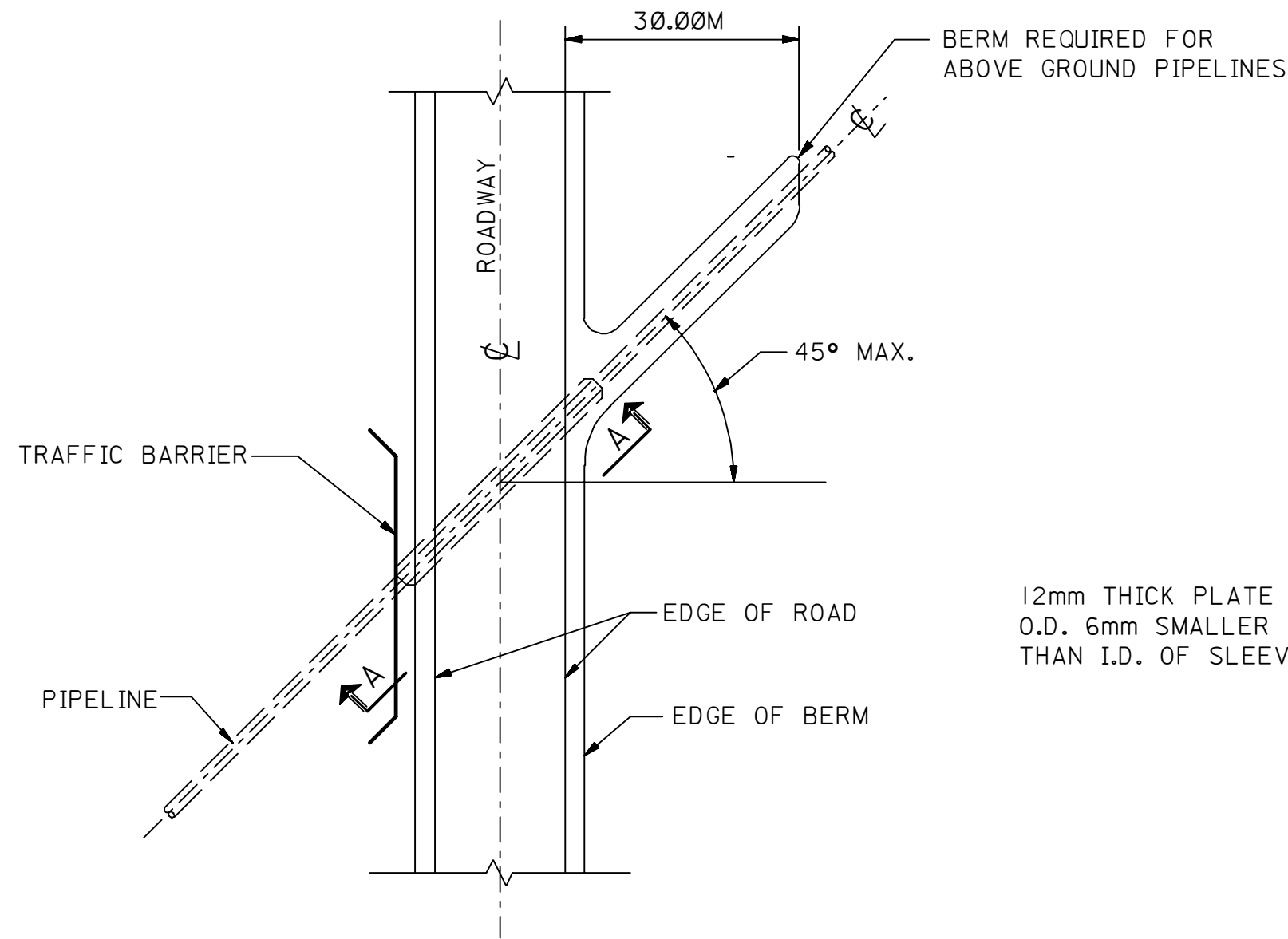
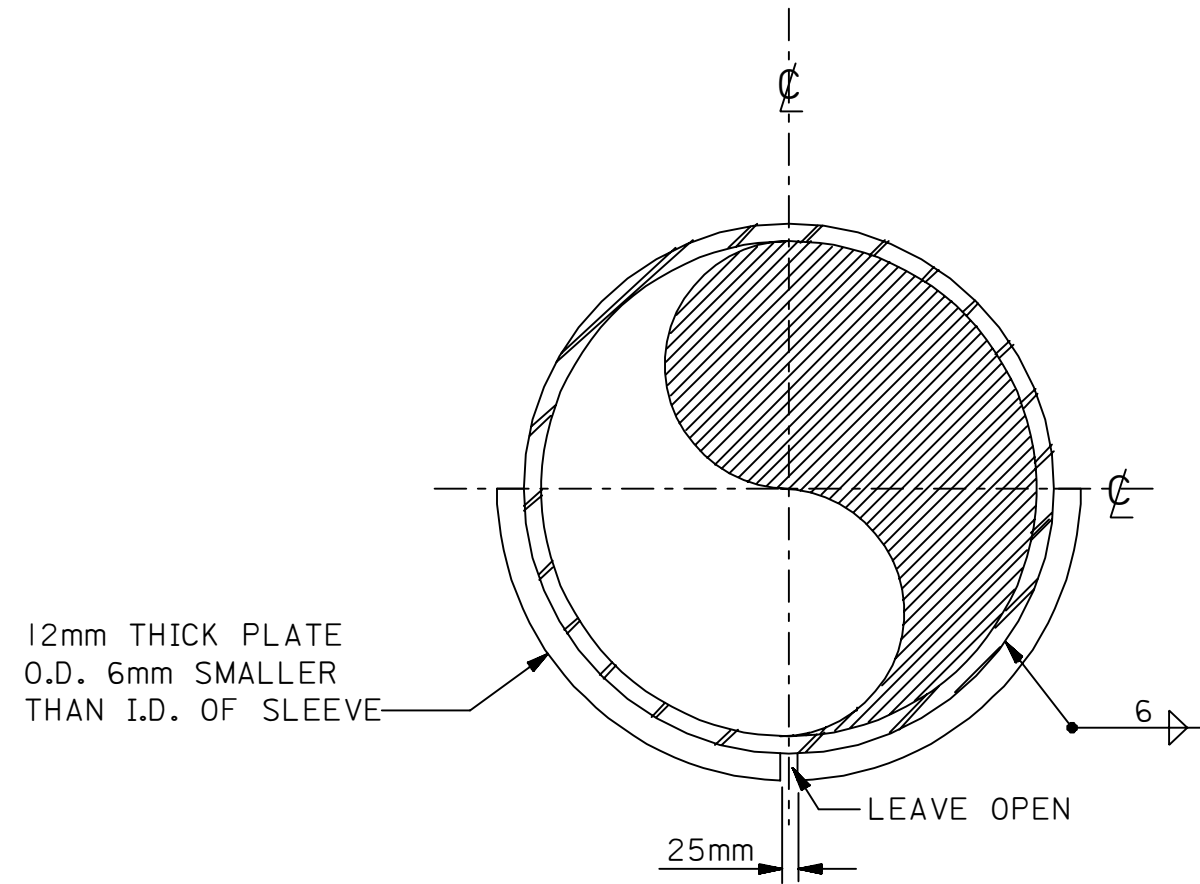


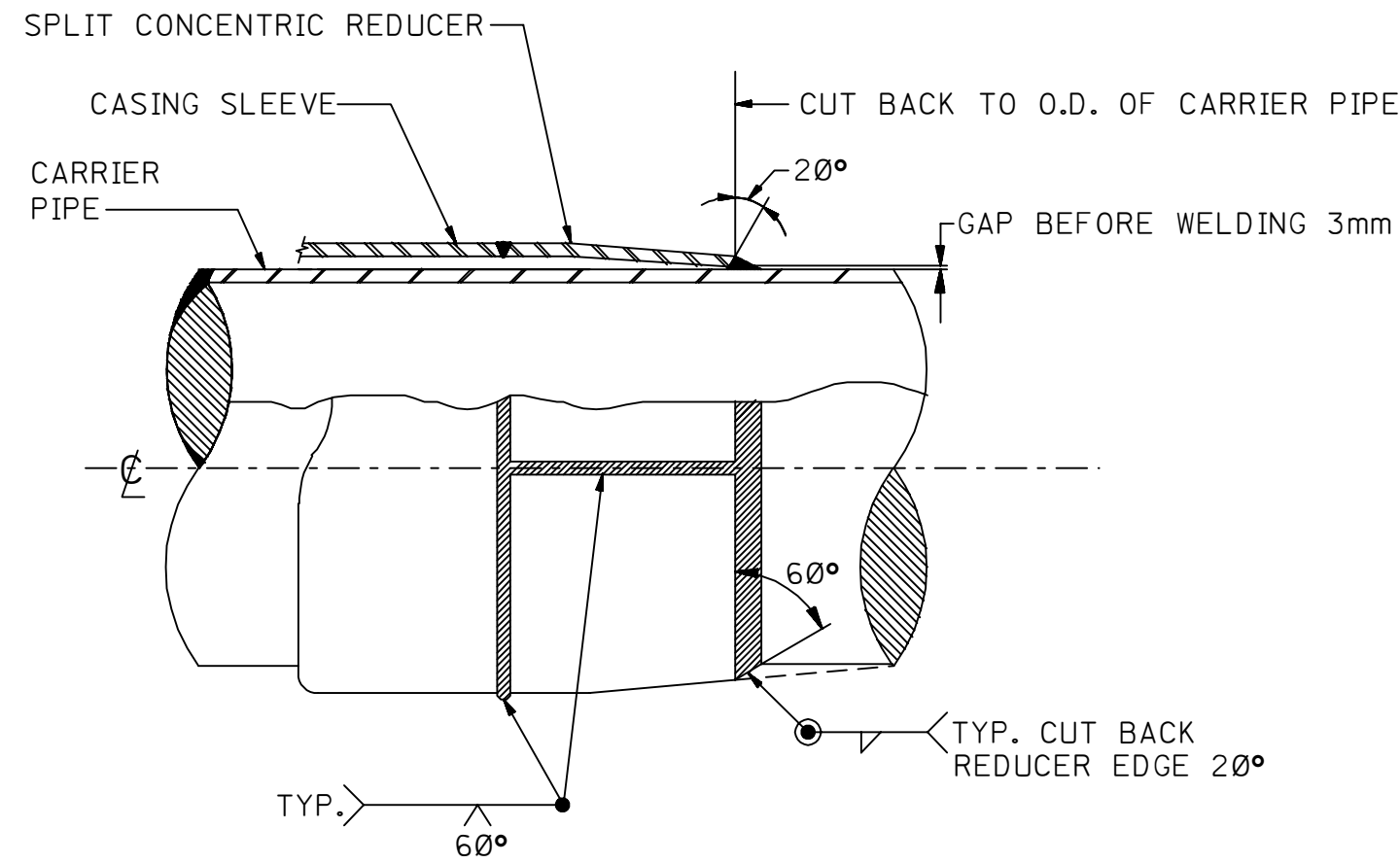
990	L	X	AB-036880	001	14
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.	



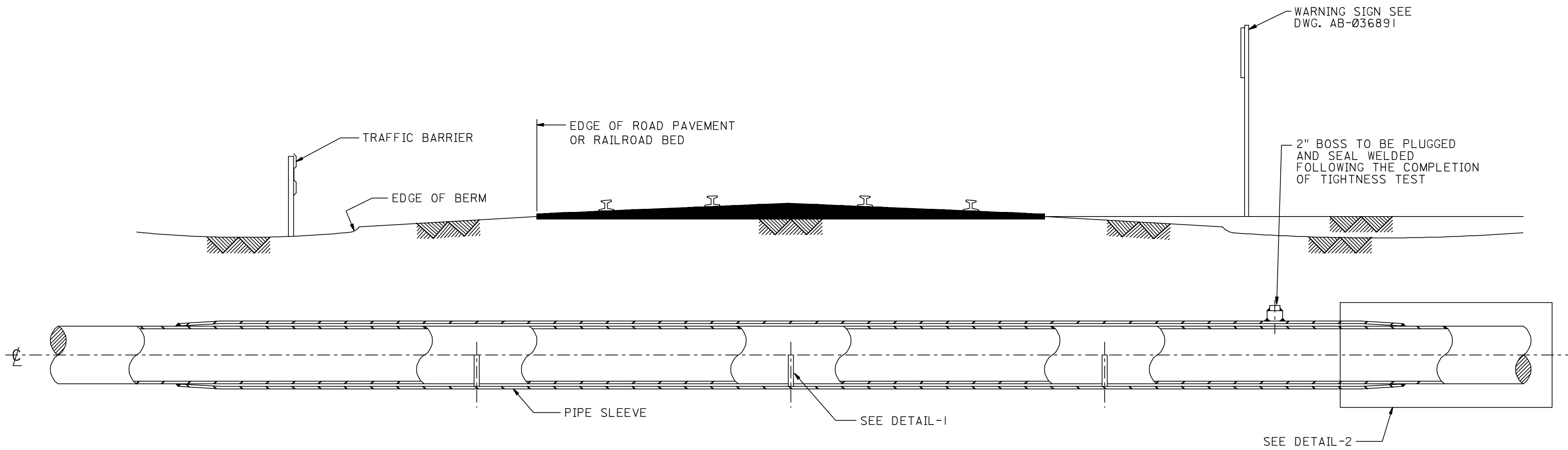
PLAN



DETAIL-1



DETAIL-2



SECTION A-A

NOTES:

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

REVISION NOTE:

1. REVISED, REDRAWN, DELETED INDEX S AND ADDED TYPICAL INSTALLATION DRAWING.
2. 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
--	-------------------

SLEEVED CROSSING
FOR RESTRAINED PIPELINES

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