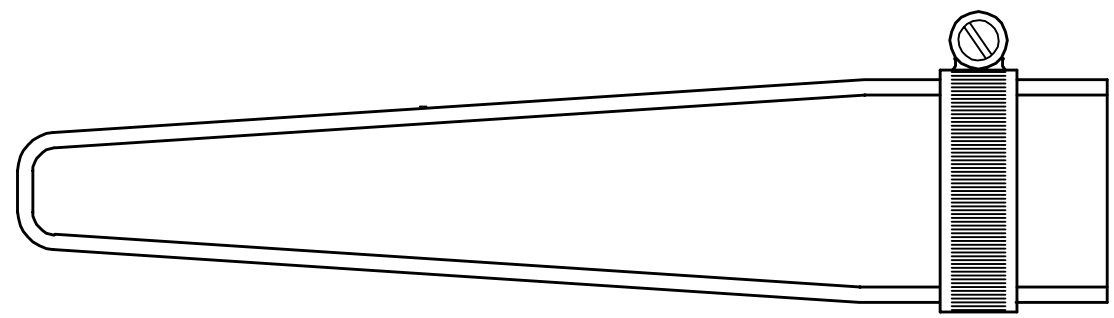


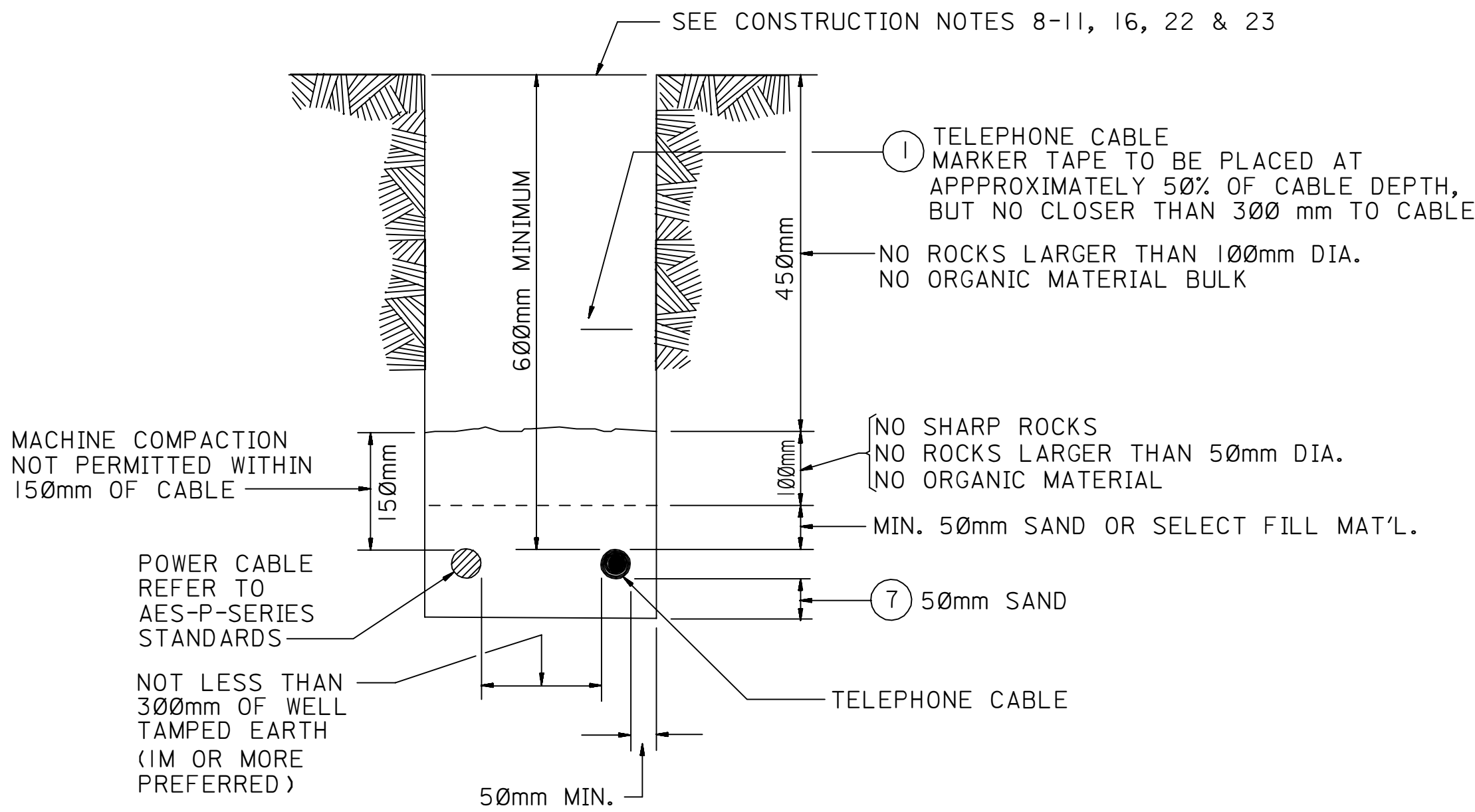
03	000	AA-036748	1	096
REV. NO.	SHT. NO.	DRAWING NUMBER	INDEX	PLANT NO.

JOINT TRENCH ONLY



⑩ NEOPRENE CABLE CAPS

DETAIL 7

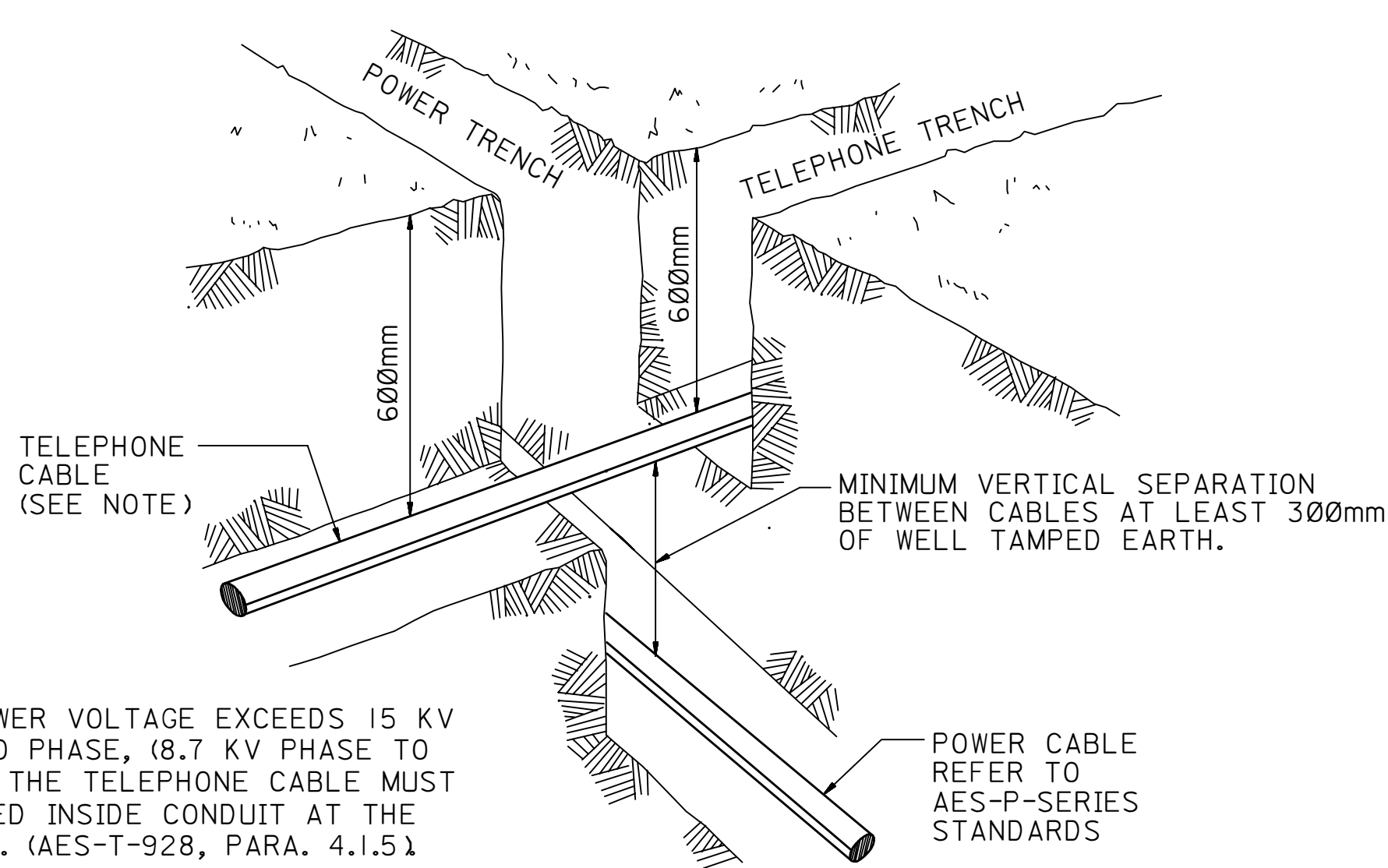


EARTH SEPARATION

FIXED SEPARATION - COMMON TRENCH PARALLEL POWER AND TELEPHONE CABLES
(RANDOM SEPARATION IS NOT PERMITTED IN SAUDI ARAMCO-SEE AES-T-928, PARA. 4.1.6)
NON-TRAFFIC AREAS (FOR ROADS/STREET TRENCHES SEE DETAIL-6, SHT. 002)

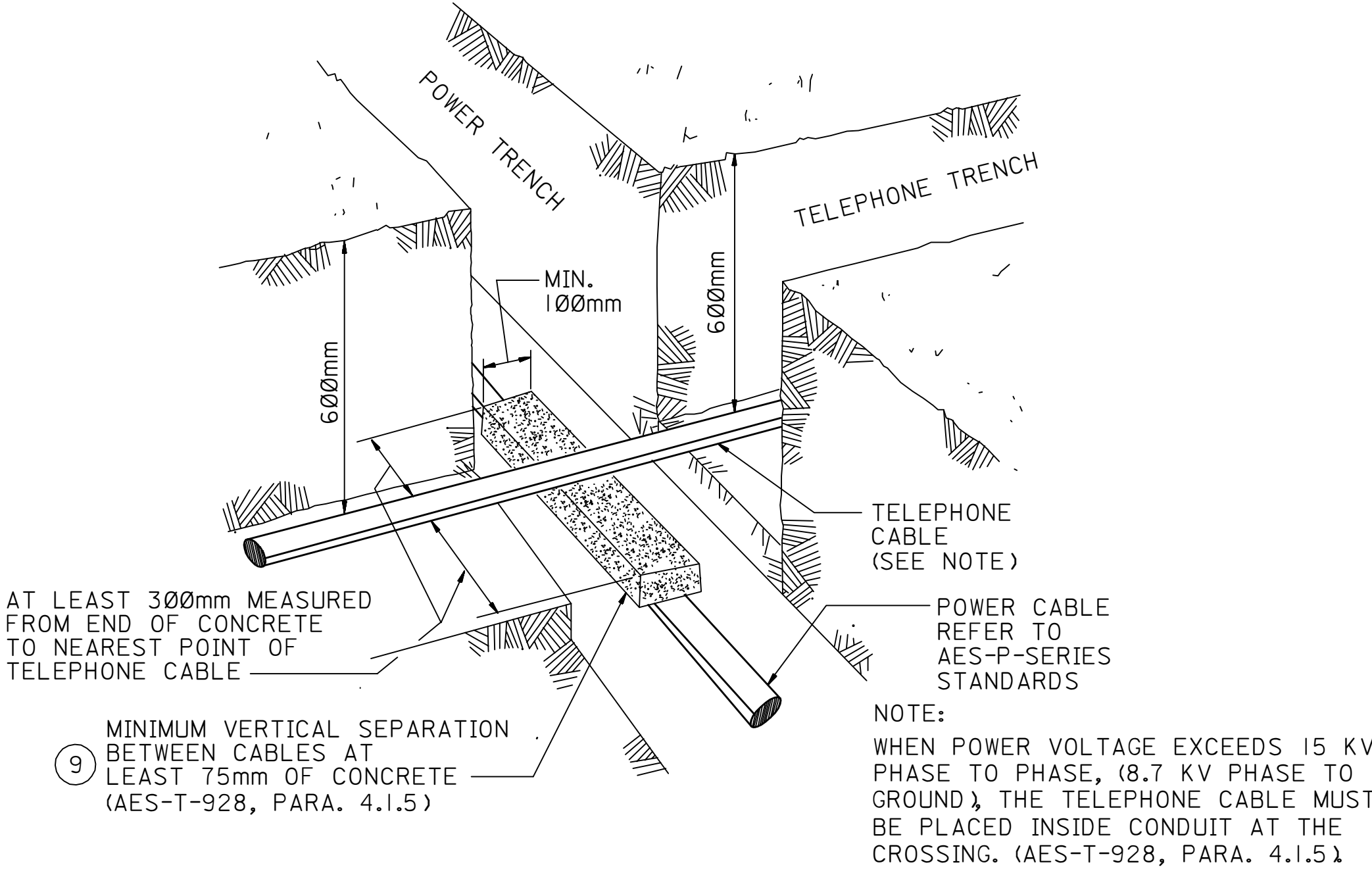
MAIN TRENCH

DETAIL-8



NOTE:
WHEN POWER VOLTAGE EXCEEDS 15 KV
PHASE TO PHASE, (8.7 KV PHASE TO
GROUND), THE TELEPHONE CABLE MUST
BE PLACED INSIDE CONDUIT AT THE
CROSSING. (AES-T-928, PARA. 4.1.5)

EARTH SEPARATION



CONCRETE SEPARATION

CROSSOVERS

DETAIL-9

MINIMUM SEPARATION CHART

BETWEEN	AND BURIED TELEPHONE CABLES		
	PARALLEL	CROSSING	REF. STANDARD
POWER, BURIED	300mm (1M PLUS PREFERRED)	300mm EARTH 100mm MASONRY 75mm CONCRETE	AES-T-928, PARA. 4.1.5 & 4.1.6
WATER, GAS, SEWER, LINES AND BURIED CATV & INSTRUMENTATION CABLES ETC.	300mm	150mm	AES-T-928, PARA. 4.1.5.1
OIL FIELD PIPELINES	SVC POINTS NO CLOSER THAN 25M TO PIPELINE. PARALLEL SEPR. PER PIPELINE PROPOONENT APPROVAL.	1 METER BELOW IN CONCRETE ENCASED CONDUIT	AES-T-928, PARA. 4.1.8.5 AES-T-911, PARA. 5.5.1 AES-B-064, PARA. 10.5

NOTES:

FOR CONSTRUCTION NOTES REFER TO SHEET 001
OF THIS DRAWING.

TYPICAL INSTALLATION DRAWING

03	AUG90	ESSD RLO	GENERAL REVISION.			
02	MAY85	ESSD MNL	REDRAWN FOR CLARITY.			
REV. NO.	DATE	BY	DESCRIPTION	CHKD.	CERT.	APPD.

SAUDI ARABIAN OIL COMPANY

DRAWN BY A.B.M.S. CHECKED BY JW SCALE: N.T.S.
DATE STARTED _____ DATE COMPLETED _____
OPR'G. DEPT. _____ ENG. DEPT. M. M. SALAMA
APP'D. FOR CONST. _____

THIS DRAWING IS NOT TO BE USED FOR
CONSTRUCTION OR FOR ORDERING
MATERIAL UNTIL CERTIFIED AND DATED

CERTIFIED
BY _____ DATE _____

BURIED TELEPHONE CABLES/DISTRI. WIRE INSTALLATION DETAILS

STD. DWG.			METRIC		
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.	
990	T	AA-036748	003	03	