



**VARIATION OF CONDITIONS ATTACHED TO APPROVAL
North Galilee Basin Rail Project, Abbot Point to Galilee Basin, Queensland
(EPBC 2013/6885)**

This decision to vary conditions of approval is made under section 143 of the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).

Approved action

Person to whom the approval is granted	Adani Mining Pty Ltd ACN: 145 455 205
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Approved action	The construction and operation of a rail corridor approximately 310 km in length, including standard gauge rail and associated infrastructure, from approximately 70 km east of Carmichael Mine, to the Port of Abbot Point, Queensland [see EPBC Act referral 2013/6885 and request to vary proposal dated 16 April 2014]
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Variation

Variation of conditions attached to approval	The variation is: Delete Appendix A attached to the approval and replace with Appendix A as shown below.
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Date of effect	This variation has effect on the date the instrument is signed
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Person authorised to make decision

Name and position	Kim Farrant Assistant Secretary Environment Assessments (Vic, Tas) and Post Approvals Branch
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Signature

Date of decision	25 August 2021
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Date of decision	Conditions attached to approval																														
Original dated 14/10/2015	1. The Minister may determine that a plan, report or strategy approved by the Queensland Government satisfies a plan, report or strategy required under these conditions.																														
Variation dated 4/05/2020	<p>Project area</p> <p>2. For the purpose of the proposed action, the approval holder must not clear vegetation outside the project area unless targeted pre-clearance surveys have demonstrated that Matters of National Environmental Significance will not be impacted.</p>																														
Original dated 14/10/2015	<p>3. The approval holder must comply with the disturbance limits for specified EPBC Act listed species and communities as specified in Table 1.</p> <p><i>Note: The maximum disturbance limits in Table 1 apply to authorised impacts on EPBC Act listed species and communities as a result of construction, operation and decommissioning of the rail corridor and associated infrastructure within the Project area (i.e. they are 'whole of Project' disturbance limits) for the duration of the Project approval.</i></p> <p>Table 1: Maximum disturbance limits for EPBC Act listed species and communities.</p> <table border="1" data-bbox="400 786 1445 1720"> <thead> <tr> <th data-bbox="408 797 922 864">Species</th> <th data-bbox="930 797 1437 864">Maximum disturbance (i.e. maximum residual impact to habitat)</th> </tr> </thead> <tbody> <tr> <td colspan="2" data-bbox="408 869 1437 909">Listed threatened species - fauna</td> </tr> <tr> <td data-bbox="408 913 922 954">Australian Painted Snipe</td> <td data-bbox="930 913 1437 954">45.6 hectares</td> </tr> <tr> <td data-bbox="408 958 922 999">Black-throated Finch</td> <td data-bbox="930 958 1437 999">1836.2 hectares</td> </tr> <tr> <td data-bbox="408 1003 922 1043">Squatter Pigeon</td> <td data-bbox="930 1003 1437 1043">1361.8 hectares</td> </tr> <tr> <td data-bbox="408 1048 922 1088">Ornamental Snake</td> <td data-bbox="930 1048 1437 1088">421.6 hectares</td> </tr> <tr> <td data-bbox="408 1093 922 1133">Koala</td> <td data-bbox="930 1093 1437 1133">2047.6 hectares</td> </tr> <tr> <td colspan="2" data-bbox="408 1144 1437 1184">Listed threatened species – flora</td> </tr> <tr> <td data-bbox="408 1189 922 1229">Black Ironbox</td> <td data-bbox="930 1189 1437 1229">175.4 hectares</td> </tr> <tr> <td data-bbox="408 1234 922 1274">King Bluegrass</td> <td data-bbox="930 1234 1437 1274">263.3 hectares</td> </tr> <tr> <td data-bbox="408 1279 922 1319">Bluegrass</td> <td data-bbox="930 1279 1437 1319">354.2 hectares</td> </tr> <tr> <td data-bbox="408 1323 922 1417">Threatened ecological community</td> <td data-bbox="930 1323 1437 1417">Maximum disturbance (i.e. maximum residual impact to community)</td> </tr> <tr> <td data-bbox="408 1422 922 1498">Brigalow (<i>Acacia harpophylla</i> dominant and co-dominant)</td> <td data-bbox="930 1422 1437 1498">195.2 hectares</td> </tr> <tr> <td data-bbox="408 1503 922 1597">Natural grasslands of the Queensland central highlands and the northern Fitzroy Basin</td> <td data-bbox="930 1503 1437 1597">133.2 hectares</td> </tr> <tr> <td data-bbox="408 1601 922 1700">Semi-evergreen vine thickets of the Brigalow Belt (north and south) and Nandewar regions</td> <td data-bbox="930 1601 1437 1700">55.7 hectares</td> </tr> </tbody> </table> <p data-bbox="379 1738 1362 1798">Note: Table 1 is derived from information in the Coordinator-General's Assessment Report (August 2014).</p>	Species	Maximum disturbance (i.e. maximum residual impact to habitat)	Listed threatened species - fauna		Australian Painted Snipe	45.6 hectares	Black-throated Finch	1836.2 hectares	Squatter Pigeon	1361.8 hectares	Ornamental Snake	421.6 hectares	Koala	2047.6 hectares	Listed threatened species – flora		Black Ironbox	175.4 hectares	King Bluegrass	263.3 hectares	Bluegrass	354.2 hectares	Threatened ecological community	Maximum disturbance (i.e. maximum residual impact to community)	Brigalow (<i>Acacia harpophylla</i> dominant and co-dominant)	195.2 hectares	Natural grasslands of the Queensland central highlands and the northern Fitzroy Basin	133.2 hectares	Semi-evergreen vine thickets of the Brigalow Belt (north and south) and Nandewar regions	55.7 hectares
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Original dated 14/10/2015	<p>Matters of National Environmental Significance management plans (MNESMP)</p> <p>4. At least three months prior to commencement, the approval holder must submit to the Minister for approval Matters of National Environmental Significance management plan/s for the management of direct and indirect impacts of the proposed action on Matters of National Environmental Significance, being for the purposes of the MNESMP: the species and communities listed in Table 1, and the Outstanding Universal Value of the Great Barrier Reef World Heritage Area.</p>																														

Date of decision	Conditions attached to approval
	<p><i>Note: If the MNESMP does not address any specific future activities it should be updated in accordance with Condition 20 and submitted to the Department prior to these specific future activities being undertaken.</i></p>
<p>Original dated 14/10/2015</p>	<p>5. The MNESMP must be consistent with relevant recovery plans, threat abatement plans and approved conservation advices and must include:</p> <ul style="list-style-type: none"> a. a description of environmental values for each of the Matters of National Environmental Significance addressed in the MNESMP b. details of baseline and impact monitoring measures to be implemented for each of the Matters of National Environmental Significance including control and impact sites to be monitored throughout the life of the project. The monitoring must provide sufficient data to quantify likely impacts resulting from the proposed action, to determine appropriate habitat management goals (See Conditions 5e and 5f) c. details of potential impacts, including area of impact, on each of the Matters of National Environmental Significance from the proposed action, including impacts from: <ul style="list-style-type: none"> i. vegetation clearing ii. earthworks iii. construction works iv. noise and vibration v. train strike vi. emissions (including dust) vii. light spill and other visual impacts viii. waterway crossings ix. weeds and pests d. measures that will be undertaken to mitigate and manage impacts on Matters of National Environmental Significance resulting from the proposed action. These measures must include but not be limited to: <ul style="list-style-type: none"> i. For Matters of National Environmental Significance to which the MNESMP apply (see Conditions 4, 7 and 9), relevant mitigation measures proposed in sections 7.6, 7.8 and 7.9 of Volume 2 Appendix D of the Final EIS ii. the use of fauna spotters prior to and during all vegetation clearing activities to ensure impacts on Matters of National Environmental Significance are minimised iii. measures to avoid impacts on Matters of National Environmental Significance and their habitat located in the Project area, but outside areas to be cleared or constructed upon, including adjacent to cleared areas iv. measures to rehabilitate all disturbed areas of habitat for Matters of National Environmental Significance addressed in the MNESMP (see Conditions 4, 7 and 9) e. goals for habitat management for each relevant Matter of National Environmental Significance f. a table of specific criteria for assessing the success of management measures against goals, and triggers for implementing corrective measures if criteria are not met within specified timeframes. Goals and triggers must be based on the baseline condition of the relevant Matters of National Environmental Significance as determined through baseline monitoring (see Condition 5b).

Date of decision	Conditions attached to approval
	<p>Corrective measures must include provision of offsets where it is determined that corrective management measures have not achieved goals within specified timeframes</p> <p>g. an ongoing monitoring program to determine the success of mitigation and management measures against the criteria required in Condition 5f, including monitoring locations, parameters and timing</p> <p>h. details of how non-compliance will be reported</p> <p>i. details of how the MNESMP will be updated to incorporate and address outcomes from surveys undertaken for Matters of National Environmental Significance under this and any state approvals, including updating of goals, criteria and triggers (as required under Conditions 5e and 5f)</p> <p>j. provisions to ensure that suitably qualified and experienced persons are responsible for undertaking monitoring, review, and implementation of the MNESMP.</p>
Original dated 14/10/2015	6. The approval holder must not commence until all the required MNESMP have been approved by the Minister in writing. The approved plan/s must be implemented.
Original dated 14/10/2015	7. Where pre-clearance surveys, as required under state approvals , identify individuals of, or habitat for, an EPBC Act listed species or community not previously identified and reported to the Department , the approval holder must notify the Department in writing within five business days of finding these individuals or habitat, and within 40 business days of finding these individuals or habitat must submit to the Department for the Minister's written approval updated MNESMP detailing how impacts to the newly identified EPBC Act listed species or community will be avoided, mitigated and/or offset. Once approved, the revised MNESMP must be implemented.
Original dated 14/10/2015	8. The approval holder must revise the MNESMP following pre-clearance surveys required under state approvals and resubmit the MNESMP to the Department for the Minister's written approval within 3 months of pre-clearance surveys being completed. Once approved, the revised MNESMP must be implemented.
Original dated 14/10/2015	<p>9. If, through pre-clearance surveys as required under state approvals, individuals of, or habitat for, an EPBC Act listed species or community not previously identified and reported to the Department are identified, the approval holder must not start or, in the case of work already commenced, must immediately cease any part of the proposed action that may significantly impact that EPBC Act listed species or community, until MNESMP addressing these impacts have been approved by the Minister in writing. Once approved, the revised MNESMP must be implemented.</p> <p><i>Note: Management plans may also be required under associated EPBC approvals (EPBC 2010/5736 and EPBC 2011/6194) and under state approvals. Whenever possible a combined document should be prepared to address both state government and EPBC Act approval conditions.</i></p>
Original dated 14/10/2015	10. To compensate for authorised unavoidable impacts on Matters of National Environmental Significance , the approval holder must submit a Biodiversity Strategy (BOS) to the Minister at least two months prior to commencement .
Original dated 14/10/2015	11. Offsets for authorised unavoidable impacts (defined as maximum disturbance limits in Table 1, or actual impacts as defined after detailed design and pre-clearance surveys required under state approvals), must be managed in accordance with the BOS.
Variation dated 13/1/2021	<p>12. The BOS must be consistent with the Galilee Basin Offset Strategy, where relevant, relevant recovery plans, threat abatement plans, conservation advices and MNESMP (see Condition 5), and must include:</p> <p>a. location of species and communities habitat offset areas including maps in electronic Geographic Information System (GIS) format</p>

Date of decision	Conditions attached to approval
	<ul style="list-style-type: none"> b. details of how offset sites have been or will be legally secured within 5 years of commencement to ensure their long-term protection c. details of how offset sites adequately compensate for residual significant impacts to Matters of National Environmental Significance in accordance with the EPBC Act Offsets Policy d. a monitoring program for the offset site/s suitable to measure the success of the management measures against stated performance criteria including monitoring locations, parameters and timing e. a description of the potential risks to the successful implementation of the BOS, and details of measures that will be implemented to mitigate these risks f. details of how the BOS will be updated to incorporate outcomes from surveys undertaken for Matters of National Environmental Significance under this and any state approvals, including updating of goals, criteria and triggers (as outlined at Conditions 5e and 5f). g. an outline of how compliance with the BOS will be reported h. provisions to ensure that suitably qualified and experienced persons are responsible for undertaking monitoring, review, and implementation of the BOS i. detailed processes for any residual impacts on Matters of National Environmental Significance (see Condition 5f) to be offset in accordance with the EPBC Act Offsets Policy, including a process for offset requirements to be developed in consultation with the Department and relevant Queensland Government agencies j. a detailed process for any significant residual impact on any EPBC Act listed species or community not identified in Table 1 to be offset in accordance with the EPBC Act Offsets Policy (see Condition 7).
Original dated 14/10/2015	<p>13. The approval holder must not commence unless and until the BOS has been approved by the Minister in writing. The approved BOS must be implemented.</p> <p><i>Note: A Biodiversity Offset Strategy is also required under the State Government approval for the project. A single document must be prepared to address both State Government and EPBC Act approval conditions.</i></p>
Variation dated 13/1/2021	<p>14. Within six months of the approval of the BOS by the Minister, the approval holder must submit to the Minister for approval a management plan for each offset area proposed in the approved BOS. Each offset area management plan must address the relevant requirements of the BOS, and contain:</p> <ul style="list-style-type: none"> a. detailed baseline description of offset areas, including surveys undertaken, condition of existing Matters of National Environmental Significance and their habitats, relevant environmental values, area of primary habitat for each EPBC Act listed species and community, connectivity with other habitat areas and biodiversity corridors b. management measures and offset plans for each offset area to improve the habitats of relevant Matters of National Environmental Significance c. a table of specific goals and associated timeframes for habitat management measures for each offset area with criteria for assessing the success of habitat management measures and corrective measures to be implemented if criteria are not met. <p>If the BOS is revised and the revised BOS is approved by the Minister, and if the revision changed the proposed offsets from those proposed in the previously approved BOS, then the approval holder must, within four months of the approval of the revised BOS, submit to the Minister for approval an offset area management plan for any new offset area and a revised offset area management plan for any altered offset area.</p>

Date of decision	Conditions attached to approval
Original dated 14/10/2015	15. Once approved, offset area management plans must be implemented.
Original dated 14/10/2015	Standard conditions 16. Within 30 days of the commencement of the action, the approval holder must advise the Department in writing of the actual date of commencement .
Original dated 14/10/2015	17. The approval holder must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the management plans, reports, and strategies required by this approval, and make them available upon request to the Department . Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the Department's website. The results of audits may also be publicised through the general media.
Original dated 14/10/2015	18. Within three months of every 12 month anniversary of the commencement of the action, the approval holder must publish a report on its website addressing compliance with each of the conditions of this approval, including implementation of any management plans, reports or strategies as specified in the conditions. The report must remain on the website for three years. Documentary evidence providing proof of the date of publication must be provided to the Department at the same time as the compliance report is published. Likely (as defined by relevant triggers incorporated in the MNESMP as required by Condition 5f) or actual non-compliance with any of the conditions of this approval must be reported to the Department in writing within 2 business days of the approval holder becoming aware of the likely or actual non-compliance.
Original dated 14/10/2015	19. Upon the direction of the Minister , the approval holder must ensure that an independent audit of compliance with the conditions of approval is conducted and a report submitted to the Minister . The independent auditor and audit criteria must be approved by the Minister prior to the commencement of the audit. The audit report must address the criteria to the satisfaction of the Minister.
Original dated 14/10/2015	20. The approval holder may choose to revise a management plan, report or strategy approved by the Minister under condition 4 without submitting it for approval under section 143A of the EPBC Act , if the taking of the action in accordance with the revised management plan, report or strategy would not be likely to have a new or increased impact. If the approval holder makes this choice they must: a. notify the Department in writing that the approved management plan, report or strategy has been revised and provide the Department with an electronic copy of the revised management plan, report or strategy; b. implement the revised management plan, report or strategy from the date that the management plan, report or strategy is submitted to the Department ; and c. for the life of this approval, maintain a record of the reasons the approval holder considers that taking the action in accordance with the revised management plan, report or strategy would not be likely to have a new or increased impact.
Original dated 14/10/2015	20A. The approval holder may revoke their choice under condition 20 at any time by notice to the Department . If the approval holder revokes the choice to implement a revised management plan, report or strategy, without approval under section 143A of the EPBC Act , the management plan, report or strategy approved by the Minister must be implemented.
Original dated 14/10/2015	20B. Condition 20 does not apply if the revisions to the approved management plan, report or strategy include changes to environmental offsets provided under the management plan, report or strategy in relation to the matter, unless otherwise agreed in writing by the Minister . This does not otherwise limit the circumstances in which the taking of the action in accordance with a revised management plan, report or strategy would, or would not, be likely to have new or increased impacts.

Date of decision	Conditions attached to approval
Original dated 14/10/2015	<p>20C. If the Minister gives a notice to the approval holder that the Minister is satisfied that the taking of the action in accordance with the revised management plan, report or strategy would be likely to have a new or increased impact, then:</p> <p style="padding-left: 40px;">a. condition 20 does not apply, or ceases to apply, in relation to the revised management plan, report or strategy; and</p> <p style="padding-left: 40px;">b. the approval holder must implement the management plan, report or strategy approved by the Minister.</p> <p>To avoid any doubt, this condition does not affect any operation of conditions 20, 20A and 20B in the period before the day the notice is given.</p> <p>At the time of giving the notice the Minister may also notify that for a specified period of time that condition 20 does not apply for one or more specified management plans, reports or strategies required under the approval.</p>
Original dated 14/10/2015	<p>20D. Conditions 20, 20A, 20B and 20C are not intended to limit the operation of section 143A of the EPBC Act which allows the approval holder to submit a revised management plan, report or strategy to the Minister for approval.</p>
Original dated 14/10/2015	<p>21. If the Minister believes that it is necessary or convenient for the better protection of World Heritage properties, National Heritage places, listed threatened species and communities, listed migratory species, the Great Barrier Reef Marine Park or Commonwealth marine areas to do so, the Minister may request that the approval holder make specified revisions to the management plans, reports, and strategies specified in the conditions and submit the revised management plans, reports, and strategies for the Minister's written approval. The approval holder must comply with any such request. The revised approved management plans, reports, and strategies must be implemented. Unless the Minister has approved the revised management plans, reports, and strategies, then the approval holder must continue to implement the management plans, reports, and strategies originally approved, as specified in the conditions.</p>
Original dated 14/10/2015	<p>22. If, at any time after ten years from the date of this approval, approval holder has not substantially commenced the action, then the approval holder must not substantially commence the action without the written agreement of the Minister.</p>
Original dated 14/10/2015	<p>23. Unless otherwise agreed to in writing by the Minister, the approval holder must publish all management plans, reports, and strategies referred to in these conditions of approval on its website. Each management plan, report, and strategy must be published on the website within one month of being approved and remain on the website for not less than ten years, or a longer period if specified in writing by the Minister, and be otherwise made available to any party upon written request for the duration of the approval. The approval holder must provide the requested management plan/s, report/s and/or strategy/ies to the requesting party within 10 business days of receiving the request.</p>

Date of decision	Definitions attached to approval
Original dated 14/10/2015	<p>Approval holder: The person to whom the approval is granted, or any person acting on their behalf, or to whom the approval is transferred under section 145B of the EPBC Act.</p>
Original dated 14/10/2015	<p>Australian Painted Snipe: means the Australian Painted Snipe (<i>Rostratula australis</i>) listed as a threatened species under the EPBC Act.</p>
Original dated 14/10/2015	<p>Black-throated Finch: means the Black-throated Finch (Southern) (<i>Poephila cincta cincta</i>) listed as a threatened species under the EPBC Act.</p>
Original dated 14/10/2015	<p>Black Ironbox: means the Black Ironbox (<i>Eucalyptus raveretiana</i>) listed as a threatened species under the EPBC Act.</p>
Original dated 14/10/2015	<p>Bluegrass: means the Bluegrass (<i>Dichanthium setosum</i>) listed as a threatened species under the EPBC Act.</p>

Date of decision	Definitions attached to approval
Original dated 14/10/2015	Brigalow (Acacia harpophylla dominant and co-dominant): means the community of the same name listed as a threatened ecological community under the EPBC Act .
Original dated 14/10/2015	<p>Commence/Commenced/Commencement/Commencing: means any physical disturbance including clearing of vegetation that is an EPBC listed species or community or that is habitat for an EPBC listed species or community for the purposes of the proposed action. Commencement does not include:</p> <p>a. minor physical disturbance necessary to undertake pre-clearance surveys or establish monitoring programs or associated with the mobilisation of the plant, equipment, materials, machinery and personnel prior to the start of railway and road development or construction; or</p> <p>b. activities that are critical to commencement that are associated with mobilisation of plant and equipment, materials, machinery and personnel prior to the start of railway or road development or construction only if such activities will have no adverse impact on Matters of National Environmental Significance, and only if the approval holder has notified the Department in writing before an activity is undertaken.</p>
Original dated 14/10/2015	The/ Department: means the Australian Government Department administering the Environment Protection and Biodiversity Conservation Act 1999.
Original dated 14/10/2015	Environmental values: includes but is not limited to habitat for EPBC Act listed species and communities and the Outstanding Universal Value of the Great Barrier Reef World Heritage Area.
Original dated 14/10/2015	The/ EPBC/EPBC Act: means the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (Cth)
Original dated 14/10/2015	The/ EPBC Act listed species and/or community/ies: means a threatened species or community, or a migratory species listed under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (Cth)
Original dated 14/10/2015	EPBC Act Offsets Policy: means the <i>Environment Protection and Biodiversity Conservation Act 1999 Environmental Offsets Policy</i> (October 2012).
Original dated 14/10/2015	Final EIS: means the North Galilee Basin Rail Project Additional Information to the Environmental Impact Statement as provided to the Department on 15 April 2014.
Variation dated 26/9/2019	Galilee Basin Offset Strategy: is the Queensland Government Department's <i>Galilee Basin Offset Strategy (2013)</i> or any future updated version.
Original dated 14/10/2015	Impact/s/ed: has the definition assigned to it in section 527E of the EPBC Act .
Original dated 14/10/2015	King Bluegrass: means the King Bluegrass (<i>Dichanthium queenslandicum</i>) listed as a threatened species under the EPBC Act .
Original dated 14/10/2015	Koala: means the Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) (<i>Phascolarctos cinereus</i> (combined populations of Qld, NSW and the ACT)) listed as a threatened species under the EPBC Act .
Original dated 14/10/2015	Legally secure/d: means to secure a covenant or similar legal agreement in relation to a site, to provide enduring protection for the site against developments incompatible with conservation.
Original dated 14/10/2015	Matter/s of National Environmental Significance/ MNES: means matters of national environmental significance, being the relevant matters protected under Part 3 of the EPBC Act .
Original dated 14/10/2015	Natural grasslands of the Queensland central highlands and the northern Fitzroy Basin: means the community of the same name listed as a threatened ecological community under the EPBC Act .

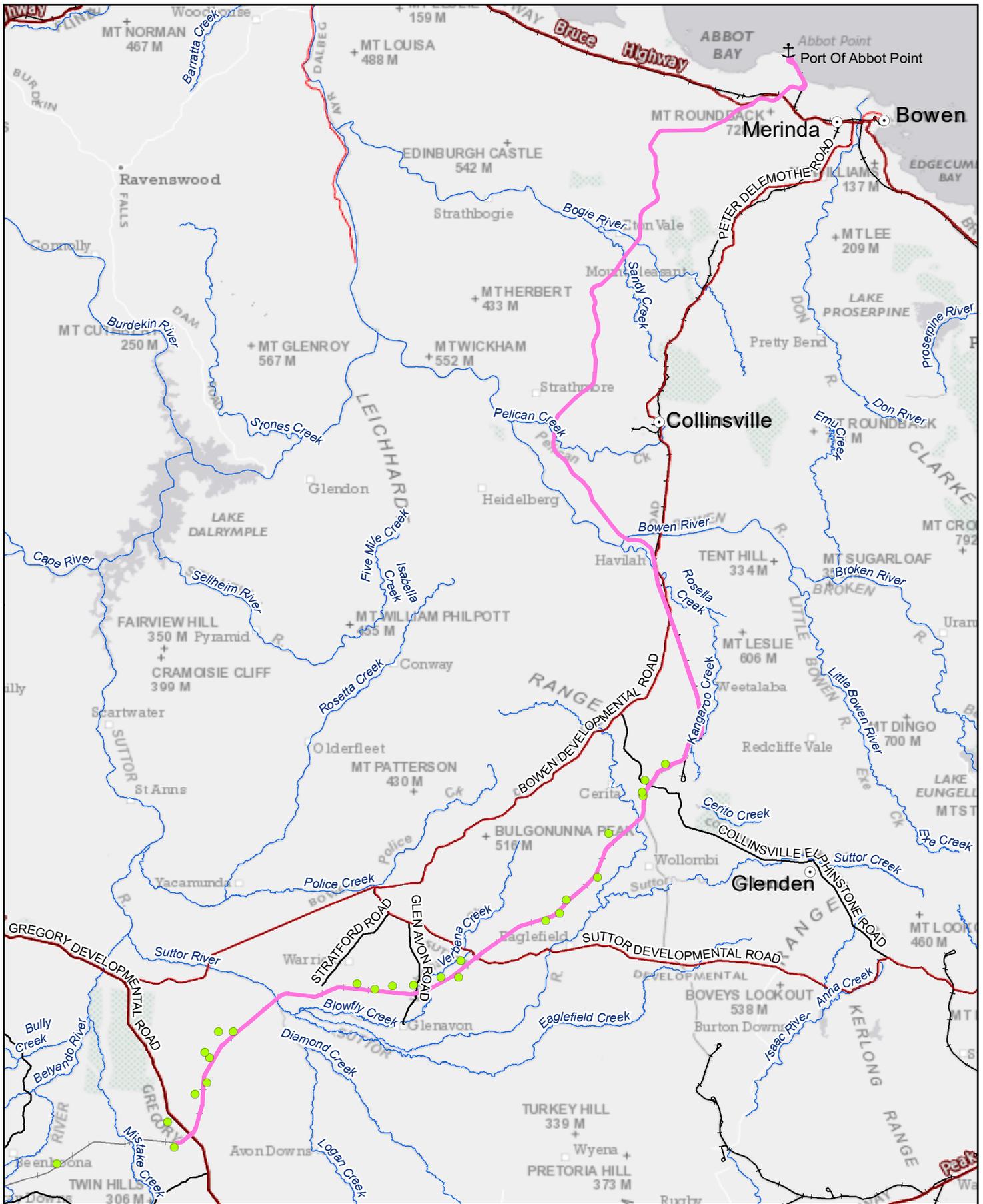
Date of decision	Definitions attached to approval
Original dated 14/10/2015	New or increased impact: a new or increased impact on any matter protected by the controlling provisions for the action, when compared to the management plan, report or strategy that has been approved by the Minister .
Original dated 14/10/2015	Ornamental Snake: means the Ornamental Snake (<i>Denisonia maculata</i>), listed as a threatened species under the EPBC Act .
Variation dated 21/2/2021	Project area: means the identified key features of the NGBR Project as shown in Appendix A , subject to minor alterations made in order to avoid Matters of National Environmental Significance or State Significant Biodiversity Values identified during pre-clearance surveys, where these alterations will result in a lower level of impact to these matters.
Original dated 14/10/2015	Semi-evergreen vine thickets of the Brigalow Belt (north and south) and Nandewar regions: means the community of the same name listed as a threatened ecological community under the EPBC Act .
Original dated 14/10/2015	Squatter Pigeon: means the Squatter Pigeon (Southern) (<i>Geophaps scripta scripta</i>), listed as a threatened species under the EPBC Act .
Original dated 14/10/2015	State approvals: means any permits, licences or other authorisations, including any associated conditions, issued in relation to the action by any Queensland Government agency.
Original dated 14/10/2015	Substantially commenced: means the same as commenced .
Original dated 14/10/2015	The Minister: means the Minister administering the <i>Environment Protection and Biodiversity Conservation Act 1999</i> and includes a delegate of the Minister .

Date of decision	<u>Attachments</u>
As varied on the date this instrument was signed	Appendix A – 33 maps showing overview and key features of the North Galilee Basin Rail Project, and potential quarry and borrow locations.

Appendix A

33 maps showing overview and key features of the North Galilee Basin Rail Project EPBC 2013/6885

- Potential quarry and borrow locations – 1 map
- Overview map - North Galilee Basin Rail Project – 1 map
- Key features of the North Galilee Basin Rail Project – 31 maps

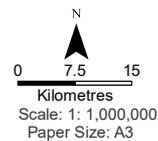


CARMICHAEL RAIL NETWORK

LEGEND

- Major Port
- Population centres
- NGBR Project final rail corridor

- Carmichael Project (Rail)
- Railway
- Watercourses (Major)
- Potential quarry and borrow locations



Map Projection: Transverse Mercator
 Horizontal Datum: GDA94
 Grid: GDA 1994 MGA Zone 55

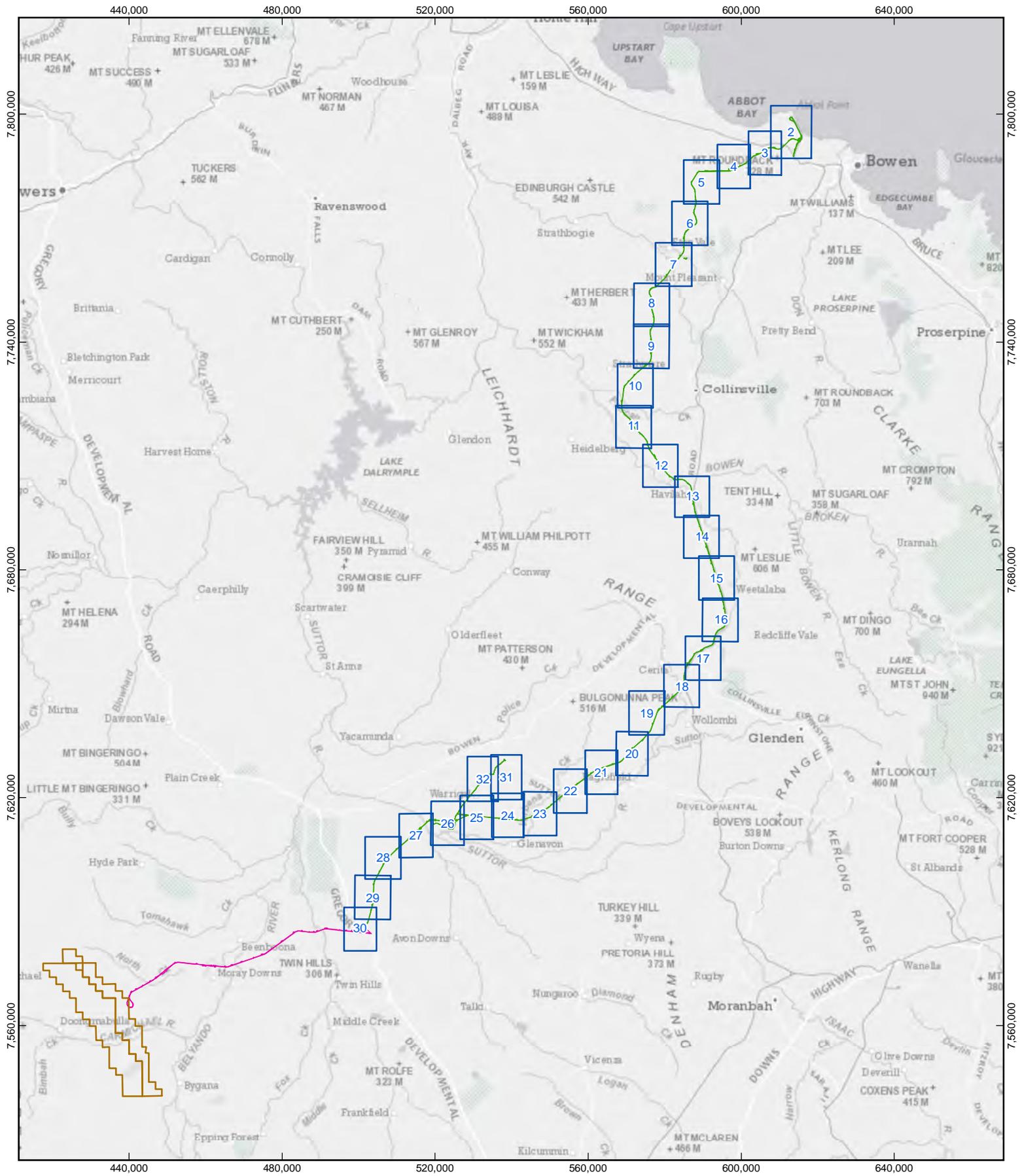


Potential quarry and borrow locations Figure 2-2

Date 20 February 2020 Drawn SK
 Revision A Approved CM

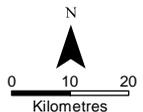
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Every reasonable effort has been made by Carmichael Rail Network Pty Ltd (Carmichael Rail Network) to ensure the accuracy of the information contained on this map within a reasonable margin of error based on current ground surveys and imagery. To the extent permitted by law, Carmichael Rail Network excludes liability to any person or entity with respect to any loss or damage caused directly or indirectly by their use of or reliance on the information contained on this map. Changes and additions to the information contained on this map are made frequently. Carmichael Rail Network may make such changes and additions at any time. Carmichael Rail Network does not warrant the accuracy of the information contained on this map. © Carmichael Rail Network Pty Ltd



LEGEND
 Carmichael Mine Lease Boundary
 EPBC CCMR Boundary - SP1
 EPBC NGBR Boundary

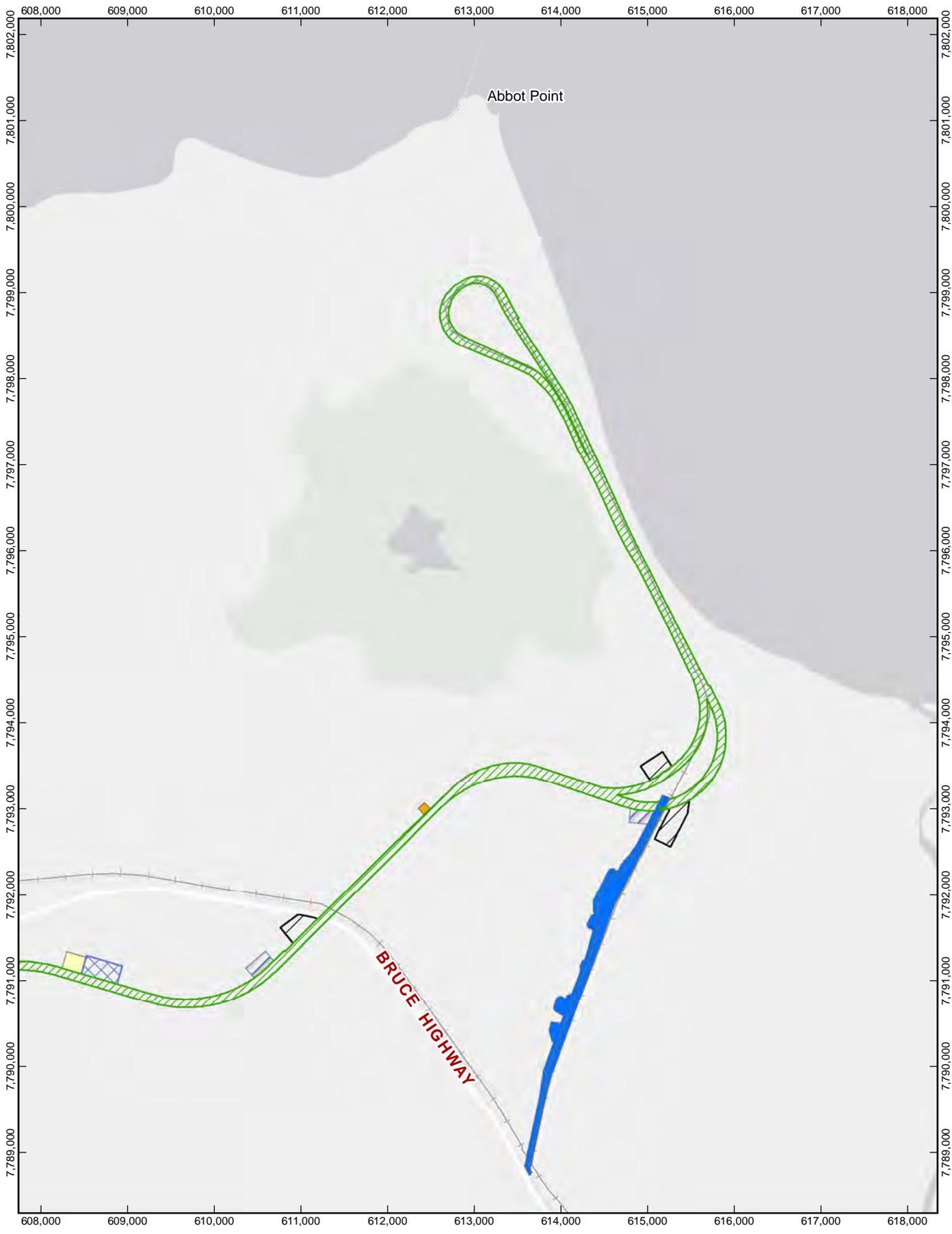
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Scale: 1: 1,300,000
Coordinate System: GDA 1994 MGA Zone 55
Projection: Transverse Mercator
Datum: GDA 1994



Carmichael Rail Network
Overview map
North Galilee Basin Rail Project (NGBR)
Map 1 of 32

Date 04 August 2021
Revision 0
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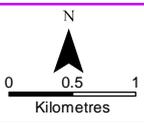
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LEGEND

- BRIDGE LAYDOWN AREA MAINTENANCE YARD CORRIDOR TURNING CIRCLE
- CONCRETE BATCH PLANT RAIL CORRIDOR Existing rail network
- CONSTRUCTION CAMP TRACK LAYDOWN AREA

Paper Size: A4
 Scale: 1: 60,000
 Coordinate System: GDA 1994 MGA Zone 55
 Projection: Transverse Mercator
 Datum: GDA 1994



Carmichael Rail Network
 Key features of the
 North Galilee Basin Rail Project (NGBR)

Date 04 August 2021
 Revision 0
 Drawn CMM
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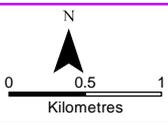
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LEGEND

- BRIDGE LAYDOWN AREA
- RAIL CORRIDOR
- Existing rail network
- CONCRETE BATCH PLANT
- TRACK LAYDOWN AREA
- CONSTRUCTION CAMP
- TURNING CIRCLE

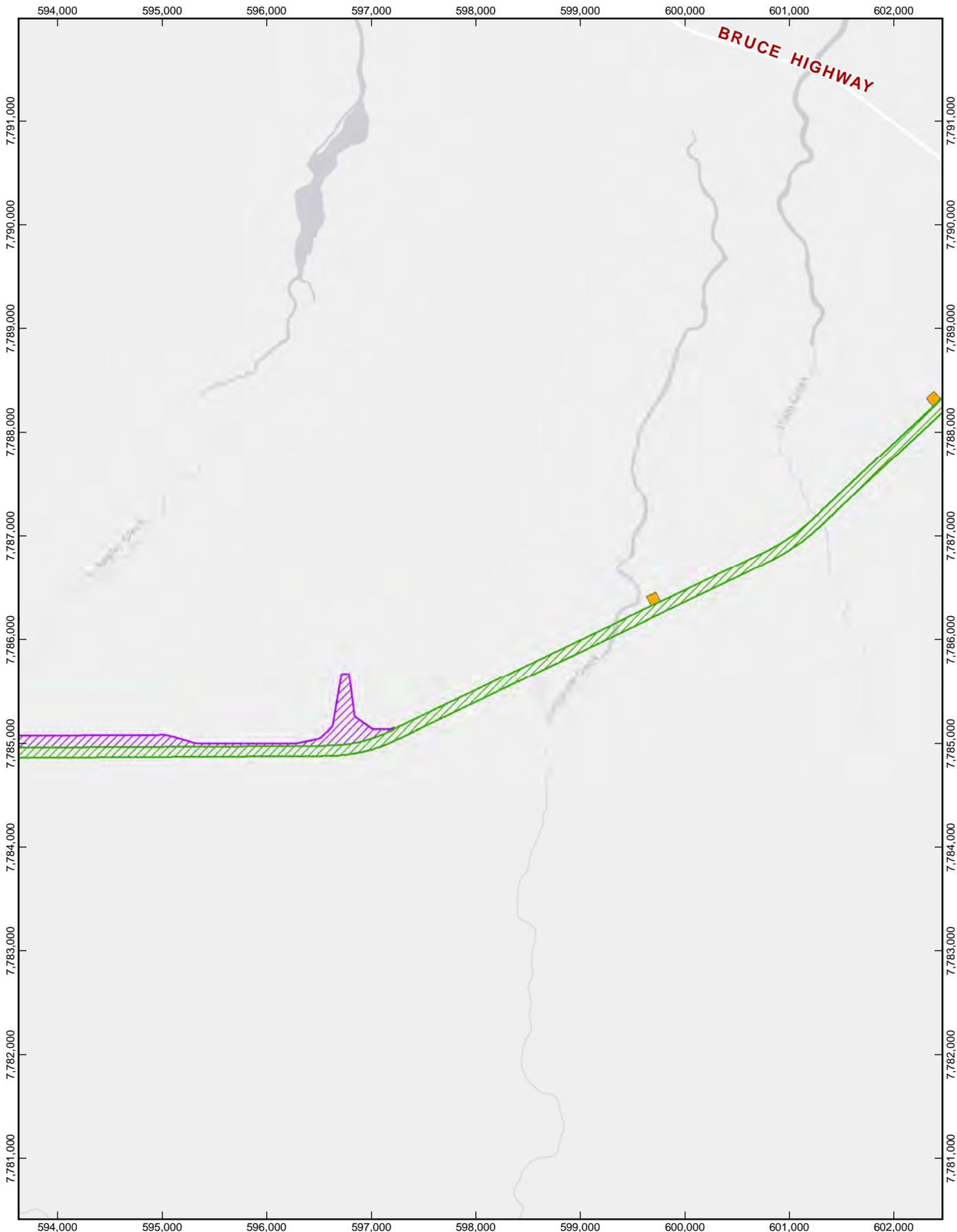
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 Key features of the
 North Galilee Basin Rail Project (NGBR)

Date: 04 August 2021
 Revision: 0
 Drawn: CMM
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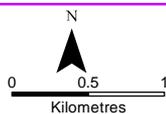
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LEGEND

-  RAIL CORRIDOR
-  RSM YARD
-  TURNING CIRCLE

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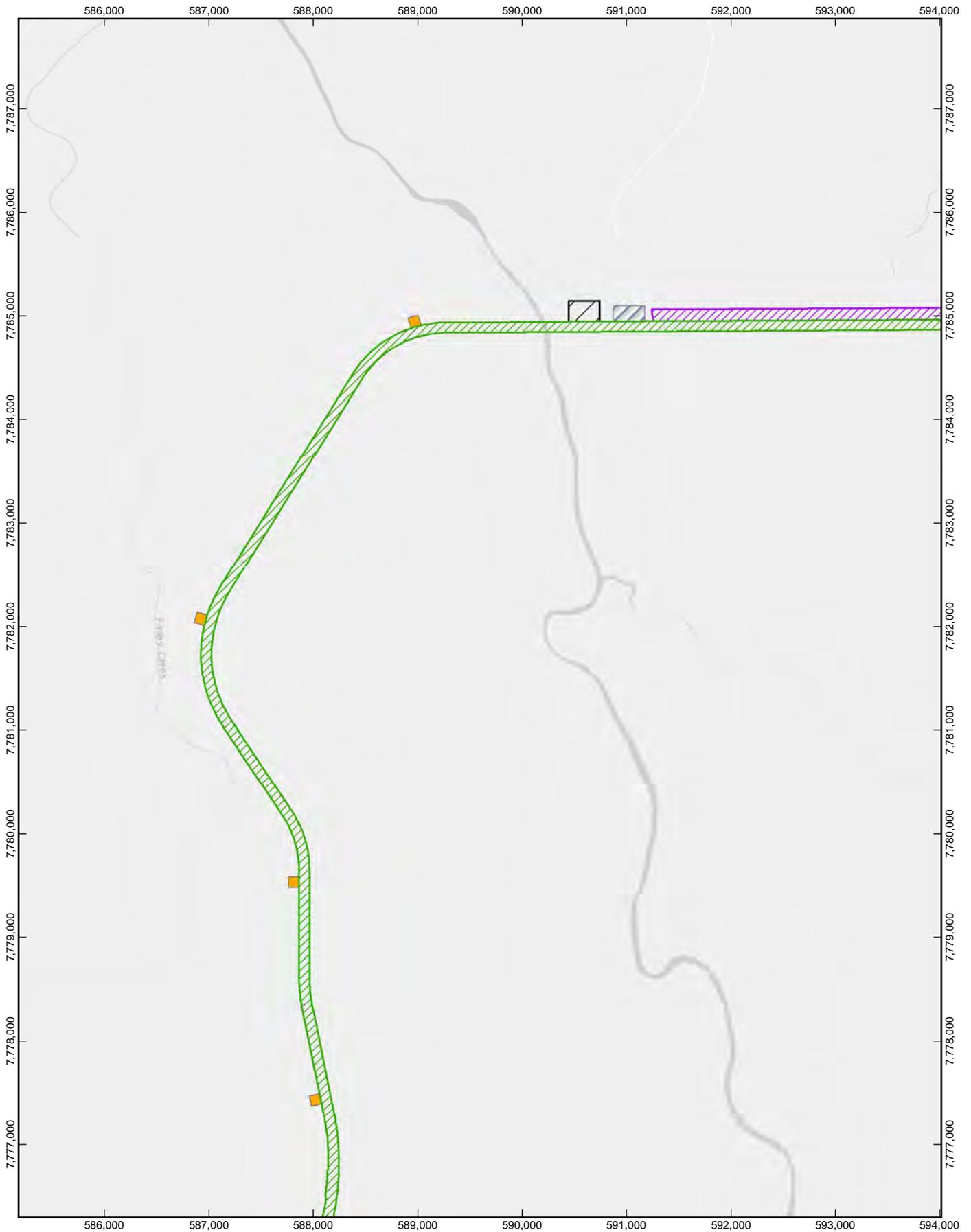


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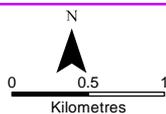
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LEGEND

- BRIDGE LAYDOWN AREA
- TRACK LAYDOWN AREA
- RAIL CORRIDOR
- TURNING CIRCLE
- RSM YARD

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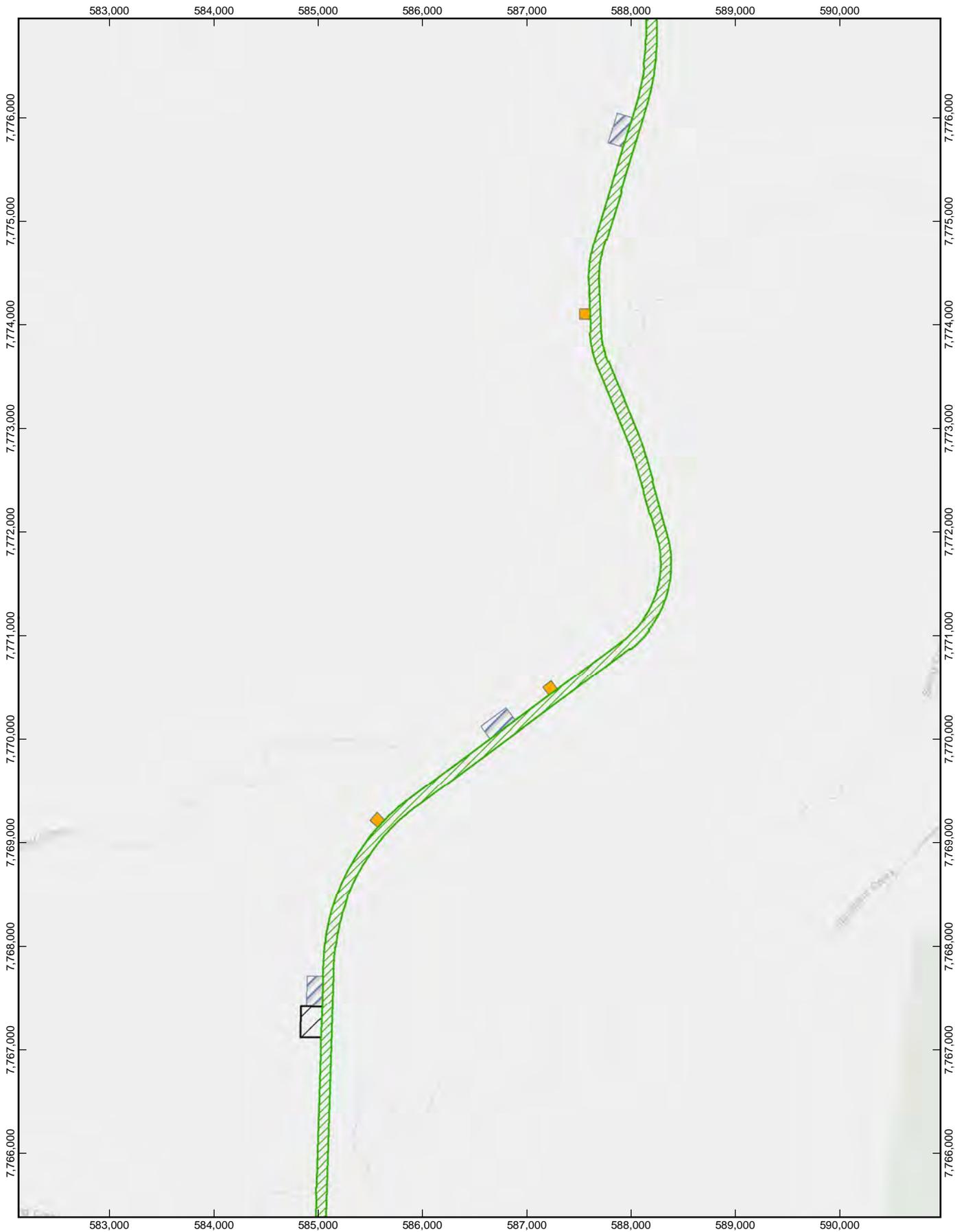


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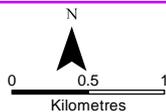
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LEGEND

-  BRIDGE LAYDOWN AREA
-  TURNING CIRCLE
-  RAIL CORRIDOR
-  TRACK LAYDOWN AREA

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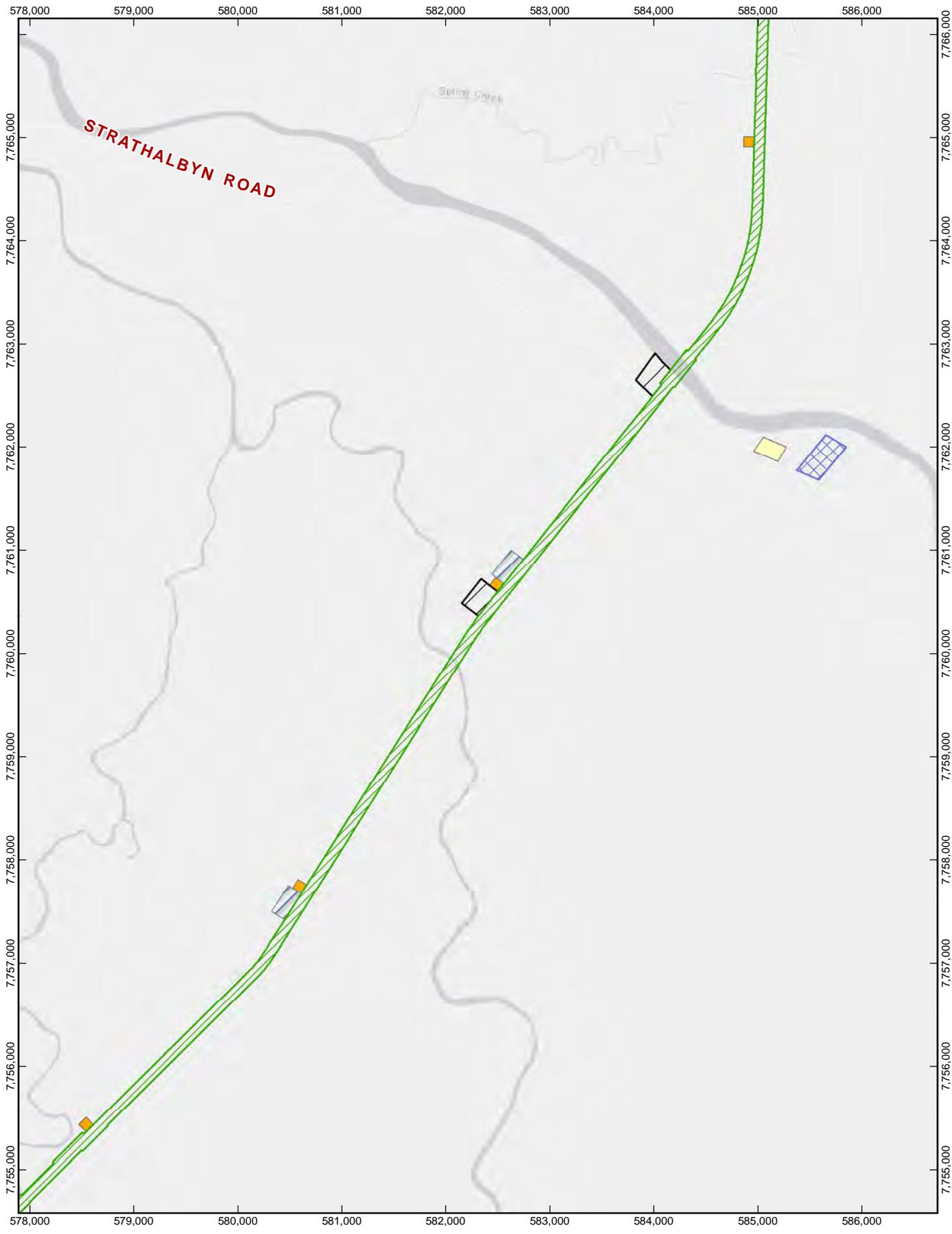


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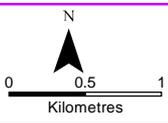
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LEGEND

- BRIDGE LAYDOWN AREA
- RAIL CORRIDOR
- CONCRETE BATCH PLANT
- TRACK LAYDOWN AREA
- CONSTRUCTION CAMP
- TURNING CIRCLE

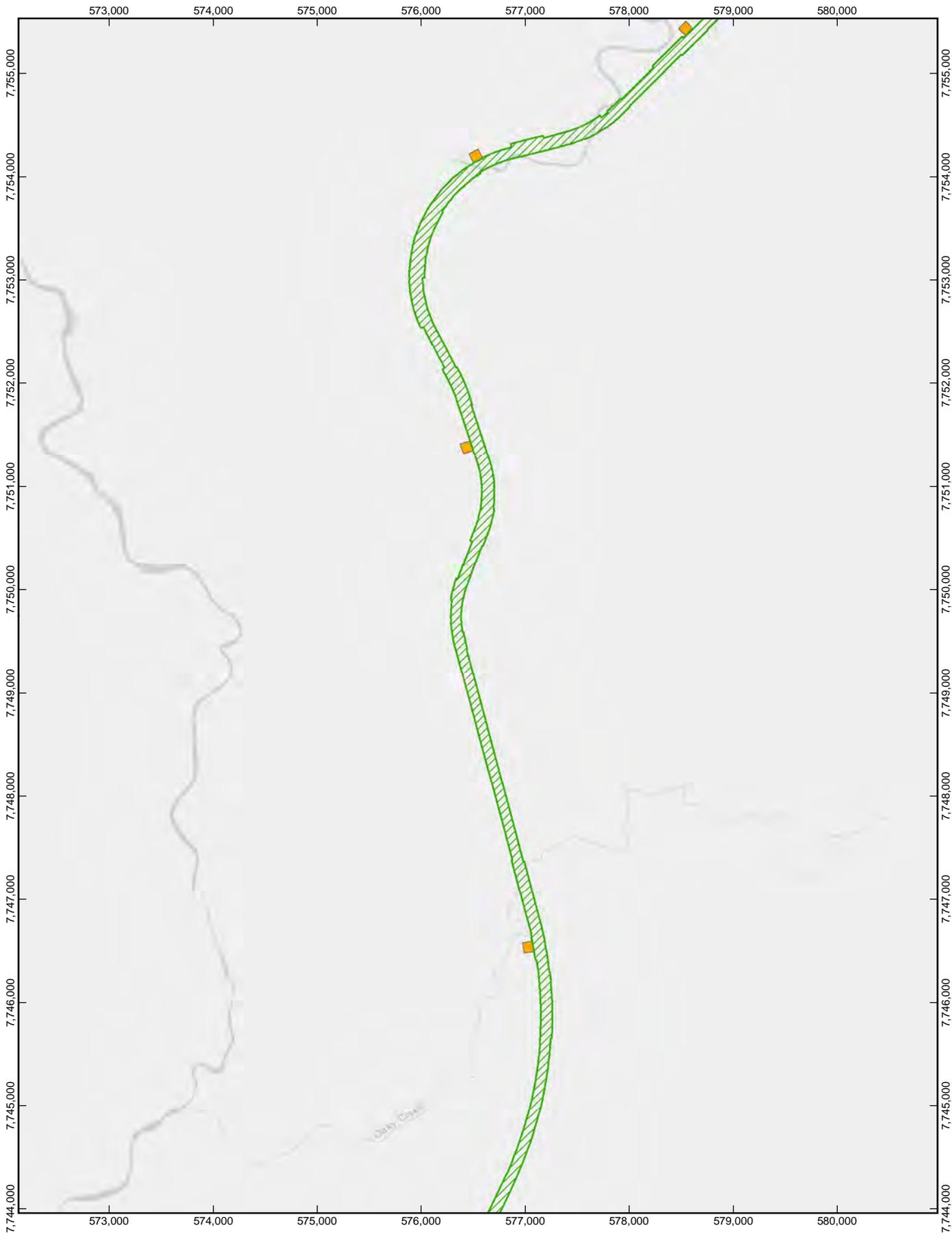
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 North Galilee Basin Rail Project (NGBR)

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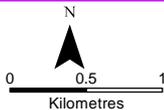
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LEGEND

-  RAIL CORRIDOR
-  TURNING CIRCLE

Paper Size: A4
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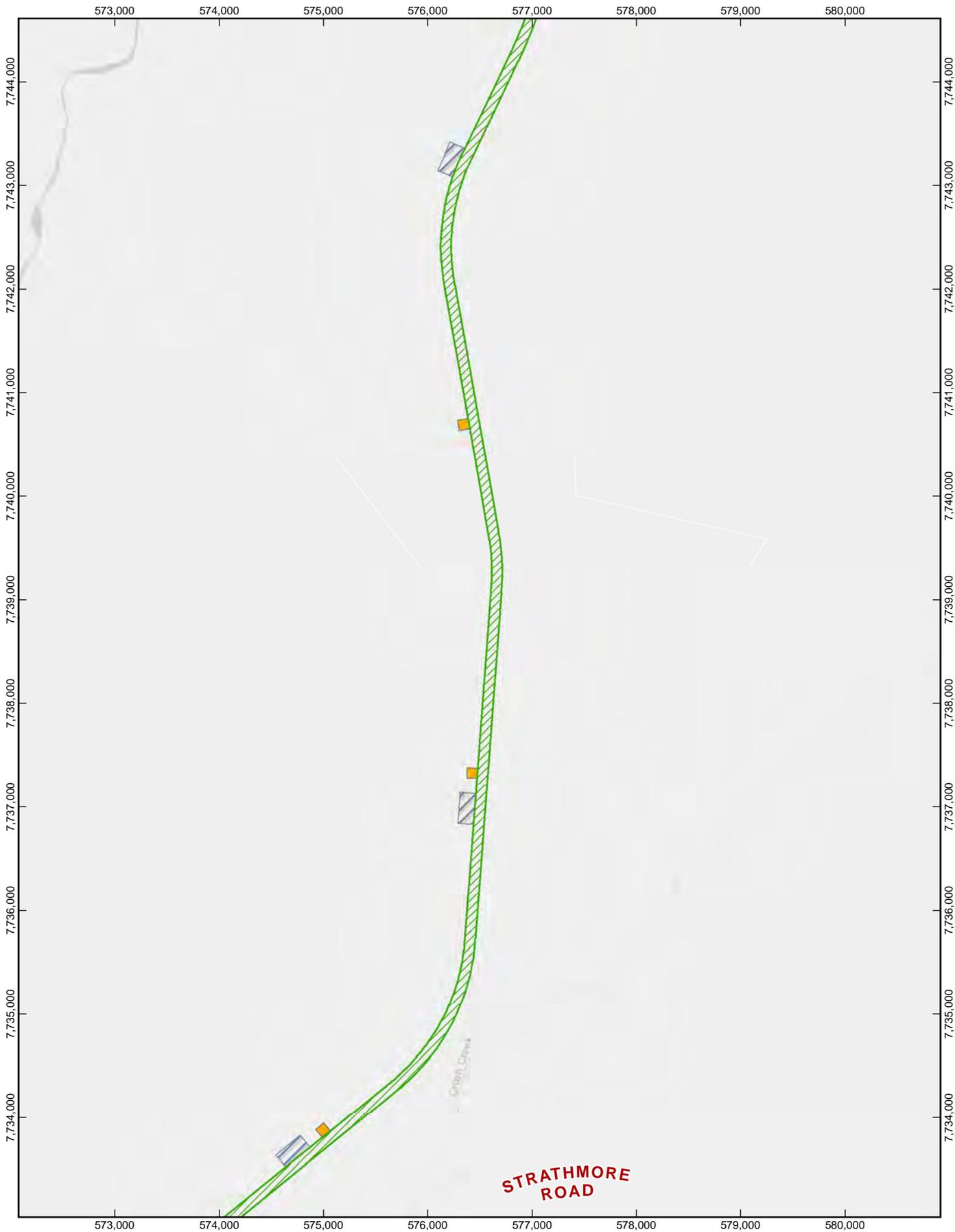


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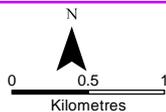
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LEGEND

- RAIL CORRIDOR
- TRACK LAYDOWN AREA
- TURNING CIRCLE

Paper Size: A4
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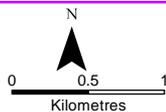
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LEGEND

-  BRIDGE LAYDOWN AREA
-  TURNING CIRCLE
-  RAIL CORRIDOR
-  TRACK LAYDOWN AREA

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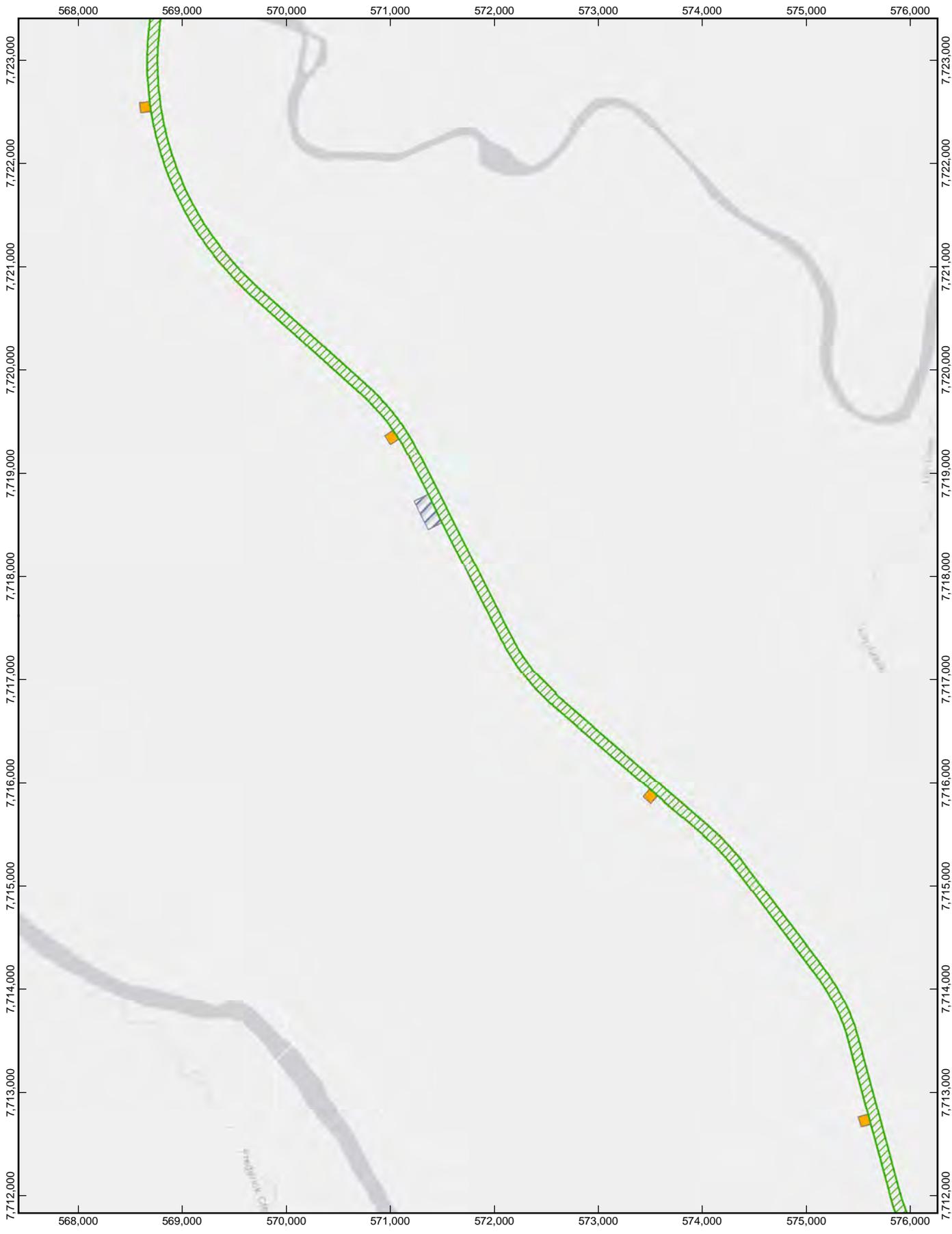


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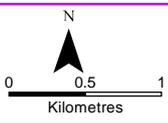
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- LEGEND**
-  RAIL CORRIDOR
 -  TRACK LAYDOWN AREA
 -  TURNING CIRCLE

Paper Size: A4
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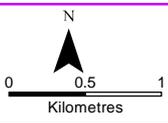
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LEGEND

- BRIDGE LAYDOWN AREA
- RAIL CORRIDOR
- CONCRETE BATCH PLANT
- TRACK LAYDOWN AREA
- CONSTRUCTION CAMP
- TURNING CIRCLE

Paper Size: A4
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Carmichael Rail Network
 Key features of the
 North Galilee Basin Rail Project (NGBR)

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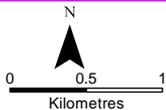
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LEGEND

- BRIDGE LAYDOWN AREA
- TURNING CIRCLE
- RAIL CORRIDOR
- Existing rail network
- TRACK LAYDOWN AREA

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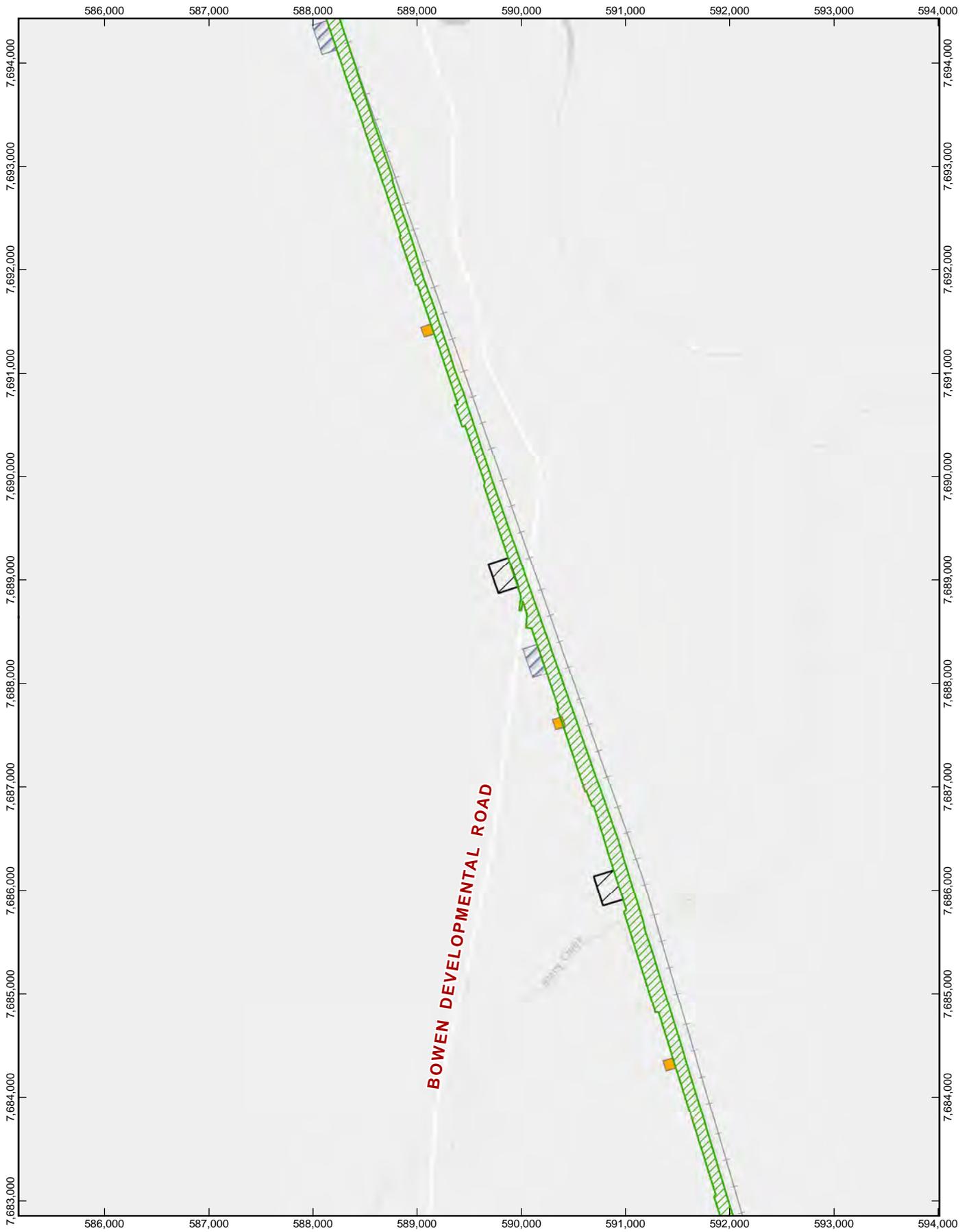


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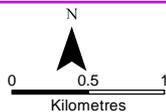
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LEGEND

- BRIDGE LAYDOWN AREA
- TURNING CIRCLE
- RAIL CORRIDOR
- Existing rail network
- TRACK LAYDOWN AREA

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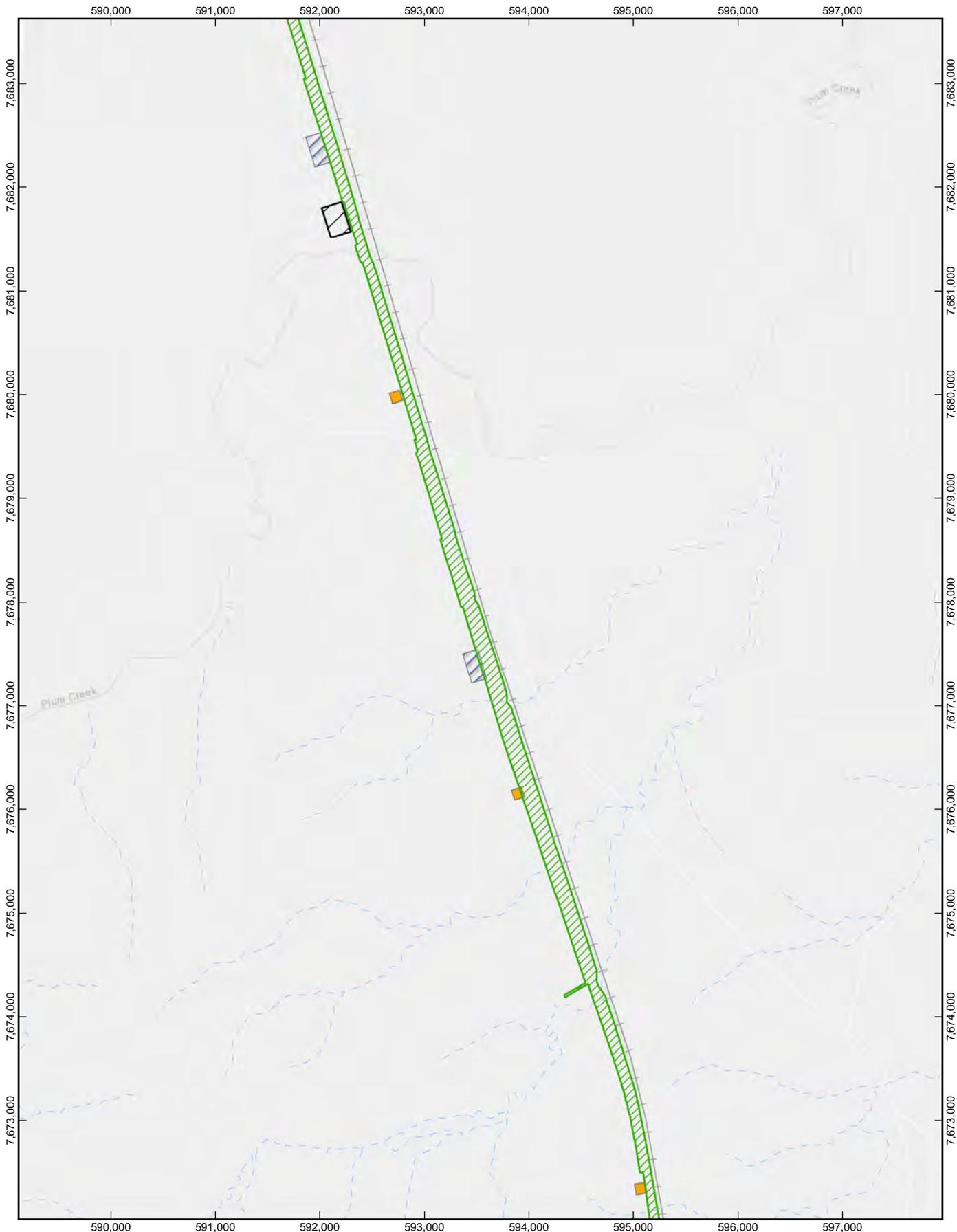


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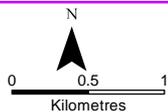
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LEGEND

- BRIDGE LAYDOWN AREA
- RAIL CORRIDOR
- TRACK LAYDOWN AREA
- TURNING CIRCLE
- Existing rail network

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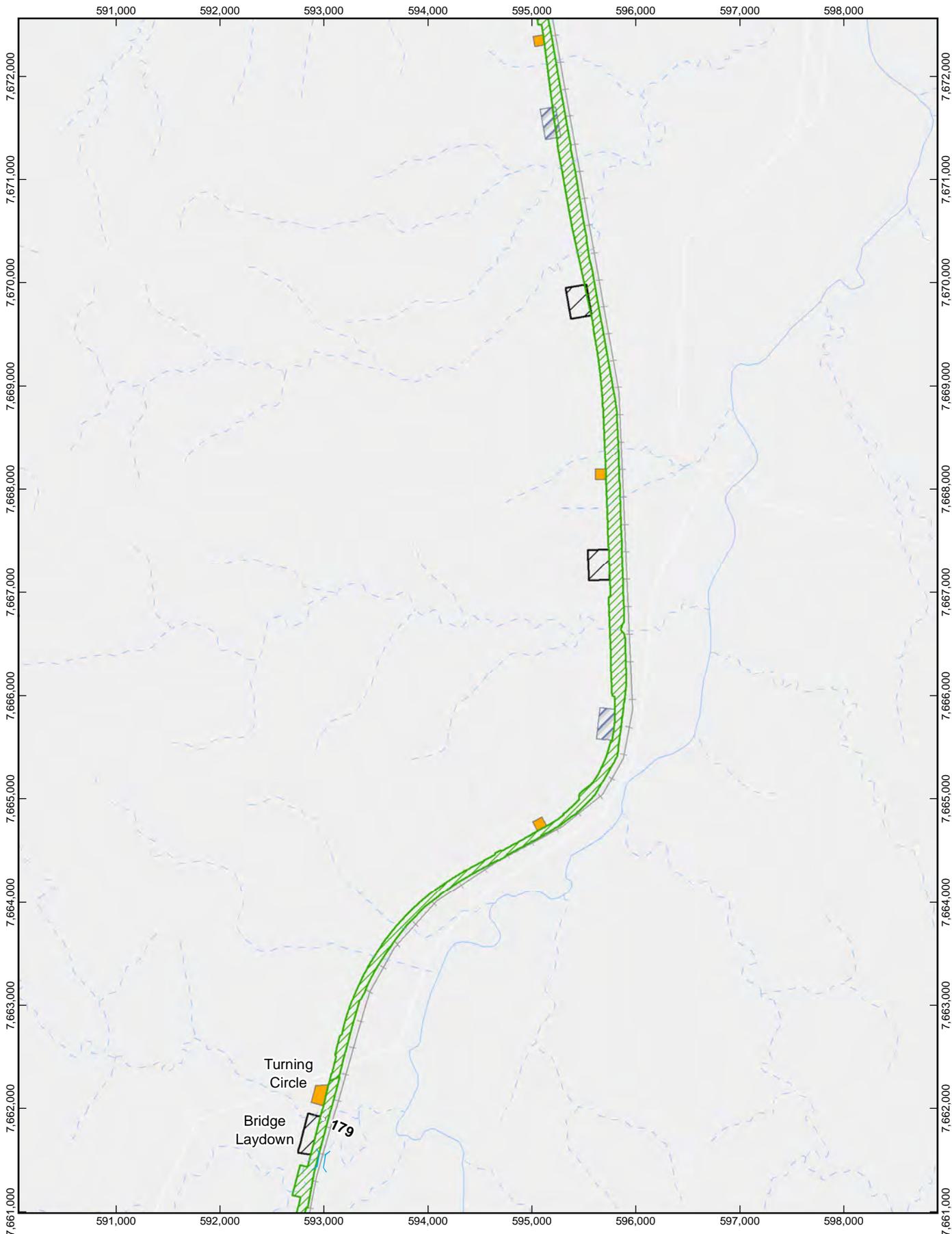


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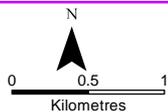
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LEGEND

- BRIDGE LAYDOWN AREA
- TURNING CIRCLE
- RAIL CORRIDOR
- Rail bridge
- TRACK LAYDOWN AREA
- Existing rail network

Paper Size: A4
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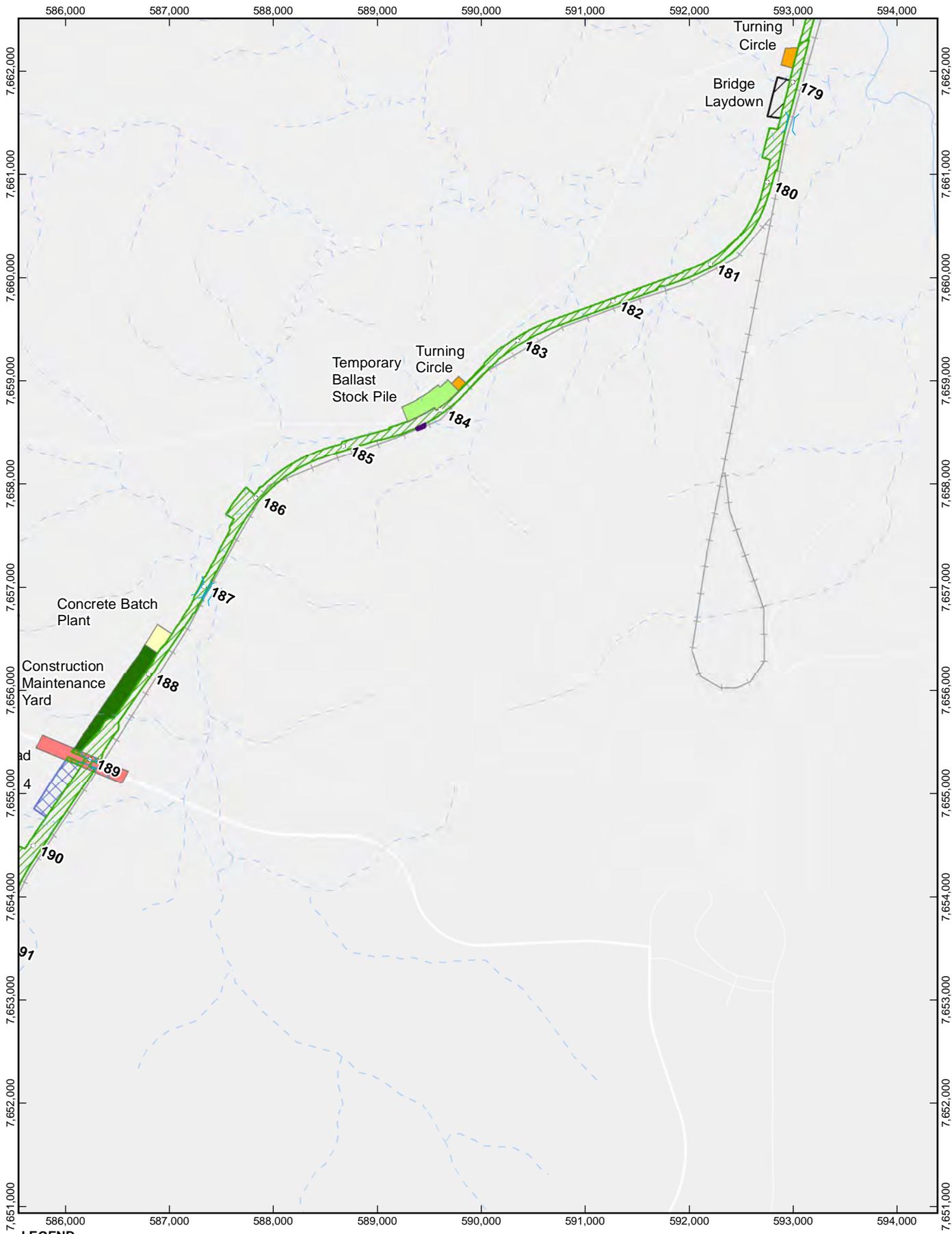


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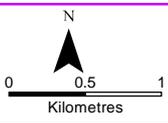
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LEGEND

- | | | | |
|-------------------------|----------------------|---|----------------|
| ACCESS TRACK | CONSTRUCTION CAMP-04 | OCCUPATIONAL CROSSING/CATTLE HOLDING YARD | TURNING CIRCLE |
| BRIDGE LAYDOWN AREA | CONSTRUCTION YARD | RAIL CORRIDOR | Rail bridge |
| CONCRETE BATCH PLANT | LAYDOWN AREA | Existing rail network | |
| TRAFFIC MANAGEMENT AREA | | | |

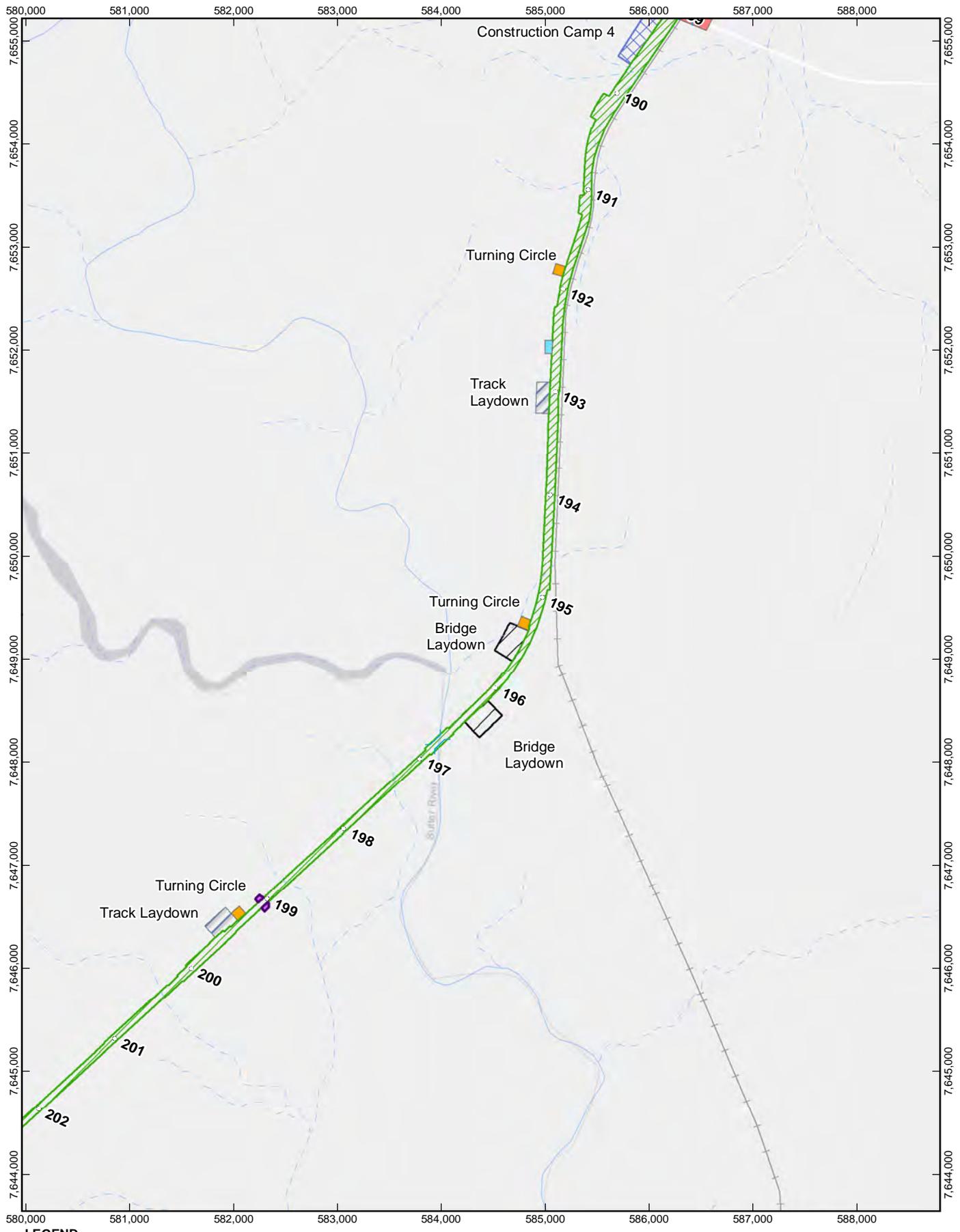
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Carmichael Rail Network
 Key features of the
 North Galilee Basin Rail Project (NGBR)

Date: 04 August 2021
 Revision: 0
 Drawn: CMM
 Reviewed: AP
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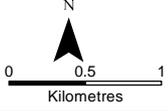
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LEGEND

- BRIDGE LAYDOWN AREA
- CONSTRUCTION CAMP-04
- DRAINAGE CONTROL AREA
- OCCUPATIONAL CROSSING/CATTLE HOLDING YARD
- RAIL CORRIDOR
- TRACK LAYDOWN AREA
- TRAFFIC MANAGEMENT AREA
- TURNING CIRCLE
- Rail bridge

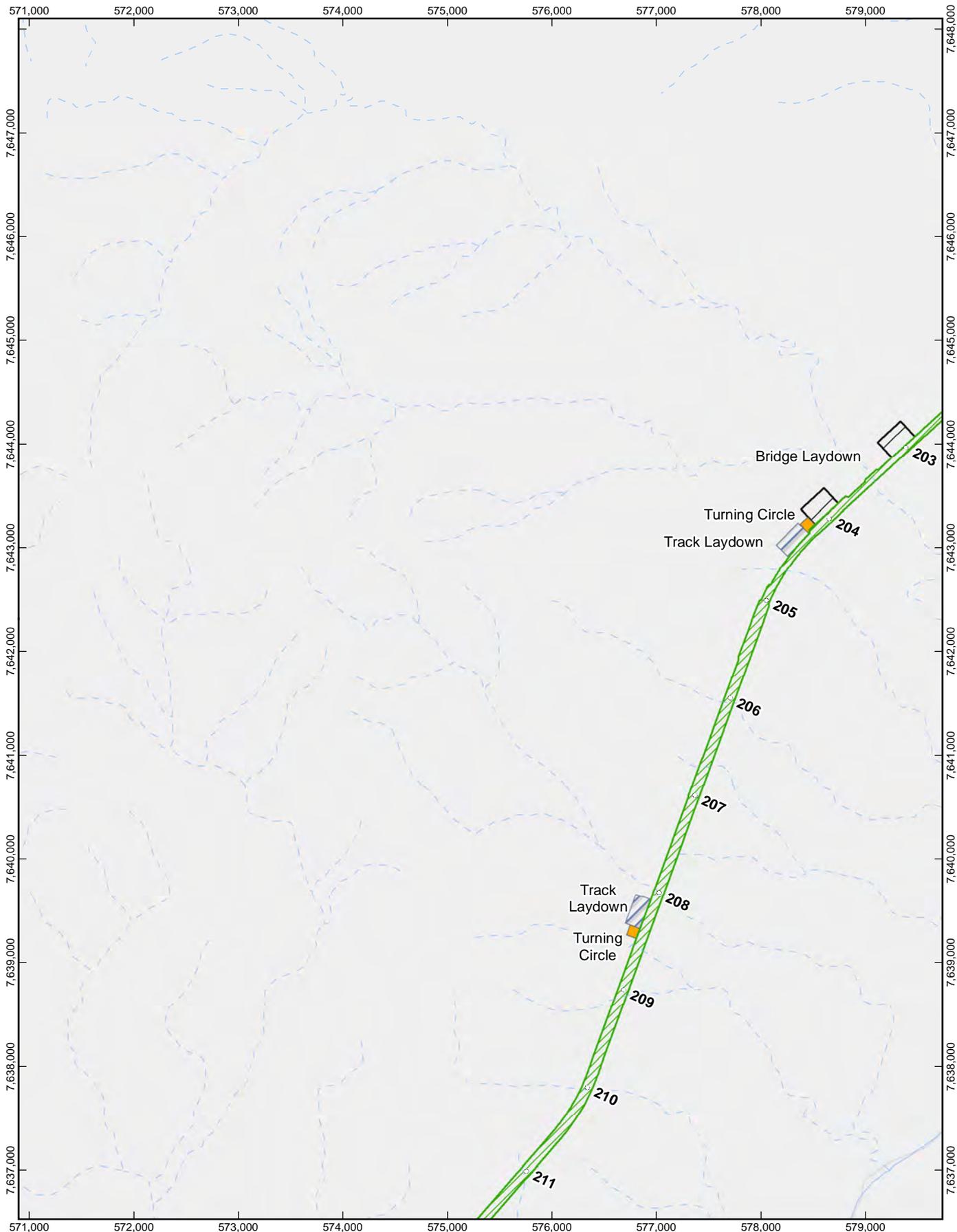
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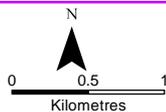
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LEGEND

- BRIDGE LAYDOWN AREA TURNING CIRCLE
- RAIL CORRIDOR
- TRACK LAYDOWN AREA

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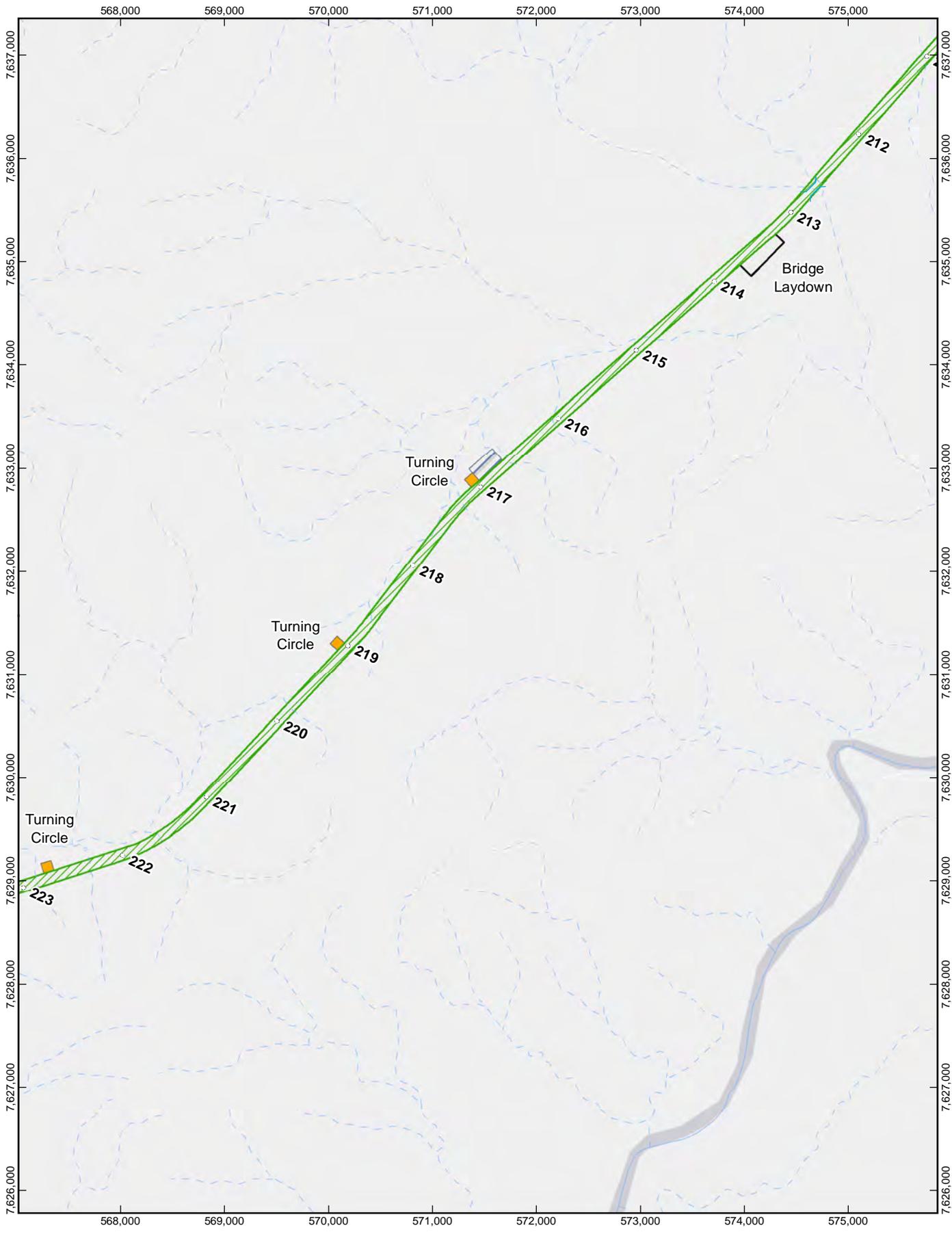


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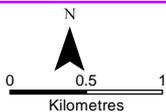
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LEGEND

-  BRIDGE LAYDOWN AREA
-  TURNING CIRCLE
-  RAIL CORRIDOR
-  Rail bridge
-  TRACK LAYDOWN AREA

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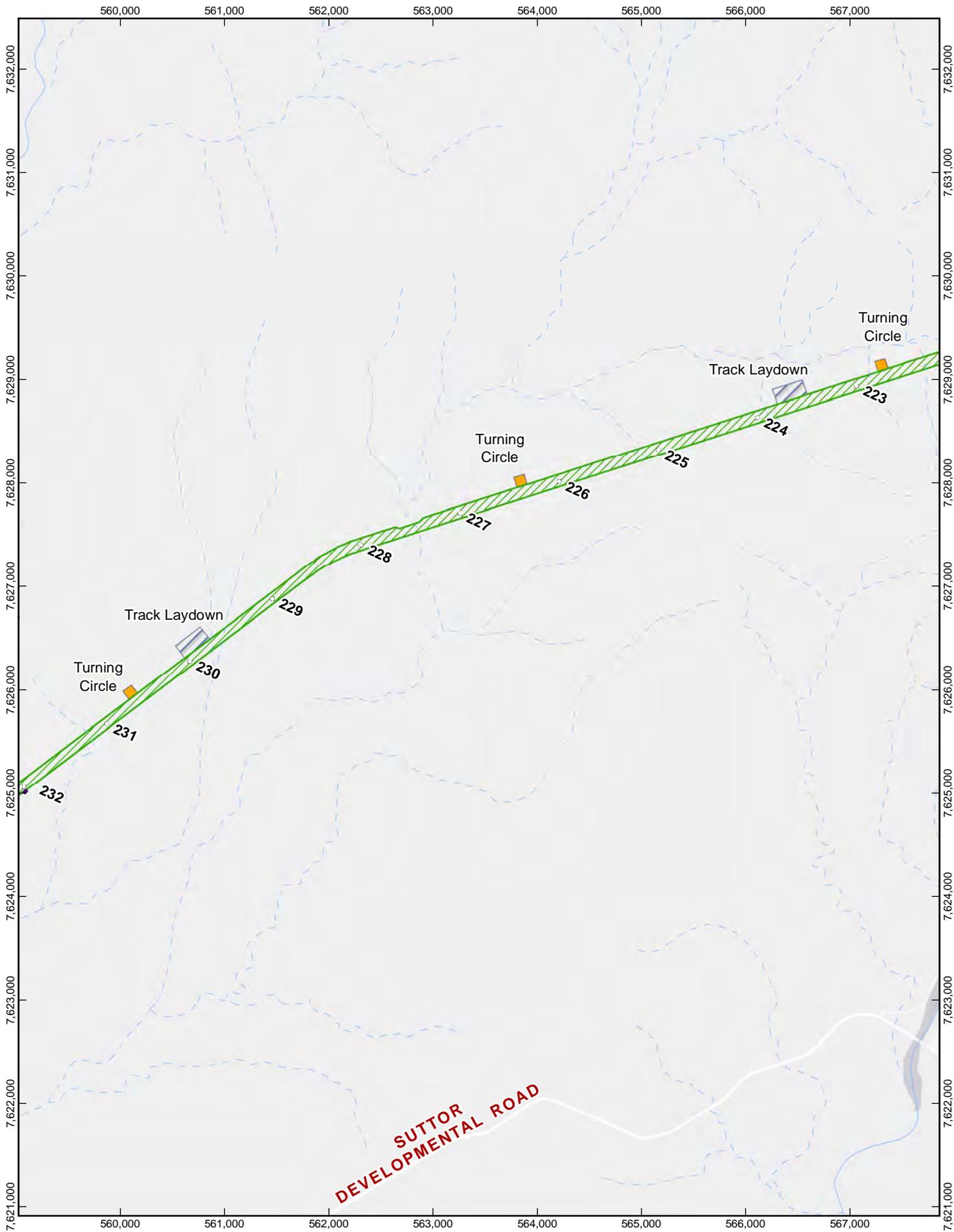


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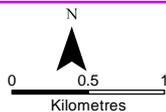
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LEGEND

- OCCUPATIONAL CROSSING/CATTLE HOLDING YARD
- TURNING CIRCLE
- RAIL CORRIDOR
- TRACK LAYDOWN AREA

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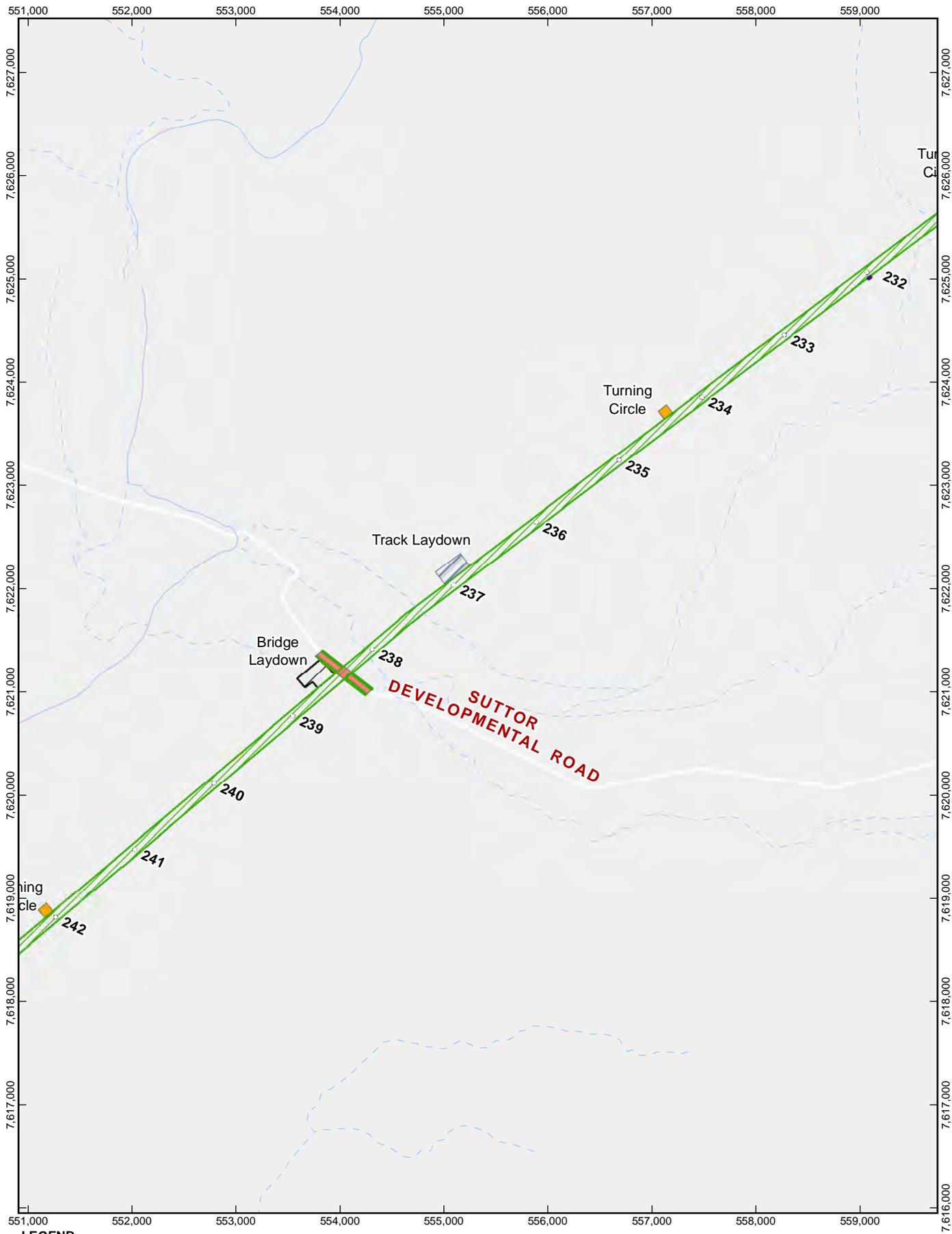


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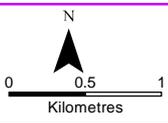
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LEGEND

- BRIDGE LAYDOWN AREA
- TRACK LAYDOWN AREA
- OCCUPATIONAL CROSSING/CATTLE HOLDING YARD
- TRAFFIC MANAGEMENT AREA
- TURNING CIRCLE
- RAIL CORRIDOR

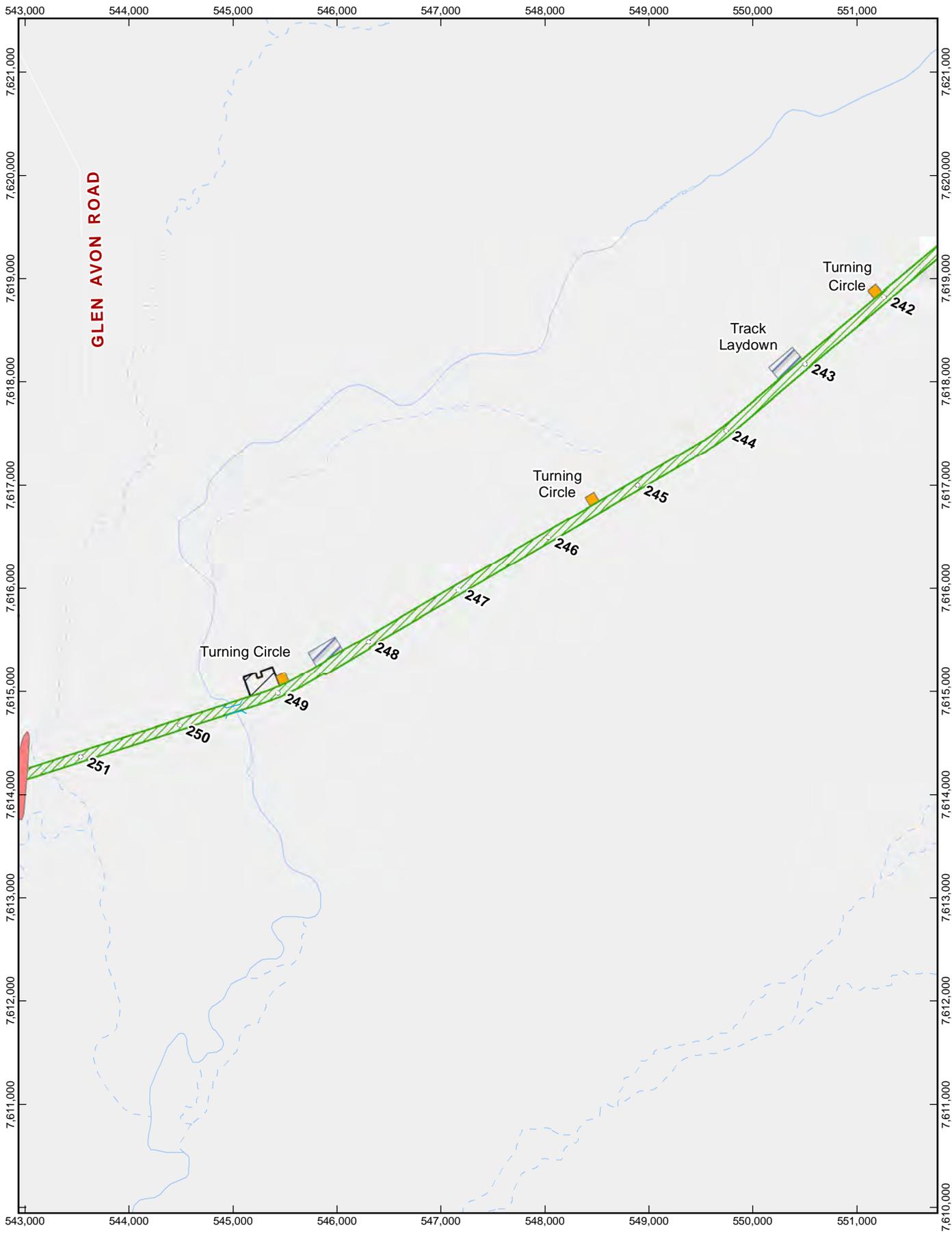
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 North Galilee Basin Rail Project (NGBR)

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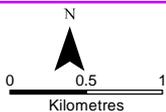
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LEGEND

- BRIDGE LAYDOWN AREA
- TRACK LAYDOWN AREA
- Rail bridge
- RAIL CORRIDOR
- TRAFFIC MANAGEMENT AREA
- TURNING CIRCLE
- ROAD DIVERSION

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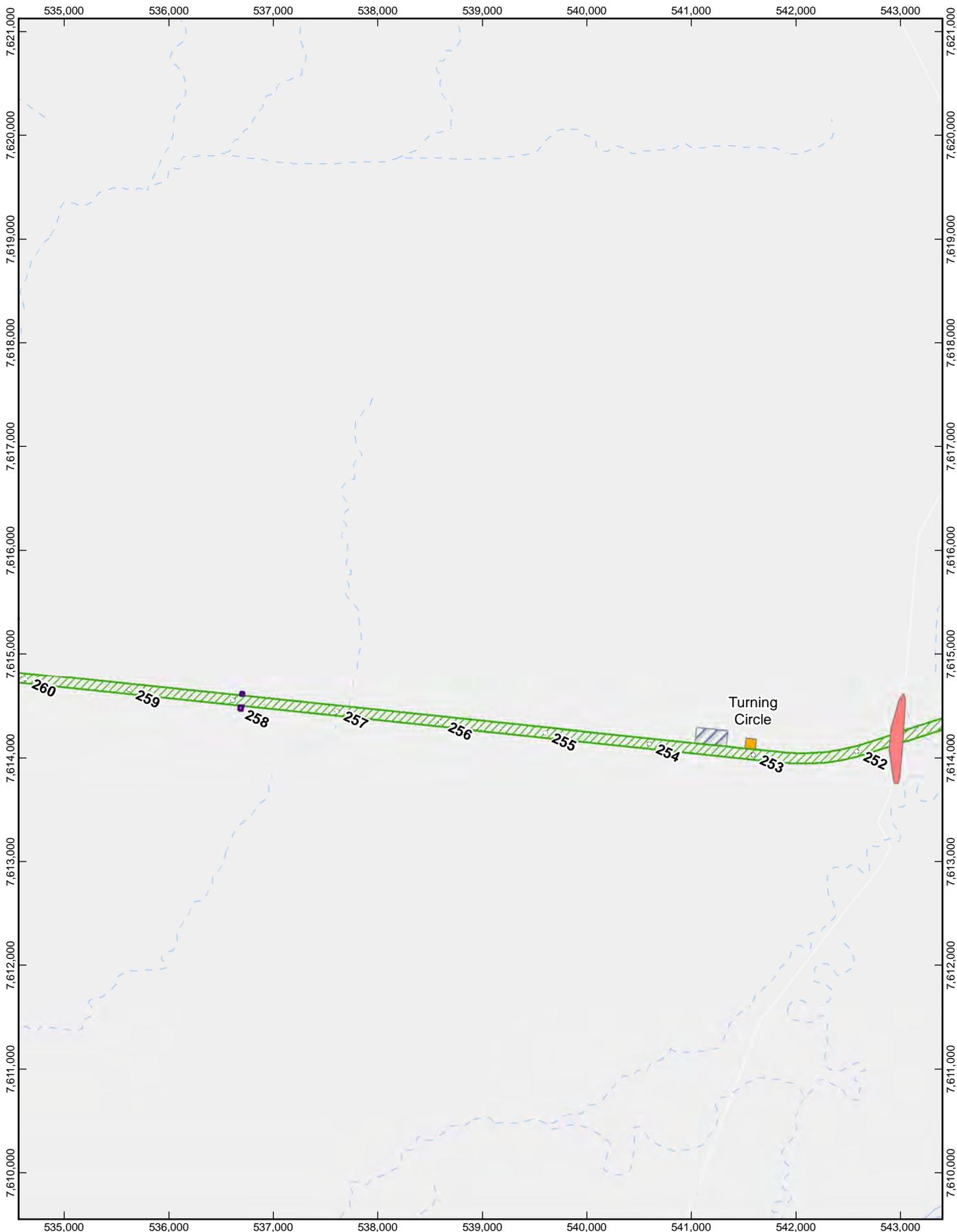


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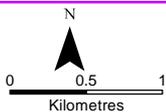
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LEGEND

- OCCUPATIONAL CROSSING/CATTLE HOLDING YARD
- RAIL CORRIDOR
- ROAD DIVERSION
- TRACK LAYDOWN AREA
- TRAFFIC MANAGEMENT AREA
- TURNING CIRCLE

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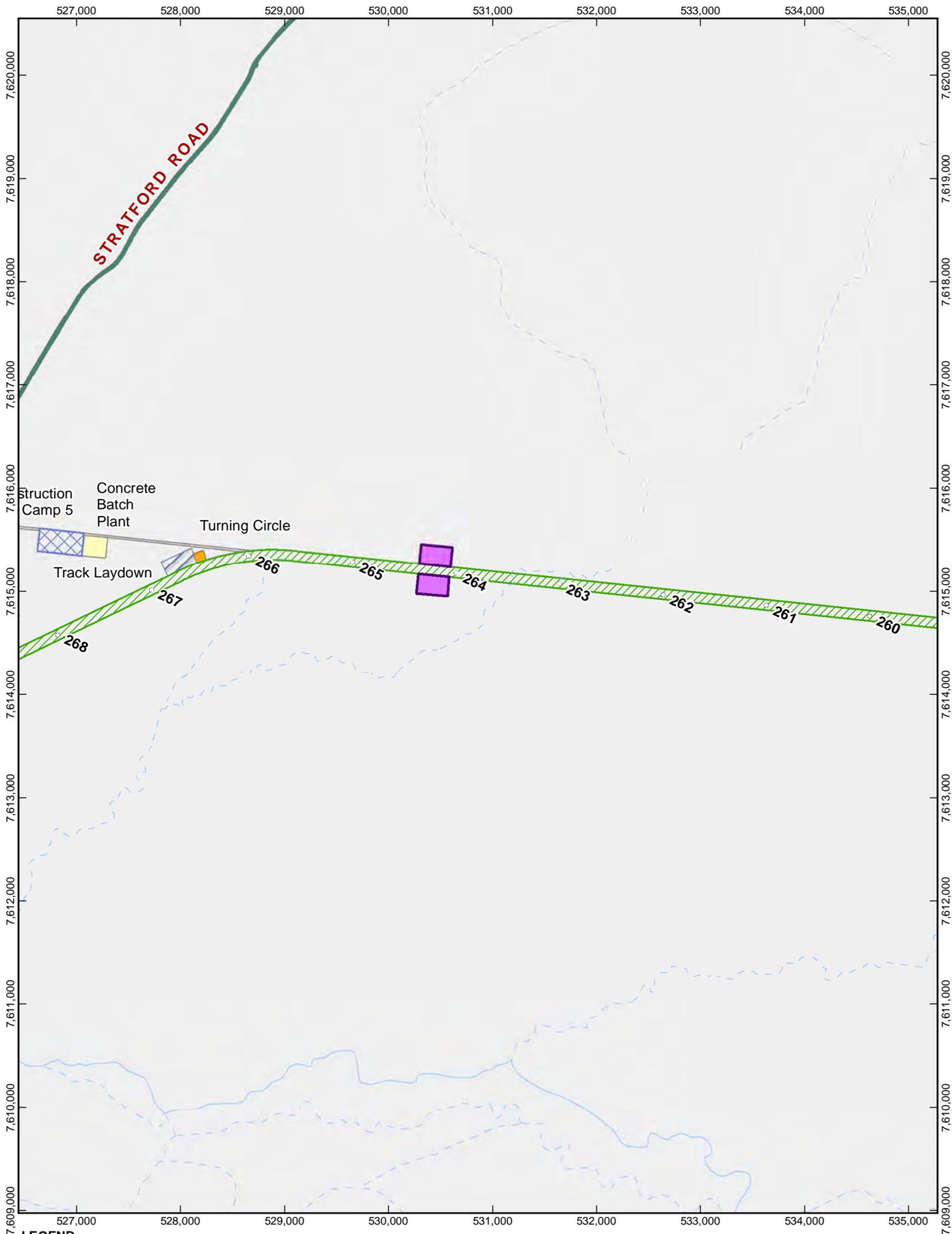


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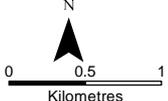
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LEGEND

- CONCRETE BATCH PLANT
- CONSTRUCTION CAMP-05
- OCCUPATIONAL CROSSING/CATTLE HOLDING YARD
- RAIL CORRIDOR
- ROAD UPGRADE AREA
- TEMPORARY ACCESS TRACK
- TRACK LAYDOWN AREA
- TURNING CIRCLE

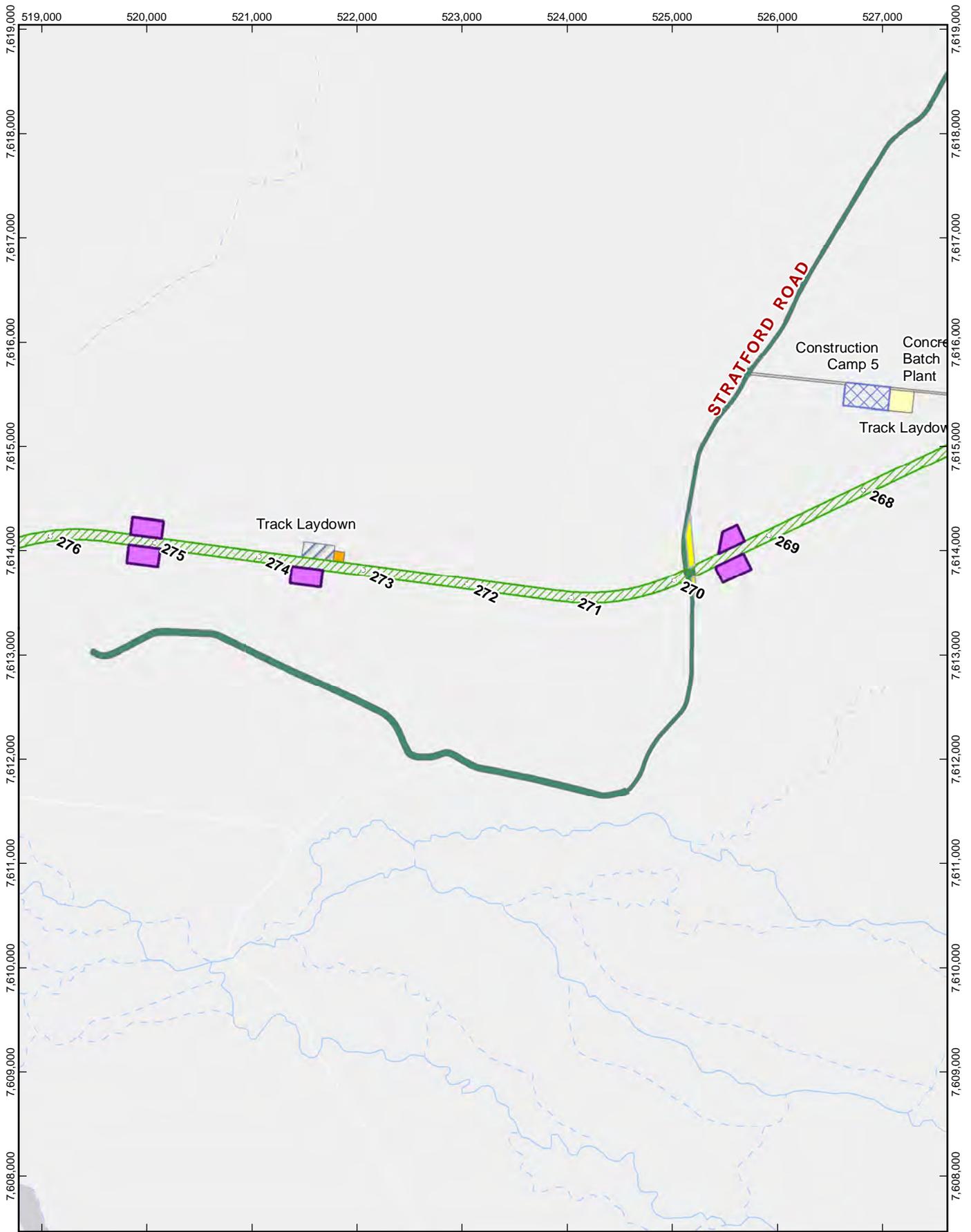
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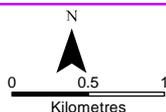
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LEGEND

- | | | |
|-------------------------|---|------------------------|
| CONCRETE BATCH PLANT | OCCUPATIONAL CROSSING/CATTLE HOLDING YARD | TEMPORARY ACCESS TRACK |
| CONSTRUCTION CAMP-05 | RAIL CORRIDOR | TRACK LAYDOWN AREA |
| EXISTING ROAD ALIGNMENT | ROAD UPGRADE AREA | TURNING CIRCLE |

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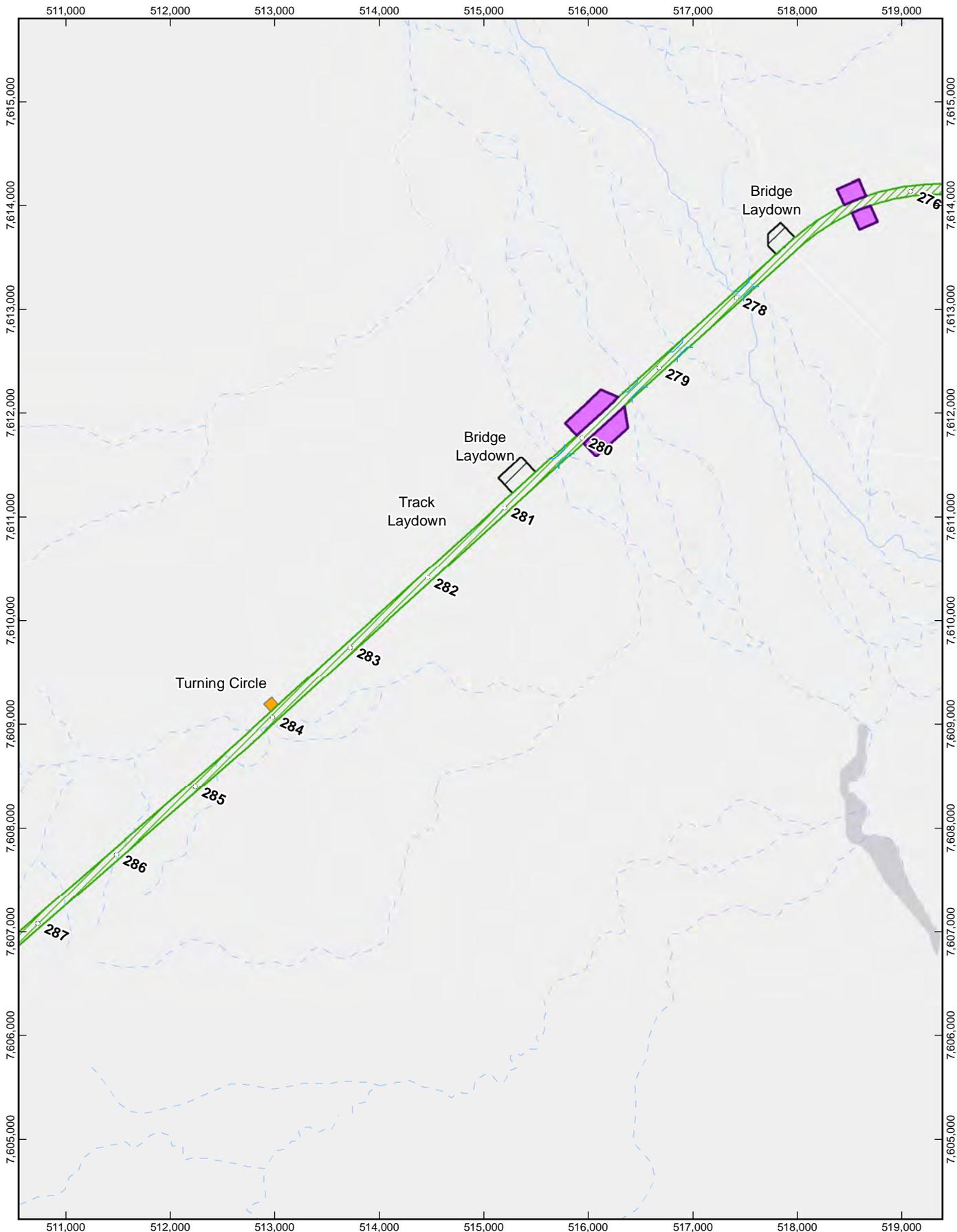


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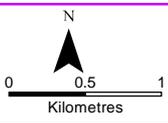
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LEGEND

- BRIDGE LAYDOWN AREA
- TURNING CIRCLE
- OCCUPATIONAL CROSSING/CATTLE HOLDING YARD
- Rail bridge
- RAIL CORRIDOR

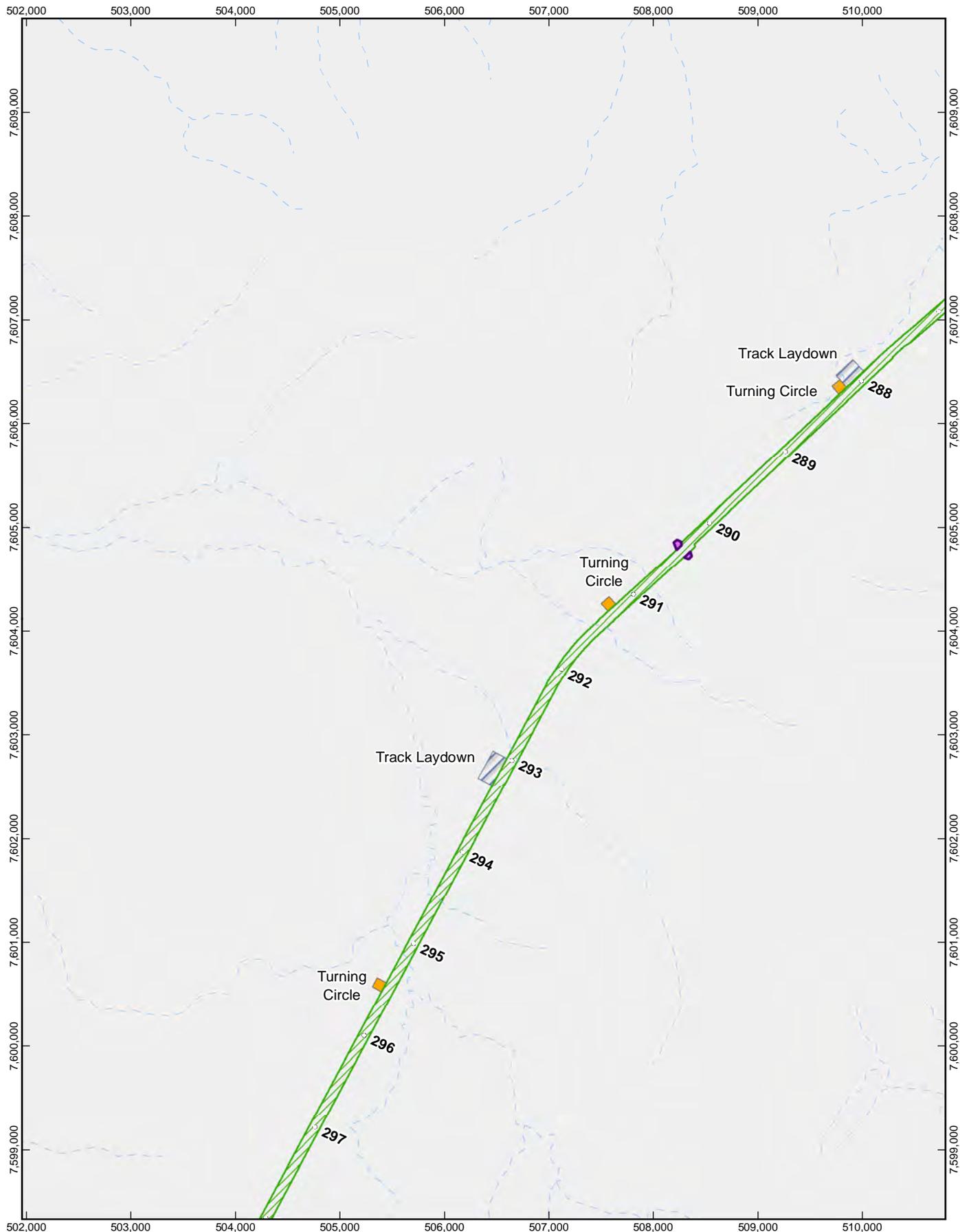
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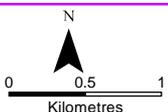
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LEGEND

- OCCUPATIONAL CROSSING/CATTLE HOLDING YARD
- TURNING CIRCLE
- RAIL CORRIDOR
- TRACK LAYDOWN AREA

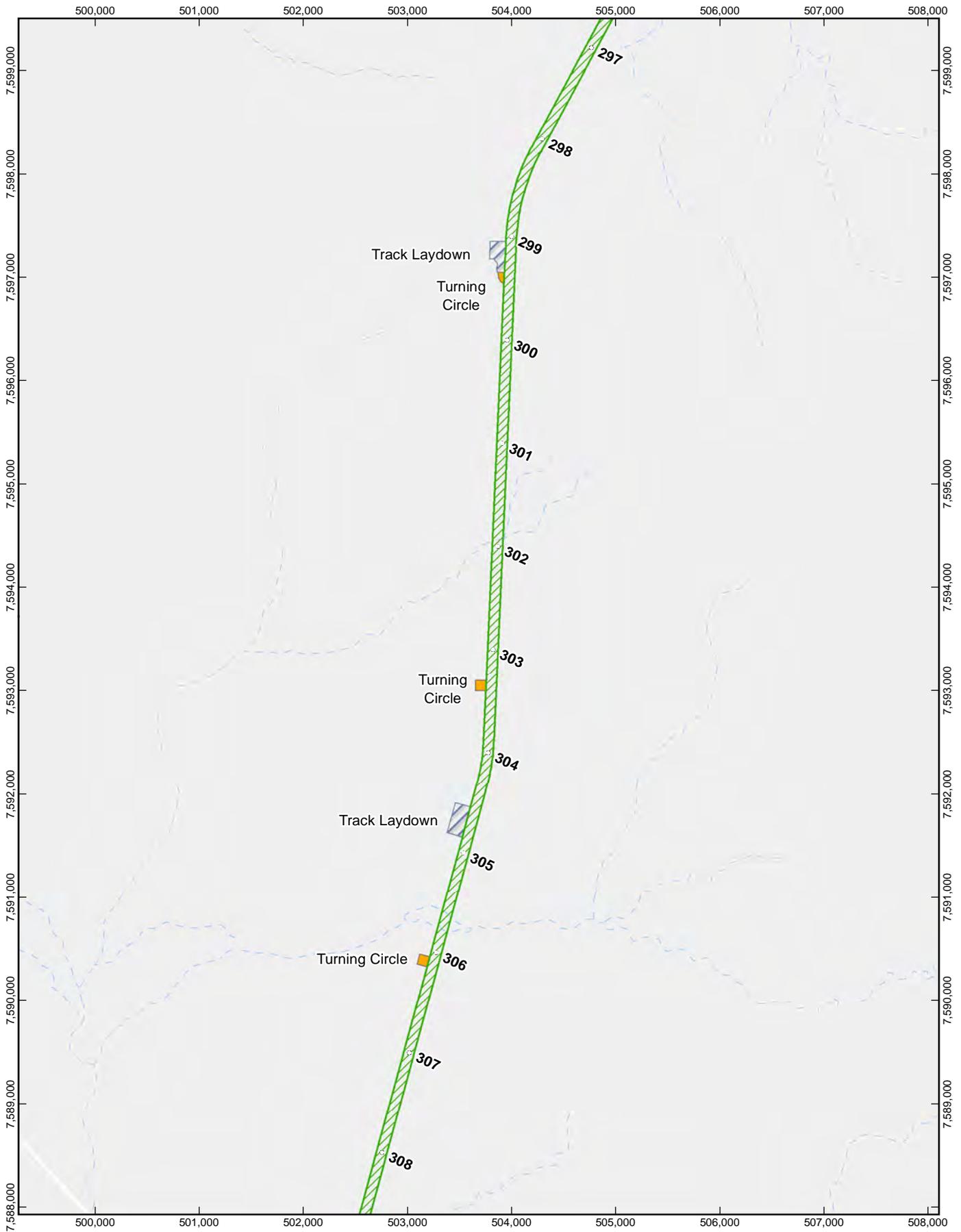
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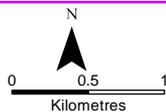
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LEGEND

-  RAIL CORRIDOR
-  TRACK LAYDOWN AREA
-  TURNING CIRCLE

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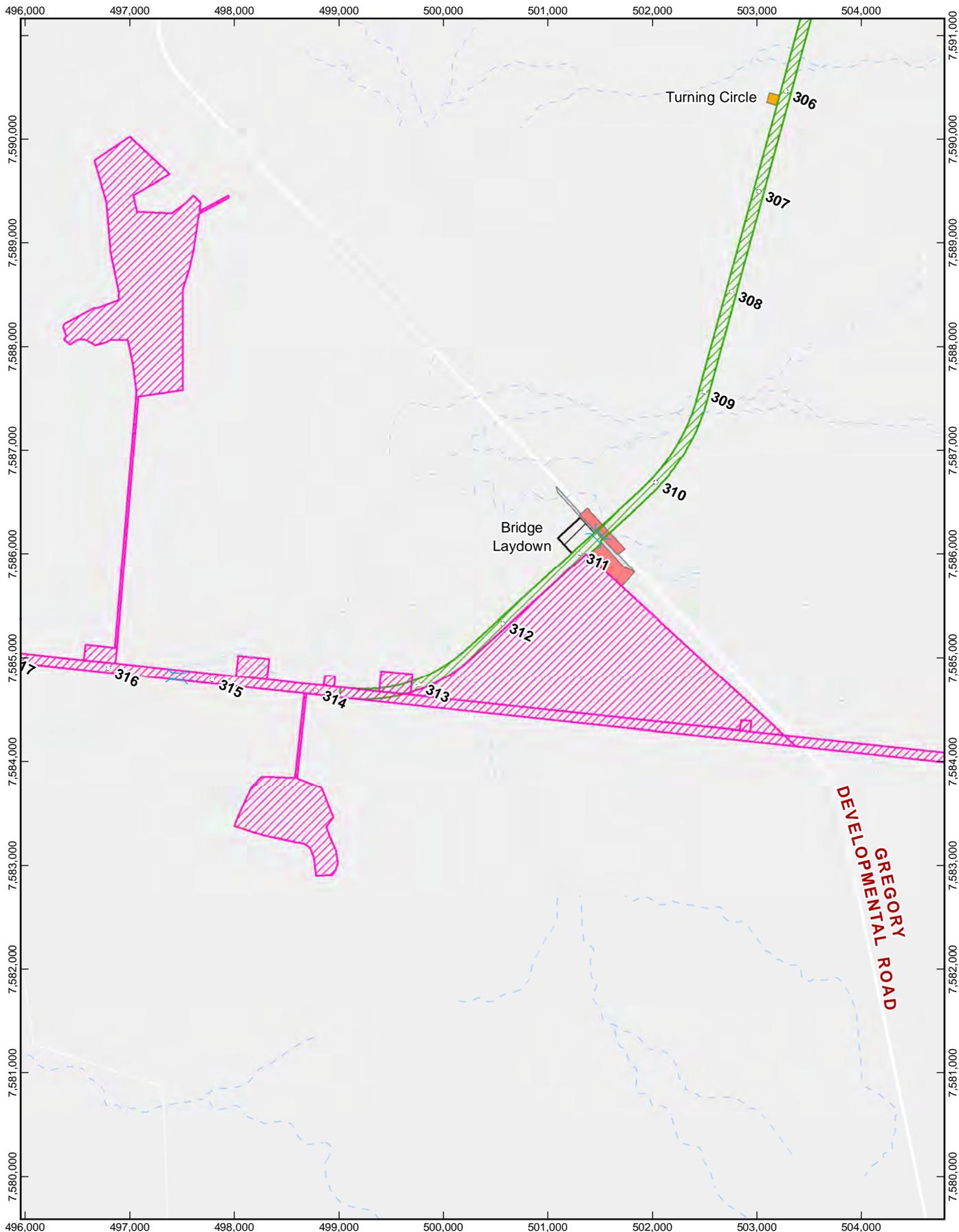


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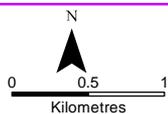
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LEGEND

- BRIDGE LAYDOWN AREA
- RAIL CORRIDOR
- TEMPORARY ACCESS TRACK
- TRAFFIC MANAGEMENT AREA
- TURNING CIRCLE
- EPBC CCMR Approval Boundary
- Rail bridge

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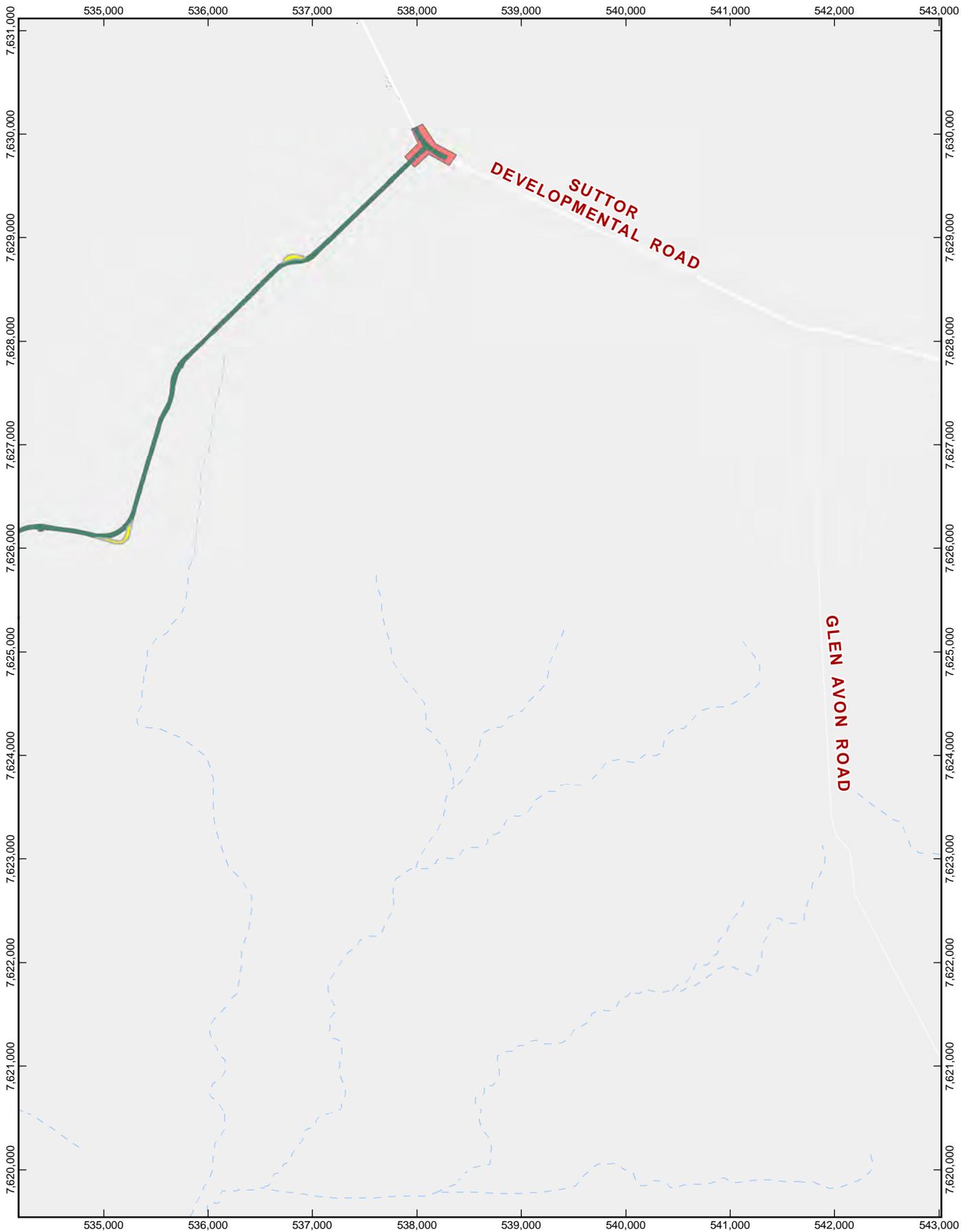


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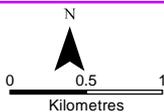
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LEGEND

- EXISTING ROAD ALIGNMENT
- ROAD UPGRADE AREA
- TRAFFIC MANAGEMENT AREA

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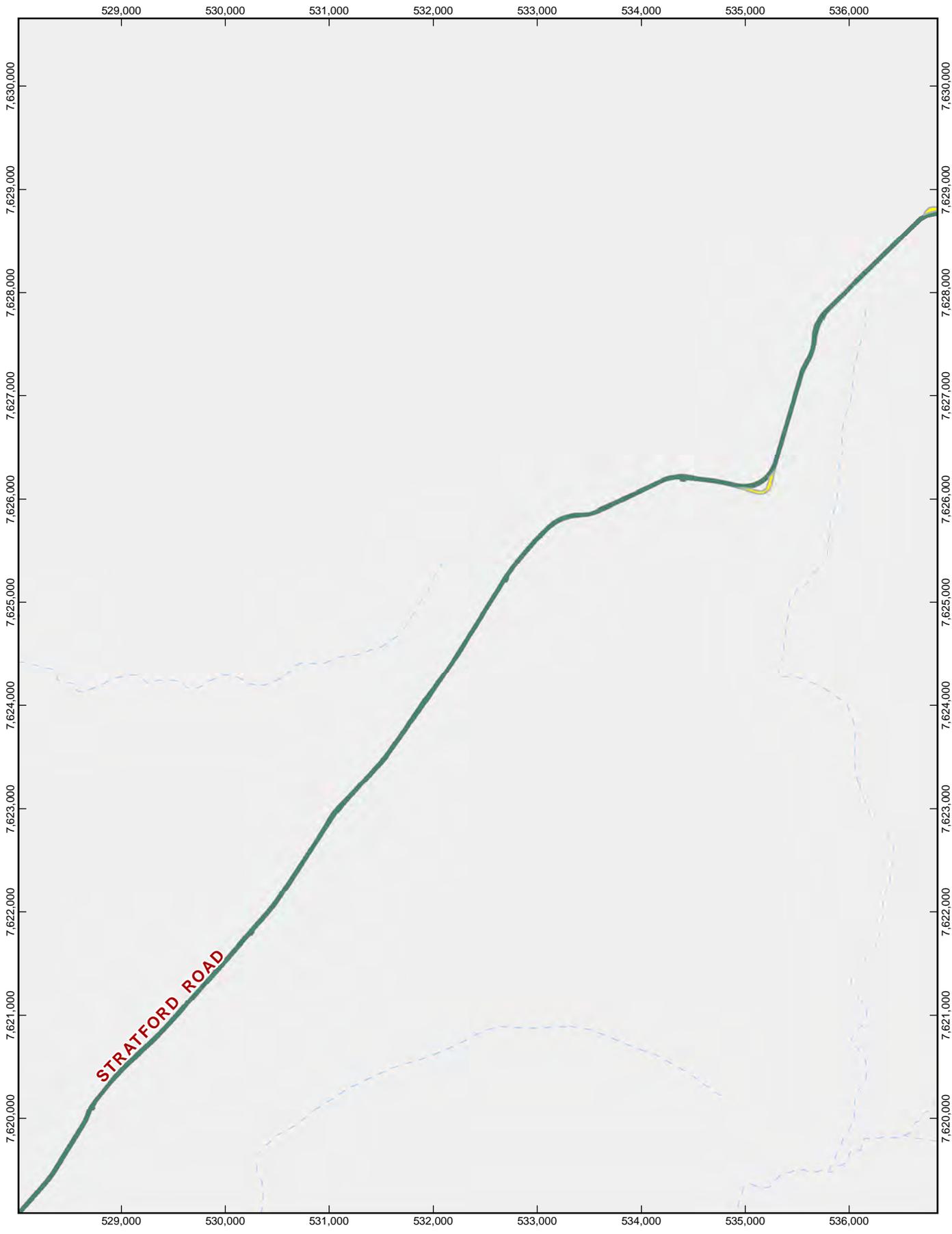


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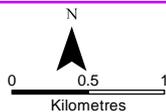
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LEGEND

- EXISTING ROAD ALIGNMENT
- ROAD UPGRADE AREA

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