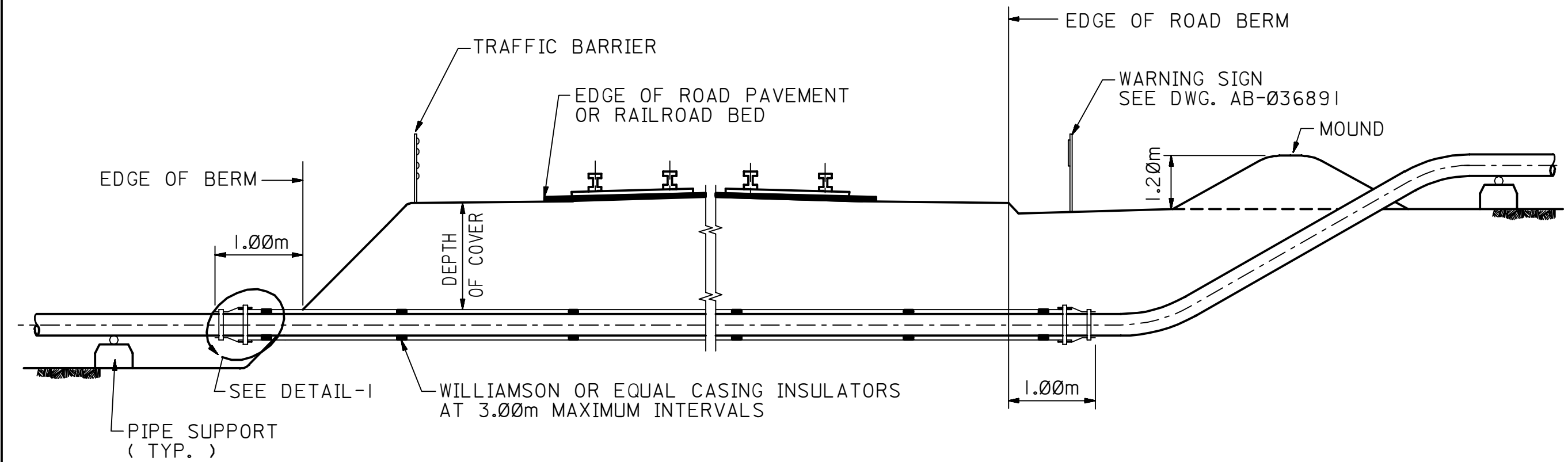
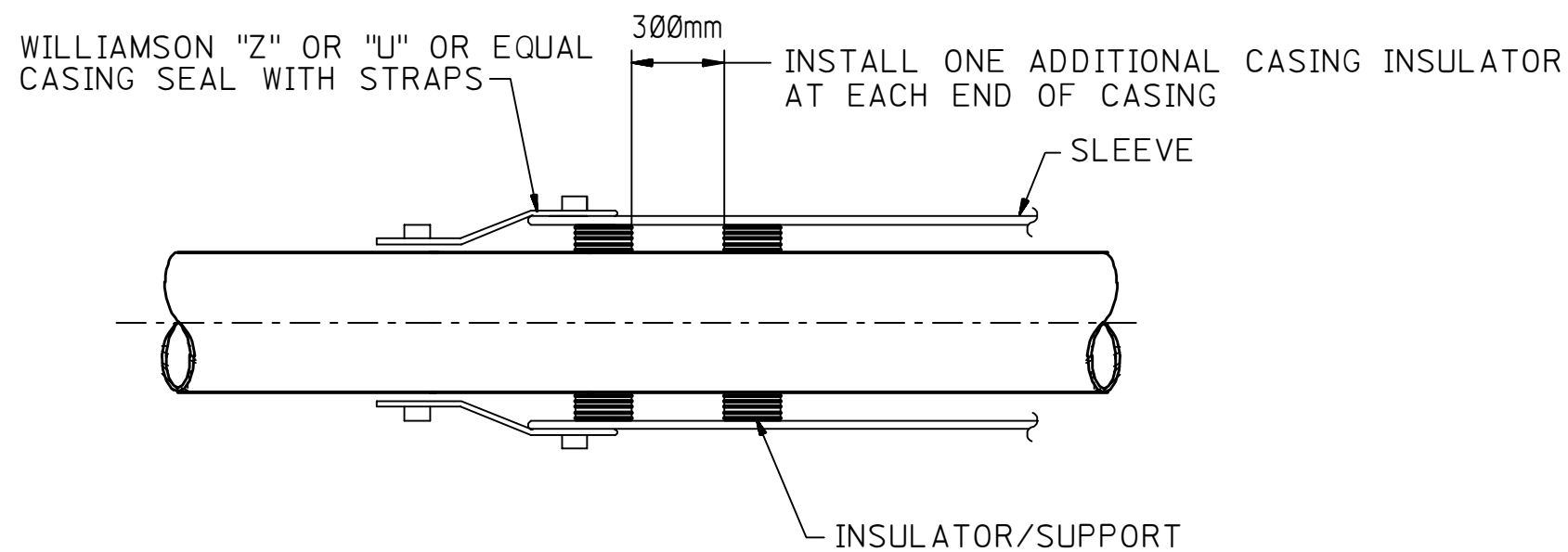


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PLANT NO.	REV. NO.	DRAWING NUMBER	SHT. NO.	INDEX	PLANT NO.



ELEVATION



DETAIL-I

SLEEVED ROAD OR RAILROAD CROSSING
FOR ABOVE GRADE PIPELINES

NOTES:

1. THIS DRAWING ILLUSTRATES THE INSTALLATION OF A PIPE SLEEVE WITH CASING SEALS IN A ROAD CROSSING FOR ABOVE GRADE UNRESTRAINED PIPELINES. THE DESIGN SHALL BE PER SAES-L-Ø46.
2. FOR BORED CROSSINGS, A MINIMUM OF TWO GALVANIC ANODES WITH A GALVANIC ANODE JUNCTION BOX ARE REQUIRED AT BOTH SIDE OF THE CROSSING AND CONNECTED TO THE CASING.
3. FOR OPEN CUT CROSSINGS, A MINIMUM OF TWO GALVANIC ANODES TO BE INSTALLED BENEATH CENTER OF ROAD WITH A GALVANIC ANODE JUNCTION BOX ON ONE SIDE OF THE ROAD, AND CONNECTED TO THE CASING.
4. A ONE-PIN TEST STATION CONNECTED TO THE CASING IS REQUIRED, FOR OPEN CUT INSTALLATIONS, AND IS TO BE INSTALLED ON THE OPPOSITE SIDE OF THE ROAD FROM THE GALVANIC ANODE JUNCTION BOX.
5. SEE SAUDI ARAMCO STD. DWG. AA-Ø36352 FOR GALVANIC ANODE INSTALLATION DETAILS.
6. CATHODIC PROTECTION FOR BURIED PIPING IS REQUIRED PER TABLE I ON SAUDI ARAMCO STANDARD DRAWING AA-Ø36352.

THIS DRAWING SUPERSEDES AC-Ø36523 SH.ØØ1

TYPICAL INSTALLATION DRAWING

Ø4	SEP93	ESSD RCR		REVISED NOTES 2, 3, 4 AND ADDED NOTE 6 & DETAIL-I.			
Ø3	APR93	ESSD MAQ		REVISE NOTE NO. 2	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
Ø2	MAY92	ESSD JVV		ADDED NOTE 2, 3, 4 & 5 AND INDEX X.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
Ø1	OCT88	RLO		NEW DRAWING DIGITIZED ON CADD.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.

SAUDI ARABIAN OIL COMPANY

DRAWN BY RLO CHECKED BY _____ SCALE NONE
DATE STARTED Ø9-13-88 DATE COMPLETED Ø9-14-88
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 _____

ROAD CROSSINGS
FOR UNRESTRAINED PIPELINE

STD. DWG.			METRIC	
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
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