

251 North Bridge Road Singapore 179102
Tel: 1800-Call LTA (1800-2255582) Fax: (65) 6332 8223

23 June 2008

Dear Sir,

ONLINE RAILWAY PROTECTION PLAN AT [WWW.INLIS.GOV.SG](http://www.inlis.gov.sg)

1. LTA has launched the online sale of railway protection plan since 15 April 2008 at www.inlis.gov.sg.
2. This railway protection plan shows whether any subject lot falls within or in the vicinity of railway safety zone, railway protection zone or railway corridor. This will facilitate Qualified Person to determine whether they need to submit their development and building works proposal to LTA under the Rapid Transit System (Development & Building Works within Railway Corridor and Railway Protection Zone) Regulation to LTA(DBC). It would help in the planning, design and construction of developments on the subject lot.
3. It would also help to identify whether restricted activities as defined in schedule of the Rapid Transit System (Railway Protection, Restricted Activities) Regulation would be located and carried out in the railway protection zone and thus approval from LTA must be obtained.
4. The railway protection plan is available in either PDF or CAD format and provides the following information:
 - Railway safety zone
 - Railway protection zone
 - Railway corridor
 - Railway 1st reserve
 - Area of cadastral lot within railway safety zone
5. Each copy of the plan cost \$50.00 (GST excluded).
6. We enclosed the FAQ and explanatory notes of the railway protection plan for your reference. You may view a sample of the railway protection plan in PDF format at <http://www.lta.gov.sg/dbc/images/sample.pdf>.
7. This information would be useful to your members and we would appreciate it if you would help us to inform your members.
8. If you have any query please contact Ho Loong Hing at 63326072.

Yours faithfully

WONG FOOK KHEE
MANAGER, DEVELOPMENT & BUILDING CONTROL
DEVELOPMENT & BUILDING CONTROL

Encl: FAQ and Explanatory notes

RAILWAY PROTECTION PLAN FREQUENTLY ASKED QUESTIONS

1. What is Railway Protection Plan

Railway Protection Plan shows the railway safety zone, railway protection zone, railway corridor and railway 1st reserve graphically on Cadastral Data provided by Survey Services Department of Singapore Land Authority.

2. What is the Railway Safety Zone?

Railway Safety Zone means the land delineated as show in plan or maps prepared by the Authority pursuant to Regulation 4 of the Rapid Transit System (Railway Protection, Restricted Activities) Regulation.

3. What is the implication of the Railway Safety Zone?

If it appears that a restricted activity is being carried out in the Railway Safety Zone, LTA may notify in writing requiring the owner/developer or the contractor carrying out any restricted activities within railway safety zone to provide information in pursuant to Regulation 6 of the Rapid Transit System (Railway Protection, Restricted Activities) Regulation.

Guidelines for carrying out restricted activities are provided in [Guide To Carrying Out Restricted Activities Within Railway Protection & Safety Zones](#) for such works. Approval should be obtained from LTA DBC before starting critical works which pose high risk to the railway.

4. What are restricted activities?

Restricted activities are listed in the schedule of the Rapid Transit System (Railway Protection, Restricted Activities) Regulation. They are briefly summarized as:

- a. Use of crane, drilling or piling equipment, excavator or any other mechanical equipment or vehicle
- b. Installation of boreholes, wells, sheet-piles, pile foundations, ground anchors and horizontal tie backs
- c. Storage of materials
- d. Excavation of trenches, pits, earthworks, backfilling
- e. Dredging of sea beds or river beds, anchoring of vessel with displacement weight more than 20 tons
- f. Erection of temporary structures such as maintenance towers, ladders, hoardings, and others such as those for trade fair, fun fair. exhibitions, entertainment, night markers, religions functions or ceremonies
- g. Planting of trees with full grown height above parapet wall or wing wall of railway
- h. Use of explosive material for blasting, demolition or removal of rocks
- i. Construction of underground passageway for use of street, railway, conduit for utilities, and access for people, vehicles, or equipment to underground working site

5. How can I apply for clearance to carry out restricted activities?

You may write to the following for your application on restricted activities:

Deputy Director (Development & Building Control)
251 North Bridge Road
Singapore 179102

You can make use of the following forms at LTA website to apply for clearance for trench excavation and erection of temporary shed/tents/shelters:

- [LTA DBC RAIL-S1: Application For Permission to Carry Out Trench and Pit Excavation Within Railway Protection Zone](#)
- [LTA DBC RAIL-S2: Application For Permission To Erect Temporary Sheds/Tents/Shelters Within Railway Protection Zone](#)

6. What is the Railway Protection Zone?

Railway Protection Zone is defined in the Rapid Transit System (Railway Protection, Restricted Activities) Regulation. It means that part of the land within 40m from the railway.

7. What is the implication if my land or work area is within Railway Protection Zone?

You should obtain LTA clearance if you want to carry out restricted activities in the railway protection zone.

In addition, any person who intends to develop and carry out engineering works within the railway protection zone must submit their proposal to LTA under Rapid Transit System (Development & Building Works within Railway Corridor and Railway Protection Zone) Regulations.

The design, planning and construction of these proposals must take into consideration the requirements in the [Code of Practice for Railway Protection](#). Qualified Person must make submission to LTA DBC for review and approval and apply for permit before starting work on site.

8. What is Railway Corridor?

Railway Corridor is based on the railway area gazetted in accordance with Section 3 of the Rapid Transit System Act to safeguard the area designated for proposed railway lines.

9. What is the implication of Railway Corridor?

Any person who intends to develop and carry out engineering works within the railway corridor must submit their proposal to LTA under Rapid Transit System (Development & Building Works within Railway Corridor and Railway Protection Zone) Regulations.

The design, planning and construction of these proposals must take into consideration the requirements in the [Code of Practice for Railway Protection](#). Qualified Person must make submission to LTA DBC for review and approval and apply for permit before starting work on site.

10. What is 1st reserve?

The extent of the 1st reserve is defined in [Code of Practice for Railway Protection](#). You can obtain a copy of the Code from LTA website.

11. What is the implication if my land/work area falls in 1st reserve?

The condition for any restricted activities development and engineering works within 1st reserve are more stringent due to the proximity to the rapid transit system. These works must be carefully planned and carried out under close supervision and diligence to avoid damaging or affecting the MRT/LRT structures and the safety of railway operation.

Proposal for works within 1st reserve must be submitted to LTA DBC for review and approval before the work is carried.

12. How do I know which portion of the lot is within railway safety zone?

The portion of lot within railway safety zone is shaded in light blue on the drawing in PDF format or highlighted in () in CAD format.

13. How do I make submissions to Development & Building Control Division (DBC) under the Rapid Transit System (Development & Building Works within Railway Corridor and Railway Protection Zone) Regulation?

You can submit development and building works to DBC through E-Corenet system.

14. Can I develop or redevelop the portion of land within railway protection zone or railway corridor?

Yes you can. However the planning, design and construction of the development must meet the requirements in the [Code of Practice for Railway Protection](#).

15. What output format is available for the Railway Protection Plan?

The railway protection plan is available in both PDF and CAD format. For information please refer to the [Railway Protection Plan Explanatory Notes](#).

RAILWAY PROTECTION PLAN EXPLANATORY NOTES

1. Railway Protection Plan (RPP)

Railway Protection Plan shows railway (MRT/LRT) safeguarding information graphically on approved cadastral data provided by Survey Services Department of Singapore Land Authority. Railway Protection Plan (RPPs) can be obtained for current valid cadastral lots only.

1.1 Payment can be made via Interbank GIRO or via Credit Cards/Debit Card. RPPs can be purchased in either in PDF format or CAD format.

1.2 The RPP should be read in conjunction with the certified plan of the lot and the RLP explanatory notes shown below.

1.3 Softcopy in PDF format for printing using colour printer on A4 or A3 paper size to scales selected by the applicant prior to payment made for the generation of RPP. Printed RPP can also be arranged to be sent to the customers, if preferred, upon payment for posting services. Information shown on RPPs are:

- Railway safety lines
- Railway protection lines
- Railway corridor lines
- Railway 1st reserve lines
- Cadastral Information - the selected lots' text are highlighted in red.
- Road Names
- Portions of land falling within the railway safety zone

1.1 Softcopy in Computer Aided Design (CAD) format (*.dxf) format. The CAD format would be useful for Registered Surveyors, Architects, Professional Engineers & others having suitable CAD software. Applicants are expected to be skilled and trained in the various CAD tools for the usage of these set of data for preparation of development plans as well as plotting purposes. Information shown on RPPs are:

- RPP-CAD format in 1:1 in true co-ordinates. The layers follow the principles established in the Code of Practice for Construction Computer Aided Design (CAD) - CP83.
- Railway Safety Line – RSL “RAILSAFE”
- Railway Protection Line – RPL “RAILPROT”
- Railway Corridor Line – RCL “RAILCORR”
- Railway 1st Reserve Line – RFL “RAILFIRS”
- Land within the railway safety zone – “RAILZONE”

- Cadastral Information - CAD layers named as 'SITECADA' & 'ANOTCANO'.
- Road Names – 'ANOTRDNM'

The information shown in the Railway Protection Plan is to be read in conjunction with the Rapid Transit System (Development & Building Works within Railway Corridor & Railway Protection Zone) Regulation and Rapid Transit System (Railway Protection, Restricted Activities) Regulation. You may refer to the [FAQ](#) for some commonly asked questions.

2. Terms and Conditions

- 2.1 The information is provided "as is" and "as available" and is to be used only as a reference. This information is indicatively and should be verified on site by a registered surveyor. Whilst every effort is made to ensure that the information is correct, the Land Transport Authority does not warrant their accuracy, adequacy or completeness and expressly disclaims liability for any errors or omissions in the information.
- 2.2 Railway Protection Plan may be modified, deleted or replaced from time to time and at any time in the absolute discretion of Land Transport Authority.
- 2.3 Land Transport Authority shall not be held responsible or be made liable for any delay, loss, damage or expense of any kind including without limitation, direct, indirect, special or consequential damage or economic loss as a result of any inaccuracies or omissions in respect of the loss of data or corruption of data during transmission, or arising in connection with any services, products, information or other material obtained from this website or from other any other website linked to this website in relation to the road line plan. This exclusion clause shall take effect to the fullest extent permitted by law.