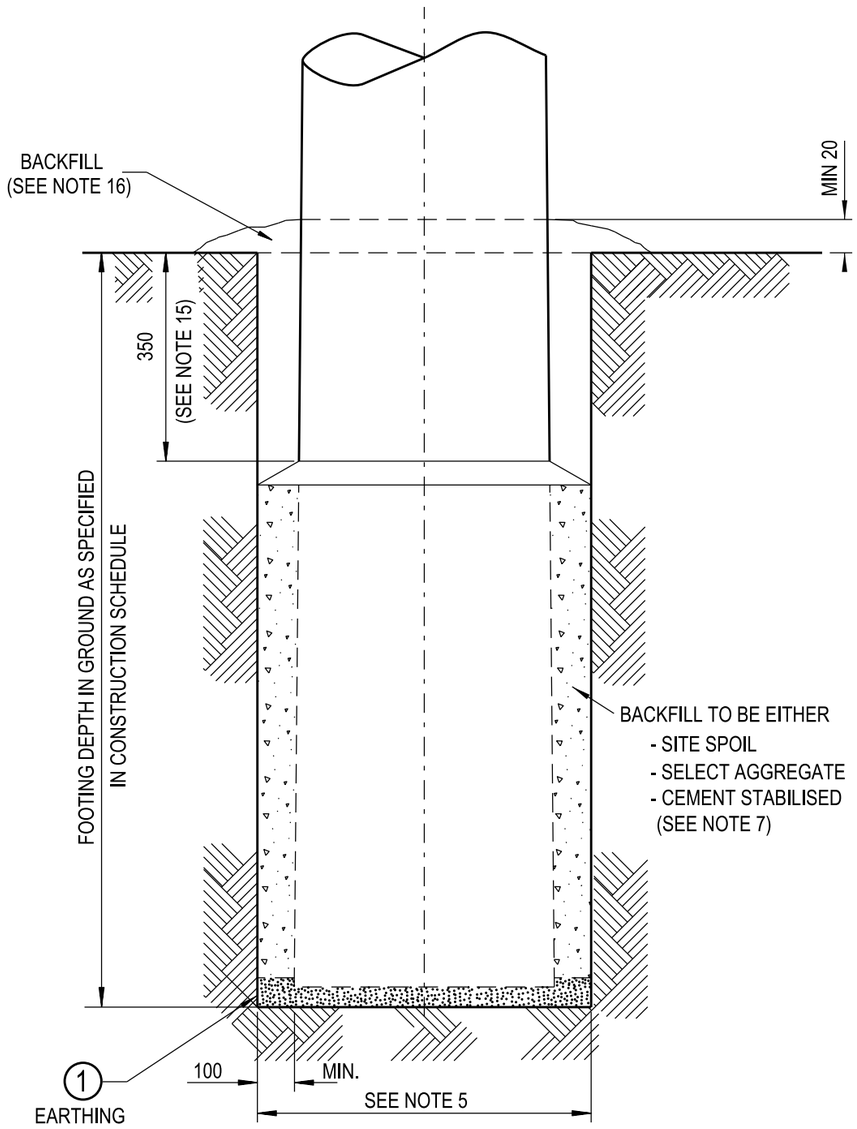

SECTIONAL ELEVATION

ARRANGEMENT 1 - SITE SPOIL BACKFILL
ARRANGEMENT 2 - SELECT AGGREGATE BACKILL
ARRANGEMENT 3 - CEMENT STABILISED BACKFILL

GENERAL NOTES :

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH CURRENT AUSTRALIAN AND NETWORK STANDARDS.
2. AN APPROVED PRESERVATIVE SHALL BE BRUSHED THOROUGHLY INTO THE CREVICES OF THE EXPOSED, UNTREATED TIMBER IMMEDIATELY FOLLOWING THE CUTTING OR TRIMMING OF A POLE.
3. SAPWOOD SHALL BE REMOVED FROM UNTREATED POLES TO A HEIGHT OF 300mm ABOVE GROUND LEVEL.
4. TREATED POLES SHALL NOT BE TRIMMED OR DRILLED DURING DRESSING, BETWEEN THE BUTT AND 1m ABOVE GROUND LINE.
5. AUGER SIZE SHALL BE DETERMINED BY ADDING MINIMUM OF 200mm TO THE POLE BUTT DIAMETER.
6. ANY DEVIATION AWAY FROM THE DEFAULT AUGER SIZE IS ALLOWED, HOWEVER WILL NOT RESULT IN A REDUCTION OF REQUIRED EMBEDMENT DEPTH UNLESS IT IS ACCOMPANIED BY A DESIGN FROM A QUALIFIED CIVIL ENGINEER.
7. THE POLE IS TO BE INSTALLED WITH THE BACKFILL TYPE AND DEPTH NOMINATED IN THE CONSTRUCTION SCHEDULE.
8. A POLE EMBEDMENT CALCULATION REPORT CAN BE USED IN LIEU OF A CONSTRUCTION SCHEDULE.
9. SOIL CONDITIONS ARE TO BE CHECKED ON SITE AND CONFIRMED BY THE CONSTRUCTION CREWS.
10. WHERE THE CONDITIONS FOUND ARE NOT GENERALLY THE CONDITIONS AS SPECIFIED IN THE DESIGN, THE DESIGNER SHALL BE CONSULTED PRIOR TO POLE INSTALLATION.
11. WHERE SOLID ROCK OR BETTER GROUND CONDITIONS THAN EXPECTED ARE ENCOUNTERED, THE DEPTH OF THE FOOTING MAY BE REDUCED, SUBJECT TO A REDESIGN BY THE DESIGNER.
12. FOR AS BUILT CERTIFCATION, A POLE & PILLAR DATA CAPTURE SHEET IS TO BE COMPLETED .
13. ENSURE THAT A 15 kg BAG OF EARTHING COMPOUND HAS BEEN SPREAD EVENLY OVER THE BOTTOM OF THE HOLE BEFORE THE POLE IS ERECTED WHEN A POLE BUTT EARTH IS TO BE INSTALLED.

BACKFILL NOTES :

14. ONLY APPROVED BACKFILL IS TO BE USED.
15. BACK FILLING IS TO BE RAM COMPACTED EVERY 150 mm THICK TO GROUND LINE. THE AREA BETWEEN 350 mm BELOW GROUND LEVEL TO THE ACTUAL GROUND LEVEL SHOULD BE FILLED WITH CLEAN STONE-FREE SANDY LOAM TYPE SOIL TO FACILITATE FUTURE INSPECTIONS AND AVOID CONDITIONS FOR ACCELERATED DECAY WITHIN THE CRITICAL ZONE.
16. SANDY LOAM IS TO BE TAMPED DOWN AND SLOPED AWAY FROM THE POLE SO THAT THE FINISHED LEVEL AT THE POLE IS MIN 20 mm ABOVE THE SURROUNDING GENERAL GROUND LEVEL.
17. COMPACTION LEVEL FOR THE LAYERED BACKFILL IS TO BE 98% OF STANDARD COMPACTION, WITH 1-2% OPTIMUM MOISTURE CONTENT. REFER TO AS 1289 METHOD OF TESTING SOILS FOR ENGINEERING PURPOSES (SOIL COMPACTION AND DENSITY TESTS).
18. FOR REINSTATEMENT OF PAVED AREAS, ANY CONCRETE OR DECORATIVE PAVING MUST TERMINATE A MINIMUM OF 300 mm FROM THE FACE OF A TIMBER POLE, TO FACILITATE POLE INSPECTION AND MAINTENANCE. REFER TO NS128 FOR FURTHER REQUIREMENTS

ARR - 1 : SITE SPOIL BACKFILL NOTES :

1-1. SITE SPOIL SHOULD ONLY BE USED IF SUITABLE TO BACKFILL AND RAM COMPACT. IF IT IS DEEMED UNSUITABLE, SELECT AGGREGATE OR CEMENT STABILISED BACKFILL IS TO BE USED.
1-2. HANDLE & DISPOSE OF ALL CONTAMINATED MATERIAL IN ACCORDANCE WITH RELEVANT WHS. ACTS & REGULATIONS AND EPA REQUIREMENTS.

ARR - 2 : SELECT AGGREGATE BACKFILL:

2-1. ROADBASE TO BE SUPPLIED IN ACCORDANCE WITH RMS SPECIFICATION 3051 - DGS-20 & ASSOCIATED RMS SPECIFICATIONS. A WELL GRADED MAXIMUM SIZE 20 mm AGGREGATE IS TO BE USED.

ARR - 3 : CEMENT STABILISED BACKFILL:

3-1. CEMENT STABILISED BACKFILL SHALL BE A BLEND OF 3% BY VOLUME TYPE GB GENERAL BLEND CEMENT (60% CEMENT, 40% FLY ASH) TO AS3972 THOROUGHLY MIXED WITH SITE SPOIL OR SELECT AGGREGATE BACKFILL. THE AIM IS TO ACHIEVE MINIMUM UNCONFINED COMPRESSION STRENGTH OF 1MPA AT 3 DAYS.

ITEM	DESCRIPTION	STOCK CODE	QTY
1	EARTHING COMPOUND 15kg BAG (SEE NOTE 13)	99861	1

DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE

CAD DRAWING
DO NOT MANUALLY AMEND

AMENDMENTS

7 — DWN: DOMINIC SHIELDS; CHKED: PHILLIP JONES; DATE: 25/01/2019; SECTION & NOTES AMENDED. ARRANGEMENTS 1 - 3 ADDED.

APP'D by: GLENN FORD

POLE & PILLAR DATA CAPTURE SHEET

ASSOCIATED DRAWINGS

NETWORK STANDARD
Ausgrid

145 NEWCASTLE RD WALLSEND,
NSW 2287

SCALE	NTS
DESIGNED	
DRAWN	PS
CHECKED	
APPROVED	G SKINNER
DATE	22/09/97
PROJECT NUMBER	STD
PROJTRAK NUMBER	

STANDARD CONSTRUCTION
TIMBER POLE
FOOTING ARRANGEMENT

SIZE	DRAWING No	SHEET	AMD
A3	508726	01	7

20110901