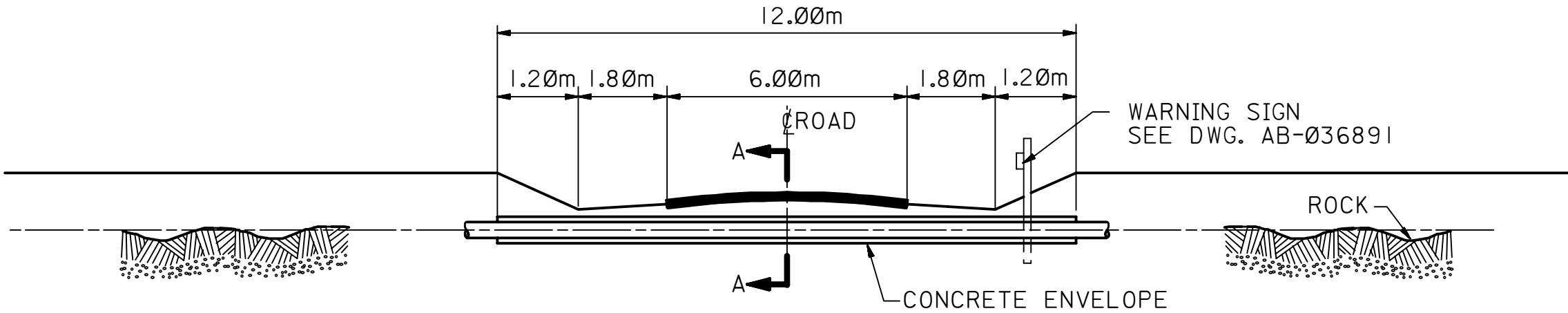
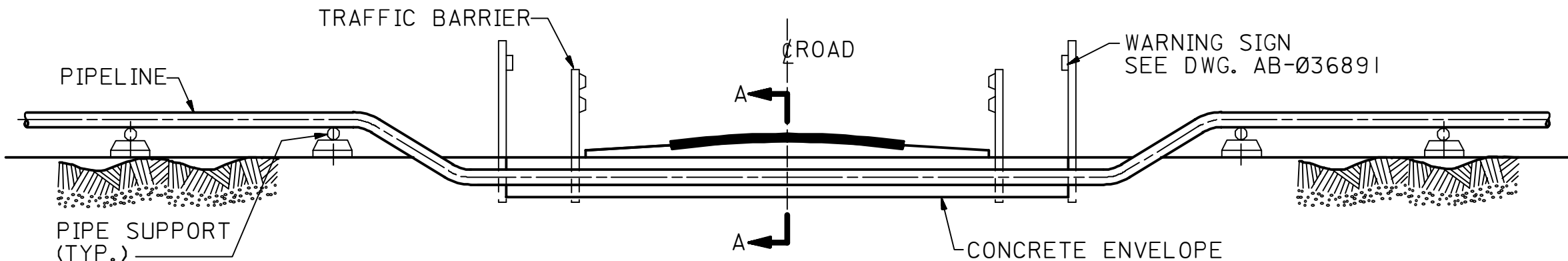


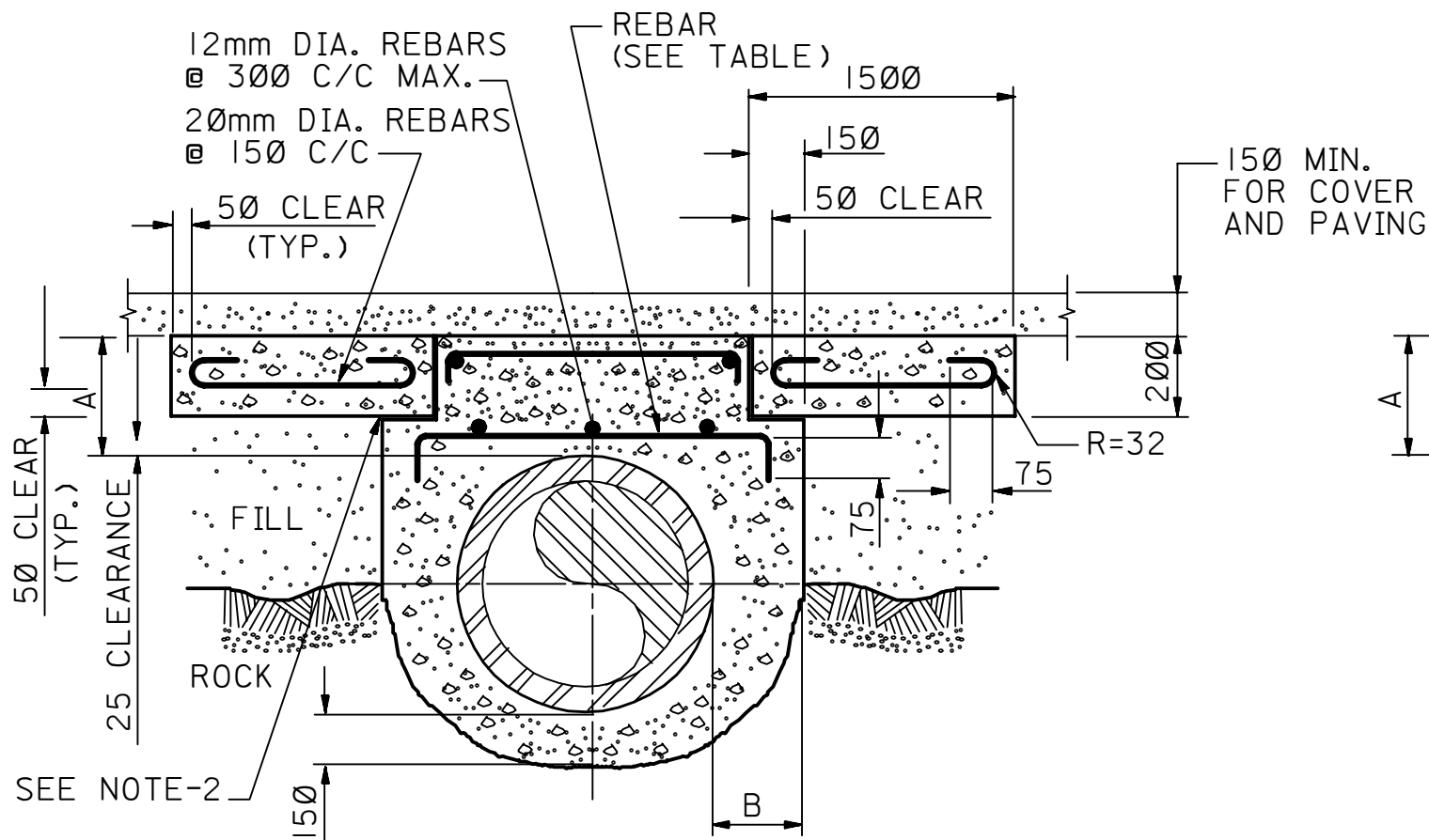
20	003	0999000	AC-036660	7	096
PLANT NO.	INDEX	DRAWING NUMBER	SH. NO.	REV. NO.	



CONCRETE ENCASED ROAD CROSSING OVER BURIED PIPELINE IN ROCKY AREAS

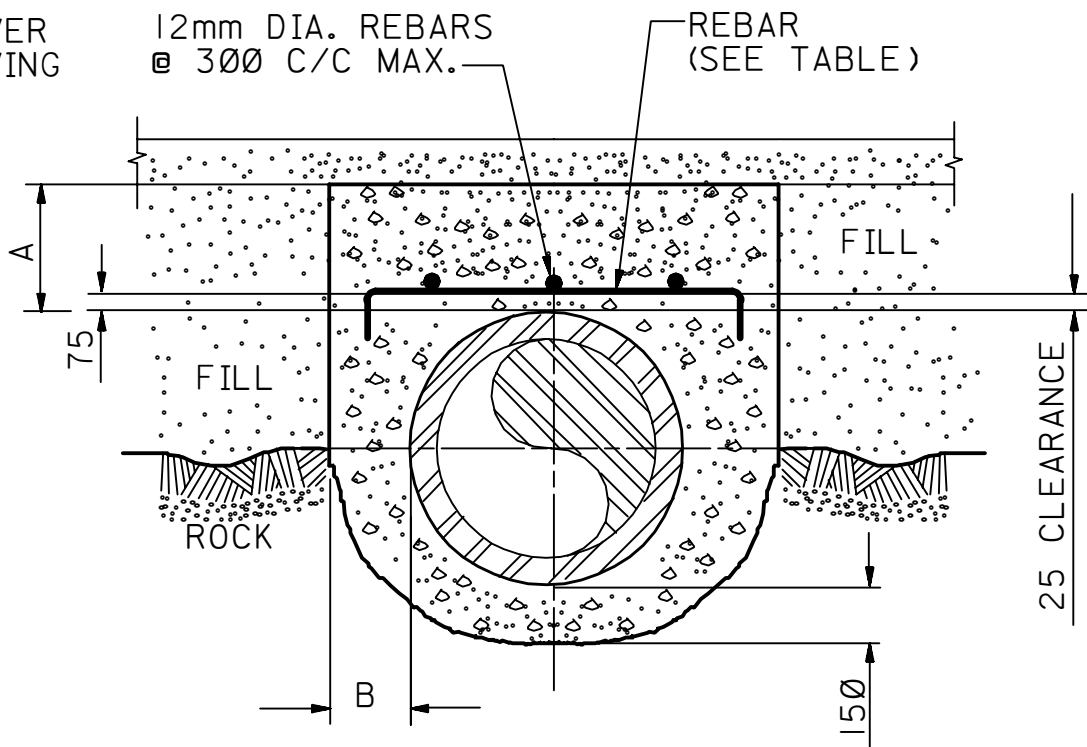


CONCRETE ENCASED ROAD CROSSING OVER ABOVE GROUND PIPELINE IN ROCKY AREAS



SECTION A-A FOR PIPE LISTED BELOW

NOM. PIPE SIZE in.	DIMENSION		REBAR (TOP & BOTTOM)
	A mm	B mm	
30-38	300	250	20mm DIA. AT 200 C/C
40-48	380	300	20mm DIA. AT 200 C/C
50-60	450	300	25mm DIA. AT 150 C/C



SECTION A-A FOR PIPE LISTED BELOW

NOM. PIPE SIZE in.	DIMENSION		REBAR (BOTTOM)
	A mm	B mm	
4-12	150	150	NO REBAR
14-20	200	150	20mm DIA. AT 300 C/C
22-28	250	220	20mm DIA. AT 150 C/C

- NOTES:**
- THIS OPTIONAL CROSSING FOR ARAMCO ROADS MAY BE USED IN ROCK AREAS IF AT LOWER COST THAN EXCAVATION AND INSTALLATION PER AC-036660 SH. 1. OR SH. 2. THE LENGTH OF THE CONCRETE ENVELOPE IS LIMITED TO 12m.
 - PROVIDE 12mm EXPANSION JOINT MATERIAL BETWEEN CONCRETE ENVELOPE AND SLAB (FOR PIPE LARGER THAN 28 INCH).
 - ADDITIONAL WRAPPING OR WELDED SLEEVE SHALL BE APPLIED, TO EXTEND FROM OUTSIDE THE CONCRETE TO AT LEAST 500mm INSIDE THE CONCRETE ENVELOPE.
 - THIS STANDARD DRAWING IS NOT TO BE USED FOR RAILROAD CROSSINGS NOR FOR ROADS WITH MORE THAN TWO LANES.
 - ALL DIMENSION ARE IN MILLIMETERS EXCEPT AS INDICATED.
 - ALL REBAR TO BE FBE COATED.
 - A MINIMUM OF TWO GALVANIC ANODES WITH A TWO-PIN GALVANIC ANODE JUNCTION BOX IS REQUIRED. ANODES TO BE INSTALLED ONE EACH SIDE OF PIPELINE IN CENTER OF ROAD.
 - SEE SAUDI ARAMCO STANDARD DRAWING AA-036352 FOR GALVANIC ANODE INSTALLATION DETAILS.

THIS DRAWING SUPERSEDES AC-036522 SH. 001

TYPICAL INSTALLATION DRAWING					
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD. CERT. APPD.
02	APR93	ESSD MAQ		ADDED NOTES 6, 7 & 8	
01	10-11-88	RLO		NEW DRAWING DIGITIZED ON CADD.	
SAUDI ARABIAN OIL COMPANY					
DRAWN BY <u>RLO</u> CHECKED BY <u> </u> SCALE <u>NONE</u>					
DATE STARTED <u>09-19-88</u> DATE COMPLETED <u>09-20-88</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. <u> </u> METRIC					
PLANT NO.	INDEX	DRAWING NUMBER		SH. NO.	REV. NO.
990	L	AC-036660		003	02