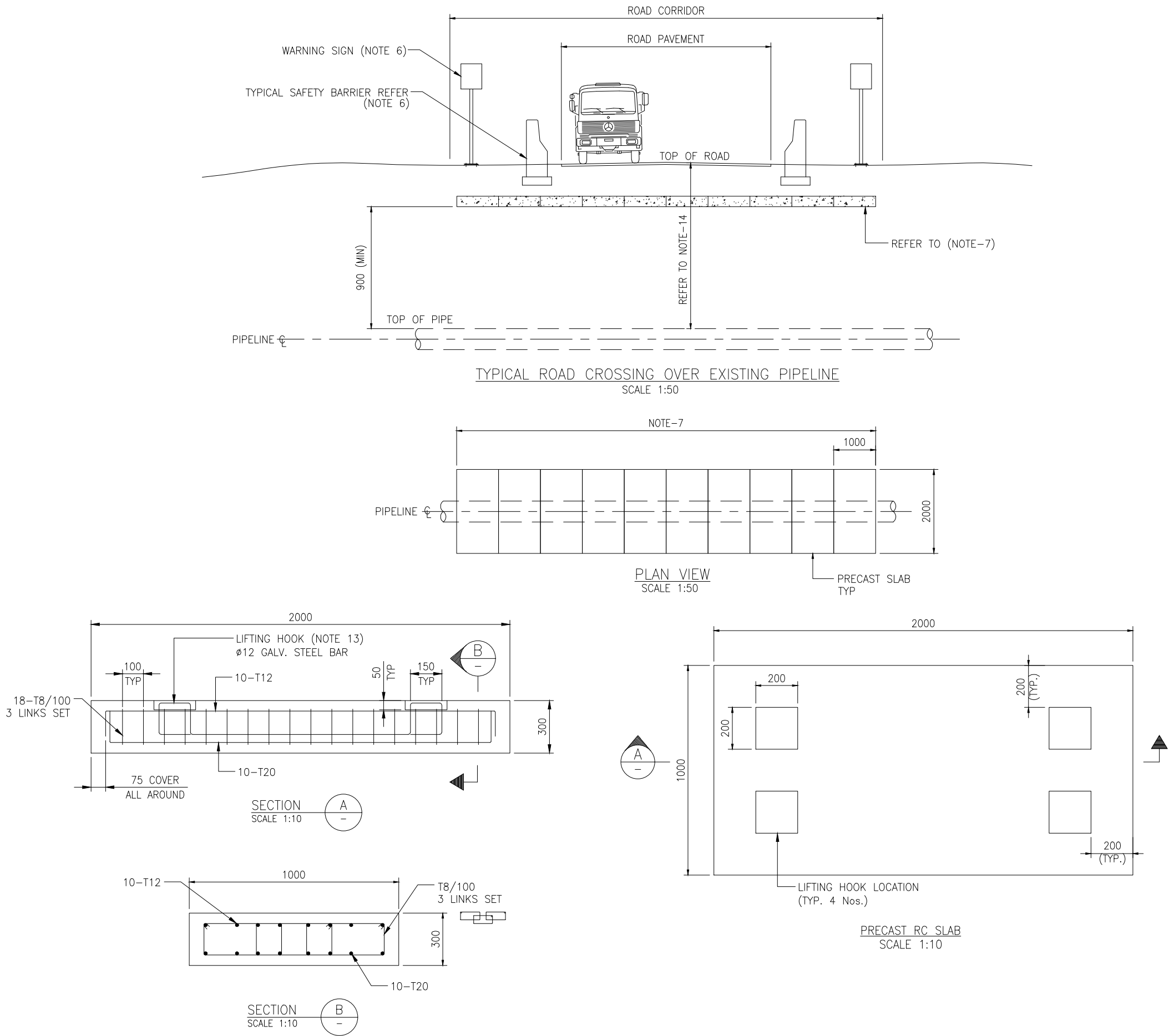


SIZE : A1

INFORMATION CLASSIFICATION: OPEN										 دبي بى للتوريدات Dubai Supply Authority	DRAWING TITLE STANDARD DETAILS FOR PIPELINE ROAD CROSSING PROTECTION SLAB			
	DSP-GEN-90-0001-001	GENERAL NOTES FOR CIVIL	1						RE-ISSUED FOR USE	PROJECT/CAF NO.	GENERAL			
		& ONSHORE STRUCTURES	0						ISSUED FOR USE	TITLE	STANDARD SPECIFICATION AND DRAWINGS			
	DWG. NO.	DRAWING TITLE	REV	DATE	DRN	D'CH	E'CH	APP	DESCRIPTION	FIELD	AREA	SCALE	WORKPACK NUMBER	DRAWING NUMBER
REFERENCE DRAWINGS		REVISIONS							GEN	GEN	AS SHOWN	—	DSP-GEN-90-0005-001	1



NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- PIPELINE ROAD CROSSING DESIGNED IN ACCORDANCE WITH LATEST REVISION OF API RP 1102, ASMEB31.4/ B31.8.
- WHENEVER POSSIBLE ROADWAYS SHALL CROSS THE PIPELINE AT RIGHT ANGLES BUT NOT LESS THAN 45 DEG.
- WHERE A ROADWAY IS TO CROSS A PIPELINE, THE PIPELINE MUST BE SURVEYED FOR COATING DEFECTS TO ASSESS THE NEED FOR ANY REPAIRS. IF COATING REPAIRS ARE REQUIRED, COATING SHALL FOLLOW THE REQUIREMENTS AS DETAILED IN DUSUP GUIDELINE DP-OPSON-0152. THIS WORK US TO BE DONE BY OR UNDER SUPERVISION OF DUSUP PERSONNEL AT THE EXPENSE OF THOSE PERSONS CARRYING OUT THE WORK.
- COMPACTION OF BACKFILLS AROUND PIPELINE SHALL BE AS FOLLOWS:

<400mm ALL AROUND - HAND TAMPING EQUIPMENT IN LIFTS NOT GREATER THAN 100mm.

400mm TO 1000mm - MANUALLY OPERATED VIBRATORY PLATES IN LIFTS NOT GREATER THAN 100mm.

>1000mm - CONVENTIONAL EARTH MOVING EQUIPMENT, OTHER THAN VIBRATORY ROLLERS
- WARNING SIGNS, SAFETY BARRIER LENGTH, OFFSET AND TYPE SHALL BE AGREED WITH DUSUP PRIOR TO INSTALLATION. WHERE REQUIRED APPROVAL SHALL BE OBTAINED FROM GOVT, OR OTHER RELEVANT AUTHORITIES.
- PROTECTION SLABS SHALL EXTEND BEYOND THE ROAD AS PER REQUIREMENTS DETAILED IN DUSUP GUIDELINE DP-OPSON-0152 FOR ROAD CROSSING AND DP-OPSON-0154 FOR ROADS RUNNING IN PARALLEL TO THE DUSUP PIPELINES.
- MAXIMUM GAP BETWEEN SLABS SHALL BE 20mm.
- CONSTRUCTION MATERIALS:

REINFORCEMENT BARS ASTM A615M GRADE 60 CONCRETE

CEMENT OPC TYPE V SULPHATE
RESISTING
CONCRETE GRADE C30
MINIMUM CEMENT CONTENT 380kg/m3
MAXIMUM WATER CEMENT RATIO 0.40
NO ADMIXTURES SHALL BE USED.
- CONCRETE COMPACTION SHALL BE BY MECHANICAL VIBRATION.
- PROTECTION SLAB SHALL BE COATED WITH 1.25mm DRY FILM THICKNESS (D.F.T.) NON-SOLVENT BITUMEN EMULSION PAINT.
- SLAB SHALL BE CURED FOR A MINIMUM OF 7 DAYS DURING WHICH TIME IT SHALL BE PROTECTED AGAINST HARMFUL EFFECTS OF HEAT, SUNSHINE, DRYING WINDS, COLD, RAIN OR RUNNING WATER.
- LIFTING HOOKS SHALL BE WRAPPED IN DENSO TAPE AND POCKETS FILLED WITH CEMENT SAND MORTAR AFTER PLACEMENT.
- MINIMUM BURIAL DEPTH FOR NEW CROSSINGS:
LOCATION MINIMUM COVER
ASPHALT AND RIG ROAD CROSSING 2.0m
SANDY TRACK CROSSINGS, GOVT. ROADS 1.5m
AND GATCH TRACK CROSSINGS
FOR EXISTING CROSSINGS A DEPTH OF 1.2m SHALL BE MAINTAINED.
- PROTECTION SLAB ON THIS DRAWING IS ONLY SUITABLE FOR METALLIC PIPELINES. IT SHALL NOT BE USED FOR HPDE/GRP PIPELINES.