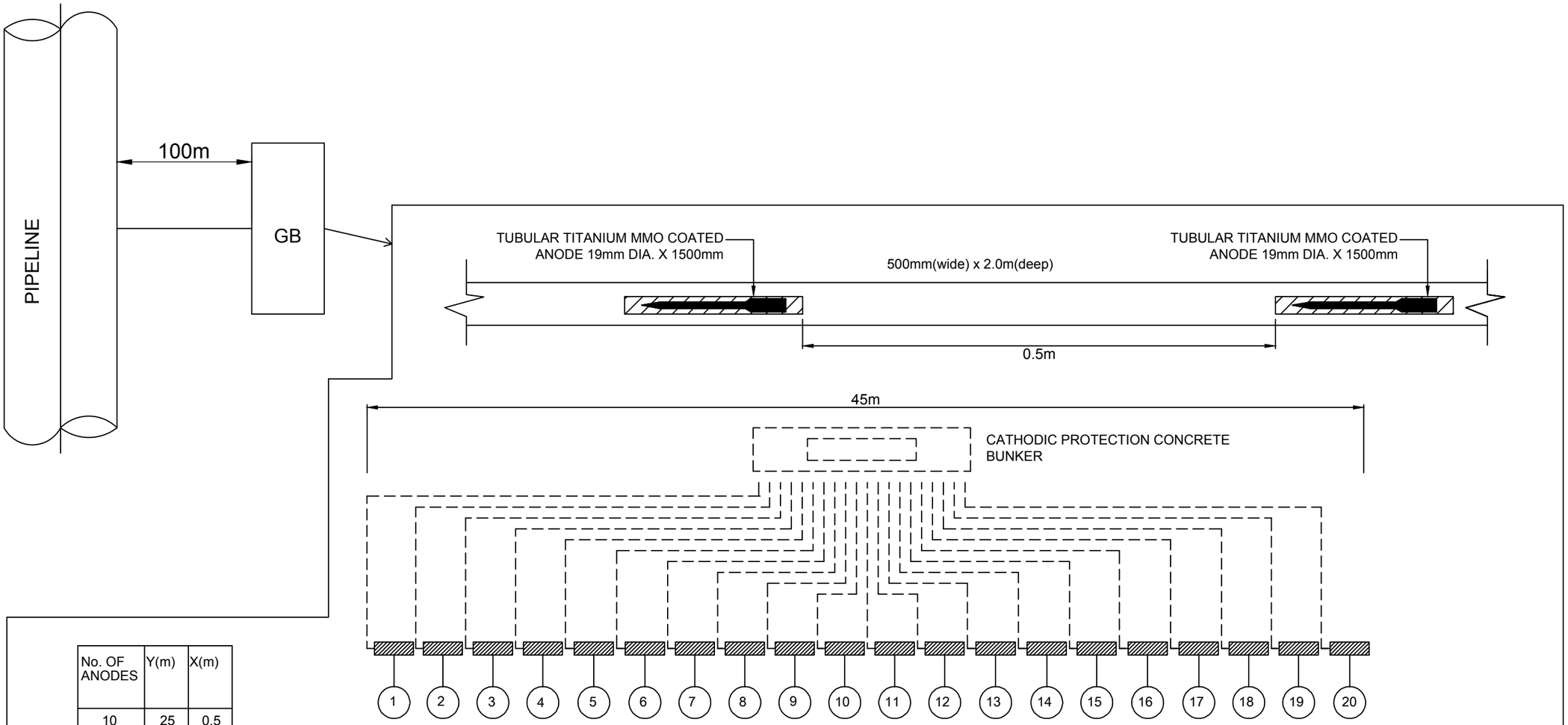
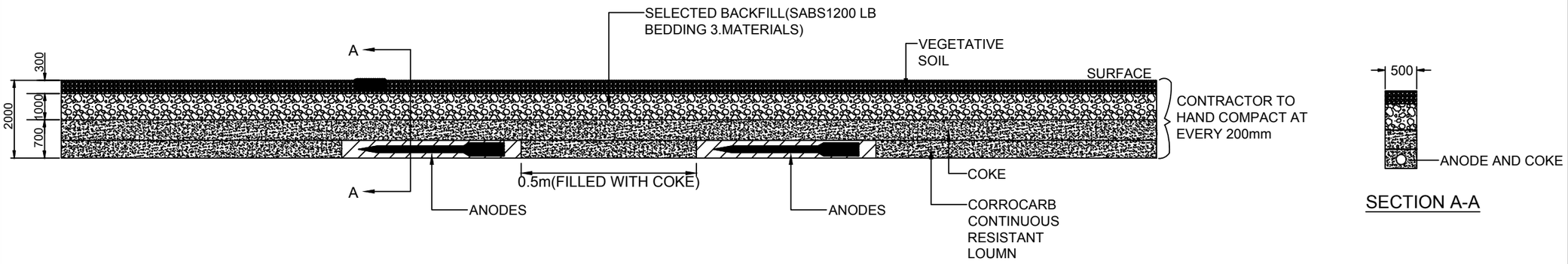


No. OF ANODES	Y(m)	X(m)
10	25	0.5
20	50	0.5
30	70	0.5
45	105	0.5

ANODES TO ANODE JUNCTION BOX ATTACHED TO LINK PANEL



SECTION A-A

RB 22675

NOTES

1). THE CONTRACTOR SHALL SUPPLY MIXED METAL OXIDE (MMO) ANODES AS ER TS002 AND BILL OF QUANTITIES

2). GROUND-BED SHALL CONSIST OF A NUMBER OF ANODES ARRANGED HORIZONTALLY WITH A SPACING OF 500mm BETWEEN THEM. THE DEPTH OF THE ANODE TRENCH SHALL BE AT 2m FROM THE NATURAL GROUND LEVEL, THE BOTTOM PART OF THE GROUNDED SHALL BE FILLED WITH CALCINED PETROLEUM COKE BETWEEN DEPTH 0 TO 500mm. SELECTED BACKFILL BETWEEN 700 TO 1700mm AND VEGETABLE SOIL FROM 1700-2000mm. COMPACTION OF GROUND-BED TO BE DONE AT EVERY 200mm.

3). CONCRETE BUNKER SHALL BE INSTALLED ON TOP OF THE ANODE GROUND-BED IN THE CASE OF A DEEP WELL AND AT A POSITION INDICATED BY THE ENGINEER IN THE CASE OF A SHALLOW VERTICAL GROUND-BEDS. THE ANODE TAILS SHALL ENTER THE ANODE JUNCTION BOX VI AN HDPE CONDUIT. THE POSITIVE CABLES FROM THE TRU-AS PER TS021-SHALL ALSO ENTER VIA AN HDPE CONDUIT. THE ANODE TAILS AND THE TRU POSITIVE CABLES SHALL BE TERMINATED ON A TINNED COPPER OR ALUMINUM BUS BAR AS PER DRAWING NUMBER 17301. THIS BUS BAR SHALL BE RATED TO 50A. THE BUS BAR SHALL BE MOUNTED INSIDE THE ENCLOSURE BY MEANS OF INSULATED STAND-OFFS

REVISIONS

No	DATE	CHK	APPR	DESCRIPTION

NUMBER	TITLE
RA25573	CATHODIC PROTECTION CONCRTE BUNKER

REFERENCE DRAWINGS

RAND WATER
BOX 1127
JOHANNESBURG
2000
TEL: 682-0911
T PHUTHA Pr. Tech
DESIGN OFFICE

JOB No		CHECKED	
CONTRACT No		SECTION HEAD	
SCHEME		APPROVED CAPACITY	Pr.TECH
DRAWN BY	LMALINDI	DATE	
DATE	06-01-2012		

CONSTRUCTION DRAWING :

HORIZONTAL GROUND BED

SCALE

STATION MKS DOC. TYPE S

RB 22675

REVISION 0