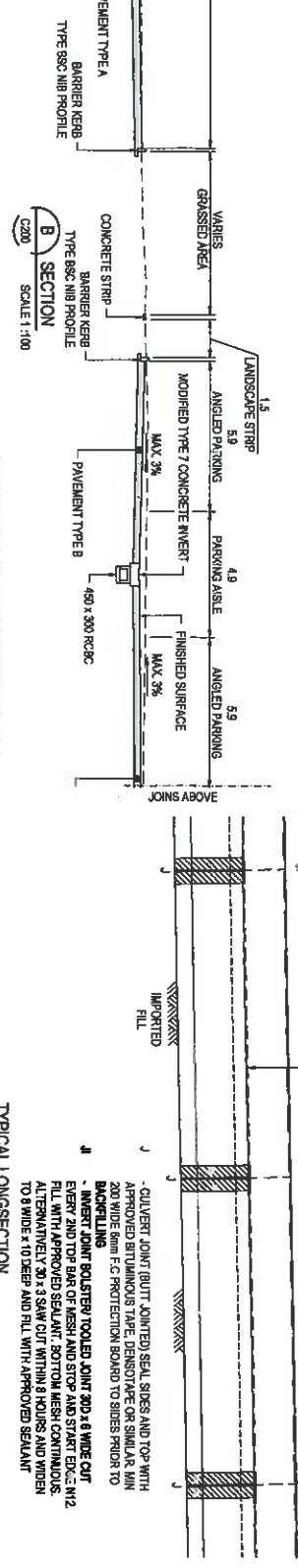
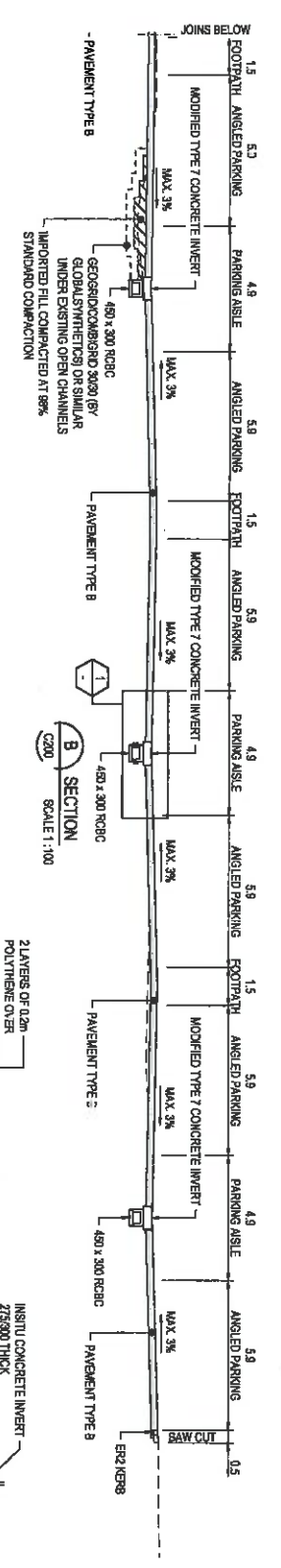
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3	31200.30	72600.40	4.80	10m BRICKING
4	31200.40	72600.50	4.80	10m BRICKING
5	31200.50	72600.60	4.80	10m BRICKING
6	31200.60	72600.70	4.80	10m BRICKING
7	31200.70	72600.80	4.80	10m BRICKING
8	31200.80	72600.90	4.80	10m BRICKING
9	31200.90	72601.00	4.80	10m BRICKING
10	31201.00	72601.10	4.80	10m BRICKING
11	31201.10	72601.20	4.80	10m BRICKING
12	31201.20	72601.30	4.80	10m BRICKING
13	31201.30	72601.40	4.80	10m BRICKING
14	31201.40	72601.50	4.80	10m BRICKING
15	31201.50	72601.60	4.80	10m BRICKING
16	31201.60	72601.70	4.80	10m BRICKING
17	31201.70	72601.80	4.80	10m BRICKING
18	31201.80	72601.90	4.80	10m BRICKING
19	31201.90	72602.00	4.80	10m BRICKING
20	31202.00	72602.10	4.80	10m BRICKING
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24	31202.40	72602.50	4.80	10m BRICKING
25	31202.50	72602.60	4.80	10m BRICKING
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27	31202.70	72602.80	4.80	10m BRICKING
28	31202.80	72602.90	4.80	10m BRICKING
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40	31204.00	72604.10	4.80	10m BRICKING
41	31204.10	72604.20	4.80	10m BRICKING
42	31204.20	72604.30	4.80	10m BRICKING
43	31204.30	72604.40	4.80	10m BRICKING
44	31204.40	72604.50	4.80	10m BRICKING
45	31204.50	72604.60	4.80	10m BRICKING
46	31204.60	72604.70	4.80	10m BRICKING
47	31204.70	72604.80	4.80	10m BRICKING
48	31204.80	72604.90	4.80	10m BRICKING
49	31204.90	72605.00	4.80	10m BRICKING
50	31205.00	72605.10	4.80	10m BRICKING
51	31205.10	72605.20	4.80	10m BRICKING

APPROVED

FOR TENDER

<p><b>REVISIONS</b></p> <table border="1"> <tr><th>No.</th><th>Revision</th><th>Date</th></tr> <tr><td>1</td><td>Issue for Tender</td><td>15/11/18</td></tr> <tr><td>2</td><td>Issue for Tender</td><td>15/11/18</td></tr> <tr><td>3</td><td>Issue for Tender</td><td>15/11/18</td></tr> </table>	No.	Revision	Date	1	Issue for Tender	15/11/18	2	Issue for Tender	15/11/18	3	Issue for Tender	15/11/18	<p><b>PROJECT INFORMATION</b></p> <p>Project: CONCOCCOPHILLIPS AUSTRALIA FLUE CARBON REPIPOSING WORKS SETOUT TABLES</p> <p>Drawing No: 41-28663-C302</p> <p>Rev: C</p>
No.	Revision	Date											
1	Issue for Tender	15/11/18											
2	Issue for Tender	15/11/18											
3	Issue for Tender	15/11/18											
<p><b>DO NOT SCALE</b></p> <p>Drawn: J. SENECA      Checked: D. SIPPET</p>													
<p><b>CONCOCCOPHILLIPS AUSTRALIA</b></p> <p>FLUE CARBON REPIPOSING WORKS</p> <p>SETOUT TABLES</p>													

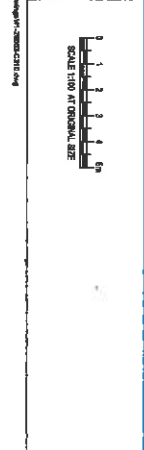
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  - STANDARD DRAWING NUMBER C300-R400
  - FOR BARRIER KERBS TYPE BSC NIB PROFILE REFER TO STANDARD DRAWING NUMBER C300-R400
  - FOR KERBS TYPE BSC NIB PROFILE REFER TO STANDARD DRAWING NUMBER C300-R400
  - FOR PAVEMENT TYPE REFER TO STANDARD DRAWING NUMBER C300-R400
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  - FOR PAVEMENT TYPE REFER TO STANDARD DRAWING NUMBER C300-R400
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**APPROVED**

**FOR TENDER**

No.	Revisions	Date	By	Check
1	ISSUED FOR TENDER	14/10/24	AS	SSP
2	ISSUED FOR TENDER	14/10/24	AS	SSP
3	ISSUED FOR TENDER	14/10/24	AS	SSP
4	ISSUED FOR TENDER	14/10/24	AS	SSP

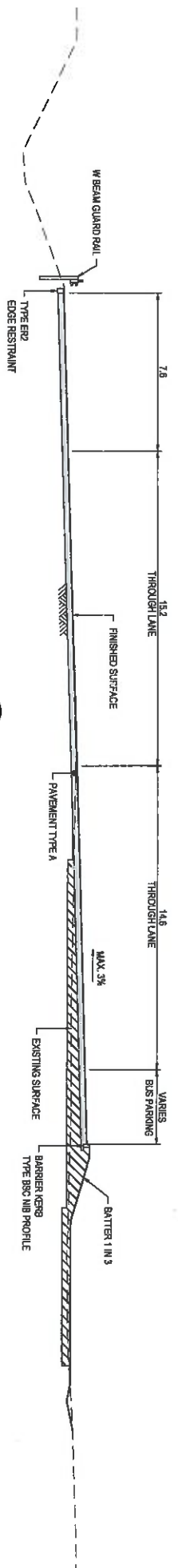


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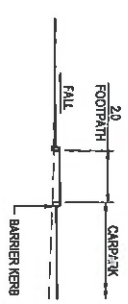
Drawn: J. HERSA  
 Designer: D. SPIEL  
 Checked: [Signature]  
 Approved: [Signature]

**CONOCOPHILLIPS AUSTRALIA**  
**FINE CARPARK REPURPOSING WORKS**  
**SITE SECTION AND DETAILS**  
**SHEET 1 OF 2**  
**41-28663-C310**

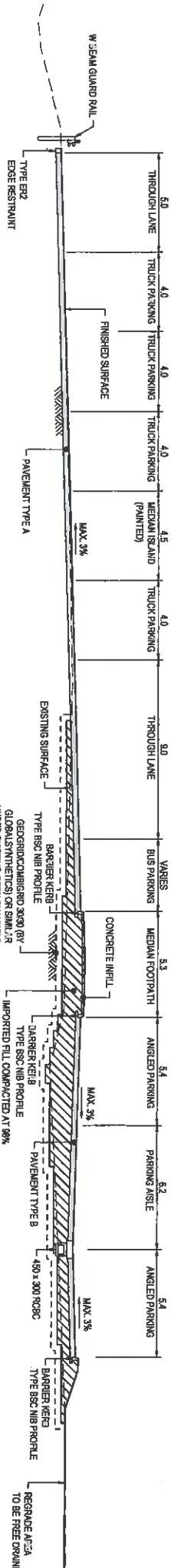




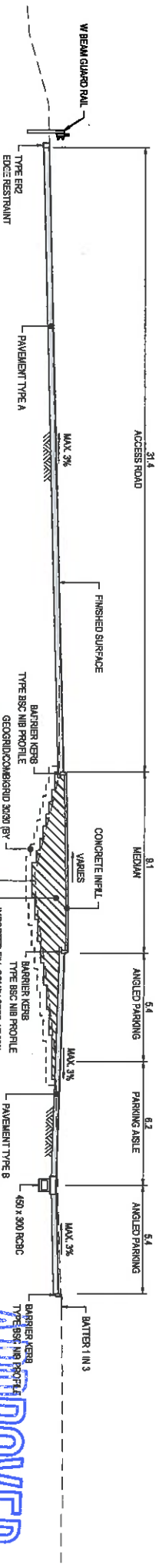
**E SECTION**  
SCALE 1:100



**F SECTION**  
SCALE 1:100



**D SECTION**  
SCALE 1:100

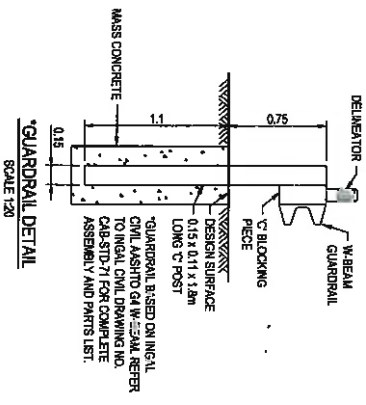
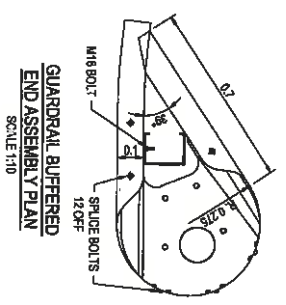
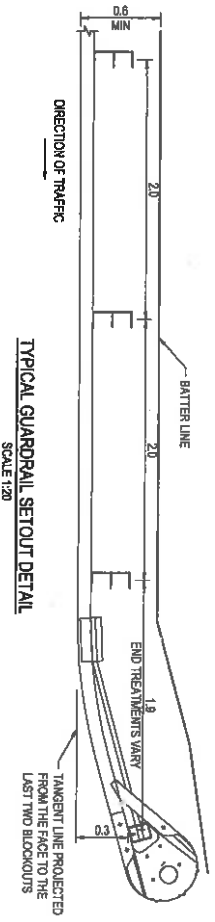


**C SECTION**  
SCALE 1:100

**NOTES**  
1. FOR NOTES REFER TO DRAWING A1-2863-C310.

**APPROVED**

<p><b>FOR TENDER</b></p> <p><b>CONOCOPHILLIPS AUSTRALIA</b></p> <p><b>FLINE CARPARK REPURPOSING WORKS</b></p> <p><b>SHEET 2 OF 2</b></p> <p>Client: <b>Project</b></p> <p>Drawn: <b>41-28663-C311</b></p> <p>Checked: <b>A1</b></p> <p>Drawing No: <b>41-28663-C311</b></p> <p>Rev: <b>C</b></p>		<p><b>DO NOT SCALE</b></p> <p>Drawn: <b>L. RIVERA</b></p> <p>Checked: <b>D. STORTEL</b></p> <p>Scale: <b>AS SHOWN</b></p>	<p><b>CONOCOPHILLIPS AUSTRALIA</b></p> <p>112 Fern Hill Boulevard QLD 4071 Australia</p> <p>PO Box 900 Brisbane QLD 4001 Australia</p> <p>Phone: +61 7 3850 6000</p> <p>Email: <a href="mailto:conocophillips@conocophillips.com">conocophillips@conocophillips.com</a></p>
--	--	---	---



APPROVED

FOR TENDER

C	RECALCULATED FOR TENDER	NS	RCV	SBV	RECLT		
B	ISSUED FOR TENDER	NS	RCV	SSV	RECLT		
A	PRELIMINARY ISSUE	NS	RCV	SSV	RECLT		
<p>Notes: 1. Refer to specifications on original issue of drawings for details of design.</p> <p>2. All dimensions are in millimetres unless otherwise stated.</p> <p>3. All dimensions are in millimetres unless otherwise stated.</p>							
<p>Scale: 1:10</p>		<p>Scale: 1:20</p>				<p>164 Kent Street, Sydney NSW 1570 Australia          Tel: 02 9550 1234          Email: sales@conocophillips.com.au</p>	
<p><b>DO NOT SCALE</b></p> <p>Dimensions of this drawing should not be used for construction purposes. For the purposes of the tender, the dimensions shown on this drawing shall prevail over any other drawings or specifications.</p>				<p>Drawn: J. WINTER          Checked: D. SPRELL          Scale: AS SHOWN</p>		<p>Client: CONOCOPHILLIPS AUSTRALIA          Project: FINE CARPARK REPURPOSING WORKS          Site Section and Details          SHEET 3 OF 3          Drawing No: 41-28663-C312</p>	
<p>Rev: C</p>							

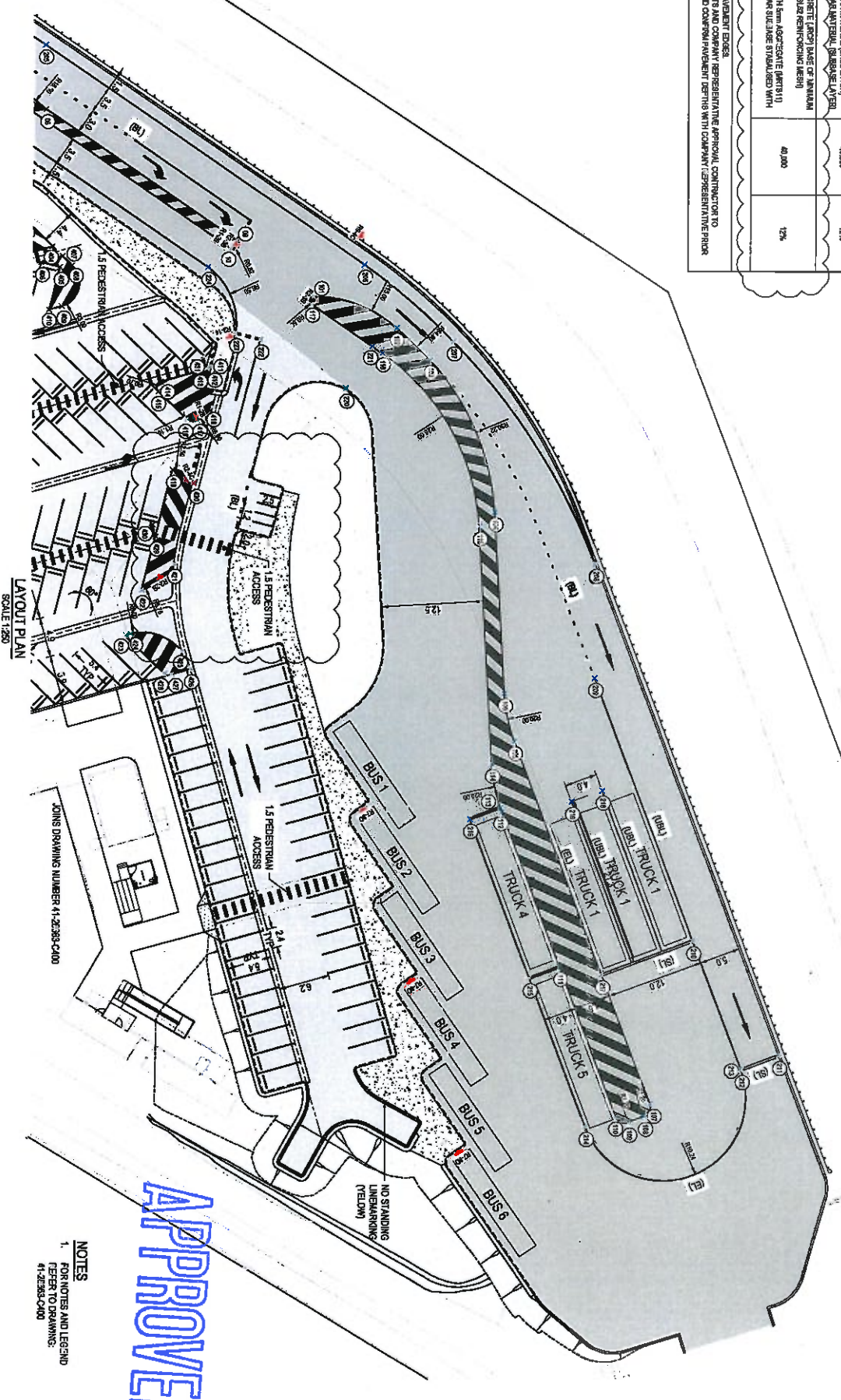


**PAVEMENT SPECIFICATIONS**

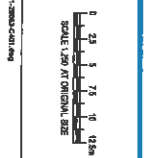
TYPE	DESCRIPTION	DESIGN SKA#	ASSUMED SUBGRADE CBR
A	40mm AC10 ASPHALT WEARING COURSE (AS SURF) 150mm TYPE 21 UNBOUND GRANULAR MATERIAL (GRADE LAYER) 150mm TYPE 23 UNBOUND GRANULAR MATERIAL (SUBGRADE LAYER) 1% S&W SUBGRADE CURB 12%	300.000	12%
B	40mm AC10 ASPHALT WEARING COURSE (AS SURF) 150mm TYPE 21 UNBOUND GRANULAR MATERIAL (GRADE LAYER) 150mm TYPE 23 UNBOUND GRANULAR MATERIAL (SUBGRADE LAYER) 1% S&W SUBGRADE CURB 12%	40.000	12%
C	150mm JOINTED PAVED CONCRETE (JPCP) BASE OF FINISH AND FINISH COURSE (FINISH) WITH 5% AIR 150mm TYPE 23 UNBOUND GRANULAR MATERIAL (SUBGRADE LAYER) 150mm TYPE 21 UNBOUND GRANULAR MATERIAL (SUBGRADE LAYER) 1% S&W SUBGRADE CURB 12%	40.000	12%

**PAVEMENT NOTES**

1. SEE BOX DIAGRAM TO BE INSTALLED ON ALL PAVEMENT EDGES.
2. PAVEMENT NOTES ARE SUBJECT TO CONTRACTOR'S AND CONSULTANT'S APPROVAL. CONTRACTOR TO VERIFY ALL PAVEMENT NOTES AND TECHNICAL DATA WITH COMPACT REPRESENTATIVE PRIOR TO PAVEMENT CONSTRUCTION.



C	REQUESTED FOR TENDER	NS	RCF	SSV	14.10.18
B	REQUESTED FOR TENDER	NS	RCF	SSV	14.10.18
A	PRELIMINARY ISSUE	NS	RCF	SSV	14.10.18



DO NOT SCALE

Checked by: [Signature]  
Designed by: [Signature]

Client: CONOCOPHILLIPS AUSTRALIA  
Project: FLN CARPARK REPURPOSING WORKS  
Drawing No: 41-28663-CA01

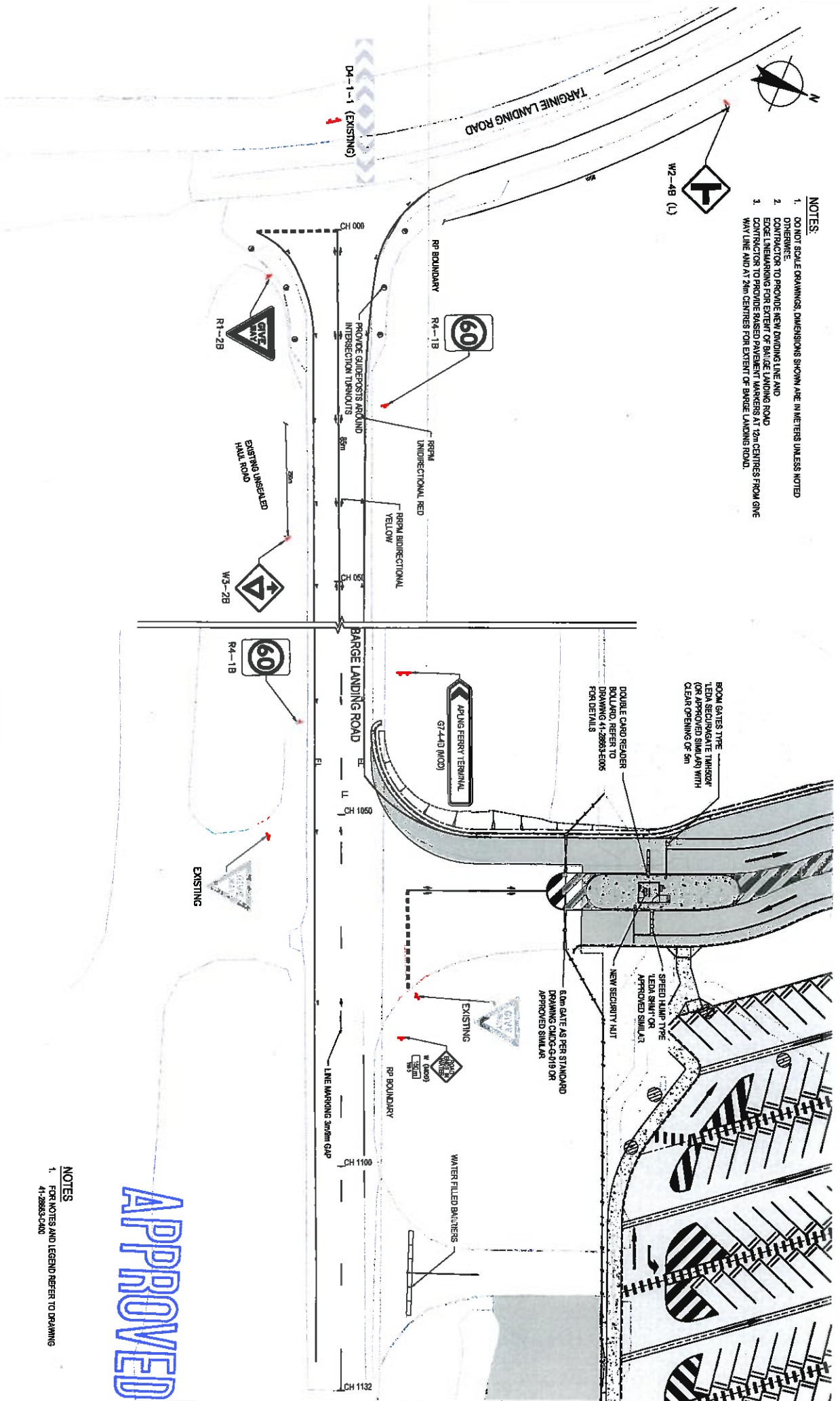
Notes:

- FOR NOTES AND LEGEND REFER TO DRAWING: 41-28663-CA00

APPROVED

FOR TENDER

- NOTES:**
- DO NOT SCALE DRAWINGS, DIMENSIONS SHOWN ARE IN METERS UNLESS NOTED OTHERWISE.
  - CONTRACTOR TO PROVIDE NEW DIVIDING LINE AND EDGE LINEMARKING FOR EXTENT OF BARGE LANDING ROAD
  - CONTRACTOR TO PROVIDE RAISED PAVEMENT MARKERS AT 7m CENTRES FROM GIVE WAY LINE AND AT 20m CENTRES FOR EXTENT OF BARGE LANDING ROAD.



APPROVED

**NOTES**  
 1. FOR NOTES AND LEGEND REFER TO DRAWING 41-28663-C400

**LAYOUT PLAN**  
 SCALE 1:250

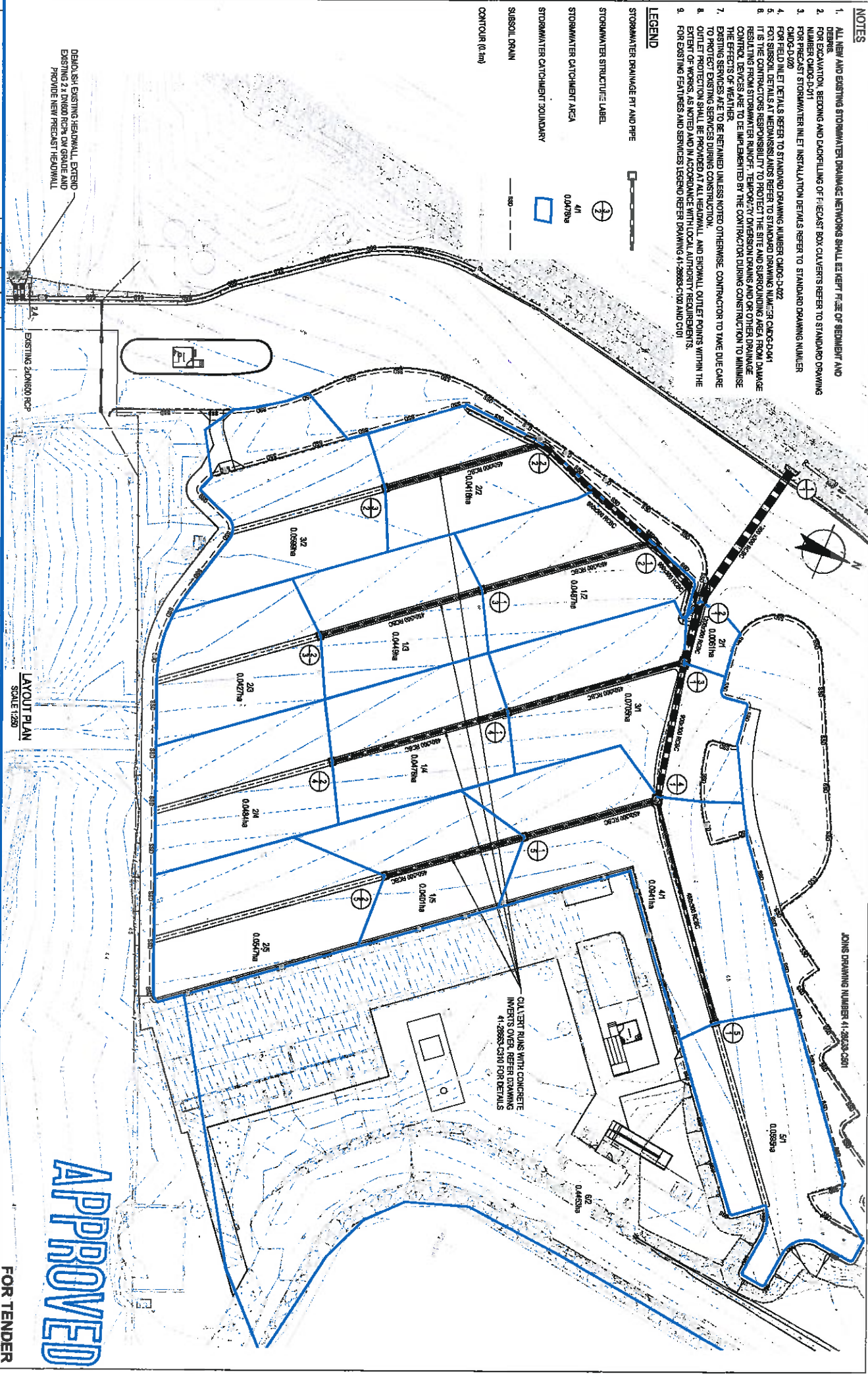
D	RE-DESIGNED FOR APPROVAL	H8	RP	EW	PL/AT			<p>198 Ave St Brisbane QLD 4000 Australia        07 277 988 000        Email: <a href="mailto:enquiries@conocophillips.com.au">enquiries@conocophillips.com.au</a>        Website: <a href="http://www.conocophillips.com.au">www.conocophillips.com.au</a></p>	<p>Conditions of Use:        This document may only be used by the client for the project for which it was prepared. It is not to be used for any other purpose without the prior written consent of the author. The author shall not be liable for any loss or damage arising from the use of this document.</p>	<p>Design: J. RIVIERA        Checked: G. SHIPP        Date: 11/01/2023</p>	<p>Client: <b>CONOCOPHILLIPS AUSTRALIA</b>        Project: <b>FINE CARPARK REPURPOSING WORKS - BARGE LANDING ROAD</b></p>
E	ISSUED FOR TENDER	H8	RP	EW	PL/AT						
F	ISSUED FOR APPROVAL	H8	RP	EW	PL/AT						
G	ISSUED FOR APPROVAL	H8	RP	EW	PL/AT						
C	RE-DESIGNED FOR COMMENTS	H8	RP	SW	PL/AT						
B	ISSUED FOR TENDER	H8	RP	SW	PL/AT						
A1	FOR APPROVAL	H8	RP	SW	PL/AT	<p>Scale: AS SHOWN</p> <p>The Client must not be held liable for any loss or damage arising from the use of this document.</p>	<p>Rev: <b>G</b></p>				

**NOTES**

1. ALL NEW AND EXISTING STORMWATER DRAINAGE NETWORKING SHALL BE KEPT FREE OF BEDROCK AND DEBRIS.
2. FOR EXCAVATION, BEARING AND DAPPING OF PRECAST BOX CULVERTS REFER TO STANDARD DRAWING 41-28663-C01 FOR PRECAST STORMWATER INLET INSTALLATION DETAILS REFER TO STANDARD DRAWING NUMBER 41-28663-C02.
3. FOR PRECAST STORMWATER INLET INSTALLATION DETAILS REFER TO STANDARD DRAWING NUMBER 41-28663-C02.
4. FOR SUBSOIL DETAIL REFER TO STANDARD DRAWING NUMBER C40-D-022.
5. FOR SUBSOIL DETAILS AT HEADWALLS REFER TO STANDARD DRAWING NUMBER C40-D-041.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE SITE AND SURROUNDING AREA FROM DAMAGE RESULTING FROM STORMWATER RUNOFF. TEMPORARY DRAINAGE AND OTHER DRAINAGE CONTROL DEVICES ARE TO BE IMPLEMENTED BY THE CONTRACTOR DURING CONSTRUCTION TO MINIMIZE THE EFFECTS OF WEATHER.
7. EXISTING SERVICES ARE TO BE RETAINED UNLESS NOTED OTHERWISE. CONTRACTOR TO TAKE DUE CARE TO PROTECT EXISTING SERVICES DURING CONSTRUCTION.
8. OUTLET PROTECTION SHALL BE PROVIDED AT ALL HEADWALL AND BOXWALL OUTLET POINTS WITHIN THE EXTENT OF WORKS, AS NOTED AND IN ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS.
9. FOR EXISTING FEATURES AND SERVICES REFER DRAWING 41-28663-C100 AND C101.

**LEGEND**

- STORMWATER DRAINAGE PIT AND PIPE
- STORMWATER STRUCTURE LABEL
- STORMWATER CATCHMENT AREA
- STORMWATER CATCHMENT BOUNDARY
- SUBSOIL DRAIN
- CONTOUR (0.1m)



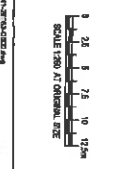
EXISTING 2000mm RCP

LAYOUT PLAN  
SCALE 1:250

**APPROVED**

**FOR TENDER**

C	REQUIRED FOR TENDER	RS	RCP	SBV	25.01.17
B	ISSUED FOR TENDER	RS	RCP	SSV	26.11.16
A	PRELIMINARY ISSUE	RS	RCP	SSV	14.10.16



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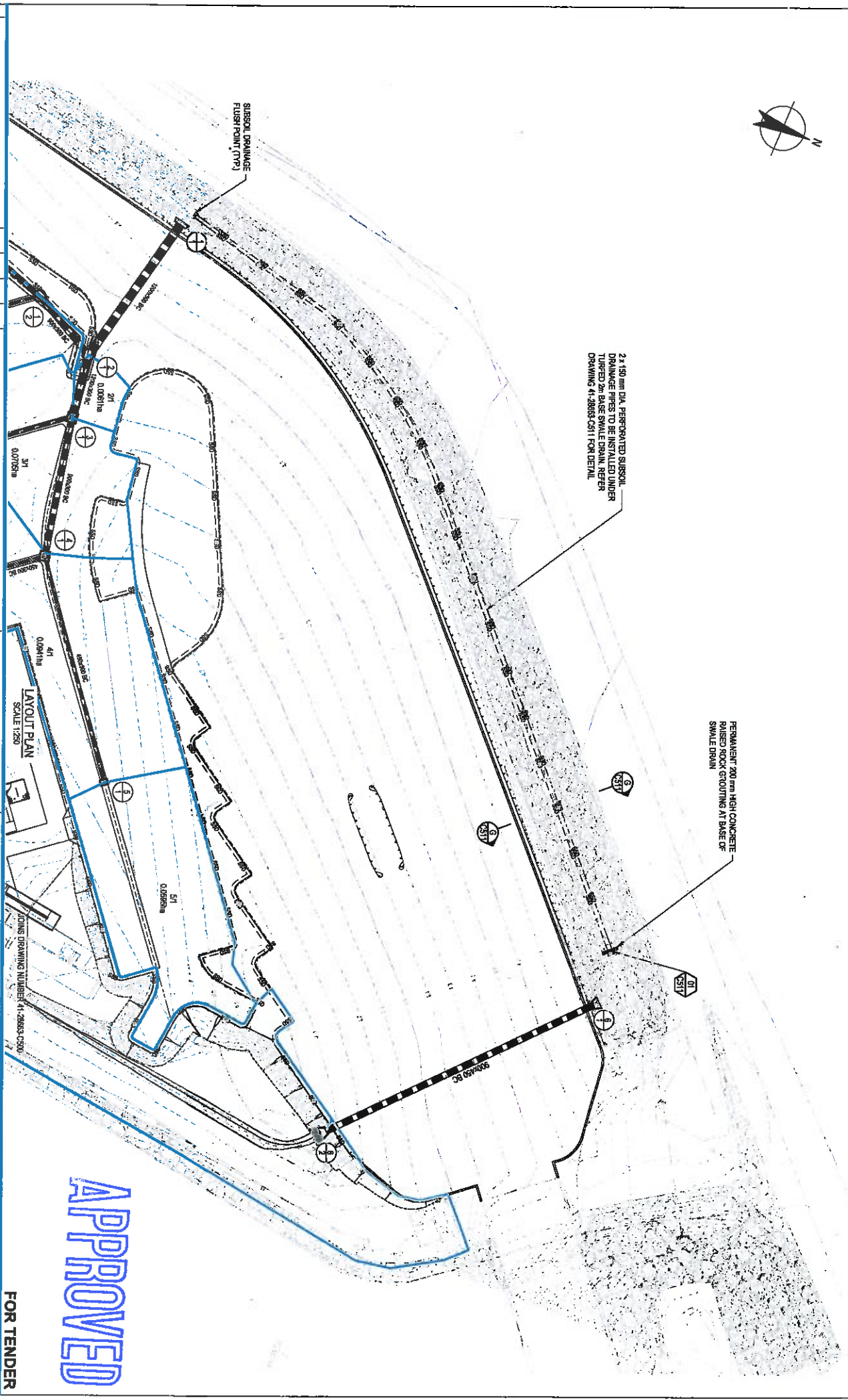
**DO NOT SCALE**

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Author	Design	Checked	Approved
DAVID J. RIVERA	DAVID J. RIVERA	DAVID J. RIVERA	DAVID J. RIVERA

**CONOCOPHILLIPS AUSTRALIA**  
FINE CARPARK REPOSING WORKS  
STORMWATER DRAINAGE  
LAYOUT PLAN SHEET 1 OF 2  
Drawing No: 41-28663-C500  
Rev: C

**NOTE**  
1. FOR NOTES AND LEGEND REFER DRAWING 41-28663-C500.

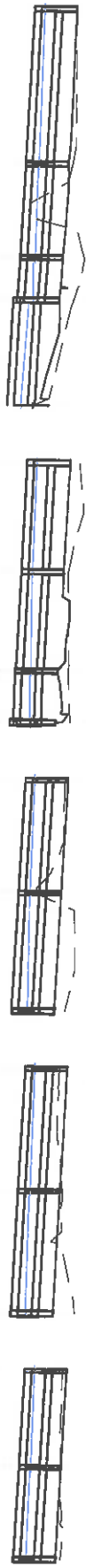


**APPROVED**

**FOR TENDER**

<p><b>CONCOCPHILLIPS AUSTRALIA</b> FINE CARPARK REPURPOSING WORKS STORMWATER DRAINAGE LAYOUT PLAN SHEET 2 OF 2</p>		<p>Client: <b>CONCOCPHILLIPS AUSTRALIA</b> Project: <b>FINE CARPARK REPURPOSING WORKS</b> Drawing No: <b>41-28663-C501</b></p>												
<p><b>DO NOT SCALE</b></p>		<p>Drawn: <b>J. RIVCEA</b> Checked: <b>D. STEPHENSON</b> Date: <b>AS SHOWN</b></p>												
<p><b>CONDITIONS OF THIS DRAWING:</b> 1. THIS DRAWING IS TO BE USED FOR THE PURPOSES SPECIFIED ONLY. 2. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. 3. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE RELEVANT AUTHORITIES. 4. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE RELEVANT AUTHORITIES.</p>		<p>Scale: <b>AS SHOWN</b></p>												
<p><b>REVISIONS:</b></p> <table border="1"> <thead> <tr> <th>No.</th> <th>Description</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ISSUED FOR TENDER</td> <td>25/11/17</td> </tr> <tr> <td>2</td> <td>ISSUED FOR TENDER</td> <td>02/11/18</td> </tr> <tr> <td>3</td> <td>PRELIMINARY ISSUE</td> <td>14/10/16</td> </tr> </tbody> </table>		No.	Description	Date	1	ISSUED FOR TENDER	25/11/17	2	ISSUED FOR TENDER	02/11/18	3	PRELIMINARY ISSUE	14/10/16	<p>Scale: <b>AS SHOWN</b></p>
No.	Description	Date												
1	ISSUED FOR TENDER	25/11/17												
2	ISSUED FOR TENDER	02/11/18												
3	PRELIMINARY ISSUE	14/10/16												

- 165 FIELD INLET TYPE 2  
900x600 WITH CLASS D GRATE
- 116 JUNCTION LINE 05  
1200x1200 MODULAR PIT (HUMES OR SIMILAR)  
LID WITH CLASS D GRATE
- 113 JUNCTION LINE 04  
1200x1200 MODULAR PIT (HUMES OR SIMILAR)  
LID WITH CLASS D GRATE
- 112 JUNCTION LINE 02  
2.4m C-M CONCRETE RGU  
(WITH Ø1.5m RCP SHAFT)
- 111 HEADWALL
- 208 FIELD INLET TYPE 2  
900x600 WITH CLASS D GRATE
- 322 2.4m C-M CONCRETE RGU  
(WITH Ø1.5m RCP SHAFT)
- 311 JUNCTION LINE 03  
2.4m C-M CONCRETE RGU  
(WITH Ø1.5m RCP SHAFT)
- 112 JUNCTION LINE 01  
2.4m C-M CONCRETE RGU  
(WITH Ø1.5m RCP SHAFT)
- 312 FIELD INLET TYPE 2  
900x600 WITH CLASS D GRATE
- 311 FIELD INLET TYPE 2  
900x600 WITH CLASS D GRATE
- 211 JUNCTION LINE 02  
2.4m C-M CONCRETE RGU  
(WITH Ø1.5m RCP SHAFT)
- 422 FIELD INLET TYPE 2  
900x600 WITH CLASS D GRATE
- 417 FIELD INLET TYPE 2  
900x600 WITH CLASS D GRATE
- 113 JUNCTION LINE 01  
1200x1200 MODULAR PIT (HUMES OR SIMILAR)  
LID WITH CLASS D GRATE
- 522 FIELD INLET TYPE 2  
900x600 WITH CLASS D GRATE
- 511 FIELD INLET TYPE 2  
900x600 WITH CLASS D GRATE
- 114 JUNCTION LINE 01  
1200x1200 MODULAR PIT (HUMES OR SIMILAR)  
LID WITH CLASS D GRATE



VELOCITY (m/s)	GRADE %	PIPE FLOW (m³/s)	PIPE SIZE (mm) & CLASS	DATUM RL	DEPTH TO INVERT	HYDRAULIC GRADE LINE	INVERT LEVEL	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL	STRUCTURE SETOUT EASTING & NORTHING	CHAINAGE
0.23	0.50%	0.03	450x300 BC	-2.0	0.764	3.721 3.715	3.637	4.401	4.422	E:313390.855 N:7363360.765	0.000
0.48	0.51%	0.13	900x300 BC	-2.0	0.764	3.520 3.520	3.4E3	4.232	4.334	E:313334.209 N:7363340.116	33.710
0.88	0.65%	0.22	1200x300 BC	-2.0	0.766	3.550 3.550	3.363	4.130	4.593	E:313314.258 N:7363335.891	54.104
0.51%	0.51%	0.34	1200x300 BC	-2.0	0.757	3.513 3.513	3.303	4.060	4.375	E:313305.060 N:7363334.555	63.399
0.88	0.51%	0.34	1200x300 BC	-2.0	0.750	3.280 3.280	3.100	3.850	3.509	E:313282.612 N:7368339.214	86.325
0.23	0.44%	0.02	450x300 BC	-2.0	0.781	3.627	3.548	4.329	4.539	E:313307.885 N:7368285.710	0.000
0.30	0.45%	0.05	600x300 BC	-2.0	0.763	3.545 3.545	3.444	4.212	4.308	E:313292.987 N:7368304.244	23.780
0.48	0.25%	0.12	800x300 BC	-2.0	0.745	3.535 3.535	3.346	4.091	4.327	E:313298.938 N:7368324.857	45.343
0.48	0.25%	0.12	800x300 BC	-2.0	0.765	3.513 3.513	3.294	4.060	4.375	E:313305.060 N:7368334.555	56.463
0.17	0.50%	0.02	450x300 BC	-2.0	0.773	3.588 3.588	3.451	4.225	4.348	E:313331.508 N:7368285.354	0.000
0.34	0.50%	0.05	450x300 BC	-2.0	0.773	3.565 3.565	3.451	4.225	4.348	E:313316.098 N:7368304.578	24.659
0.34	0.50%	0.05	450x300 BC	-2.0	0.769	3.535 3.535	3.323	4.091	4.327	E:313298.938 N:7363324.857	50.413
0.19	0.50%	0.01	450x300 BC	-2.0	0.756	3.630 3.630	3.641	4.263	4.397	E:313347.709 N:7368294.247	0.000
0.37	0.50%	0.05	450x300 BC	-2.0	0.756	3.630 3.630	3.507	4.263	4.311	E:313330.634 N:7363315.089	28.708
0.37	0.50%	0.05	450x300 BC	-2.0	0.756	3.550 3.550	3.374	4.130	4.523	E:313314.258 N:7368336.891	53.415
0.21	0.50%	0.03	450x300 BC	-2.0	0.756	3.757 3.757	3.662	4.438	4.349	E:313360.066 N:7368307.926	0.000
0.37	0.50%	0.05	450x300 BC	-2.0	0.756	3.663 3.663	3.577	4.333	4.319	E:313146.804 N:7363324.438	21.177
0.37	0.50%	0.05	450x300 BC	-2.0	0.756	3.620 3.620	3.476	4.282	4.334	E:313334.209 N:7368334.116	41.263

APPROVED

FOR TENDER

<b>DO NOT SCALE</b>	<b>Design:</b> J. REBEKA	<b>Checked:</b> D. BREWELL	<b>Client:</b> CONCOPhillips AUSTRALIA
	<b>Drawn:</b> J. REBEKA	<b>Checked:</b> D. BREWELL	<b>Project:</b> FINE CARPARK REPURPOSING WORKS
	<b>Scale:</b> AS B2004	<b>Scale:</b> AS B2004	<b>Title:</b> LONGITUDINAL SECTIONS SHEET 1 OF 2
			<b>Contract:</b> A1
			<b>Drawing No.:</b> 41-28663-C510

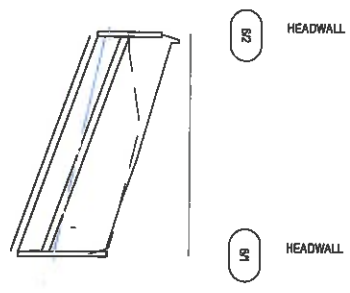
REVISIONS

No.	Date	Description	By	App'd
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2		REVISED FOR TENDER	NS	NS
3		FINAL ISSUE	NS	NS

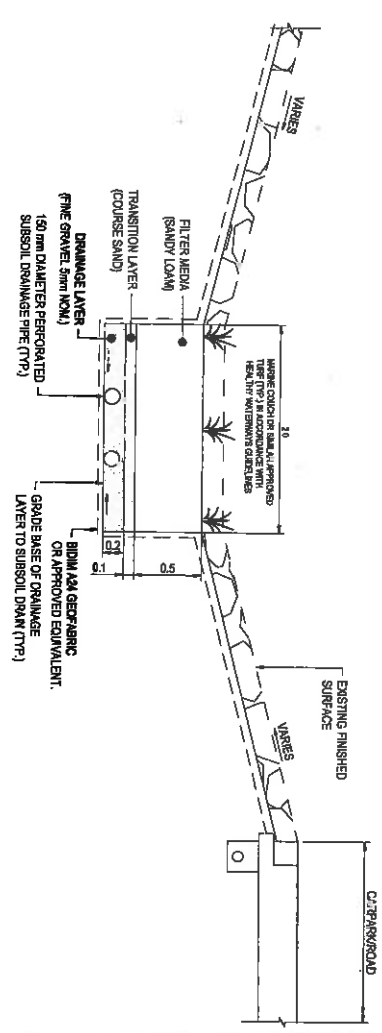
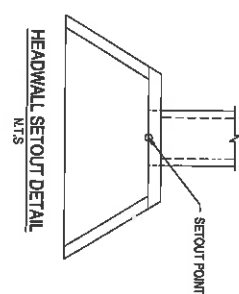
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Drawing No. 41-28663-C510

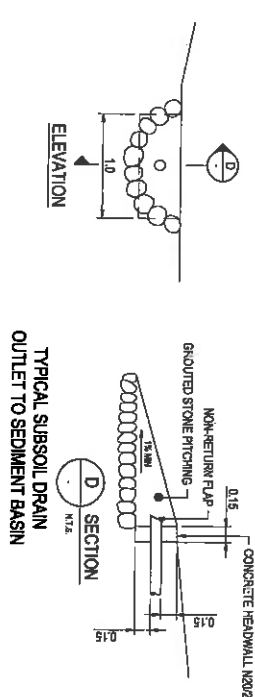




VELOCITY (m/s)	0.39
GRADE %	1.5%
PIPE FLOW (m³/s)	0.13
PIPE SIZE (mm) & CLASS	900x60 BC
DATUM RL	-3.0
DEPTH TO INVERT	1.22
HYDRAULIC GRADE LINE	3.821 3.745
INVERT LEVEL	3.800
DESIGN SURFACE LEVEL	4.824
EXISTING SURFACE LEVEL	4.187
MANHOLE SETOUT EASTING & NORTHING	E:313394.642 N:7368409.833
CHAINAGE	0.000



**G**  
TYPICAL SECTION G -  
BIO-RETENTION SWALE  
SCALE 1:25

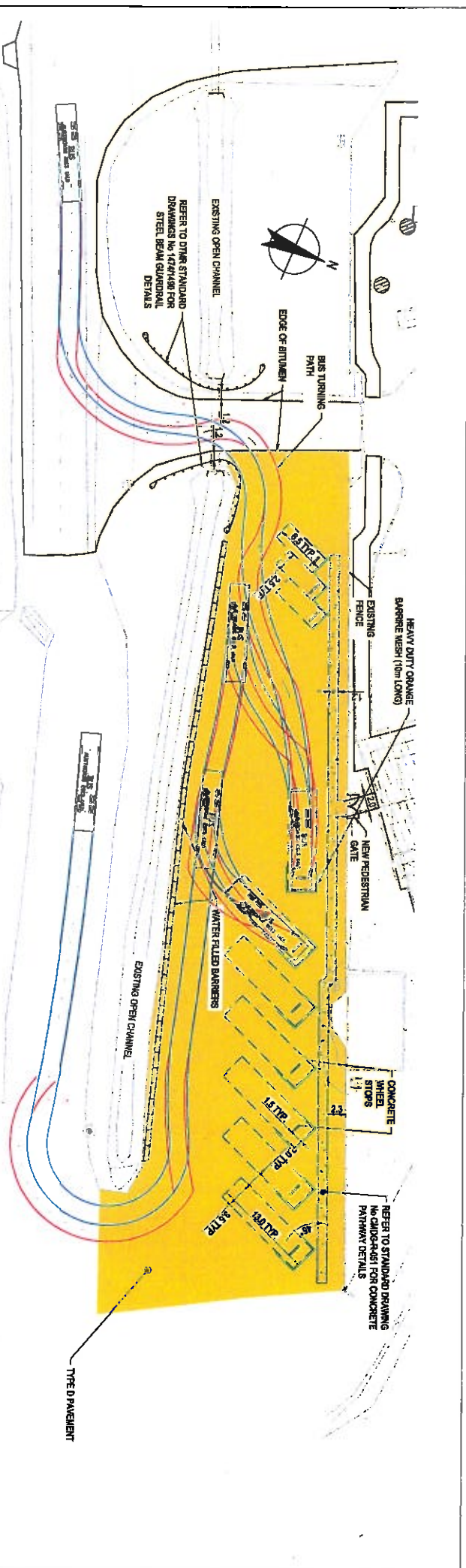


**D**  
TYPICAL SUBSOIL DRAIN  
OUTLET TO SEDIMENT BASIN  
SCALE 1:25

**APPROVED**

FOR TENDER

<b>CONOCOPHILLIPS AUSTRALIA</b> FLNE CARPARK REPURPOSING WORKS LONGITUDINAL SECTIONS SHEET 2 OF 2	
Client: <b>CONOCOPHILLIPS AUSTRALIA</b> Project: <b>FLNE CARPARK REPURPOSING WORKS</b> Title: <b>LONGITUDINAL SECTIONS SHEET 2 OF 2</b> Drawing No: <b>41-28663-C511</b>	Designer: <b>J. RIVERA</b> Checker: <b>D. SPIEL</b> Scale: <b>AS SHOWN</b> Date:
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LAYOUT PLAN  
SCALE 1:250

PAVEMENT SPECIFICATIONS		
TYPE	DESCRIPTION	ASSIGNED SUBGRADE COR
D	100mm TYPE 2.1 UNBLENDED TREATED COURSE (CORN 3 40%) 150mm TYPE 2.1 UNBLENDED GRANULAR BASE 180/20 COR 12%	12%

**PAVEMENT NOTES**

1. UNBLENDED TREATED COURSE TO BE OF BRANWATER PRODUCT 105.840 AND GRADING COEFFICIENT: 10.34 (M PER 100MM) WITH A MINIMUM OF 1% FALL TO THE EDGES.

2. PAVEMENT DEPTH SUBJECT TO COR RESULTS AND COMPANIES REPRESENTATIVE APPROVAL. CONTRACTOR TO UNDERTAKE ADV. SOAKED COR TESTING AND CONFORM PAVEMENT DEPTH WITH SUPERINTENDENT PRIOR TO PAVEMENT CONSTRUCTION.

**LEGEND:**

- PAVEMENT TYPE D
- WATER FILLED BARRIER
- CONCRETE PATHWAY
- CONCRETE WHEEL STOPS
- STEEL BEAM GUARDRAIL
- BATTER
- └─┘ HEAVY DUTY ORANGE BARRIER MESH

APPROVED

FOR APPROVAL

<b>F</b> ISSUED FOR APPROVAL	NS	RCP	SSVP	B&A/47													
<b>E</b> ISSUED FOR COMMENTS	NS	RCP	SSVP	B&A/47													
<b>D</b> PREPARED FOR TENDER	NS	RCP	SSVP	B&A/47													
<b>C</b> PREPARED FOR TENDER	NS	RCP	SSVP	B&A/47													
<b>B</b> ISSUED FOR TENDER	NS	RCP	SSVP	B&A/47													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>Issue</th> <th>Date</th> <th>By</th> <th>Check</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						No.	Revision	Issue	Date	By	Check						
No.	Revision	Issue	Date	By	Check												
<p>Head Office: 100 Stirling Street, Melbourne VIC 3000 Australia          Phone: +61 3 9594 2000 Fax: +61 3 9594 2001          Email: <a href="mailto:info@ghd.com.au">info@ghd.com.au</a> Website: <a href="http://www.ghd.com.au">www.ghd.com.au</a></p>																	
<p><b>DO NOT SCALE</b></p>		<p>Checked: <b>AS BUDDM</b></p>		<p>Design: <b>D. SPRELL</b></p>													
<p>Concophonics Australia          1100 Stirling Street, Melbourne VIC 3000 Australia          Phone: +61 3 9594 2000 Fax: +61 3 9594 2001          Email: <a href="mailto:info@concophonics.com.au">info@concophonics.com.au</a></p>			<p>The Drawing must be in accordance with the          National Standard for Technical Drawings AS 1100</p>														
<p>Project: <b>CONCOPHILLIPS AUSTRALIA          FINE CARPARK REFURBISHING WORKS          TEMPORARY BUS PARKING          LAYOUT PLAN</b></p>			<p>Sheet No: <b>A1</b> Drawing No: <b>41-28663-C600</b></p>														
<p>Rev: <b>F</b></p>																	



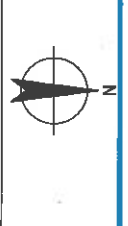
NOTES:  
1. REFER TO DRAWING 41-28663-E001 FOR GENERAL NOTES AND DETAILS

**LEGEND OF SYMBOLS**

- 1. EXISTING HIGH RAST ASYMMETRIC AREA FLOODLIGHT TO BE RETAINED.
- 2. EXISTING POLE AND STREETLIGHT TO BE REMOVED.
- 3. EXISTING STRUCTURE MOUNTED STREETLIGHT TO BE REMOVED.
- 4. EXISTING POLE AND STREETLIGHT TO BE RECOVERED AND/OR RELOCATED TO POSITION SHOWN.
- 5. EXISTING POLE AND STREETLIGHT TO BE RELOCATED TO THIS POSITION, PROVIDE NEW FOOTING TO SUIT EXISTING COLUMN, REFER FOOTING DESIGN NOTE AND COORDINATE TABLE.
- 6. EXISTING POLE AND STREETLIGHT TO BE RELOCATED TO THIS POSITION, RECOVER AND REUSE EXISTING BASEPLATE AND STRUCTURAL SUPPORTS TO MATCH EXISTING. REFER: 41-28663-E002 FOR DETAILS.
- 7. PROVIDE STREETLIGHT AT THIS POSITION, STREETLIGHT AND MOUNTING TO BE REBEL, DIMENSIONED TO SUIT MOUNTING, 12MM MOUNTING HEIGHT, 5" UPCAST, REFER FOOTING DESIGN NOTE AND COORDINATE TABLE.
- 8. APPROXIMATE LOCATION OF EXISTING ELECTRICAL CABLEING PT TO BE RETAINED.
- 9. APPROXIMATE ROUTE OF EXISTING UNDERGROUND ELECTRICAL CONDUITS AND CABLEING TO BE RETAINED AND PROTECTED DURING CONSTRUCTION.
- 10. APPROXIMATE LOCATION OF EXISTING CABLEING PT TO BE DECOMMISSIONED AND REMOVED.
- 11. APPROXIMATE ROUTE OF EXISTING REDUNDANT UNDERGROUND CONDUIT TO BE ABANDONED.
- 12. NEW ELECTRICAL CABLEING PT TO BE CONSTRUCTED IN THIS POSITION WITH MEDIUM DUTY (CLASS C) TO ASSURE STEEL COVER, MINIMUM 60MM/2 3/4" DEEP.
- 13. ROUTE OF ADDITIONAL UNDERGROUND ELECTRICAL CONDUITS AND CABLEING, SIZE AND QUANTITY OF CONDUITS AS NOTED.
- 14. APPROXIMATE LOCATION OF EXISTING COMMUNICATIONS CABLEING PT TO BE RETAINED.
- 15. APPROXIMATE ROUTE OF EXISTING UNDERGROUND COMMUNICATION CONDUITS AND CABLEING TO BE RETAINED AND PROTECTED DURING CONSTRUCTION.
- 16. NEW COMMUNICATIONS CABLEING PT TO BE CONSTRUCTED IN THIS POSITION WITH MEDIUM DUTY (CLASS C) TO ASSURE STEEL COVER, MINIMUM 60MM/2 3/4" DEEP.
- 17. ROUTE OF ADDITIONAL UNDERGROUND COMMUNICATIONS CONDUITS AND CABLEING, SIZE AND QUANTITY OF CONDUITS AS NOTED.
- 18. MAINLINE GRADE (STAINLESS STEEL) CCTV EQUIPMENT, MOUNT AT HEIGHT TO COMPANY REPRESENTATIVE SATISFACTION (MINIMUM 10M FOR POLE MOUNT U.L.O.), ALLOW TO BE MAIN AS NECESSARY, PELO SPECTRA ENHANCED SERIES CW HEATER PELO PRODUCT NUMBER 8620-EE0) AND BRACKETS TO SUIT MOUNTING STYLE. REFER DRAWING 41-28663-E006 FOR MOUNTING DETAILS.
- 19. EXISTING DISTRIBUTION BOARD.
- 20. EXISTING DATA EQUIPMENT RACKS.
- 21. EXISTING MAIN SWITCHBOARD.
- 22. NEW DATA EQUIPMENT RACK, REFER SCHEMATIC ON DRAWING 41-28663-E003.
- 23. NEW SECURITY HIT SECURITY PANEL.
- 24. MULTIPLE 8 PIN MODULAR TELECOMMUNICATIONS OUTLET (TO), NUMBER OF OUTLETS AS SHOWN (EXAMPLE 3 IN 1) ON WALL AT HEIGHT TO MATCH ADJACENT SS0.
- 25. EX. DEMONTS EXISTING TO REMAIN.
- 26. DOUBLE 10A SWITCHED SOCKET OUTLET (SS0), CLASS 99A, 2000 SERIES OF APPROVED EQUAL.
- 27. EX. DEMONTS EXISTING TO REMAIN.
- 28. ROUTE OF CABLE SUPPORT TRAY, MINIMUM 60MM/2 3/4" DEEP, UNSTRUCT. REFER TO STRUCTURAL SUPPORT DETAILS (DRAWING 41-28663-9901).

**LUMINAIRE SETOUT POINTS**

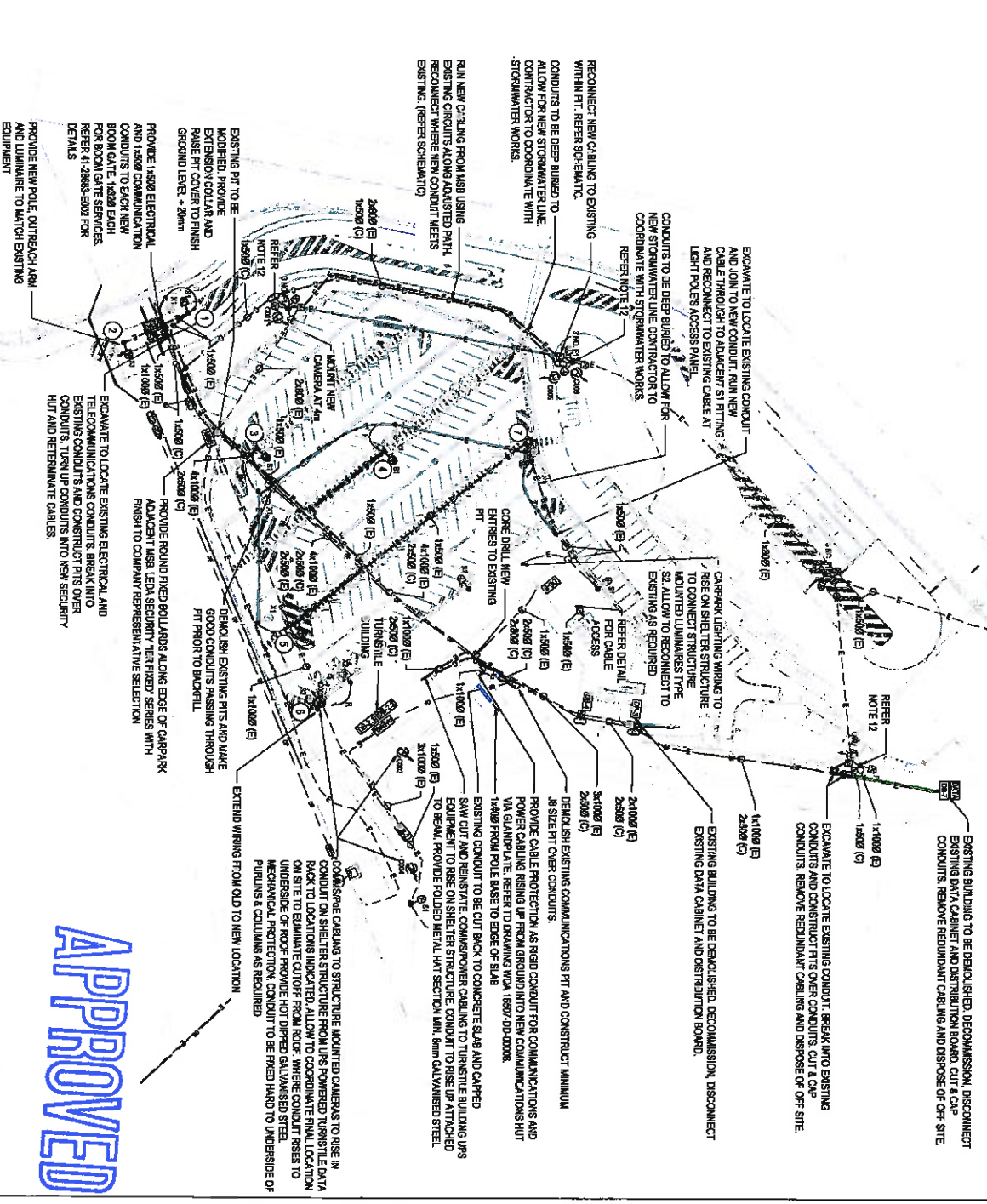
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4	315203.817	738230.446
5	315203.200	738233.293
6	315206.733	738235.439
7	315207.104	738222.904



**DO NOT SCALE**

Conditions at Site:  
Check that all dimensions are correct and that the ground level is as shown on the drawing. If not, the contractor shall be responsible for any discrepancies.

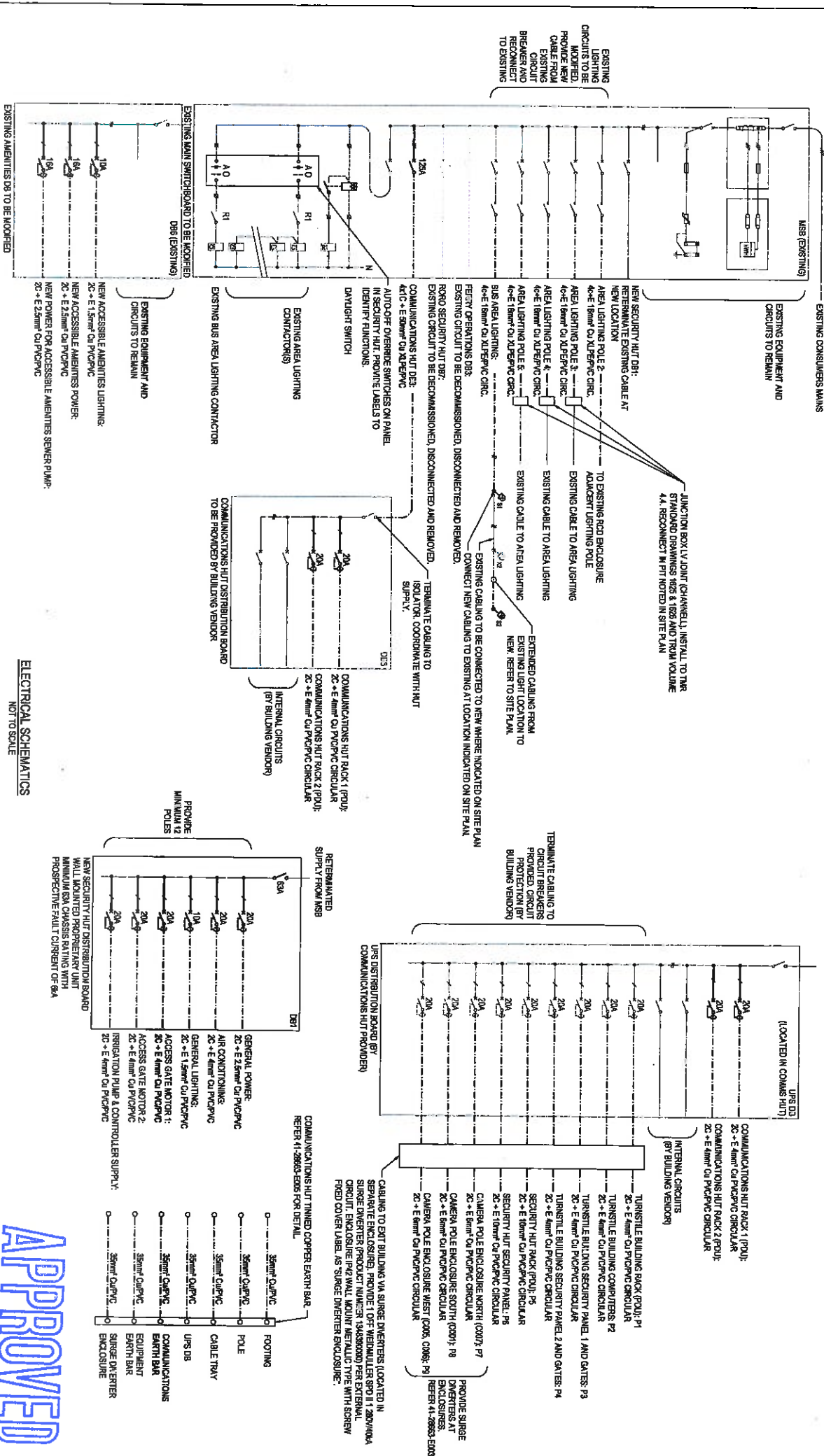
Drawn: E. BURBIDGE	Checked: (Signature)
Designed: R. KRALOVIC	Checked: (Signature)
Project: CONOCOPHILLIPS AUSTRALIA	Checked: (Signature)
Title: FINE CARPARK REPAIR/POSING WORKS	Checked: (Signature)
Client: AREA LIGHTING AND CCTV	Checked: (Signature)
Overseeing Ref: 41-28663-E001	Checked: (Signature)



**APPROVED**

**FOR TENDER**

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ELECTRICAL SCHEMATICS  
NOT TO SCALE

APPROVED

E. PRESSURE FOR TENDER		R3	RO'	SSP'	RO2(1)
D. PRESSURE FOR TENDER		NOAK	SSV'	SSV'	RO2(1)
C. PRESSURE FOR TENDER		E/E	RO'	SSV'	RO2(1)
B. LEAKED FOR TENDER		E/E	RO'	SSV'	RO2(1)
A. PRELIMINARY ISSUE		E/E	SSV'	SSV'	RO2(1)

NO	REVISION	DATE	BY	CHKD BY
1	ISSUED FOR TENDER			
2	ISSUED FOR TENDER			
3	ISSUED FOR TENDER			
4	ISSUED FOR TENDER			
5	ISSUED FOR TENDER			

Client:	CONOCOPHILLIPS AUSTRALIA
Project:	FINE CANPARK REPAIR/POSSING WORKS
Title:	ELECTRICAL SERVICES SCHEMATICS - SHEET 1 OF 2
Drawing No.:	41-28663-E002
Rev.:	E

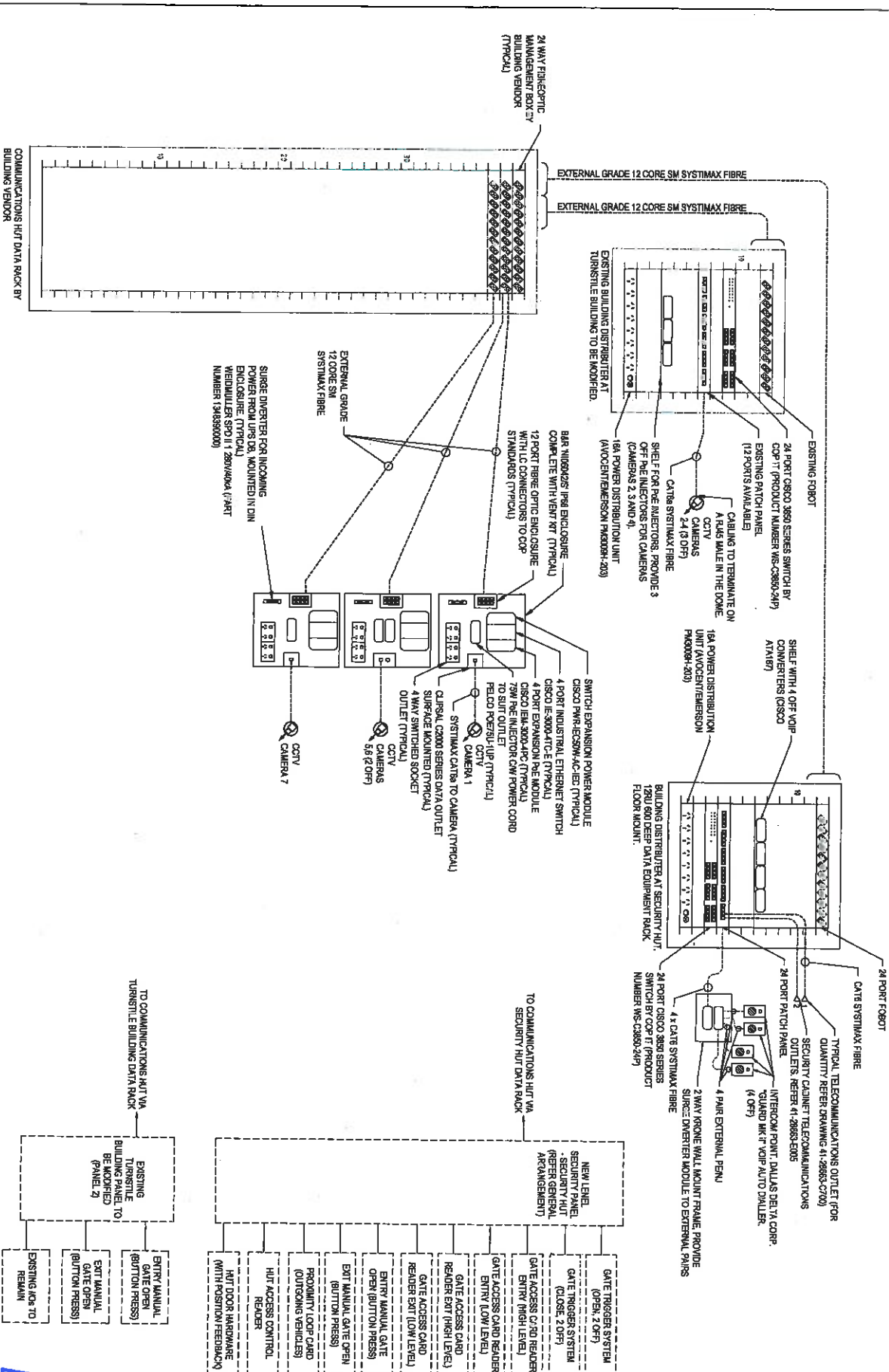
  

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Scale: NOT TO SCALE.

Drawn By: E. ERNSTER  
Checked By: K. NEATZ



**COMMUNICATIONS SCHEMATIC**  
NOT TO SCALE

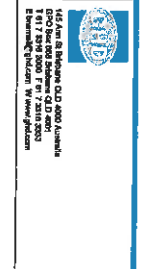
**TYPICAL PANEL CONNECTIONS**  
ACCESS CONTROL BLOCK DIAGRAM  
NOT TO SCALE

**APPROVED**

**FOR TENDER**

D	RE-ASSEMBLED FOR TENDER	NS	RCV	SSV	28.11.17
C	RE-ASSEMBLED FOR TENDER	NS	SSV	28.11.16	
B	RE-ASSEMBLED FOR TENDER	EIE	RCV	SSV	17.11.18
A	ISSUED FOR TENDER	EIE	RCV	SSV	28.11.18

NS	NS	RCV	SSV	28.11.17
NS	NS	SSV	28.11.16	
EIE	RCV	SSV	17.11.18	
EIE	RCV	SSV	28.11.18	

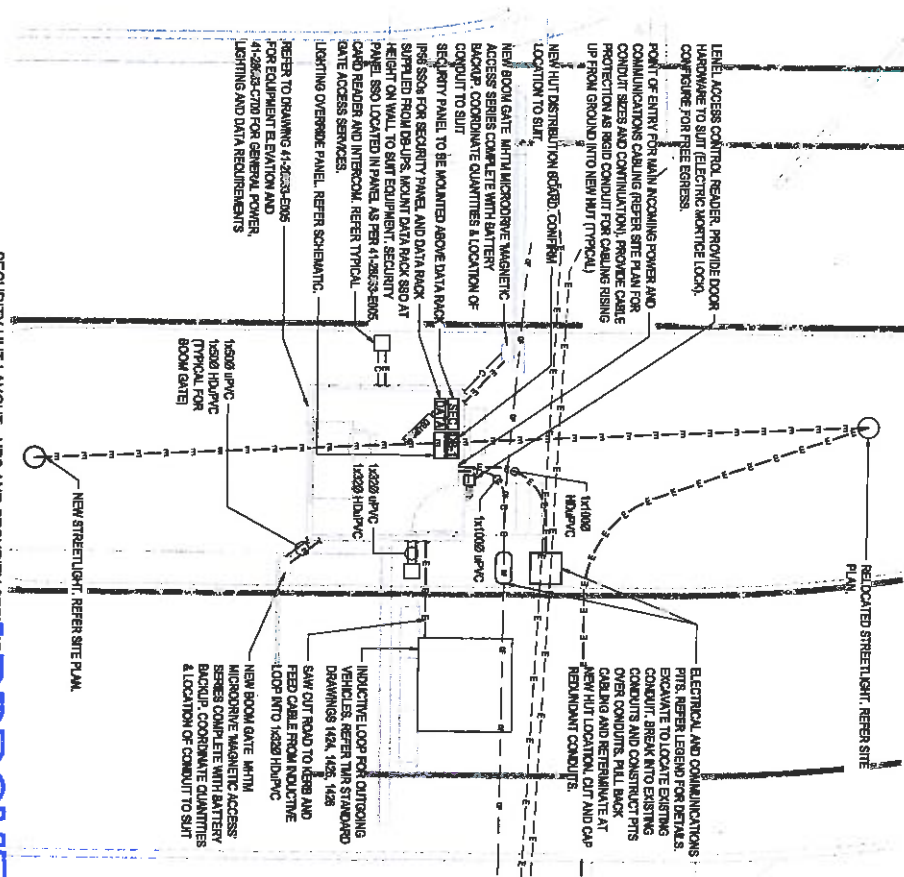
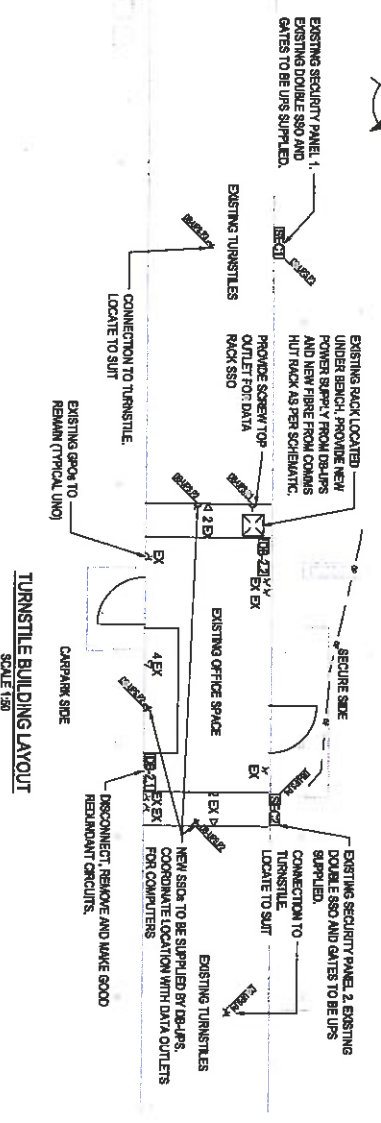
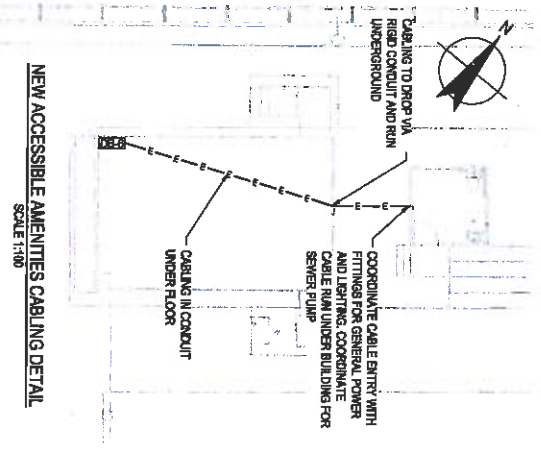


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E Brisbane@conoc.com.au W www.conoc.com.au

<b>DO NOT SCALE</b>	Design	Checked
	Diana E. CHMERS	Debra K. ROBERTS
	Approved	Approved
	(Signature)	(Signature)
	Scale	Scale
	NOT TO SCALE	NOT TO SCALE

Client: **CONOC PHILLIPS AUSTRALIA**  
Project: **FLINE CARPARK REPURPOSING WORKS**  
The: **ELECTRICAL SERVICES SCHEMATICS - SHEET 2 OF 2**  
Drawing No: **41-28663-E003**  
Rev: **D**

**NOTES:**  
1. REFER TO DRAWING A1-28663-E003 FOR GENERAL NOTES AND DETAILS



**APPROVED**

**FOR TENDER**

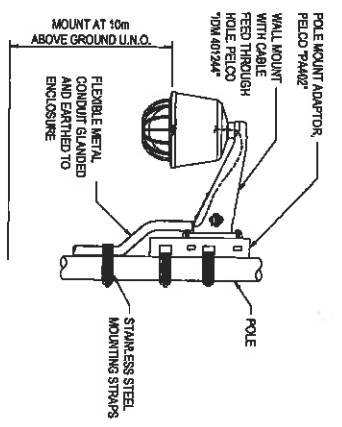
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D	ISSUED FOR TENDER	1	NO	26,114.16
C	ISSUED FOR TENDER	1	NO	17,114.16
B	ISSUED FOR TENDER	1	NO	12,114.16
A	PRELIMINARY ISSUE	1	NO	14,018.16

Item	Description	Quantity	Unit	Value
DO NOT SCALE	DO NOT SCALE	1	NO	0.00

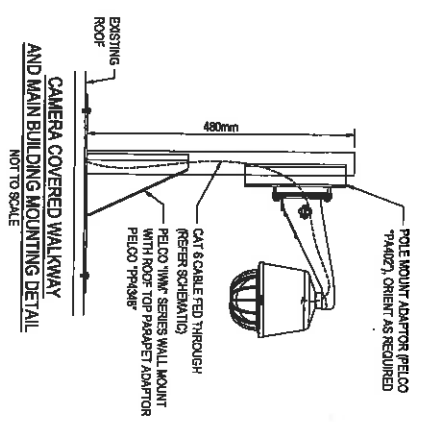
**CONOCOPHILLIPS AUSTRALIA**  
**FINE CARPARK REPAIRING WORKS**  
**ELECTRICAL SERVICES**  
**BUILDING DETAILS**  
**41-28663-E004**

**GENERAL NOTES:**

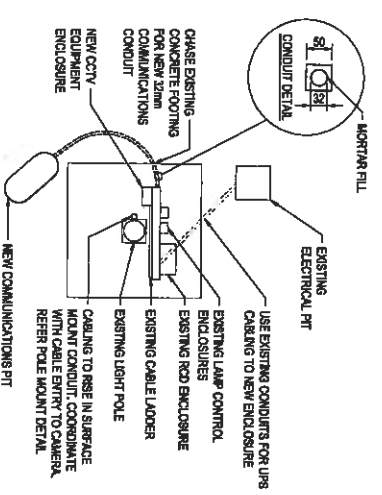
- DO NOT SCALE DRAWINGS. DIMENSIONS SHOWN ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH AUSTRALIAN LOCAL AUTHORITY AND SUPPLY AUTHORITY REQUIREMENTS.
- TELEPHONE AND DATA CABLE INSTALLATION AND TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AUSTRALIAN STANDARDS, AS/NZS 3000 AND CONCOCPHILLIPS NETWORK SERVICES STANDARDS. STRUCTURED CABLEING REQUIREMENTS.
- THE CONTRACTOR SHALL VERIFY, IN RELATION TO THE WORKS, THE LOCATIONS OF ALL UNDERGROUND AND ABOVE GROUND SERVICES ON SITE. IN THE EVENT OF UNDISCOVERED SERVICES ON SITE, DESIGN ADVICE SHALL BE SOUGHT BEFORE ANY CHANGES TO THE DOCUMENTED ARRANGEMENTS ARE UNDERTAKEN.
- ALL EQUIPMENT SHOWN SHALL BE NEW UNLESS NOTED OTHERWISE.
- ALL CONDUITS AND COVERS, WHERE EXPOSED TO VIEW OR WEATHER SHALL BE PAINTED TO MATCH ADJACENT SURFACES.
- FAULT AND DISCRIMINATION LEVELS SHOWN ARE BASED ON TERSAUNT TERNBERG 2 XS AND DIN-T CIRCUIT BREAKERS. SUBMIT CALCULATIONS AND DETAILS OF ALTERNATE SELECTIONS FOR APPROVAL.
- CONDUIT & CABLE SIZES SHOWN ARE MINIMUM SIZES. FINAL SIZES SHALL BE DETERMINED TO SUIT WIRING METHODS AND DERATING FACTORS.
- THIS LAYOUT HAS BEEN DESIGNED TO COMPLY WITH THE REQUIREMENTS FOR LIGHTING CATEGORIES AS FOLLOWS:
  - STAGING AREA: P10 TO AS/NZS 1183.1.
  - CORRIDORS: P10 AND P12 TO AS/NZS 1183.1.
- ALL LUMINAIRES SHALL BE RATED INITIALLY AS DOCUMENTED. ALLOW TO BE AM ALL LUMINAIRES TO THE SATISFACTION OF THE COMPANY REPRESENTATIVE. REMAINING WORK SHALL BE UNDERTAKEN OUTSIDE NORMAL HOURS (i.e. AFTER DARK).
- FINAL LOCATION OF ELECTRICAL AND COMMUNICATIONS CABLE TRAYS AND DISTRIBUTION BOXES SHALL BE COORDINATED WITH LANDSCAPE AND PAVEMENT LAYOUTS. FITS SHALL BE LOCATED IN TRAYEL WITHIN PAVEMENT OR GARDEN AREAS AND SHALL NOT INTERRUPT PAVEMENT AND/OR GARDEN EDGES.
- PROVIDE PER POLE MOUNTED ENCLOSURE FOR PROVISION OF POWER & COMMS TO POLE MOUNTED CAMERA TO RISE UP IN CONDUIT FROM ENCLOSURE. REFER GENERAL ARRANGEMENT ON DRAWING 41-28663-E005.
- ELECTRONIC SECURITY SYSTEM DETAIL DESIGN, INSTALLATION AND COMMISSIONING TO BE UNDERTAKEN BY NOMINATED SUB-CONTRACTOR (LEVEL CERTIFIED).
- POLE FOOTINGS AND INSTALLATION SHALL BE DESIGNED TO AS1170/2 (TERRAIN CATEGORY 2, REGION C & ULTIMATE DESIGN WIND SPEED OF 44m/s).
- ALL EXISTING UNDERGROUND AND COMMUNICATIONS CABLE TO BE REMOVED.
- ALL PATCHING AND RECONFIGURATION OF COMMUNICATIONS EQUIPMENT TO BE BY CONTRACTOR IN COORDINATION WITH COP IT AND COP TELECOM DEPARTMENTS FOR ALL RELATED WORKS.



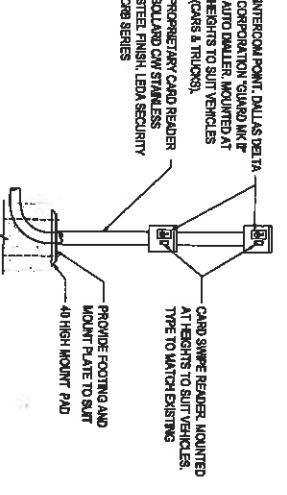
**CAMERA POLE MOUNTED DETAIL**  
NOT TO SCALE



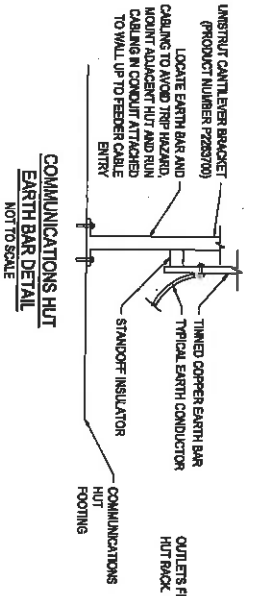
**CAMERA COVERED WALKWAY AND MAIN BUILDING MOUNTING DETAIL**  
NOT TO SCALE



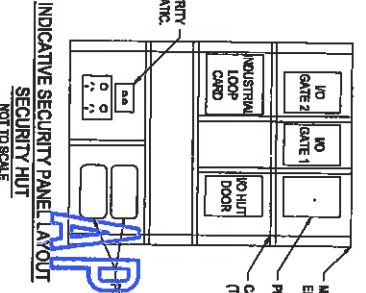
**CAMERA ENCLOSURE GENERAL ARRANGEMENT AT LIGHTING POLE (TYPICAL)**  
NOT TO SCALE



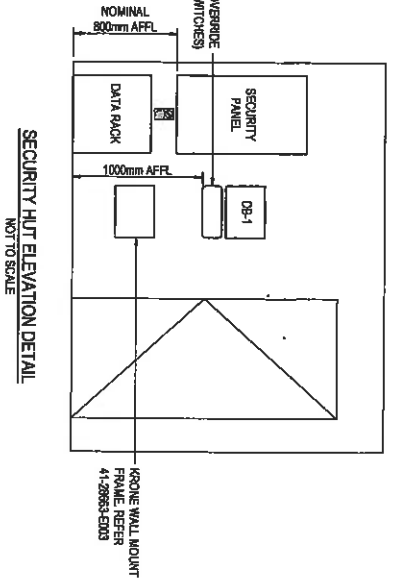
**TYPICAL ACCESS GATE SERVICES**  
NOT TO SCALE



**COMMUNICATIONS HUT EARTH BAR DETAIL**  
NOT TO SCALE



**INDICATIVE SECURITY PANEL LAYOUT**  
NOT TO SCALE



**SECURITY HUT ELEVATION DETAIL**  
NOT TO SCALE

Code	Material	Quantity	Unit	Notes
D	PRE-ASSEMBLED TOWER TENDER	NS	PCP	26.0 x 1.7
C	ISOLATED FLOOR TENDER	MMK	E3P	8.8V
B	PRE-ASSEMBLED FLOOR TENDER	ELE	PCP	17.1 x 1.6
A	ISOLATED FLOOR TENDER	ELE	PCP	8.8V

**CONCOCPHILLIPS AUSTRALIA**  
FINE CARPARK REPAIRS WORKS  
ELECTRICAL SERVICES  
GENERAL NOTES & DETAILS

41-28663-E005

**APPROVED**

**FOR TENDER**

DO NOT SCALE

Scale: NOT TO SCALE

Author: K. STANATZ  
Designer: K. STANATZ  
Project: CONCOCPHILLIPS AUSTRALIA FINE CARPARK REPAIRS WORKS ELECTRICAL SERVICES GENERAL NOTES & DETAILS

Drawing No: 41-28663-E005

Rev: D



**LEGEND - PROPOSED FEATURES**

- BARRIER KERB AND CHANNEL
- CARRIER KERB
- CONCRETE INVERT
- WHEEL STOP
- SHRUB PLANTING
- GRASS
- PROPOSED TREE
- EXISTING GRASS TO BE REINSTATED AFTER COMPLETION OF CIVIL WORKS

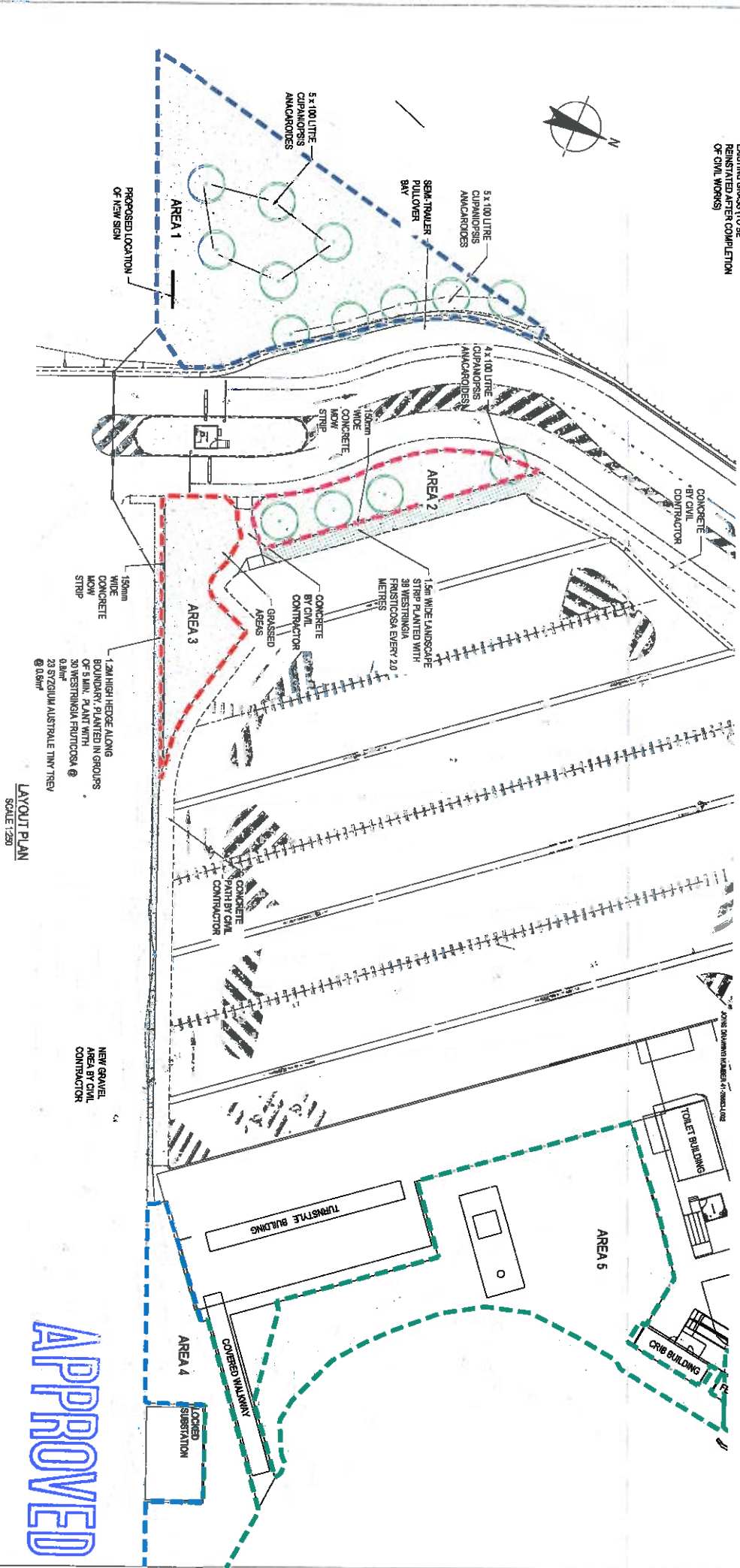
**LEGEND - GRASSSED AREAS**

- GRASS AREA 1
- GRASS AREA 2
- GRASS AREA 3
- GRASS AREA 4
- GRASS AREA 5
- GRASS AREA 6
- GRASS AREA 7
- GRASS AREA 8

AREAS FOR IRRIGATION ZONES			
AREA No.	EXISTING GRASS AREA (m <sup>2</sup> )	PROPOSED GRASSSED AREA (m <sup>2</sup> )	TOTAL AREA (m <sup>2</sup> )
1	-	844	844
2	-	194	194
3	-	230	230
4	-	465	465
5	-	638	638
6	-	481	481
7	-	273	273
8	-	433	433

- NOTES:**
- THE CONTRACTOR SHALL CHECK, CONFIRM AND SATISFY THEMSELVES THAT ALL DIMENSIONS, LEVELS AND SERVICE LOCATIONS ARE CORRECT PRIOR TO CONSTRUCTION WORKS COMMENCING ON SITE.
  - REFER TO DRAWING NUMBER 41-28663-C100 AND 41-28663-C101 FOR LOCATION OF EXISTING UNDERGROUND SERVICES.

THIS DRAWING INCLUDES COLOURED INFORMATION. IF YOU HAVE A BLACK AND WHITE COPY YOU DO NOT HAVE ALL THE INFORMATION. THIS NOTE IS COLOURED RED.



LAYOUT PLAN  
SCALE 1:250

APPROVED

FOR TENDER

NO.	REVISION	DATE	BY	CHKD	APP'D
A	PROJ. LITERARY ISSUE				
B	ISSUED FOR TENDER				
C	RE-ISSUED FOR TENDER				
D	RE-ISSUED FOR TENDER				

NO.	REVISION	DATE	BY	CHKD	APP'D
A	PROJ. LITERARY ISSUE				
B	ISSUED FOR TENDER				
C	RE-ISSUED FOR TENDER				
D	RE-ISSUED FOR TENDER				

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Client	CONOCOPHILLIPS AUSTRALIA
Project	FLINE CARPARK REPURPOSING WORKS
Title	LANDSCAPE PLAN
Sheet	SHEET 1 OF 2
Drawing No.	41-28663-L001
Rev.	D

**LEGEND**

- BARRIER KERB AND CHANNEL
- BARRIER KERB
- CONCRETE INVERT
- WHEEL STOP
- SHRUB PLANTING
- GRASS
- PROPOSED TREE
- EXISTING GRASS TO BE REINSTATED AFTER COMPLETION OF CIVIL WORKS

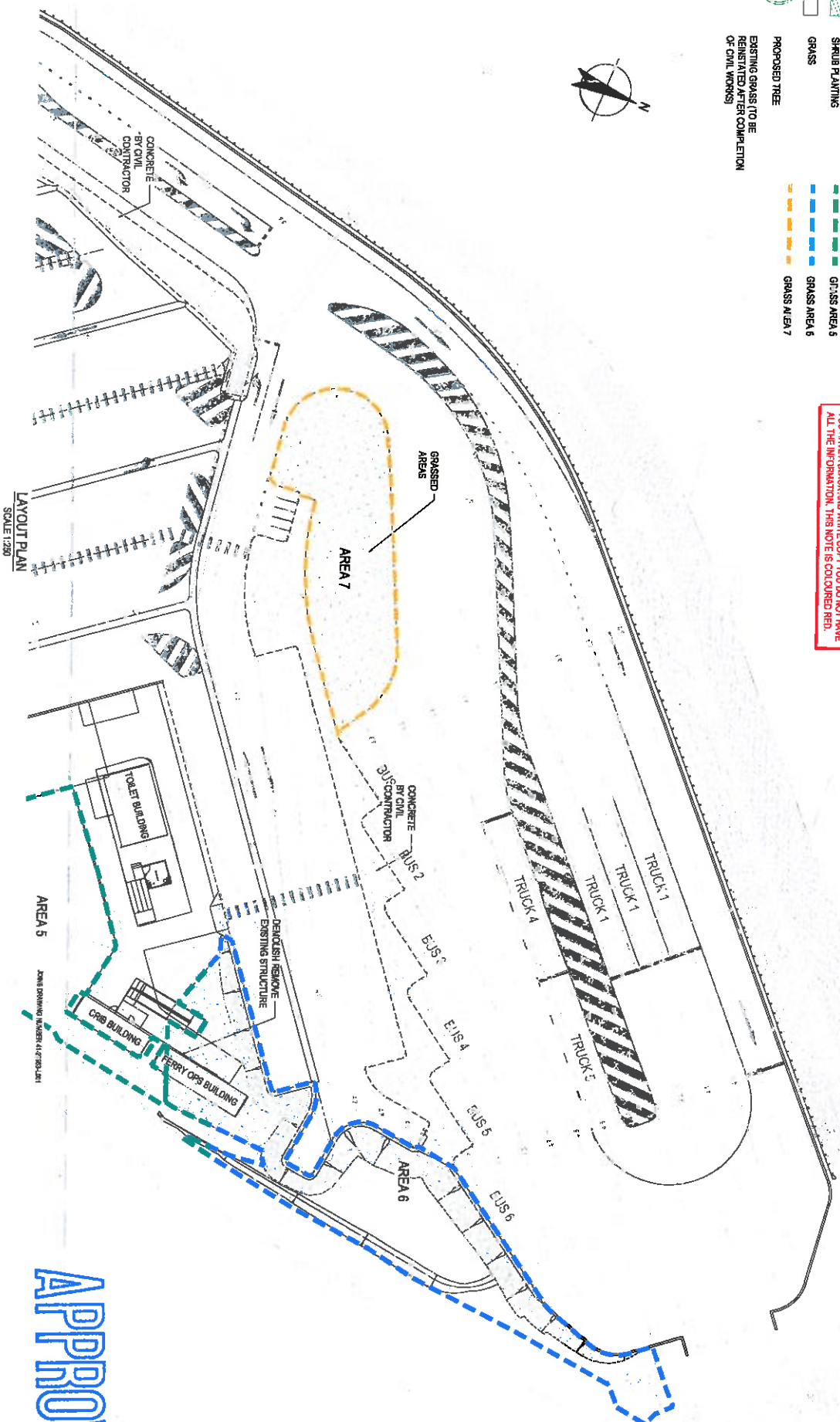
**LEGEND - GRASSED AREAS**

- GRASS AREA 1
- GRASS AREA 2
- GRASS AREA 3
- GRASS AREA 4
- GRASS AREA 5
- GRASS AREA 6
- GRASS AREA 7

**NOTE:**

REFER DRAWING 41-28663-L001 FOR FIGHTON ZONE AREAS QUANTITIES

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APPROVED

**FOR TENDER**

D	RE-DESIGNED FOR TENDER	KS	NDP	SSP	26.01.17
C	RE-DESIGNED FOR TENDER	HN	NDP	SSP	12.11.16
B	ISSUED FOR TENDER	HN	NDP	SSP	26.01.16
A	PRELIMINARY ISSUE	HN	NDP	SSP	14.03.16



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Drawn: AS BROWN  
Checked: AS BROWN  
Designed: GARTER  
Checked: GARTER

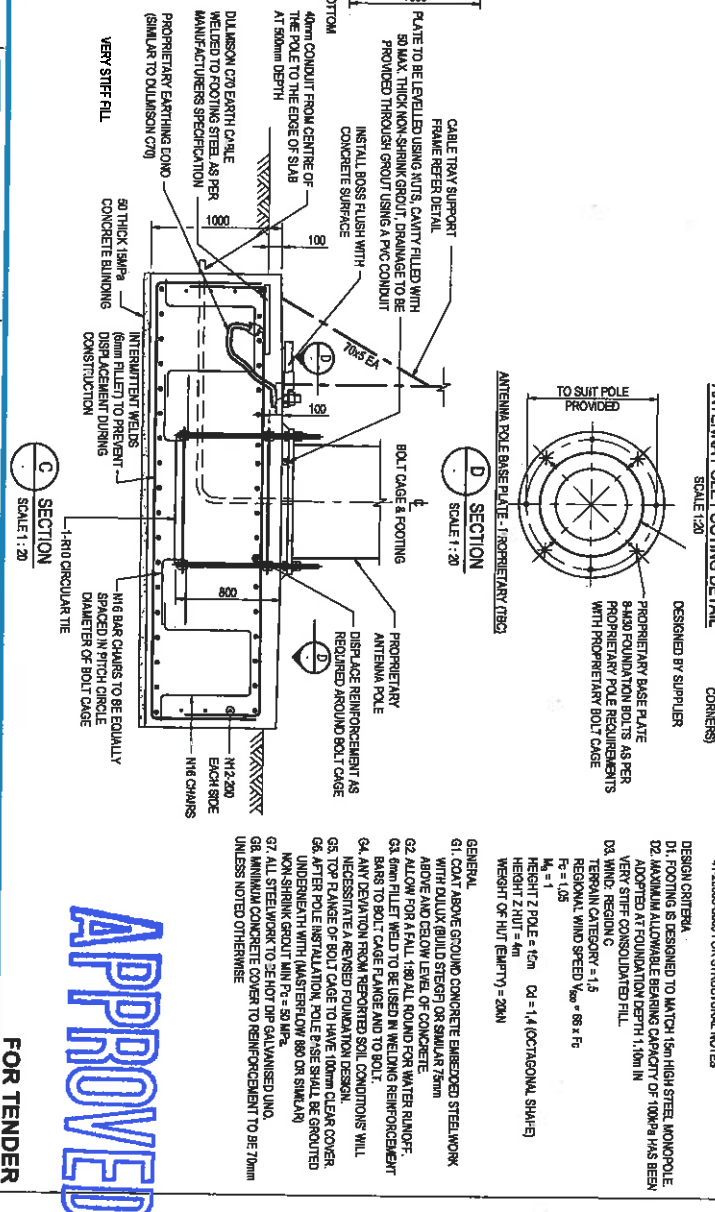
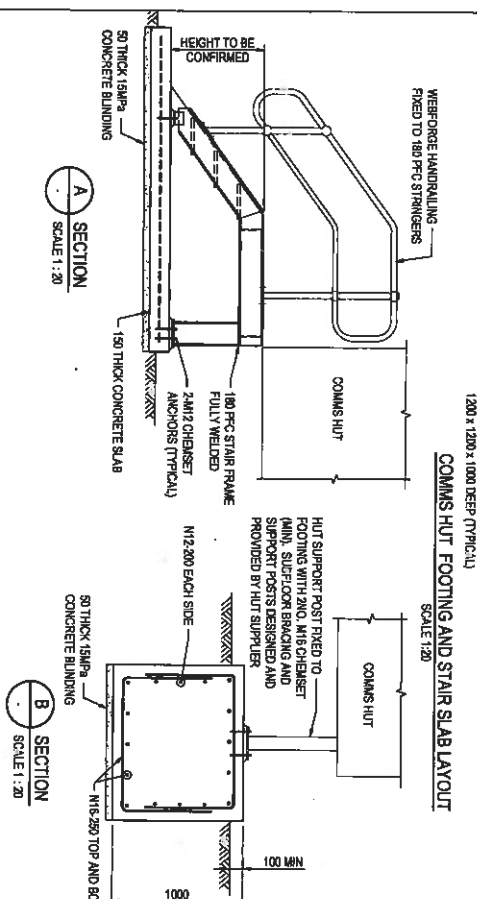
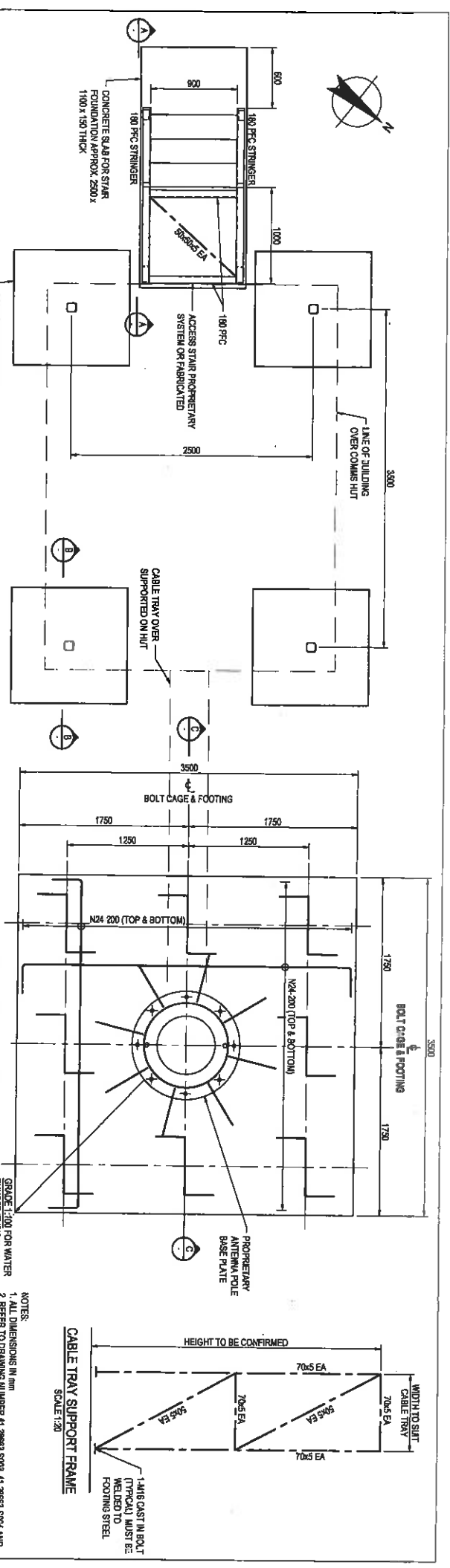
Client: CONOCOPHILLIPS AUSTRALIA  
Project: PLANE CARPARK REPURPOSING WORKS  
Title: LANDSCAPE PLAN  
Sheet: SHEET 2 OF 2

Drawing No: 41-28663-L002

CONOCOPHILLIPS AUSTRALIA  
PLANE CARPARK REPURPOSING WORKS  
LANDSCAPE PLAN  
SHEET 2 OF 2

Drawing No: 41-28663-L002

Rev: D



- NOTES:**
1. ALL DIMENSIONS IN mm
  2. REFER TO DRAWING NUMBER 41-28663-S003, 41-28663-S004 AND 41-28663-S005 FOR STRUCTURAL NOTES
- DESIGN CRITERIA:**
- D1. FOOTING IS DESIGNED TO MATCH 1500 HIGH STEEL MONOPOLE
  - D2. MAXIMUM ALLOWABLE BEARING CAPACITY OF 1000k HAS BEEN ADOPTED AT FOUNDATION DEPTH 1.10m IN VERY STIFF CONSOLIDATED FILL
  - D3. WIND REGION C
  - D4. TERRAIN CATEGORY = 1.5
  - D5. REGIONAL WIND SPEED  $V_{50} = 68 \text{ m/s}$
  - D6.  $M_s = 1$
  - D7. HEIGHT Z POLE = 12m CD = 1.4 (OCTAGONAL SHAPE)
  - D8. HEIGHT Z HUT = 4m
  - D9. WEIGHT OF HUT (EMPTY) = 20kN
- GENERAL:**
- G1. COAT ABOVE GROUND CONCRETE EMBEDDED STEELWORK WITH DULUX BUILD STEER OR SIMILAR 75mm ABOVE AND BELOW LEVEL OF CONCRETE
  - G2. ALLOW FOR A FALL 1:80 ALL ROUND FOR WATER RUNOFF
  - G3. 6mm FLEET WELDED TO BE USED IN WELDING REINFORCEMENT BARS TO BOLT CAGE FLANGE AND TO BOLT
  - G4. ANY DEVIATION FROM REPORTED SOIL CONDITIONS WILL NECESSITATE A REVISED FOUNDATION DESIGN
  - G5. TOP RANGE OF BOLT CAGE TO HAVE 100mm CLEAR COVER
  - G6. AFTER POLE INSTALLATION, POLE P/S SHALL BE GROUTED UNDERNEATH WITH MASTERSHIELD 880 OR SIMILAR
  - G7. NON-SHRINK GROUT MIN F<sub>c</sub> = 50 MPa
  - G8. ALL STEELWORK TO BE HOT DIP GALVANIZED UNLESS NOTED OTHERWISE

**APPROVED**

**FOR TENDER**

**CONCOPHILLIPS AUSTRALIA**  
**FINE CARPARK REPAIRING WORKS**  
**COMMS ANTENNA AND HUT FOOTING**  
**LAYOUT AND DETAILS**

Rev: B

41-28663-S001

Drawn: J. Toorh  
Checked: GSV  
Project: A1

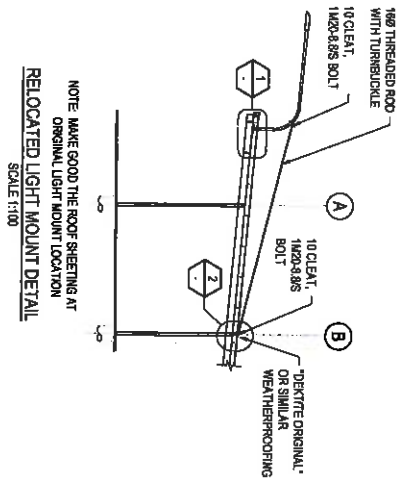
Scale: AS SHOWN

DO NOT SCALE

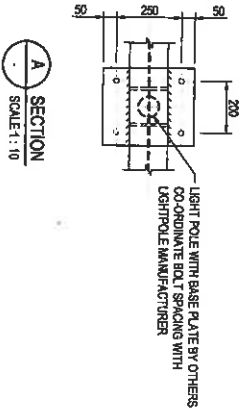
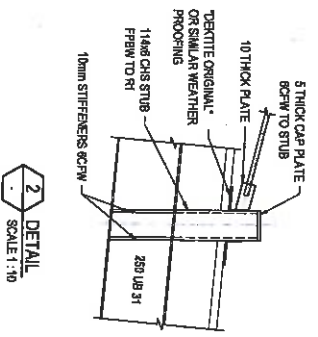
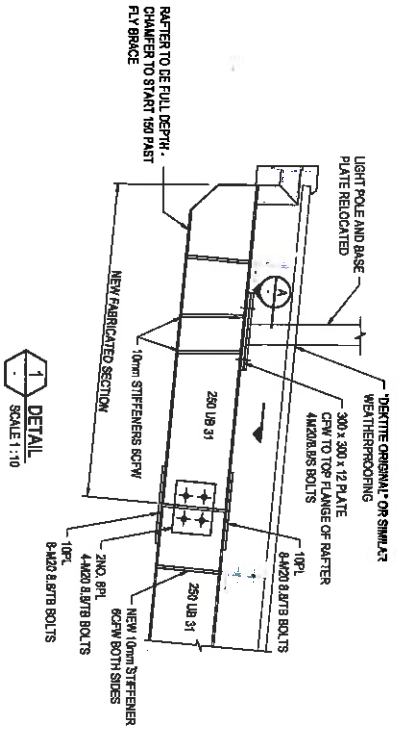
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Tel: 61 7 3231 8000 Fax: 61 7 3231 8100  
E: [enquiries@cpa.com.au](mailto:enquiries@cpa.com.au) W: [www.cpa.com.au](http://www.cpa.com.au)

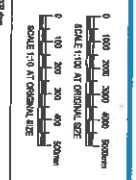
Project No: 41-28663-S001  
Client: CONCOPHILLIPS AUSTRALIA  
Project: FINE CARPARK REPAIRING WORKS  
Drawing No: 41-28663-S001



NOTE: MAKE GOOD THE ROOF SHEETING AT ORIGINAL LIGHT MOUNT LOCATION  
**RELOCATED LIGHT MOUNT DETAIL**  
 SCALE 1:100



NO.	REVISED FOR TENDER	DATE	BY	CHKD
1	AS	17/01/2024	AS	AS
2	AS	17/01/2024	AS	AS
3	AS	17/01/2024	AS	AS
4	AS	17/01/2024	AS	AS
5	AS	17/01/2024	AS	AS
6	AS	17/01/2024	AS	AS
7	AS	17/01/2024	AS	AS
8	AS	17/01/2024	AS	AS
9	AS	17/01/2024	AS	AS
10	AS	17/01/2024	AS	AS
11	AS	17/01/2024	AS	AS
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13	AS	17/01/2024	AS	AS
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30	AS	17/01/2024	AS	AS



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Drawn	1:100TH	Checked	AS B/CH/M
Designed	A/VA/TB/BE/AD	Checked	
Scale	AS B/CH/M	Checked	

Client: **CONOCOPHILLIPS AUSTRALIA**  
 Project: **FLINE CARPARK REPURPOSING WORKS**  
 Title: **RELOCATED LIGHT MOUNTING DETAILS**  
 Drawing No: **41-28663-S002**  
 Rev: **B**

**APPROVED**

**FOR TENDER**

GENERAL

- 01. REPORT ON THE SAFETY OF THE WORKING CONDITIONS OF THE CONTRACTOR...
02. REPORT ON THE SAFETY OF THE WORKING CONDITIONS OF THE CONTRACTOR...
03. REPORT ON THE SAFETY OF THE WORKING CONDITIONS OF THE CONTRACTOR...

SAFETY IN DESIGN

- 0107. THE DESIGNER SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORKING CONDITIONS...
0108. THE DESIGNER SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORKING CONDITIONS...

EARTHWORKS, FOUNDATION AND FOOTING

- 01 FOUNDATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS...
02 FOUNDATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS...

CONCRETE

Table with 3 columns: MINIMUM ELEMENT, CHARACTERISTICS, and COMMENTS. Rows include concrete strength (fcd), concrete strength (fctd), and concrete strength (fctd).

- 012 FOUNDATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS...
013 FOUNDATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS...

Table with 2 columns: REVISION, DATE. Rows for REVISION 1 and 2.

Table with 3 columns: NO., QUANTITY, UNIT. Rows for REBAR and SAND.

Project information fields: Project Name, Client, Drawing No., Scale, Date, etc.

FOR TENDER

CONOCOPHILLIPS AUSTRALIA

STRUCTURAL NOTES

SHEET 1 OF 3

41-28663-S003

Rev. B



DO NOT WEATHER, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.

CONCRETE ELEMENT	TEMPERATURE LIMIT
UNREINFORCED CONCRETE IN REVISION 1 - 1 METRE EACH DIMENSION	27°C
CONCRETE IN 40 mm SECTION - 300 mm THICKNESS	27°C
CONCRETE IN 100mm BEAM, COLUMN, WALL AND SLAB (100mm EACH DIMENSION)	27°C

- C67. DO NOT WEATHER, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- C68. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- C69. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- C70. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.

- C71. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- C72. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- C73. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.

DO NOT WEATHER, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.

- C74. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- C75. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- C76. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.

- C77. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- C78. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- C79. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.

- C80. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- C81. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- C82. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.

DO NOT WEATHER, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.

COVER	10	15	20	25	30	35	40	45	50
100	250	300	350	400	450	500	550	600	650
150	300	350	400	450	500	550	600	650	700
200	350	400	450	500	550	600	650	700	750
250	400	450	500	550	600	650	700	750	800

- R1. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- R2. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- R3. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.

- R4. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- R5. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- R6. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.

- R7. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- R8. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.
- R9. MINIMUM TEMPERATURE LIMIT FOR CONCRETE PLACEMENT IN ALL PROPOSED CONCRETE ELEMENTS. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE. PROTECT FROM FREEZING, FRESH, UNCURED CONCRETE.

APPROVED

FOR TENDER

DO NOT SCALE



CONOCOPHILLIPS AUSTRALIA  
FINE CARPARK REFOROSING WORKS  
SHEET 2 OF 3

Checked by:	Daniel J. TOOTH
Drawn by:	AS BROWN

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CONOCOPHILLIPS AUSTRALIA  
FINE CARPARK REFOROSING WORKS  
SHEET 2 OF 3

Drawing No. 41-28663-S004

Fig: B

STEELWORK

- 81. WORKMANSHIP AND MATERIALS TO COMPLY WITH AS/NZS 4600, AS/NZS 1545 AND AS/NZS 1594 FOR WELDED STEEL.
- 82. PREPARED DRAWINGS AND INFORMATION TO BE PROVIDED TO THE CONTRACTOR SHALL INCLUDE:
  - 82.1. ALL WORK TO BE DONE BY THE CONTRACTOR SHALL BE SHOWN ON THE DRAWINGS.
  - 82.2. ALL WORK TO BE DONE BY THE CONTRACTOR SHALL BE SHOWN ON THE DRAWINGS.
  - 82.3. ALL WORK TO BE DONE BY THE CONTRACTOR SHALL BE SHOWN ON THE DRAWINGS.
- 83. ALL STEELWORK SHALL BE MANUFACTURED AND DELIVERED TO THE SITE IN ACCORDANCE WITH THE REQUIREMENTS OF AS/NZS 4600, AS/NZS 1545 AND AS/NZS 1594. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
- 84. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
- 85. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
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- 100. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

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- 119. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
- 120. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

APPROVED

FOR TENDER

DO NOT SCALE

Scale: AS GIVEN

Checklist of Items:

The document may only be used by the contractor for the purpose of preparing a tender.

It is not to be used for any other purpose.

Client: CONCO PHILLIPS AUSTRALIA

Project: FLNE CARPARK REPURPOSING WORKS

Sheet: SHEET 3 OF 3

Drawing No: 41-28663-S005

Rev: B

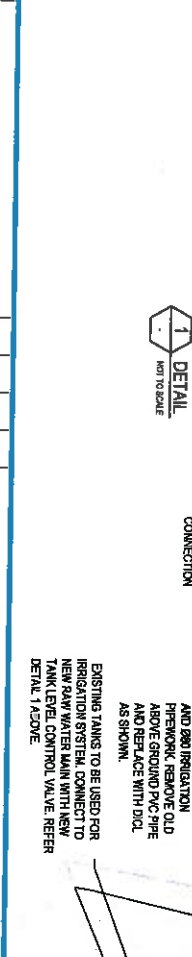
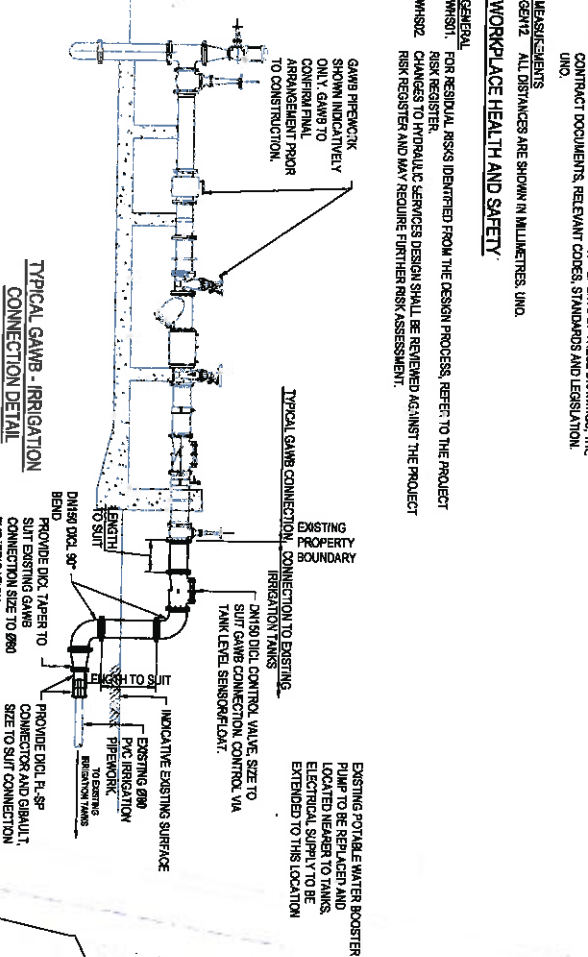
1414 New St Brisbane QLD 4000 Australia

171 7 2344 South F 61 7 2344 2023

Engineering@conco.com.au

**GENERAL NOTES**

- DRAWINGS
- GEN1. THE DRAWINGS ARE A GUIDE ONLY FOR THE LOCATION AND LAYOUT OF THE SERVICE PIPES.
- GEN2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS, SPECIFICATIONS AND DRAWINGS.
- LEGENDS
- GEN3. VERIFY THAT ALL UNTESTED LIGES, SURFACE LIGES AND CLEARANCES ARE CORRECT AND OBTAINABLE FROM THE LOCAL AUTHORITY.
- GEN4. ALL LIGES ARE SHOWN IN METRES AND UNO.
- REGULATIONS
- GEN5. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING ACT, THE PLUMBING AND DRAINAGE ACT AND TO THE APPROVAL OF THE LOCAL AUTHORITY.
- GEN6. ALL PLUMBING AND DRAINAGE MATERIALS SHALL BE CERTIFIED ITEMS IN ACCORDANCE WITH THE STANDARD PLUMBING AND DRAINAGE REGULATION, PART 4.
- GEN7. WORKS SHALL BE CONSTRUCTED BY SUITABLY QUALIFIED AND LICENSED TRADES PEOPLE.
- GEN8. WHERE LEGISLATION, STANDARDS AND CODES ARE REFERENCED ON THESE DRAWINGS, THEY SHALL BE THE REVISION IN FORCE AS OF THIS DRAWING DATE.
- GEN9. FOR BUILDING LEGISLATION, STANDARDS AND CODES UNO.
- GEN10. FOR PLUMBING AND DRAINAGE LEGISLATION, STANDARDS AND CODES UNO.
- GEN11. FOR ANY OTHER LEGISLATION, STANDARDS AND CODES NOT COVERED IN THE ABOVE.
- TESTING AND INSPECTION
- GEN12. PAY ALL COSTS FOR THE TESTING OF THE INSTALLATION AND COSTS FOR INSPECTION BY LOCAL AUTHORITY, UNO.
- GEN13. UNDERTAKE ALL OF THE TESTING REQUIREMENTS OF THESE DRAWINGS, THE CONTRACT DOCUMENTS, RELEVANT CODES, STANDARDS AND LEGISLATION, UNO.
- MEASUREMENTS
- GEN14. ALL DISTANCES ARE SHOWN IN MILLIMETRES, UNO.
- WORKPLACE HEALTH AND SAFETY
- GEN15. FOR RESIDUAL RISKS IDENTIFIED FROM THE DESIGN PROCESS, REFER TO THE PROJECT RISK REGISTER.
- GEN16. CHANGES TO HYDRAULIC SERVICES DESIGN SHALL BE REQUESTED AGAINST THE PROJECT RISK REGISTER AND MAY REQUIRE FURTHER RISK ASSESSMENT.
- GEN17. ALL LEVELS ARE SHOWN IN METRES, UNO.
- GEN18. MEASUREMENTS OF QUANTITIES ARE IN ACCORDANCE WITH AS 101.100.
- EXISTING SERVICES
- GEN19. ALL EXISTING SERVICES MADE REDUNDANT FROM THESE WORKS AND EXISTING REDUNDANT SERVICES SHALL BE REMOVED OR SEALED OFF IN ACCORDANCE WITH THESE DRAWINGS, THE CONTRACT DOCUMENTS AND TO THE SATISFACTION OF THE LOCAL AUTHORITY.
- GEN20. THE CONTRACTOR TO PROTECT ALL EXISTING SERVICES AND STRUCTURES CLOSE TO NEW PIPELINE AND SUPPORT AS REQUIRED.
- GEN21. SOME INFORMATION ON LOCATION OF SERVICES HAS BEEN OBTAINED FROM TOWN BEFORE YOU DIG.
- GEN22. THE CONTRACTOR SHALL LOCATE ALL SERVICES ON SITE PRIOR TO COMMENCEMENT OF ANY WORKS, ALL EXISTING SERVICES AND UTILITIES SHALL BE PROTECTED FROM DAMAGE BY THE OPERATIONS OF THE CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF SERVICES DAMAGED DURING CONSTRUCTION.
- PIPE DIAMETERS
- GEN23. ALL PIPE DIAMETERS DETAILED ON THESE DRAWINGS ARE SHOWN AS NOMINAL DIAMETERS.
- NEW WORKS
- GEN24. DRAWINGS ARE INDICATIVE ONLY, CONTRACTOR TO COORDINATE WITH ALL SERVICES AND STRUCTURES LARGELY PURCHASING MATERIALS.
- GEN25. NOMINATION OF PROPRIETARY ITEMS DOES NOT INDICATE EXCLUSIVE PREFERENCE BUT INDICATES REQUIRED PROPERTIES OF ITEM, SIMILAR ALTERNATIVES HAVING REQUIRED PROPERTIES MAY BE OFFERED FOR APPROVAL, INSTALL PROPRIETARY ITEMS IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS AND RECOMMENDATIONS.
- GEN26. COORDINATE ALL PIPEWORK ON SITE.



Item	Description	Quantity	Unit	Material / Specification
D	IRRESISTED FOR TENDER	NS	NO	SSP 250x17
C	IRRESISTED FOR TENDER	NS	NO	SSP 4x11.8
B	IRRESISTED FOR TENDER	CC	NO	SSP 2x11.8
A	IRRESISTED FOR TENDER	CC	NO	SSP 2x11.8

Field	Value
Client	CONOCOPHILLIPS AUSTRALIA
Project	FLINE CARPARK REPAIRING WORKS
Title	RAW WATER SUPPLY LAYOUT PLAN AND DETAILS
Scale	1:100
Date	
Drawn	G. GARNETT
Checked	
Designed	S. SOER
Checked	

**FOR TENDER**

**APPROVED**

EXISTING GAMWB RAW WATER END POINT, MAIN TO BE EXTENDED BY THE GAMWB TO THE PROPERTY BOUNDARY, ADJACENT EXISTING WATER TANKS.

NOTE:  
FOR CONNECTION OF GAMWB RAW WATER MAIN AND EXISTING MAIN WATER TANKS, REFER DETAIL 1.

DO NOT SCALE

151 Ave St, Adelaide SA 5002 Australia  
GPO Box 11, Adelaide SA 5001 Australia  
E: [conocophillips@conocophillips.com](mailto:conocophillips@conocophillips.com)  
P: [+61883333333](tel:+61883333333)

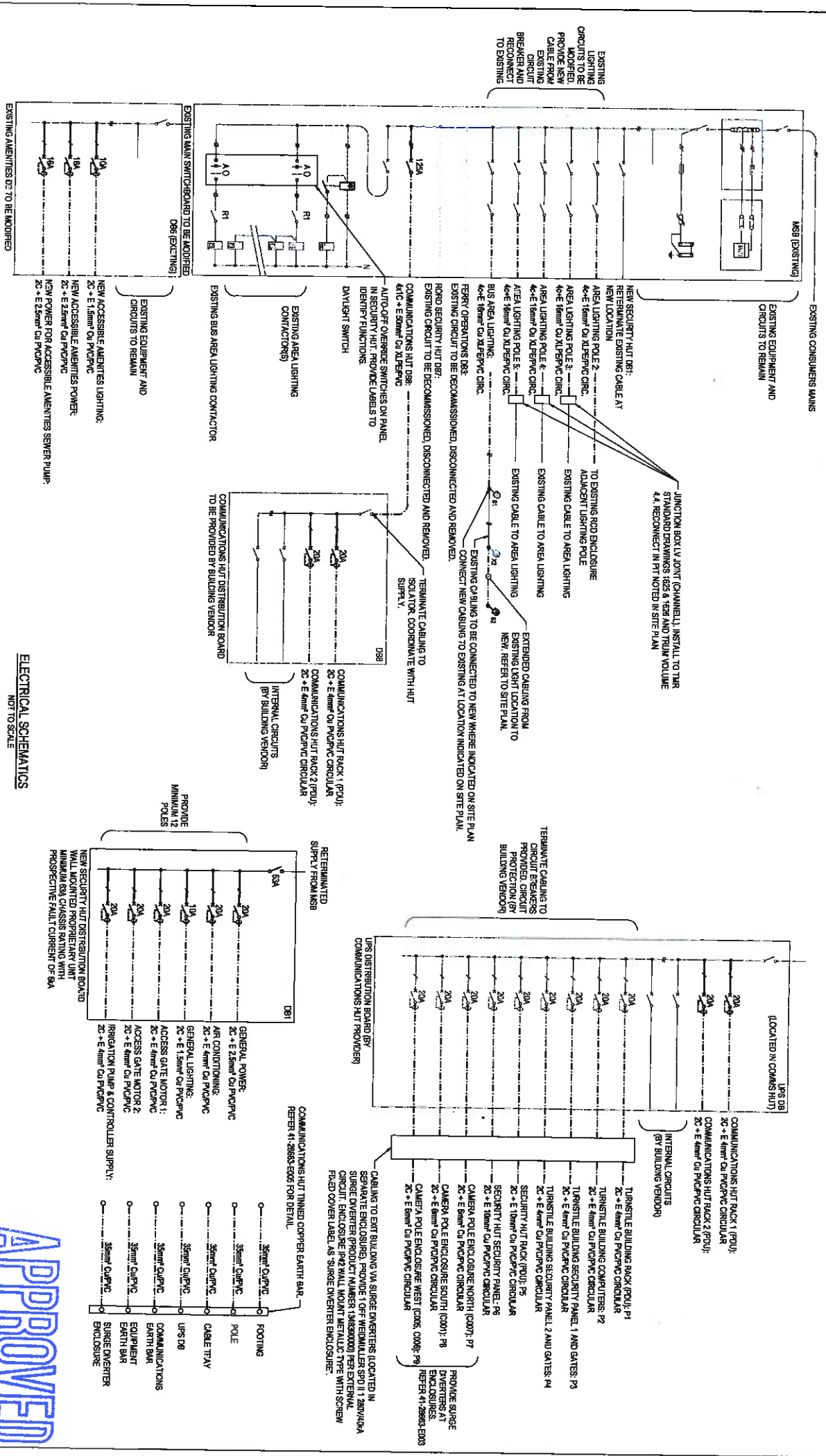
Drawing No: **41-28663-W001**

Rev: **D**

THIS DRAWING INCLUDES COLOURED INFORMATION. IF YOU HAVE A BLACK AND WHITE COPY YOU DO NOT HAVE ALL THE INFORMATION. THIS NOTE IS COLOURED RED.







**ELECTRICAL SCHEMATICS**  
NOT TO SCALE

APPROVED

FOR TENDER

E	RESERVED FOR TENDER	NS	RSV	ESP	25.01.17
D	RESERVED FOR TENDER	NSK	RSV	ESP	25.11.16
C	RESERVED FOR TENDER	ELE	RSV	ESP	27.11.16
B	RESERVED FOR TENDER	ELE	RSV	ESP	20.11.16
A	PRELIMINARY ISSUE	ELE	RSV	ESP	23.10.16

NS	NS	RSV	ESP	25.01.17
NSK	NSK	RSV	ESP	25.11.16
ELE	ELE	RSV	ESP	27.11.16
RSV	RSV	ESP	20.11.16	
ESP	ESP	23.10.16		

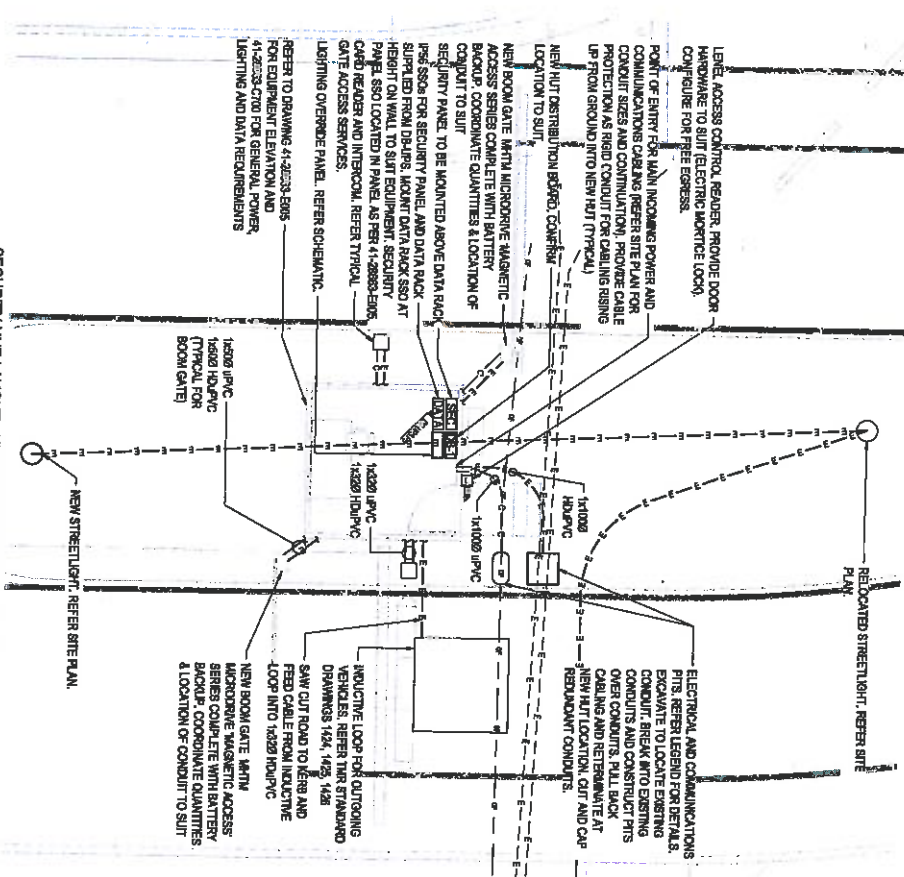
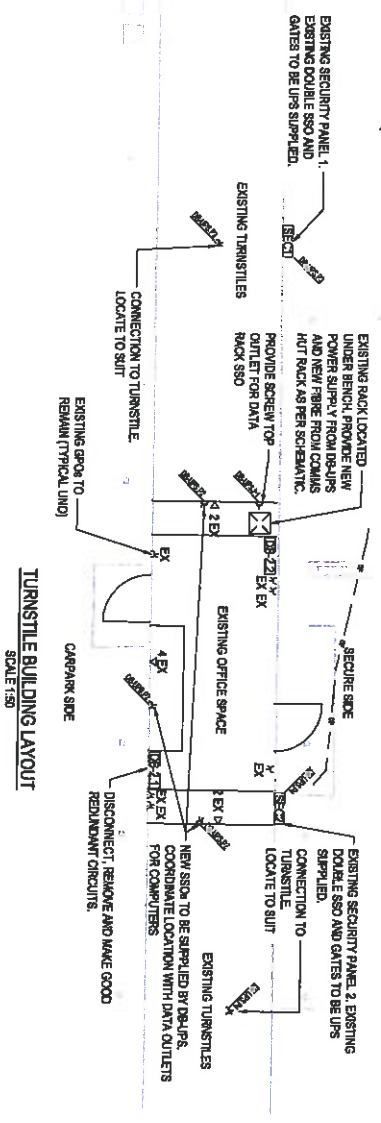
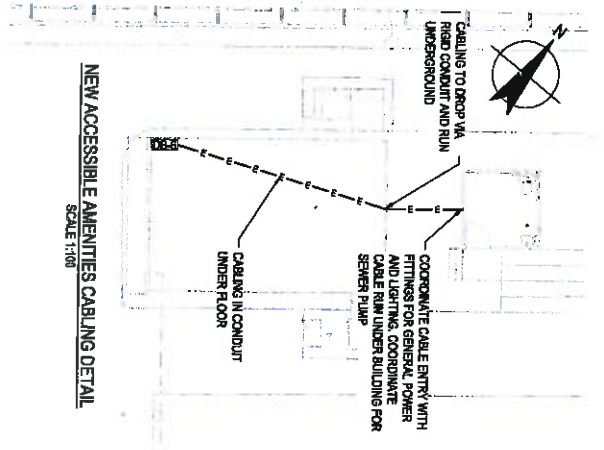
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<b>DO NOT SCALE</b>	
Drawn	E. ERKSEN
Checked	K. KOVATZ
Approved	(Signature)
Scale	N/T TO SCALE

Client: **CONOCOPHILLIPS AUSTRALIA**  
Project: **FLINE CARPARK REPAIR/WORKING WORKS ELECTRICAL SERVICES**  
SHEETS - SHEET 1 OF 2  
Drawing No: **41-28663-E002**  
Rev: **E**



**NOTES:**  
 1. REFER TO DRAWING 41-28663-E005 FOR  
 GENERAL NOTES AND DETAILS



APPROVED

FOR TENDER

No	Revised	Issue	By	Date
A	PRELIMINARY ISSUE	K.K. RAO	8.5.17	14/10/16
B	ISSUED FOR TENDER	E.E. RAO	8.5.17	22/11/16
C	RE-ISSUED FOR TENDER	E.E. RAO	8.5.17	22/11/16
D	RE-ISSUED FOR TENDER	K.K. RAO	8.5.17	22/11/16
E	RE-ISSUED FOR TENDER	K.K. RAO	8.5.17	22/11/16

0 0.5 1.0 1.5 2.0 2.5  
 SCALE 1:50 AT ORIGINAL SIZE

45, Ave. St. Lawrence QLD 4004 Australia  
 Tel: 7 200 2000 Fax: 7 200 2001  
 E: service@cp.com.au W: www.cp.com.au

Drawn: K. RAJAGURU  
 Checked: K. RAJAGURU  
 Date: 14/10/16

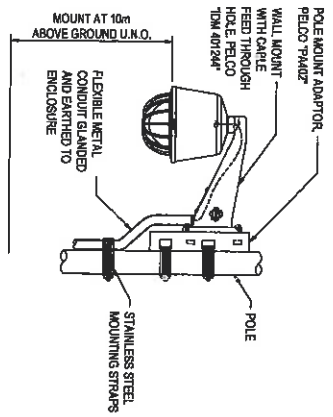
Client: CONOCOPHILLIPS AUSTRALIA  
 Project: FLUOR CARPARK REPURPOSING WORKS  
 Title: ELECTRICAL SERVICES BUILDING DETAILS

Scale: AS BUDWIN  
 Drawing No: 41-28663-E004  
 Rev: E

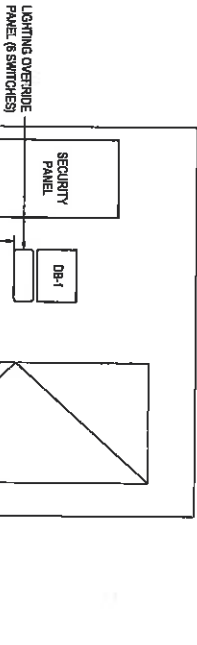
DO NOT SCALE	Drawn	Checked	Client
<p>Conocophillips Australia            This document may only be used for the project for which it was prepared and is not to be used for any other purpose without the written approval of Conocophillips Australia.</p>	K. RAJAGURU	K. RAJAGURU	CONOCOPHILLIPS AUSTRALIA

**GENERAL NOTES:**

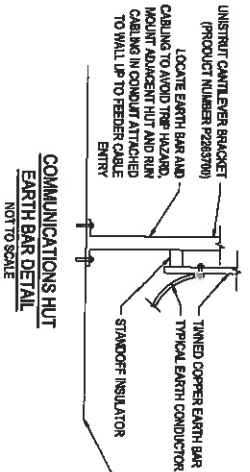
- DO NOT SCALE DRAWINGS. DIMENSIONS SHOWN ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL WORKING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS/NZS3000, LOCAL AUTHORITY AND SUPPLY AUTHORITY REQUIREMENTS.
- TELEPHONE AND DATA CABLE INSTALLATION AND TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS/NZS3000, AS/NZS3008, AS/NZS3099 AND CONOCOPHILLIPS NETWORK SERVICES STANDARDS - STRUCTURED CABLING REQUIREMENTS.
- THE CONTRACTOR SHALL VERIFY, IN RELATION TO THE WORKS, THE LOCATIONS OF ALL UNDERGROUND AND ABOVE GROUND SERVICES ON SITE. IN THE EVENT OF UNDISCOVERED CONFLICTS ON SITE, DESIGN ADVICE SHALL BE SOUGHT BEFORE ANY CHANGES TO THE DOCUMENTED ARRANGEMENTS ARE UNDERTAKEN.
- ALL EQUIPMENT SHOWN (SHALL BE NEW UNLESS NOTED OTHERWISE).
- ALL CONDUITS AND COVERS, WHERE EXPOSED TO VIEW OR WEATHER SHALL BE PAINTED TO MATCH /BLANCHE SURFACES.
- FAULT AND DISCRIMINATION LEVELS SHOWN ARE BASED ON TESSA/TAN THERMOPAK 2 XS AND PAINT CIRCUIT BREAKERS. SUBMIT CALCULATIONS AND DETAILS OF ALTERNATE SELECTIONS FOR APPROVAL.
- CONDUIT & CABLE SIZES SHOWN ARE MINIMUM SIZES. FINAL SIZES SHALL BE DETERMINED TO SUIT WIRING METHODS AND DEPARTING FACTORS.
- THIS LAYOUT HAS BEEN DESIGNED TO COMPLY WITH THE REQUIREMENTS FOR LIGHTING CATEGORIES AS FOLLOWS:
  - STRATEGIC AREA R3 TO AS/NZS1583.1.
  - CARPARKS: P10 AND P12 TO AS/NZS1583.1.
- ALL LUMINAIRES SHALL BE AIMED INITIALLY AS DOCUMENTED, ALLOW TO RE-AIM ALL LUMINAIRES TO THE SATISFACTION OF THE COMPANY REPRESENTATIVE. REMAINING WORK SHALL BE UNDERTAKEN OUTSIDE NORMAL HOURS (i.e. AFTER DARK).
- FINAL LOCATION OF ELECTRICAL AND COMMUNICATIONS CABLE PITS AND DISTRIBUTION BOXES SHALL BE COORDINATED WITH LANDSCAPE AND PAVEMENT LAYOUTS. FITS SHALL BE LOCATED ENTIRELY WITHIN PAVED AREAS OR GARDEN BEDS AND SHALL NOT INTERRUPT PAVEMENT AND/OR GARDEN EDGES.
- PROVIDE IP68 POLE MOUNTED ENCLOSURE FOR PROVISION OF POWER & COMMS TO POLE MOUNTED CAMERA. TURN UP POWER & COMMS CONDUIT INTO NEW ENCLOSURE. CABLING TO POLE MOUNTED CAMERA TO RISE UP IN CONDUIT FROM ENCLOSURE. REFER GENERAL ARRANGEMENT ON DRAWING 41-28663-E005. ELECTRONIC SECURITY SYSTEM DETAILED DESIGN, INSTALLATION AND COMMISSIONING TO BE UNDERTAKEN BY NOMINATED SUBCONTRACTOR (REFER GENERAL ARRANGEMENT ON DRAWING 41-28663-E005).
- POLE FOOTINGS AND INSTALLATION SHALL BE DESIGNED TO AS1170.2 (TERRAIN CATEGORY 2, REGION C & ULTIMATE DESIGN WIND SPEED OF 50m/s).
- ALL EXISTING UNDERGROUND COMMUNICATIONS CABLE TO BE REMOVED.
- ALL PATCHING AND REPAIRS OF COMMUNICATIONS EQUIPMENT TO BE BY CONTRACTOR IN COORDINATION WITH COP IT AND COP TELECOM DEPARTMENTS FOR ALL RELATED WORKS.



**CAMERA POLE MOUNTED DETAIL**  
NOT TO SCALE

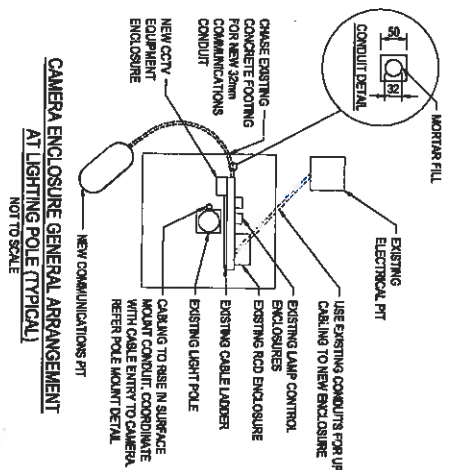


**SECURITY HUT ELEVATION DETAIL**  
NOT TO SCALE

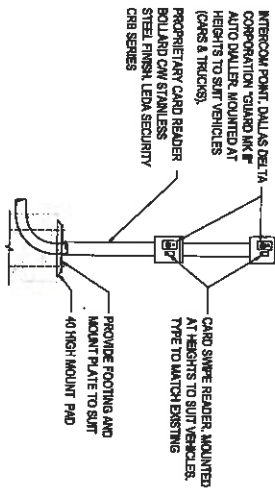


**CAMERA COVERED WALKWAY AND MAIN BUILDING MOUNTING DETAIL**  
NOT TO SCALE

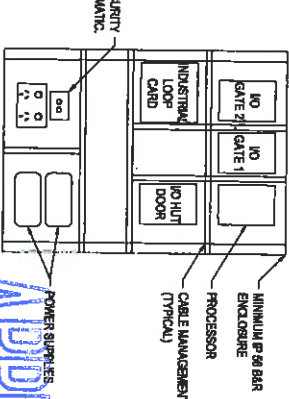
**COMMUNICATIONS HUT EARTH BAR DETAIL**  
NOT TO SCALE



**CAMERA ENCLOSURE GENERAL ARRANGEMENT AT LIGHTING POLE (TYPICAL)**  
NOT TO SCALE



**TYPICAL ACCESS GATE SERVICES**  
NOT TO SCALE



**INDICATIVE SECURITY PANEL LAYOUT SECURITY HUT**  
NOT TO SCALE

**APPROVED**

**FOR TENDER**

0	RE-ISSUED FOR TENDER	HQ	REV	SYD	26.04.17
1	RE-ISSUED FOR TENDER	RMK	REV	SYD	25.11.16
2	RE-ISSUED FOR TENDER	E.E.	REV	SYD	12.11.16
3	RE-ISSUED FOR TENDER	E.E.	REV	SYD	02.11.16

Author	Designer	Checker	Approved	Scale
Rev: 0	Rev: 0	Rev: 0	Rev: 0	Rev: 0

**DO NOT SCALE**

Client: **CONOCOPHILLIPS AUSTRALIA**  
Project: **FLINE CARPARK REPROPOSING WORKS**  
Title: **ELECTRICAL SERVICES GENERAL NOTES & DETAILS**

Scale: NOT TO SCALE

Rev: **D**

**LEGEND - PROPOSED FEATURES**

- BARRIER KERN AND CHANNEL
- BARRIER KERN
- CONCRETE INVERT
- WHEEL STOP
- SHRUB PLANTING
- GRASS
- PROPOSED TREE
- EXISTING GRASS TO BE REINSTATED AFTER COMPLETION OF CIVIL WORKS

**LEGEND - GRASSSED AREAS**

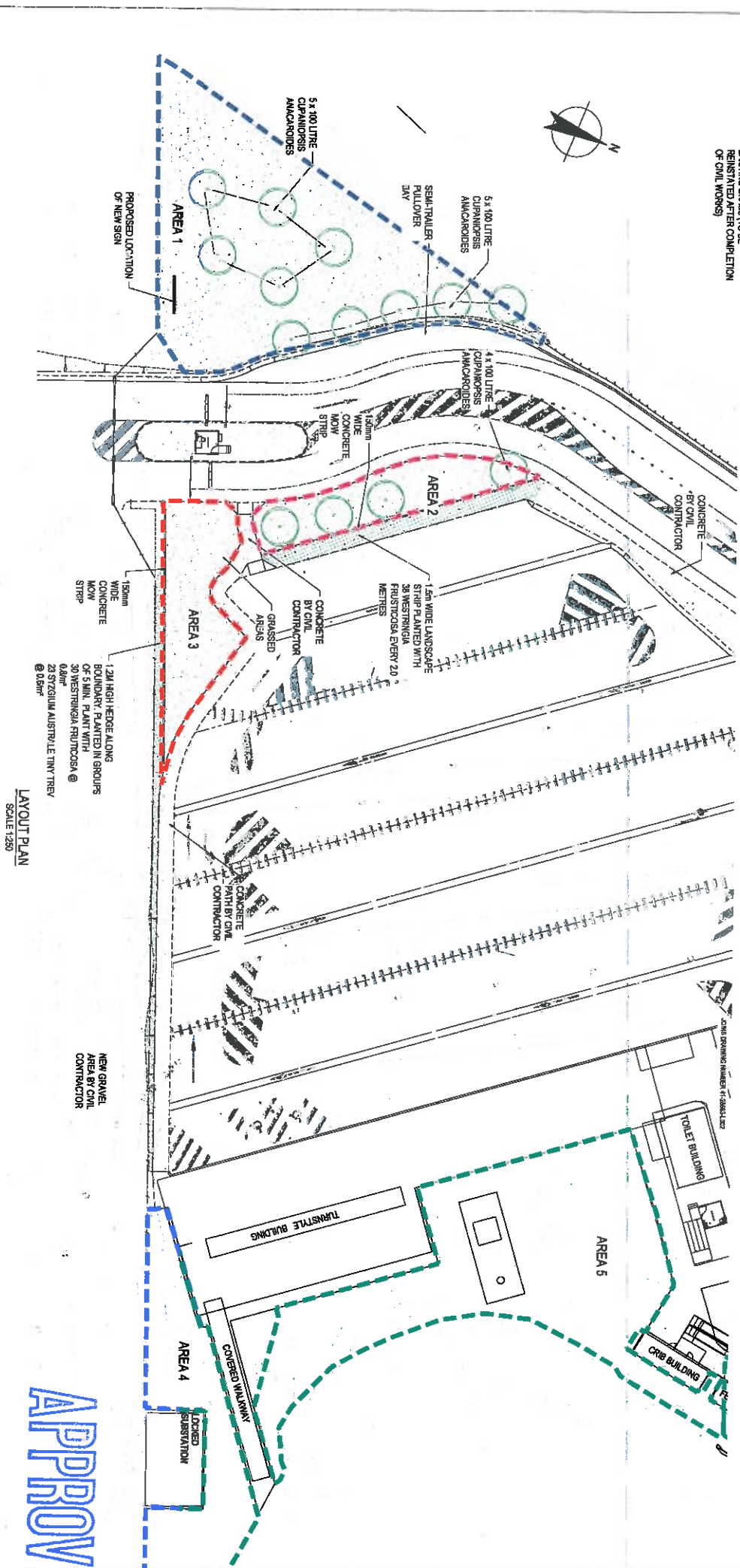
- GRASS AREA 1
- GRASS AREA 2
- GRASS AREA 3
- GRASS AREA 4
- GRASS AREA 5
- GRASS AREA 6
- GRASS AREA 7
- GRASS AREA 8

AREAS FOR IRRIGATION ZONES			
AREA NO.	EXISTING GRASS AREA (m <sup>2</sup> )	PROPOSED GRASSSED AREA (m <sup>2</sup> )	TOTAL AREA (m <sup>2</sup> )
1	154	154	308
2	200	200	400
3	445	445	890
4	481	481	962
5	481	221	702
6	481	481	962
7		481	481

**NOTES:**

- THE CONTRACTOR SHALL CHECK, CONFIRM AND SATISFY THEMSELVES THAT ALL DIMENSIONS, LEVELS AND SERVICE LOCATIONS ARE CORRECT PRIOR TO CONSTRUCTION WORKS COMMENCING ON SITE.
- REFER TO DRAWING NUMBER 41-28663-C100 AND 41-28663-C101 FOR LOCATION OF EXISTING UNDERGROUND SERVICES.

THIS DRAWING INCLUDES COLOURED INFORMATION. IF YOU HAVE A BLACK AND WHITE COPY YOU DO NOT HAVE ALL THE INFORMATION. THIS NOTE IS COLOURED RED.



LAYOUT PLAN  
SCALE 1:250

APPROVED

FOR TENDER

<b>D</b> REVISION FOR TENDER	KS	RO	SRV	25/01/17
<b>C</b> REVISION FOR TENDER	RN	RO	SRV	11/11/16
<b>B</b> ISSUED FOR TENDER	RN	RO	SRV	26/03/16
<b>A</b> PRELIMINARY ISSUE	RN	RO	SRV	14/03/16

	14-15 Ave St Brisbane QLD 4000 Australia 07 3207 0000 28 Stirling Rd Brisbane QLD 4000 Australia 07 3207 0000
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<b>DO NOT SCALE</b>	Drawn: <b>EMERSON</b> Checked: <b>AS SHOWN</b>	Designer: <b>EMERSON</b> Checked: <b>AS SHOWN</b>	Date: <b>AT</b> Project: <b>CONOCOPHILLIPS AUSTRALIA FINE CARPARK REPOSITIONING WORKS LANDSCAPE PLAN SHEET 1 OF 2</b> Drawing No: <b>41-28663-L001</b>
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**LEGEND**

- B/C BARRIER KEY AND CHANNEL
- B/C BARRIER KEY
- CONCRETE INVERT
- WHEEL STOP
- SHRUB PLANTING
- GRASS
- PROPOSED TREE
- EXISTING GRASS TO BE REINSTATED AFTER COMPLETION OF CIVIL WORKS

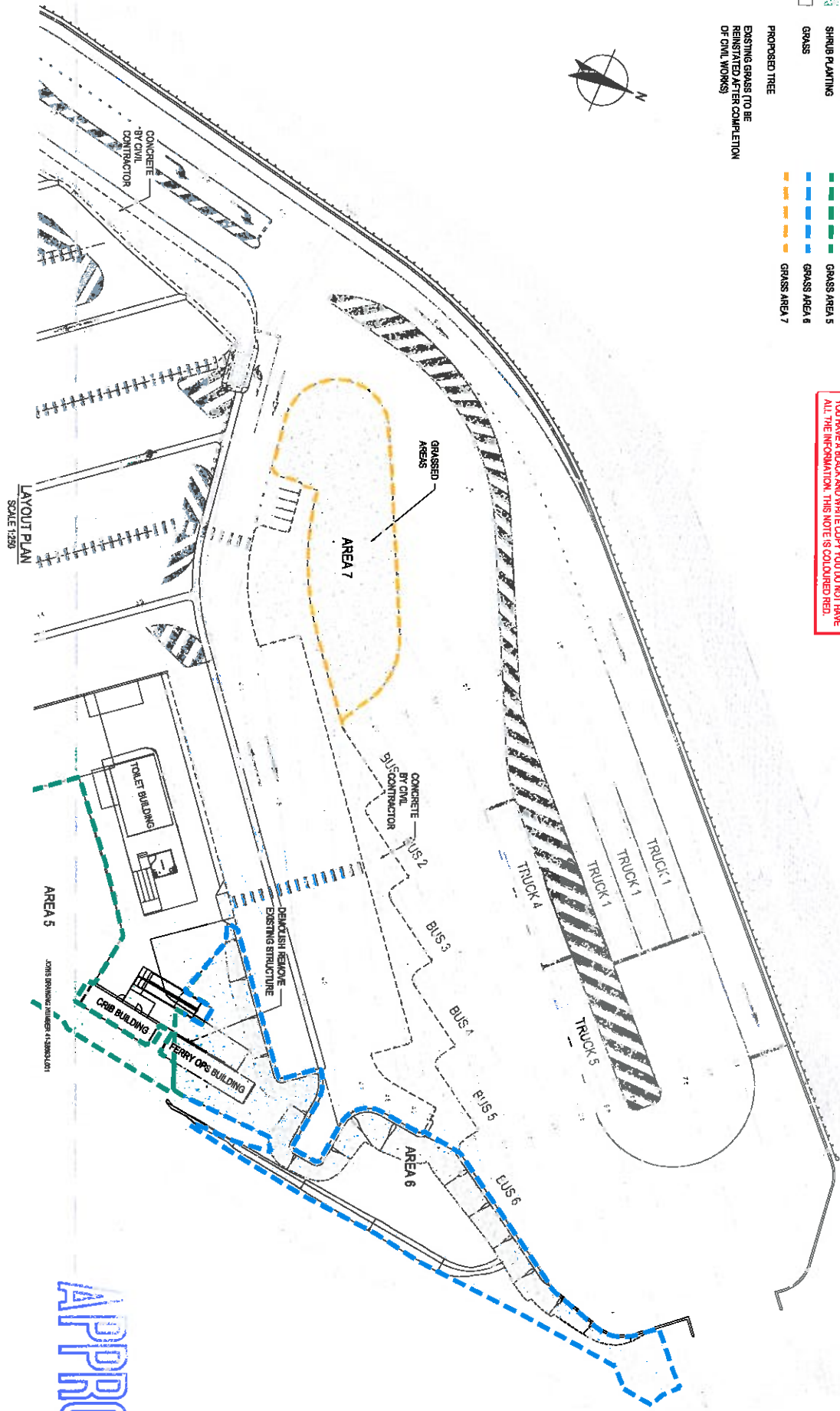
**LEGEND - GRASSED AREAS**

- GRASS AREA 1
- GRASS AREA 2
- GRASS AREA 3
- GRASS AREA 4
- GRASS AREA 5
- GRASS AREA 6
- GRASS AREA 7

**NOTE:**

REFER DRAWING 41-28663-L001 FOR IRRIGATION ZONE AREAS QUANTITIES

THIS DRAWING INCLUDES COLOURED INFORMATION. IF YOU HAVE A BLACK AND WHITE COPY YOU DO NOT HAVE ALL THE INFORMATION. THIS NOTE IS COLOURED RED.



APPROVED

**FOR TENDER**

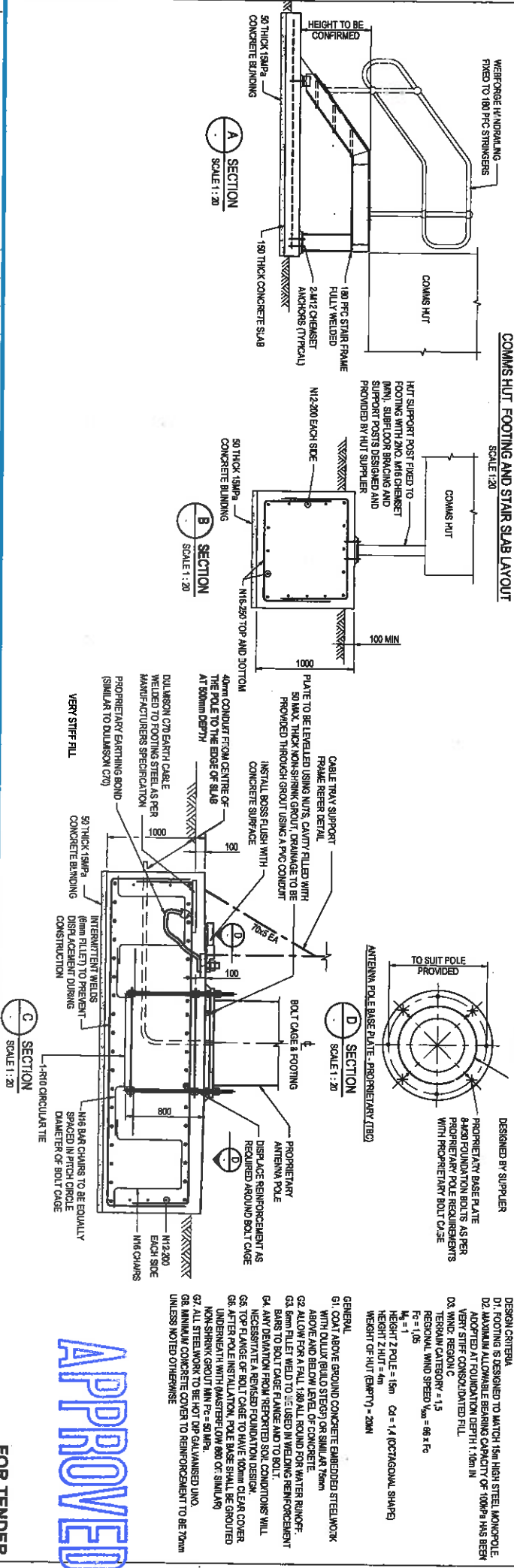
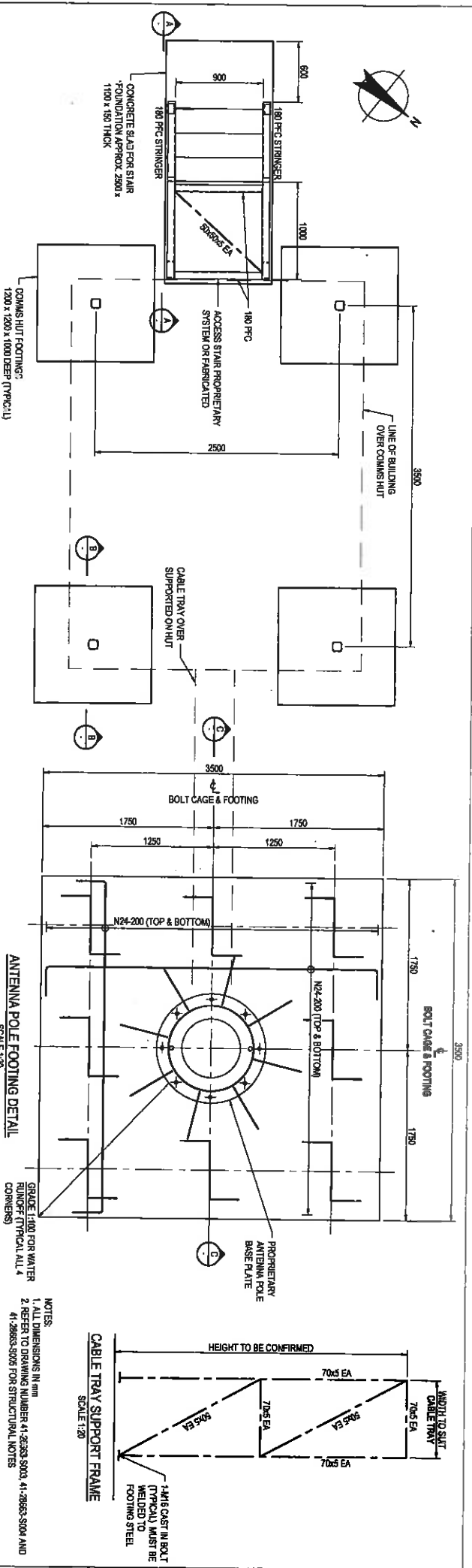
<b>D</b> RE-ISSUED FOR TENDER	KS	RO	SRV	24/01/17
<b>C</b> RE-ISSUED FOR TENDER	RN	RO	SRV	17/11/16
<b>B</b> ISSUED FOR TENDER	RN	RO	SRV	26/10/16
<b>A</b> PRELIMINARY ISSUE	RN	RO	SRV	14/10/16

Drawn	Checked	Scale	AS SHOWN
DO NOT SCALE	Approved (Project Director)	Checked	Approved (Project Director)

Client	CONCOCPHILLIPS AUSTRALIA WORKS
Project	FLINE CARPARK REPURPOSING WORKS
Sheet	LANDSCAPE PLAN SHEET 2 OF 2
Drawing No.	41-28663-L002
Rev.	D



APPROVED

FOR TENDER

<b>8</b> RE-STEEL FOR TENDER							
<b>A</b> ISSUED FOR TENDER							
<b>1st</b> Revision	Issue	1/20/2017	1/20/2017	1/20/2017	1/20/2017	1/20/2017	1/20/2017
	Drawn	AS	RO	SIR	25/01/17	AS	RO
	Checked	UT	RO	SIR	26/01/17	AS	RO
	Design						
	Client						

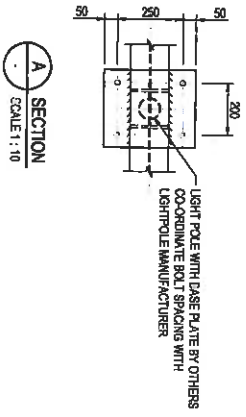
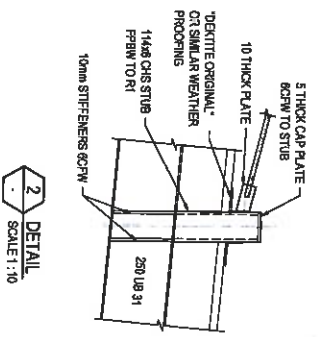
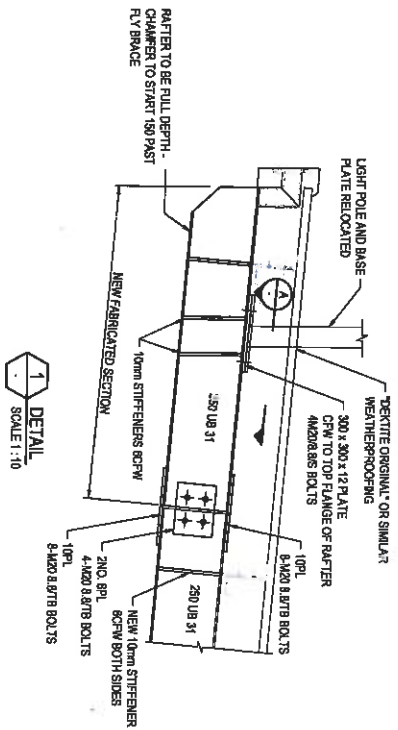
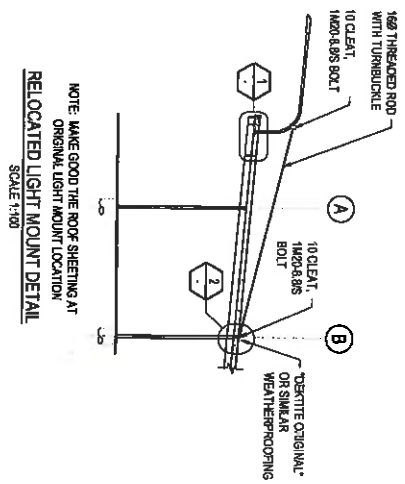
  

<b>DO NOT SCALE</b>	Drawn: J. TORRH	Designed: CSB	Checked: SGT	Project: CONOCOPHILLIPS AUSTRALIA FINE CARPARK REPOSING WORKS COMMS ANTENNA AND HUT FOOTING LAYOUT AND DETAILS	Scale: AS SHOWN	Drawing No: 41-28663-S001
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CONOCOPHILLIPS AUSTRALIA FINE CARPARK REPOSING WORKS COMMS ANTENNA AND HUT FOOTING LAYOUT AND DETAILS

41-28663-S001





No.	Description	Make	Quantity	Unit	Value
A	1629 THREADED ROD WITH TURNBUCKLE				
B	10 CLEAT 1420 X 885 BOLT				
C	10 CLEAT 1420 X 885 OR SIMILAR WEATHERPROOFING				
D	300 X 300 X 12 PLATE CFW TO TOP FLANGE OF RAFTER				
E	10MM STIFFENERS 6CPW				
F	8 1420 X 885 BOLTS				
G	10MM STIFFENER 6CPW BOTH SIDES				
H	4 1420 X 885 BOLTS				
I	5 THICK CAP PLATE 63FW TO STUB				
J	10 THICK PLATE				
K	1420 CHS STUB PERW TO RLY				

1	200	300	400	500mm
SCALE 1:10 AT ORIGINAL SIZE				
0	50	100	150	200mm
SCALE 1:10 AT ORIGINAL SIZE				

**SHD**  
 148 Pitt St Brisbane QLD 4000 Australia  
 T 61 7 325 5000 F 61 7 325 5003  
 E shd@shd.com.au W www.shd.com.au

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Drawn	J. TROTH	Checked	A. WHITEHEAD
Approved	(Project Director)	Checked	
Scale	A3 B3/C3/M	Scale	

Client: **CONOCOPHILLIPS AUSTRALIA**  
 Project: **FLINE CARPARK REPURPOSING WORKS**  
 Title: **RELOCATED LIGHT MOUNTING DETAILS**  
 Drawing No: **41-28663-S002**  
 Rev: **B**

**APPROVED**

**FOR TENDER**







**GENERAL NOTES**

**DRAWINGS**

GEN1. THE DRAWINGS ARE A GUIDE ONLY FOR THE LOCATION AND LAYOUT OF THE SERVICE PIPES.  
 GEN2. DO NOT SCALE FROM THESE DRAWINGS.  
 GEN3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS, SPECIFICATIONS AND DRAWINGS.

**LEVELS**  
 GEN4. VERIFY THAT ALL INVERT LEVELS, SURFACE LEVELS AND CLEARANCES ARE CORRECT AND OBTAINABLE PRIOR TO COMMENCING WORKS.  
 GEN5. ALL LEVELS ARE SHOWN IN METRES AND UNO.

**REGULATIONS**  
 GEN6. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING ACT, THE PLUMBING AND DRAINAGE ACT AND TO THE APPROVAL OF THE LOCAL AUTHORITY.  
 GEN7. ALL PLUMBING AND DRAINAGE MATERIALS SHALL BE CERTIFIED ITEMS IN ACCORDANCE WITH THE STANDARDS FOR PLUMBING AND DRAINAGE REGULATION PART 4.  
 GEN8. WORKS SHALL BE CONSTRUCTED BY SUITABLY QUALIFIED AND LICENSED TRADES PEOPLE.  
 GEN9. WHERE LEGISLATION, STANDARDS AND CODES ARE REFERENCED ON THESE DRAWINGS, THEY SHALL BE THE REVISION IN FORCE AS OF THIS DRAWING DATE.  
 GEN10. - FOR BUILDING LEGISLATION, STANDARDS AND CODES UNO.  
 GEN11. - FOR PLUMBING AND DRAINAGE LEGISLATION, STANDARDS AND CODES UNO.  
 GEN12. - FOR ANY OTHER LEGISLATION, STANDARDS AND CODES NOT COVERED IN THE ABOVE.

**TESTING AND INSPECTION**  
 GEN13. ANY ALL COSTS FOR THE TESTING OF THE INSTALLATION AND COSTS FOR INSPECTION BY LOCAL AUTHORITY, UNO.  
 GEN14. UNDERPINE ALL OF THE TESTING REQUIREMENTS OF THESE DRAWINGS, THE CONTRACT DOCUMENTS, RELEVANT CODES, STANDARDS AND LEGISLATION, UNO.

**MEASUREMENTS**  
 GEN15. ALL DISTANCES ARE SHOWN IN MILLIMETRES, UNO.

**WORKPLACE HEALTH AND SAFETY**

GENERAL  
 WHS01. FOR RESIDUAL RISKS IDENTIFIED FROM THE DESIGN PROCESS, REFER TO THE PROJECT RISK REGISTER.  
 WHS02. CHANGES TO MECHANICAL SERVICES DESIGN SHALL BE REVIEWED AGAINST THE PROJECT RISK REGISTER AND MAY REQUIRE FURTHER RISK ASSESSMENT.

GEN13. ALL LEVELS ARE SHOWN IN METRES, UNO.  
 GEN14. MEASUREMENTS OF QUANTITIES ARE IN ACCORDANCE WITH AS 801:2001-BIM.

**EXISTING SERVICES**  
 GEN15. ALL EXISTING SERVICES MADE REDUNDANT FROM THESE WORKS AND EXISTING REDUNDANT SERVICES SHALL BE REMOVED OR SEALED OFF IN ACCORDANCE WITH THESE DRAWINGS. THE CONTRACT DOCUMENTS AND TO THE SATISFACTION OF THE LOCAL AUTHORITY.  
 GEN16. THE CONTRACTOR TO PROTECT ALL EXISTING SERVICES AND STRUCTURES CLOSE TO NEW PRELIME AND SUPPORT AS REQUIRED.  
 GEN17. SOME INFORMATION ON LOCATION OF SERVICES HAS BEEN OBTAINED FROM TIAL BEFORE YOU DIG.  
 GEN18. THE CONTRACTOR SHALL LOCATE ALL SERVICES ON SITE PRIOR TO COMMENCEMENT OF ANY WORKS. ALL EXISTING SERVICES AND UTILITIES SHALL BE PROTECTED FROM DAMAGE BY THE OPERATIONS OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF SERVICES DAMAGED DURING CONSTRUCTION.

**PIPE DIAMETERS**  
 GEN19. ALL PIPE DIAMETERS DETAILED ON THESE DRAWINGS ARE SHOWN AS NOMINAL DIAMETERS.

**NEW WORKS**  
 GEN20. DRAWINGS ARE INDICATIVE ONLY. CONTRACTOR TO COORDINATE WITH ALL SERVICES AND STRUCTURES BEFORE PURCHASING MATERIALS.  
 GEN21. NOMINATION OF PROPRIETARY ITEMS DOES NOT INDICATE EXCLUSIVE PREFERENCE BUT INDICATES REQUIRED PROPERTIES OF ITEM. SIMILAR ALTERNATIVES HAVING REQUIRED PROPERTIES MAY BE OFFERED FOR APPROVAL. INSTALL PROPRIETARY ITEMS IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS AND RECOMMENDATIONS.  
 GEN22. COORDINATE ALL PIPEWORK ON SITE.

**EXISTING POTABLE WATER BOOSTER**  
 PIPE TO BE REPLACED AND LOCKED NEARER TO TANKS. ELECTRICAL SUPPLY TO BE EXTENDED TO THIS LOCATION.

**EXISTING 800 PVC IRRIGATION PIPEWORK**  
 TO REMAIN TO SERVE REMAINING TANKS.

**EXISTING 150 PVC IRRIGATION PIPEWORK**  
 TO REMAIN TO SERVE REMAINING TANKS.

**EXISTING 150 PVC IRRIGATION PIPEWORK**  
 TO REMAIN TO SERVE REMAINING TANKS.

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 TO REMAIN TO SERVE REMAINING TANKS.

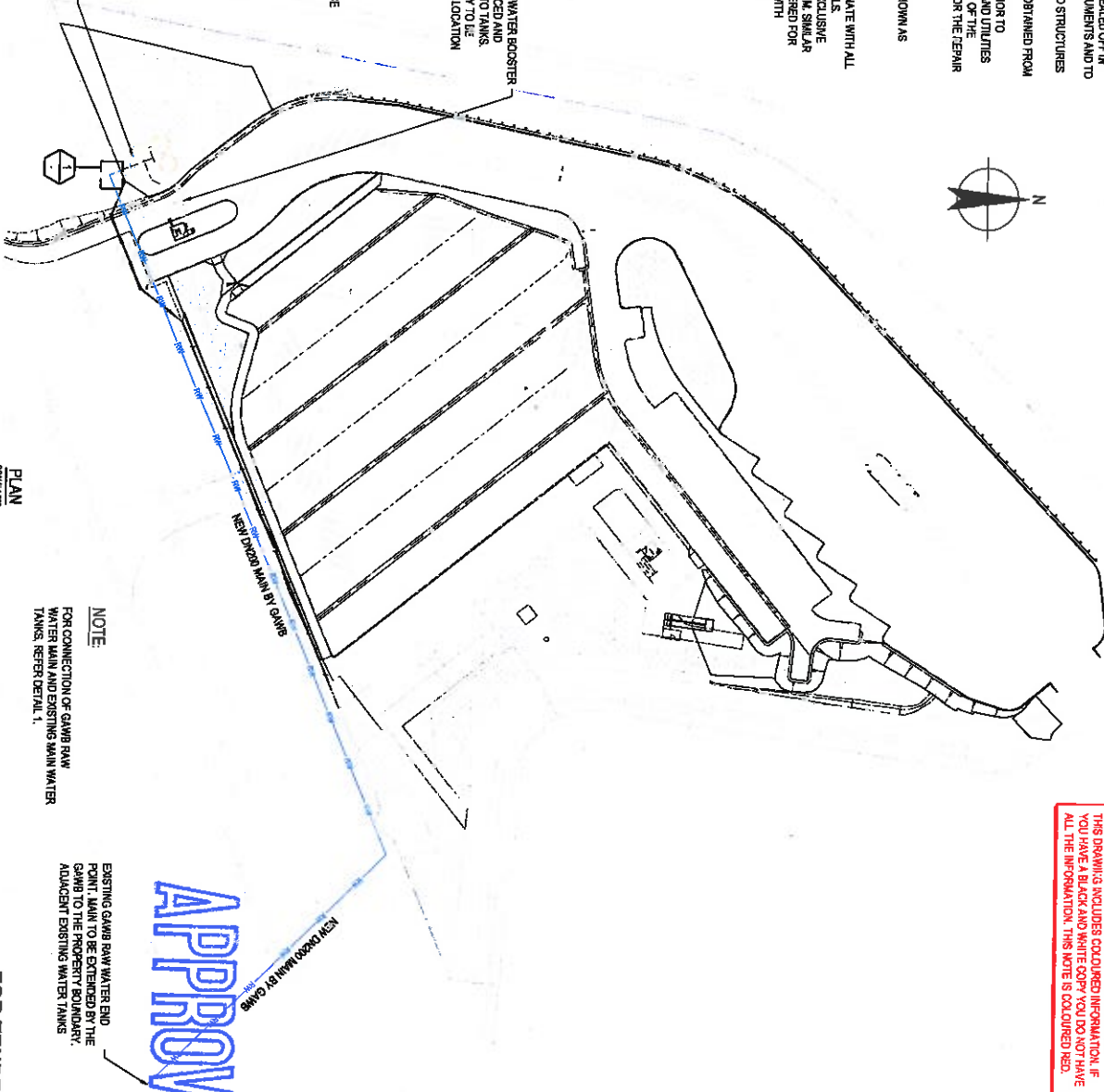
**EXISTING 150 PVC IRRIGATION PIPEWORK**  
 TO REMAIN TO SERVE REMAINING TANKS.

**EXISTING 150 PVC IRRIGATION PIPEWORK**  
 TO REMAIN TO SERVE REMAINING TANKS.

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**EXISTING 150 PVC IRRIGATION PIPEWORK**  
 TO REMAIN TO SERVE REMAINING TANKS.



**TYPICAL GAWB - IRRIGATION CONNECTION DETAIL**  
 1 DETAIL  
 NOT TO SCALE



SCALE: 1:200 AT GENERAL SIZE

D	REVISION FOR TENDER	KS	RO	SPV	26/01/17
C	ISSUED FOR TENDER	MS	RO	3/27	14/11/16
B	ISSUED FOR TENDER	CS	RO	SSV	26/10/16
A	PRELIMINARY ISSUE	CS	CD	CD	CD

Rev: D  
 Drawing No: 41-28663-W001  
 Project: CONOCOPHILLIPS AUSTRALIA FINE CARBARK REPURPOSING WORKS  
 Scale: 1:200  
 Date: 15/08/2017

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Client	CONOCOPHILLIPS AUSTRALIA
Project	FINE CARBARK REPURPOSING WORKS
Scale	1:200
Date	15/08/2017
Author	KS
Check	MS
Design	CS
Drawn	CS
Checked	MS
Approved	KS

**FOR TENDER**  
 CONOCOPHILLIPS AUSTRALIA  
 FINE CARBARK REPURPOSING WORKS  
 LAYOUT PLAN AND DETAILS  
 Drawing No: 41-28663-W001  
 Rev: D

THIS DRAWING INCLUDES COLOURED INFORMATION. IF YOU HAVE A BLACK AND WHITE COPY YOU DO NOT HAVE ALL THE INFORMATION. THIS NOTE IS COLOURED RED.

**APPROVED**

**NOTE**  
 FOR CONNECTION OF GAWB RAW WATER MAIN TO BE DETERMINED BY THE WATER MAIN AND EXISTING MAIN WATER TANKS, REFER DETAIL 1.  
 EXISTING GAWB RAW WATER END POINT MAIN TO BE DETERMINED BY THE GAWB TO THE PROPERTY BOUNDARY, ADJACENT EXISTING WATER TANKS.



**MATERIALS AND INSTALLATION**

**1.0. TYPICAL FLAME STATION AND TANK ARRANGEMENT**

INSTALLATION OF THE SYSTEM SHALL BE IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

- 1.1. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
- 1.2. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
- 1.3. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

**1.4. TYPICAL FLAME STATION AND TANK ARRANGEMENT**

INSTALLATION OF THE SYSTEM SHALL BE IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

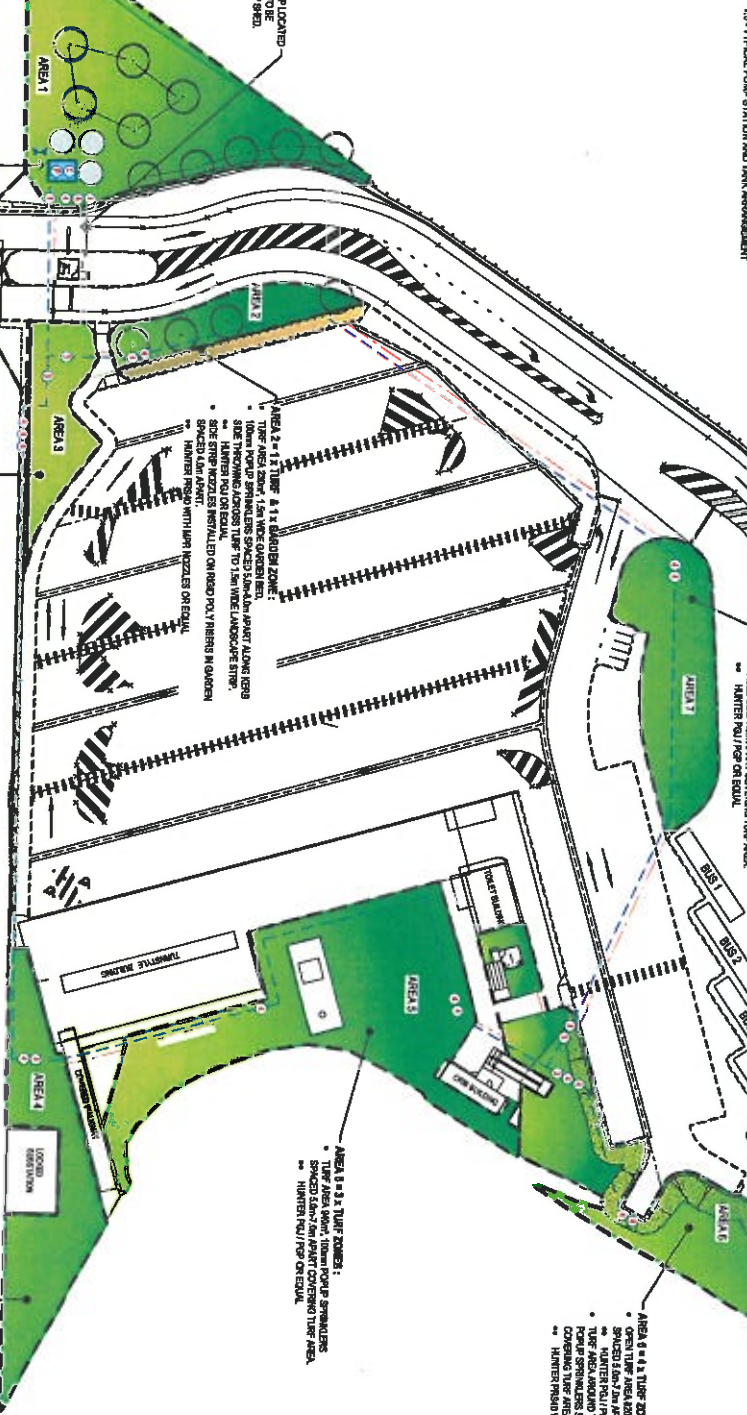
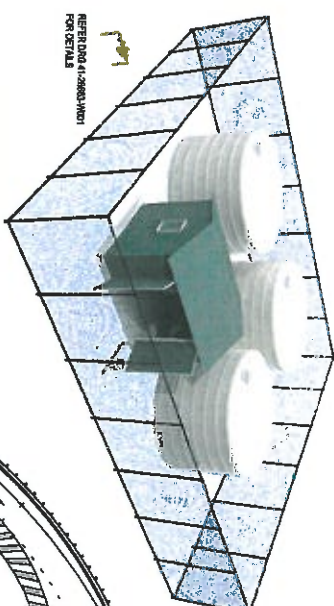
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- AREA 1 - 1 x 1 TURF ZONES:**
- 100mm POUP SPRINKLERS SPACED 3.0m x 3.0m
  - HANTER POUP OR EQUAL
- AREA 2 - 1 x 1 TURF ZONES:**
- 100mm POUP SPRINKLERS SPACED 3.0m x 3.0m
  - HANTER POUP OR EQUAL
- AREA 3 - 1 x 1 TURF ZONES:**
- 100mm POUP SPRINKLERS SPACED 3.0m x 3.0m
  - HANTER POUP OR EQUAL
- AREA 4 - 1 x 1 TURF ZONES:**
- 100mm POUP SPRINKLERS SPACED 3.0m x 3.0m
  - HANTER POUP OR EQUAL
- AREA 5 - 1 x 1 TURF ZONES:**
- 100mm POUP SPRINKLERS SPACED 3.0m x 3.0m
  - HANTER POUP OR EQUAL

**PROTECTION FROM STRAY LIGHT LOCATION:**

- ALL LIGHT FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
- ALL LIGHT FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
- ALL LIGHT FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

**APPROVED**

**FOR TENDER**

**CONCOGPHILLIPS AUSTRALIA**  
**FLUE CARPARK REPURPOSING WORKS**  
**IRRIGATION WORKS**  
**CONCEPT DESIGN**

Drawing No: 41-28663-W003 Rev: B





300mm TYPE 2.1 GRANULAR MATERIAL (CGR 89)
750mm TYPE 2.3 SELECT FILL (CGR 48)
GEORGRID (TENSAR 12M1200 OR EQUIVALENT)
GENERAL FILL ABOVE LAY 5.2 - BY SUBCONTRACTOR
GEOTECH TYPE 8 (PER DMR STD. SPECIFICATION M1927)
GENERAL FILL BELOW LAY 5.2 - BY OTHERS

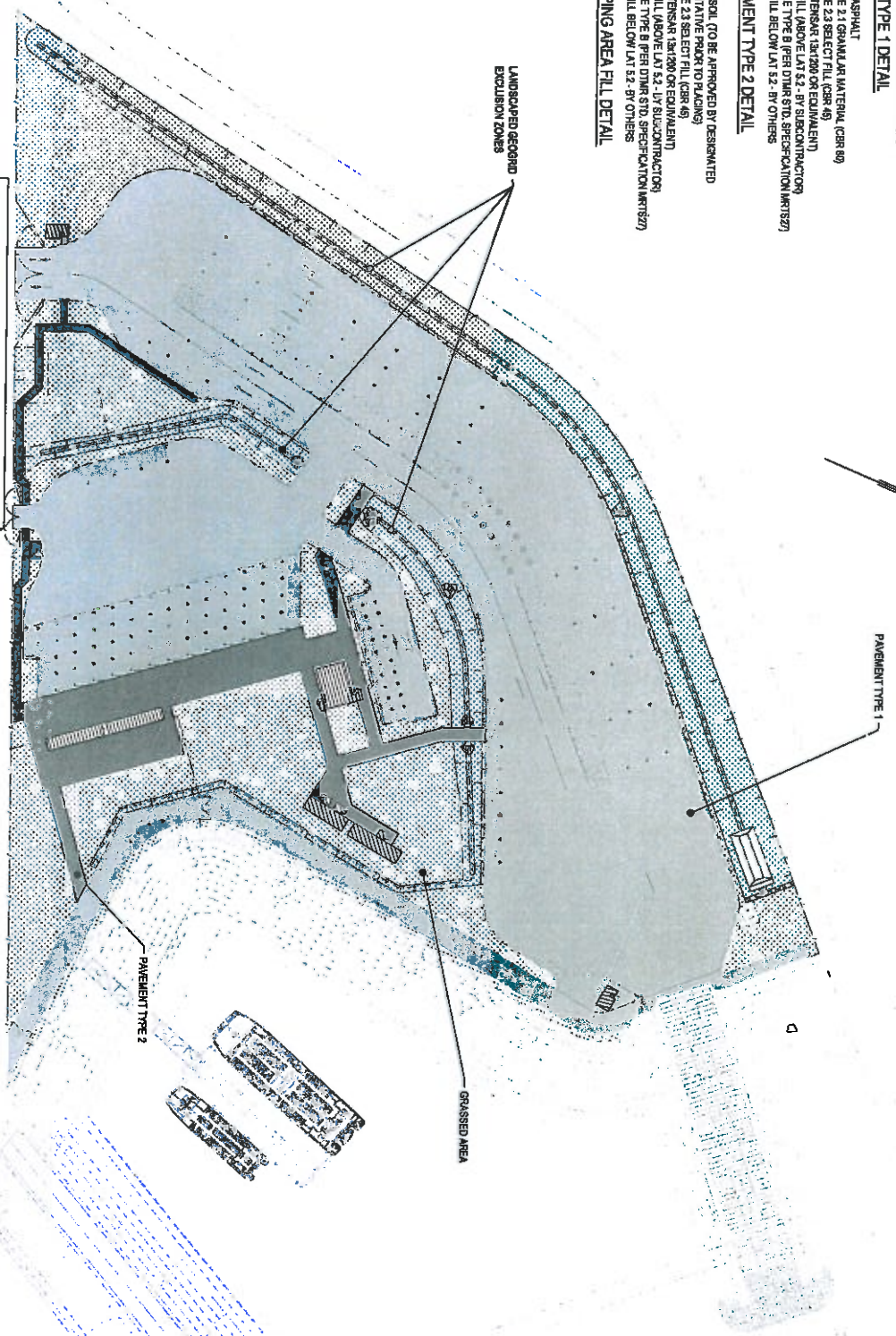
**PAVEMENT TYPE 1 DETAIL**

25mm DGG ASPHALT
100mm TYPE 2.1 GRANULAR MATERIAL (CGR 89)
475mm TYPE 2.3 SELECT FILL (CGR 48)
GEORGRID (TENSAR 12M1200 OR EQUIVALENT)
GENERAL FILL ABOVE LAY 5.2 - BY SUBCONTRACTOR
GEOTECH TYPE 8 (PER DMR STD. SPECIFICATION M1927)
GENERAL FILL BELOW LAY 5.2 - BY OTHERS

**FOOTPATH - PAVEMENT TYPE 2 DETAIL**

100mm TOPSOIL (TO BE APPROVED BY DESIGNATED REPRESENTATIVE PRIOR TO LAYING)
400mm TYPE 2.3 SELECT FILL (CGR 48)
GEORGRID (TENSAR 12M1200 OR EQUIVALENT)
GENERAL FILL ABOVE LAY 5.2 - BY SUBCONTRACTOR
GEOTECH TYPE 8 (PER DMR STD. SPECIFICATION M1927)
GENERAL FILL BELOW LAY 5.2 - BY OTHERS

**GRASSED/ LANDSCAPING AREA FILL DETAIL**



**PAVEMENT DESIGN ASSUMPTIONS**

DESIGN LIFE - 10 YEARS

DESIGN TRAFFIC - 3.42 x 10<sup>6</sup>

ASSUMED SUBGRADE - CBR 5 (TO BE CONFIRMED BY GEOTECHNICAL INVESTIGATION)

**APPROVED**

- NOTES**
- ALL PAVEMENT MATERIAL TO OTHER STANDARD SPECIFICATIONS (AS 1158, 2011) AND TERNUM, ASSESSMENTS AND GENERAL NOTES REFER TO DMS NO. 41-23078-C319.
  - FOR TYPICAL SECTIONS REFER TO DMS NO. 41-23078-C319.

**LEGEND**

[Pattern]	PAVEMENT TYPE 1 - ROADWAY
[Pattern]	PAVEMENT TYPE 2 - FOOTPATH
[Pattern]	GRASSED AREA
[Pattern]	LANDSCAPING AREA EXCLUDING GEORGRID LAYERS
[Pattern]	BUILDINGS

**WARNING**

BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown.

**AS CONSTRUCTED DISCLAIMERS**

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**PAVEMENT LAYOUT PLAN AND DETAILS**

SCALE: 1:500



2	AS CONSTRUCTED ASHLE	WCH	MS	80T	802/3
1	REBARRED FORM CONSTRUCTION	ENG	40T	80T	802/11
6	REBARRED FORM CONSTRUCTION	ART	40T	80T	802/11
10	REBARRED FORM CONSTRUCTION	CHW	40T	80T	802/11

Project: **AUSTRALIA PACIFIC LNG PROJECT**

Client: **AUSTRALIA PACIFIC LNG PROJECT**

Project No: **41-23078-C319**

Drawing No: **41-23078-C319**

Sheet: **2**

BECHTEL DOCUMENT NO. 28508-T00-V28-S007-10112

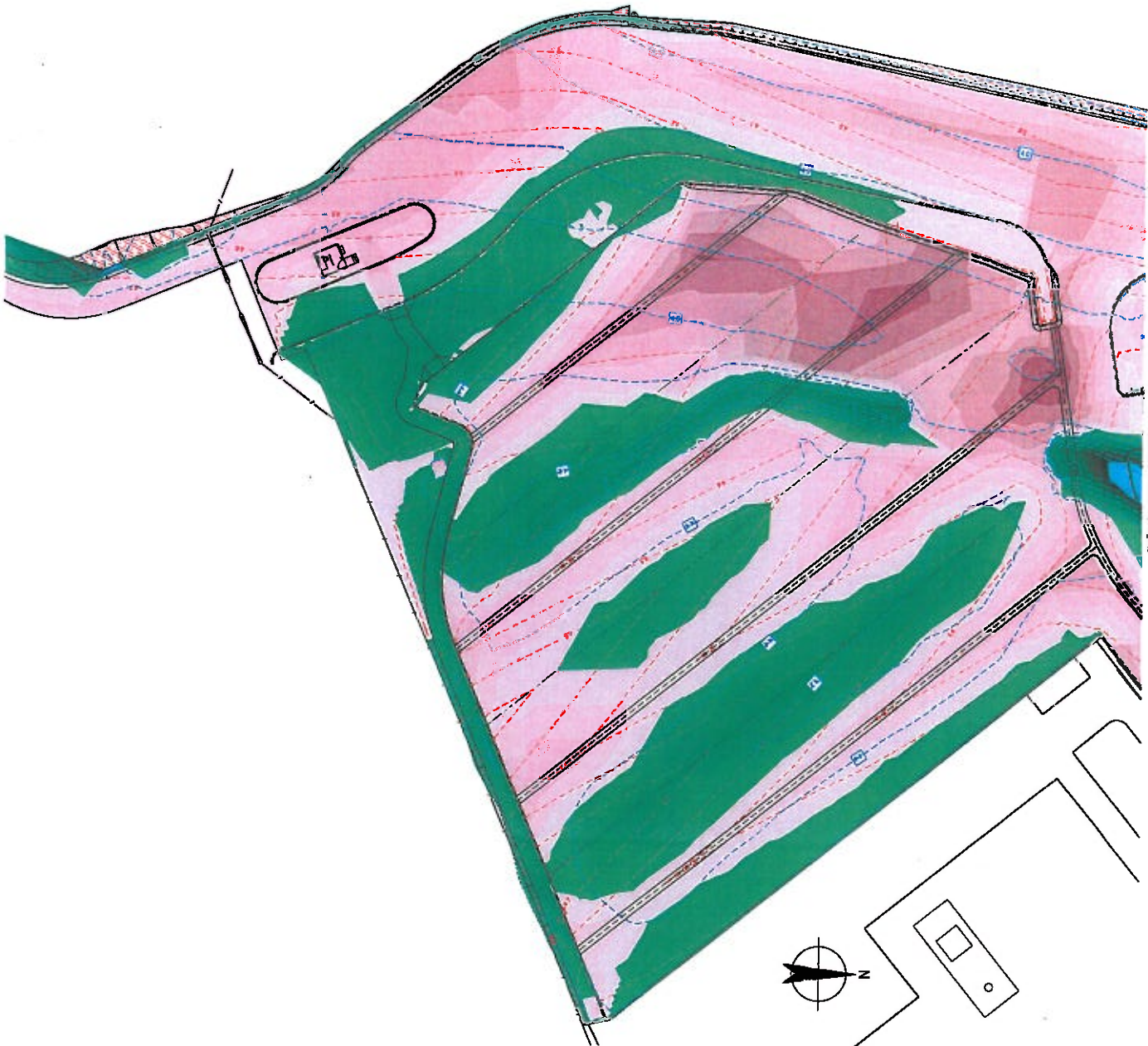
DO NOT SCALE

Approved by: [Signature]

Checked by: [Signature]

Scale: 1:500

AS CONSTRUCTED



**LEGEND:**

EXISTING CONTOUR @ 0.5m  
 FINISHED SURFACE CONTOUR @ 0.5m

LOWER	UPPER	COLOR
-0.7	to -0.6	[Pink]
-0.6	to -0.5	[Light Pink]
-0.5	to -0.4	[Lighter Pink]
-0.4	to -0.3	[Lightest Pink]
-0.3	to -0.2	[Very Light Pink]
-0.2	to -0.1	[Off-white]
-0.1	to 0.0	[White]
0.0	to 0.1	[Lightest Blue]
0.1	to 0.2	[Light Blue]
0.2	to 0.3	[Lighter Blue]
0.3	to 0.4	[Light Blue]
0.4	to 0.5	[Lighter Blue]
0.5	to 0.6	[Light Blue]
0.6	to 0.7	[Lighter Blue]
0.7	to 0.8	[Light Blue]
0.8	to 0.9	[Lighter Blue]
0.9	to 1.0	[Light Blue]
1.0	to 1.1	[Lighter Blue]
1.1	to 1.2	[Light Blue]
1.2	to 1.3	[Lighter Blue]
1.3	to 1.4	[Light Blue]
1.4	to 1.5	[Lighter Blue]
1.5	to 1.6	[Light Blue]
1.6	to 1.7	[Lighter Blue]

DEPTH OF EXCAVATION - FINISHED SURFACE LEVEL - AVERAGE LENGTH



**APPROVED**

PRELIMINARY

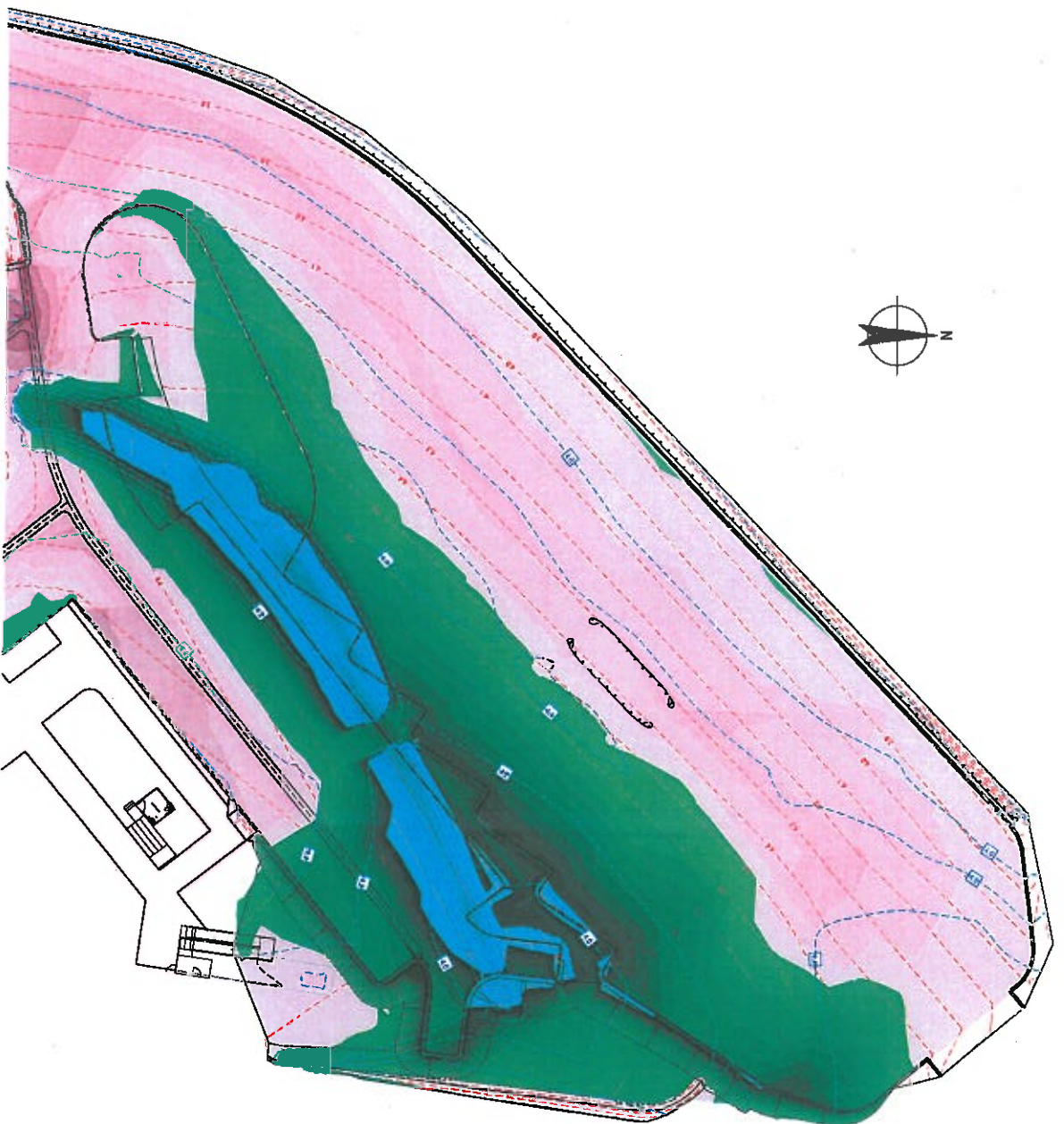
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REV	description	approved

CONCOCPHILLIPS AUSTRALIA  
 FINE CARPARK REPAIRING WORKS  
 DEPTH OF EARTHWORKS  
 SHEET 1 OF 2



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scale 1:250 for A1 job no: 41/20863  
 date MARCH 2017 rev no: A  
 approved (PD) SKC001



CONTINUES SHEET NUMBER 2001

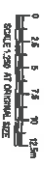
Plan Date: 28/03/2017 10:13 AM  
 Prepared by: Chris Deane

Client Name: CONCORD HILLIPS AUSTRALIA  
 CONCORD HILLIPS AUSTRALIA

**LEGEND:**



DEPTH OF EXCAVATION - FINISHED SURFACE LEVEL - SUBGRADE LEVEL	DEPTH OF EXCAVATION	COLOR
0.0 to 0.1 m	0.0	Lightest Green
0.1 to 0.2 m	0.1	Light Green
0.2 to 0.3 m	0.2	Medium-Light Green
0.3 to 0.4 m	0.3	Medium Green
0.4 to 0.5 m	0.4	Medium-Dark Green
0.5 to 0.6 m	0.5	Dark Green
0.6 to 0.7 m	0.6	Very Dark Green
0.7 to 0.8 m	0.7	Dark Teal
0.8 to 0.9 m	0.8	Teal
0.9 to 1.0 m	0.9	Light Blue-Teal
1.0 to 1.1 m	1.0	Light Blue
1.1 to 1.2 m	1.1	Medium Blue
1.2 to 1.3 m	1.2	Dark Blue
1.3 to 1.4 m	1.3	Very Dark Blue
1.4 to 1.5 m	1.4	Dark Purple
1.5 to 1.6 m	1.5	Very Dark Purple
1.6 to 1.7 m	1.6	Black



**APPROVED**

**PRELIMINARY**

A	INITIAL ISSUE	REV	DESCRIPTION	DATE

CONCORD HILLIPS AUSTRALIA  
 FINE CARPARK REPAIRING WORKS  
 DEPTH OF EARTHWORKS  
 SHEET 2 OF 2



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scale | 1:250 for A1  
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approved (P/D) ..... SKC002



DRAFT

APPROVED

**Conoco Phillips Australia**  
FLNE Carpark Repurposing Works  
Construction Environmental Management Plan

January 2017

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APPROVED

**ConocoPhillips**

**FLNE Carpark Repurposing Works  
Stormwater Management Plan**

November 2016