

Schedule 1

The acronyms and abbreviations used in the conditions below have the associated meaning:

Abbreviation	Means...
"the Act" or "RMA"	Resource Management Act 1991
"the AEE"	The applicant's assessment of environmental effects
"the Requiring Authority"	Palmerston North City Council
"the Council"	Palmerston North City Council (as Territorial Authority)
"E&SCP"	Erosion and Sediment Control Plan
"District Plan"	Operative Palmerston North District Plan
"the Designation"	The land affected by the designation is all that is shown and scheduled on the Designation Plan being Appendix A of the document titled: "Abby Road Notice of Requirement", Prepared by WSP; 7 September 2020. The plan is prepared by Hudson Associates Landscape Architects, titled: "Abby Road Northern Designation", DWG No. 62-003, Revision C, dated 2/09/2020.
"TMP"	Traffic Management Plan
"ESLD"	Council's Engineering Standards for Land Development 2019
"CI&SMP"	Comprehensive Infrastructure and Streetscape Management Plan
"CNVMP"	Construction Noise and Vibration Management Plan
"LP&S"	Landscape Plans and Specifications
"CMP"	Construction Management Plan
"SMP"	Stormwater Management Plan
"LPAP"	Landscape and Public Access Plan
"Site Investigations"	Include geotechnical investigations, surveys and monitoring activities
"the Project Works"	All works associated with the extension of Abby Road as described in the Notice of Requirement Dated 7 September 2020, but excludes any site investigations.

Interpretation:

Where there is any inconsistency between the Notice of Requirement documentation and the designation conditions, the designation conditions shall prevail.

Duration:

Pursuant to Section 184A(2)(c) of the RMA, the designation shall not lapse for a period of five (5) years after it is included in the Operative Palmerston North City District Plan.

Outline Plan of Works or Outline Waiver

The Designation conditions below require management plans to be prepared and implemented by the Requiring Authority, following their submission to Council for technical certification. It is anticipated that should these management plans be certified by Council, the Council may waive the requirements for an Outline Plan of Works pursuant to section 176A(2)(c) of the Resource Management Act 1991 ("RMA"). Notwithstanding the above, the Requiring Authority may apply for an Outline Plan of Works, should it wish to do so.

CONDITIONS

General

1. The Project Works must be undertaken in accordance with any:
 - (a) Approved Outline Plan; and
 - (b) management plans, following technical certification/ approval in accordance with procedures set out in the applicable conditions:
 - (i) Construction Management Plan (CMP)
 - (ii) Construction Noise and Vibration Management Plan (CNVMP)
 - (iii) Erosion and Sediment Control Plan (E&SCP)
 - (iv) Landscape and Public Access Plan (LPAP)
 - (v) Traffic Management Plan (Construction) (TMP)
 - (vi) Infrastructure & Streetscape Management Plan (I&SMP)
 - (vii) Stormwater Management Plan (SMP)
2. Should the Council refuse to certify any of the management plans in the conditions below, the Requiring Authority shall submit a revised management plan to the Territorial Authority for written technical certification. The certification process shall follow the same procedure and requirements as outlined in condition related to that management plan.

ADVICE NOTE: Certification from Council (or withholding of certification) shall be based on its assessment of whether the matters being considered achieve the purpose and objectives of condition and contain the specified information and requirements. Should the Territorial Authority refuse to certify any management plan, then the Territorial Authority will provide a letter outlining why certification is refused based on the parameters contained within the management plan condition(s).

3. Any management plan may be amended at any time by the Requiring Authority. Any amendments shall be submitted by the Requiring Authority to the Territorial Authority for written technical certification. If the amended management plan is certified, then it becomes the certified management plan for the purposes of any management plan condition. Any amendments to a management plan shall be:
 - a) in accordance with achieving the purpose of the management plan condition); and
 - b) be prepared by an appropriately qualified person.

Construction Management Plan

4. At least **20 working days** prior to the commencement of any earthworks or construction activity within the designation boundaries (excluding site investigations), the Requiring Authority shall submit to the Territorial Authority for technical certification a **CMP**. The purpose of the **CMP** is to ensure that appropriate measures are in place to avoid, remedy or mitigate potential adverse effects associated with the construction activities.
5. The **CMP** shall be prepared by a suitably qualified and experienced person and shall contain, but is not necessarily limited to, the following matters:
 - (a) anticipated date of commencement of works;
 - (b) a description of the proposed works;
 - (c) a programme of works, including sequencing of works, hours of operation and anticipated duration of works;
 - (d) contact details for site manager, including their phone number, email address and address for service;
 - (e) a list of key personnel and communications protocols;
 - (f) procedures to ensure compliance with the conditions of the relevant consents and permits;

- (g) site compound location shown on a plan (including areas for site offices and site parking);
 - (h) details of any measures to control mud and detritus from the site onto the road, including any on-site wheel washing and off site road sweeping, to be undertaken in conjunction with and in consideration of the Erosion & Sediment Control Plan;
 - (i) swept path analysis of delivery trucks through the access;
 - (j) The location of any site-office and portable toilet facilities;
 - (k) An accurate location of all existing underground network utilities and identify, using physical indicators placed on the ground, showing specific surveyed locations of the existing network utilities and measures to ensure all personnel are made aware of these utilities;
 - (l) Measures to ensure ongoing access is available to all utility operators for the use and maintenance during the entire construction period, including a communication procedure with those utility operators;
 - (m) complaints procedures and register;
 - (n) monitoring, audit and review programme;
 - (o) signage at the site informing of construction works and complaints procedure.
6. All construction works, including all off-loading or materials onto the subject site, shall be restricted to the hours between 7.30am to 6pm Monday to Saturday. Quiet setting up of site (not including running of plant or machinery) may start at 6:30am. No work shall occur on a Sunday or Public Holiday.

Construction Noise and Vibration Management Plan

7. At least **20 working days** prior to the commencement of any earthworks or construction activity within the designation boundaries (excluding site investigations), the Requiring Authority shall submit a **CNVMP** to the Territorial Authority for technical certification. The **CNVMP** shall be prepared by a suitably qualified and experienced person. The purpose of the **CNVMP** is to identify the noise and vibration performance standards that will, where practicable, be complied with and sets the framework for the development and implementation of particular noise and vibration management and control methodologies to minimise adverse effects on the health and safety of nearby residents (or other sensitive land uses) and to minimise any exceedance of the criteria set out in Conditions 8 and 9 below.
8. The **CNVMP** shall be in accordance with NZS 6803:1999 *Acoustics - Construction Noise* (NZS 6803:1999), and include the procedures, methods and measures for the control of noise associated with all relevant construction works authorized by this designation, which shall be formulated to comply, as far as practicable, with noise criteria developed with regards to Table 2 of NZS 6803:1999.

Time of week	Time Period	“Long-term” duration construction (dBA)	
		L _{Aeq}	L _A F _{max}
Noise criteria at residential buildings			
Weekdays	0630-0730	55	75
	0730-1800	70	85
	1800-2000	65	80
	2000-0630	45	75
Saturdays	0630-0730	45	75
	0730-1800	70	85
	1800-2000	45	75
	2000-0630	45	75
Sundays and public holidays	0630-0730	45	75
	0730-1800	55	85
	1800-2000	45	75
	2000-0630	45	75

ADVICE NOTE: There may be occasions when it is not practicable for construction activity to achieve the guideline criteria in the standard. In such circumstances, mitigation that is consistent with the best practicable option shall be adopted.

9. The **CNVMP** shall include specific details relating to methods for the control of ground vibrations associated with all relevant Project construction works, which shall be formulated to comply with German Standard DIN 4150-3:1999 *Structural vibration - Effects of vibration on structures*.
10. The **CNVMP** shall include, but is not necessarily limited to, the following information:
 - (a) Description of the works, laydown areas, anticipated equipment/processes and their scheduled durations;
 - (b) Hours of operation including times and days when construction activities causing noise and/or vibration would occur;
 - (c) The construction noise and vibration criteria for the project;
 - (d) Identification of affected dwellings and other sensitive activities where noise and vibration criteria apply;
 - (e) Mitigation options, including alternative strategies where full compliance with the relevant noise and/ or vibration criteria cannot be achieved;
 - (f) Requirements for management schedules containing site specific information. Specific management schedules shall include:
 - i. Construction vehicles delivery speeds and restrictions on routes and times for deliveries; and
 - ii. Notification to neighbouring residents.
 - (g) Methods and frequency for monitoring and reporting on construction noise and vibration;
 - (h) Procedures and methods for maintaining contact with stakeholders, notifying of proposed construction activities and handling noise and vibration complaints;
 - (i) Construction equipment operator training procedures and expected construction site behaviours;
 - (j) Contact numbers for key staff, staff responsible for noise and vibration assessment and Council officers;

- (k) Undertake a pre-construction building condition survey of buildings if at-risk from construction vibration;
- (l) Communicate and consult with affected residents regarding construction noise and vibration effects, including a letter-drop prior to the commencement of works;
- (m) Complaints procedures and register; and
- (n) Monitoring, audit and review programme.

Erosion and Sediment Control Plan

11. At least **20 working days** prior to the commencement of any earthworks or construction activity within the designation boundaries (excluding site investigations), the Requiring Authority shall submit for certification an **E&SCP** to the Council. The purpose of the **E&SCP** shall be to minimise sediment discharge from the site to the extent practicable.
12. The **E&SCP** shall as a minimum be based upon and incorporate those specific principles and practices which are appropriate for the Project Works and contained within the document titled *"Erosion and Sediment Control – Guidelines for the Wellington Region, dated June 2006"*, and shall include at least the following:
 - (a) details of all principles, procedures and practices that will be implemented to undertake erosion and sediment control to minimise the potential for sediment discharge from the site;
 - (b) the design criteria, supporting calculations, dimensions and contributing catchments of all key erosion and sediment control structures, including (but not limited to) diversion bunds/channels and decanting structures (if any).
 - (c) a site contour plan of a suitable scale to identify:
 - i. the extent of soil disturbance and vegetation removal;
 - ii. areas of cut and fill;
 - iii. locations of topsoil stockpiles;
 - iv. all key erosion and sediment control structures;
 - v. the boundaries and area of catchments contributing to all erosion and sediment control devices;
 - vi. the locations of all specific points of discharge to the environment; and
 - vii. any other relevant site information.
 - (d) Construction timetable for the erosion and sediment control works and the earthworks proposed;
 - (e) Specific design and construction details (including erosion and sediment controls) for all earthworks;
 - (f) Timetable and nature of progressive site rehabilitation and re-vegetation proposed;
 - (g) Maintenance, monitoring and reporting procedures;
 - (h) Rainfall response and contingency measures including procedures to minimise adverse effects in the event of extreme rainfall events and/or the failure of any key erosion and sediment control structures;
 - (i) Procedures and timing for review and/or amendment to the **E&SCP**; and

- (j) Identification and contact details of personnel responsible for the operation and maintenance of all key erosion and sediment control structures.

ADVICE NOTE: In respect of any of the principles or practices or specific items ((a) to (j)) that are required for an ESCP at Condition 12 above, where those principles, practices or items are also addressed in any Erosion and Sediment Control Plan that is approved or certified by the Horizons Regional Council for any regional resource consent that may be required, such certification may be accepted by the Council as deemed certification for the purposes of this condition.

ADVICE NOTE: Certification from the Council (or withholding of certification) shall be based on its assessment of whether the matters being considered achieve the objective of minimising sediment discharges from the site to the extent practicable. Should the Council refuse to certify the E&SCP, then the Council will provide a letter outlining why certification is refused based on the parameters contained in this condition.

- 13. The Requiring Authority shall ensure that a copy of the **E&SCP**, including any certified amendments, is kept onsite and this copy is updated within **5 working days** of any amendments being certified.

Dust Control

- 14. All operations on the site shall, as far as reasonably practicable, be carried out in such a manner as to avoid the generation of objectionable or offensive dust arising from construction works going beyond the boundary of designation area. The Requiring Authority must ensure that dust sources are regularly wetted during the construction period.

Landscape and Public Access Plan

- 15. At least 20 working days prior to the commencement of any earthworks or construction activity within the designation boundaries (excluding site investigations), the Requiring Authority shall submit a detailed Landscape and Public Access Plan ("**LPAP**") to the Council for written technical certification. The purpose of the LPAP is to demonstrate how the existing landscape will be modified; and, the soft landscape works are to be implemented and maintained; and, how public access from Abby Road to Manga o Tane Reserve will be provided and maintained upon the completion of the works. In particular, the LPAP is to achieve the following outcomes:
 - (a) That the land formation undertaken to construct the road is designed to integrate with the existing contour of the gully;
 - (b) Ensure that the land between the proposed road and Manga o Tane Reserve will be re-vegetated with native species that will match those within the Manga o Tane Reserve;
 - (c) That all road embankments either side of the road are re-vegetated (where located within the designation boundary); and,
 - (d) That public pedestrian access is provided within the proposed road corridor with public pedestrian access provided to the Manga o Tane Reserve (within the boundaries of the designation).
- 16. The LPAP must be prepared by a suitably experienced Landscape Architect and shall be in general accordance with the plan prepared by Hudson Associates Landscape Architects, titled: "Abby Road Northern Designation", DWG No. 62-003, Revision C, dated 2/09/2020. The LPAP must include, but is not necessarily limited to:
 - (a) Existing contours of the area of land affected;
 - (b) All areas of proposed earthworks cuts and fills, including area and volumes;
 - (c) The final contours proposed following the completion of earthworks;

- (d) Vegetation that is to be retained within the designation boundaries and any protection this vegetation is to be afforded during construction;
 - (e) the species, grade, spacing/location, and anticipated maximum height of all vegetation to be planted;
 - (f) how the land between the proposed road and Manga o Tane Reserve will be re-vegetated with native species;
 - (g) Details of any consultation and the views of Tanenuiarangi o Manawatu, and the extent to which this has been incorporated into the LPAP.
 - (h) specifications for any other landscape works treatments, such as mulching and tree-staking as appropriate, including the progressive surfacing, top soiling and re-vegetation immediately following completion of each stage of the works (if required);
 - (i) any specific vegetation maintenance procedures to be followed and the length of time that these will be undertaken;
 - (j) procedures for the inspection of vegetation health and replacement of dead or dying species (where required) during the 18 month establishment period; and,
 - (k) the extent to which condition 22 will be achieved with LED street lamps minimising light-spill away from the boundaries of the designation.
 - (l) the location, width and grade of any footpaths with the road and the public pedestrian access to Manga o Tane Reserve.
17. The works identified in the **LPAP**, must be completed by the Requiring Authority within **12 months** of completion of construction. The plantings must be monitored for **18 months** from the time of planting in order to allow for plant establishment to the satisfaction of the Council. This includes the removal of weeds within the vicinity of the plantings and the replacement of plants that die or are removed unlawfully within this period in the same location, with the same species. Any plants that fail must be replaced by the Requiring Authority.

Traffic Management Plan (Construction)

18. No less than **20 working days** prior to the commencement of any works on the site, a **TMP** prepared by a suitably qualified and experienced practitioner to the Council (in liaison with the Roading Manager) for technical certification. The purpose of the certified **TMP** is to set out how the effects of traffic on the surrounding road network are to be minimised during construction using reasonably practicable measures and the methods to be used to achieve these effects.
19. The certified **TMP** must include, but not be limited to, the following information, methods, measures and techniques to the achieve its purpose:
- (a) Purpose and scope of the plan;
 - (b) Relationship with other management plans;
 - (c) Hours of construction traffic activity;
 - (d) Estimated numbers and sizes of construction vehicles;
 - (e) Controlled internal and external access routes;
 - (f) Parking locations for construction staff;
 - (g) How safety risks on the land transport network can be minimized.
 - (h) Access and delivery locations, including swept path analysis for largest vehicles;
 - (i) Likely construction access routes to and from the site;
 - (j) Management of oversize loads;
 - (k) Wheel cleaning and covering of loads; and
 - (l) Management of any complaints.

Accidental Discovery

20. Prior to the commencement of works (including site investigations which disturb the soil), the Requiring Authority shall develop and have in place a procedure that is to be followed if any urupā, taonga (significant artefacts), kōiwi (human remains) or archaeological sites (whether recorded or unrecorded) are disturbed and/ or discovered during site works, including:
- (a) works in the location of any accidental discovery immediately cease; and
 - (b) the area is to be secured in a way that ensures any remains or artefacts are untouched.
21. In the event of an archaeological site, waahi tapu or koiwi being discovered or disturbed during the works authorised by this designation, the requiring authority shall immediately cease further work and inform:
- (a) the relevant local iwi;
 - (b) the Council (Council's Compliance Monitoring Officer); and
 - (c) Heritage New Zealand Pouhere Taonga.

Further work at the site shall be suspended while iwi carry out their procedures for removal of taonga. The Council's Compliance Monitoring Officer will advise the Requiring Authority when work at the site may recommence.

ADVICE NOTE: In the event that human remains are found the police should be contacted immediately and all works shall cease until advice is given that works can recommence.

ADVICE NOTE: The Requiring Authority is advised to contact the Heritage New Zealand Pouhere Taonga (HNZPT) if the presence of an archaeological site is suspected. Work affecting archaeological sites is subject to a consent process under the Heritage New Zealand Pouhere Taonga Act 2014. If any activity associated with this proposal, such as earthworks, fencing or landscaping, may modify, damage or destroy any archaeological site(s), an authority (consent) from HNZPT must be obtained for the work to proceed lawfully. Heritage New Zealand Pouhere Taonga 2014 contains penalties for unauthorised site damage.

Infrastructure & Streetscape Management Plan

22. At least **20 working days** prior to the commencement of any earthworks or construction activity within the designation boundaries (excluding site investigations) the Requiring Authority shall submit to the Council a **I&SMP** for written, technical certification. The purpose of the I&SMP is to demonstrate:
- (a) how the proposed roading design, infrastructure and streetscape works are to be designed and constructed in accordance with the Territorial Authority's ESDL; and,
 - (b) to demonstrate the location, design of any LED street lamps will minimise light-spill beyond the boundaries of the designation.

ADVICE NOTE: In considering certification of the **I&SMP**, the Council's Senior Planner will consult with Council's Subdivisions Engineer; Roding Manager; and, Stormwater Engineer.

23. The **I&SMP** must include, but be not limited to demonstrating the following:
- (a) Its relationship with other management plans, including integration with the **SMP** required under condition 29;

- (b) Engineering Plans demonstrating the detailed design for the project works;
 - (c) The outcome of the pre-construction road safety audit on the detailed design, as required by condition 26;
 - (d) Location, spatial allocation and dimensions of all: footpaths, formed road width(s) proposed vehicle access crossings (if any), berms and any other street infrastructure;
 - (e) The location and heights (where relevant) of all kerb and channel, vehicle crossings, intersections, on-street parking, road carriageways and street lighting.
 - (f) A spatial layout of the roading network; including connections to Johnstone Drive, Abby Road and connections to Adderstone Reserve.
 - (g) the location and capacity of all services;
 - (h) the location of any secondary flow path for stormwater;
 - (i) finished site contours for the site;
 - (j) the location, design and specifications of any LED street lamps designed to minimise light-spill beyond the boundaries of the designation;
 - (k) identify a Technical Representative (being a Professional Surveyor or Chartered Professional Engineer) to monitor the construction of all approved works in accordance with level CM 4 of IPENZ construction monitoring set out in Council's ESLD.
24. The Engineering Plans (demonstrating detailed design) required by condition 23(b) must be prepared by a Chartered Professional Engineer or Professional Surveyor with appropriate qualifications acceptable to Council.

Road Safety Design Audits

25. Detailed Road Safety Design Audits of the Abby Road extension and its intersection with Johnstone Drive must be carried out for the Requiring Authority by an independent, suitably qualified and experienced road safety auditor at the following stages:
- (a) pre-construction Detailed Design; and,
 - (b) pre-opening/ post-construction.
26. The Detailed Road Safety Design Audits required by condition 25 must be undertaken in accordance with the '*New Zealand Transport Agency Road Safety Audit Procedures for Projects Guidelines – Interim release May 2013*' and provided to the Council within 1 month of completion of each stage.

ADVICE NOTE: In satisfying this condition, the auditor will make recommendations (if necessary) in an audit document for the consideration of the Requiring Authority. The decision on whether to accept, modify or reject any recommendation, including reasons, will be recorded in the audit document.

Geotechnical Design and Supervision

27. The requiring Authority shall, at least **20 working days** prior to the commencement of any earthworks or construction activity within the designation boundaries (excluding site investigations), submit to the Council a **Geotechnical Report** by a suitably qualified and experienced geotechnical engineer. The Geotechnical Report must:
- (a) assess the design of all earthworks to be undertaken within the designation boundaries.
 - (b) provides a professional opinion and recommendations with respect to any permanent areas of earthworks cuts or fills to ensure stability during and following the cut or filling operation; and drainage is installed where fill is provided, if deemed by the geotechnical engineer to be required, to ensure long term stability of the areas of fill.

28. The Requiring Authority must appoint and have approved by Council a Technical Representative (being Chartered Professional Engineer experienced in the field of geotechnical assessment) to monitor the construction of all approved earthworks in accordance with level CM 4 of IPENZ construction monitoring set out in Council's ESLD.

Stormwater Management Plan

29. Prior to the certification of the **I&SMP** and at least **20 working days** prior to the commencement of any earthworks or construction activity within the designation boundaries (excluding site investigations) the Requiring Authority shall submit to the Council a **SMP** for written technical certification. The **SMP** must be prepared by a suitably qualified and experienced stormwater professional and achieve the following purpose:
- (a) be designed to comply with the Council's ESLD;
 - (b) Mitigate "post-development" flow to "pre-development" levels for the 2-year through 100-year Annual Return Interval design storm; and,
 - (c) Achieve effective treatment of stormwater runoff up to the 90% percentile rainfall event (15 mm depth) in an appropriate stormwater treatment facility.
30. The certified **SMP** must include, but is not limited to, the following:
- (a) Comprehensive details of the engineering calculations of both pre-development and post-development stormwater runoff flows from all hardstand areas associated with the road extension;
 - (b) Identification of the location, sizing, placement and configuration of stormwater quantity and quality controls;
 - (c) Confirmation of the locations of secondary flow paths;
 - (d) Details of how any stormwater infrastructure will connect to the surrounding network;
 - (e) Details of any consultation and the views of Tanenuiarangi o Manawatu, and the extent to which this has been incorporated into the SMP;
 - (f) An explanation of how the SMP will meet the requirements of the ESLD.
31. No construction or earthworks activities (excluding site investigations) shall commence on the site prior to the **SMP** being certified.