



DEVELOPMENT SUMMARY

SITE AREA: 5067m²
TOTAL GFA: 275m²

SERVICE YARD/ BIN: 40m²
CAR CANOPY: 305m²
TRUCK CANOPY: 112m²
TOTAL USED AREA: 457m²

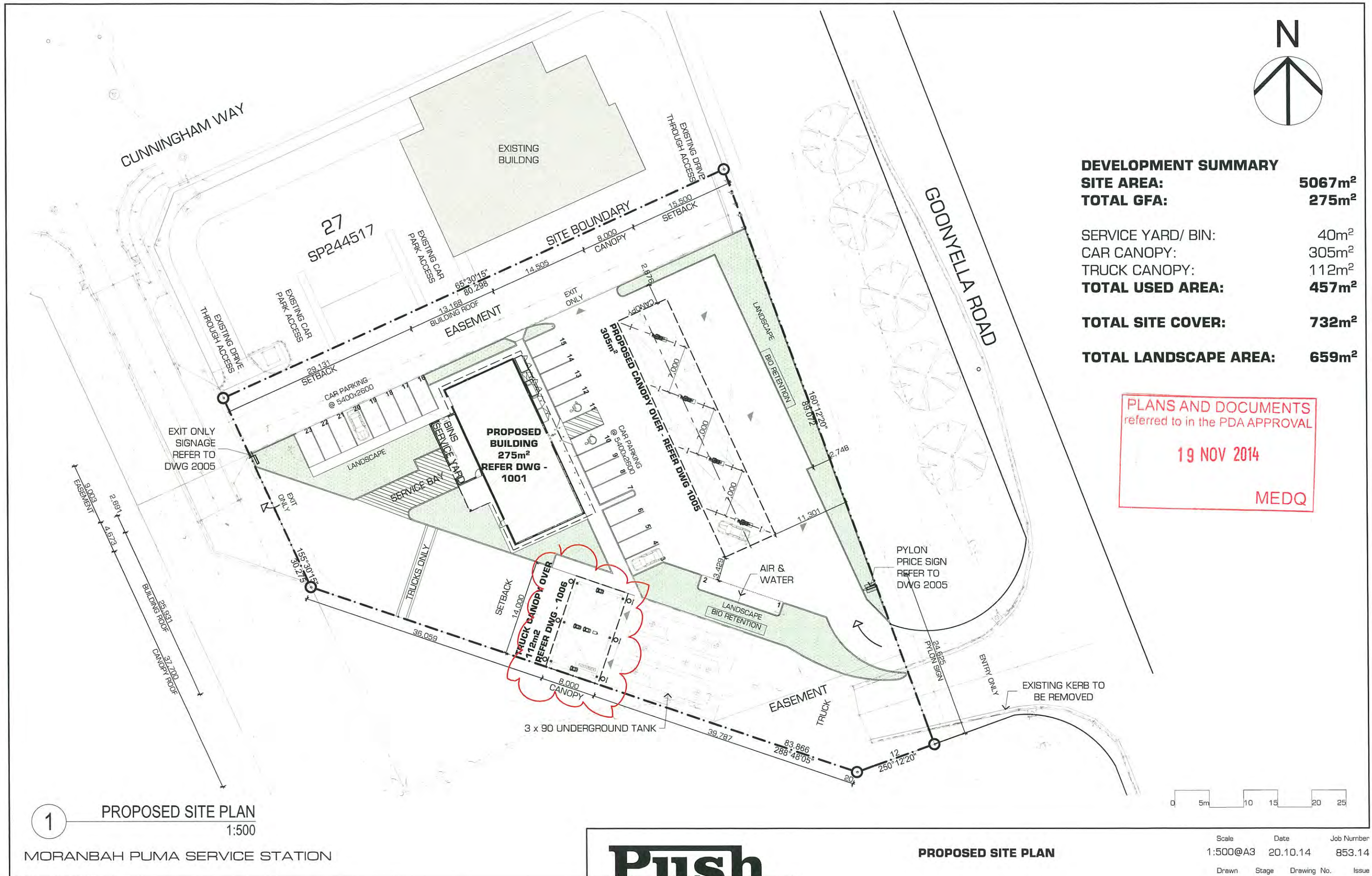
TOTAL SITE COVER: 732m²

TOTAL LANDSCAPE AREA: 659m²

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

19 NOV 2014

MEDQ



1 PROPOSED SITE PLAN
1:500

MORANBAH PUMA SERVICE STATION

PROPOSED LOT 902 SP25569

Push

t 617 3252 0949 f 617 3252 2636 e info@push.net.au

PROPOSED SITE PLAN

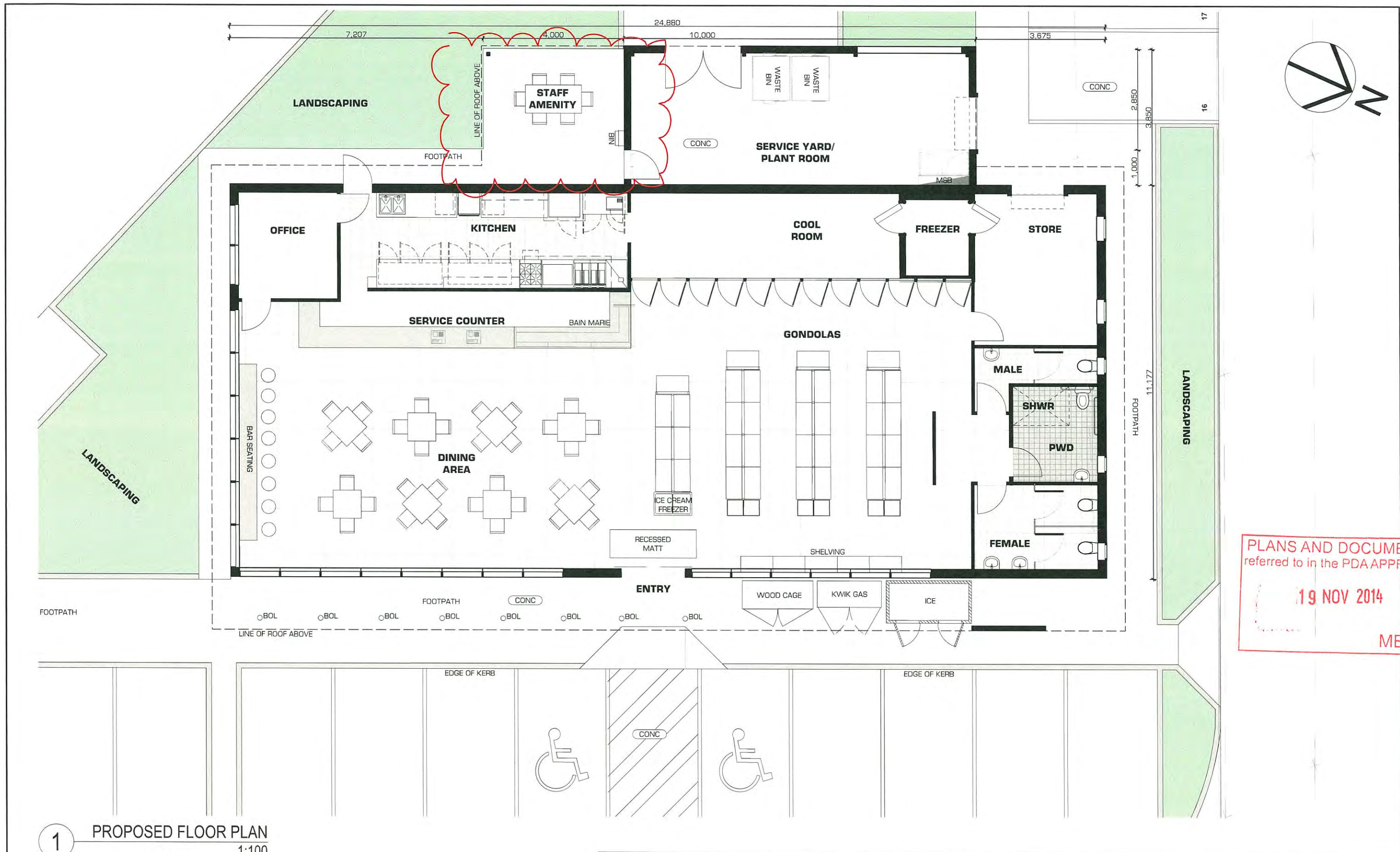
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PLANS AND DOCUMENTS
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1 PROPOSED FLOOR PLAN
1:100

MORANBAH PUMA SERVICE STATION

PROPOSED LOT 902 SP25569

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PROPOSED FLOOR PLAN

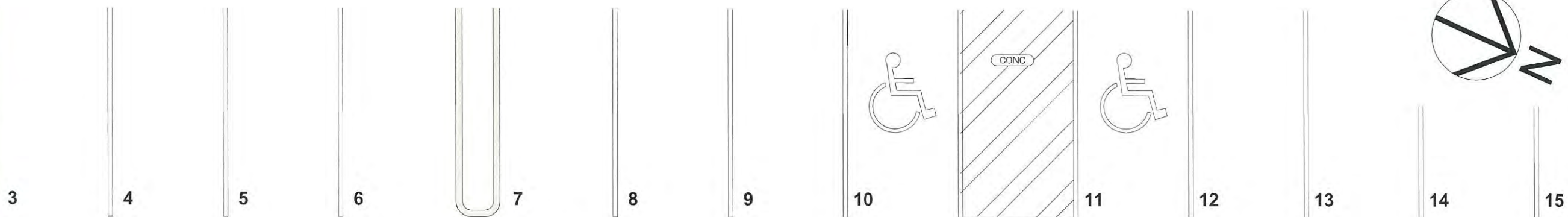
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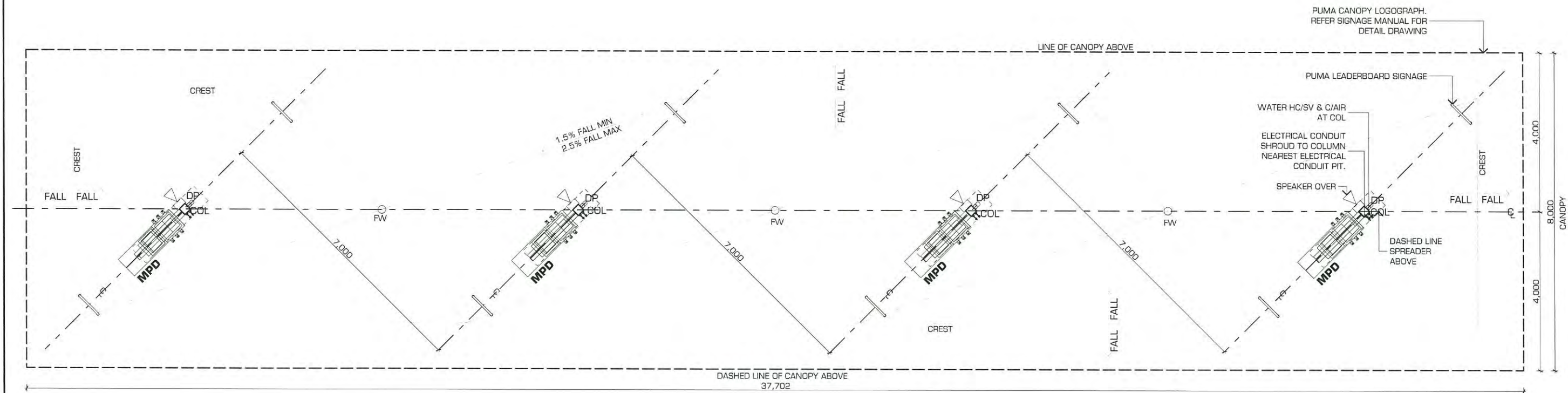


CAR PARKING
@ 5400x2600

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

19 NOV 2014

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APPROACH SIDE

1 PROPOSED CANOPY PLAN
ORANBAH PUMA SERVICE STATION

Push

PROPOSED CANOPY
FLOOR PLAN

Scale	Date	Job Number
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Drawn	Stage	Drawing No.
MC	DA	1005
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PROPOSED LOT 902 SP25569

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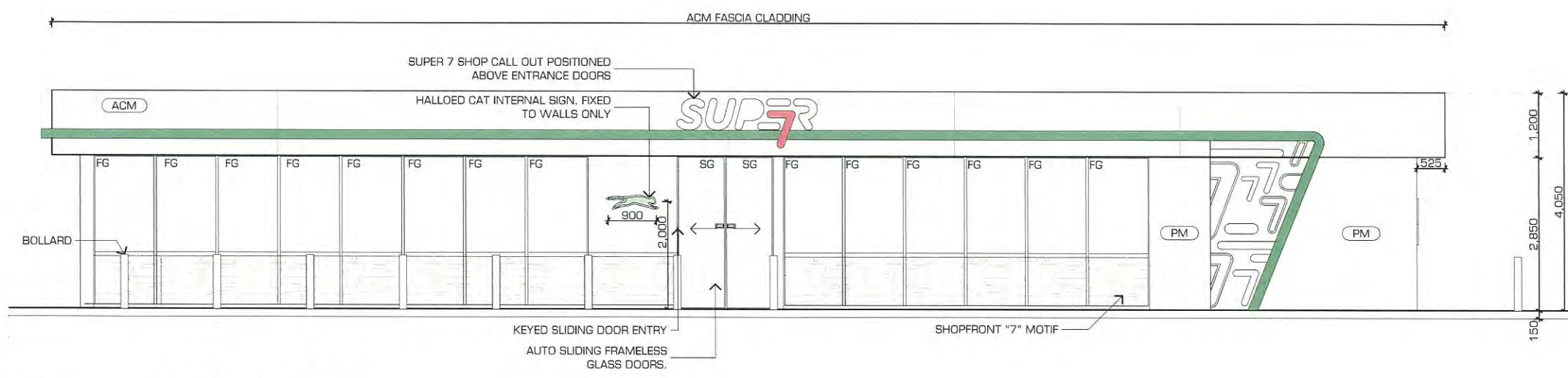
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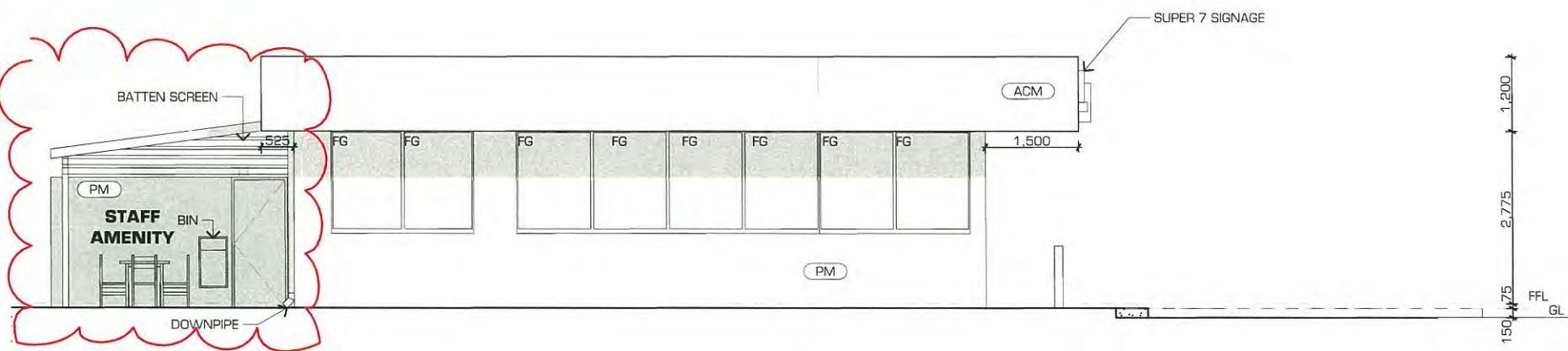
MATERIELS	
PM	PAINTED MASONRY WALL
RS1	ZINC ALUME ROOF CLADDING
PB	PLASTERBOARD - Dulux Terrace White - Semi Gloss
ACM	FOLDED ALUMINIUM COMPOSITE
CONC	CONCRETE FINISH

LEGEND

- FG - FIXED GLASS
- SG - SLIDING GLASS
- COL - COLUMN
- DP - DOWNPIPE
- MPD - MULTI PUMP DISPENSER
- BOL - BOLLARD
- ICR - ISLAND CARD READER
- PTD - PAPER TOWEL DISPENSER
- FW - FLOOR WASTE
- FE - FIRE EXTINGUISHER



1 EAST ELEVATION
1:100



2 SOUTH ELEVATION
1:100

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

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MORANBAH PUMA SERVICE STATION

PROPOSED LOT 902 SP25569

Push

t 617 3252 0949 f 617 3252 2636 e info@push.net.au

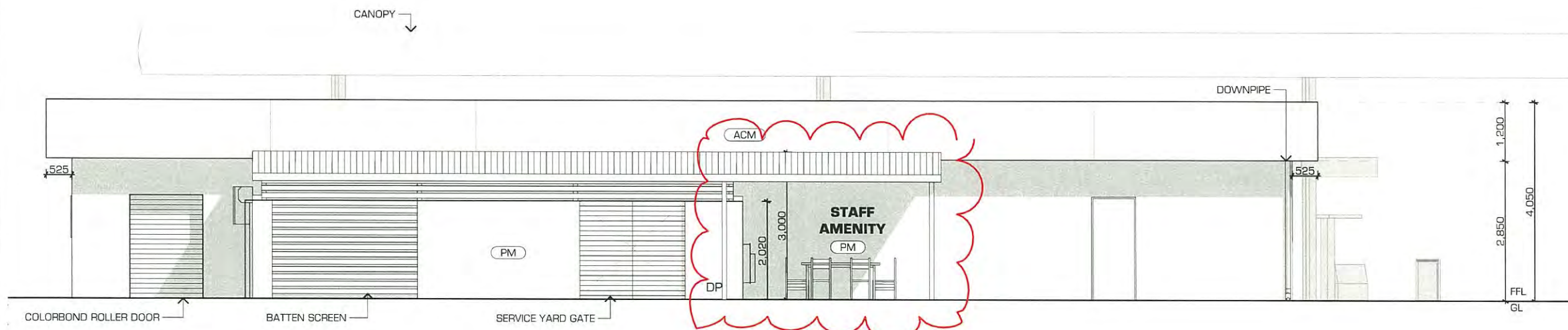
EAST AND SOUTH
ELEVATIONS - SHOP

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Drawn	Stage	Drawing No.
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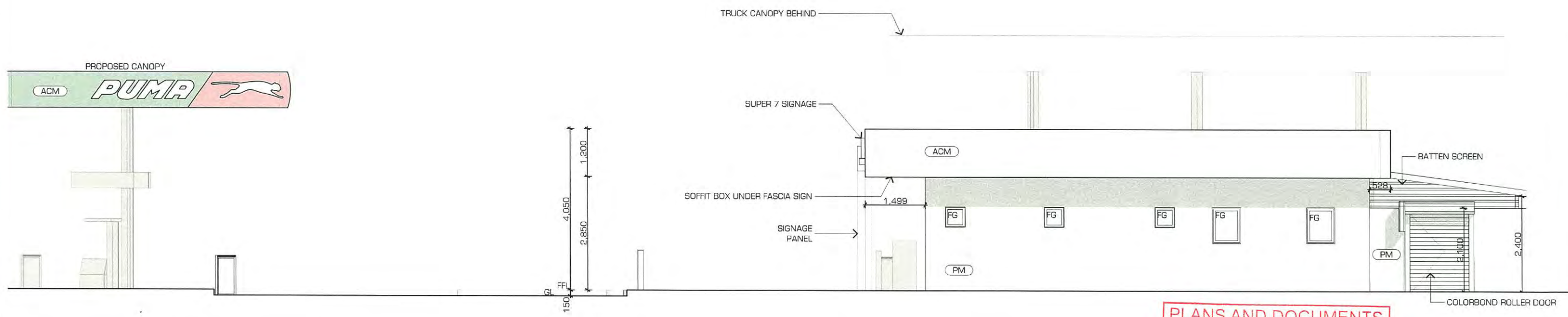
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1 WEST ELEVATION
1:100



2 NORTH ELEVATION
1:100

MATERIELS	
PM	PAINTED MASONRY WALL
RS1	ZINC ALUME ROOF CLADDING
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ACM	FOLDED ALUMINIUM COMPOSITE
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PLANS AND DOCUMENTS
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19 NOV 2014

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MORANBAH PUMA SERVICE STATION

PROPOSED LOT 902 SP25569

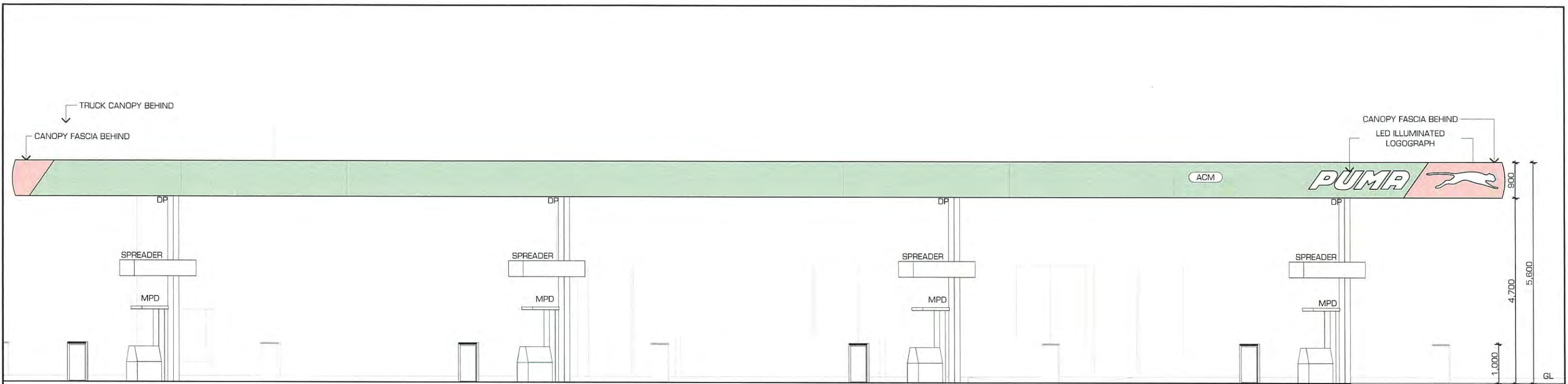
Push

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WEST AND NORTH
ELEVATIONS - SHOP

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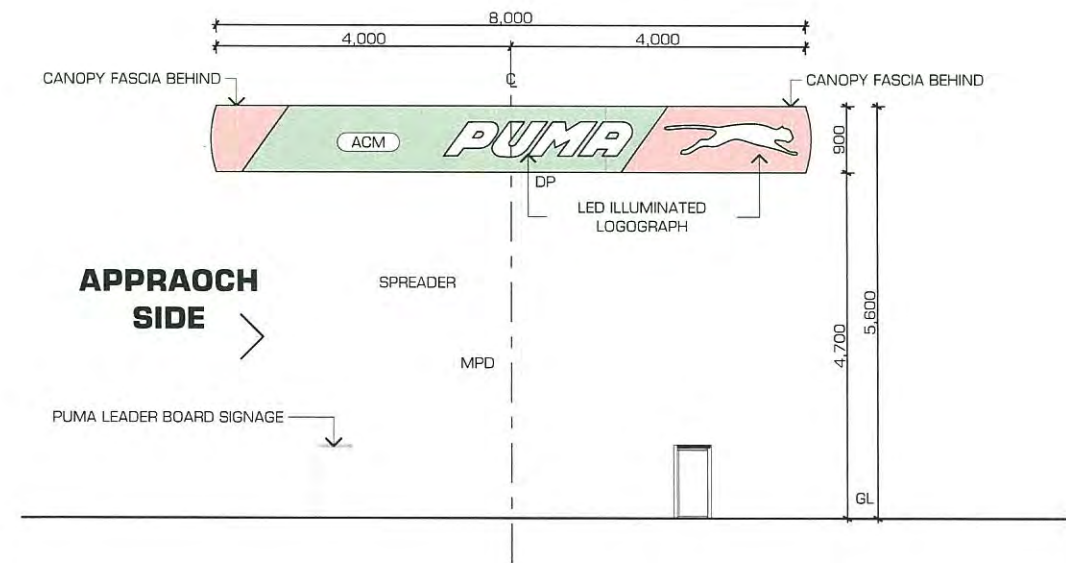
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1 EAST ELEVATION - CANOPY
1:100

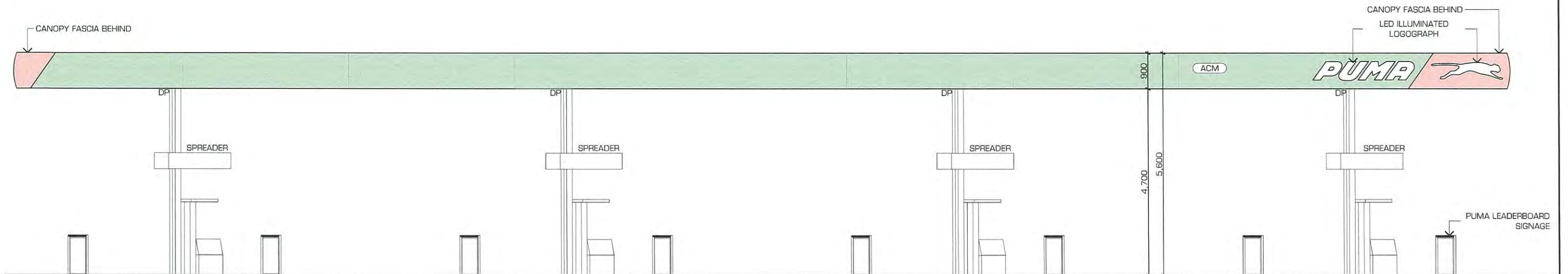
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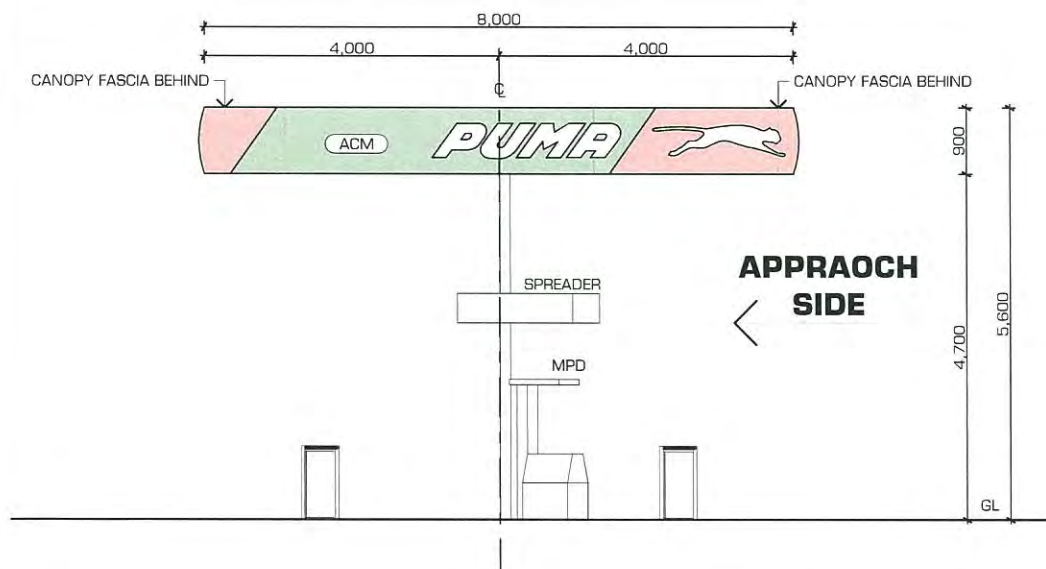


2 NORTH ELEVATION - CANOPY
1:100

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL
19 NOV 2014
MEDQ



1 WEST ELEVATION - CANOPY
1:100



2 SOUTH ELEVATION - CANOPY
1:100

MATERIELS	
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PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

19 NOV 2014

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MORANBAH PUMA SERVICE STATION

PROPOSED LOT 902 SP25569

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**WEST AND SOUTH
ELEVATIONS - CANOPY**

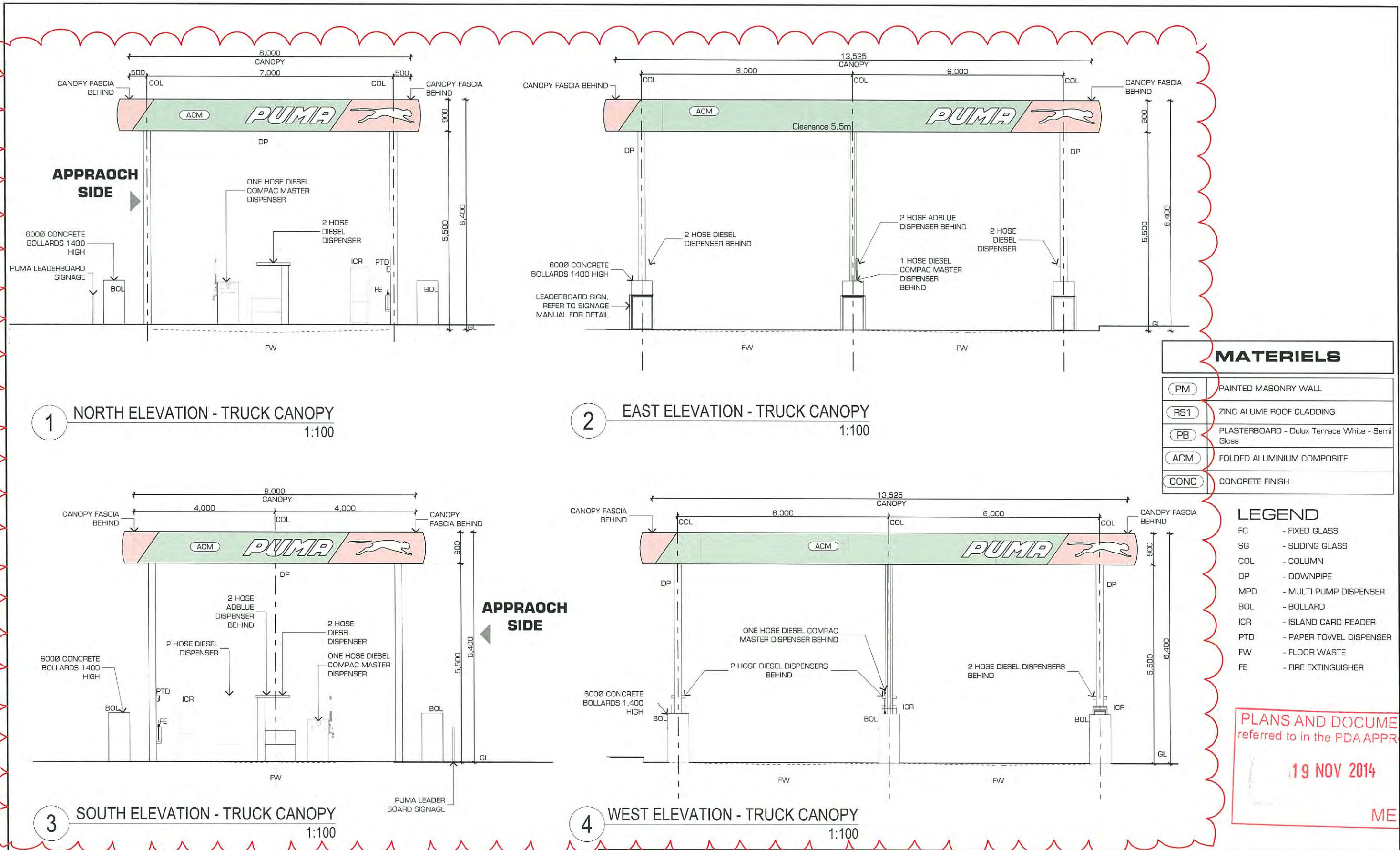
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Drawn Stage Drawing No. Issue
MC DA 2003 B

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PROPOSED LOT 902 SP25569

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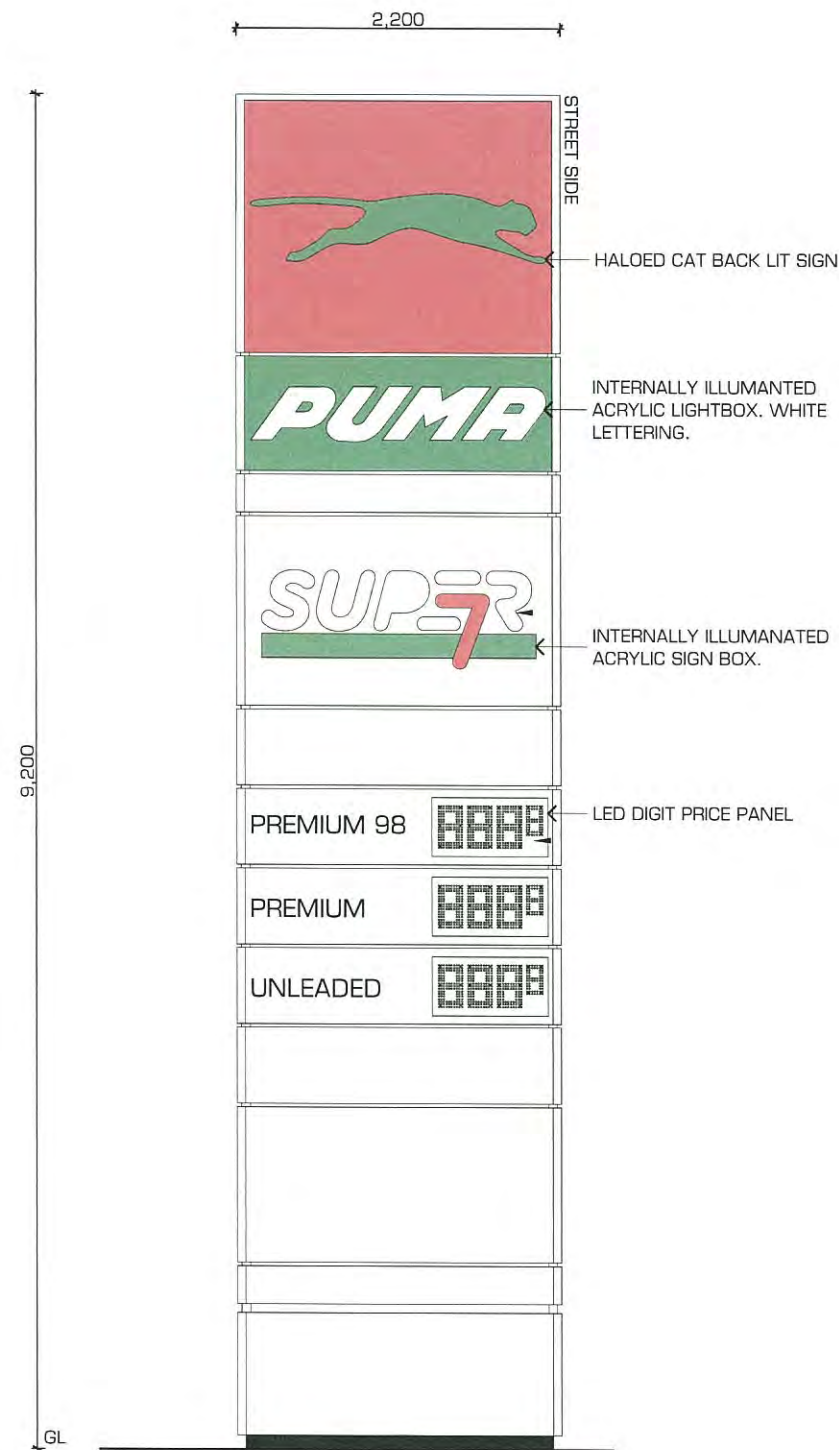
**ELEVATIONS - TRUCK
CANOPY**

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Drawn	Stage	Drawing No.
MC	DA	2004
		Issue
		E

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1 PYLON SIGN ELEVATION
1:50

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PROPOSED LOT 902 SP25569

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PYLON SIGNAGE

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

19 NOV 2014

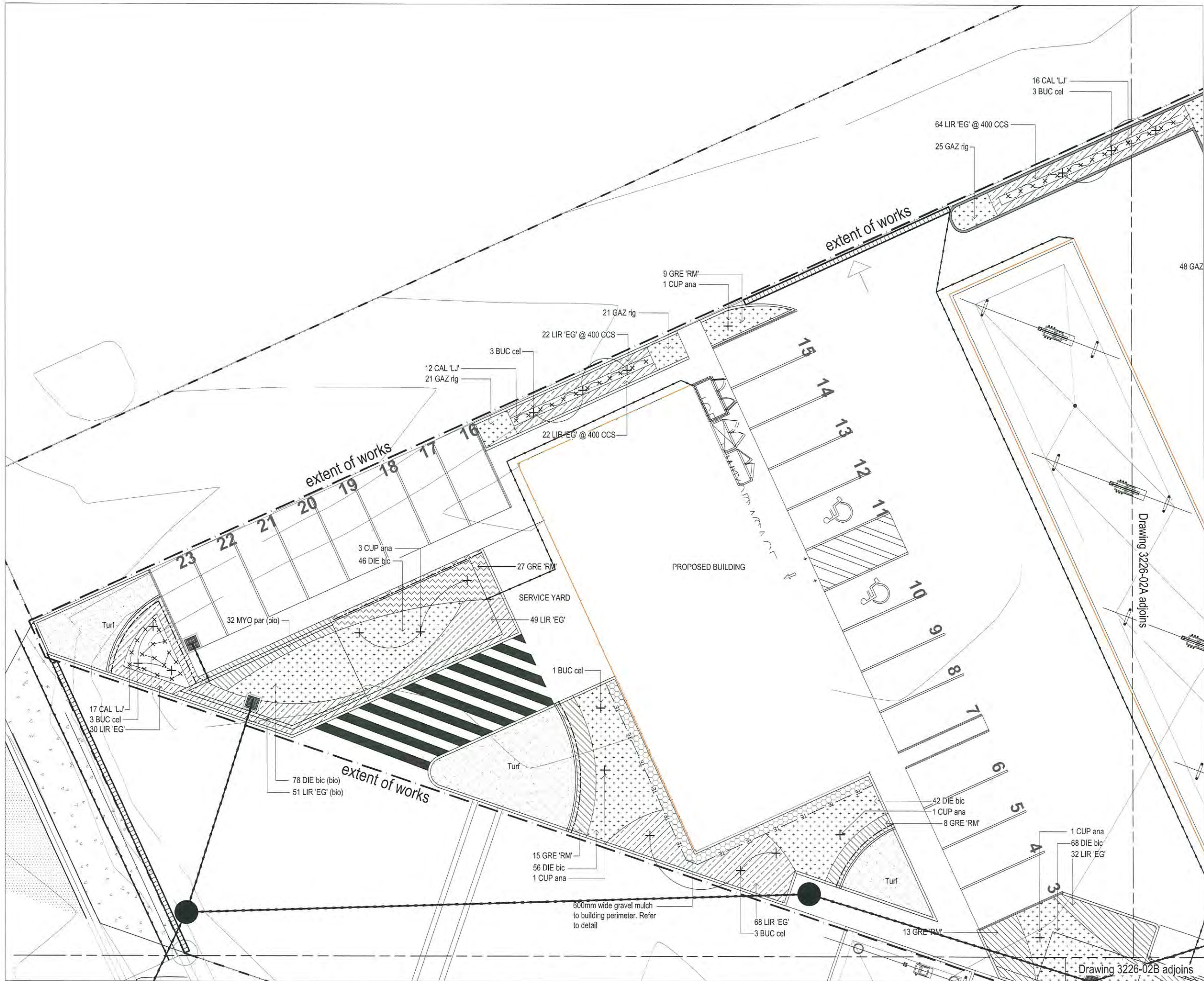
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Drawn	Stage	Drawing No.	Issue
MC	DA	2005	B

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AMENDMENT		
ISSUE	DATE	DETAILS
P1	11.07.2014	OP WORKS APPROVAL
P2	28.08.2014	OP WORKS APPROVAL

KEY

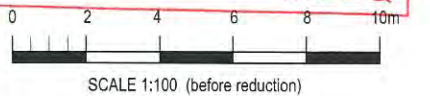
- Project boundary.
- Extent of works.
- Existing trees to be retained. Protect from damage as specified.
- New Trees. Refer to Plant Schedule.
- New Shrubs. Refer to Plant Schedule.
- New Groundcovers. Refer to Plant Schedule.
- A-grade turf over 100mm imported topsoil and decompacted subgrade as specified.
- Subsurface drain to detail G / 04. Connect to stormwater to hydraulic engineers detail.
- Concrete garden edge - refer to detail E / 04
- Timber edge to detail E / 04
- Gravel mulch to detail D / 04

NOTE: Refer to architectural plans for all hardworks

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

19 NOV 2014

MEDQ



verge ply ltd
URBAN LANDSCAPE ARCHITECTURE

PROJECT
PUMA SERVICE STATION
GOONYELLA ROAD
MORANBAH

JOB NUMBER
3260

CLIENT
C/- EVANS LONG PTY LTD



DRAWING
LANDSCAPE PLANTING PLAN

DRAWING NUMBER
3260-02

ISSUE
P2

DRAWN: SK
CHECKED: DR
DATE: 28.08.2014
SCALE: 1:100 @ A1

verge ply ltd
URBAN LANDSCAPE ARCHITECTURE
ACN 093 021 848

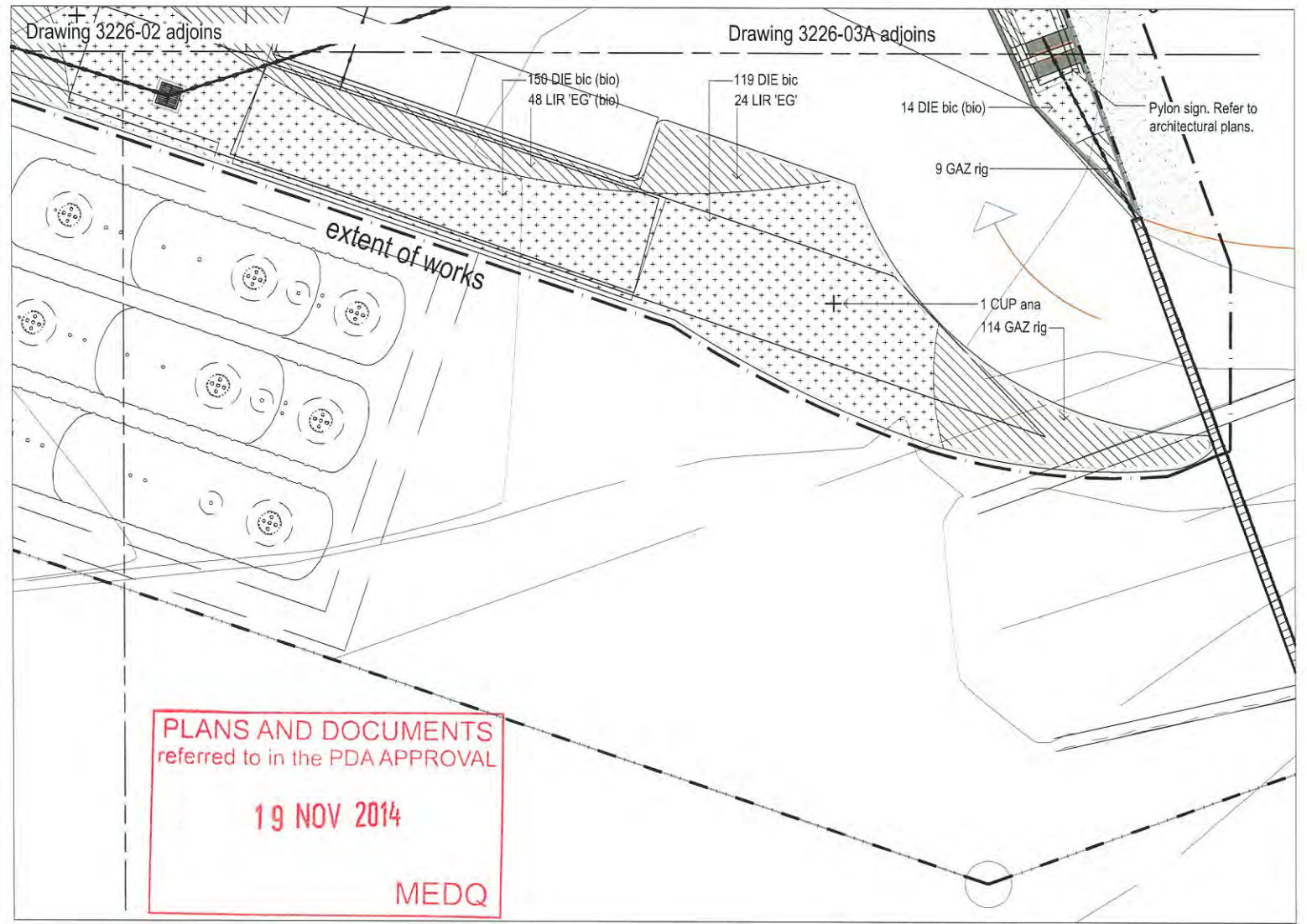
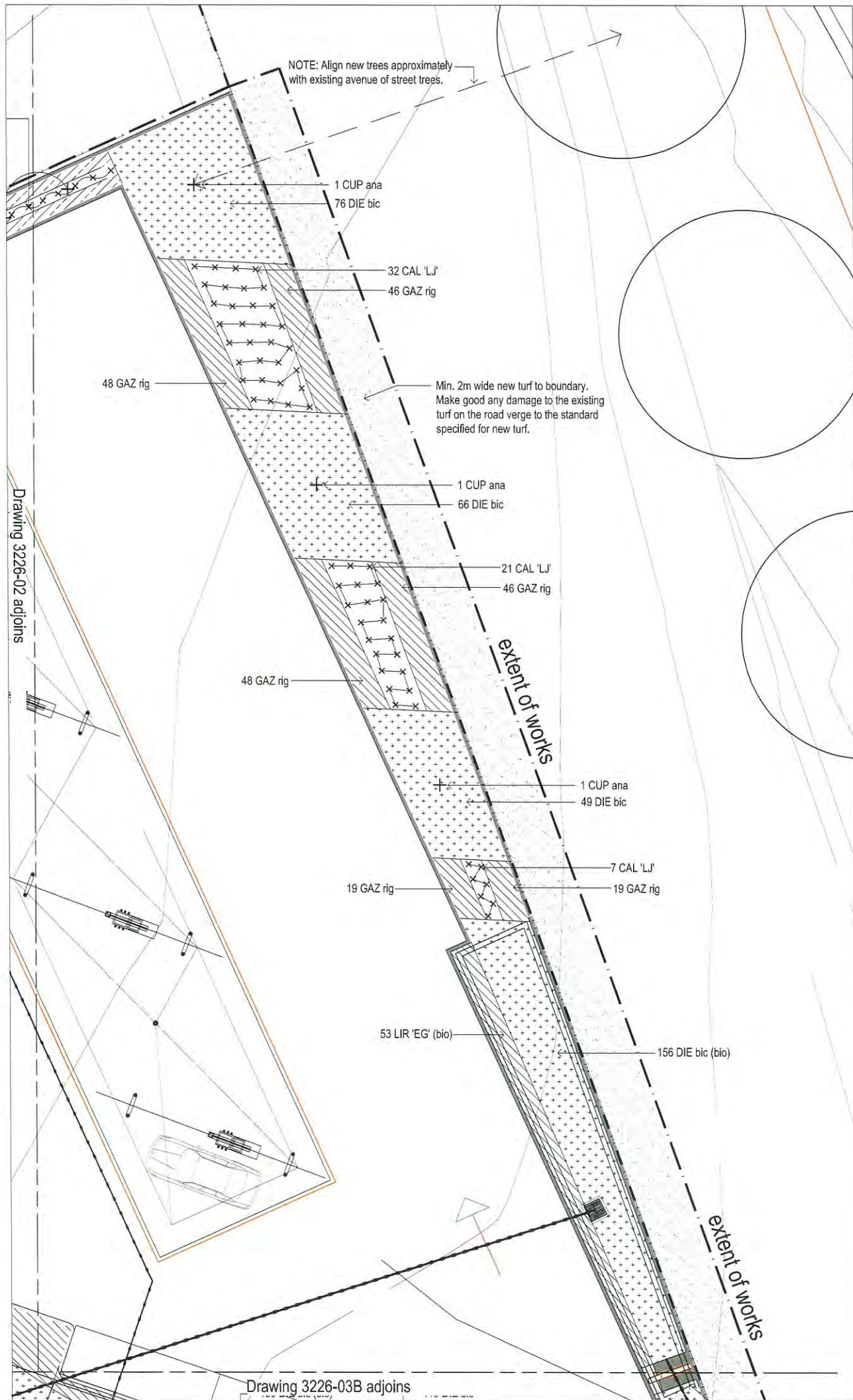
BRISBANE
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THE CHANNON NSW 2480
52 Terania Street
THE CHANNON NSW 2480

T 02 6688 8508
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Drawing 3226-02B adjoins

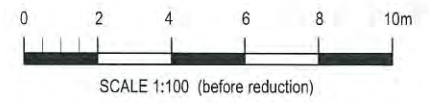


PLANT SCHEDULE

All trees supplied are to comply with NATSPEC's "Specifying Trees: a guide to assessment of tree quality" by Ross Clark 2003. The nursery must provide written certification that the trees are NATSPEC compliant or provide independent arboricultural certification that the supplied trees are NATSPEC compliant. Refer also to the Specification for further requirements for shrubs and groundcovers.

			REQUIRED HEIGHT AT TIME OF PLANTING	CLEAN STEM HEIGHT AT TIME OF PLANTING	NOMINAL CONTAINER SIZE	QTY
TREES						
BUC cel	Buckinghamia celosissima	Ivory Curl	1.7m	0.7m	45L**	13
CUP ana	Cupaniopsis anacardioides	Tuckeroo	1.7m	0.7m	45L**	11
**Pot sizes indicative only. Height/calliper/container size combinations and clean stem heights are to be in accordance with NATSPEC guidelines.						
SHRUBS						
CAL 'LJ'	Callistemon 'Little John'	Little John	n/a	n/a	200mm	95
GROUNDCOVERS						
DIE bic	Dielsia bicolor	Spanish Iris	n/a	n/a	140mm	522
GAZ rig	Gazania rigens	Treasure Flower	n/a	n/a	140mm	416
GRE 'RM'	Grevillea pinnatifida 'Royal Mantle'	Royal Mantle	n/a	n/a	140mm	72
LIR 'EG'	Liriodendron 'Evergreen Giant'	Evergreen Giant	n/a	n/a	140mm	311
BIORETENTION BASINS*						
*NOTE: The engineer's bioretention basin design is conceptual only. Plant quantities below are subject to change upon detailed design of basins. Densities must conform with those shown below.						
DIE bic	Dielsia bicolor (Density = 4 per m2)	Spanish Iris	n/a	n/a	140mm	398
LIR 'EG'	Liriodendron 'Evergreen Giant' (Density = 4 per m2)	Evergreen Giant	n/a	n/a	140mm	152
MYO par	Myoporum parvifolium (Density = 4 per m2)	Creeping Boobialla	n/a	n/a	140mm	32
TURF						
Turf	CYNODON dactylon 'A' Grade	Green Couch	n/a	n/a	n/a	193 m2

- KEY
- Project boundary.
 - Extent of works.
 - Existing trees to be retained. Protect from damage as specified.
 - New Trees. Refer to Plant Schedule.
 - New Shrubs. Refer to Plant Schedule.
 - New Groundcovers. Refer to Plant Schedule.
 - A-grade turf over 100mm imported topsoil and decompacted subgrade as specified.
 - Subsurface drain to detail G / 04. Connect to stormwater to hydraulic engineers detail.
 - Concrete garden edge - refer to detail E / 04
 - Timber edge to detail E / 04
 - Gravel mulch to detail D / 04



verge Pty Ltd
URBAN LANDSCAPE ARCHITECTURE

PROJECT: PUMA SERVICE STATION GOONYELLA ROAD MORANBAH
JOB NUMBER: 3260

CLIENT: C/- EVANS LONG PTY LTD

DRAWING: LANDSCAPE PLANTING PLAN

DRAWING NUMBER: 3260-03
ISSUE: P2

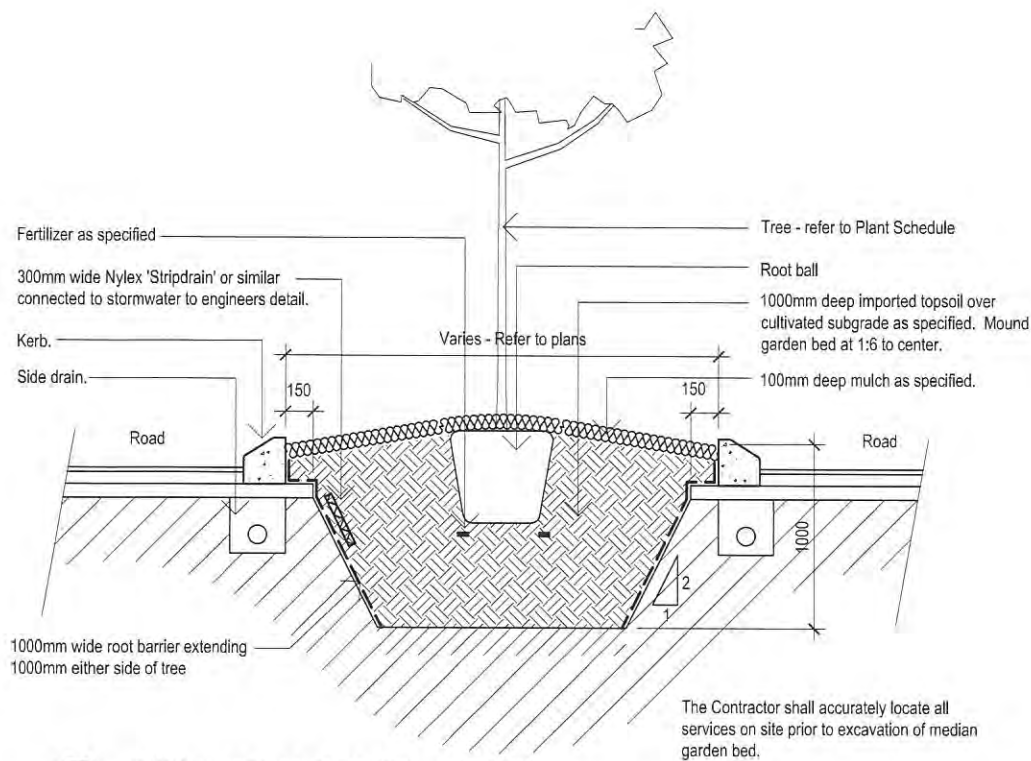
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CHECKED: DR
DATE: 28.08.2014
SCALE: 1:100 @ A1

verge Pty Ltd
URBAN LANDSCAPE ARCHITECTURE
ACN 093 021 848

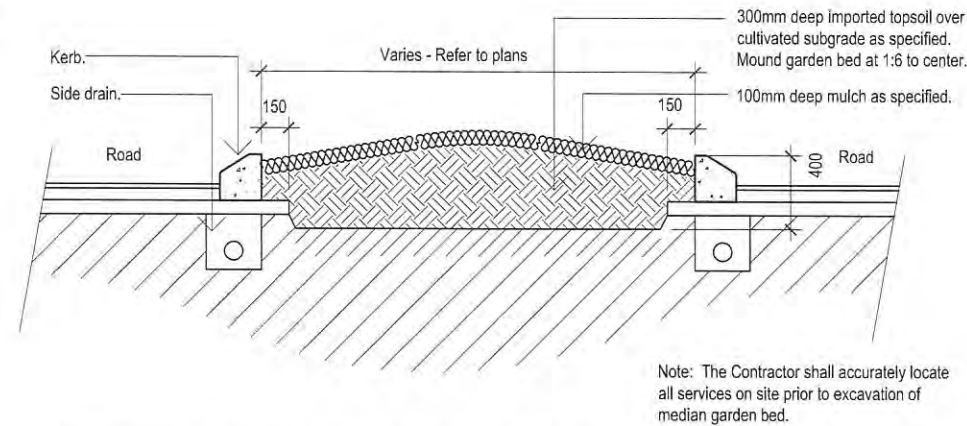
BRISBANE: PO Box 450, STONES CORNER Q 4120, Suite B, 819 Logan Road, GREENSLOPES Q 4120
T 07 347 8755, W verge.com.au, © Copyright

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T 02 6658 6508, W verge.com.au

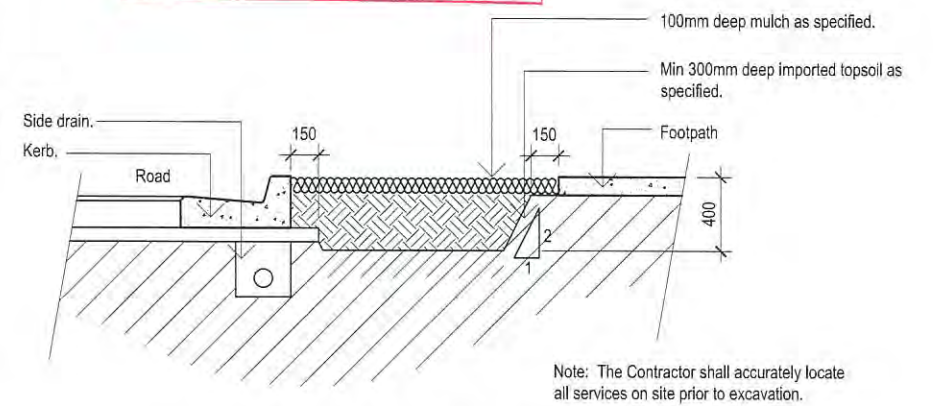
NOTE: Refer to architectural plans for all hardworks



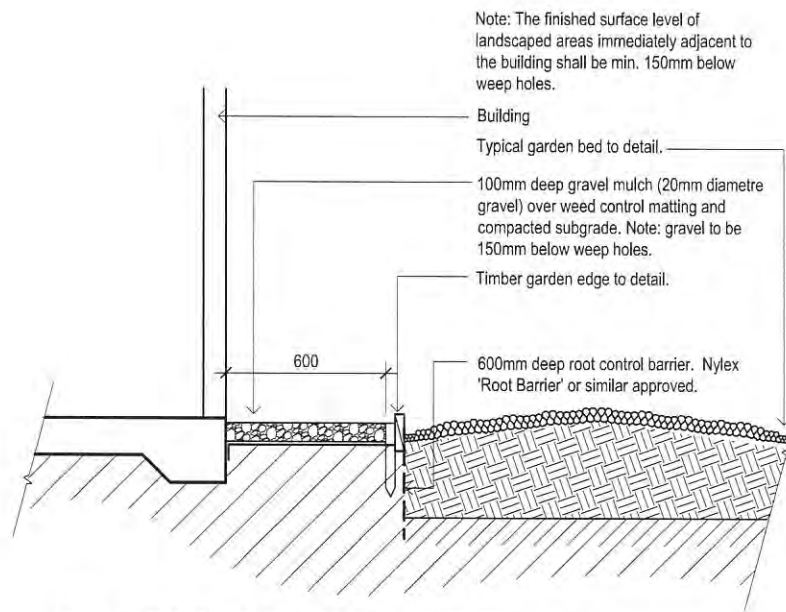
A TYPICAL MEDIAN PLANTING - SECTION
1:20



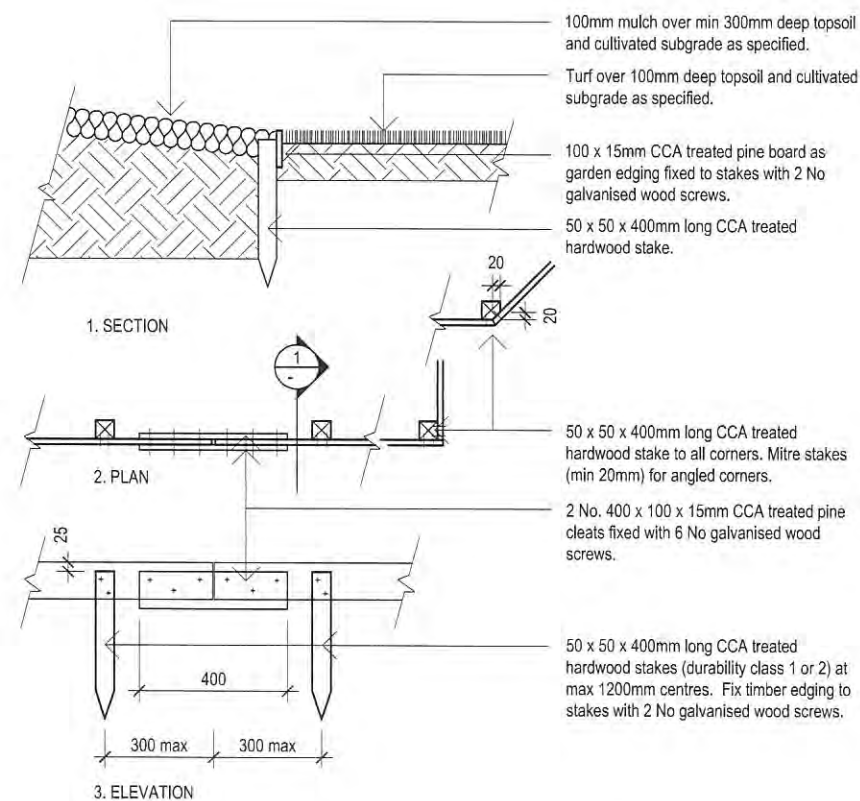
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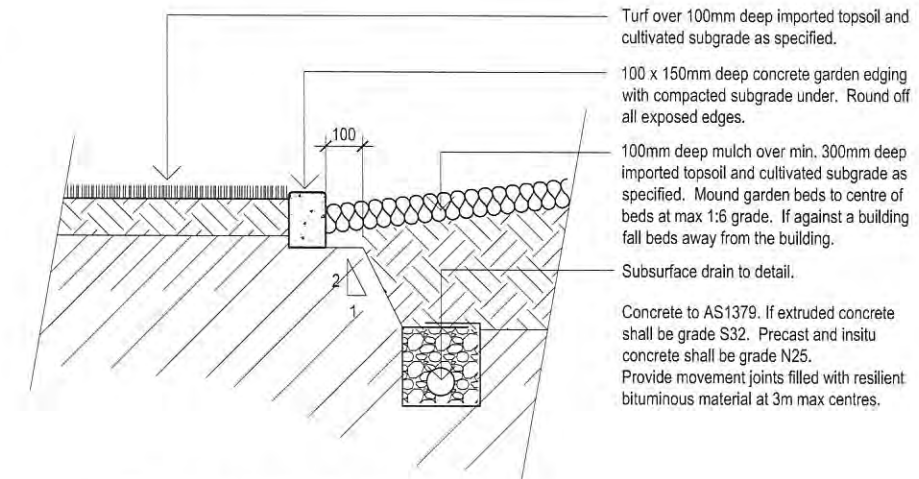
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1:20



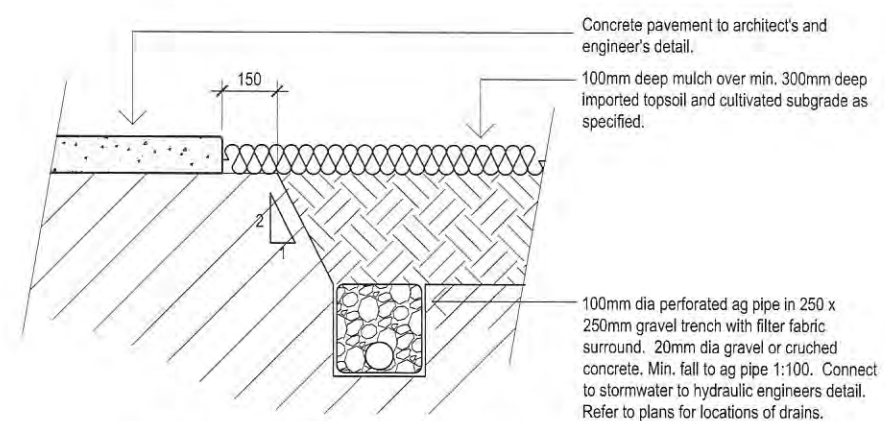
D TYPICAL GRAVEL MULCH - SECTION
1:20



E TIMBER GARDEN EDGE
1:10



F GARDEN EDGE - SECTION
1:10



G TYPICAL SUBSURFACE DRAIN - SECTION
1:10

AMENDMENT		
ISSUE	DATE	DETAILS
P1	11.07.2014	OP WORKS APPROVAL

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

19 NOV 2014

MEDQ

verge pty ltd URBAN LANDSCAPE ARCHITECTURE	
PROJECT	JOB NUMBER
PUMA SERVICE STATION GOONYELLA ROAD MORANBAH	3260
CLIENT	
C/- EVANS LONG PTY LTD	
DRAWING	
LANDSCAPE DETAILS	
DRAWING NUMBER	ISSUE
3260-04	P1
DRAWN:	SK
CHECKED:	DR
DATE:	11.07.2014
SCALE:	AS SHOWN @ A1
verge pty ltd URBAN LANDSCAPE ARCHITECTURE ACN 093 021 846	
BRISBANE PO Box 450 THE CHANNON CORNER Q 4120 Suite B, 619 Logan Road GREENSLOPES Q 4120	NORTHERN RIVERS / LISMORE PO Box 308 THE CHANNON HSN 2480 52 Tarnalia Street THE CHANNON NSW 2480
T 07 3847 8755 W verge.com.au © Copyright	T 02 6688 6501 W verge.com.au

PLOT DATE: 27 Aug. 2014 12:30pm CAD FILE: F:\Jobs\B14\312\Drawings\Civil\B14\312-CSK01.CSK01.dwg

NOTES:- PROPOSED SITE DEVELOPMENT

1. ALL DESIGN AND CONSTRUCTION OF WORKS EXTERNAL TO THE PROPOSED SERVICE STATION SITE, EXCEPT OTHERWISE SHOWN, WHICH ARE NECESSARY TO CREATE THE PROPOSED LOT ARE TO BE UNDERTAKEN BY THE DEVELOPER OF THE OVERALL SUBDIVISION WORKS. SERVICES AND LEVELS INDICATED ON THIS DRAWING ONLY RELATE TO THE PROPOSED SERVICE CENTRE.
2. ALL DETAILS SHOWN ON THIS DRAWING ARE PRELIMINARY ONLY - AND SHALL BE SUBJECT TO DETAIL DESIGN.
3. THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH ALL OTHER RELATED DRAWINGS, REPORTS AND DOCUMENTATION.

LEGEND:

- PROPOSED RETAINING WALL
- PROPOSED EDGE OF PAVEMENT
- █ PROPOSED EARTHWORKS CUT
- █ PROPOSED EARTHWORKS FILL
- FFL 44.50 PROPOSED BUILDING FINISHED FLOOR LEVEL
- RL 44.20+ PROPOSED ROAD LEVELS

LEGEND - LINEWORK (existing)

- S EXISTING SEWER RETICULATION
- EXISTING STORMWATER DRAINLINE
- EXISTING WATER MAIN
- EXISTING ROADWAY KERB / K&C
- EXISTING SURFACE CONTOUR
- EXISTING ELECTRICAL MAINS
- EXISTING OVERHEAD ELECTRICAL
- EXISTING TELSTRA/COMMUNICATIONS MAINS

EXISTING SERVICES

NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE ENGINEER OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL ASCERTAIN THE POSITION OF ALL UNDERGROUND SERVICES PRIOR TO EXCAVATION AND SHALL BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGES CAUSED AS A RESULT OF THE WORKS.

NOTE:

LOCATION OF EXISTING SERVICES & LEVELS ARE BASED ON DETAILED SURVEY PROVIDED BY SKYLINE SURVEYORS DRG NO. 6305DET DATED 04/08/14.

R.P.D.

Lot 902 on SP255609
PROPOSED LOT 28

LEVEL DATUM

A.H.D.

No.	Date	By	Amendment	Checked
B	27.08.14	S.G.	MINOR REVISIONS	
A	23.07.14	S.G.	ORIGINAL ISSUE	



LAMBERT & REHBEIN
ENGINEERS • MANAGERS • SCIENTISTS

CBD HOUSE
LEVEL 3, 120 WICKHAM STREET
FORTITUDE VALLEY QLD 4006
P.O. BOX 112 FORTITUDE VALLEY QLD 4006
A.C.N. 010 451 902

TELEPHONE (07) 3250 9000
FACSIMILE (07) 3250 9001
EMAIL mail@lar.net.au



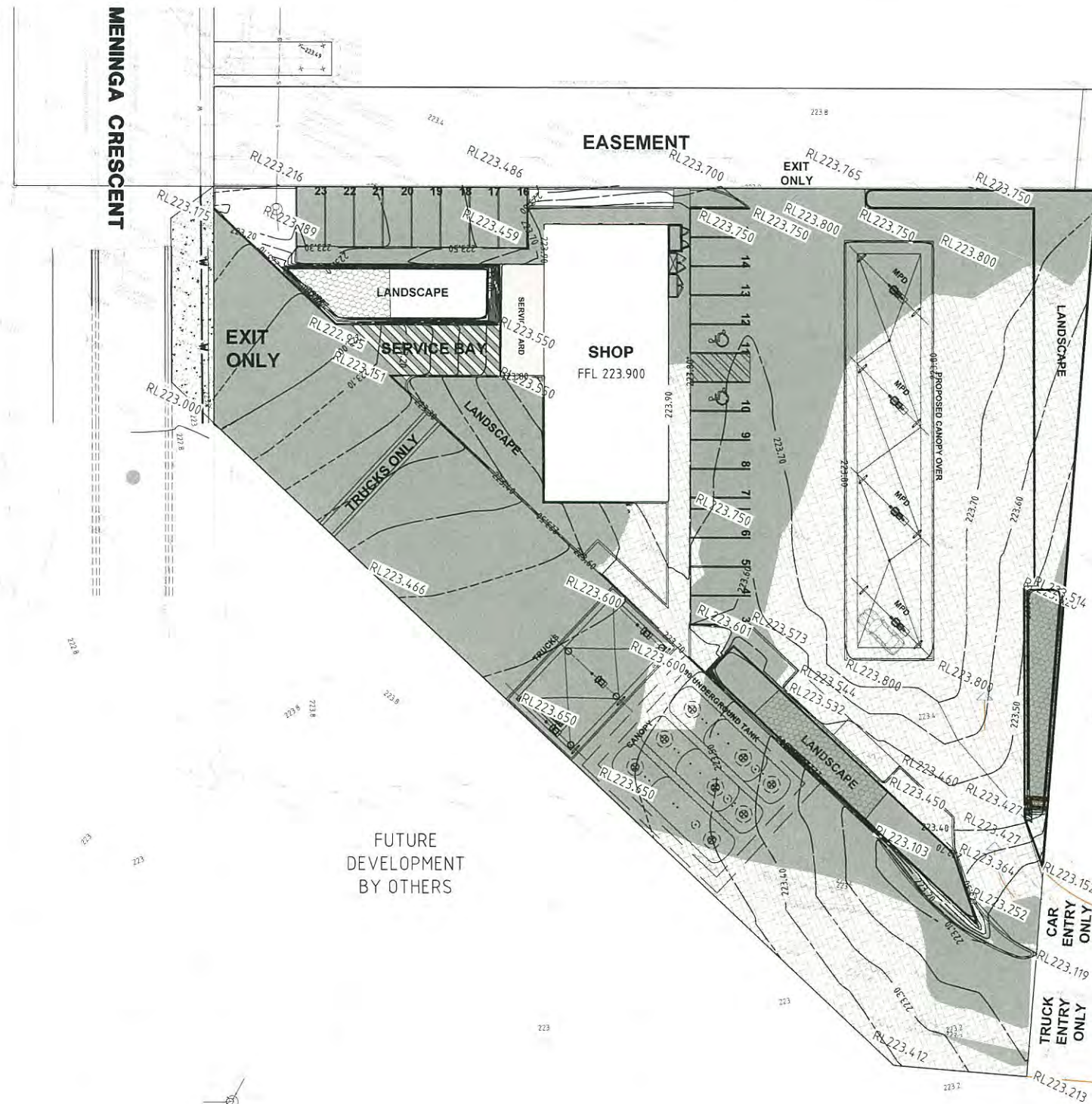
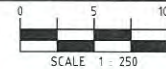
Project: PROPOSED MORANBAH SERVICE STATION
MENINGA CRESCENT,
MORANBAH

Title: CONCEPT BULK EARTHWORKS
LAYOUT PLAN

Client: SP MORANBAH JOINT VENTURE

Draftsperson: S.G.	Checked: D.L.	Sheet Size A1	Drawing No. B14-312-CSK01
Designer: S.G.	Approved: RPEQ No. T. CHAN 4048	Scale: AS SHOWN	Date: JULY 2014

CONCEPT BULK EARTHWORKS LAYOUT PLAN



PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

19 NOV 2014

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**PRELIMINARY
"CONCEPT"
DRAWING ONLY
NOT FOR
CONSTRUCTION**

SEWER CONNECTION
PROVIDE NEW PROPERTY CONNECTION AT
EXISTING MANHOLE APPROX I.L. 221.32m AHD.

WATER MAIN CONNECTION
EXTEND WATERMAIN ALONG FRONTAGE OF SITE
(BY OTHERS)

WATER MAIN CONNECTION
NEW WATER METER, SIZE & ARRANGEMENT SUBJECT TO
HYDRAULIC SERVICES DESIGN.

STORMWATER
TRENCH GRATE TO ALL ENTRY/EXIT POINTS

STORMWATER CONNECTION
CONNECT TO FUTURE MANHOLE, CONSTRUCTED
BY OTHERS, APPROX I.L. 221.65m AHD

EXISTING ROAD TO BE EXTENDED BY OTHERS

CATCHMENT C
PROPOSED BIO-RETENTION BASIN. REFER
STORMWATER MANAGEMENT PLAN B14312CR001
FOR DETAILS. EXACT SIZE TO BE CONFIRMED AT
DETAILED DESIGN STAGE.(MIN. 23m2)

STORMWATER
TRENCH GRATE TO ALL
ENTRY/EXIT POINTS

SHOP ROOF DOWNPIPES
TO CONNECT TO
CATCHMENT C BIO BASIN.

EASEMENT

EXIT
ONLY

NOTE:
LOCATION OF EXISTING SERVICES & LEVELS ARE BASED ON
DETAILED SURVEY PROVIDED BY SKYLINE SURVEYORS DRG NO.
6305DET DATED 04/08/14.

EXISTING SERVICES

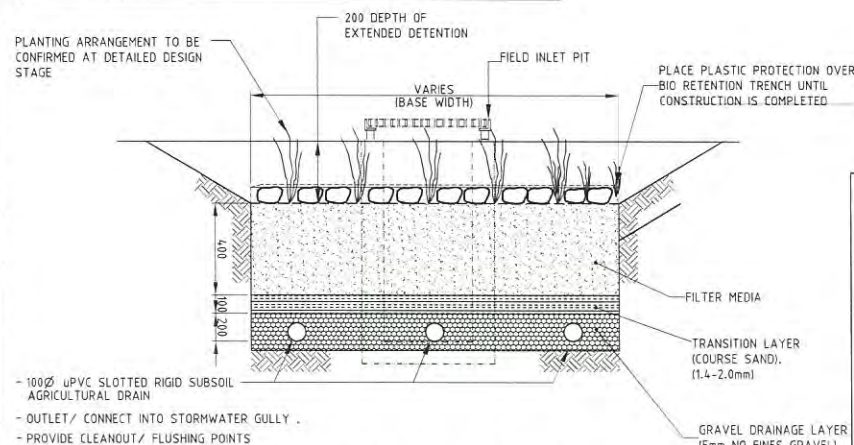
NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT
BE SHOWN ON THESE DRAWINGS, NO RESPONSIBILITY IS TAKEN
BY THE ENGINEER OR THE PRINCIPAL FOR THIS INFORMATION
WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE
PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL
ASCERTAIN THE POSITION OF ALL UNDERGROUND SERVICES PRIOR
TO EXCAVATION AND SHALL BE RESPONSIBLE FOR THE COST OF
REPAIRS TO DAMAGES CAUSED AS A RESULT OF THE WORKS.

LEGEND:

- PROPOSED EDGE OF PAVEMENT
- BUNDED/ISOLATED AREA TO BLIND
SUMP AS PER PUMA REQUIREMENTS
- PROPOSED INTERNAL PAVEMENT
- PROPOSED PUBLIC ROAD
(BY SP MORANBAH JOINT VENTURE)
- PROPOSED STORMWATER DRAINLINE
- PROPOSED SEWER MAIN
- PROPOSED WATER MAIN

LEGEND - LINEWORK (existing)

- EXISTING SEWER RETICULATION
- EXISTING STORMWATER DRAINLINE
- EXISTING WATER MAIN
- EXISTING ROADWAY KERB / K&C
- EXISTING SURFACE CONTOUR
- EXISTING ELECTRICAL MAINS
- EXISTING OVERHEAD ELECTRICAL
- EXISTING TELSTRA/COMMUNICATIONS MAINS



TYPICAL BIO-RETENTION BASIN DETAIL
NOT TO SCALE

BOWSER ROOF DOWNPIPES TO CONNECT
TO PIPED STORMWATER DRAINAGE
SYSTEM AFTER PASSING THROUGH TRASH
RACK WITH MINIMUM 90% GROSS
POLLUTANT REMOVAL.

RESIDENTIAL
DEVELOPMENT
BY OTHERS

CATCHMENT B
PROPOSED BIO-RETENTION BASIN. REFER
STORMWATER MANAGEMENT PLAN B14312CR001
FOR DETAILS. EXACT SIZE TO BE CONFIRMED AT
DETAILED DESIGN STAGE. (MIN. 35.0m2)

CATCHMENT A

PROPOSED BIO-RETENTION BASIN. REFER
STORMWATER MANAGEMENT PLAN B14312CR001
FOR DETAILS. EXACT SIZE TO BE CONFIRMED AT
DETAILED DESIGN STAGE.(MIN. 15.0m2)

STORMWATER
TRENCH GRATE TO ALL
ENTRY/EXIT POINTS

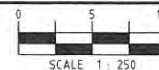
CATCHMENT AREA BREAKDOWN

	CATCHMENT A	CATCHMENT B	CATCHMENT C
SUB CATCHMENT	AREA (Ha)	AREA (Ha)	AREA (Ha)
ROOF	0.000	0.041	0.028
LANDSCAPE	0.020	0.015	0.024
ROADS	0.043	0.154	0.092
TOTAL	0.063	0.213	0.145

EXISTING KERB TO BE DEMOLISHED
& RECONSTRUCTED TO SUIT
TRAFFIC ENGINEER'S REQUIREMENTS

EXISTING GULLY PIT TO BE
RECONSTRUCTED TO SUIT
PROPOSED KERB ALIGNMENT

CONCEPT CIVIL SERVICING LAYOUT PLAN



PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

19 NOV 2014

MEDQ

PRELIMINARY
"CONCEPT"
DRAWING ONLY
NOT FOR
CONSTRUCTION

NOTES:- PROPOSED SITE DEVELOPMENT

- ALL DESIGN AND CONSTRUCTION OF WORKS EXTERNAL TO
THE PROPOSED SERVICE STATION SITE, EXCEPT
OTHERWISE SHOWN, WHICH ARE NECESSARY TO CREATE
THE PROPOSED LOT ARE TO BE UNDERTAKEN BY THE
DEVELOPER OF THE OVERALL SUBDIVISION WORKS.
SERVICES AND LEVELS INDICATED ON THIS DRAWING
ONLY RELATE TO THE PROPOSED SERVICE CENTRE.
- ALL DETAILS SHOWN ON THIS DRAWING ARE PRELIMINARY
ONLY - AND SHALL BE SUBJECT TO DETAIL DESIGN.
- THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH
ALL OTHER RELATED DRAWINGS, REPORTS AND
DOCUMENTATION.



LAMBERT & REHBEIN
ENGINEERS • MANAGERS • SCIENTISTS

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Project PROPOSED MORANBAH SERVICE STATION
MENINGA CRESCENT,
MORANBAH

Title: CONCEPT CIVIL SERVICING LAYOUT PLAN

Client: SP MORANBAH JOINT VENTURE

Draftsperson: S.G.	Checked: D.L.	Sheet Size	Drawing No.
Designer: S.G.	Approved: T. CHAN RPEQ No. 4048	A1	B14312-CSK02
Scale: AS SHOWN	Date: JULY 2014	A	B C