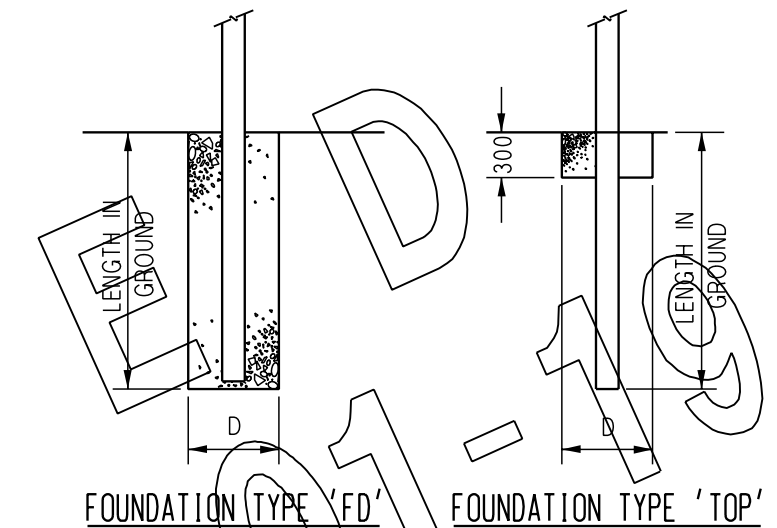


POLE DATA				POLE STRENGTH		FOUNDATION STRENGTH										
POLE TYPE	LENGTH	LENGTH IN GROUND	MATERIAL SECTION	MAX. PERMISSIBLE FORCE AT TOP OF POLE (kN)		EQUIVALENT POLE TOP LOADING (kN) - (SEE NOTES 4 & 5)										
						SOIL GROUP 1 (GOOD)		SOIL GROUP 2 (MED.)		SOIL GROUP 3 (POOR)						
LINE	METRES	METRES	mm	STRONG DIRECTION	WEAK DIRECTION	TOP	FD	TOP	FD	TOP	FD	TOP	FD	TOP	FD	
						D=610	D=610	D=770	D=770	D=610	D=610	D=770	D=770	D=610	D=610	D=770
9A	9.0	1.7	100X50	4.9	1.4	1.7	13.7	-	17.3	1.1	6.8	-	8.6	0.6	3.4	4.3
9B	9.0	1.7	150X75	8.9		2.4	13.7	-	17.3	1.6	6.8	-	8.6	0.84	3.4	4.3
9C	9.0	1.7	200X75	11.7	6.6	3.3	13.7	-	17.3	2.2	6.8	-	8.6	1.1	3.4	4.3
10.5A	10.5	1.8	100X50	4.1	1.2	1.7	13.6	-	17.2	1.1	6.8	-	8.6	0.6	3.4	4.3
10.5B	10.5	1.8	150X75	8.6	3.2	2.4	13.6	-	17.2	1.6	6.8	-	8.6	0.8	3.4	4.3
10.5C	10.5	1.8	200X75	11.4	5.5	3.3	13.6	-	17.2	2.2	6.8	-	8.6	1.1	3.4	4.3
12B	12.0	2.0	150X75	8.1	2.8	3.0	16.3	-	20.5	2.0	8.1	-	10.3	1.0	4.1	5.1
12C	12.0	2.0	200X75	11.0	4.8	4.0	16.3	-	20.5	2.6	8.1	-	10.3	1.3	4.1	5.1
13.5B	13.5	2.1	150X75	8.2	2.4	3.0	16.5	-	20.9	2.0	8.3	-	10.4	1.0	4.1	5.2
13.5C	13.5	2.1	200X75	11.7	4.2	4.0	16.5	-	20.9	2.7	8.3	-	10.4	1.3	4.1	5.2
16.5	16.5	3.15	250X90	16.2	6.7	-	-	14.6	45.0	-	-	9.7	30.0	-	4.8	15.0
SERVICE	9.1	1.7	100NBx 4.5THK	0.66	0.66	-	D=230 3.8	-	-	-	D=230 2.5	-	-	D=230 1.2	-	-
STREET LIGHT	9.1	1.7	150NBx 4.9THK	1.7	1.7	-	D=450 7.5	-	-	-	D=450 5.0	-	-	D=450 2.5	-	-
STREET LIGHT 'B'	10.7	1.7	150NBx 4.9THK	1.07	1.07	-	-	-	-	-	-	-	-	-	-	-
STREET LIGHT 'C'	10.7	1.7	150NBx 4.9THK	4.9	4.9	2.25	8.2	-	10.5	1.5	5.5	-	7	0.75	2.73	3.5
13.5SWER	13.5	2.0	150UC37	2.94	2.84	-	-	-	-	-	-	-	-	-	-	-



- NOTES:**
- SOIL RUPTURE INTENSITY - THE WORST EXPECTED CONDITIONS SHOULD BE USED WHEN ESTIMATING THE STRENGTH OF POLE FOOTINGS FOR SOILS WHICH ARE DEFINED AS FOLLOWS:-
 - * SOIL GROUP 1 (GOOD BEARING 300kPa/M) WELL COMPACTED ROCK SOIL. HARD CLAY AND WELL BONDED SAND AND GRAVEL WITH GOOD SURFACE WATER DRAINAGE AND FOOTING NORMALLY ABOVE WATERTABLE.
 - * SOIL GROUP 2 (MED. BEARING 200kPa/M) COMPACT MEDIUM CLAY. WELL BONDED SANDY LOAM. BONDED SAND AND GRAVEL WITH REASONABLE SURFACE WATER DRAINAGE.
 - * SOIL GROUP 3 (POOR BEARING 100kPa/M) SOFT CLAY. POOR COMPACTED SAND AND SOILS THAT TEND TO ABSORB LARGE AMOUNTS OF WATER, PROVIDED THESE DO NOT DEVELOP INTO SLUSH.
 - FOUNDATION STRENGTH DERIVED IN STRONG DIRECTION OF POLE FOR FOUNDATION TYPE 'TOP'.
 - MAXIMUM PERMISSIBLE POLE TOP FORCE EQUALS 50% OF PERMANENT DEFORMING FORCE (DOES NOT INCLUDE WIND LOADING ON POLE).
 - REFER DRAWING S01-04-01-17 FOR USE OF STAYS WHERE DESIGN POLE TOP LOADING EXCEEDS FOOTING OR POLE STRENGTH, AND FOR POLE WIND LOADS.
 - STREETLIGHT 'C' (10.7m) TO BE CONCRETE FILLED TO APPROXIMATELY 3/4 OF COLUMN HEIGHT.

<p>3 SWER POLE DATA ADDED. DRAWING SUPERCEDED.</p> <p>2 NOTE 4 AMENDED. NOTE 6 REMOVED.</p> <p>1 10.7m STREETLIGHT STRENGTHS ADDED, NOTE 6 ADDED.</p>						R.G.I	DEC'99	-	F.R.R		DES	J.P.KING	POWER STANDARD DRAWING			
AMENDMENTS						J.A.L	JAN'97	A.G.B	F.R.R		DRN	g.mckinnon	DESIGN DATA POLE AND FOUNDATION STRENGTHS SELECTION TABLE			
						p.mc	JUN'90	-	N.S.		CKD	J.P.KING				
											APPD	B.T.KENT				
NO	DESCRIPTION					DRN	DATE	CKD	APPD	SCALE	NO SCALE	A3	DRAWING NUMBER	S01-04-01-16		
											ISSUED					JUL'87
											ALL DIM.	IN mm	DRAFTING STANDARD TO A.S.1100			