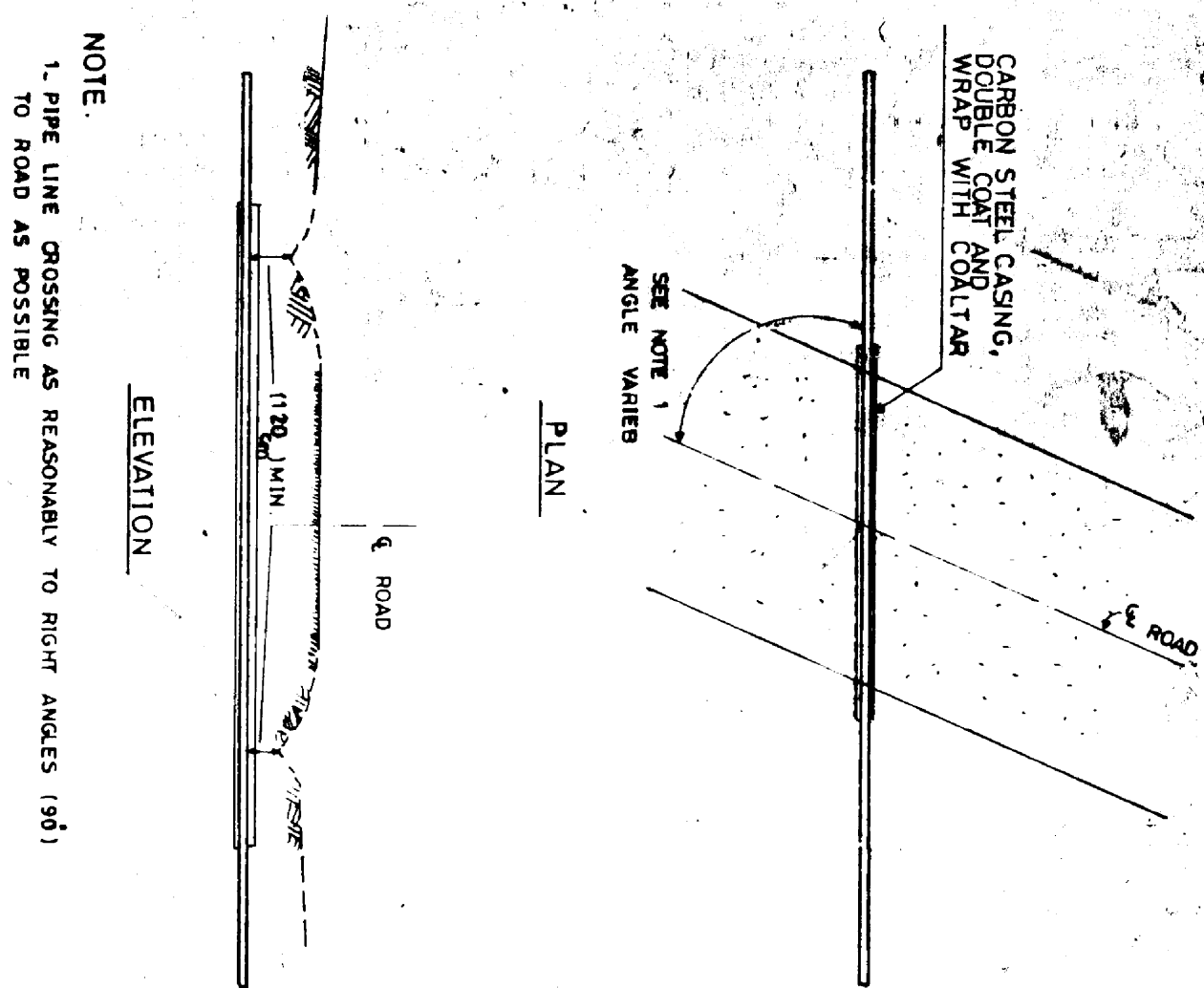
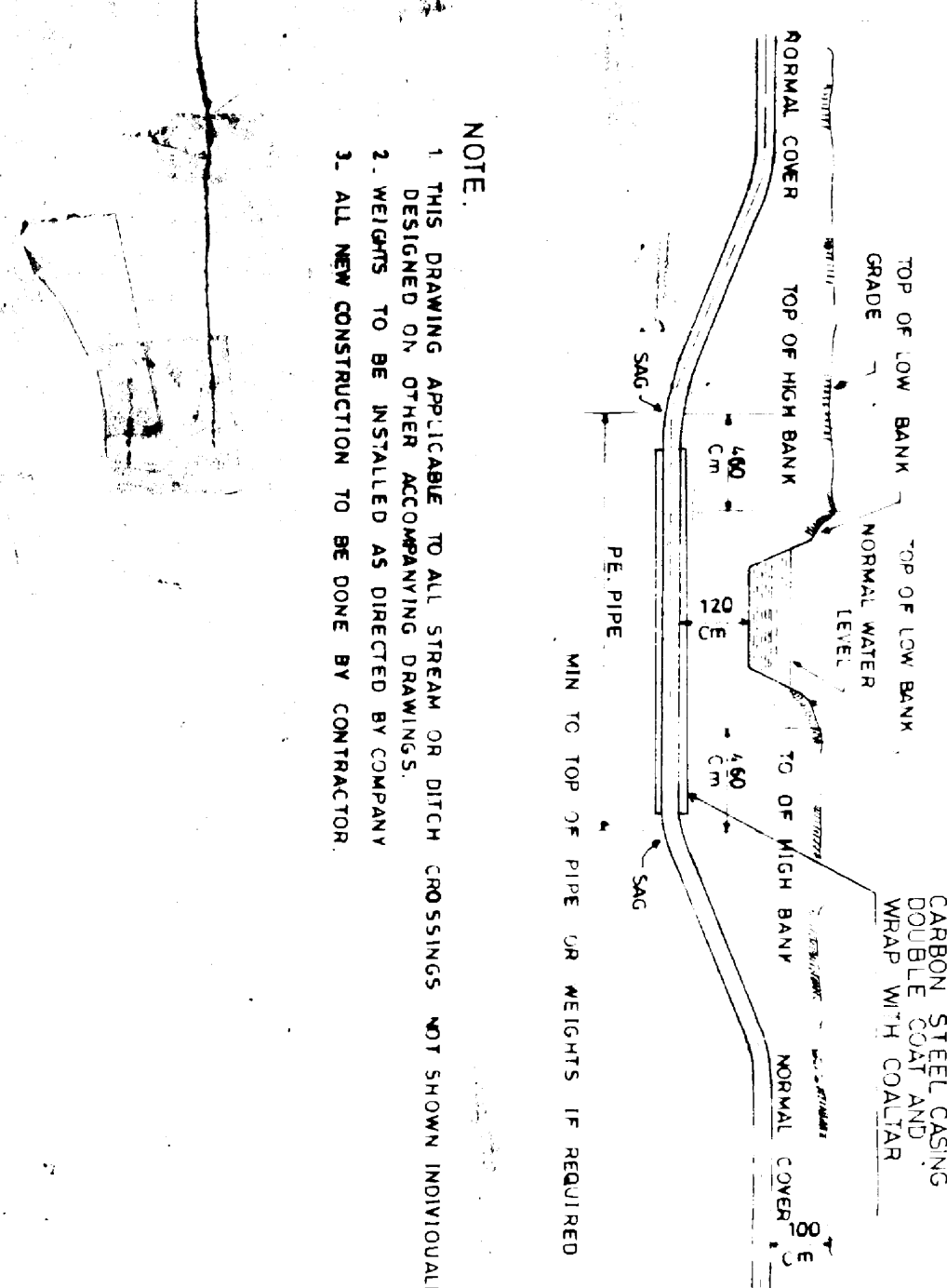


No. 1 TYPICAL PIPELINE UNDERCROSSING GRAVEL OR DIRT ROAD



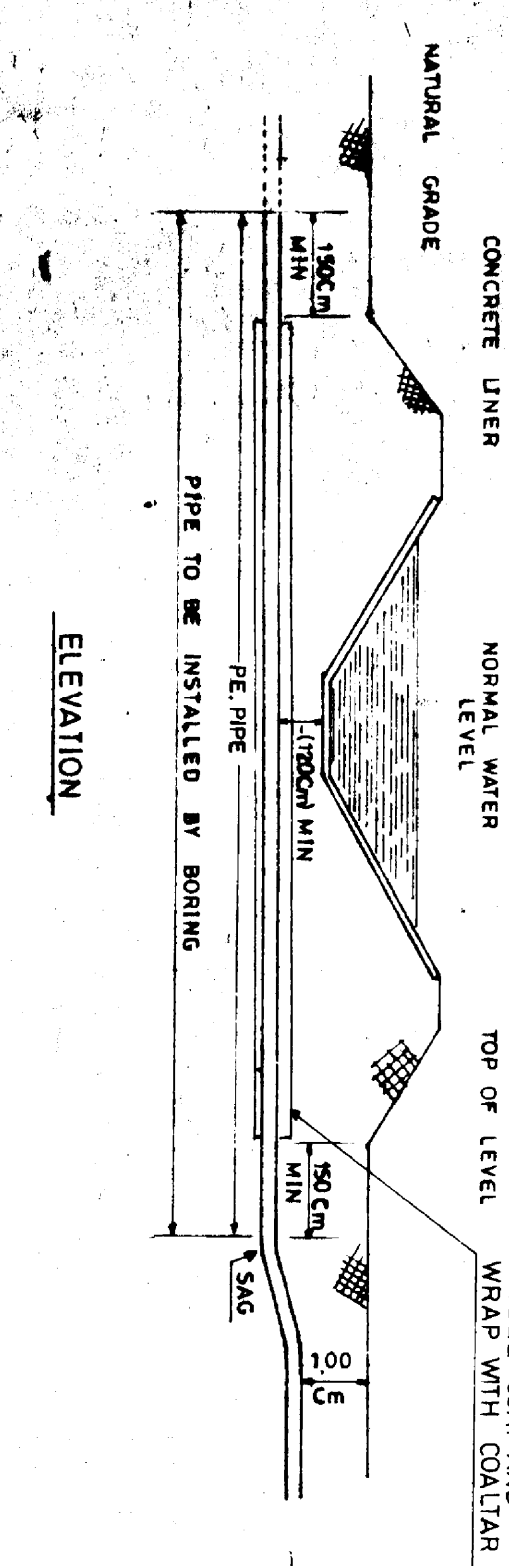
NOTE:
1. THE PIPE SHALL BE INSTALLED TO THE ROAD AS SHOWN.

No. 2 TYPICAL STREAM OR DITCH PIPELINE UNDERCROSSING



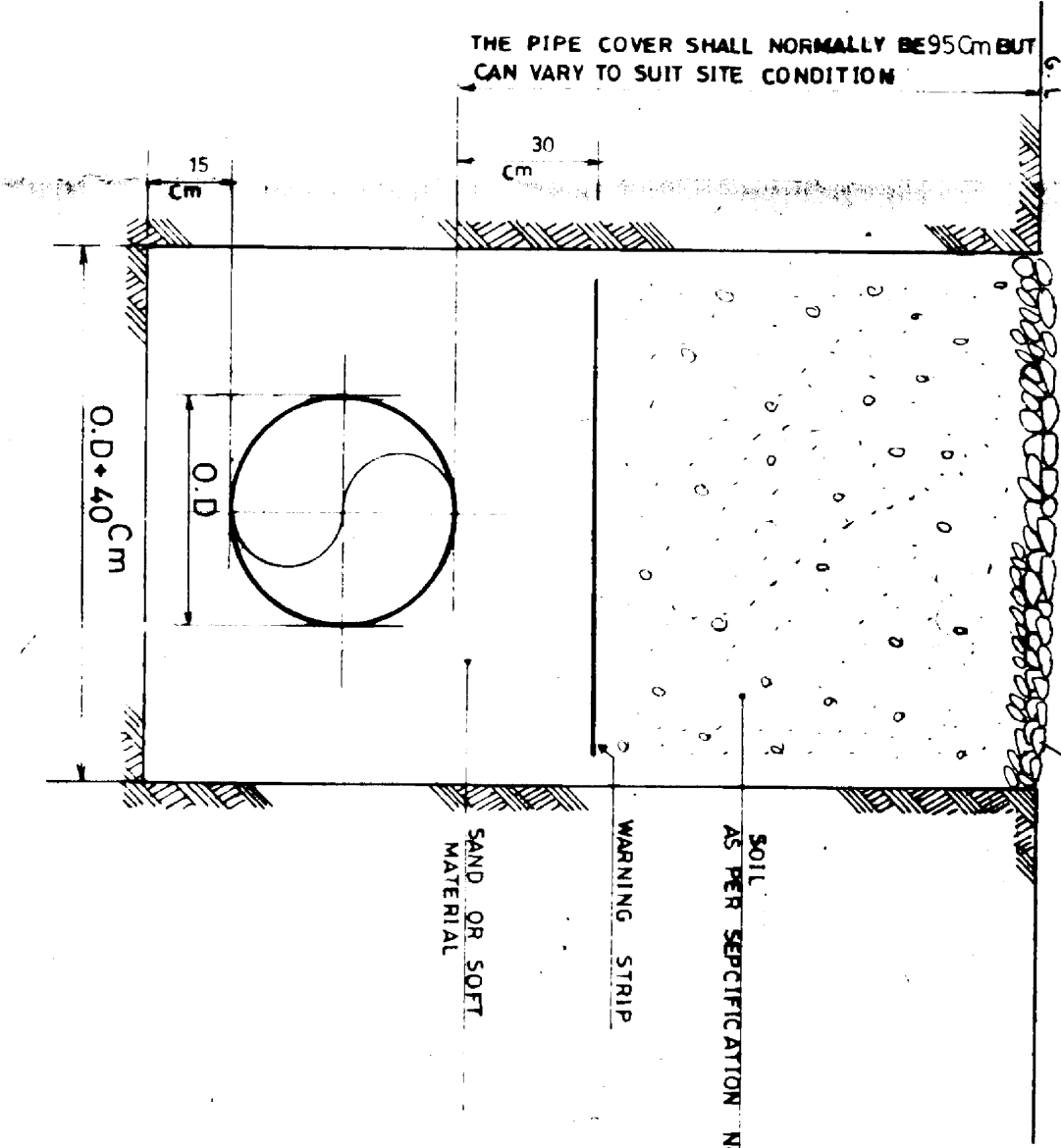
NOTE:
1. THE PIPE SHALL BE INSTALLED TO THE STREAM OR DITCH AS SHOWN.
2. THE PIPE SHALL BE INSTALLED TO THE STREAM OR DITCH AS SHOWN.
3. THE PIPE SHALL BE INSTALLED TO THE STREAM OR DITCH AS SHOWN.

No. 3 TYPICAL CONCRETE LINED CANAL UNDERCROSSING

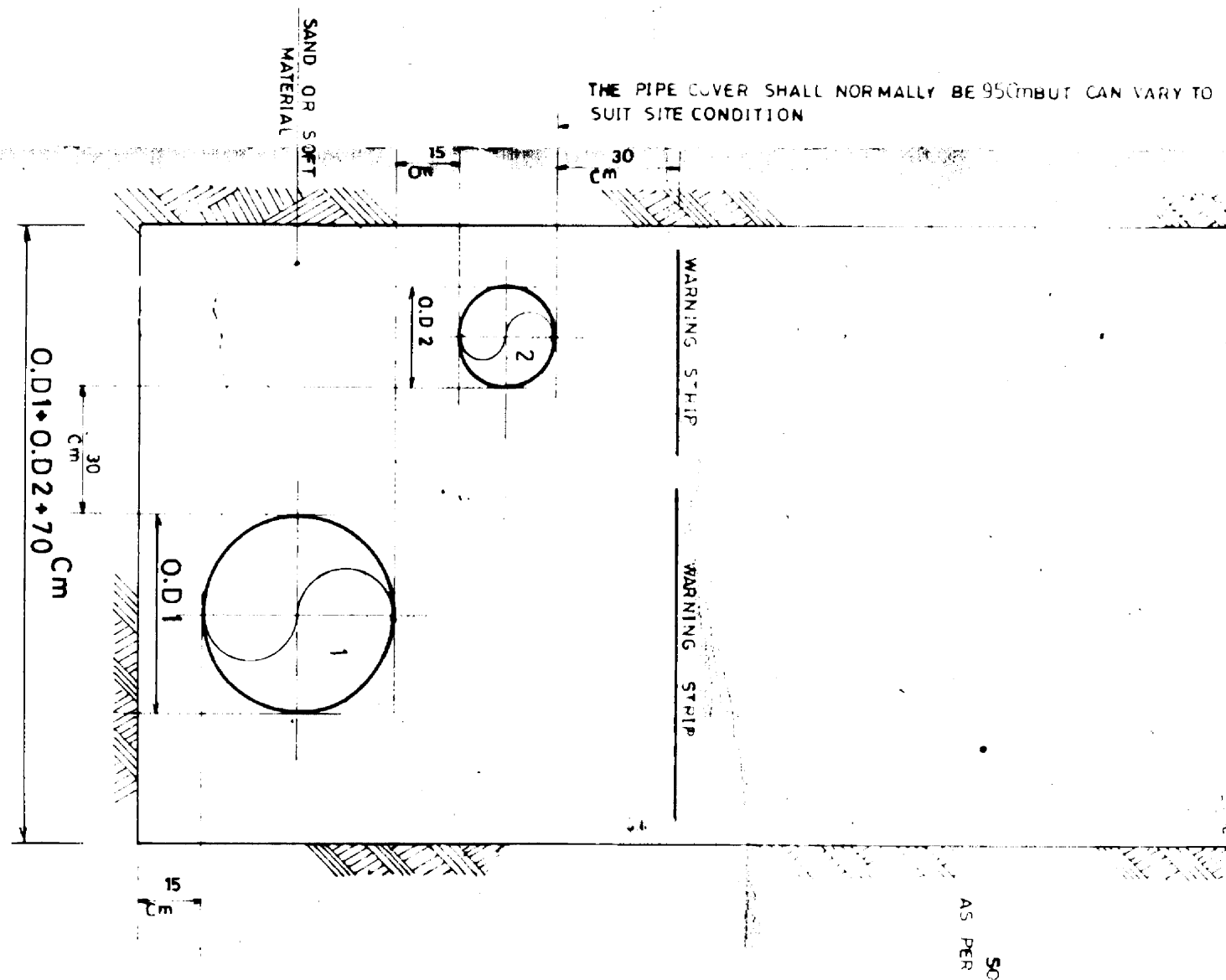


NOTE:
1. THE PIPE SHALL BE INSTALLED TO THE CANAL AS SHOWN.
2. THE PIPE SHALL BE INSTALLED TO THE CANAL AS SHOWN.
3. THE PIPE SHALL BE INSTALLED TO THE CANAL AS SHOWN.

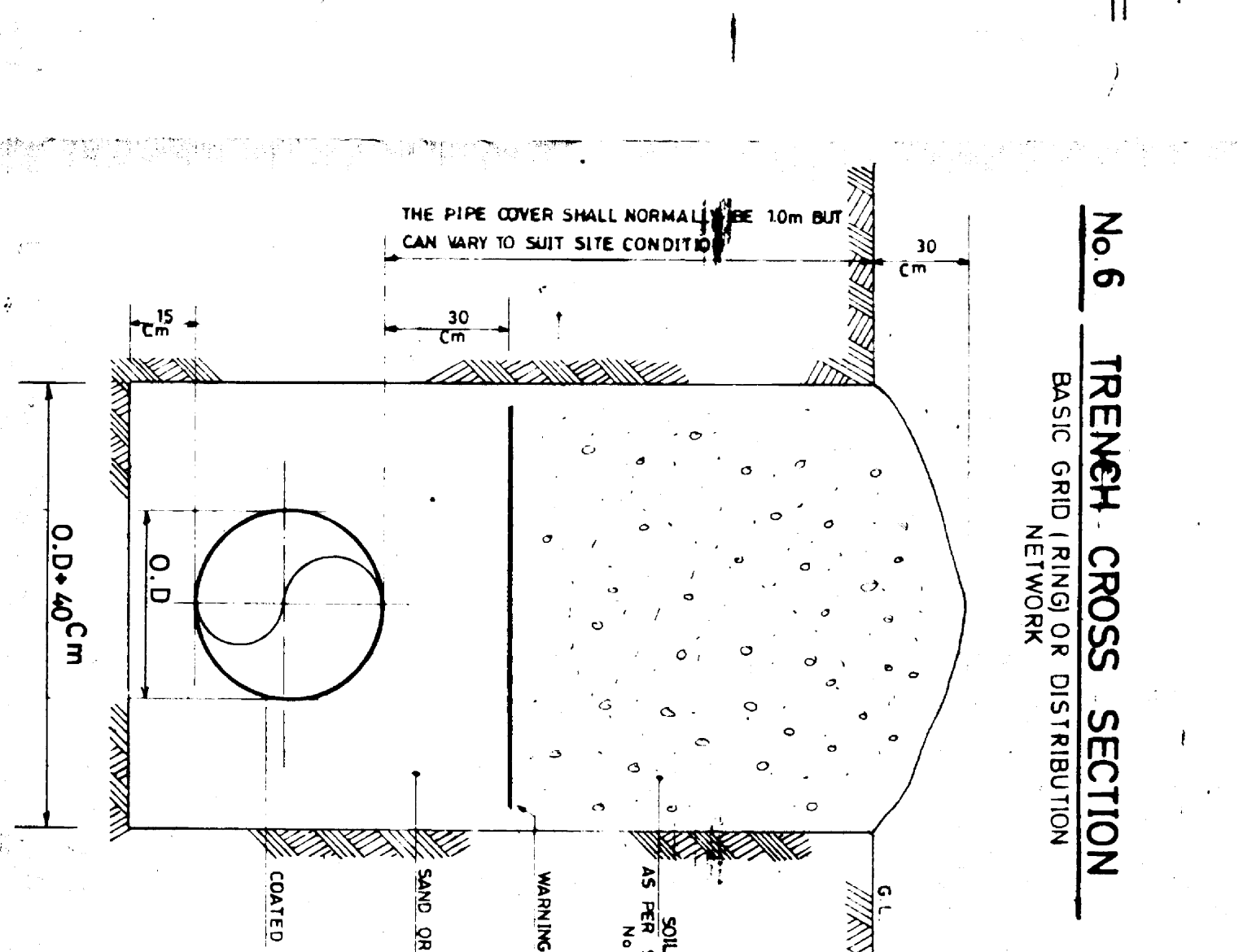
No. 4 TRENCH CROSS SECTION DISTRIBUTION NETWORK



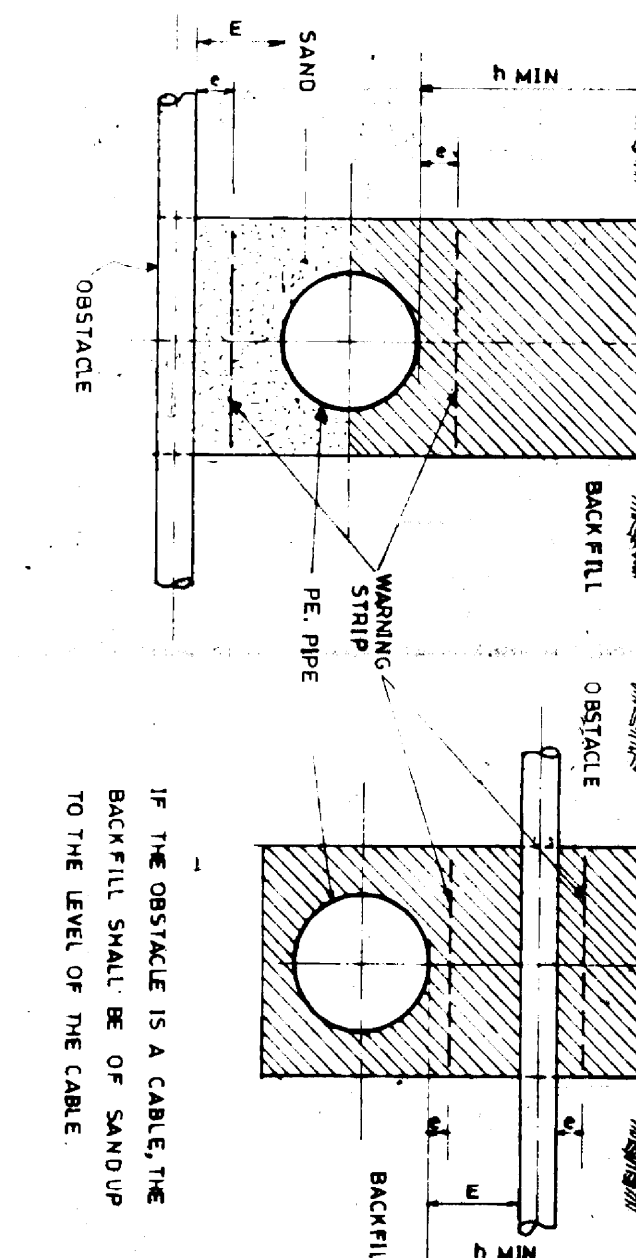
No. 5 TRENCH CROSS SECTION THE SAME AS NO. 4



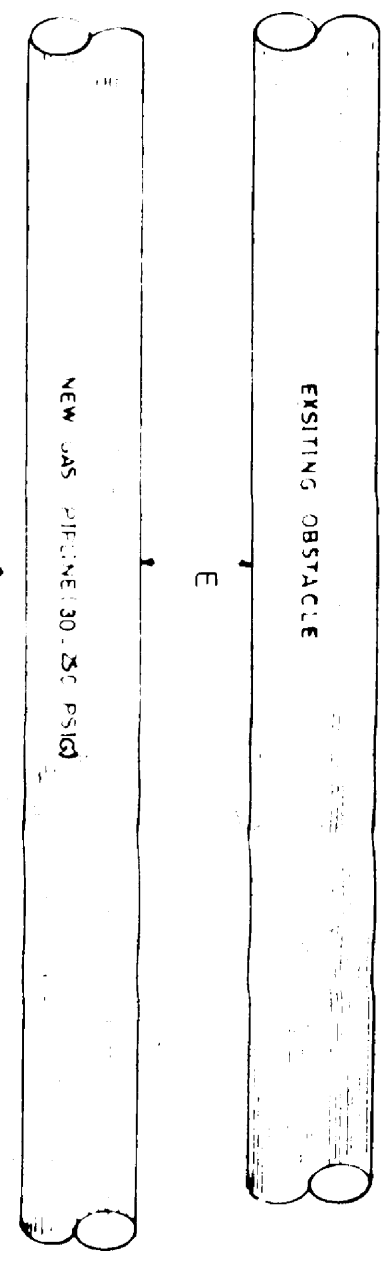
No. 6 BASIC GRID FOR GAS DISTRIBUTION NETWORK



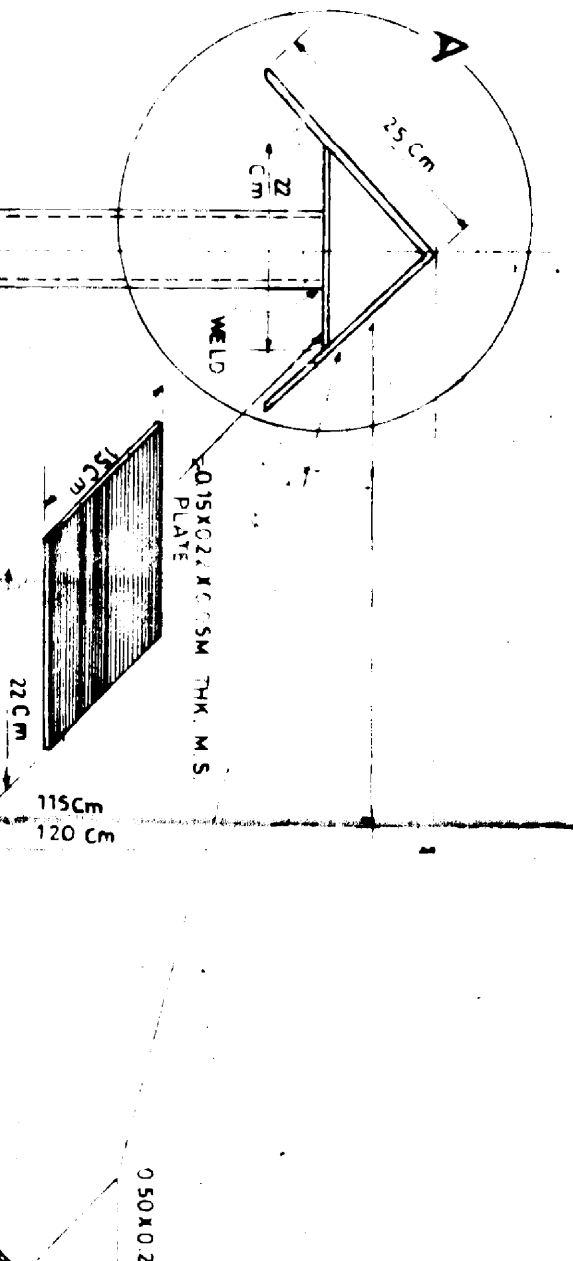
No. 7 VICINITY OF UNDER GROUND UTILITIES



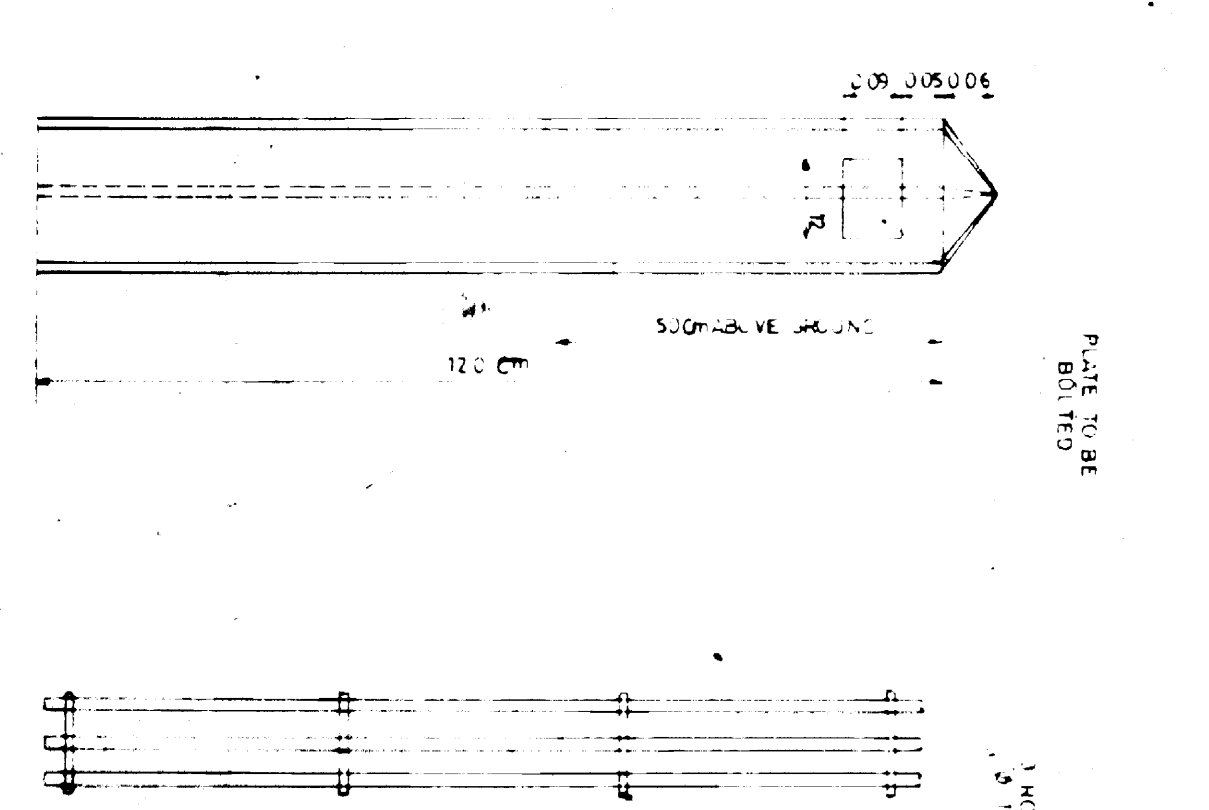
No. 8 VICINITY OF PARALLEL UNDER GROUND UTILITIES



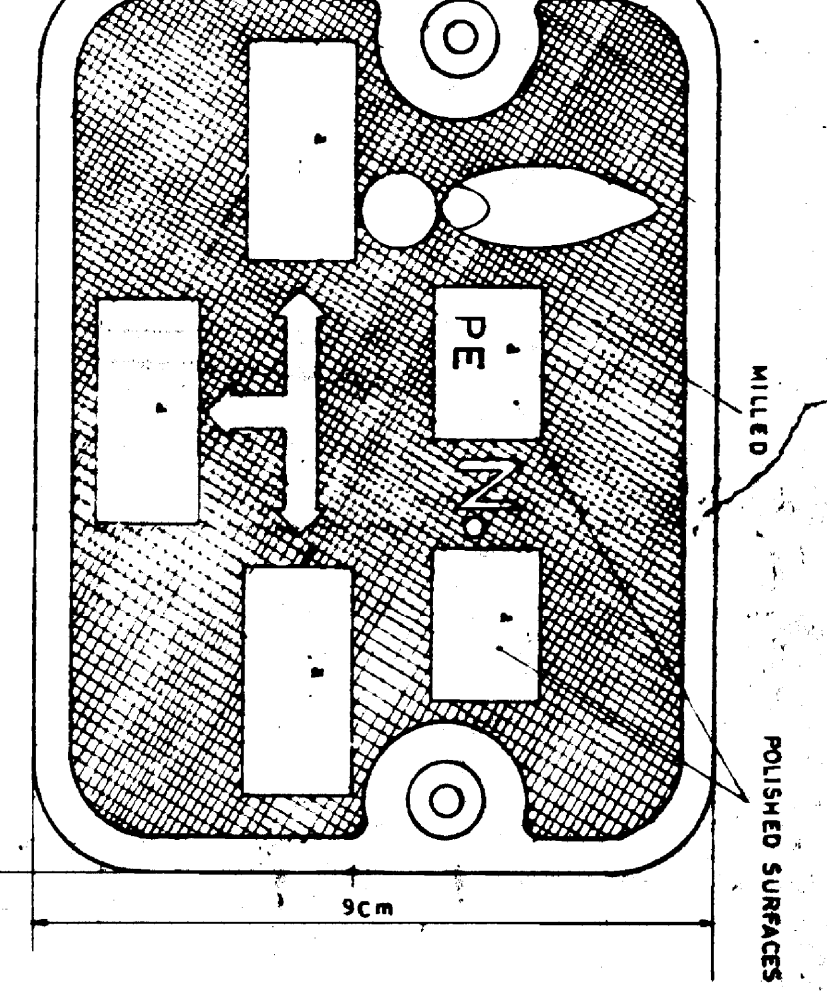
No. 9 TYPICAL GAS LINE MARKER



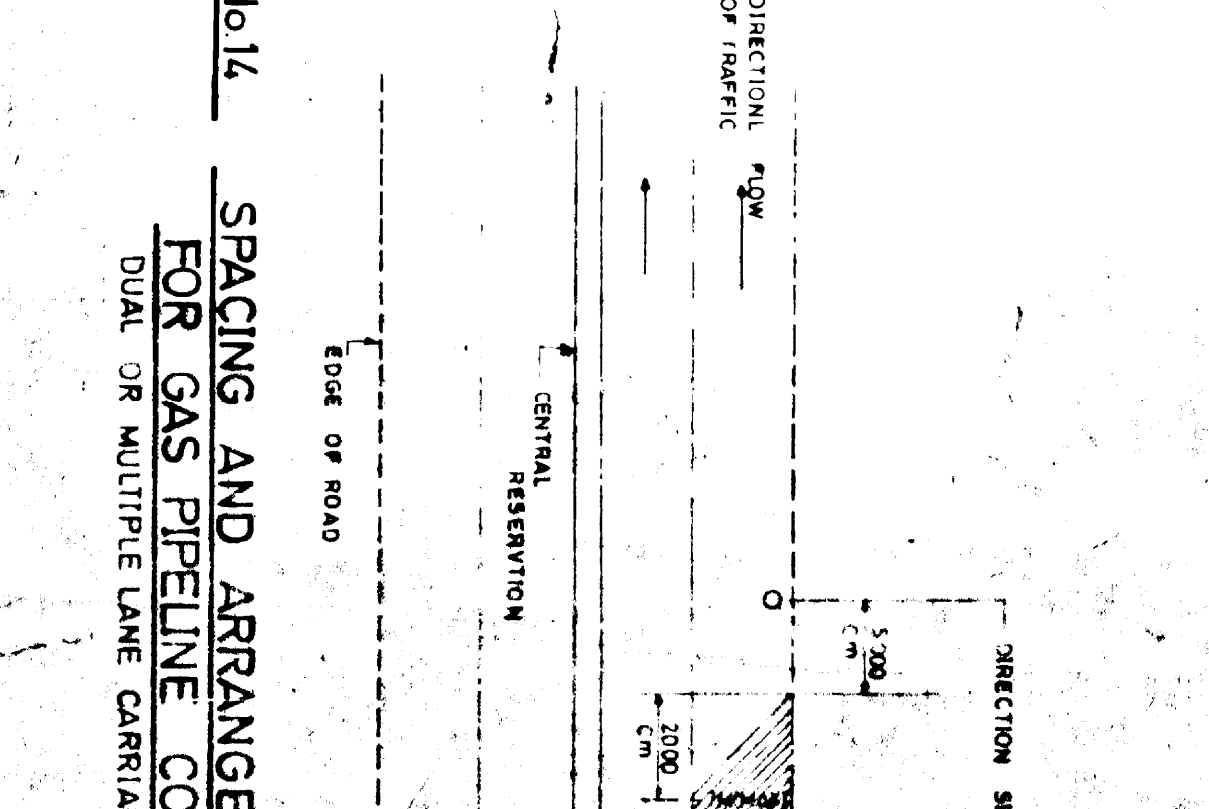
No. 10 TYPICAL MARKERS



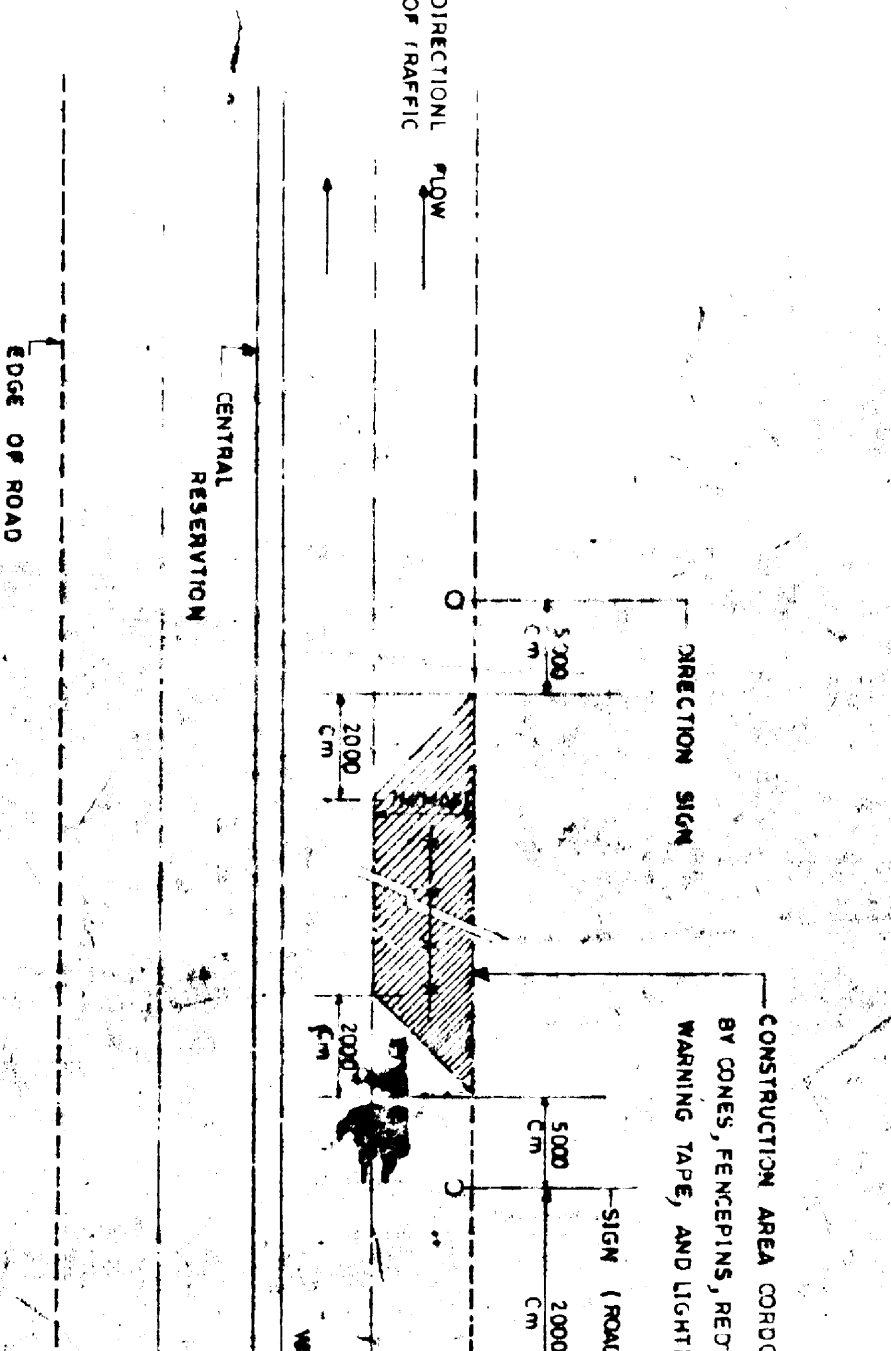
No. 11 VALVE INDICATOR PLATE



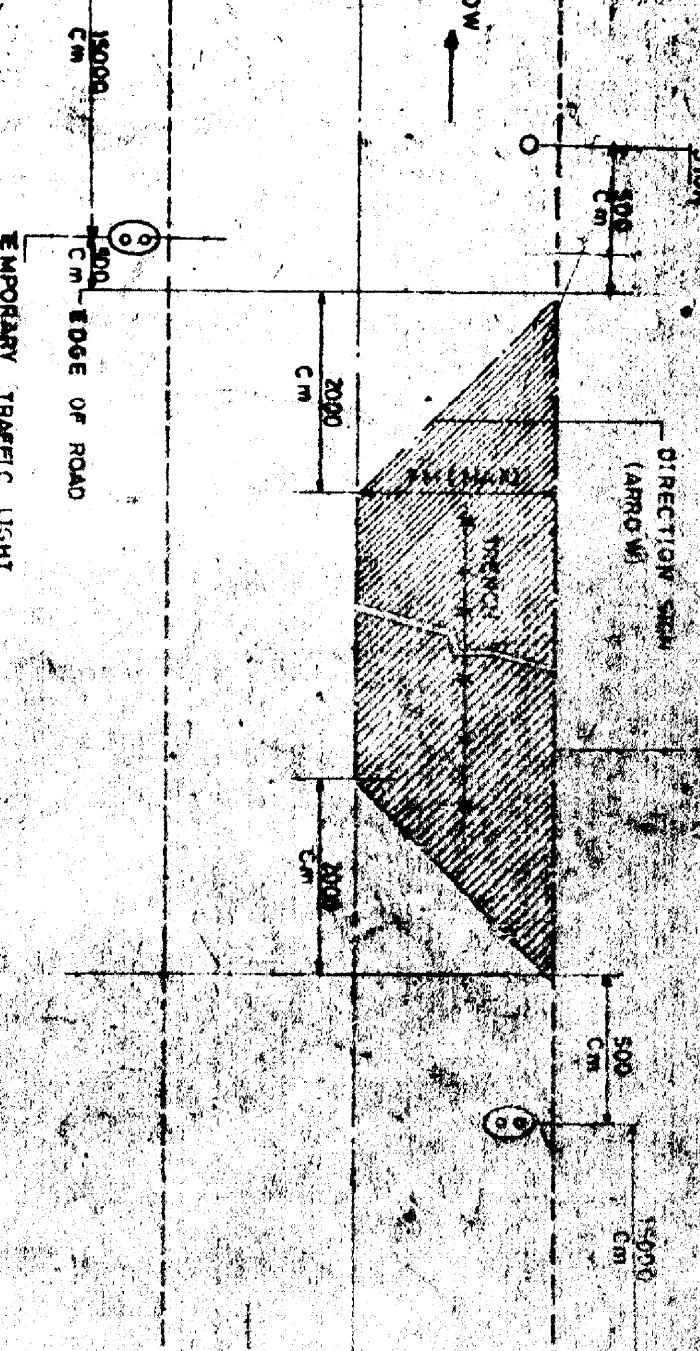
No. 12 TYPICAL INSULATION OF A PLUGGING POINT



No. 13 SPACING AND ARRANGEMENT OF ROAD SIGNS FOR GAS PIPELINE CONSTRUCTION



No. 14 SPACING AND ARRANGEMENT OF ROAD SIGNS FOR GAS PIPELINE CONSTRUCTION



NO.	DESCRIPTION	DATE	BY	CHECKED	APPROVED
1	DESIGN	1980	1	1	1
2	CONSTRUCTION	1980	1	1	1
3	OPERATION	1980	1	1	1
4	MAINTENANCE	1980	1	1	1
5	REPAIR	1980	1	1	1
6	REPLACEMENT	1980	1	1	1
7	RECONSTRUCTION	1980	1	1	1
8	REPAIR	1980	1	1	1
9	REPLACEMENT	1980	1	1	1
10	RECONSTRUCTION	1980	1	1	1

NATIONAL IRANIAN GAS COMPANY
ENGINEERING AND TECHNICAL SERVICES
POLYETHYLENE GAS DISTRIBUTION NETWORK
STANDARD DRAWING FOR PIPELINE UNDER CROSSING ROAD
DUAL OR MULTIPLE LANE CARRIAGEWAY ROAD
PE 5002