



REHABILITATION OF POLE STRUCTURE AT GROUND LEVEL

PROCEDURE FOR REHABILITATION AND REPAIR OF CORRODED AREAS AT GROUND LEVEL OF POLE STRUCTURE

1. REMOVE GRASS 'SODS' (IF PRESENT) FROM AROUND THE BASE OF THE POLE TO A DIAMETER OF 1m. SAVE SODS AND TOPSOIL WHERE APPROPRIATE FOR USE IN REINSTATEMENT.
2. EXCAVATE AROUND THE BASE OF THE POLE TO A MINIMUM OF 300mm AND REMOVE ALL EXCAVATED MATERIALS FROM THE SITE OF THE WORKS. EXCAVATION MAY REQUIRE THE REMOVAL OF THE EXISTING CONCRETE FOOTING.
3. INSPECT POLE BASE FOR CORROSION AND ASSESS IF WELDING WORKS ARE REQUIRED.
4. **NOTE:** SHOULD A POLE REQUIRE REPLACEMENT AS DETERMINED BY THE SUPERINTENDENT THEN ALL WORK ON THAT POLE SHALL CEASE AND POWER AND WATER SHALL REPLACE THE POLE.
5. CLEAN THE AREA OF THE POLE TO BE TREATED TO A BRIGHT STEEL FINISH USING A NEEDLE GUN AND WIRE BRUSH TO ACCESS ALL CONFINED AREAS.
6. (IF WELDING WORKS REQUIRED) PLACE 6mm PLATE TO COVER CORROSION AREA AND EXTEND 100mm PAST THE CORRODED TOP AND BOTTOM FOR THE FULL WIDTH OF THE WEB. WELD PLATE TOP AND BOTTOM WITH A FILLET WELD AND THE SIDES WITH A SEAL WELD.
7. APPLY A PROTECTIVE COATING SIMILAR TO "WATTYL SIGMACOVER" TCP COATING 300mm ABOVE AND BELOW THE CENTRE LINE OF THE GROUND LEVEL PLATE.
8. PREPARE OLD CONCRETE AREA BY SCABBLING AND APPLY BONDING AGENT SIMILAR TO "LOCKCRETE" AND FORM UP AND PLACE CONCRETE CAP OVER EXISTING POLE FOOTING. CIRCULAR FORMERS MUST BE USED ON ALL POLE FOUNDATIONS.
9. CONCRETE SHALL BE CLASS N20 WHICH HAS A COMPRESSIVE STRENGTH AT 28 DAYS (AS DEFINED AS 3600) OF 20MPA AND A MAXIMUM AGGREGATE SIZE OF 20mm.
10. REPLACE CONCRETE TO 100mm ABOVE GROUND LEVEL AND SLOPE TO SHED WATER. FILL INSIDE OF POLE WITH CONCRETE TO TOP OF GROUND LEVEL PLATES AND SLOPE TO SHED WATER.
11. REMOVE FORMWORK AND REINSTATE AREA AND REPLACE GRASS 'SODS' AND TOPSOIL AS REQUIRED.
12. FOR WELDED POLE AND FOUNDATION STRENGTHS REFER TO S01-4-1-16 FOR BOLTED POLE AND FOUNDATION STRENGTHS REFER TO S01-4-1-21

NO	DESCRIPTION	DRN	DATE	CKD	APPD
4	NOTE 12 ANENDED	C.C.	NOV'11	A.T.	S.C.
3	GROUND LEVEL PLATE NOTE ADDED	J.C.	MAR'09	A.T.	S.C.
2	REHABILITATION OF POLE STRUCTURE AT GL INCLUDED	A.S.	SEP'06	J.G.	S.C.
1	ISSUED FOR CONSTRUCTION	A.S.	SEP'02	M.B.	M.B.
AMENDMENTS					



DES	M.BOCK	POWER STANDARD DRAWING		
DRN	A.SCHMID	POLE STRUCTURES		
CKD	J.GOLDSMITH	FOUNDATION		
APPD	M.BOCK	GROUND LEVEL DETAILS AND REHABILITATION		
SCALE	1:5	OF POLE STRUCTURE AT GROUND LEVEL		
ISSUED	JULY'02	A3	DRAWING NUMBER	S01-2-5-29
ALL DIM. IN	mm			
DRAFTING STANDARD TO AS.1100		CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT