



**SITE MANAGEMENT NOTES:**

**PROTECTION OF EXISTING VEGETATION**

NOTE THAT ALL TREES AND OTHER VEGETATION ON SITE IS TO BE RETAINED AND PROTECTED IN ACCORDANCE WITH AS4970-2009. PRIOR TO ANY SITE CLEARING OPERATIONS, THE CONTRACTOR SHALL SUBMIT A TREE PROTECTION PLAN (SEE TREE PROTECTION PLAN NOTE BELOW). TREE PROTECTION ZONES (TPZ) ARE TO BE ESTABLISHED AROUND TREES AND OTHER VEGETATION TO BE DETERMINED BY THE CONTRACTS PROJECT ARBORIST AS SHOWN ON THE TREE PROTECTION PLAN GIVE NOTICE TO THE S.R. AND OBTAIN INSTRUCTIONS FROM THE PROJECT ARBORIST PRIOR TO CLEARING ANY VEGETATION.

PRIOR TO COMMENCEMENT OF THE WORKS PREPARE A PHOTOGRAPHIC RECORD OF THE TREES AND OTHER VEGETATION NOMINATED TO RECEIVE PROTECTIVE MEASURES. THE PHOTOGRAPHS SHALL BE BOUND, AND NUMBERED TO THE SATISFACTION OF THE PROJECT ARBORIST AND PRESENTED TO THE SR FOR RETENTION THROUGHOUT THE WORKS.

TREES AND OTHER VEGETATION IN THE VICINITY OF THE PROPOSED CIVIL WORKS THAT REQUIRE REMOVAL, PUNNING OR ANY OTHER ARBORICULTURAL WORK EITHER ABOVE OR BELOW GROUND, MUST BE CARRIED OUT BY THE PROJECT ARBORIST, OR CARRIED OUT UNDER THE DIRECTION, SUPERVISION AND SATISFACTION OF THE PROJECT ARBORIST. ALL APPROVED PRUNING WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH AS4373-2007.

ALL CARE MUST BE TAKEN WHILE UNDERTAKING WORKS IN THE VICINITY OF ANY EXISTING TREE(S) OR OTHER VEGETATION NOMINATED FOR PROTECTION. THE CONTRACTOR IS TO EXERCISE EXTREME CAUTION WHILE WORKING WITHIN THE TREE ROOT ZONES OF VEGETATION NOMINATED FOR PROTECTION. DO NOT CUT ANY TREE ROOT GREATER THAN 25mm DIAMETER WITHOUT THE PRIOR PERMISSION OF THE PROJECT ARBORIST. DO NOT TO CAUSE INJURY OR TO DAMAGE ANY ROOTS, THE BARK COVERING OF TRUNKS, BUTTRESS ROOTS, OR THE LIMBS OF ANY TREE. NOTE THAT THE SEVERING OF ANY ROOTS OR LIMBS, THE APPLICATION OF ANY PAINT, AND THE DRIVING OF NAILS, SCREWS OR ANY OTHER METHOD OF DIRECT FIXING OR ATTACHING ANY MATERIALS TO ANY TREE OR OTHER VEGETATION IS STRICTLY PROHIBITED.

**TREE PROTECTION PLAN**

THE CONTRACTORS TEAM MUST ENGAGE A PROJECT ARBORIST AS DEFINED UNDER SECTION 1.4.4 OF AS4970-2009 "PROTECTION OF TREES ON DEVELOPMENT SITES".

THE PROJECT ARBORIST MUST HAVE THE KNOWLEDGE AND SKILLS THAT WILL ENABLE THAT PERSON TO PERFORM TASKS REQUIRED BY AS4970-2009 WITH PARTICULAR REFERENCE TO SECTION 5 'MONITORING AND CERTIFICATION' OF AS4970-2009.

PRIOR TO THE COMMENCEMENT OF AND DURING WORKS, THE CONTRACTOR MUST SUBMIT A TREE PROTECTION PLAN FOR APPROVAL BY THE S.R. THIS PLAN MUST IDENTIFY KEY STAGES WHERE MONITORING AND CERTIFICATION WILL BE REQUIRED.

A PRE-CONSTRUCTION MEETING SHOULD BE ATTENDED BY THE SITE MANAGER, THE PROJECT ARBORIST, CIVIL CONTRACTORS AND OTHER SUB-CONTRACTORS TO INTRODUCE THE TREE PROTECTION PLAN AND ITS REQUIREMENTS.

**FELLED TREE MATERIALS**

ALL NOMINATED ESTABLISHED ONSITE VEGETATION THAT WILL NEED TO BE REMOVED BECAUSE IT IS DIRECTLY IMPACTED UPON BY THE PROPOSED WORKS HAS THE POTENTIAL BE RE-USED ONSITE AFTER BEING PROCESSED THROUGH A CHIPPER TO PIECES NOT LARGER THAN 75 x 50 x 15mm - AS MULCH. MULCH IS INTENDED FOR RE-USE ON EXISTING GARDENS BY GROUNDSPERSON MAINTAINING THE LANDSCAPE WITHIN THE SITE.

THE CONTRACTOR SHALL LIAISE S.R. WHO IN TURN WILL NEED TO LIAISE WITH THE RELEVANT GROUNDS PERSON TO DETERMINE WHETHER FELLED TREE MATERIALS ARE WANTED AND CAN BE STOCKPILED AT APPROPRIATE ONSITE LOCATIONS FOR FUTURE USE AS MULCH.

MULCH STOCKPILES ARE TO BE NO GREATER THAN 2 x 2m (H x W) ON SITE LOCATIONS APPROVED BY THE S.R.

**MAKING GOOD - DISTURBED AREAS**

CONFIRM SURFACE TREATMENT TO DISTURBED AREAS WHEN NOT NOMINATED ON DRAWING OR TREE PROTECTION PLAN WITH S.R. PRIOR TO IMPORTING BULK MATERIALS (SUCH AS TURF, SOIL, MULCH OR OTHER NOMINATED PLANT SPECIES) ON SITE.

**TURFING NOTES**

PROVIDE IMPORTED TOPSOIL AND TURF TO EXTENT OF BATTERS, DISTURBED AREAS AND CATCH DRAIN FOR A MINIMUM OF 1 METRE BEYOND DISTURBED AREA.

UNLESS OTHERWISE NOTED ON THE DRAWING OR DETAILS, THE FINISHED SURFACE LEVEL OF ALL TURFED AREAS IS TO BE AS FOLLOWS:

- 100mm MIN. BELOW FINISHED FLOOR LEVEL, FLUSH WITH FINISHED LEVELS OF COVERED LINKS, PATHS, KERBS, FIELD INLETS, INSPECTION CHAMBERS, PAVING, ETC.
- THE GROUND ABUTTING PATHS TO FOLLOW THE GRADE OF THE PATH AND EXTEND 600MM FROM THE PATH WITH A MAXIMUM CROSS FALL AWAY FROM THE PATH OF 1:40.
- AREAS BETWEEN THE ABOVE TO BE EVENLY GRADED TO MAINTAIN GENERAL CONTOUR OF THE AREA.

CULTIVATION DEPTH	150mm
IMPORTED SOIL MIX	"SOIL BLEND" DEPTH 100mm TO AS4419
TURF SPECIES	CYNODON DACTYLON GREEN COOCH GRADE B
TOP DRESSING TO AS4419 MAX. DEPTH 10 mm	
FERTILIZER	PRE TURFING 25 G/SQ M N:P:K 13.1: 14.6: 12.9 APPROVED COMPLETE FERTILIZER POST TURFING 10 G/SQ M SULPHATE OF AMMONIA

**BENCHMARK COORDINATES**

NUMBER	EASTING	NORTHING	RL	DESCRIPTION
A	312157.570	8287968.739	28.966	PSM92565
B	312152.928	8288055.093	28.197	NAIL IN CONCRETE
C	312196.898	8288199.266	27.737	PSM92569

**CIVIL NOTES**

1. SETOUT HELIPAD AND PATHS AS SHOWN ON CIVIL DRAWINGS. SURVEY INFORMATION TAKEN FROM DWGS. G01 TO G06. LOCATION OF ALL UNDERGROUND SERVICES IS TO BE VERIFIED ON SITE BEFORE COMMENCING ANY EXCAVATION WORK.

2. CLEAR TO EXTENT OF EARTHWORKS, REMOVING TREES INCLUDING ROOTS FROM UNDER HELIPAD AND PATHS - REFER TO THE FOLLOWING NOTES ON THIS SHEET - 'PROTECTION OF EXISTING VEGETATION', 'TREE PROTECTION PLAN', 'FELLED TREE MATERIALS' AND OTHER LANDSCAPE DRAWINGS / SPECIFICATION NOTES PRIOR TO ANY EARTHWORKS OF SITE CLEARING OPERATIONS.

3. ALL OTHER TREES TO REMAIN UNDISTURBED AND PROVIDE TREE PROTECTION, IF REQUIRED, IN ACCORDANCE WITH LANDSCAPE DWGS. / TREE PROTECTION PLAN.

4. STRIP APPROX. 100mm TOPSOIL TO EXTENT OF EARTHWORKS, STOCKPILE AND RESPREAD ON SITE WHERE DIRECTED BY THE SUPERINTENDENT AND IN ACCORDANCE WITH THE LANDSCAPE DRAWINGS. REMOVE EXCESS TOPSOIL FROM SITE.

5. CONTRACTOR TO MAKE UP ANY DEFICIENCIES IN EARTHWORKS WITH APPROVED IMPORTED FILL MATERIAL. REFER "GROUNDWORKS" SPECIFICATION.

6. GRADE ALL BATTERS EVENLY AT 1 in 4, UNLESS NOTED OTHERWISE.

7. **COMPACTION TESTS**  
CARRY OUT THE FOLLOWING COMPACTION TESTS IN ACCORDANCE WITH AS1289, "GROUNDWORKS" SPECIFICATION AT LOCATIONS TO BE NOMINATED BY THE SUPERINTENDENT. NB: 5.8.1 TEST RESULTS ARE NOT ACCEPTABLE.

**GROUNDWORKS**  
A) 6 No. TESTS TO 5.1.1  
B) 6 No. TESTS TO 5.3.1 / 5.4.1

THE ABOVE TESTS ARE PROVISIONAL QUANTITIES AND MAY BE VARIED DURING CONSTRUCTION.

8. CONCRETE :- GRADE N32  
20mm MAX. AGG. SIZE  
80mm SLUMP

STRENGTH TESTING SHALL BE UNDERTAKEN WITH A SAMPLING FREQUENCY OF AT LEAST ONE SAMPLE FROM EACH 50m<sup>2</sup> OF CONCRETE USED IN THE PROJECT.

9. PROVISIONAL QUANTITIES - REFER SPECIFICATION FOR ITEMS ON BAD GROUND, COMPACTION TESTING, ETC.

10. THE REQUIREMENTS OF THE EROSION CONTROL SECTION OF THE SPECIFICATION IS TO BE STRICTLY ADHERED TO IN PARTICULAR THE SUBMISSION OF THE MANAGEMENT PLAN. ALL REQUIREMENTS OF SECTION 32 OF THE ENVIRONMENTAL PROTECTION (water) POLICY 1997 ARE TO BE STRICTLY ADHERED TO.

**SITE MANAGEMENT NOTES - CONTINUED;**

**ESTABLISHMENT PERIOD**

MAINTAIN TURF OR OTHER NOMINATED PLANT MATERIALS IN A HEALTHY CONDITION BY REGULAR WATERING, FERTILISING, WEEDING, MOWING, DISEASE AND PEST CONTROL FOR A PERIOD OF 8 WEEKS, UNLESS ANOTHER PERIOD IS OTHERWISE STATED, FROM PRACTICAL COMPLETION OF THE PLANTING WORKS. REPLACE ALL DEAD/DYING TURF AND PLANTS DURING THIS PERIOD AND ESTABLISH AS ABOVE.

**WATER DURING ESTABLISHMENT PERIOD**

THE CONTRACTOR IS TO IMPORT SUFFICIENT WATER ONTO THE SITE TO ESTABLISH AND MAINTAIN PLANTS AND TURF IN A HEALTHY VIGOROUS CONDITION. THE CONTRACTOR SHALL COMPLY WITH THE CURRENT WATER RESTRICTIONS APPLICABLE TO THE SITE AT THE TIME.

BARCODE

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AMENDMENTS

ISSUE	DATE	SUBJECT	AUTHORISED
A	24.10.11 13.10.11	AMENDED WORDING	J. Lawrence

DRAWING INDEX SYSTEM  
FOR PROJECT SERVICES - LOGISTICS USE ONLY

<input type="checkbox"/> BUILDING PLATFORM	<input type="checkbox"/> SEWERAGE PLANS
<input type="checkbox"/> CARPARK	<input type="checkbox"/> SPORTS FACILITIES
<input type="checkbox"/> COURTS	<input type="checkbox"/> STANDARDS
<input type="checkbox"/> EARTHWORKS	<input type="checkbox"/> STORMWATER PLANS
<input type="checkbox"/> OTHER	<input type="checkbox"/> SURVEY PLAN
<input type="checkbox"/> RETAINING WALLS	<input type="checkbox"/> WATER RETICULATION SITE PLAN
<input type="checkbox"/> ROADWORKS/ACCESS ROADS	<input type="checkbox"/> WATER RETICULATION

Queensland Government

CONSULTANT  
**Project Services**  
Department of Public Works  
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EA	DRAFTING CHECK
EA	DESIGN VERIFICATION
J. LAWRENCE	24.10.2011
J. LAWRENCE	24.10.2011

**COOKTOWN HOSPITAL**

HELIPAD UPGRADE

CIVIL WORKS  
NOTES AND LOCALITY PLAN

SCALE: 1:500 AT A1 SIZE

MASTER SITE NUMBER: 26449 CLIENT REFERENCE NUMBER

DRAWING NUMBER: 60093 / CD / C00.01 ISSUE: A SHEET NO.