

1 2 3 4 5 6 7 8 9 10 11 12

A

B

C

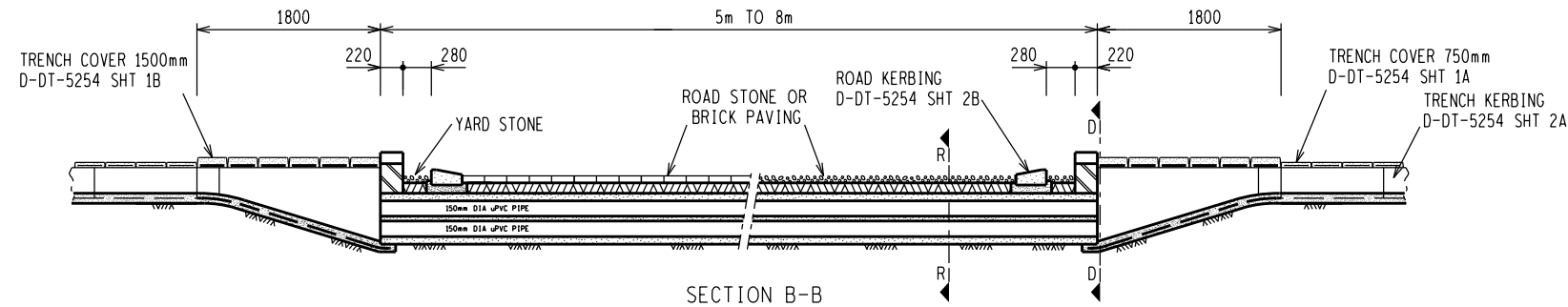
D

E

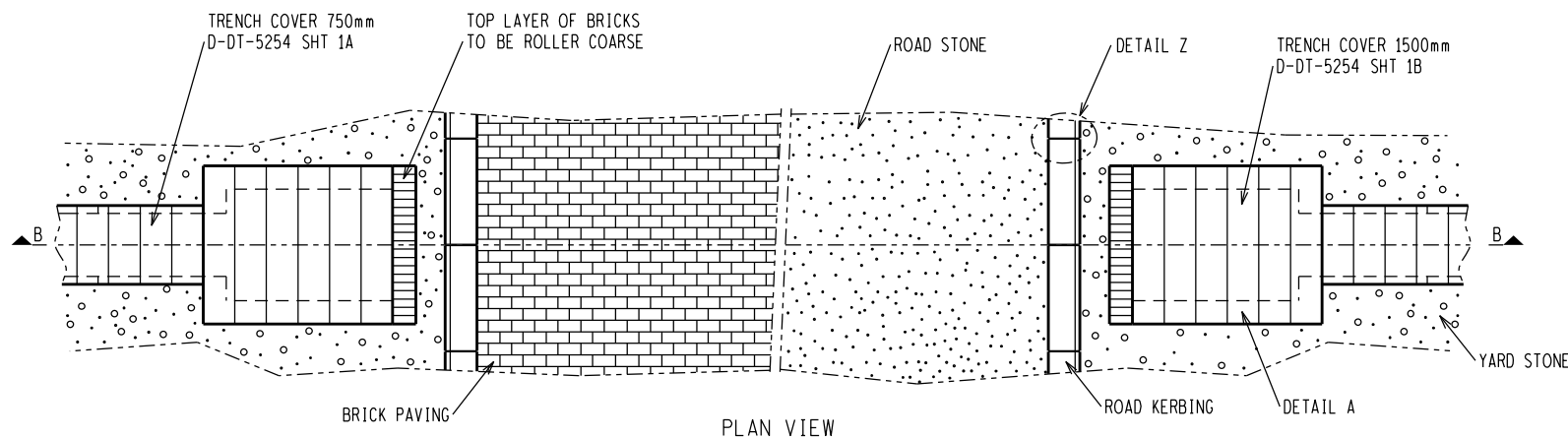
F

G

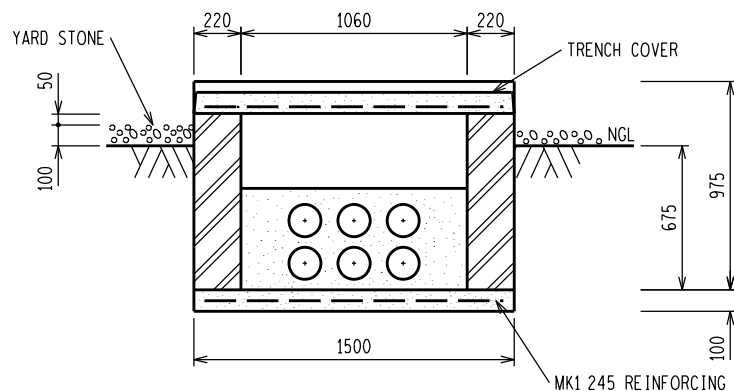
H



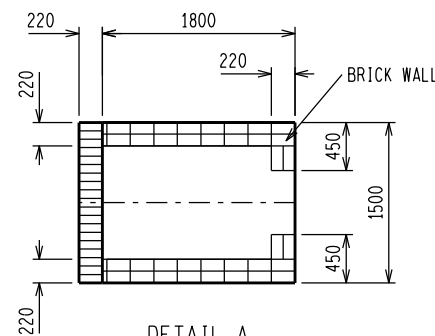
SECTION B-B



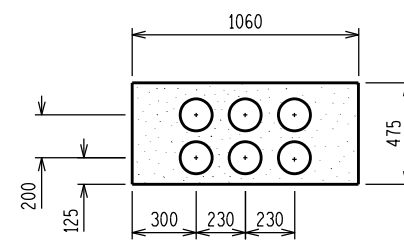
PLAN VIEW



SECTION D-D
1:25



DETAIL A
DETAILS OF BRICK WALL



SECTION R-R
1:25

NOTES:

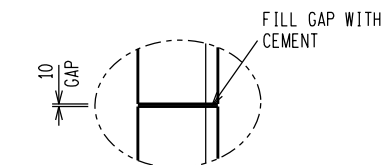
- 1 CONCRETE WORK TO BE IN ACCORDANCE WITH SANS 1200.
- 2 CONCRETE STRENGTH AT 28 DAYS = 25MPa.
- 3 CONCRETE STRENGTH FOR BLINDING LAYER AT 28 DAYS = 15MPa.
- 4 COMPACTION OF THE BOTTOM OF CONCRETE SLAB SHALL BE COMPACTED TO 93% OF MOD. AASHTO.
- 5 NO CONCRETE TO BE POURED WHERE THE AIR TEMPRATURE WILL DROP BELOW 4 DEG CELCIUS IN 8 HOURS AFTER POURING OF CONCRETE UNLESS A SUITABLE APPROVED ADDITIVE IS ADDED TO THE CONCRETE MIXES.
- 6 THIS IS SUITABLE ONLY FOR SOIL TYPE 1 AND 2.
- 7 TRENCH COVER AS PER DRAWING D-DT-5254 SHEET 1A AND 1B.
- 8 WALLS MUST BE CONSTRUCTED FROM FACE BRICKS COMPLYING TO SANS 227 AND APPROVED BY ESKOM.
- 9 ALL JOINTING MUST BE 10mm WIDE, RAKED AND CONSTRUCTED WITH A 1:4 (CEMENT:SAND) MORTAR MIX.
- 10 BRICK FORCE TO BE USED EVERY 2nd COURSE.
- 11 PIPE ENTRY FACE TO HAVE OFF SHUTTER FINISH.
- 12 IF PIPES TO BE LENGTHENED THE JOINTS MUST BE SMOOTH AND FLUSH.

REINFORCEMENT SCHEDULE

MK	TYPE & SIZE	NO REQUIRED TOTAL PER ITEM	CUTTING LENGTH	TOTAL LENGTH (m)	WEIGHT kg	SHAPE CODE	REMARKS
1	245	2	5.60m ²	-	13.72	-	1 x 245 SHEETS

SCHEDULE OF QUANTITIES @ 8m

EXCAVATION VOLUME = 12.72m ³
CONCRETE VOLUME = 4.09m ³
SMOOTH FACE BRICK (20MPa) = 1460
φ150 uPVC CLASS 6 PIPE = 48m
TRENCH COVER (1500mm) = 12



ENLARGED DETAIL Z

D-DT-5254	SHEET 3E	LV CABLE ROAD DUCT - 10 PIPE
D-DT-5254	SHEET 3D	LV CABLE ROAD DUCT - 8 PIPE
D-DT-5254	SHEET 3B	LV CABLE ROAD DUCT - 4 PIPE
D-DT-5254	SHEET 3A	LV CABLE ROAD DUCT - 3 PIPE
DRG NO.	SHEET NO:	REFERENCE DRAWINGS:

THIS DRAWING IS THE NEW OFFICIAL REVISION AND IT SUPERSEDES ALL OTHER PUBLISHED DRAWINGS						
0	FIRST ISSUE				/ /	
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
		SUBSTATION LV CABLE ROAD DUCT 6 - PIPE				
AUTH: N WEBBER	DATE: 13/08/2014	D-DT-5254				
CHKD: B HLOMENDLINI	DATE: 06/08/2014					
SCALE 1:50	DATE: 15/04/2014					
THIS DRAWING IS THE PROPERTY OF ESKOM		SET	SHEET	REVISION		
			3C	0		

1 2 3 4 5 6 7 8 9 10 11 12 A2L