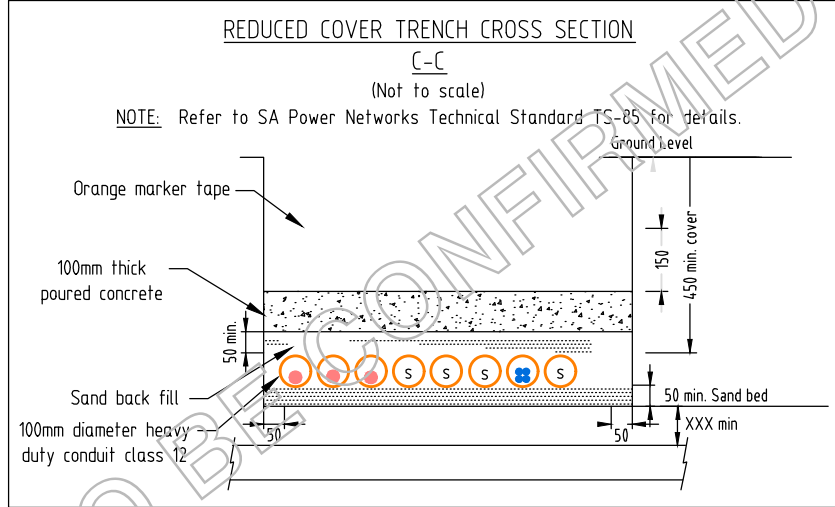
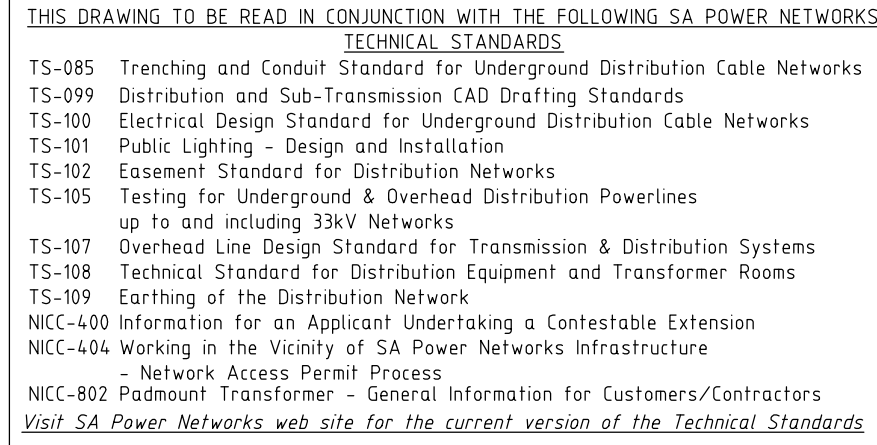


FOR CONDUIT BEND DETAIL REFER
SA POWER NETWORKS TS-085
TABLE 8 & 9. USE SOLID WALL
CONDUIT BEND AS PER TS-085

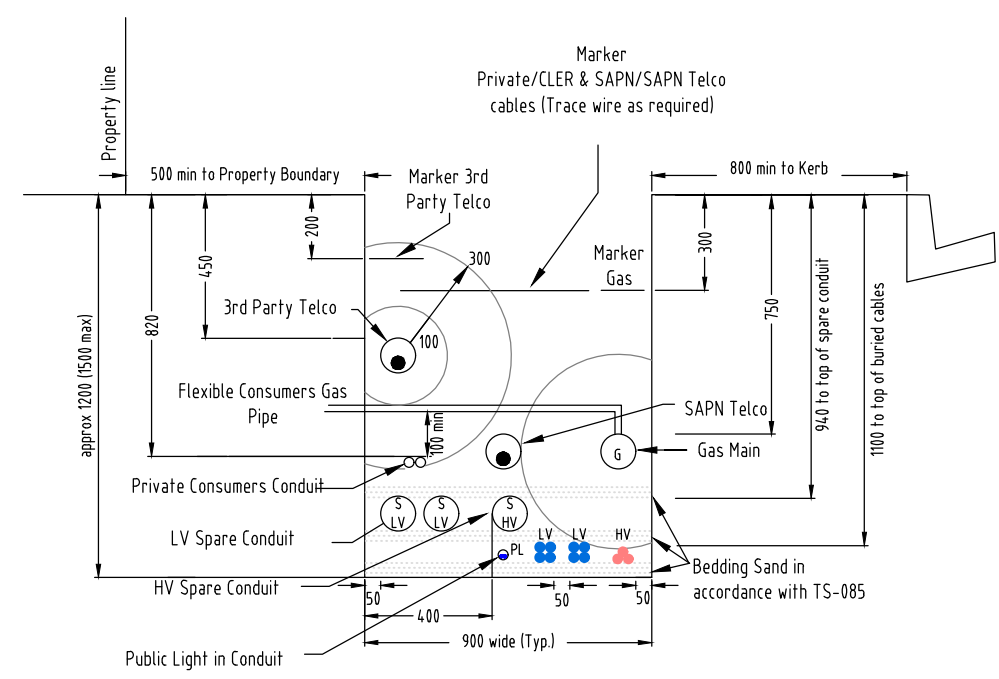


Hundred of Munno Para
in the area named
ANGLE VALE
City Of Playford



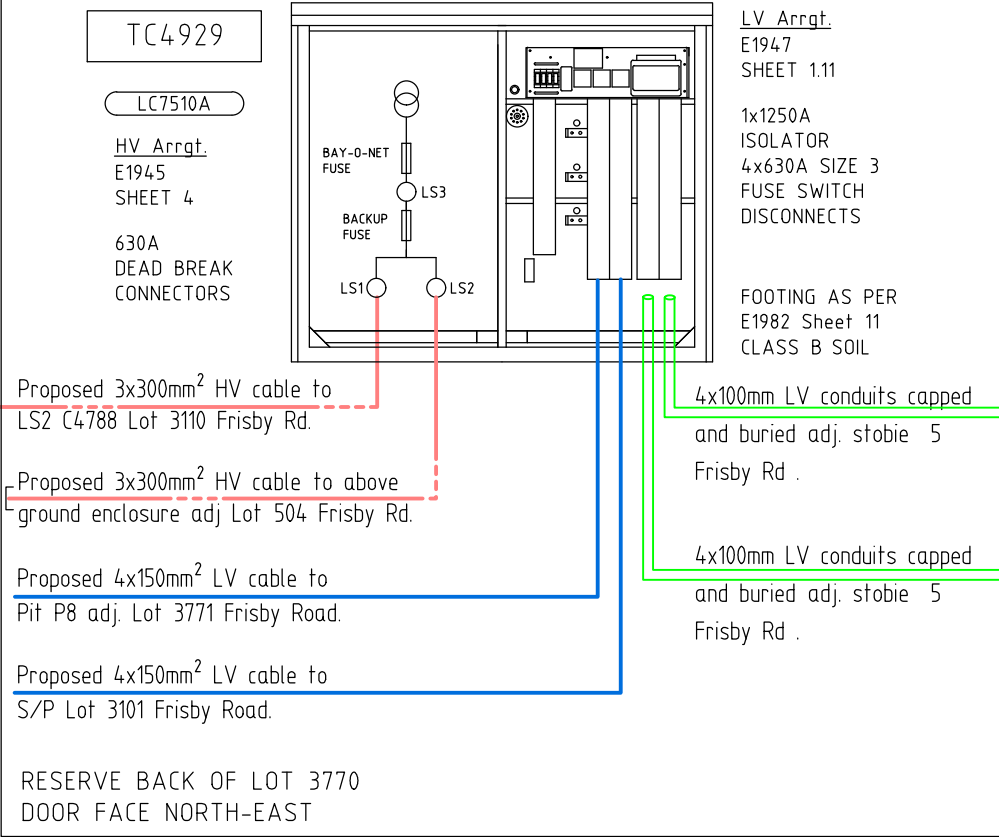
TYPICAL COMMON SERVICE TRENCH CROSS SECTION

NOTE: Refer to SA Power Networks Technical Standard TS-85



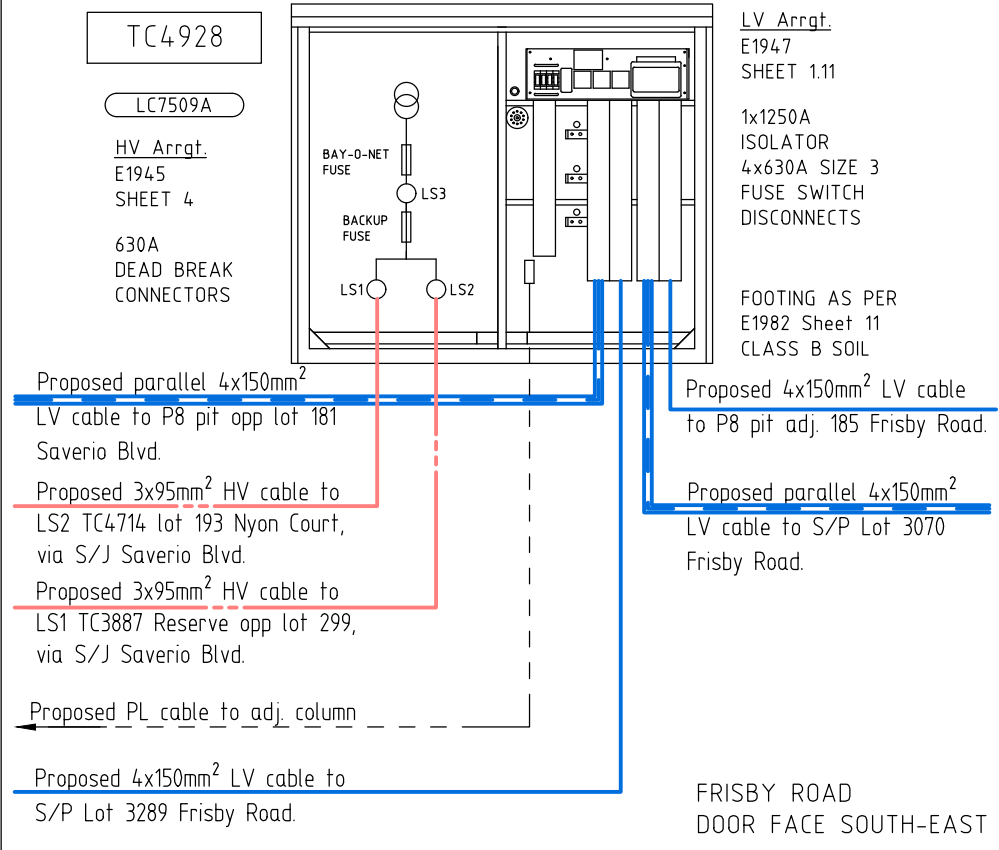
S.L.D. OF PROPOSED 11/0.4kV 500kVA LOOP Mk7 PADMOUNT TRANSFORMER

TC4929 - (LC7510A) - OIL CONTAINMENT TF
RESERVE ADJ LOT 3770

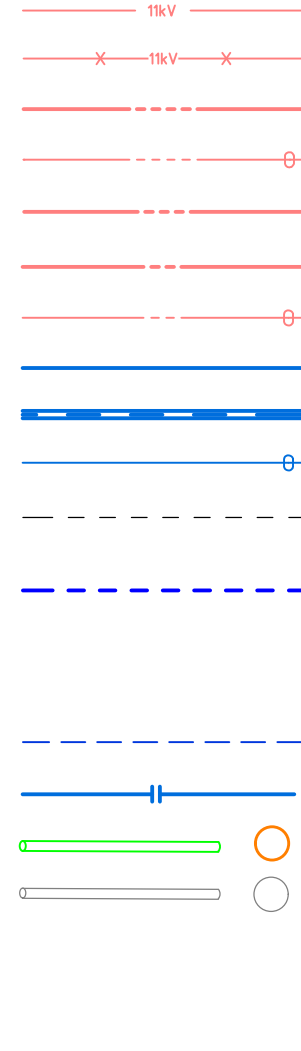


S.L.D. OF PROPOSED 11/0.4kV 315kVA LOOP Mk7 PADMOUNT TRANSFORMER

TC4928 - (LC7509A) - OIL CONTAINMENT TF
RESERVE FRISBY ROAD ADJ LOT 183



LEGEND



EXISTING 11KV OVERHEAD MAINS

PROPOSED 1KV OVERHEAD MAINS TO BE REMOVED

EXISTING 3x630mm² 1KV XLPE CABLE ((K6039)

EXISTING 630mm² 1KV CABLE

EXISTING 3x300mm² 1KV XLPE CABLE ((K6025)

PROPOSED 3x55mm² 1KV XLPE CABLE ((K6060)

EXISTING 95mm² 1KV CABLE

PROPOSED 150mm² LV LVC XLPE CABLE ((K5330)

PROPOSED PARALLEL 150mm² LV LVC XLPE CABLE ((K5330)

EXISTING 150mm² LV CABLE

PROPOSED PUBLIC LIGHTING CABLE 6mm² TWIN & 40mm CONDUIT

PROPOSED 40mm HD ORANGE ELECTRICAL CONDUIT CONSUMERS MAIN TO AS/A25 3000 DEPTH 800mm

EXIST CROSS SECTION & STANDARD SA POWER NET LOCATION ARRANGEMENT


















USE 50mm HD ORANGE ELECTRICAL CONDUIT FOR

EXISTING CONSUMERS MAIN

PROPOSED 1LV UNDERGROUND OPEN POINT

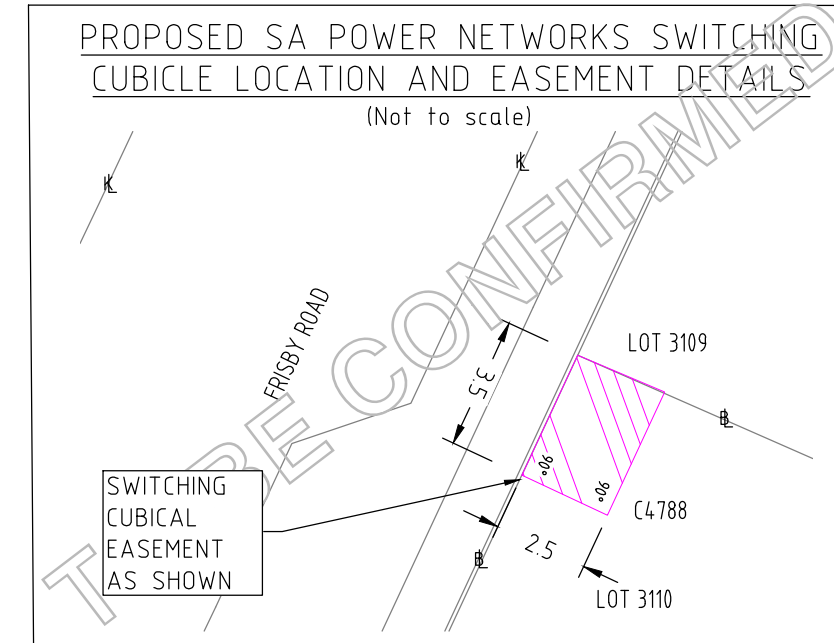
PROPOSED SPARE CONDUITS

EXISTING SPARE CONDUITS

	PROPOSED P8 FUSED LV JUNCTION PIT ARRGT.CGF1 (E9121 SH-4) CONCRETE SURROUNDING SIMILAR TO TRAFFICABLE P7 PIT
	PROPOSED P8 FUSED LV JUNCTION PIT ARRGT.CGF2 (E9121 SH-4) CONCRETE SURROUNDING SIMILAR TO TRAFFICABLE P7 PIT
	TRAFFICABLE P7 FUSED LV JUNCTION PIT PIT TO BE REINFORCED WITH 200mm (CONCRETE SURROUNDING) NO BAR TOP AND BOTTOM 400mm DEEP AS PER E9121 SHT. 7.3
	EXISTING JUNCTION PIT.
	PROPOSED FUSED RADIAL PILLAR.
	PROPOSED FUSED LOOP PILLAR.
	PROPOSED FUSED-T/OFF PILLAR.
	EXISTING SERVICE PILLAR.
	PROPOSED PADMOUNT TRANSFORMER.
	PROPOSED SWITCHING CUBICLE.
	PROPOSED HV CABLE JOINT.
	EXISTING STOBIE POLE TO BE REMOVED.
	PROPOSED STOBIE POLE.
	24W STREETLED AEROGREEN LED, 4000K, BLACK FINISH (EM4025) EQUIPPED WITH 10A NEMA PHOTO CELL, MOUNTED ON BLACK 6.5m MODERN COLUMN WITH 15m DECORATIVE MODERN OUTREACH (W4A017).
	80W ROADLED MID I AEROGREEN, 4000K, BLACK FINISH (EM4117) EQUIPPED WITH 10A NEMA PHOTO CELL, MOUNTED ON BLACK 9.0m IMPACT ABSORBING COLUMN (W4A113) WITH SINGLE 3.0m MODERN OUTREACH (W4A530).
	80W ROADLED MID I AEROGREEN, 4000K, BLACK FINISH (XXXXXX) EQUIPPED WITH 10A NEMA PHOTO CELL, MOUNTED ON BLACK 9.0m IMPACT ABSORBING COLUMN (W4A113) WITH DOUBLE 3.0m MODERN OUTREACH (W4A530).
	EXISTING LED LUMINAIRE

NOTES:

- Developer responsible for trenching in accordance with SA Power Networks trenching & conduit standard TS-085. Construction to be in accordance with SA Power Networks technical standards and SA Power Networks 'E' drawings.
- Cables to be laid in 1x100mm dia. LD (low duty) orange conduit at all road crossings unless otherwise stated. Road crossing conduits for radial (type) services are to extend to the boundary line of the property and be fully continuous. Other road crossings to extend 900mm beyond kerb.
- The conduit for a radial low voltage road crossing installation needs to be continuous (fully conducted) as per E1904, Sheet 4, with conduit between pillars installed in such a way that it will facilitate quick cable replacement. If this is achieved a spare conduit is not required.
- Spare conduits for LV cables are to be inserted to approximately 25mm and capped within P7 pits. HV spares are to be diverted around pits, as per TS-085.
- For NBN Developments, install the CST Road Crossing 90° to the allotment boundary.
- Cables to have 1000mm minimum cover.
- Cables through easements to be installed in conduit with spare and marker tape as per TS-085. Cable markers are to be installed in cable easement as per TS-085 Appendix A.
- Any existing underground services shown on these drawings are indicative only, no claim is made that the existing services shown are accurate or complete. Other services may be present which shall be the contractor's responsibility to locate and depth prior to any construction works. Any cable system and equipment must be treated as energised unless otherwise confirmed by SA Power Networks.
- Phasing of consumer connections as shown.
- Public lighting to be all-night burning
- Number of allotments - 54 lots = 324kVA total (refer table).
- Number of public lights - 20 x 80W & 1 x 24W LED (TI Tariff).
- Developer - Lanser Communities.
- Consulting Engineer - Kellogg Brown & Root Pty Ltd.
- Surveyor - Alexander Symonds Pty Ltd.
- Due to the schematic nature of the drawing, the position of equipment shown is indicative only. Actual locations should be verified on site.
- Retaining walls are required around transformer and switching cubicle easements where the final level changes by more than 300mm in the 2.0m adjacent the easement. The walls are to be built prior to installation of the transformer or switching cubicle and are to be located on the easement. Refer to TS-085, TS-10 and TS-102.
- All walls, fences, ceilings and floors within 12m of the padmount transformer station shall have a 3 hour fire rating as determined by the Building Code of Australia.
- SA Power Networks is responsible for the connection and energisation of the stage.
- Contractor to ensure Hydro Vacuum Excavation maximum working pressure is limited to 2000psi as per TS-085. Any proposed excavation methods adjacent SA Power Networks infrastructure should be in accordance with NCC-404, Network Access Permits (INAP) required for works on and/or around SA Power Networks exclusion and/or restricted zones as per NCC-404, section 9.1 - figures 1.2 and 3.
- Contractor to provide as constructed drawings to SA Power Networks for approval prior to practical completion. Changes can be made by design consultant for hourly rate charge or AutoCAD format drawings can be purchased from consultant for revision by contractor.
- Construction by -
'As Constructed' details provided by -
WGA is not responsible for the accuracy of the 'As Constructed' details provided



THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING 500042215 SHEET 1

EDGE OF COMMON SERVICE TRENCH (from boundary line)	
PUBLIC LIGHTING ALIGNMENT (from back of kerb)	
DESIGN INFORMATION	
Termite resistant cable:	YES
Earthing:	CMEN
The Design ADMD / lot:	6kVA


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.

WGA
WALLBRIDGE GILBERT
AZTEC

60 Wyatt Street, Adelaide
South Australia 5000
Telephone 08 8223 7433
Email adelaide@wga.com.au
WGA Project No. WGA189172

SURVEYORS NAME: Alexander Symonds	MAP REF: 6628-19-b	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> NBFR </div> NON BUSHFIRE RISK AREA	
SURVEY DATE: CO-ORDINATE DATUM TGA: MGA-SG-GR44	GRID REF: 28514 E 6162966 N	FEEDER NO:EL-17 FEEDER NAME:CURTIS RD 11kV SUBSTATION NO:SSD-273 SUB NAME:ANGLE VALE	
GROUND SCALE		ASSET OWNER SA POWER NETWORKS PROJECT DEFINITION NOTIFICATION TYPE PROJECT TYPE NC-2392 CN RD	
HORIZ	<div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto; position: relative;"> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%);"> </div> </div>		
VERT:			
	284673S 6162658 N	FOR CONSTRUCTION	

E	FOR CONSTRUCTION	WGA	LL			27.03.25												DRAWN	L LUKANOV	09-05-24	Head Office 1 Anzac Highway Kewwick South Australia 5035	
D	FOR CONSTRUCTION	WGA	LL		DLK	21.02.25												CHECKED	D PASHOV	09-05-24	Postal address: GPO Box 177 Adelaide South Australia 5001	
C	PRELIMINARY ISSUE	WGA	LL			30.10.24												INSPECTED				
B	PRELIMINARY ISSUE	WGA	LL			19.07.24																
A	PRELIMINARY ISSUE - FOR COORDINATION ONLY	WGA	LL			11.05.24	F	FOR CONSTRUCTION - HV O/H REMOVAL EXTENSION		WGA	LL		DLK	19.08.25								
REV	DETAILS OF REVISION	RVD	CKD	INSP	APD	DATE	REV	DETAILS OF REVISION		RVD	CKD	INSP	APD	DATE	REV	DETAILS OF REVISION		RVD	CKD	INSP	APD	DATE
																		APPROVED	D LYELL-KAAHO	19-02-25	Corporate switchboard 08 8406 5667 19:00am - 5:00pm Monday to Friday ABN: 13 332 330 749	



MIRAVALE - STAGE 10B
UNDERGROUND RESIDENTIAL DEVELOPMENT
DEV. No. 292/D068/17

SCALE
1:500

A1

500042215

SHEET 2 OF 2

REV