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| Lot No: | Lot Details: | Lot size/Quantity: | Date: |

| **Item**  **No.** | **Task/Activity Description** | **Inspection/Test** | | | | | **HP/ WP/ AP/**  **IP/**  **TP/ SCP** | **Responsibility** | **Checked by:** | | | |
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| **Frequency** | **Acceptance Criteria** | **Reference Documents** | **Inspection/ Test Method** | **Record of conformity** | **TfNSW** | **Fulton Hogan** | **PV** | **Date** |
| **1** | Preliminary | | | | | | | | | | | |
| 1.01 | Prepare and submit EWMS for Clearing and Grubbing | Once | * EWMS prepared & submitted to the Principal and any other relevant agencies **at least 14 working days prior to the commencement of clearing works.** * Proposed changes to EWMS must be advised to TfNSW at least 14 days working days prior to being implemented. | G36.3.2.4 &  BMP Appendix A |  | Verification Checklist |  | Environmental Rep. |  |  |  |  |
| 1.02 | Prepare and submit Weed Management Plan | Once | Prepared & submit to the Principal a **Weed Management Sub-Plan** together with written notice that areas of weed infestation identified in the Ecologist/Weed Inspector’s report (Clause 2.4a) are marked**, at least ten working days before starting any clearing.** | G40.6 & BMP Appendix F |  | Hold Point | HP | Environmental Rep. |  |  |  |  |
| 1.03 | Working in or near Environmentally Sensitive Areas | Per Sensitive Area | **At least 5 working days prior to** commencing Physical Work on Site in or near an environmentally sensitive area**,** provide to the Principal a copy of the EWMS for working in or near the environmentally sensitive areas & written notice that the environmentally sensitive areas are clearly delineated with locations and boundaries signposted. | G36.4.13 |  | Hold Point | HP | Site Engineer |  |  |  |  |
| 1.04 | Submission of PESCP for area to be cleared | Per Area | Drawings prepared progressively for sections of the Site where work is to commence.  Submit PESC drawing(s) to the TfNSW Representative **at least ten working days before** disturbance of the surface of the section of the Site. | G38.3.1.1 |  | Hold Point | HP | Environmental Rep. |  |  |  |  |
| 1.05 | Check location of underground & above ground utilities | Per area / activity | * Dial Before You Dig contacted * Ground Penetration Permit is obtained * Working near Overhead Services permit is obtained | WHSMP |  | Ground Penetration &  Overhead Services Permits | AP | Utilities Engineer |  |  |  |  |
| 1.06 | Install delineation for clearing limits & sensitive areas / no-go zones with highly visible continuous barrier or tape | Per area as Per TfNSW BG Guide 2: Exclusion zones | * **At least 5 days prior** to proposed commencement of clearing install highly visible markers such as bunting, nightline or other similarly robust and durable materials on each side of road formation, bridges and ancillary facilities as shown on the design drawings in a continuous line. * ***Demarcate & implement exclusion zone in accordance with Biodiversity Guidelines – protecting and managing Biodiversity of TfNSW projects, Guide 2: exclusion zones (RMS 2011).*** * *Verify exclusion zones & no-go areas have been marked out by surveyor and installed fencing & signage is in accordance with G36 CL4.13 on the project work side to exclude all access for the duration of construction works.* * ***Areas within the assessed areas that do not need to be cleared to provide for construction activities are to be included as part of the exclusion areas and fenced accordingly*** | G40.2.4,  G36.4.8,  G36.4.13, TPP & TfNSW BG Guide 2 |  | Verification Checklist | IP | Environmental Rep. |  |  |  |  |
| 1.07 | Engage Ecologist to conduct a pre-clearing assessment | Per Area | Assessment done ***at least 5 days prior to* *commencing any clearing works.***  The inspection report must:   1. includes a statement from a ***suitably qualified*** Ecologist that identifies the species & location of any weeds growing anywhere in the road reserve over the length to be cleared and grubbed; 2. ***includes a map clearly showing vegetation boundaries, and exclusions / no-go zone,*** identifies all locations of threatened flora species and trees which have been marked or otherwise identified for preservation; and, 3. list any trees ***identified by a suitably qualified arborist*** outside the limits of clearing which are unsound and likely to fall upon the roadway or onto private property. | G36.4.8,  G40.2.4 & & TfNSW BG Guide 4 |  | Ecologist Report | AP | Environmental Rep. |  |  |  |  |
| 1.08 | Notification for clearing any work area | Per Area | Notify the Principal of intention to clear & provide ***Clearing and Grubbing Plan (Annexure G40/D***) and report on the presence of weeds and unsound trees together with written notice that limits of clearing and areas of weed infestation identified in the ecologist report (Clause 2.4 (a) are marked), **at least five (5) days before starting any clearing*.*** | G40.2.4 &  BMP |  | Hold Point | HP | Environmental Rep. |  |  |  |  |
| 1.09 | Site walk-over with Principal to confirm clearing boundaries | Per Area | Undertake a site walk-over with the Principal and appropriate site personnel to confirm clearing boundaries and sensitive locationbefore the start of work.  ***Ensure there is no clearing outside the agreed boundaries without the prior approval of the Principal.*** | G40.2.1, G40.2.4 & G36.4.8 |  | Verification Checklist | IP | Foreman / Site Engineer |  |  |  |  |
| 1.10 | Inspect the site for potential fauna habitat features | Per Area | * **At least one week before commencing** clearing of native vegetation, engage a qualified ecologist to inspect the site for potential fauna habitat features including vegetation, leaf litter and existing culverts. * If any threatened fauna species are found, inform the Principal & arrange to have the threatened fauna species relocated by a qualified ecologist in accordance with a relocation plan that is acceptable by the Principal and in accordance with relevant statutory requirements. * Obtain all necessary approvals prior to relocation of fauna | G40.2.4 |  | Verification Checklist | IP | Environmental Rep. |  |  |  |  |
| 1.11 | Relocation of any threatened fauna species | As  Required | Relocation of any threatened fauna species in accordance with your approved relocation plan and any associated permits/approvals.  *Keep records of all fauna rescue events, including locations to where fauna have been relocated.* | G40.2.4 |  | Witness  Point | WP | Environmental Rep. |  |  |  |  |
| 1.12 | Induction training for limits of vegetation clearing & weeds present on site | Per Area | * Ensure all workforce team are informed of the limits of vegetation clearing and the areas of vegetation to be retained and working adjacent to sensitive locations. * Ensure all site staff are made aware of the Noxious Weeds present on-site and requirements related to the listing under the Noxious Weeds Act 1993. | G36.4.13 & G40.2.4 |  | Verification Checklist | IP | Environmental Rep. |  |  |  |  |
| 2.0 | Weed Treatment | | | | | | | | | | | |
| 2.01 | Remove weed infestation | Per Area | * Weeds removed & disposed of in accordance with requirements of Council & details in the WRMP * Removal & disposal of weeds growing in the road reserve outside the area to be cleared and grubbed may be directed by the Principal as a Variation. | G40.2.4,  G36.4.12 &  WARMP |  | Pesticide Application Record | IP | Environmental Rep. |  |  |  |  |
| **3.0** | Clearing & Grubbing | | | | | | | | | | | |
| 3.01 | Mark out the areas of formation | Every 10m | * Unless shown otherwise on Drawings or ***restricted by exclusion zones***, the area to be cleared for the formation is that which will be occupied by the completed formation plus a clearance of up to 4 m beyond tops of cuts and toes of embankments where the natural fall of the ground is towards the roadway and up to 2 m beyond the tops of cuts and toes of embankments where the natural fall of the ground either slopes away from roadway or is level *provided that the cleared area does not extend beyond the road reserve or private property boundaries.* * Also, clear areas to be occupied by *utility adjustment works*& ancillary earth features on design dwgs, inc. sediment basins & traps, open drains and diversion banks. | G40.2.1,  G40.2.3,  G40.2.4 &  G71.5.1.1 |  | Verification Checklist | SCP | Surveyor |  |  |  |  |
| 3.02 | Mark out areas to be cleared for Bridges | Per Bridge | * At bridges all trees & stumps and all built structures must be removed within Annexure G40/A areas, except:   - where shown otherwise on the Design drawings; or  - marked to be preserved; or,  - within 5m of the bank of any stream or waterway.   * Trees outside this area but having branches overhanging the bridge must have these lopped to 3m clear of bridge. | G40.2.3 |  | Verification Checklist | SCP | Surveyor |  |  |  |  |
| 3.03 | Obtain internal Pre-clearing Permit | Per Area | * Permit is obtained from the Environmental Manager or environmental delegate. * Works Supervisor to review document. * Ensure ‘*PART D. APPROVAL’* is signed-off by all parties. | BMP Appendix B |  | Permit | AP | Site Engineer |  |  |  |  |
| 3.04 | Prior to commencement of clearing ensure surveyor has checked exclusion zones & no-go areas | Per Area | * The location of clearing limit delineations have been checked and verified as correct by the project surveyor. * All areas have been fenced off in accordance with G36 Clause 4.13 requirements and the *Tree Protection Plan* | G40.2.4,  G36.4.13 &  TPP |  | Verification Checklist | SC | Surveyor |  |  |  |  |
| 3.05 | Install erosion and sedimentation controls | Per Area | * Before commencing clearing & grubbing all soil erosion and sedimentation controls required for C&G must be installed as per TfNSW G38. * Insure these are installed in accordance with the approved area PESCP. | G40.2.4 &  G38.3.1 |  | Verification Checklist | IP | Environmental Rep. |  |  |  |  |
| 3.06 | Carry out clearing works | Per Area | * Remove any rubbish on the Site prior to starting Work * The method of clearing, the extent and sequencing of clearing must be in accordance with ***Guide 4: Clearing Vegetation and Bush Rock of the Biodiversity Guidelines: Protecting and managing biodiversity on TfNSW projects.*** * Trees remaining within the road reserve, but outside limits of clearing, which the Principal has agreed to be unsound *and are likely to fall upon the roadway or onto private property,* must be cleared or pruned as per AS 4373. * Any branch, overhanging the road formation, must be cut back flush with the tree trunk in accordance with AS 4373. * Existing trees, grasses & other ground cover must be retained within 15 m of rivers, creeks, watercourses and in all drainage lines until immediately before construction commences in the area. * *An access track may be constructed across these areas on an alignment that will minimise erosion*. * Where existing ground cover is to be retained, all trees in these areas must be felled manually, leaving grasses and small understorey species wherever possible. * Trees within 10 m of the bridge centreline and within 5 metres of the bank of any stream or other waterway must be cleanly cut off between 300 mm and 600 mm above the adjacent ground level so that stable vegetation is retained on the banks. *This work must be undertaken in consultation with the Principal*. | BMP Appendix A  G36.4.8, G40.2.1, G402.2,  G40.2.3 &  G40.2.4 |  | Verification Checklist | IP | Site Engineer |  |  |  |  |
| 3.07 | Clearing in areas with bushland topsoil | As Required | Where tree density does not allow effective slashing or the stripping of bushland topsoil remove trees and stumps in a manner that does not mix sub soil with bushland topsoil. Slash the understorey to within 50mm of ground level, leaving the slashed trash insitu. | R178.2.1.1 |  | Site Inspection Report / Verification Checklist | IP | Environmental Scientist / Engineer |  |  |  |  |
| 3.08 | Clearing of built structures | Per Structure | * Built structures, including stormwater drainage systems and concrete paving inc. roundabouts, medians & footpaths other than those marked or identified for preservation, must be completely removed, inc. footings. * Built structures which are discovered during clearing & grubbing are to be retained until the Principal authorises their removal. * Excavations must be backfilled with surplus material from excavations or other material acceptable to the Principal & compacted in accordance with R11.4.9***.*** | G40.2.5 |  | Verification Checklist | IP | Site Foreman |  |  |  |  |
| 3.09 | Carry out grubbing works | Per Area | * All trees & stumps, on or within the limits of clearing defined in G40 Cl’s 2.1, 2.2 and 2.3, which are unable to be felled and removed by clearing methods must be removed by grubbing * Grubbing to be carried out to a depth of 0.5m below natural ground level and 1.5m below top of select material zone. | G40.3 |  | Verification Checklist | IP | Site Forman |  |  |  |  |
| 3.10 | Fill holes after grubbing | Per Area | * Holes remaining after trees & stumps have been grubbed and redundant drainage, and other structures removed must be backfilled promptly with sound material to prevent the infiltration and ponding of water. Backfilling material must be compacted to at least the relative compaction of the material existing in the adjacent ground. * If the holes are outside the formation (refer to G40.2.2), the final 50mm of backfilling must be topsoil and surface vegetated within 7 days of removal of the stump and comply with TfNSW Spec R178 | G40.3 |  | Verification Checklist | IP | Site Foreman |  |  |  |  |
| **4.0** | Production & Stockpiling of Mulch | | | | | | | | | | | |
| 4.01 | Mulch | Per Area | * Native trees removed during clearing & grubbing may be used in conjunction with soil ESC measures. * All other native trees removed must be converted to mulch & stockpiled for use during landscape planting under the Contract. Subject to the following constraints:  1. Where native vegetation on Site is insufficient to provide quantities of mulch needed during landscape planting, all native trees removed during clearing and grubbing must be mulched and stockpiled. *Under no circumstances must the extent of clearing and grubbing be extended or weeds or exotic species used to make up any shortfall of mulch;* 2. Where the quantity of mulch produced exceeds the quantity required under the Contract, the excess mulch must be removed from the Site. | G40.4.1, G40.4.2,  G40.5 &  G36.4.8 |  | Verification Checklist | IP | Environmental Rep. |  |  |  |  |
| 4.02 | Mulch Stockpiles | Per Cleared Area | * Ensure all much stockpiles are within designated areas. * If stockpile site not shown on the Drawings, submit an application to the Principal ≥ 10 working days prior to commencement of stockpiling. State the max dimensions of the proposed stockpile in application. * Stockpile sites must be located away from drainage lines & watercourses and must be arranged to minimise damage to natural vegetation & trees. Position stockpile so material may be transported away at any time. * Temporary erosion and sediment control measures installed as required. * Stockpiles must be monitored and turned over as required to avoid spontaneous combustion. * Ensure risk of tannin leachate from mulch is controlled in accordance with site stockpile procedure. | G40.4.2 & G38.3.6 |  | Verification Checklist | IP | Environmental Rep. |  |  |  |  |
| **5.0** | Disposal of Materials | | | | | | | | | | | |
| 5.01 | Waste Disposal | Per Cleared Area | * All materials cleared, pruned and grubbed ***and redundant drainage, concrete structures (including concrete median and concrete pavement) removed*** in in accordancewith G40 to be removed from the site for recycling ordisposal. * Disposal must be in accordance with your Waste Management Plan. | G40.2.5,  G40.5,  G36.4.11.4 & WARMP |  | Waste Register | IP | Environmental Rep. |  |  |  |  |

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| **Final Inspection** The signature below verifies that this ITP has been completed in accordance with the Fulton Hogan’s Quality system Procedures and verifies lot compliance with specifications.  **Print Name: Position: Signature: Date: / /** |

**Legend:**

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| **HP** | Hold Point | Work shall not proceed past the HP until released by the Project Verifier | **IP** | Inspection point | Formal Inspection to be done and recorded |
| **HP\*** | Fulton Hogan Hold Point | Work shall not proceed past the HP\* until released by Fulton Hogan | **TP** | Test Point | Product compliance test to be undertaken and recorded/reported |
| **WP** | Witness Point | An inspection which must be witnessed by the Project Verifier | **SCP** | Survey conformance point | A qualified surveyor to check product/section/structure and report |
| **AP** | Approval Point | Written or verbal approval given by the Project Verifier |  |  | |

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| **Notes** |  |  |