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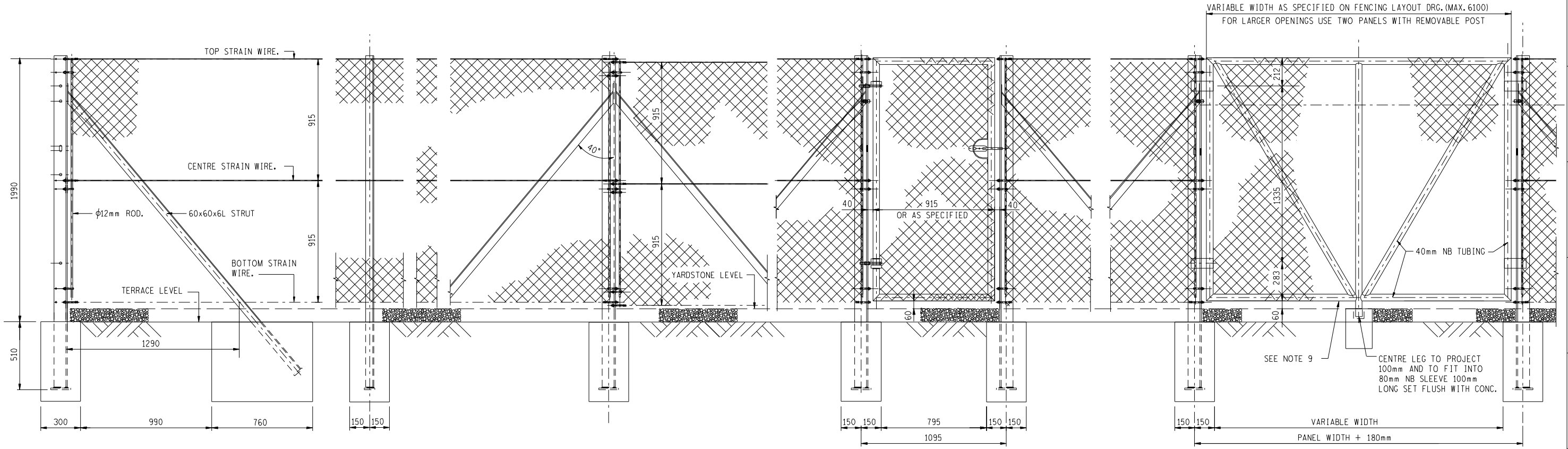
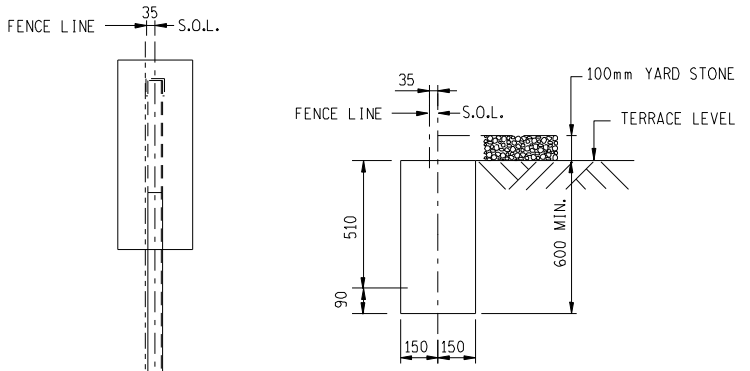
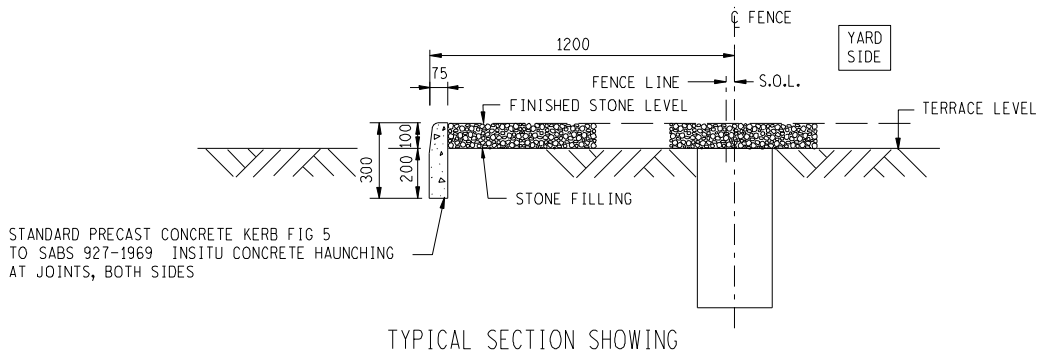


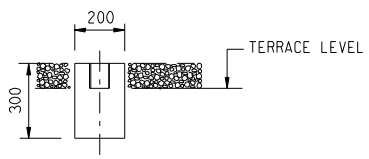
CORNER POST (CGP.) AND STRUT | INTERMEDIATE POST (IP.) | STRAIN POST (STP.) AND STRUTS | GATE POST (CGP.) AND STRUT | PERSONNEL GATE TYPE "A" | GATE POST (CGP.) AND STRUT | GATE POST (CGP.) AND STRUT | REMOVABLE PANEL | GATE POST (CGP.) AND STRUT



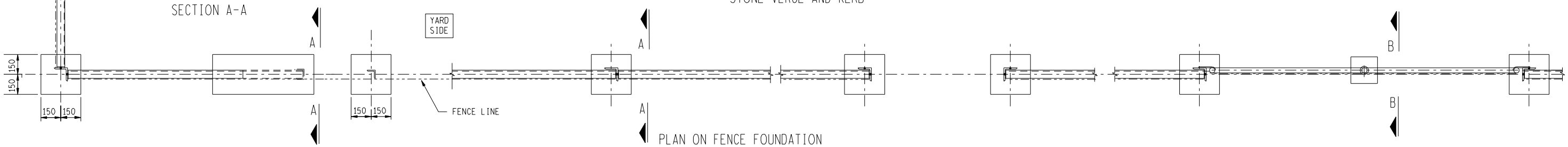
SECTION A-A



TYPICAL SECTION SHOWING STONE VERGE AND KERB



SECTION B-B



PLAN ON FENCE FOUNDATION

NOTES

1. ALL POSTS AND STRUTS TO BE SET IN CONCRETE GRADE 20/19. 12mm CONSTRUCTION JOINTS TO BE FORMED EQUALLY SPACED AT 4500mm CRS. MIN.
2. INTERMEDIATE POSTS TO BE ERECTED EQUALLY SPACED AT 4500mm CRS. MIN.
3. WHEREVER DISTANCES BETWEEN CORNER POSTS EXCEED 90m DOUBLE STRUTTED STRAIN POSTS SHALL BE ERECTED EQUALLY SPACED AT NOT MORE THAN 60m CRS.
4. ALL POSTS, STRUTS, ANGLES, BOLTS, NUTS, STRAIN BOLTS, HOOKS, ETC AND ALL GATES AND PANELS ARE TO BE HOT DIP GALVANISED AFTER FABRICATION IN ACCORDANCE WITH NWS 1404.
5. REPAIRS TO DAMAGED GALVANISING AND UNTREATED STEELWORK TO BE IN ACCORDANCE WITH NWS 1404.
6. AT ALL GATE AND REMOVABLE PANEL OPENINGS, THE STRAIN WIRE EYE BOLTS AND HOOK BOLTS SHALL BE ARRANGED WITH THE MINIMUM POSSIBLE PROTRUSION INTO SUCH OPENINGS, THE STRAINING BEING TAKEN UP AT THE NEAREST STRAIN POST. IF NO STRAIN POST, BUT ANOTHER GATE POST SHOULD BE THE NEXT STRAIN POINT AVAILABLE, THE ABOVE BOLTS SHALL BE CUT OFF AND PEENED OVER AT NUT, BOLT ENDS TO BE REPAIRED IN ACCORDANCE WITH NWS 1404.
7. ALL FENCE WIRE TO COMPLY WITH S.A.B.S. 675.
8. FENCES ARE TO BE 1830mm HIGH ALUMINIUM FENCE OR GALVANISED FENCE AS SPECIFIED

   ALUMINIUM FENCE WIRE :
   FABRIC ALLOY M57S 3,55 DIA. (9SWG) 50 CHAIN LINK.
   TENSION WIRE : ALLOY M57S 4,5 DIA.
   WIRE FABRIC TIES AND LINE POST TIES : ALLOY 3,15 DIA. (10 SWG)

   GALVANISED FENCE WIRE :
   64xϕ2,5mm GALVANISED DIAMOND MESH SUPPORTED ON THREE ϕ4mm GALVANISED STRAIN WIRES. IN MAKING OFF THE UPPER EDGE OF THE MESH, THE RAG END MUST BE TURNED UP PROVIDING BARBS AS SHOWN ON THE CORNER POST DETAILS. POSTS ARE PROVIDED WITH TWO SETS OF HOLES FOR THE STRAIN WIRES. THE MESH TO BE STRAINED BY MEANS OF ϕ10mm GALV HOOK BOLTS ENGAGED WITH ϕ12mm ROD PASSED VERT THROUGH THE END COIL OF THE MESH. THE STRAIN WIRE TO BE STRAINED WITH ϕ10mm GALV STRAIN BOLT 100mm LONG.
9. ϕ6mm HOLES TO BE DRILLED TO BOTTOM OF REMOVABLE PANEL, AT ±300 CRS., BEFORE GALVANISED
10. GRADIENT TO BE CONSTANT BETWEEN STRAIN POINTS.

THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWINGS 0.54/4963 SHEETS 2, 3, & 4

REV	AUTH	DATE	REVISION/REVISIES	BY	CHKD	REFERENCE DRAWINGS
1	DJC.S.	5.8.98	KERB DETAIL FOR STONE VERGE REVISED	DJC.S.		4963 SH 4 FENCE GATE HINGE DETAIL
0			FIRST ISSUE / EERSTE UITREIKING			4963 SH 3 FENCE POSTS DETAILS
			INDEX REF/INDEKSVERW	DEUR	NAGES	0.54/ VERW'SYSINGSTEKENINGE
						4963 SH 2 FENCE GATE DETAILS

DRG.TEK REGISTR		
CHKD NAGES	O. SENEKAL	DEC. 1995
DRAWN GETEKEN		NOV. 1995
SCALE SKAAL	1:15	

TRANSMISSION SUBSTATION TECHNOLOGY DEPARTMENT
ESKOM

HV YARD SAFETY FENCE
WITH STEEL POSTS ARRANGEMENT
FOUNDATION DETAILS

PLOT SCALE	1:150
CAD DRAWING NAME:	HVFENCE1.DGN
THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM AND ANY AMENDMENT TO THE DRAWING MUST BE EFFECTED ONLY ON THE C.A.D. SYSTEM.	

APPROVED M vd ENDE | GOEDGEKEUR | 95 12 06

0.54/4963 SHEET 1 REV 1

SIZE GROOTTE A1L