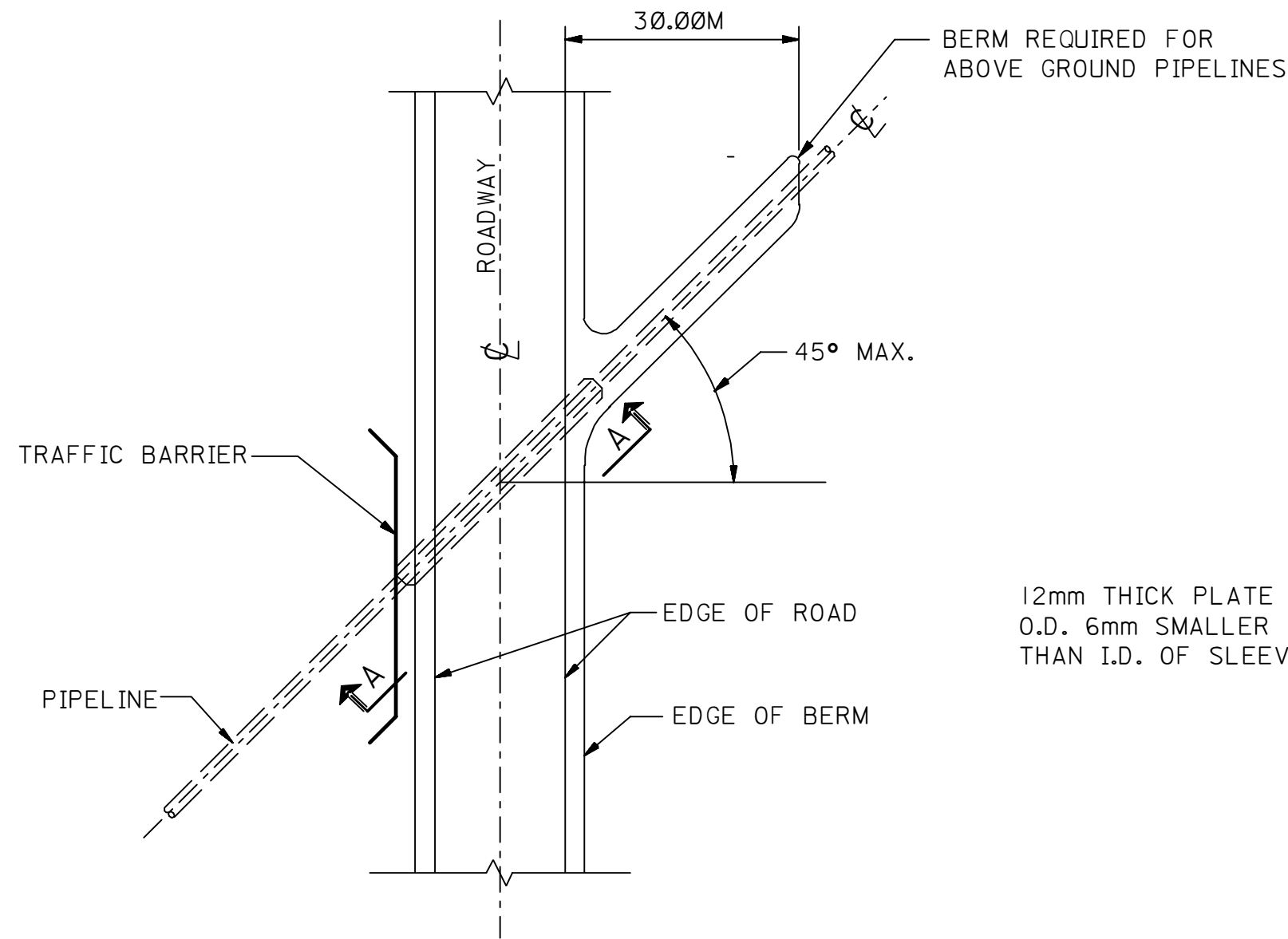
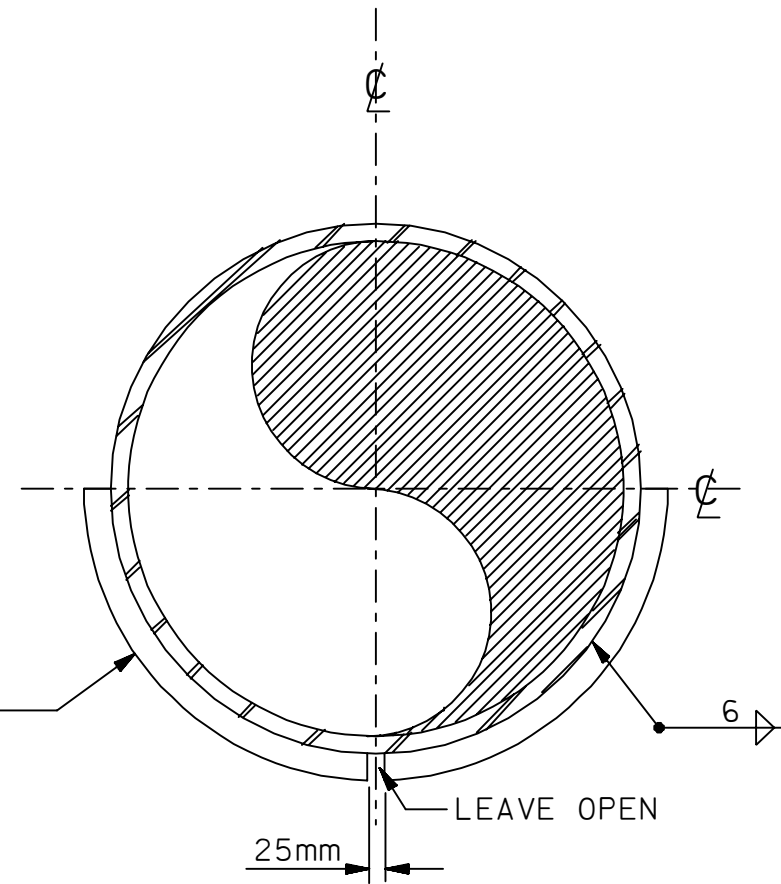


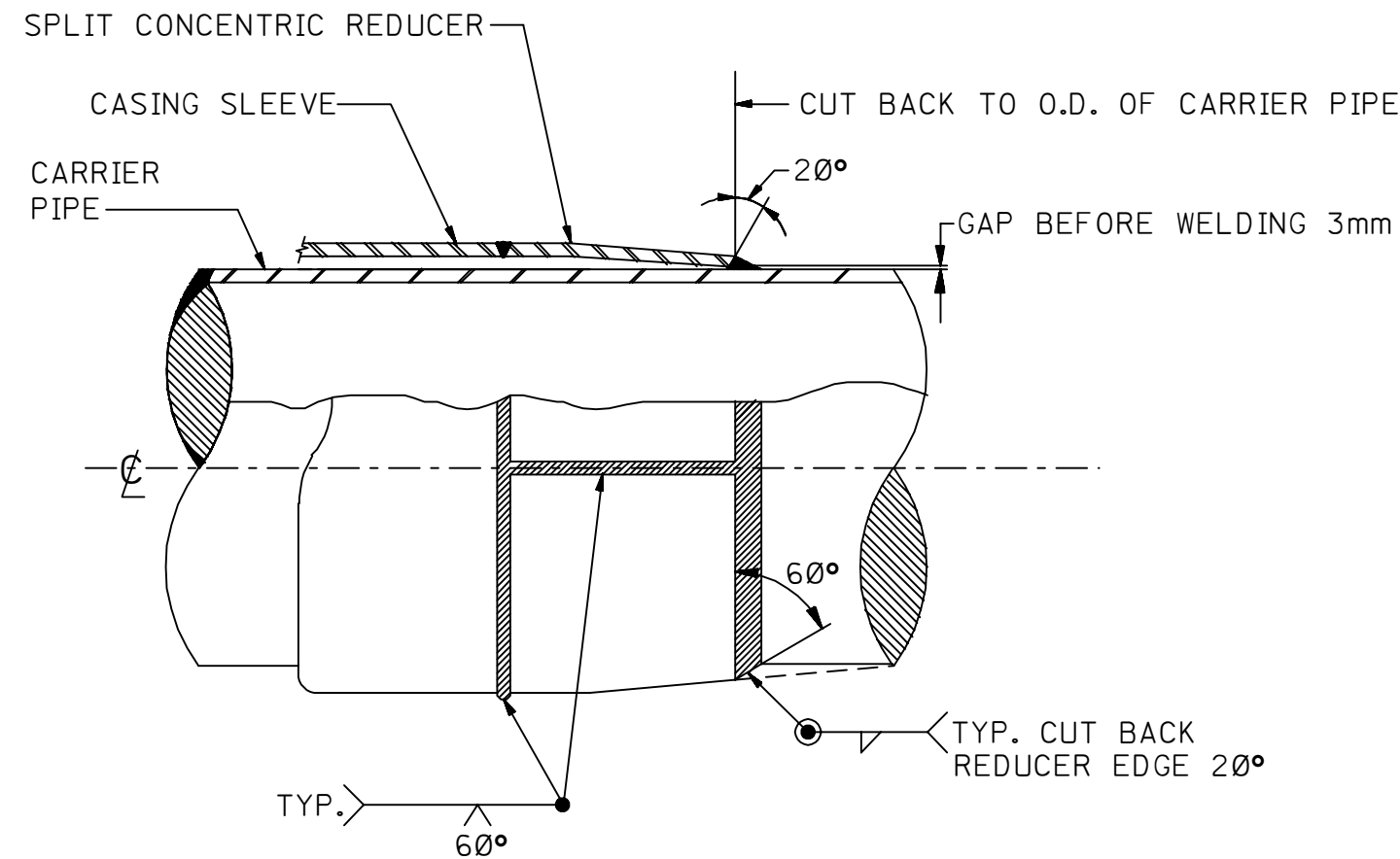
990	L	X	AB-036880	001	14
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.	



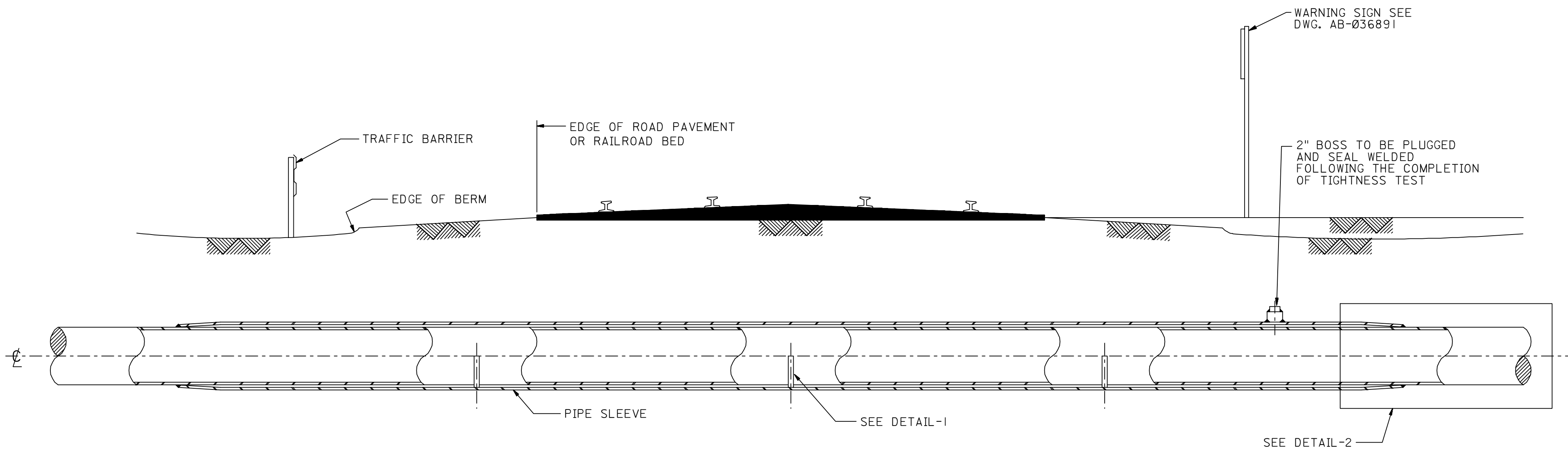
PLAN



DETAIL-1



DETAIL-2



SECTION A-A

NOTES:

- THIS DRAWING ILLUSTRATES THE DESIGN OF SLEEVED ROAD OR RAILROAD CROSSING OF PIPELINES PER AES-L-046.
- THE WELDS OF THE SLEEVE (EXCEPT PIPE MILL WELD) SHALL BE SOAP SUD TESTED FOR TIGHTNESS USING 35 kPa (5 PSI) AIR PRESSURE.
- THE PIPE AND SLEEVE SHALL BE DRY WHEN THE ASSEMBLY IS MADE.
- FOR BORED CROSSINGS A MINIMUM OF TWO GALVANIC ANODES WITH TWO-PIN JUNCTION BOX ARE REQUIRED AT BOTH SIDES OF THE CROSSING.
- SEE SAUDI ARAMCO STD. DWG. AA-036352 FOR GALVANIC ANODE INSTALLATION DETAILS.

REVISION NOTE:

- REVISED, REDRAWN, DELETED INDEX S AND ADDED TYPICAL INSTALLATION DRAWING.
- REVISED, CHANGED DRAWING SIZE FROM A" TO "B", DELETED DETAILS 3 & 4, CHANGED SECTION A-A AND NOTES.

TYPICAL INSTALLATION DRAWING

14	MAY92	ESSD JVV	ADD NOTE 4 & 5 AND INDEX X			
13	AUG88	RLO	SEE REVISION NOTE-2.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
12	JUN86	MNL	SEE REVISION NOTE-1.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT. APPD.

SAUDI ARABIAN OIL COMPANY

DRAWN BY	PC	CHECKED BY	SCALE	NONE
DATE STARTED	07-27-83	DATE COMPLETED	07-28-83	
OPR'G. DEPT.		ENG. DEPT.		
APP'D FOR CONSTR.				

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED	CERTIFIED BY	DATE
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SLEEVED CROSSING
FOR RESTRAINED PIPELINES

STD. DWG.			METRIC	
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	L X	AB-036880	001	14