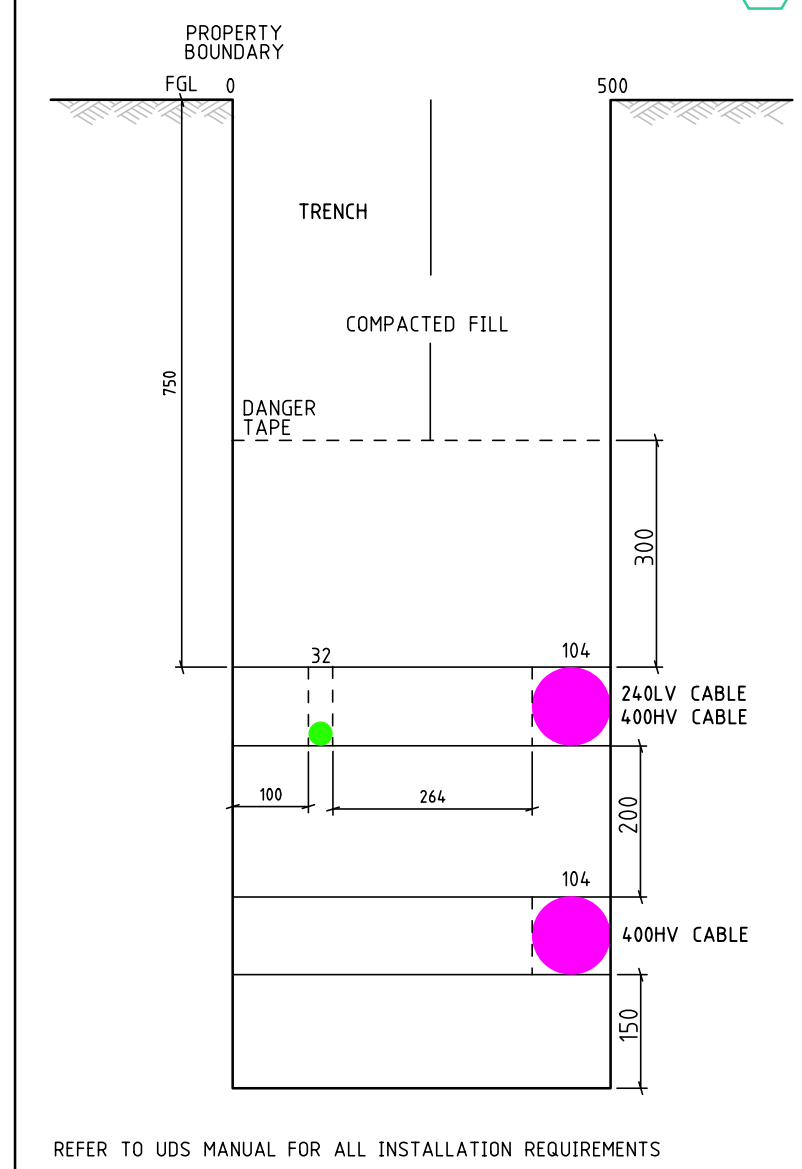


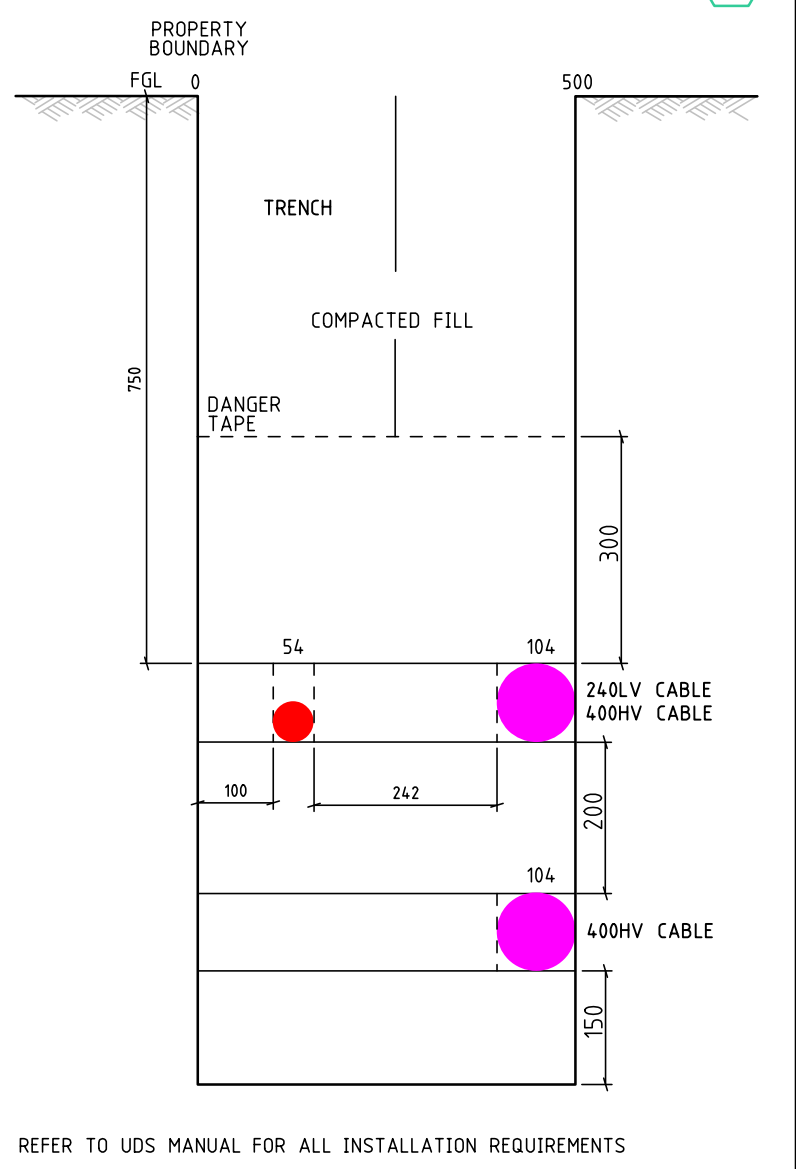
SAFETY - MAKE IT YOUR PRIMARY VALUE

CABLE STACKING DETAIL



REFER TO UDS MANUAL FOR ALL INSTALLATION REQUIREMENTS

CABLE STACKING DETAIL

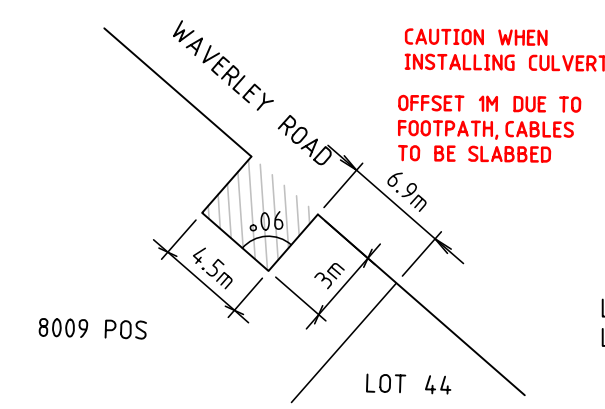


REFER TO UDS MANUAL FOR ALL INSTALLATION REQUIREMENTS

DETAIL A
LAND REQUIREMENTS
NOT TO SCALE

NOTE: ALL FOOTINGS & RETAINING WALLS TO BE BUILT OUTSIDE WP SITE

METALLIC FENCE EXEMPTION YES OR NO



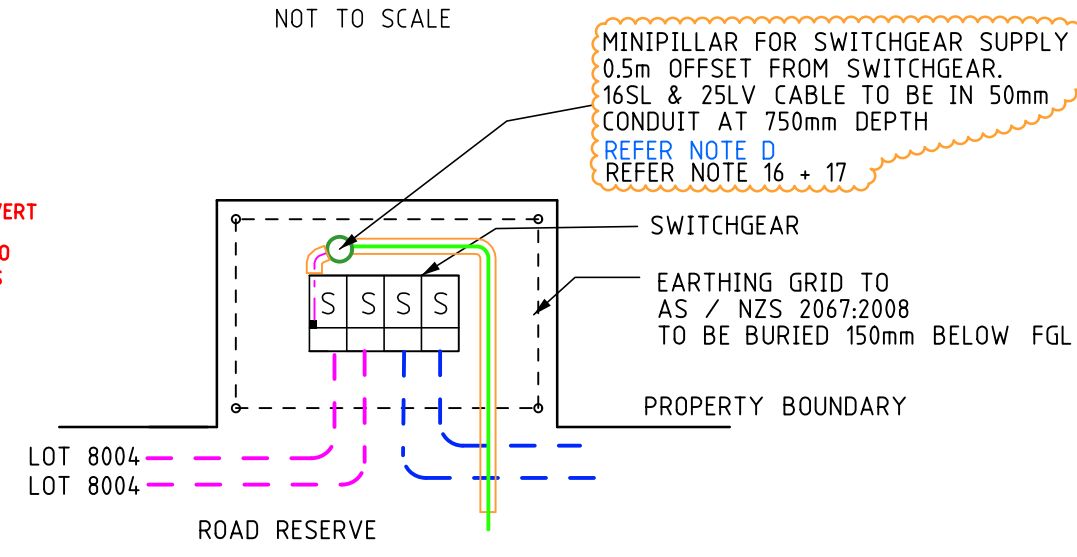
STANDARD SWGR ONLY SITE ie. NO TX (PRESENT OR FUTURE)

EARTH ROD RESISTANCE OF < 10 OHMS REQUIRED (PER ROD) REQUIRED TO MEET HAZARDOUS VOLTAGE LIMITS (STD WP EARTHING FAQ). IF NOT ACHIEVABLE, CONTACT UPD FOR FURTHER INSTRUCTIONS.

REFER TO WESTERN POWER STANDARD DRAWINGS DSPM-3-27 AND DSPM-4-04 FOR LAND REQUIREMENTS & INSTALLATION DETAILS.

PARAMETER	REDUCED LEVEL (m)
SUBSTATION SITE	
VERGE LEVEL AT THE FRONT OF WP SITE	
1:100 YEAR ARI FLOOD LEVEL	
GROUNDWATER	

22kV SUBSTATION DETAIL WITH HV SWITCHGEAR
NOT TO SCALE

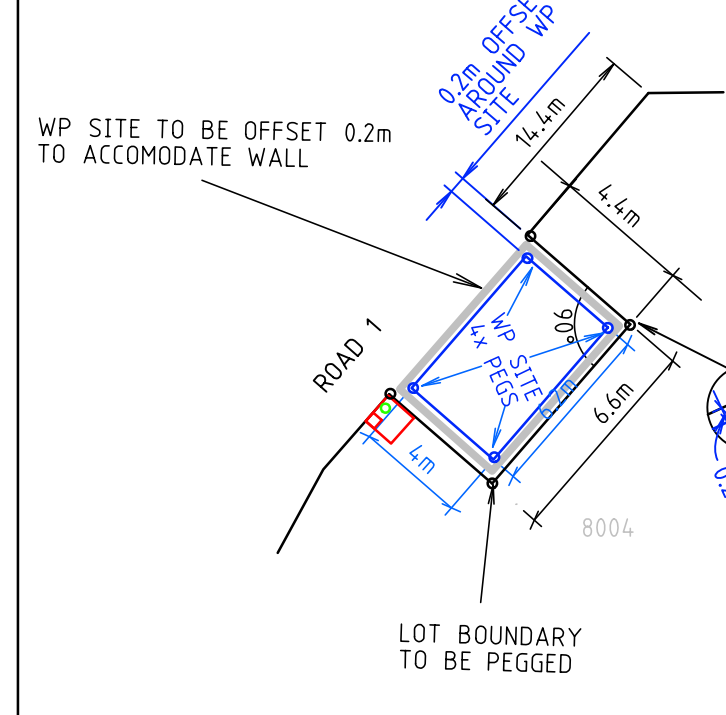


NOTE TO CABLE CONTRACTOR
EARTH RODS TO BE INSTALLED AS PER LATEST DSPM & DDC MANUALS.

DETAIL B
LAND REQUIREMENTS
NOT TO SCALE

METALLIC FENCE EXCLUSION ZONE XXm

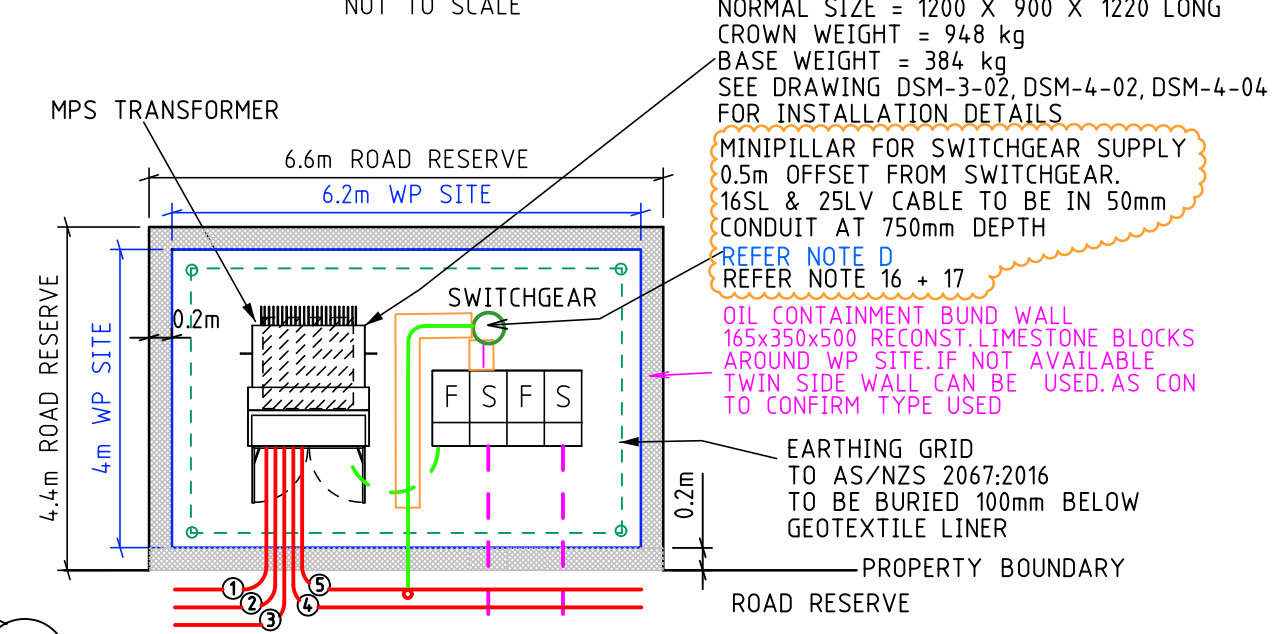
IF THERE IS AN OPEN DRAIN IN FRONT OF THE WP SITE A DRIVEWAY CROSSING/CULVERT WILL BE REQUIRED BY THE CIVIL ENGINEER. DRIVEWAY TO BE ABLE TO SUPPORT ST VEHICLES



GRID IMPEDANCE OF < 1 OHM COMBINED WITH M.E.N. REQUIRED TO MEET HAZARDOUS VOLTAGE LIMITS (STD WP EARTHING FAQ). IF NOT ACHIEVABLE, CONTACT UPD FOR FURTHER INSTRUCTIONS.

FOR LAND REQUIREMENTS & INSTALLATION DETAILS - REFER TO WESTERN POWER DISTRIBUTION PLANT SUBSTATION MANUAL LATEST ISSUE ALL CHAPTERS <https://westernpower.com.au/industry/manuals-guides-standards/distribution-plant-substation-manual/>

22kV SUBSTATION DETAIL WITH MPS TRANSFORMER, AND HV SWITCHGEAR
NOT TO SCALE

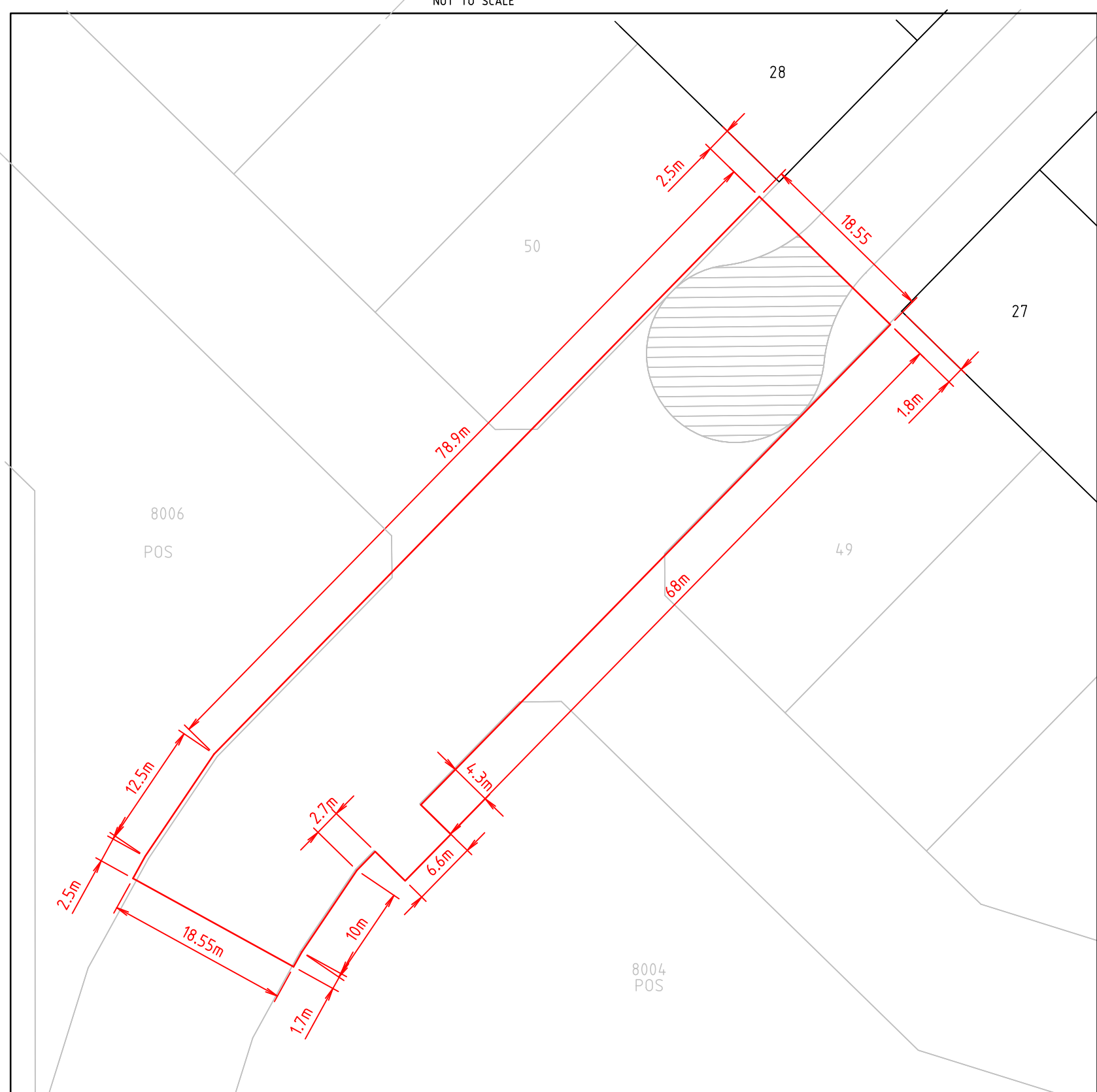


SEE LATEST WP MANUALS FOR INSTALLATION DETAILS AND OIL CONTAINMENT

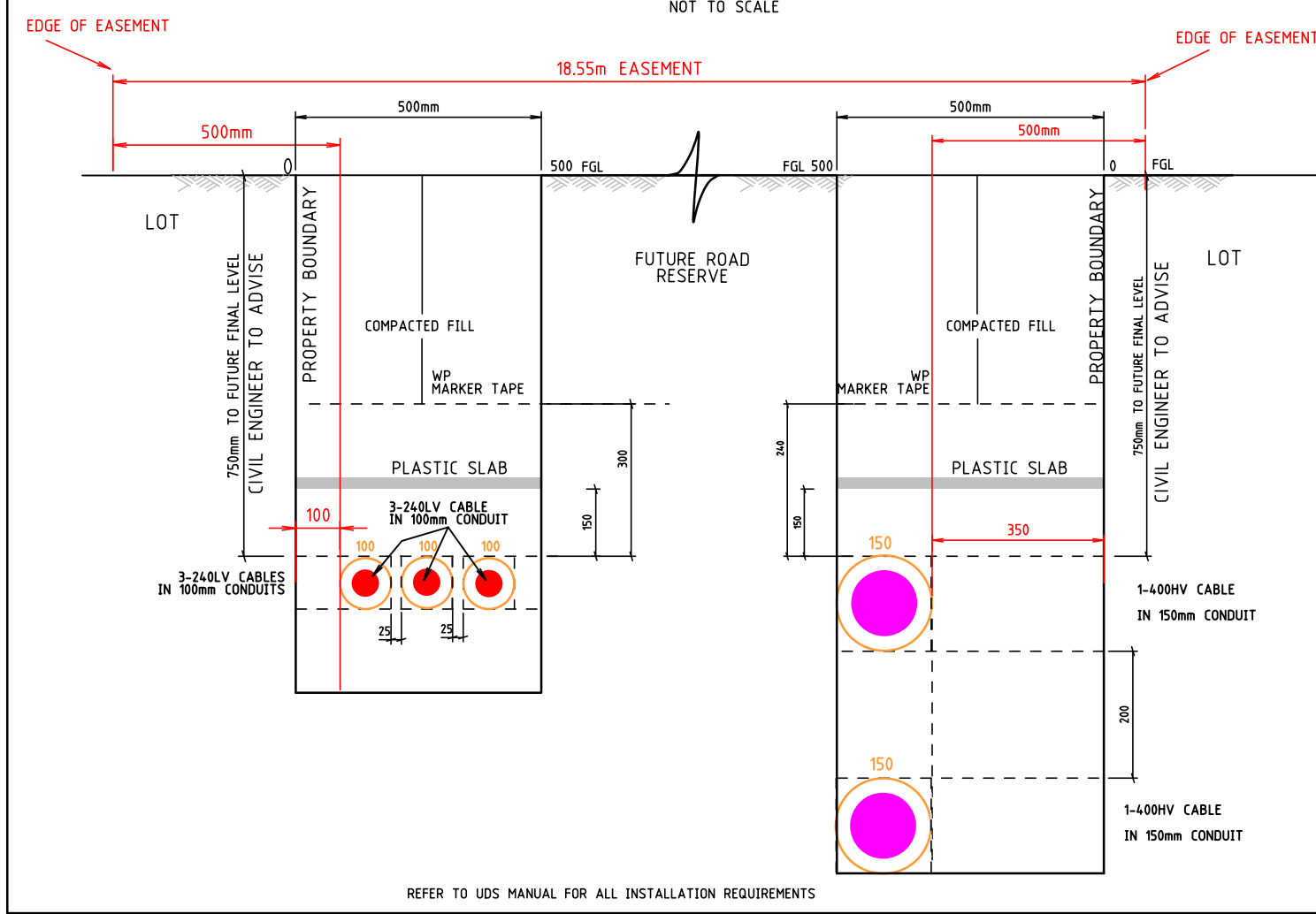
PARAMETER	REDUCED LEVEL (m)
SUBSTATION SITE	
VERGE LEVEL AT THE FRONT OF WP SITE	
1:100 YEAR ARI FLOOD LEVEL	
GROUNDWATER	

NOTE TO CABLE CONTRACTOR
EARTH RODS TO BE INSTALLED AS PER LATEST DSPM & DDC MANUALS.

CABLE EASEMENT DETAIL C
NOT TO SCALE

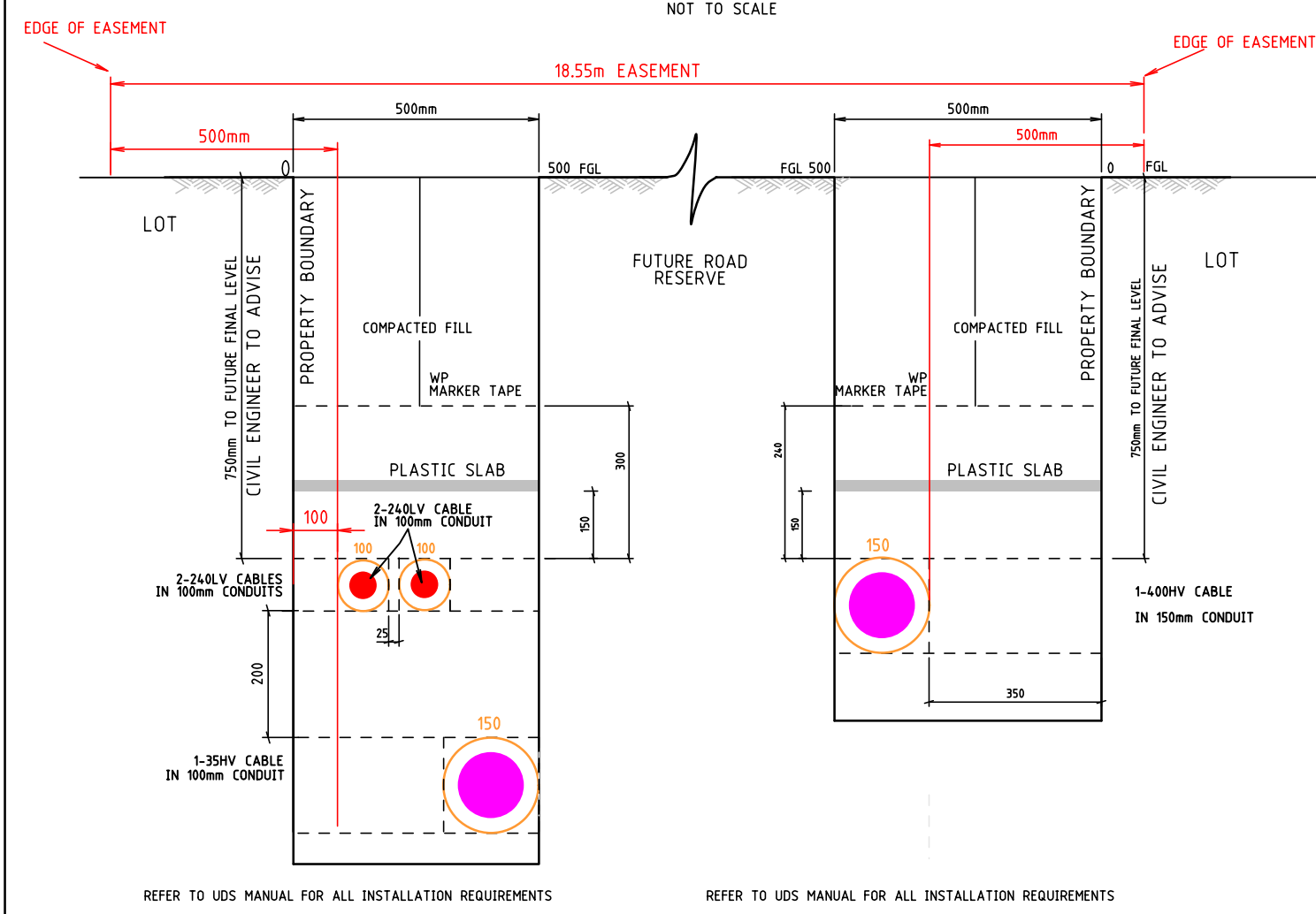


TEMPORARY EASEMENT SECTION A' - A
NOT TO SCALE



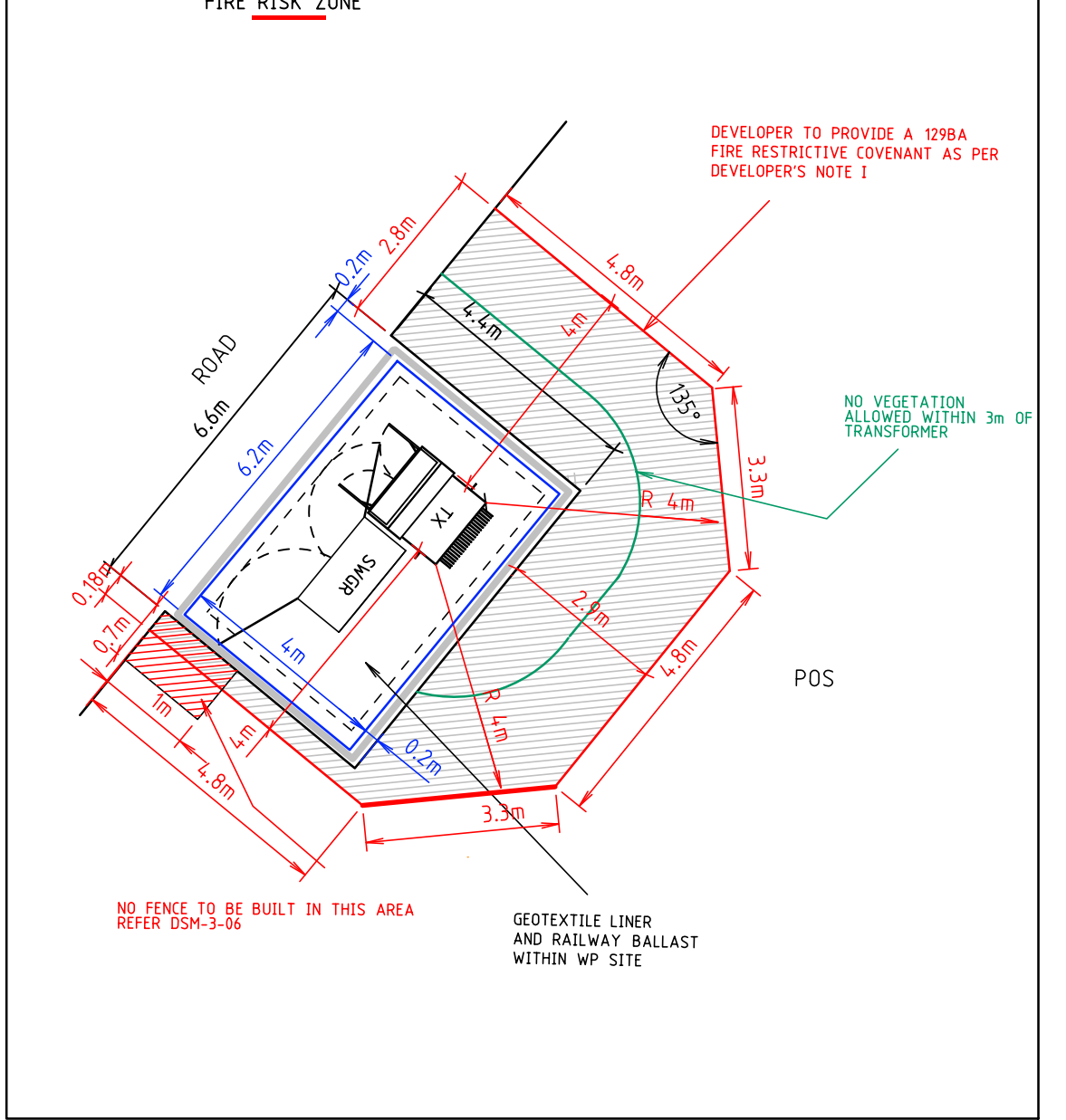
REFER TO UDS MANUAL FOR ALL INSTALLATION REQUIREMENTS

TEMPORARY EASEMENT SECTION B' - B
NOT TO SCALE



REFER TO UDS MANUAL FOR ALL INSTALLATION REQUIREMENTS

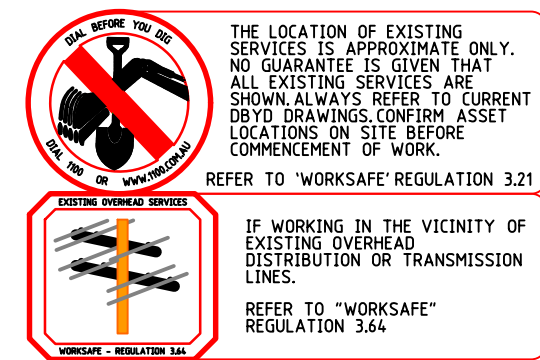
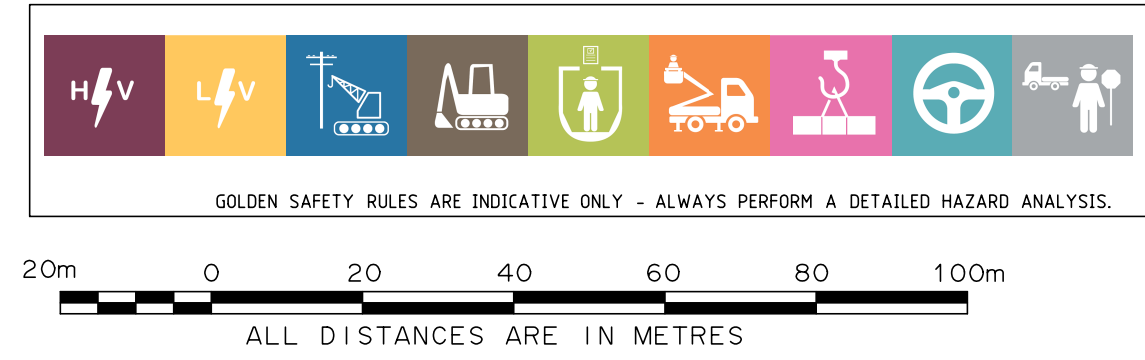
DETAIL BB - FIRE RISK ZONE
NOT TO SCALE



REV	DESCRIPTION	DATE	DRAWN	CHKD	SENT WP	DCR WP
C	EASEMENT DETAIL ADDED + UPDATED STREET LIGHT TYPE	03-04-25	KH	ML	-	-
B	PILLAR ADDED FOR COMMS CABINET	25-03-25	KH	ML	-	-
A	DRAFT ISSUED TO CLIENT FOR COMMENT	06-02-25	MF	ML	-	-

GEO REFERENCE 33° 51' 18"S, 115° 06' 38"E

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LOT 500 WIRING RD - STAGE 1
COWARAMUP

44 RESIDENTIAL LOTS
UNDERGROUND POWER DISTRIBUTION

DESIGNER	DRAWN	SCALE	Western Power Reference No	Drawing No	Revision
ML	NER ENGINEER	1:1000	SS012084	UPD10068-01	C

