Drawing to be read in conjunction with the following SA Power Networks specification documents.
Please note: It is the responsibility of the Constructor to refer to the most recent standard

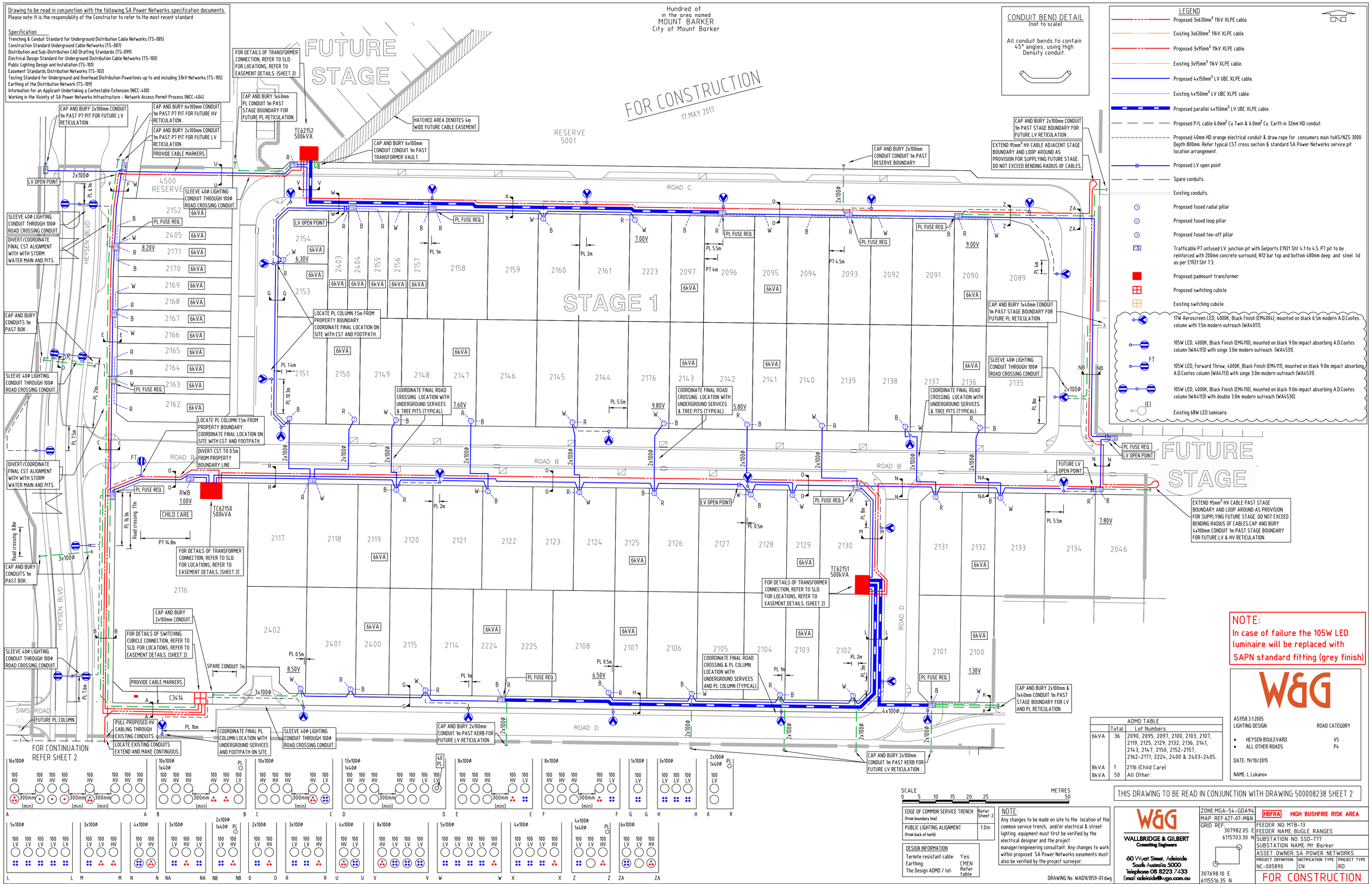
Specification
Trenching & Conduit Standard for Underground Distribution Cable Networks (TS-085)
Construction Standard Underground Cable Networks (TS-087)
Distribution and Sub-Distribution CAD Drafting Standards (TS-099)
Electrical Design Standard for Underground Distribution Cable Networks (TS-100)
Public Lighting Design and Installation (TS-101)
Easement Standards Distribution Networks (TS-102)
Testing Standard for Underground and Overhead Distribution Powerlines up to and including 33kV Networks (TS-105)
Earthing of the Distribution Network (TS-109)
Information for an Applicant Undertaking a Contestable Extension (NICC-400)
Working in the Vicinity of SA Power Networks Infrastructure - Network Access Permit Process (NICC-404)

Hundred of
in the area named
MOUNT BARKER
City of Mount Barker

FOR CONSTRUCTION
17 MAY 2017

CONDUIT BEND DETAIL
(not to scale)
All conduit bends to contain 45° angles, using High Density conduit.

LEGEND
- Proposed 3x630mm² 11kV XLPE cable.
- Existing 3x630mm² 11kV XLPE cable.
- Proposed 3x95mm² 11kV XLPE cable.
- Existing 3x95mm² 11kV XLPE cable.
- Proposed 4x150mm² LV UBC XLPE cable.
- Existing 4x150mm² LV UBC XLPE cable.
- Proposed parallel 4x150mm² LV UBC XLPE cable.
- Proposed P/L cable 6.0mm² Cu Twin & 6.0mm² Cu Earth in 32mm HD conduit.
- Proposed 40mm HD orange electrical conduit & draw rope for consumers main toAS/NZS 3000. Depth 800mm. Refer typical CST cross section & standard SA Power Networks service pit location arrangement.
- Proposed LV open point
- Spare conduits.
- Existing conduits.
- Proposed fused radial pillar
- Proposed fused loop pillar
- Proposed fused tee-off pillar
- Trafficable P7 unfused LV junction pit with Gelports E1921 Sht 4.1 to 4.5. P7 pit to be reinforced with 200mm concrete surround, N12 bar top and bottom 480mm deep and steel lid as per E1921 Sht 7.3.
- Proposed padmount transformer
- Proposed switching cubicle
- Existing switching cubicle
- 17W Aeroscreen LED, 4000K, Black Finish (EM4004), mounted on black 6.5m modern A.D.Cootes column with 1.5m modern outreach (WA4017).
- 105W LED, 4000K, Black Finish (EM4110), mounted on black 9.0m impact absorbing A.D.Cootes column (WA4113) with singe 3.0m modern outreach (WA4531).
- 105W LED, Forward Throw, 4000K, Black Finish (EM4111), mounted on black 9.0m impact absorbing A.D.Cootes column (WA4113) with singe 3.0m modern outreach (WA4531).
- 105W LED, 4000K, Black Finish (EM4110), mounted on black 9.0m impact absorbing A.D.Cootes column (WA4113) with double 3.0m modern outreach (WA4530).
- Existing 68W LED luminaire.



NOTE:
In case of failure the 105W LED luminaire will be replaced with SAPN standard fitting (grey finish)

W&G

AS1158.3.1:2005
LIGHTING DESIGN — ROAD CATEGORY
- HEYSEN BOULEVARD — V5
- ALL OTHER ROADS — P4

DATE: 19/10/2015

NAME: L Lukanov

ADMD TABLE

	Total	Lot Numbers
6kVA	36	2090, 2095, 2097, 2100, 2103, 2107, 2119, 2125, 2129, 2132, 2136, 2141, 2143, 2147, 2150, 2152-2157, 2162-2171, 2224, 2400 & 2403-2405.
8kVA	1	2116 (Child Care)
8kVA	50	All Other.

THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING 500008238 SHEET 2

SCALE 0 5 10 15 20 25 METRES 50

EDGE OF COMMON SERVICE TRENCH (from boundary line)	Refer Sheet 2
PUBLIC LIGHTING ALIGNMENT (from back of kerb)	1.0m

DESIGN INFORMATION
Termite resistant cable: Yes
Earthing: CMEN
The Design ADMD / lot: Refer table

NOTE:
Any changes to be made on site to the location of the common service trench, and/or electrical & street lighting equipment must first be verified by the electrical designer and the project manager/engineering consultant. Any changes to work within proposed SA Power Networks easements must also be verified by the project surveyor.

DRAWING No. WAD161059-01.dwg

W&G
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South Australia 5000
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ZONE: MGA-54-GDA94
MAP REF: 627-07-M&N
GRID REF: 307982.05 E 6115703.30 N
307698.10 E 6115516.35 N

HBFRA HIGH BUSHFIRE RISK AREA

FEEDER NO: MTB-13
FEEDER NAME: BUGLE RANGES
SUBSTATION NO: SSD-777
SUBSTATION NAME: Mt Barker
ASSET OWNER: SA POWER NETWORKS

PROJECT DEFINITION:	NOTIFICATION TYPE	PROJECT TYPE
NC-005890	CN	RD

FOR CONSTRUCTION

REV	DETAILS OF REVISION	RVD	CKD	APD	DATE	REV	DETAILS OF REVISION	RVD	CKD	APD	DATE	REV	DETAILS OF REVISION	RVD	CKD	APD	DATE
E	FOR CONSTRUCTION	W&G	NU	AI	05.04.17												
D	PRELIMINARY ISSUE - SAPN COMMENTS INCORPORATED & LOTS UPDATED	W&G	NU	AI	31.03.17												
C	PRELIMINARY ISSUE - SAPN COMMENTS INCORPORATED	W&G	NU	AI	07.03.17												
B	PRELIMINARY ISSUE	W&G	NU	AI	28.11.16												
A	PRELIMINARY ISSUE - FOR COORDINATION ONLY	W&G	NU	AI	07.11.16	F	FOR CONSTRUCTION - REVISIONS AS CLOUDED & TF NUMBERS ADDED	WGA	NU	AI	17.05.17						

DRAWN	L Lukanov	04-11-16
DESIGNED	L Lukanov	03-11-16
CHECKED	N Uebergang	04-11-16
PROJECT MANAGER	D Summerfield ST MARYS (08) 8275 0973	04-04-17

Head Office:
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Corporate switchboard
08 8404 5667
(9.00am - 5.00pm
Monday to Friday)

SA Power Networks
www.sapowernetworks.com.au

BLEFARI - ASTON HILLS, MT BARKER STAGE 1
PROPOSED UNDERGROUND RESIDENTIAL DEVELOPMENT
DEV. No. 580/D039/15

SCALE			SHEET 1 OF 2	REV
1:500	A1	500008238		F