STANDARD DRAWING NOTES AND SPECIFICATION:

GENERAL:

- 1. ALL TELECOMMUNICATION ANTENNA AND ASSOCIATED EQUIPMENT INSTALLATIONS SHALL BE UNDER A LICENSED AGREEMENT WITH POWER AND WATER.
- 2. THIRD PARTY EQUIPMENT SHALL NOT BE INSTALLED ON POLES WITH EXISTING EQUIPMENT SUCH AS TRANSFORMERS, GBS, ABS, RECLOSERS AND CABLE TERMINATION.
- 3. ALL PERSONNEL WORKING ON THESE STRUCTURE SHALL BE AUTHORISED AND ACCREDITED WITH ALL THE APPROPRIATE TRAINING AND PERMITS.
- 4. THE POLE CROSS ARM ARRANGEMENT CAN VARY DEPENDING ON SERVICE LOCATIONS.
- 5. THIS ARRANGEMENT SUITS BOLTED, NON-BOLTED AND I BEAM POLE TYPES.
- 6. PRIORITY MUST BE GIVEN TO THE 600mm MINIMUM CLEARANCE BETWEEN THE TOP OF THE ANTENNA AND SERVICE CROSSARM WHEN CONSIDERING POLE SUITABILITY, IF MINIMUM CLEARANCE CAN NOT BE ACHIEVED THEN THE LOCATION IS NOT SUITABLE.
- 7. ALL ANTENNA AND ASSOCIATED EQUIPMENT TO BE INSTALLED ABOVE EXISTING ANTI-CLIMBING PLATE AS SHOWN.
- 8. ALL ANTENNA AND ASSOCIATED ELECTRICAL EQUIPMENT TO BE MOUNTED TO WITHSTAND CYCLONIC WIND LOADS IN ACCORDANCE WITH AUSTRALIAN STANDARDS.
- NO WELDED FIXING PERMITTED. REFER TO PAGE 3 & 4 FOR MOUNTING GENERAL ARRANGEMENT.
- 10. ALL NON-BOLTED FIXINGS WILL BE DONE BY S/S STRAPPING.
- 11. MOBILE ANTENNA SHALL BE INSTALLED ON THE OPPOSITE SIDE OR PERPENDICULAR TO FUSE BASE WHERE EVER POSSIBLE.
- 12. ANTENNA AND ASSOCIATED EQUIPMENT POWER SUPPLY SHALL BE SOURCED FROM AN UNMETERED OVERHEAD NETWORK VIA SERVICE FUSE BASE.
- 13. ALL ANTENNA AND ASSOCIATED ELECTRICAL EQUIPMENT SHALL BE DOUBLE INSULATED OR COMPLY WITH AS3000.
- 14. ANTENNA AND ANCILLARY MOUNTS TO SUPPORT EQUIPMENT SHALL BE CERTIFIED BY SSMC.
- 15. EXISTING POWER POLE AND FOOTING TO SUPPORT PROPOSED EQUIPMENT TO BE CERTIFIED BY POWERWATER BEFORE INSTALLATION.
- 16. ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH TELSTRA/OPTUS CIVIL DESIGN MANUAL AND EARTHING MANUAL, AUSTRALIAN STANDARD AS 3000, AS 3008, AS3015, AS3017, AS1768 AND ALL OTHER RELEVANT AUSTRALIAN STANDARDS, PWC SPECIFICATIONS, SERVICE AND INSTALLATION RULES.
- 17. CONTRACTOR SHALL MAKE THEMSELVES AWARE OF ALL SERVICES PRESENT ON SITE.
- 18. FOR GROUND PENETRATION AND EARTH WORKS, AN AUTHORISATION OF WORK IN THE VICINITY (AWV) PERMIT IS REQUIRED AND ISSUED BY PWC.
- 19. CONTRACTOR SHALL MAKE THEMSELVES AWARE OF ALL SITE CONDITIONS AND SAFETY REQUIREMENTS PRIOR TO COMMENCING WORK ON SITE.
- 20. PWC SHALL INSTALL CONDUIT ENTRY THROUGH THE POLE FOUNDATION AND BE RESPONSIBLE FOR RESTATE POLE FOUNDATION AS PER PWC REQUIREMENTS REFER TO DRAWING S01-04-04-01.
- 21. THE INSTALLATION OF THE SERVICE ARM AND FUSE TO BE COMPLETED BY PWC.

AC SUPPLY TO RRU 2217

- 1. CONTRACTOR TO PROVIDE AND INSTALL 2.5mm² 2C + E PVC CABLE IN SURFACE MOUNTED 50mm uPVC HD CONDUIT FROM POS TO 5A POLE MOUNTED CB AS SHOWN IN TYPICAL ELEVATION ON S01-02-01-72 2.
- 2. ELECTRICAL CONTRACTOR IS TO ENSURE ALL CABLING AND PROTECTIVE DEVICES ARE SUITABLE (CURRENT CAPACITY) FOR USE AS A 5AMPS SUPPLY.

EARTHING SYSTEM

- 1. ALL EARTHING AND BONDING IS TO BE IN ACCORDANCE WITH THE TELSTRA/OPTUS EARTHING REQUIREMENTS. LATEST EDITION WITH AMENDMENTS AT TIME OF CONSTRUCTION ARE TO APPLY.
- 2. ASSOCIATED ANTENNA TO BE CONNECTED TO PROPOSED ELECTRODE WITH 35mm²
- 3. PROVIDE PROTECTIVE EARTH 35mm² G/Y INSULATED CABLE FROM ANTENNA MOUNT DIRECT TO EARTH STAKE IN PIT. 35mm² G/Y CABLE FROM HOUSING EARTH BOLT (SERVICE EARTH POINT) TO A LINE TAP ON THE DOWN CONDUCTOR.
- 4. FEEDERS EARTHED BY LINE TAPS TO DOWN CONDUCTOR NEAR HOUSING. PROVIDE 6mm² CABLE FROM NEUTRAL/EARTH LINK IN SWITCH ENCLOSURE BOX TO EARTH STAKE. PROVIDE BONDING CONDUCTOR FROM NEUTRAL/EARTH LINK TO SERVICE EARTH POINT.
- 5. THE FEEDER CABLING IS TO BE BONDED TO THE EXISTING SITE EARTHING SYSTEM ALL BONDING CONDUCTORS ARE TO BE LABELLED AT BOTH ENDS IN ACCORDANCE WITH THE TELSTRA/OPTUS EARTHING MANUAL SECTION 3.5.

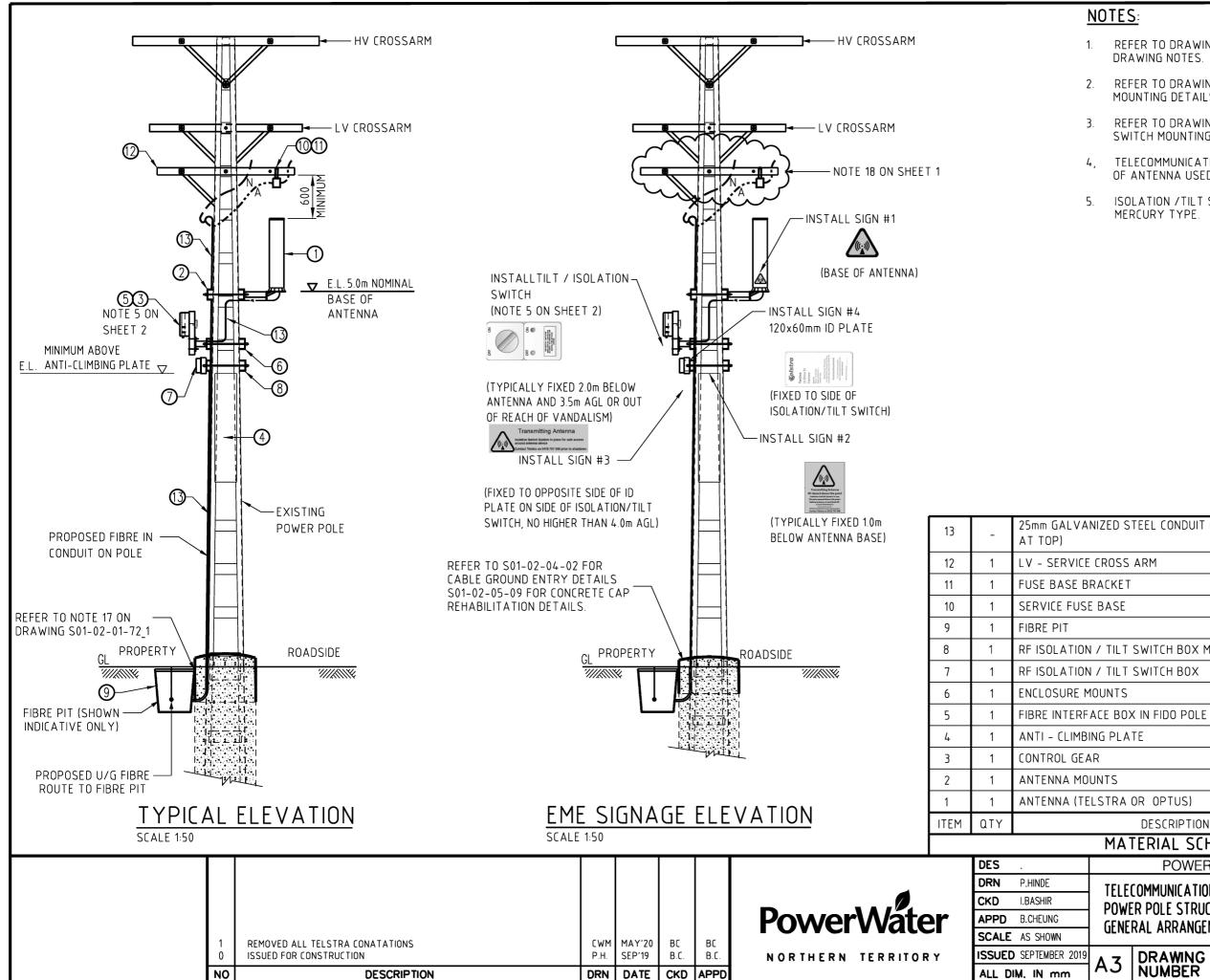
DRAFTING STANDARD TO A.S.1100



DES				STANDARD DRAWING			
DRN	P.HINDE			CATION MOBILE ANTER	INA		
CKD	I.BASHIR]	INSTALLATIO	N TO POWER POLE			
APPD	B.CHEUNG	1	STRUCTURES				
SCALE	SCALE . STANDARD DRAWING NOTES						
ISSUED	SEPT 2019	۸ ۷	DRAWING	CO4 O2 O4 72 4	$\top \wedge$		
ALL DIM	1. IN mm	AS	NUMBER	S01-02-01-72 ₋ 1	/ 1\		

CAD PRODUCT - DO NOT AMEND MANUALLY

IAMDT



AMENDMENTS

- REFER TO DRAWING S01-02-01-72_1 FOR STANDARD DRAWING NOTES.
- REFER TO DRAWING S01-02-01-72_3 FOR MOBILES ANTENNA MOUNTING DETAILS.
- REFER TO DRAWING S01-02-01-72 4 FOR RRU & ISOLATION SWITCH MOUNTING DETAILS.
- TELECOMMUNICATION COMPANY SHALL DETERMINE THE TYPE OF ANTENNA USED.
- ISOLATION /TILT SWITCH SHALL NOT BE

13	1	25mm GALVANIZED STEEL CONDUIT (GOOSE NECK AT TOP)	-	-
12	1	LV - SERVICE CROSS ARM	298554	S01-1-2-11
11	1	FUSE BASE BRACKET	406802	S01-1-4-49
10	1	SERVICE FUSE BASE	241109	S01-1-4-49
9	1	FIBRE PIT	1	-
8	1	RF ISOLATION / TILT SWITCH BOX MOUNTS	-	-
7	1	RF ISOLATION / TILT SWITCH BOX	_	_
6	1	ENCLOSURE MOUNTS	-	_
5	1	FIBRE INTERFACE BOX IN FIDO POLE ENCLOSURE	-	-
4	1	ANTI – CLIMBING PLATE	-	-
3	1	CONTROL GEAR	-	-
2	1	ANTENNA MOUNTS	-	-
1	1	ANTENNA (TELSTRA OR OPTUS)	-	-
ITEM	QTY	DESCRIPTION	ITEM NO	DRG REF

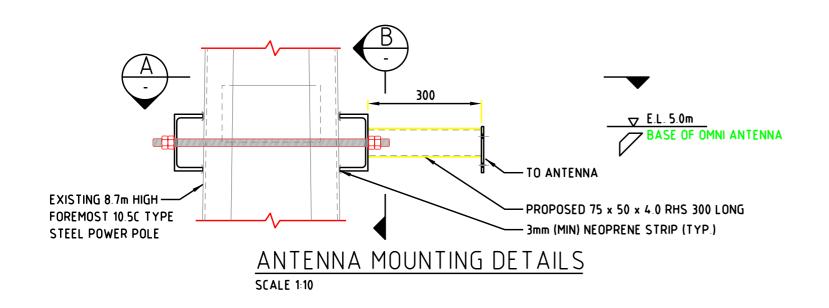
MATERIAL SCHEDULE

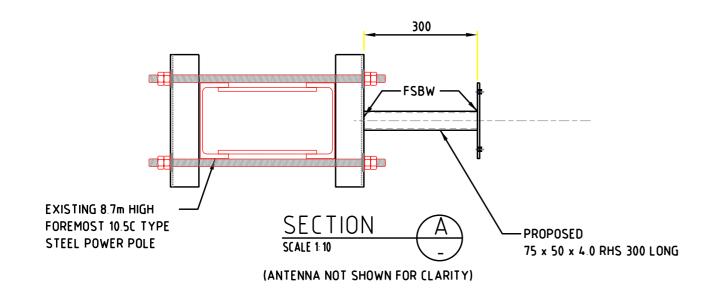
DRAFTING STANDARD TO A.S.1100

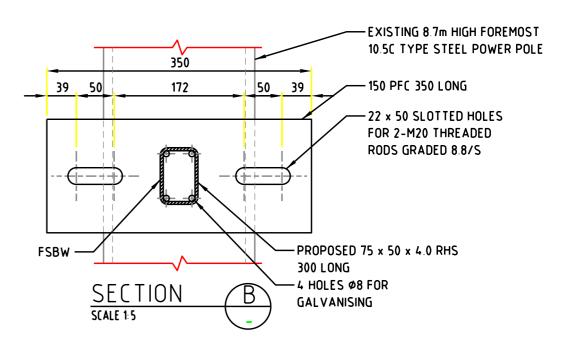
DES			POWER	STANDARD	DRAWING				
DRN	P.HINDE	TELECOMMUNICATION MOBILE ANTENNA INSTALLATION T							
CKD	I.BASHIR		POWER POLE STRUCTURES GENERAL ARRANGEMENT DRAWING						
APPD	B.CHEUNG								
SCALE	AS SHOWN	ULNL							
ISSUED	SEPTEMBER 2019	۸ ٦	DRAWING	CO1 O1	0 01 70 0				
ALL DI	M. IN mm	AS	NUMBER	201-0	2-01-72_2	1/1\			

CAD PRODUCT - DO NOT AMEND MANUALLY

IAMDT

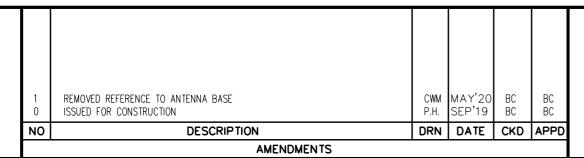






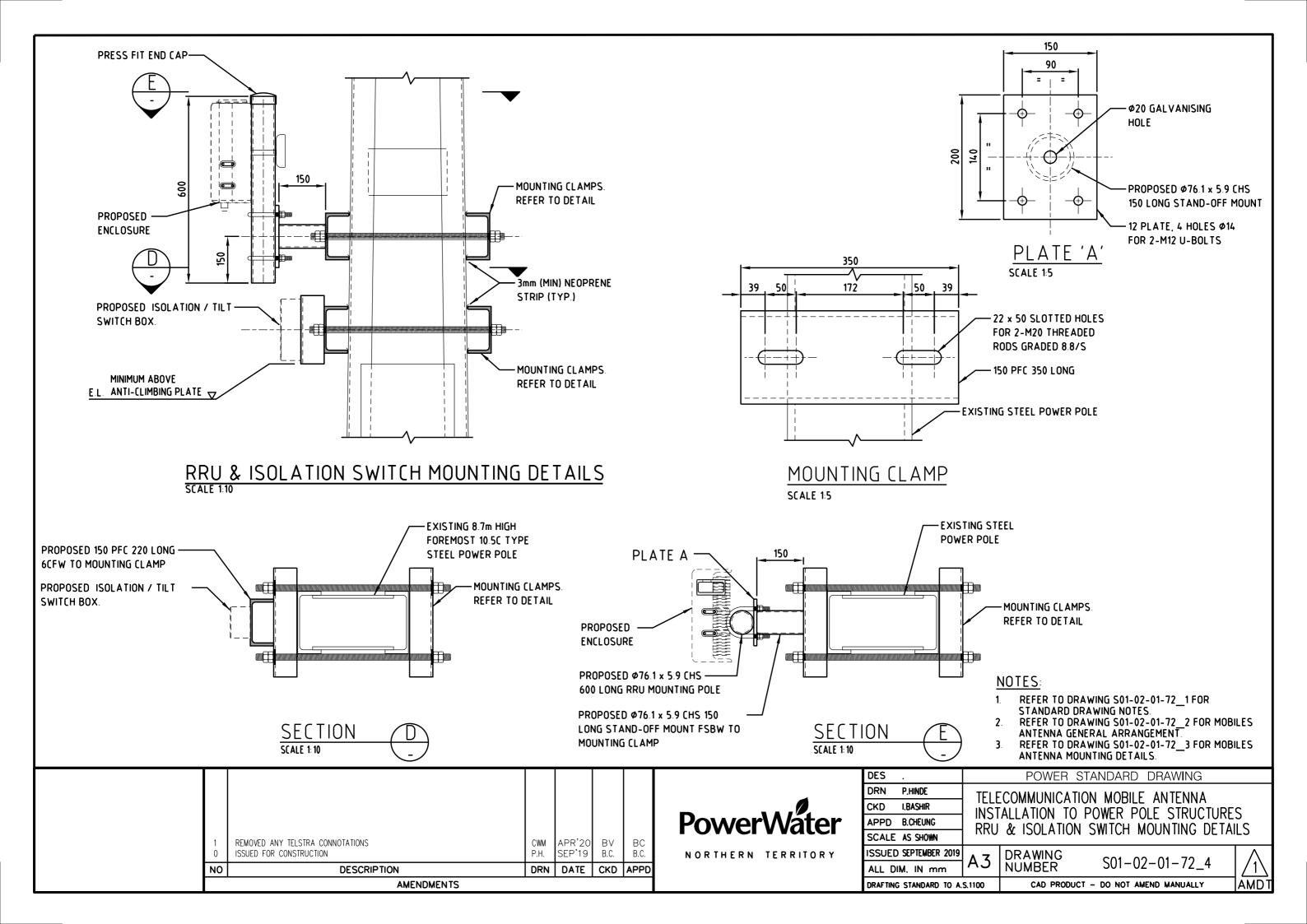
NOTES:

REFER TO DRAWING S01-02-01-72_1 FOR STANDARD DRAWING NOTES.
REFER TO DRAWING S01-02-01-72_2 FOR MOBILES ANTENNA GENERAL ARRANGEMENT.
REFER TO DRAWING S01-02-01-72_4 FOR RRU & ISOLATION SWITCH MOUNTING DETAILS.





DES .	POWER STANDARD DRAWING TELECOMMUNICATION MOBILE ANTENNA INSTALLATION TO POWER POLE STRUCTURES ANTENNA MOUNTING DETAILS					
DRN P,HINDE						
CKD I,BASHIR						
APPD B.CHEUNG						
SCALE AS SHOWN						
ISSUED SEPTEMBER 2019	۸ 7	DRAWING	CO1 00 01 70 7			
ALL DIM. IN mm	A3	NUMBER	S01-02-01-72_3	[/1]		
DRAFTING STANDARD TO A	S.1100	CAD PRODUC	T - DO NOT AMEND MANUALLY	\overline{DMDT}		





SIGN #1 - RF HAZARD AREA SIGN

Base of antenna/s



SIGN #2 - MICROCELL RF HAZARD SIGN

TYPICALLY AFFIXED

1.0M BELOW LOWEST

ANTENNA



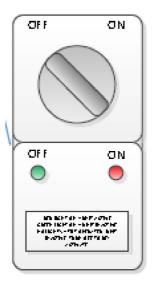
SIGN #4 - MCF INFORMATION SIGN

ID Plate 120x60mm On side of isolation/tilt switch



SIGN #3 - MICROCELL RF SHUTDOWN SIGN

ON SIDE OF ISOLATION/TILT SWITCH RF SAFETY COMPLIANCE DOCUMENTS: MCF 7.1.01 NO HIGHER THAN 4.0M AGL (TO BE USED NATIONALLY)



Tilt/isolation switch

Outside of point of access restriction

Typically affixed 2.0m below lowest antenna and 3.5m AGL, or out of reach of vandalism



DES	×		POWER STANDARD DRAWING					
DRN	C.COPPINS		TELECOMMUNICATION MOBILE ANTENNA					
CKD	B.VANDERSTELT		INSTALLATION TO POWER POLE STRUCTURES SIGNAGE EXAMPLES					
APPD	B.CHEUNG	SIUNA						
SCALE	AS SHOWN							
ISSUED	SEPTEMBER 2019	۸٦	DRAWING	S01-02-01-72 5				
ALL DIM. IN mm		Α3	NUMBER	301-02-01-72_3	1			
DRAFTING STANDARD TO A.S.1100			CAD PRODUCT - DO NOT AMEND MANUALLY					