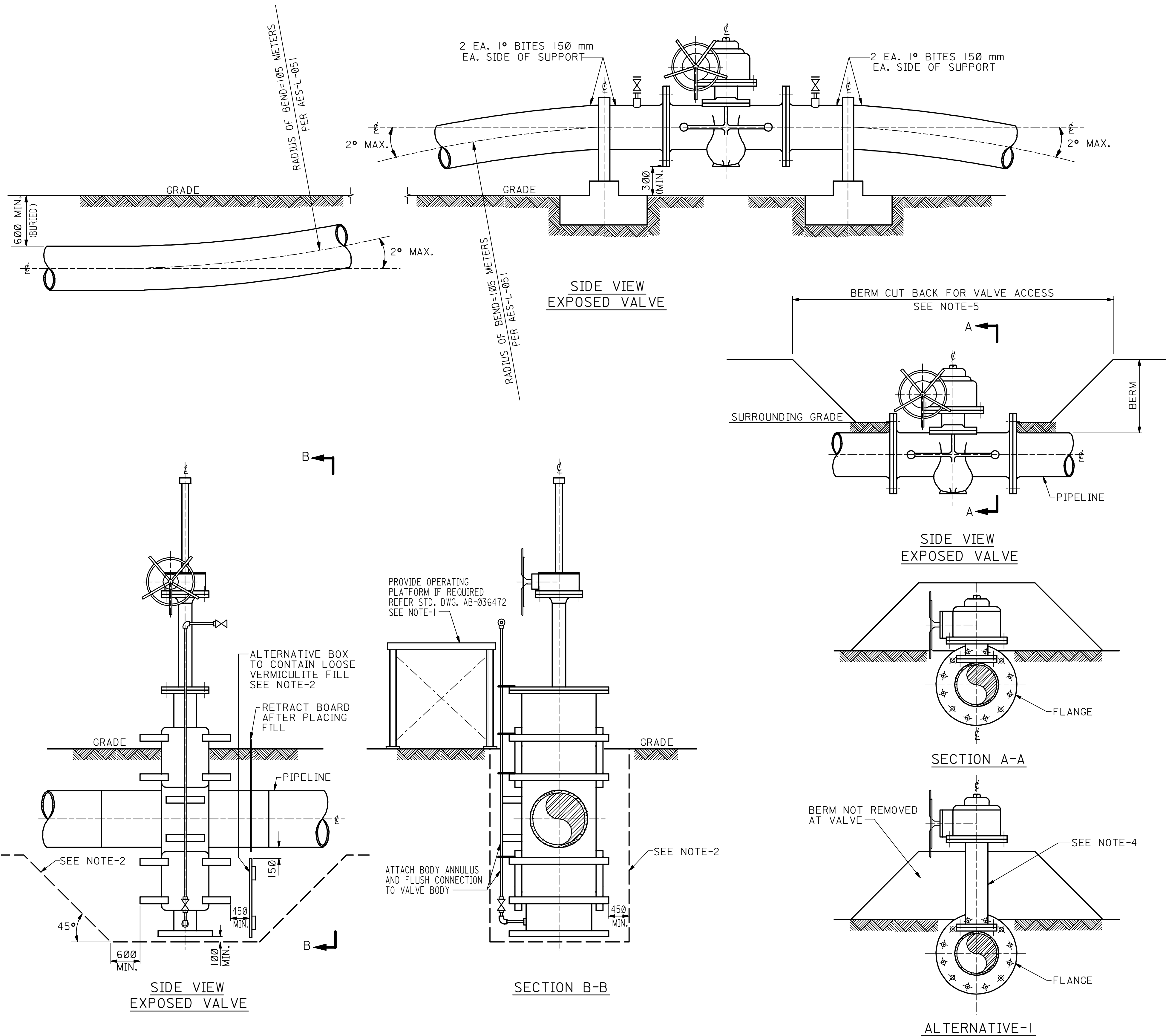


990	L	AB-036401	001	02
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.



- ## NOTES
1. VALVE PLATFORM SHALL BE EXTENDED TOWARD AND AROUND VALVE AS REQUIRED TO ASSURE ALL OPERATING PARTS SUCH AS HANDWHEEL AND ENGAGEMENT LEVER ARE EASILY ACCESSABLE AND CAN BE OPERATED BY ONE PERSON.
 2. THE BACKFILL MATERIAL WITHIN THE DOTTED LINES AROUND BURIED PIPELINE BLOCKVALVES SHALL ALLOW FOR ANY EXPECTED AXIAL PIPELINE MOVEMENT WITHOUT EXCESSIVE SOIL LOAD ON THE VALVE. LOOSE CLEAN DRIFT SAND SUCH AS FOUND IN SAND DUNES IS SUITABLE FOR THIS FILL IF THE NORMAL PIPELINE OPERATING TEMPERATURE DOES NOT EXCEED 60°C (140°F) OR AT HIGHER TEMPERATURES IF THE VALVE IS WITHIN 300 METERS FROM A PIPELINE ANCHOR. OTHERWISE THE FILL SHALL BE MADE WITH VERMICULITE OR SIMILAR LOW DENSITY INSULATION MATERIAL WHICH MAY BE CONTAINED INSIDE A WOODEN BOX PLACED AROUND THE VALVE. THE LATTER FILL SHALL ALSO BE USED IF A THROUGH-CONDUCT VALVE EXTENDS BELOW THE DITCHBOTTOM INTO ROCK OR MARL. THE GRADE SURFACE AROUND THE VALVE SHALL BE SAND STABILIZED WITH WEATHERED CRUDE. STABILIZING WITH MARL OR OTHER HARD SURFACING IS NOT PERMITTED.
 3. BURIED VALVES AND APPURTENANCES SHALL BE COATED WITH AN EPOXY SYSTEM IN ACCORDANCE WITH AES-H-001, APCS-2A, AND APPLIED IN ACCORDANCE WITH AES-H-100.
 4. EXTENSION TUBE AND FLANGES SHALL BE DESIGNED TO ACCOMODATE SOIL LOADS ASSOCIATED WITH PIPELINE AXIAL MOVEMENT.
 5. AMOUNT OF BERM REMOVED IS LIMITED TO EQUIVALENT WEIGHT OF VALVE.
 6. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

TYPICAL INSTALLATION DRAWING								
02	SEP90	RLO		DRAWING DIGITIZED INTO CAD DATABASE WITHOUT CHANGES				
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.	
SAUDI ARABIAN OIL COMPANY								
DRAWN BY VELASCO		CHECKED BY NJF 09-28-80		SCALE NONE				
DATE STARTED _____		DATE COMPLETED 09-28-80						
OPR'G. DEPT. _____		ENG. DEPT. GDR		11/80				
APP'D FOR CONSTR. _____								
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED				CERTIFIED _____ BY _____ DATE 11/80				
EXPPOSED VALVES								
FOR BURIED CROSS COUNTRY PIPELINES								
SIDE VIEWS AND SECTIONS								
STD. DWG.						METRIC		
PLANT NO.	INDEX	DRAWING NUMBER				SHT. NO.	REV. NO.	
990	L	AB-036401				001	02	