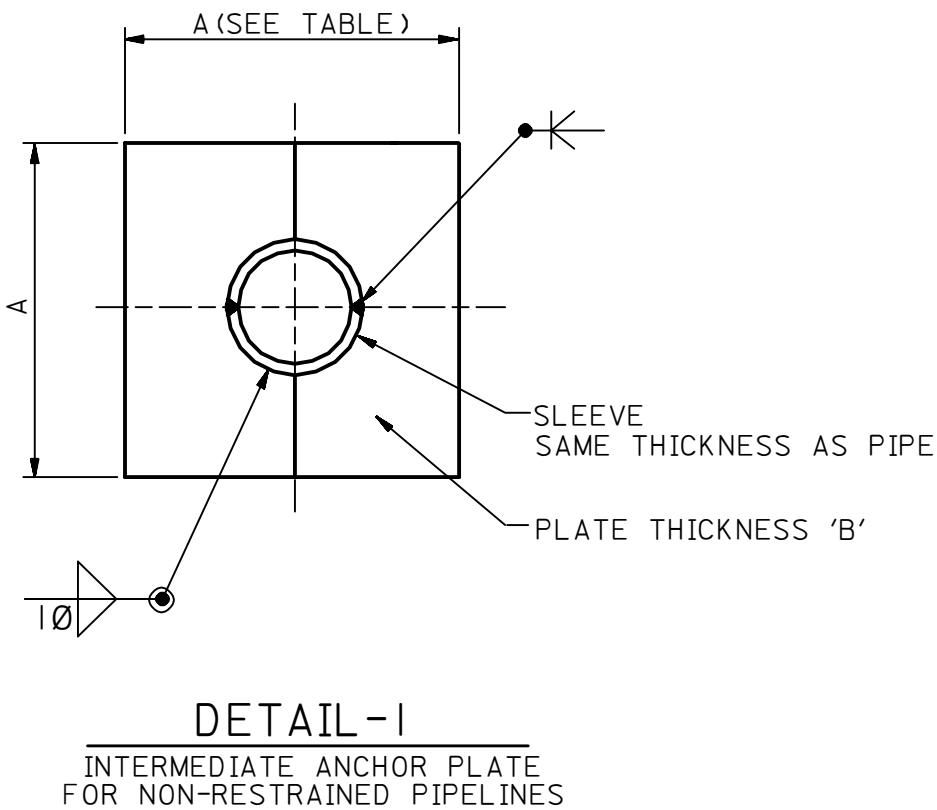
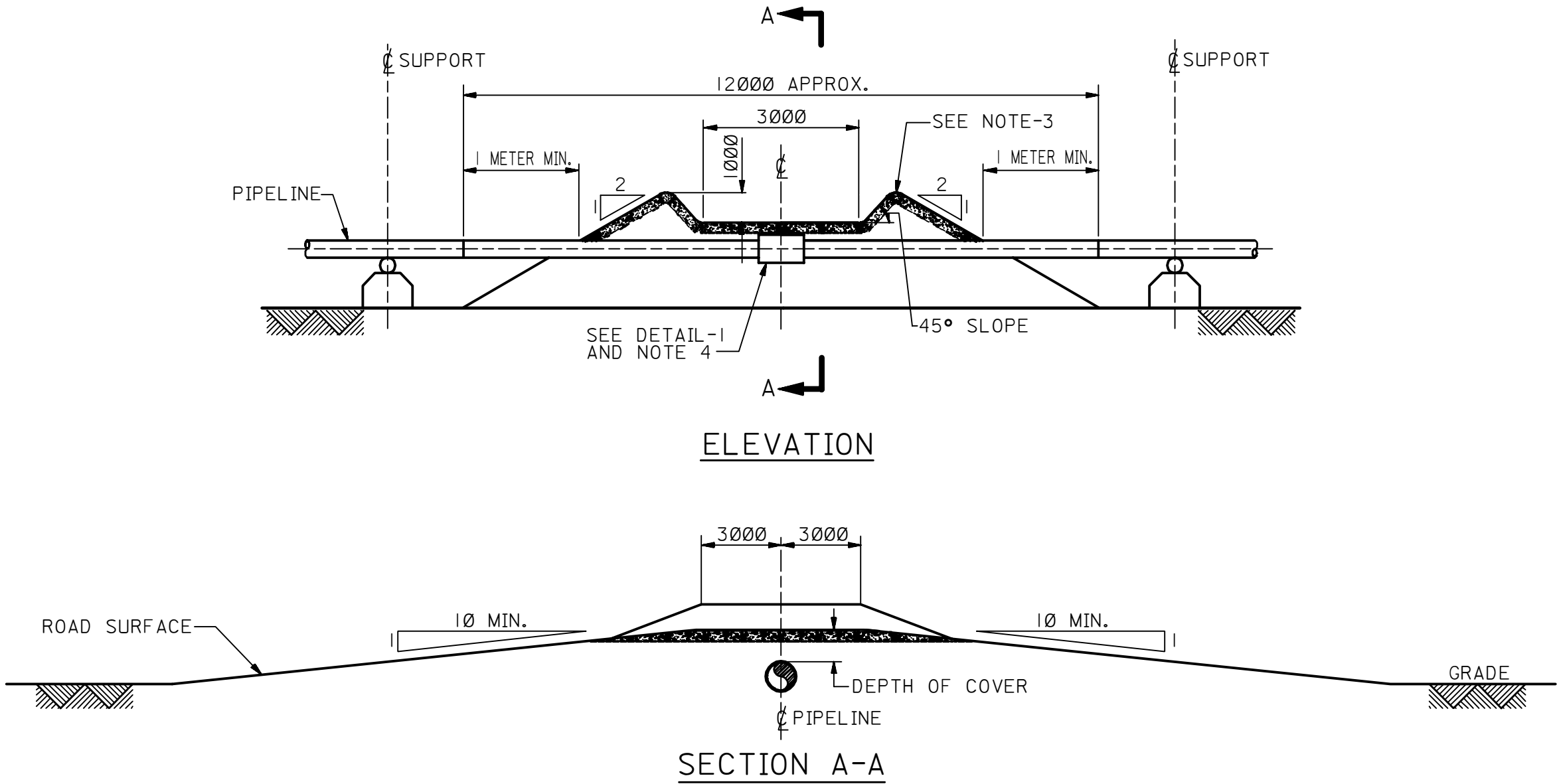


03	004	AC-036660	L	990
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.

- NOTES:
1. THIS DRAWING ILLUSTRATES A CROSSING OF MINIMUM WIDTH FOR ABOVE GRADE PIPELINES TO PROVIDE FOR PASSAGE OF GRAZING HERDS AND OCCASIONAL VEHICULAR TRAFFIC. THE DESIGN SHALL BE PER AES-L-046.
 2. THERE SHALL BE NO BURIED PIPE SUPPORTS IN THE CROSSING . THE PIPE SHALL BE EMBEDDED IN SAND, FREE OF ROCKS OR OTHER MATERIAL THAT CAN DAMAGE THE COATING.
 3. THE ROAD AND THE MOUNDS ON EACH SIDE SHALL BE COVERED WITH NOT LESS THAN 150mm OF MARL OR AGGREGATE AND SHALL BE STABILIZED WITH CRUDE OIL OR ASPHALT.
 4. THE EQUALIZING ANCHOR PLATE, WELDED TO A SLEEVE OF 2 PIPE DIA. LONG, SHALL BE INSTALLED WHEN THIS CROSSING IS LOCATED BETWEEN EXPANSION LOOPS OR OFFSETS (PREFERABLY AT THE MIDPOINT).
 5. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 6. A MINIMUM OF TWO GALVANIC ANODESWITH A TWO-PIN GALVANIC ANODE JUNCTION BOX IS REQUIRED. ANODES TO BE INSTALLED ONE EACH SIDE OF PIPELINE IN CENTER OF ROAD.
 7. SEE SAUDI ARAMCO STANDARD DRAWING AA-036352 FOR GALVANIC ANODE INSTALLATION DETAILS.

THIS DRAWING SUPERSEDES AC-036684 SH. 001

TYPICAL INSTALLATION DRAWING									
03	NOV96	ESSD RCR		REVISED NOTES.					
02	APR93	ESSD MAQ		ADDED NOTES 6, 7, & 8					
01	10-11-88	RLO		NEW DRAWING DIGITIZED ON CADD.					
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION			CHKD.	CERT.	APPD.
SAUDI ARABIAN OIL COMPANY									
DRAWN BY <u> RLO </u> CHECKED BY <u> </u> SCALE <u> NONE </u>									
DATE STARTED <u> 09-27-88 </u> DATE COMPLETED <u> 09-27-88 </u>									
OPR'G. DEPT. <u> </u> ENG. DEPT. <u> </u>									
APP'D FOR CONSTR. <u> </u>									
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED				CERTIFIED BY <u> </u> DATE <u> </u>					
ROAD CROSSINGS									
FOR PIPELINES									
STD. DWG.							METRIC		
PLANT NO.		INDEX	DRAWING NUMBER				SHT. NO.		REV. NO.
990		L	AC-036660				004		03



NOMINAL DIA. OF PIPELINE INCHES	ANCHOR PLATE DIM. A mm	ANCHOR PLATE THK. B mm
4	200	13
6	300	13
8	400	13
10	500	19
12	610	19
14	710	19
16	810	19
18	910	25
20	1020	25

UNPAVED MINOR CROSSING FOR ABOVE GRADE PIPELINES