

**MUNICIPAL DISTRICT OF MACKENZIE NO. 23  
SPECIAL COUNCIL MEETING**

**Monday, August 23, 2004  
4:00 p.m.**

**Council Chambers, MD of Mackenzie  
Fort Vermilion, Alberta**

**AGENDA**

**CALL TO ORDER:** 1. a) Call to Order

**PUBLIC HEARING:** 2. a) Bylaw 463/04 - Airport Vicinity Protection Area  
b)

**ADJOURNMENT:** 3. a) Adjournment







## M.D. of Mackenzie No. 23

### Request For Decision

<b>Meeting:</b>	<b>Special Council</b>
<b>Meeting Date:</b>	<b>August 23, 2004</b>
<b>Presented By:</b>	<b>Paul Driedger, Director Planning, Emergency and Enforcement Services</b>
<b>Title:</b>	<b>PUBLIC HEARING Bylaw 463/04 Airport Vicinity Area</b>
<b>Agenda Item No:</b>	

#### **BACKGROUND / PROPOSAL:**

We have created a new bylaw for the Airport Vicinity Area (AVPA) and removed it from the MD Land Use Bylaw. This will make the LUB more user friendly and make changes to the AVPA easier.

The attached Airport Vicinity Area Bylaw 463/04 received first reading at the July 13, 2004 Council meeting.

The Public Hearing for the proposed Airport Vicinity Area Bylaw 463/04 was advertised for two weeks in both the Echo and the Northern Pioneer.

#### **DISCUSSION / OPTIONS / BENEFITS / DISADVANTAGES:**

The Bylaw will be sent to the Town of High Level for their review after the tonight's Public Hearing. After we get the comments from the Town of High Level, we will bring Bylaw 463/04 back to Council for third reading.

#### **COSTS / SOURCE OF FUNDING:**

N/A





**RECOMMENDED ACTION:**

That second reading be given to Bylaw 463/04, being a revision of the Municipal District of Mackenzie Airport Vicinity Protection Area.

Author:

Reviewed:

C.A.O.:





**MUNICIPAL DISTRICT OF MACKENZIE NO. 23**

**AIRPORT VICINITY PROTECTION AREA**



**463/04**

**AUGUST 2004**





# Municipal District of Mackenzie No. 23 Airport Vicinity Protection Area

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## **1.0 DEFINITIONS**

**"AIRPORT"** means an area of land, water, ice or other surface intended to be used for landing, take-off or servicing aircraft, including all related buildings.

**"AIRSTRIP"** means an area of land associated with an airport runway, excluding related buildings.

**"AIRPORT RUNWAY"** means the area within the airport that is used, or intended to be used, for take-off and landing aircraft.

**"AIRPORT ZONING REFERENCE POINT ELEVATION"** means the lowest threshold elevation point of the runway as shown in the Airport Vicinity Protection Area Height Limitation Schedule 5 for a specific airport.

**"BASIC STRIP"** means a basic strip as described in Schedule 4.

**"DEPARTMENT"** means the Development Officer for the Municipal District of Mackenzie.

**"LAND USE BYLAW"** means the Land Use Bylaw for Municipal District of Mackenzie as amended from time to time.

**"MUNICIPAL AIRPORT"** means the airport facilities known as the High Level Airport, Fort Vermilion Airport, La Crete Airport, Rainbow Lake Airport, and Zama Airport.

**"MUNICIPALITY"** means Municipal District of Mackenzie No. 23.

**"NEF CONTOUR"** means the Noise Exposure Forecast Contour lines that divide and show the areas having different levels of noise exposure to an airport, as shown on the map in Schedule 2.

**"NOISE EXPOSURE FORECAST AREA" or "NEF AREA"** means the areas that are enclosed by Noise Exposure Forecast Contour lines, having different levels of noise exposure in an Airport Vicinity Protection Area that:

- (i) is enclosed by the 40 NEF Contour, or
- (ii) lies between 2 NEF Contours, or
- (iii) lies between the 25 NEF Contour and the boundary of the Protection Area, as shown on the map in Schedule 2.

- (iv) "NEF Contour" means a numbered contour as shown on the map in Schedule 2.

**"PROTECTION AREA"** means the Fort Vermilion, High Level, La Crete, Rainbow Lake, and Zama Airport Vicinity Protection Areas described in Schedule 2.

**"OUTER SURFACE"** means an imaginary surface consisting of a common plane established at a constant elevation of 45 meters above the airport reference point elevation and extending to the outer limits of the Airport Vicinity Protection Area, as described in Schedule 4.

**"TAKE-OFF AND APPROACH SURFACE"** means an imaginary, inclined plane, associated with each end of the Basic Strip, that:

1. commences at, and abuts the end of the Basic Strip,
2. rises at a slope ratio of 1:40 measured from the end of the Basic Strip,
3. diverges outward on each side as it rises, at a slope ratio of 1:10 measured from the respective projected lateral limits of the Basic Strip, and
4. ends at its intersection with the Outer Surface.

**"TRANSITIONAL SURFACE"** means an imaginary surface consisting of an inclined plane, as described in Schedule 4 that:

- 1) commences at, and abuts the lateral limit of the Basic Strip,
- 2) rises at a slope ratio of 1:7 measured from the lateral limit of the Basic Strip, and
- 3) ends at its intersection with the Outer Surface or Take-Off/Approach Surface

## **2.0 MAIN BUILDING PER LOT**

More than one main building may be placed on a lot for an airport if the use complies to those uses listed under the subject land use district included in the Municipal District of Mackenzie Land Use Bylaw.

## **3.0 AIRPORT LAND USE DISTRICT**

### **3.1 AIRPORTS DISTRICT (T)**

This District is set up to address the developmental issues, standards and regulations of five (5) municipal airports: High Level, Fort Vermillion, La Crete, Rainbow Lake, and Zama. In addition to the general standards and regulations applicable to all of these airports, specific requirements and restrictions, supported by Schedules 9 - 15, for the development of land in the vicinity of each individual airport are also stipulated in this section of the Bylaw. This section applies to the development located within the



boundary of the Airport Vicinity Protection Areas as shown in Schedules 9 – 15.

### **3.2 GENERAL STANDARDS AND REGULATIONS FOR AIRPORTS**

1. All developments situated within the Airport Vicinity Protection Areas shall conform to the conditions stipulated below, and will require a development permit, except for the developments that do not exceed five (5) metres above the Airport Reference Elevation or that are listed as follows:
  - a) The maintenance or repair of any building without structural alteration or major renovation.
  - b) The completion of a building that was lawfully under construction at the date of the adoption of this Bylaw if:
    - i. The building is completed in accordance with the terms and conditions under which the development permit was issued, and
    - ii. The building, for which whether or not a permit was granted, is completed within 12 months from the first date on which an official notice for this Bylaw is given.
  - c) The use of any building, as referred to in this section, for which the construction was commenced prior to the adoption of this Bylaw.
  - d) The erection or construction of gates, fences, walls or other means of enclosure less than 1.8 meters (6.0 feet) in height, and the maintenance, improvement and other alternations of them.
  - e) A temporary building, the sole purpose of which is incidental to the erection or alteration of a permanent building, for which a Permit has been issued under the Land Use Bylaw.
  - f) The maintenance or repair of public works, services, and utilities carried out by or on behalf of federal, provincial, and municipal public authorities on land, which is publicly owned or controlled.
  - g) Construction, excavation, or other operations requisite for the continued agricultural use of a parcel in excess of 4 hectares (10 acres) that may be assessed as farmland and used for Extensive Agricultural Operations as defined in the Municipal District of Mackenzie Land Use Bylaw.
- (3) Notwithstanding subsection (1), any development exceeding 5 metres above the airport reference elevation requires a development permit.
- (4) This Bylaw shall be administered by the Development Officer and the Subdivision and Development Appeal Board and they shall be deemed to have the same powers as provided within the appropriate Land Use Bylaw and the Municipal Government Act except that the Subdivision and Development Appeal Board shall

not delete or alter any condition of approval for land uses identified in Tables 1 and 2 of Schedules 3, 9, 14, 19 and 24 to this Bylaw.

- (5) The Development Officer is not precluded by this Bylaw from attaching any other conditions in accordance with the Land Use Bylaw to a development permit.
- (6) A development permit for a development within the Airport Vicinity Protection Area may only be issued if the proposed development conforms with this Bylaw and the Land Use Bylaw.

### **3.3 DEVELOPMENT NEAR AIRPORTS**

1. Development near municipal airports will be required to conform to the Airport Vicinity Protection Areas Bylaw or other established regulation.
2. Commercial airport related development shall not be permitted unless it is located at an approved airstrip site.
3. No private airstrips shall be permitted to locate within the legal boundaries of any Hamlet in the Municipal District of Mackenzie.
4. No private airstrips shall locate within any Airport Vicinity Protection Area.
5. Heliports may not locate in any Hamlet unless they are for emergency medical services.
6. All airport related development directly accessing the Town of Rainbow Lake Municipal Airport shall be encouraged to locate within the Town of Rainbow Lake.
7. **NO** development shall take place within the Airport Vicinity Protection Area that would unduly affect the lives, amenities and general well being of the surrounding residents, commercial and industrial activities, or those of the airport.
8. All applications for developments within the Airport Rural (A-R) District shall be circulated to the Town of Rainbow Lake for their information.
9. All applications within the Airport Urban (A-U) District shall be circulated to the Town of Rainbow Lake for their information.

### **3.4 ESTABLISHMENT OF PROTECTION AREA**

- (1) The part of Alberta described in Schedules 1, 7, 12, 17 and 22 are established as Airport Vicinity Protection Areas under the Municipal District of Mackenzie Land Use Bylaw.
- (2) If any discrepancy exists between the description of the Protection Areas in Schedule 1, 7, 12, 17 and 22 and the location of the Protection Areas as shown on the map in Schedule 2, 8, 13, 18 and 23, the description in Schedules 1, 7, 12, 17 and 22 prevails.

### **3.5 LAND USE**

- (1) For the purposes of this section and Schedule 3, 9, 14, 19, and 24, the Protection Area is divided into the following land use districts, namely,
  - (a) the Airport Clear District, designated A-CL,
  - (b) the Airport Industrial District, designated A-M,
  - (c) the Airport Rural District, designated A-R,  
as shown in Schedules 2, 8, 12, 18, and 23.
- (2) The Development Officer may issue a development permit without any conditions under this application for any application that involves a use that is designated "P" within Table 1 of Schedules 3, 9, 14, 19 and 24.
- (3) The Development Officer may issue a development permit for an application that involves a conditional use or a similar or substantially similar use in accordance with Table 1 of Schedules 3, 9, 14, 19 and 24 only if the appropriate condition specified in Table 2 of those schedules is prescribed as a condition of the Development Permit.
- (4) A Development Officer shall not issue a development permit for an application for development if that use is designated "NA" within Table 1 of Schedules 3, 9, 14, 19 and 24, or if the use is similar or substantially similar, in the opinion of the Development Officer to a prohibited use, or involves a use that is not listed in the Land Use Table.
- (5) Accessory uses and buildings shall be included with each use listed in Schedules 3, 9, 14, 19, and 24, Table 1 of this Regulation unless otherwise noted.

### **3.6 HEIGHT LIMITATIONS**



- (1) A development permit shall not be issued for a development in the Protection Area if the highest point of the development will exceed in elevation at the location of that point any of the following surfaces that project immediately above the surface of the land at that location;
  - (a) the take-off/approach surfaces of the runway of the airport;
  - (b) the transitional surfaces of the runway of the airport;
  - (c) the outer surface.
- (2) For the purposes of this section,
  - (a) if the proposed development is a railway, the highest point of the development shall be deemed to be 6 metres higher than the actual height of the rails, and
  - (b) if the proposed development is a highway or roadway, the highest point of the development shall be deemed to be 4 metres higher than the actual height of the highest part of the travelled portion of the highway.
- (3) The airport reference point elevation is deemed to be 332.2 metres above sea level.

### **3.7 ELECTRONIC FACILITIES**

- (1) If the location of a proposed development lies between 2 numbered contours as shown on the Electronic Facilities Protection Map in Schedules 6, 11, 16, 21 and 26, then, the maximum height limitation applicable to the development is the height limitation represented by the lower of the 2 numbered contours.

## 4.0 HIGH LEVEL AIRPORT VICINITY PROTECTION AREA REGULATION

### SCHEDULE 1

#### HIGH LEVEL AIRPORT VICINITY PROTECTION AREA

The High Level Airport Vicinity Protection Area consists of the land described below:

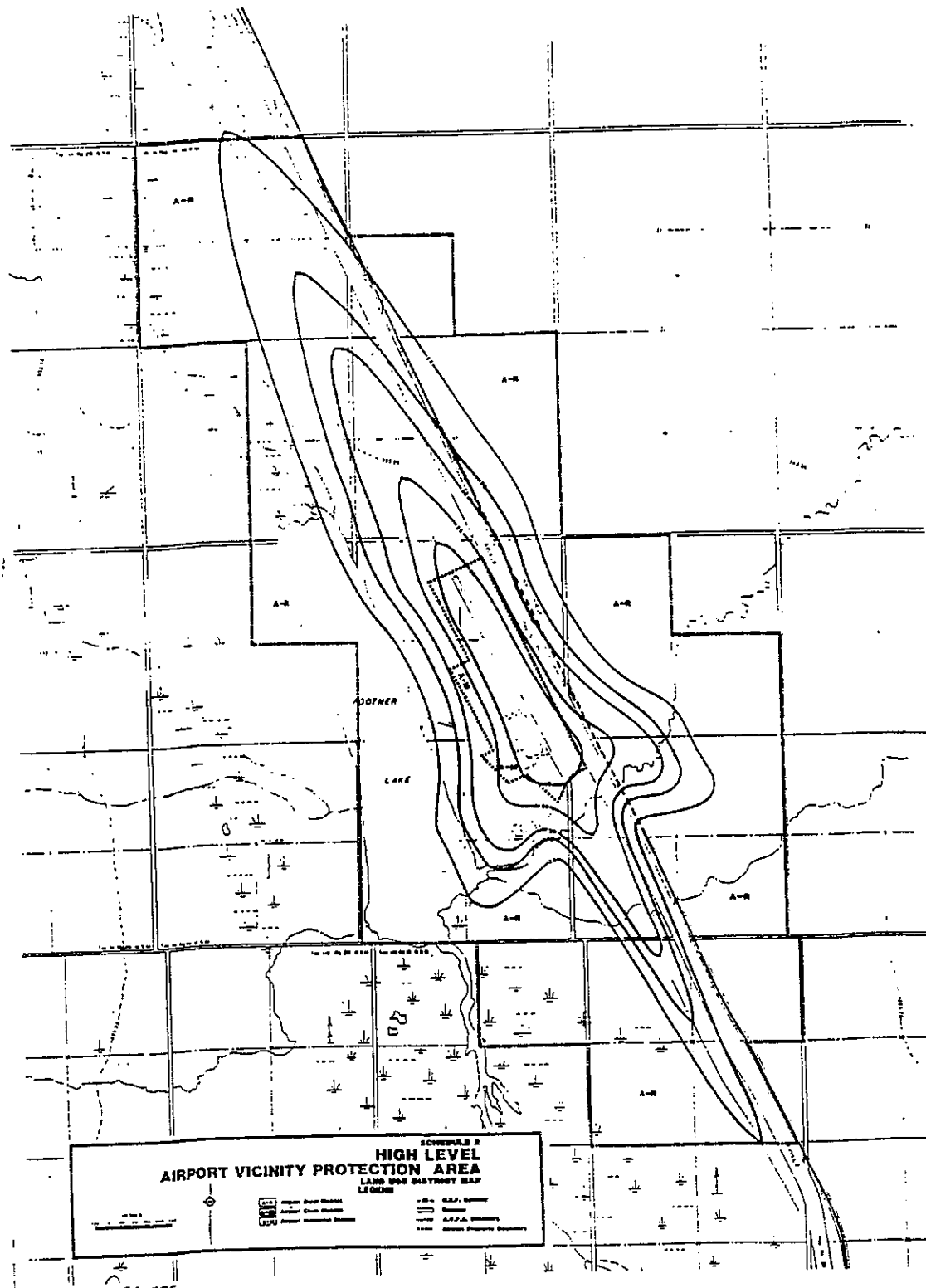
In Township 111, Range 19, West of the Fifth Meridian.

Northwest Quarter, Section 19  
Northeast Quarter, Section 19, lying west of the railway right of way  
Southwest Quarter, Section 19  
Southeast Quarter, Section 19  
Southwest Quarter, Section 20  
Northeast Quarter, Section 18  
Southeast Quarter, Section 18  
Section 17  
Northeast Quarter, Section 7  
Section 8  
Northwest Quarter, Section 9  
Southwest Quarter, Section 9  
Southeast Quarter, Section 9  
Section 4  
Section 5

In Township 110, Range 19, West of the Fifth Meridian.

Northeast Quarter, Section 31  
Northwest Quarter, Section 32  
Southwest Quarter, Section 32  
Southeast Quarter, Section 32, lying west of the railway right of way.

SCHEDULE 2  
HIGH LEVEL AIRPORT VICINITY PROTECTION AREA  
LAND USE DISTRICT MAP





### SCHEDULE 3

#### LAND USE IN RELATION TO NOISE EXPOSURE FORECAST AREAS

1. In this Schedule
  - (a) "C", followed by a number where it appears in one of the NEF Area (noise exposure forecast area) columns in Table 1 opposite a particular land use means that the land use is permitted subject to the condition(s) set out in Table 2 bearing the same letter and number.
  - (b) "NA", where it appears in one of the NEF columns in Table 1 opposite a particular land use, means that the land use is not allowed and prohibited in that NEF Area.
  - (c) "P", where it appears in one of the NEF columns in Table 1 opposite a particular land use, means that the land use in that NEF Area is permitted by this regulation, thus, such a use is neither prohibited nor is a development permit for a development involving that use to be made subject to any condition under Table 2 of this Schedule in this regulation.
  - (d) "NEF 25-Area" means the NEF Area that lies between the 25 NEF Contour and the boundary of the Protection Area;
  - (e) "NEF 25-30 Area" means the NEF Area that lies between the 30 NEF Contour and the 35 NEF Contour;
  - (f) "NEF 30-35 Area" means the NEF Area that lies between the 30 NEF Contour and the 35 NEF Contour;
  - (g) "NEF 35-40 Area" means the NEF Area that lies between the 35 NEF Contour and the 40 NEF Contour;
  - (h) "NEF 40+" Area means the NEF Area enclosed by the 40 NEF Contour;
  - (i) "extensive agriculture" means the use of land or buildings for the raising or production of crops, livestock or poultry, but not restricting the generality of the foregoing does not include feedlots, intensive hog operations, bee keeping, intensive poultry or fowl operations, sod farms, plant nurseries, and landscaping, gardening and livestock yards on a small parcel of land.
  - (j) "residential replacement or infilling unit" means any new residential development that:

- (i) will replace a residential development that has been demolished or destroyed, or
  - (ii) is to be built on a lot that is
    - (a) registered under the *Land Titles Act*, and
    - (b) zoned for residential development,
 before the coming into force of this Bylaw;
- (2) Developments existing before the passing of this regulation shall be deemed to comply with the second insulation requirements set out in this Schedule.

**SCHEDULE 3**  
**TABLE 1**  
**LAND USE IN RELATION TO NOISE EXPOSURE FORECAST AREAS**

**Land Uses**

**Airport Clear District A-CL**

	<u>Noise Exposure Forecast Areas</u>				
	NEF	NEF	NEF	NEF	NEF
	25-	25-30	30-35	35-40	40+
	Area	Area	Area	Area	Area
Airport Runway	P	P	P	P	P
Extensive Agriculture	P	P	P	P	P

**Land Uses**

**Airport Industrial District (A-M)**

	<u>Noise Exposure Forecast Areas</u>				
	NEF	NEF	NEF	NEF	NEF
	25-	25-30	30-35	35-40	40+
	Area	Area	Area	Area	Area
Airport	P	P	P	P	P
Aircraft Hangars, Sales Repairs	P	P	P	P	P
Airport Industries	P	P	P	P	P
Extensive Agriculture	P	P	P	P	P

Land UsesAirport Rural District (A-R)Noise Exposure Forecast Areas

	NEF 25- Area	NEF 25-30 Area	NEF 30-35 Area	NEF 35-40 Area	NEF 40+ Area
Single Family Residence	P	C <sub>1</sub>	NA	NA	NA
Abattoir	C	C	C	C	C
Tannery	C	C	C	C	C
Home Based Business	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Golf Course	P	P	P	P	P
Agricultural Industry	P	P	P	P	P
Intensive Agriculture	C	C	C	C	NA
Hog Buying Station	C	C	C	C	NA
Livestock Sales Yard	C	C	C	C	NA
Community Centre (Hall)	P	P	P	NA	NA
Industrial Plant	C	C	C	C	C
Farm Subsidiary Occupation	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Landfill Site	C	C	C	C	C
Gravel Pit	P	P	P	P	P
Sod Farm	P	P	P	P	P
Stripping of Topsoil	P	P	P	P	P
Veterinary Clinic	P	P	C <sub>1,2</sub>	NA	NA
Public Utility Building	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Sewage Lagoon	C	C	C	C	C
Radio, Television Tower	P	P	P	P	P
Church	P	C <sub>1</sub>	C <sub>1</sub>	NA	NA
Kennel	P	P	C <sub>1,2</sub>	NA	NA
Highway Maintenance Yard	P	P	P	P	P
Government Weigh Scale	P	P	P	P	P
School	P	C <sub>1</sub>	NA	NA	NA
Minor Recreational Facility	P	P	P	C <sub>2,3</sub>	NA
Bulk Oil Supplies	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Agricultural Supply Depot	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Contractor's Business	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Auto Wrecker	P	P	P	P	P
Pipe And Equipment Storage	P	P	P	P	P
Agricultural Machinery, Sales and Service	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Gasoline Service Station	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Post Office	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Retail Store	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Game Farm	P	P	P	P	NA
Ranger Cabin	P	C <sub>1</sub>	NA	NA	NA
Tradesman's Business	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>

Public Buildings	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Water Reservoir	C	C	C	C	C
Ancillary Buildings	AS PER PRIMARY USE				
Sawmills	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Residential Replacement Infilling Unit	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA

## SCHEDULE 3

### TABLE 2

#### LAND USE CONDITIONS

- C<sub>1</sub> Construction shall conform to the exterior acoustic insulation requirements of Part 11 of the *Alberta Building Code 1985* for those NEF Areas other than the NEF 25-Area unless otherwise stated in this regulation. Where this condition is specified, the Development Officer shall indicate on the Development Permit between which noise contours the proposed development site would be located for reference of the building inspector at the time of the building permit application.
- C<sub>2</sub> The development shall be covered completely.
- C<sub>3</sub> The development shall not include structures for the seating of spectators except as varied to allow for seating of a minor nature as specified in the condition.

## SCHEDULE 4

### HEIGHT LIMITATIONS

#### HIGH LEVEL AIRPORT VICINITY PROTECTION AREA

##### Basic Strip

1. The basic strip associated with the airport runway is an area 304.8 metres in width and 1645.9 metres in length, the location of which is shown on the map in Schedule E.

#### TAKE-OFF/APPROACH SURFACES

2. There are take-off approach surfaces associated with each end of the basic strip and in each case the surface is imaginary and consists of an inclined plane that:
  - (a) commences at and abuts the end of the basic strip,
  - (b) rises at a slope ratio of 1:50 measured from the end of the basic strip,
  - (c) diverges outward on each side as it rises, at a slope ratio of 1:15 measured from the respective projected lateral limits of the basic strip, and
  - (d) ends at its intersection with the outer surface.



### **TRANSITIONAL SURFACES**

3. There is a transitional surface associated with each level limit of the basic strip, and in each case the transitional surface is an imaginary surface consisting of an inclined plane that:
  - (a) commences at and abuts the lateral limit of the basic strip,
  - (b) rises at a slope ratio of 1:7 measured from the lateral limit of the basic strip, and
  - (c) ends at its intersection with the outer surface or a take-off/approach surface.

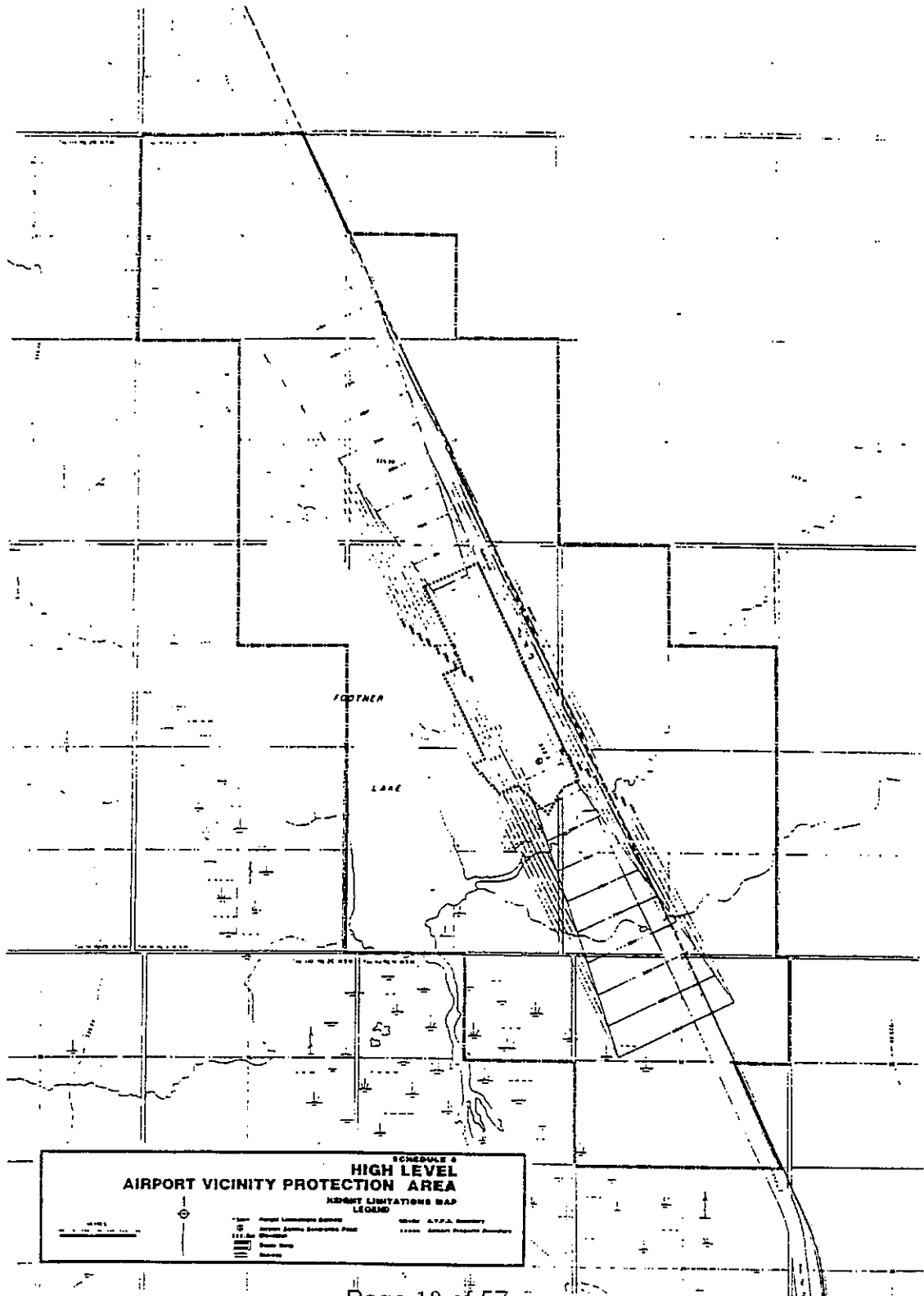
### **OUTER SURFACE**

4. The outer surface of the Protection Area is an imaginary surface consisting of a common plane established at a constant elevation of 45 metres above the airport reference point elevation and extending to the outer limits of the Protection Area.

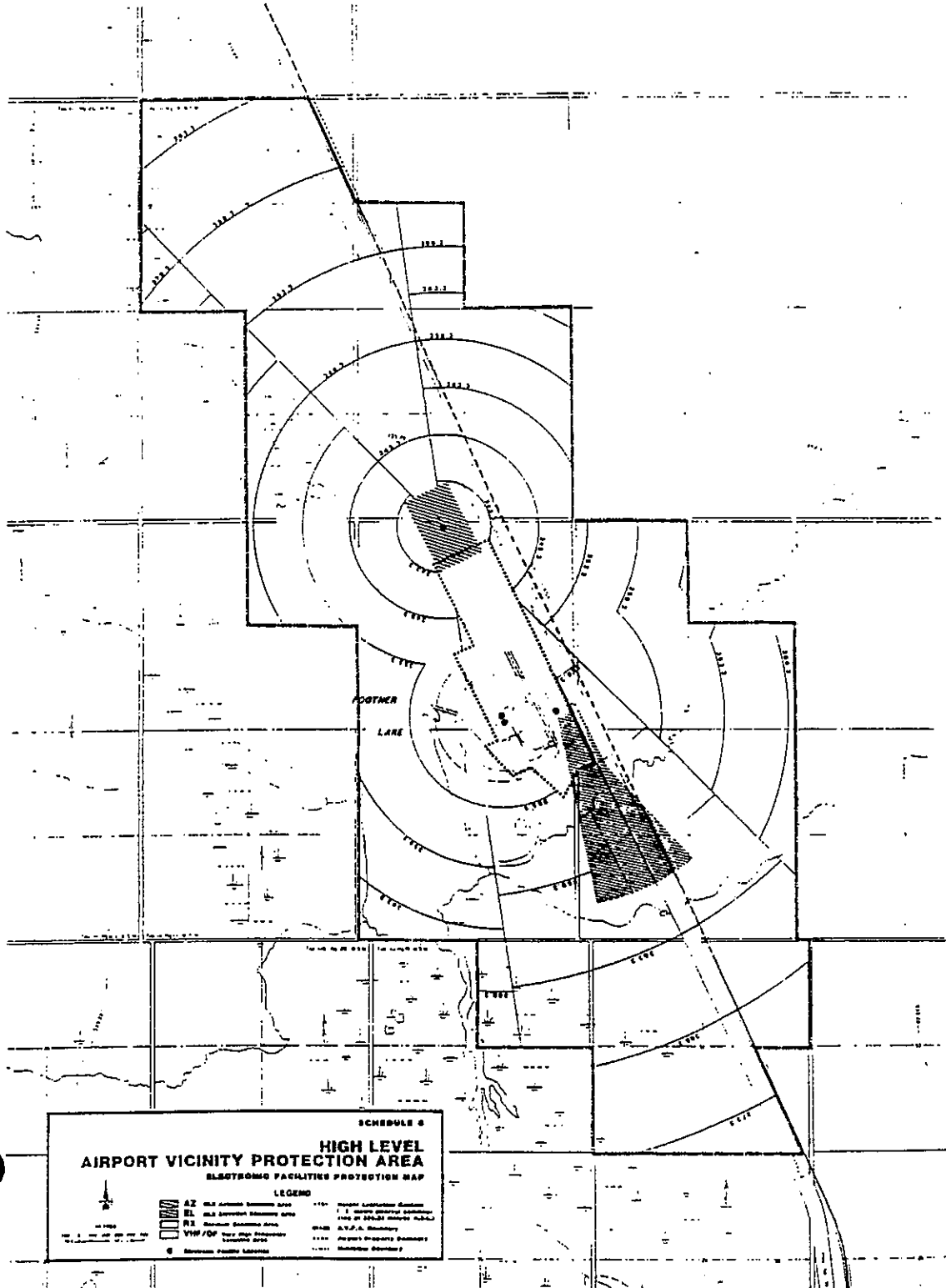
### **GENERAL**

5. The area location of the take-off/approach surfaces and transitional surfaces are represented on the map shown in Schedule 5, but, if any discrepancy exists between the description of the take-off/approach surfaces or transitional surfaces in this Schedule and their location on the map in Schedule 5, the description in this Schedule prevails.

**SCHEDULE 5  
HIGH LEVEL AIRPORT VICINITY PROTECTION AREA  
HEIGHT LIMITATIONS MAP**



# SCHEDULE 6 HIGH LEVEL AIRPORT VICINITY PROTECTION AREA ELECTRONIC FACILITIES MAP



64-195

**5.0 FORT VERMILION AIRPORT VICINITY PROTECTION AREA  
REGULATION**

**SCHEDULE 7**

**FORT VERMILION AIRPORT VICINITY PROTECTION AREA**

The Fort Vermilion Airport Vicinity Protection Area consists of the land described below:

In Township 108, Range 12, West of the Fifth Meridian.

Northeast Quarter, Section 30

Southeast Quarter, Section 30, north of south bank of the Peace River

Section 29, north of the south bank of the Peace River

Section 28

Southwest Quarter, Section 27

Southeast Quarter, Section 27

Northeast Quarter, Section 21

River Lot 1, Range 1, Fort Vermilion Settlement

River Lot 2, Range 1, Fort Vermilion Settlement

River Lot 3, Range 1, Fort Vermilion Settlement

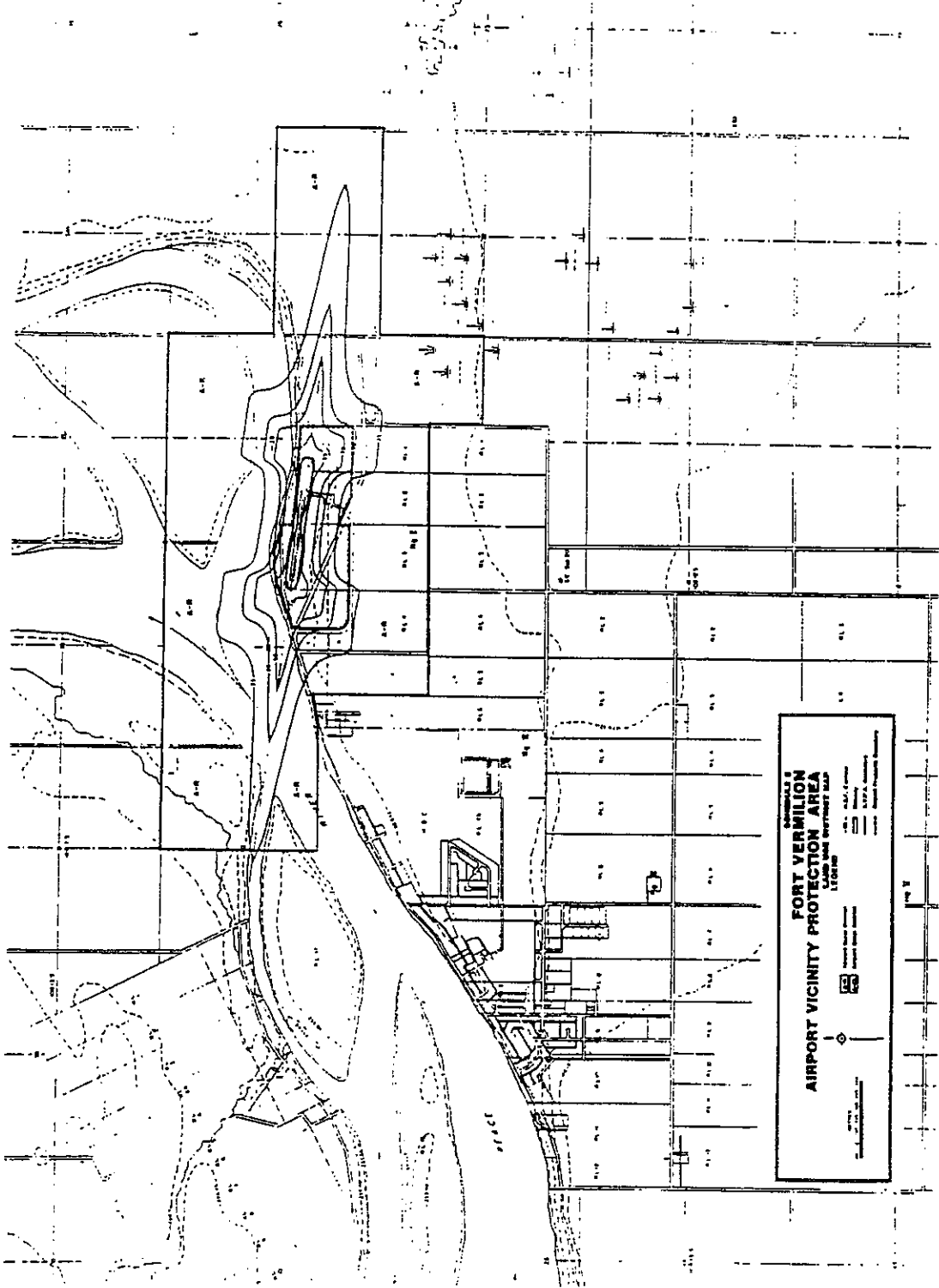
River Lot 4, Range 1, Fort Vermilion Settlement

River Lot 5, Range 2, C. of T. 782293942 Fort Vermilion Settlement

Lot A, Plan No. 812-0388 Fort Vermilion Settlement

Lot B, Plan No. 812-0388 Fort Vermilion Settlement

SCHEDULE 8  
FORT VERMILION AIRPORT VICINITY PROTECTION AREA  
LAND USE DISTRICT MAP





## SCHEDULE 9

### LAND USE IN RELATION TO NOISE EXPOSURE FORECAST AREAS

1. In this Schedule
  - (a) "C", followed by a number where it appears in one of the NEF Area (noise exposure forecast area) columns in Table 1 opposite a particular land use means that the land use is permitted subject to the condition(s) set out in Table 2 bearing the same letter and number.
  - (b) "NA", where it appears in one of the NEF columns in Table 1 opposite a particular land use, means that the land use is not allowed and prohibited in that NEF Area.
  - (c) "P", where it appears in one of the NEF columns in Table 1 opposite a particular land use, means that the land use in that NEF Area is permitted by this regulation, thus, such a use is neither prohibited nor is a development permit for a development involving that use to be made subject to any condition under Table 2 of this Schedule in this regulation.
  - (d) "NEF 25-Area" means the NEF Area that lies between the 25 NEF Contour and the boundary of the Protection Area;
  - (e) "NEF 25-30 Area" means the NEF Area that lies between the 30 NEF Contour and the 35 NEF Contour;
  - (f) "NEF 30-35 Area" means the NEF Area that lies between the 30 NEF Contour and the 35 NEF Contour;
  - (g) "NEF 35-40 Area" means the NEF Area that lies between the 35 NEF Contour and the 40 NEF Contour;
  - (h) "NEF 40+" Area means the NEF Area enclosed by the 40 NEF Contour;
  - (i) "extensive agriculture" means the use of land or buildings for the raising or production of crops, livestock or poultry, but not restricting the generality of the foregoing does not include feedlots, intensive hog operations, bee keeping, intensive poultry or fowl operations, sod farms, plant nurseries, and landscaping, gardening and livestock yards on a small parcel of land.
  - (j) "residential replacement or infilling unit" means any new residential development that:
    - (i) will replace a residential development that has been demolished or destroyed,

- or
- (ii) is to be built on a lot that is
- (a) registered under the *Land Titles Act*, and
- (b) zoned for residential development,

before the coming into force of this Regulation;

- (2) Developments existing before the passing of this regulation shall be deemed to comply with the second insulation requirements set out in this Schedule.

## SCHEDULE 9

TABLE 1

### LAND USE IN RELATION TO NOISE EXPOSURE FORECAST AREAS

<u>Land</u>	<u>Uses Airport Clear District A-CL</u>				
	<u>Noise Exposure Forecast Areas</u>				
	NEF 25- Area	NEF 25-30 Area	NEF 30-35 Area	NEF 35-40 Area	NEF 40+ Area
Airport Runway	P	P	P	P	P
Extensive Agriculture	P	P	P	P	P

<u>Land</u>	<u>Uses Airport Rural District (A-R)</u>				
	<u>Noise Exposure Forecast Areas</u>				
	NEF 25- Area	NEF 25-30 Area	NEF 30-35 Area	NEF 35-40 Area	NEF 40+ Area
Single Family Residence	P	C <sub>1</sub>	NA	NA	NA
Abattoir	C	C	C	C	C
Tannery	C	C	C	C	C
Home Based Business	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Golf Course	P	P	P	P	P

Agricultural Industry	P	P	P	P	P
Intensive Agriculture	C	C	C	C	NA
Hog Buying Station	C	C	C	C	NA
Livestock Sales Yard	C	C	C	C	NA
Community Centre (Hall)	P	P	P	NA	NA
Industrial Plant	C	C	C	C	C
Farm Subsidiary Occupation	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Landfill Site	C	C	C	C	C
Gravel Pit	P	P	P	P	P
Sod Farm	P	P	P	P	P
Stripping of Topsoil	P	P	P	P	P
Veterinary Clinic	P	P	C <sub>1,2</sub>	NA	NA
Public Utility Building	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Sewage Lagoon	C	C	C	C	C
Radio, Television Tower	P	P	P	P	P
Church	P	C <sub>1</sub>	C <sub>1</sub>	NA	NA
Kennel	P	P	C <sub>1,2</sub>	NA	NA
Highway Maintenance Yard	P	P	P	P	P
Government Weigh Scale	P	P	P	P	P
School	P	C <sub>1</sub>	NA	NA	NA
Minor Recreational Facility	P	P	P	C <sub>2,3</sub>	NA
Bulk Oil Supplies	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Agricultural Supply Depot	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Contractor's Business	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Auto Wrecker	P	P	P	P	P
Pipe And Equipment Storage	P	P	P	P	P
Agricultural Machinery, Sales and Service	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Gasoline Service Station	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Post Office	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Retail Store	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Game Farm	P	P	P	P	NA
Ranger Cabin	P	C <sub>1</sub>	NA	NA	NA
Tradesman's Business	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Public Buildings	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Water Reservoir	C	C	C	C	C
Ancillary Buildings	AS PER PRIMARY USE				
Sawmills	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Residential Replacement Infilling Unit	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA

**SCHEDULE 9  
TABLE 2  
LAND USE CONDITIONS**

- C<sub>1</sub> Construction shall conform to the exterior acoustic insulation requirements of Part 11 of the *Alberta Building Code 1985* for those NEF Areas other than the NEF 25-Area unless otherwise stated in this regulation. Where this condition is specified, the Development Officer shall indicate on the Development Permit between which noise contours the proposed development site would be located for reference of the building inspector at the time of the building permit application.
- C<sub>2</sub> The development shall be covered completely.
- C<sub>3</sub> The development shall not include structures for the seating of spectators except as varied to allow for seating of a minor nature as specified in the condition.

**SCHEDULE 10  
HEIGHT LIMITATIONS  
FORT VERMILION AIRPORT VICINITY PROTECTION AREA**

**Basic Strip**

1. The basic strip associated with the airport runway is an area 91.4 metres in width and 1036.3 metres in length, the location of which is shown on the map in Schedule E.

**TAKE-OFF/APPROACH SURFACES**

2. There are take-off approach surfaces associated with each end of the basic strip and in each case the surface is imaginary and consists of an inclined plane that:
  - (a) commences at and abuts the end of the basic strip,
  - (b) rises at a slope ratio of 1:40 measured from the end of the basic strip,
  - (c) diverges outward on each side as it rises, at a slope ratio of 1:10 measured from the respective projected lateral limits of the basic strip, and
  - (d) ends at its intersection with the outer surface.

**TRANSITIONAL SURFACES**

3. There is a transitional surface associated with each level limit of the basic strip, and in each case the transitional surface is an imaginary surface consisting of an inclined plane that:
  - (a) commences at and abuts the lateral limit of the basic strip,
  - (b) rises at a slope ratio of 1:7 measured from the lateral limit of the basic strip, and
  - (c) ends at its intersection with the outer surface or a take-off/approach surface.

**OUTER SURFACE**

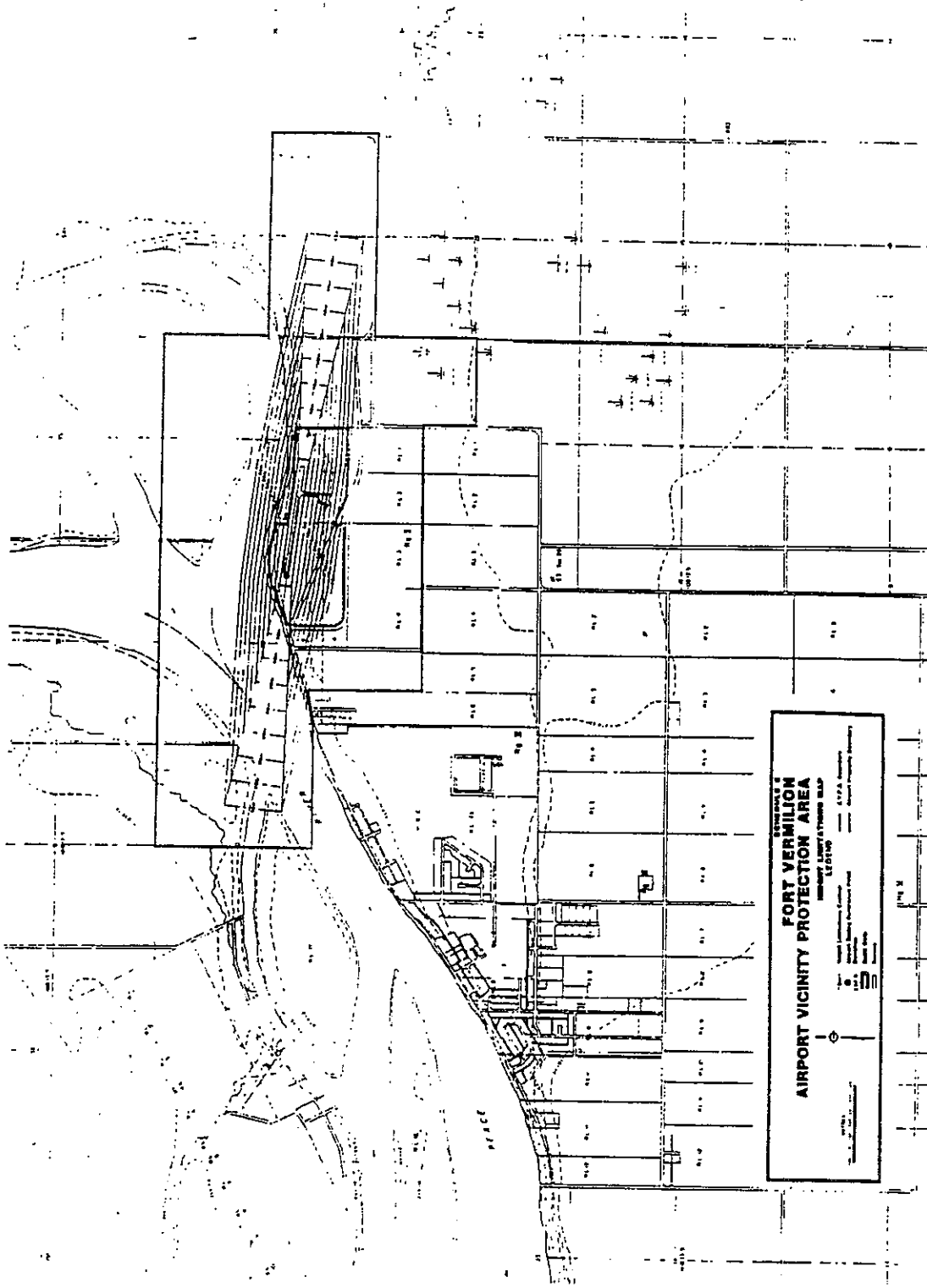
4. The outer surface of the Protection Area is an imaginary surface consisting of a common plane established at a constant elevation of 45 metres above the airport reference point elevation and extending to the outer limits of the Protection Area.



## GENERAL

5. The area location of the take-off/approach surfaces and traditional surfaces are represented on the amp shown in Schedule 10, but, if any discrepancy exists between the description of the take-off/approach surfaces or transitional surfaces in this Schedule and their location on the map in Schedule 10, the description in this Schedule prevails.

**SCHEDULE 11  
FORT VERMILION AIRPORT VICINITY PROTECTION AREA  
HEIGHT LIMITATIONS MAP**



## 6.0 LA CRETE AIRPORT VICINITY PROTECTION AREA REGULATION

### SCHEDULE 12

#### LA CRETE AIRPORT VICINITY PROTECTION AREA

The La Crete Airport Vicinity Protection Area consists of the land described below:

In Township 106, Range 15, West of the 5<sup>th</sup> Meridian:

Northeast Quarter, Section 3  
Southeast Quarter, Section 3  
Section 2  
Section 1

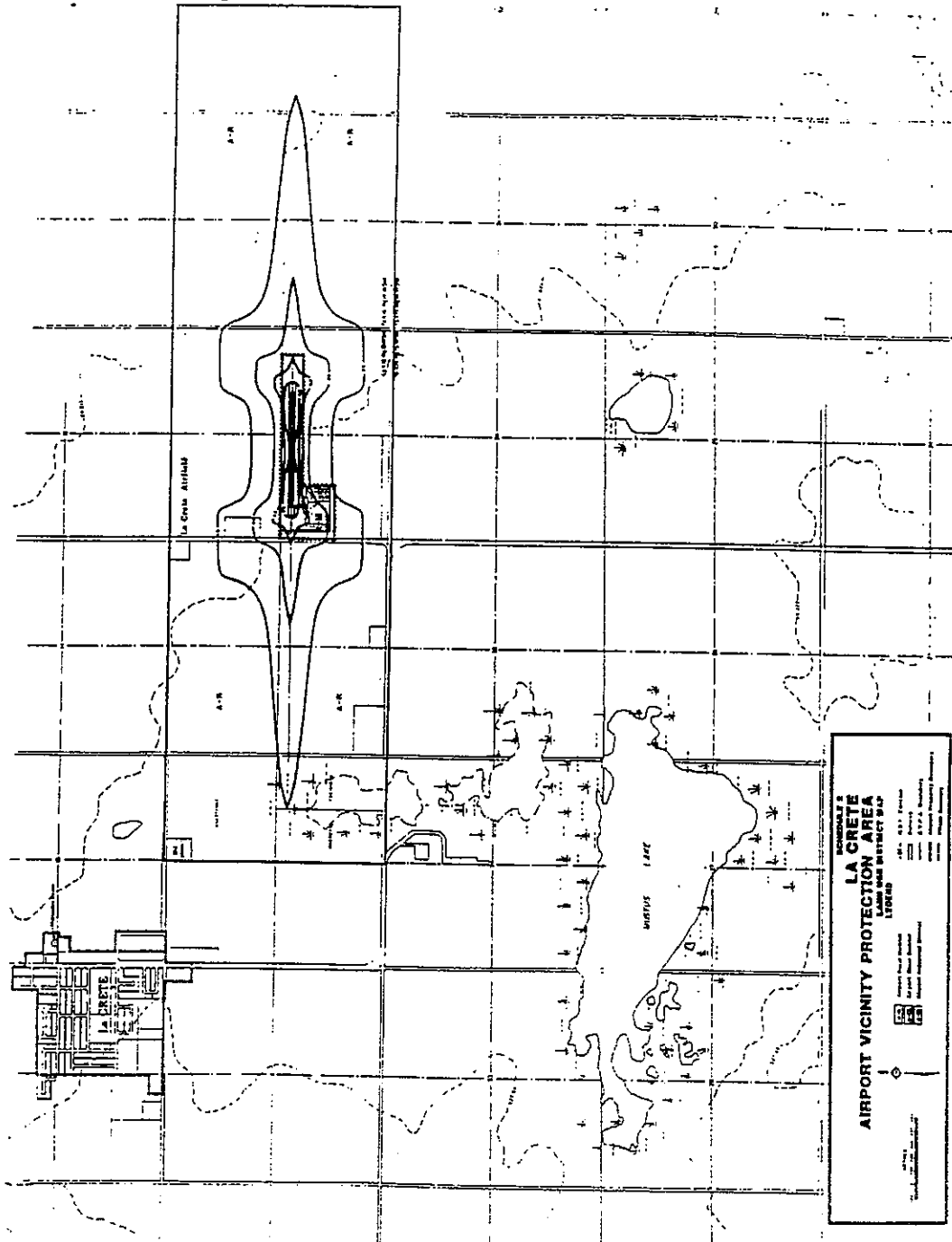
In Township 106, Range 14, West of the 5<sup>th</sup> Meridian:

Section 6  
Northwest Quarter, Section 5  
Southwest Quarter, Section 5

SCHEDULE 13

LA CRETE AIRPORT VICINITY PROTECTION AREA

LAND USE DISTRICT MAP



## SCHEDULE 14

### LAND USE IN RELATION TO NOISE EXPOSURE FORECAST AREAS

1. In this Schedule
  - (a) "C", followed by a number where it appears in one of the NEF Area (noise exposure forecast area) columns in Table 1 opposite a particular land use means that the land use is permitted subject to the condition(s) set out in Table 2 bearing the same letter and number.
  - (b) "NA", where it appears in one of the NEF columns in Table 1 opposite a particular land use, means that the land use is not allowed and prohibited in that NEF Area.
  - (c) "P", where it appears in one of the NEF columns in Table 1 opposite a particular land use, means that the land use in that NEF Area is permitted by this regulation, thus, such a use is neither prohibited nor is a development permit for a development involving that use to be made subject to any condition under Table 2 of this Schedule in this regulation.
  - (d) "NEF 25-Area" means the NEF Area that lies between the 25 NEF Contour and the boundary of the Protection Area;
  - (e) "NEF 25-30 Area" means the NEF Area that lies between the 30 NEF Contour and the 35 NEF Contour;
  - (f) "NEF 30-35 Area" means the NEF Area that lies between the 30 NEF Contour and the 35 NEF Contour;
  - (g) "NEF 35-40 Area" means the NEF Area that lies between the 35 NEF Contour and the 40 NEF Contour;
  - (h) "NEF 40+" Area means the NEF Area enclosed by the 40 NEF Contour;
  - (i) "extensive agriculture" means the use of land or buildings for the raising or production of crops, livestock or poultry, but not restricting the generality of the foregoing does not include feedlots, intensive hog operations, bee keeping, intensive poultry or fowl operations, sod farms, plant nurseries, and landscaping, gardening and livestock yards on a small parcel of land.
  - (j) "residential replacement or infilling unit" means any new residential development that:
    - (i) will replace a residential development that has been demolished or destroyed,

- or
- (ii) is to be built on a lot that is
- (a) registered under the *Land Titles Act*, and
- (b) zoned for residential development,

before the coming into force of this Regulation;

- (2) Developments existing before the passing of this regulation shall be deemed to comply with the second insulation requirements set out in this Schedule.

**SCHEDULE 14**

**TABLE 1**

**LAND USE IN RELATION TO NOISE EXPOSURE FORECAST AREAS**

<u>Land</u>	<u>Uses Airport Clear District A-CL</u>				
	<u>Noise Exposure Forecast Areas</u>				
	NEF 25- Area	NEF 25-30 Area	NEF 30-35 Area	NEF 35-40 Area	NEF 40+ Area
Airport Runway	P	P	P	P	P
Extensive Agriculture	P	P	P	P	P

<u>Land</u>	<u>Uses Airport Industrial District (A-M)</u>				
	<u>Noise Exposure Forecast Areas</u>				
	NEF 25- Area	NEF 25-30 Area	NEF 30-35 Area	NEF 35-40 Area	NEF 40+ Area
Airport Aircraft Hangars, Sales Repairs	P	P	P	P	P
Airport Industries	P	P	P	P	P
Extensive Agriculture	P	P	P	P	P



LandUse Airport Rural District (A-R)Noise Exposure Forecast Areas

	NEF 25- Area	NEF 25-30 Area	NEF 30-35 Area	NEF 35-40 Area	NEF 40+ Area
Single Family Residence	P	C <sub>1</sub>	NA	NA	NA
Abattoir	C	C	C	C	C
Tannery	C	C	C	C	C
Home Based Business	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Golf Course	P	P	P	P	P
Agricultural Industry	P	P	P	P	P
Intensive Agriculture	C	C	C	C	NA
Hog Buying Station	C	C	C	C	NA
Livestock Sales Yard	C	C	C	C	NA
Community Centre (Hall)	P	P	P	NA	NA
Industrial Plant	C	C	C	C	C
Farm Subsidiary Occupation	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Landfill Site	C	C	C	C	C
Gravel Pit	P	P	P	P	P
Sod Farm	P	P	P	P	P
Stripping of Topsoil	P	P	P	P	P
Veterinary Clinic	P	P	C <sub>1,2</sub>	NA	NA
Public Utility Building	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Sewage Lagoon	C	C	C	C	C
Radio, Television Tower	P	P	P	P	P
Church	P	C <sub>1</sub>	C <sub>1</sub>	NA	NA
Kennel	P	P	C <sub>1,2</sub>	NA	NA
Highway Maintenance Yard	P	P	P	P	P
Government Weigh Scale	P	P	P	P	P
School	P	C <sub>1</sub>	NA	NA	NA
Minor Recreational Facility	P	P	P	C <sub>2,3</sub>	NA
Bulk Oil Supplies	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Agricultural Supply Depot	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Contractor's Business	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Auto Wrecker	P	P	P	P	P
Pipe And Equipment Storage	P	P	P	P	P
Agricultural Machinery, Sales and Service	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Gasoline Service Station	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Post Office	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Retail Store	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Game Farm	P	P	P	P	NA
Ranger Cabin	P	C <sub>1</sub>	NA	NA	NA

Tradesman's Business	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Public Buildings	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Water Reservoir	C	C	C	C	C
Ancillary Buildings	AS PER PRIMARY USE				
Sawmills	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Residential Replacement Infilling Unit	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA

## SCHEDULE 14

### TABLE 2

#### LAND USE CONDITIONS

- C<sub>1</sub> Construction shall conform to the exterior acoustic insulation requirements of Part 11 of the *Alberta Building Code 1985* for those NEF Areas other than the NEF 25-Area unless otherwise stated in this regulation. Where this condition is specified, the Development Officer shall indicate on the Development Permit between which noise contours the proposed development site would be located for reference of the building inspector at the time of the building permit application.
- C<sub>2</sub> The development shall be covered completely.
- C<sub>3</sub> The development shall not include structures for the seating of spectators except as varied to allow for seating of a minor nature as specified in the condition.

## SCHEDULE 15

### HEIGHT LIMITATIONS LA CRETE AIRPORT VICINITY PROTECTION AREA

#### Basic Strip

1. The basic strip associated with the airport runway is an area 61.0 metres in width and 1021.1 metres in length, the location of which is shown on the map in Schedule E.

#### TAKE-OFF/APPROACH SURFACES

2. There are take-off approach surfaces associated with each end of the basic strip and in each case the surface is imaginary and consists of an inclined plane that:

- (a) commences at and abuts the end of the basic strip,
- (b) rises at a slope ratio of 1:40 measured from the end of the basic strip,
- (c) diverges outward on each side as it rises, at a slope ratio of 1:10 measured from the respective projected lateral limits of the basic strip, and
- (d) ends at its intersection with the outer surface.

### **TRANSITIONAL SURFACES**

- 3. There is a transitional surface associated with each level limit of the basic strip, and in each case the transitional surface is an imaginary surface consisting of an inclined plane that:
  - (a) commences at and abuts the lateral limit of the basic strip,
  - (b) rises at a slope ratio of 1:7 measured from the lateral limit of the basic strip, and
  - (c) ends at its intersection with the outer surface or a take-off/approach surface.

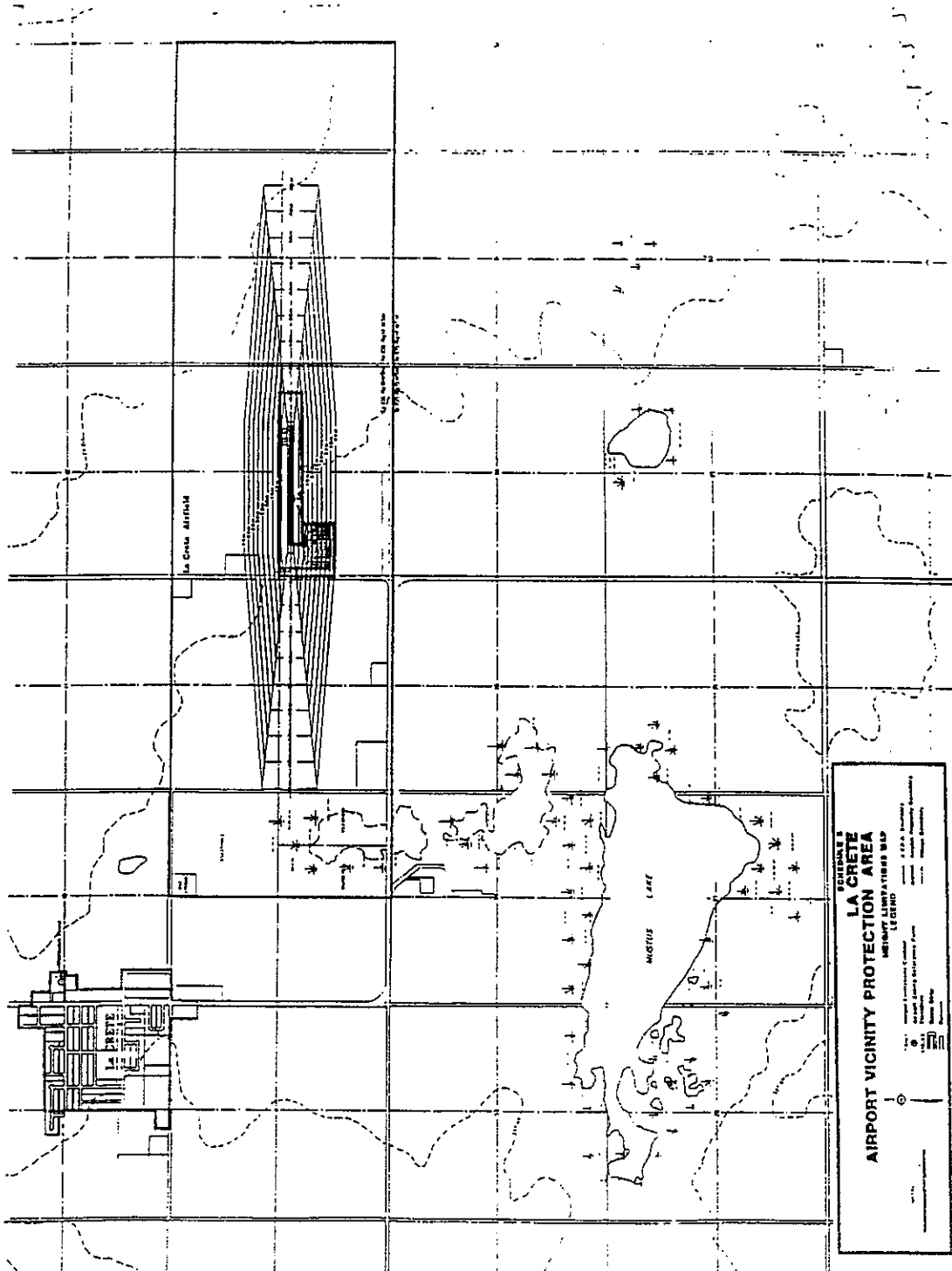
### **OUTER SURFACE**

- 4. The outer surface of the Protection Area is an imaginary surface consisting of a common plane established at a constant elevation of 45 metres above the airport reference point elevation and extending to the outer limits of the Protection Area.

### **GENERAL**

- 5. The area location of the take-off/approach surfaces and transitional surfaces are represented on the map shown in Schedule 15, but, if any discrepancy exists between the description of the take-off/approach surfaces or transitional surfaces in this Schedule and their location on the map in Schedule 5, the description in this Schedule prevails.

SCHEDULE 16  
LA CRETE AIRPORT VICINITY PROTECTION AREA  
HEIGHT LIMITATIONS MAP



**7.0 RAINBOW LAKE AIRPORT VICINITY PROTECTION AREA  
REGULATION**

**SCHEDULE 17**

**RAINBOW LAKE AIRPORT VICINITY PROTECTION AREA**

The Rainbow Lake Airport Vicinity Protection Area consists of the land described below:

In Township 109, Range 9, West of the 6<sup>th</sup> Meridian:

Northeast Quarter, Section 22

North Half-Section, Section 23

Section 24

Southwest Quarter, Section 25

South Half-Section, Section 26

All of Plan 5445 within the Northwest Quarter of Section 26

Section 27

North Half-Section, Section 28

Southeast Quarter, Section 28

Northeast Quarter, Section 29

East Half-Section, Section 31

South Half-Section, Section 32

Northwest Quarter, Section 32

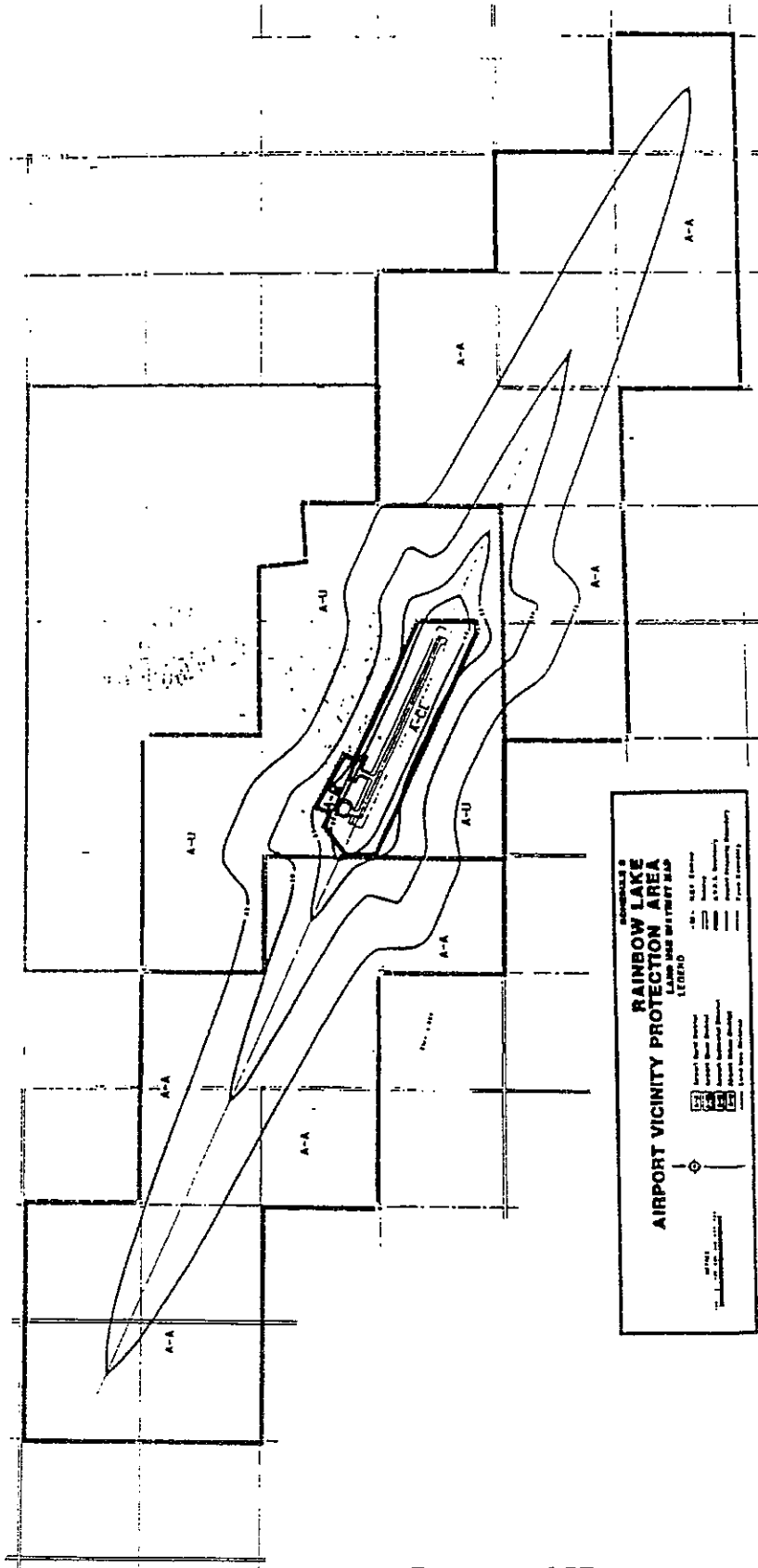
South Half-Section, Section 33

Southwest Quarter, Section 34

In Township 109, Range 8, West of the 6<sup>th</sup> Meridian

Southwest Quarter, Section 19

**SCHEDULE 18  
RAINBOW LAKE AIRPORT VICINITY PROTECTION AREA  
LAND USE DISTRICT MAP**



**SCHEDULE 18  
RAINBOW LAKE  
AIRPORT VICINITY PROTECTION AREA  
LAND USE DISTRICT MAP**

**LEGEND**

	A-A District
	A-U District
	Airport Vicinity Protection Area
	Airport Property
	Railway
	Water
	Easement
	Boundary
	Right of Way

DATE: 11/11/11  
DRAWN BY: [Name]  
CHECKED BY: [Name]

## SCHEDULE 19

### LAND USE IN RELATION TO NOISE EXPOSURE PROTECTION AREAS

1. In this Schedule
  - (a) "C", followed by a number where it appears in one of the NEP Area columns in Table 1 opposite a particular land use means that the land use is permitted subject to the condition(s) set out in Table 2 bearing the same letter and number.
  - (b) "NA", where it appears in one of the NEP columns in Table 1 opposite a particular land use, means that the land use is not allowed and prohibited in that NEP Area.
  - (c) "P", where it appears in one of the NEP columns in Table 1 opposite a particular land use, means that the land use in that NEP Area is permitted by this regulation, thus, such a use is neither prohibited nor is a development permit for a development involving that use to be made subject to any condition under Table 2 of this Schedule in this regulation.
  - (d) "NEP 25-Area" means the NEP Area that lies between the 25 NEP Contour and the boundary of the Protection Area;
  - (e) "NEP 25-30 Area" means the NEP Area that lies between the 30 NEP Contour and the 35 NEP Contour;
  - (f) "NEP 30-35 Area" means the NEP Area that lies between the 30 NEP Contour and the 35 NEP Contour;
  - (g) "NEP 35-40 Area" means the NEP Area that lies between the 35 NEP Contour and the 40 NEP Contour;
  - (h) "NEP 40+" Area means the NEP Area enclosed by the 40 NEP Contour;
  - (i) "extensive agriculture" means the use of land or buildings for the raising or production of crops, livestock or poultry, but not restricting the generality of the foregoing does not include feedlots, intensive hog operations, bee keeping, intensive poultry or fowl operations, sod farms, plant nurseries, and landscaping, gardening and livestock yards on a small parcel of land.
  - (j) "residential replacement or infilling unit" means any new residential development that:
    - (i) will replace a residential development that has been demolished or destroyed,

or  
(ii) is to be built on a lot that is

- (a) registered under the *Land Titles Act*, and
- (b) zoned for residential development,

before the coming into force of this Regulation;

- (2) Developments existing before the passing of this regulation shall be deemed to comply with the second insulation requirements set out in this Schedule.

**SCHEDULE 19**

**TABLE 1**

**LAND USE IN RELATION TO NOISE EXPOSURE FORECAST AREAS**

**Land Uses**

**Airport Clear District A-CL**

**Noise Exposure Forecast Areas**

	NEP 25- Area	NEP 25-30 Area	NEP 30-35 Area	NEP 35-40 Area	NEP 40+ Area
Airport Runway	P	P	P	P	P

**Land Uses**

**Airport Industrial District (A-M)**

**Noise Exposure Forecast Areas**

	NEP 25- Area	NEP 25-30 Area	NEP 30-35 Area	NEP 35-40 Area	NEP 40+ Area
Airport Aircraft Hangars, Sales Maintenance and Repairs	P	P	P	P	P
Dwelling Unit for Occupancy of Operator or Caretaker of the Airport	P	P	P	P	P
Flying Club	P	C <sub>1</sub> P	C <sub>1</sub> P	C <sub>1</sub> P	C <sub>1</sub> P



**Airport Rural District (A-R)**

**Land Uses**

**Noise Exposure Forecast Areas**

	NEP 25- Area	NEP 25-30 Area	NEP 30-35 Area	NEP 35-40 Area	NEP 40+ Area
Airport and Related Facilities	P	P	P	P	P
Auto Sales	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Auto Wreckers	P	P	P	P	P
Cemetery	P	P	P	P	P
Church and Manse	P	C <sub>1</sub>	C <sub>1</sub>	NA	NA
Chemical Products Plant	P	P	NA	NA	NA
Community Centre	P	C <sub>1</sub>	C <sub>1</sub>	NA	NA
Coal Production Plant	P	P	NA	NA	NA
Contractor's Business	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Drive-in Theatre	P	P	NA	NA	NA
Extensive Recreational Uses	P	P	P	P	NA
Fish & Wildlife	P	P	P	P	P
Conservation Area Fur Farm	P	NA	NA	NA	NA
Gravel and Sand Pit	P	P	NA	NA	NA
Grain Elevators	P	P	P	P	P
Home Based Business	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Kennel	P	P	C <sub>1,2</sub>	NA	NA
Manufacture of Asphalt	P	P	NA	NA	NA
Market Gardening	P	P	P	P	NA
Minor Light Industrial Facility	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Minor Recreational Facility	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Mobile Home	P	NA	NA	NA	NA
Oil and Gas Plants	P	P	NA	NA	NA
One Family Dwelling	P	C <sub>1</sub>	NA	NA	NA
Park	P	P	P	C <sub>3</sub>	C <sub>3</sub>
Public Incinerator	P	NA	NA	NA	NA
Public and Quasi-Public Buildings and Uses	P	C <sub>1</sub>	C <sub>1</sub>	NA	NA
Radio, Television and Other Communication Tower	P	P	P	P	P
Ready Mix Concrete Pit	P	P	NA	NA	NA
Residential replacement or infilling unit	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Riding Stable	P	P	P	C <sub>3</sub>	NA
Sanitary Land Fill	NA	NA	NA	NA	NA
School	P	C <sub>1</sub>	NA	NA	NA
Seed Cleaning Plant	P	P	NA	NA	NA
Sewage Treatment Plant					

or lagoon	P	C <sub>2</sub>	C <sub>2</sub>	NA	NA
Stripping of Topsoil	P	P	P	P	NA
Thermal Electric Plant	P	P	NA	NA	NA
Veterinary Clinic	P	P	C <sub>1,2</sub>	NA	NA
Water Reservoir	P	C <sub>2</sub>	C <sub>2</sub>	NA	NA

**Airport Rural District (A-R)**

**Land Uses**

**Noise Exposure Forecast Areas**

	NEP 25- Area	NEP 25-30 Area	NEP 30-35 Area	NEP 35-40 Area	NEP 40+ Area
Residential Uses:					
Apartment Buildings	P	C <sub>1</sub>	NA	NA	NA
Basement Suite in Detached Dwelling only	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Boarding and Lodging Houses	P	C <sub>1</sub>	NA	NA	NA
One-family Dwelling	P	C <sub>1</sub>	NA	NA	NA
Duplex	P	C <sub>1</sub>	NA	NA	NA
Dwelling Unit for the Owner, Operator, or Caretaker of the Attached Use	P	C <sub>1</sub>	C <sub>1</sub>	NA	NA
Four-Plex	P	C <sub>1</sub>	NA	NA	NA
Family & Group Care Facilities	P	C <sub>1</sub>	NA	NA	NA
Group Home	P	C <sub>1</sub>	NA	NA	NA
Home Based Business	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Mobile Home	P	NA	NA	NA	NA
Multiple Housing Development	P	C <sub>1</sub>	NA	NA	NA
Residential Replacement or infilling Unit	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Row Housing	P	C <sub>1</sub>	NA	NA	NA
Senior Citizen's Housing	P	C <sub>1</sub>	NA	NA	NA
Temporary Dwelling Unit for the Owner, Operator, or Caretaker (Mobile Home)	P	P	P	P	P
Commercial and Service Uses:					
Auto Sales	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Bakery with Sales on Premises Only	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Bank, Trust Company and Credit Union	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Barber and Beauty Shops	P	P	C <sub>1</sub>	C <sub>1</sub>	NA

Bottle Return	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Café, Coffee Shop and Restaurant	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Campgrounds	P	NA	NA	NA	NA
Car Washing establishment	P	P	P	P	NA
Coin Laundries	P	P	P	C <sub>1</sub>	NA
Convenience Store	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Clinic, Medical Office, and Health Services	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Day-Care Facility, nurseries	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Drive-in Businesses	P	P	NA	NA	NA
Dressmaker and Tailor Shop	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Funeral Home and Mortuary	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Grocery Store	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Laundry and Dry Cleaners	P	P	P	C <sub>1</sub>	NA
Liquor Store	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
House Hold Appliance Sales	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Motel, Motor Hotel	P	C <sub>1</sub>	C <sub>1</sub>	NA	NA
Museums	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Offices	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Photographer	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Post Office	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Print Shop	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Radio Station	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Repair Services for Radio, T.V. and Domestic Electric Appliances	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Restaurant	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Sales and Service Outlets For Automobiles, Recreation Vehicles Trucks, Boats, Trailer and Mobile Homes	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Sales Outlet	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Sales Outlet for Buildings Supplies Sales Outlets for Commercial and Industrial Equipment and Supplies	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Service Stations and Repairs	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Shoe Repair	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Shopping Centre	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Tavern, Beverage Rooms Cabarets and Cocktail Lounges	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Tourist Information Booth	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Travel Trailer Parking Facilities	P	NA	NA	NA	NA
Veterinary Clinic	P	P	C <sub>1,2</sub>	NA	NA
Workshops	P	P	C <sub>1</sub>	C <sub>1</sub>	NA

### 3. Cultural, Recreational and Institutional Uses

Arenas and Swimming Pool	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Bus Depot	P	P	P	C <sub>1</sub>	NA
Bowling Alley and Pool Hall	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Cemetery	P	P	NA	NA	NA
Church	P	C <sub>1</sub>	C <sub>1</sub>	NA	NA
Clinic	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Drive-in Theatre	P	P	NA	NA	NA
Community Hall	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Dance Hall	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Fire Hall	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Hospital and Nursing Home	P	C <sub>1</sub>	C <sub>1</sub>	NA	NA
Library	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Natural Environment Preservation	P	P	P	P	P
Parking Facilities	P	P	P	P	P
Park Playground and Recreational Areas	P	P	P	P	P
Private Clubs and Lodges	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Public and Quasi-public Uses	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA
Public Utility Building	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Schools	P	C <sub>1</sub>	C <sub>1</sub>	NA	NA
Theatre	P	C <sub>1</sub>	C <sub>1</sub>	NA	NA

#### Industrial Uses:

Auto, Truck-and Recreational Sales, Service and Repair	P	P	P	C <sub>1</sub>	C <sub>1</sub>
Auto Wrecker and Scrap Metal Yard	P	P	P	P	P
Bulk Fuel and Fertilizer Sales and Storage	P	P	C <sub>1</sub>	NA	NA
Cartage, Freighting and Trucking Yards	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Chemical Products Plant	P	P	P	P	NA
Concrete and Cement Product Manufacture	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Feed Mills and Seed Cleaning Plants	P	P	P	NA	NA
Frozen Food Locker	P	NA	NA	NA	NA
Equipment and Machinery Sales	P	P	P	P	NA
Grain Elevator	P	P	P	NA	NA
Industrial Camp (Mobile Homes)	P	P	NA	NA	NA

Manufacturing, Packaging, and Assembly	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Municipal Shops and Storage Yard	P	P	C <sub>1</sub>	C <sub>1</sub>	NA
Manufacture of Asphalt Outdoor Storage Excluding Scrap Metal Yards and Auto Wreckers and Recycling	P	P	P	P	P
Public Incinerator	P	NA	NA	NA	NA
Repair and Contracting Services for Electrical, Sheet Metal, Glass, Plumbing, Woodworking, Automotive, Upholstery and Welding	P	P	P	C <sub>1</sub>	NA
Sewage Treatment Plant or Lagoon	P	C <sub>2</sub>	C <sub>2</sub>	C <sub>2</sub>	C <sub>2</sub>
Thermal Electric Plant	P	P	P	NA	NA
Warehousing	P	P	P	C <sub>1</sub>	NA
Water Reservoir	P	C <sub>2</sub>	C <sub>2</sub>	C <sub>2</sub>	C <sub>2</sub>
Wholesale Warehouse	P	P	P	P	P

\*Note: For "Similar or substantially similar uses" refer to section 4(3) and 4(4)

**SCHEDULE 19  
TABLE 2  
LAND USE CONDITIONS**

- C<sub>1</sub> Construction shall conform to the exterior acoustic insulation requirements of Part 11 of the *Alberta Building Code 1985* for those NEP Areas other than the NEP 25-Area unless otherwise stated in this regulation. Where this condition is specified, the Development Officer shall indicate on the Development Permit between which noise contours the proposed development site would be located for reference of the building inspector at the time of the building permit application.
- C<sub>2</sub> The development shall be covered completely.
- C<sub>3</sub> The development shall not include structures for the seating of spectators except as varied to allow for seating of a minor nature as specified in the condition.

**SCHEDULE 20  
HEIGHT LIMITATIONS  
RAINBOW LAKE AIRPORT VICINITY PROTECTION AREA**

**Basic Strip**

1. The basic strip associated with the airport runway is an area 91.4 metres in width and 1493.5 metres in length, the location of which is shown on the map in Schedule E.

**TAKE-OFF/APPROACH SURFACES**

2. There are take-off approach surfaces associated with each end of the basic strip and in each case the surface is imaginary and consists of an inclined plane that:
  - (a) commences at and abuts the end of the basic strip,
  - (b) rises at a slope ratio of 1:40 measured from the end of the basic strip,
  - (c) diverges outward on each side as it rises, at a slope ratio of 1:10 measured from the respective projected lateral limits of the basic strip, and
  - (d) ends at its intersection with the outer surface.

**TRANSITIONAL SURFACES**

3. There is a transitional surface associated with each level limit of the basic strip, and in each case the transitional surface is an imaginary surface consisting of an inclined plane that:
  - (a) commences at and abuts the lateral limit of the basic strip,
  - (b) rises at a slope ratio of 1:7 measured from the lateral limit of the basic strip, and
  - (c) ends at its intersection with the outer surface or a take-off/approach surface.

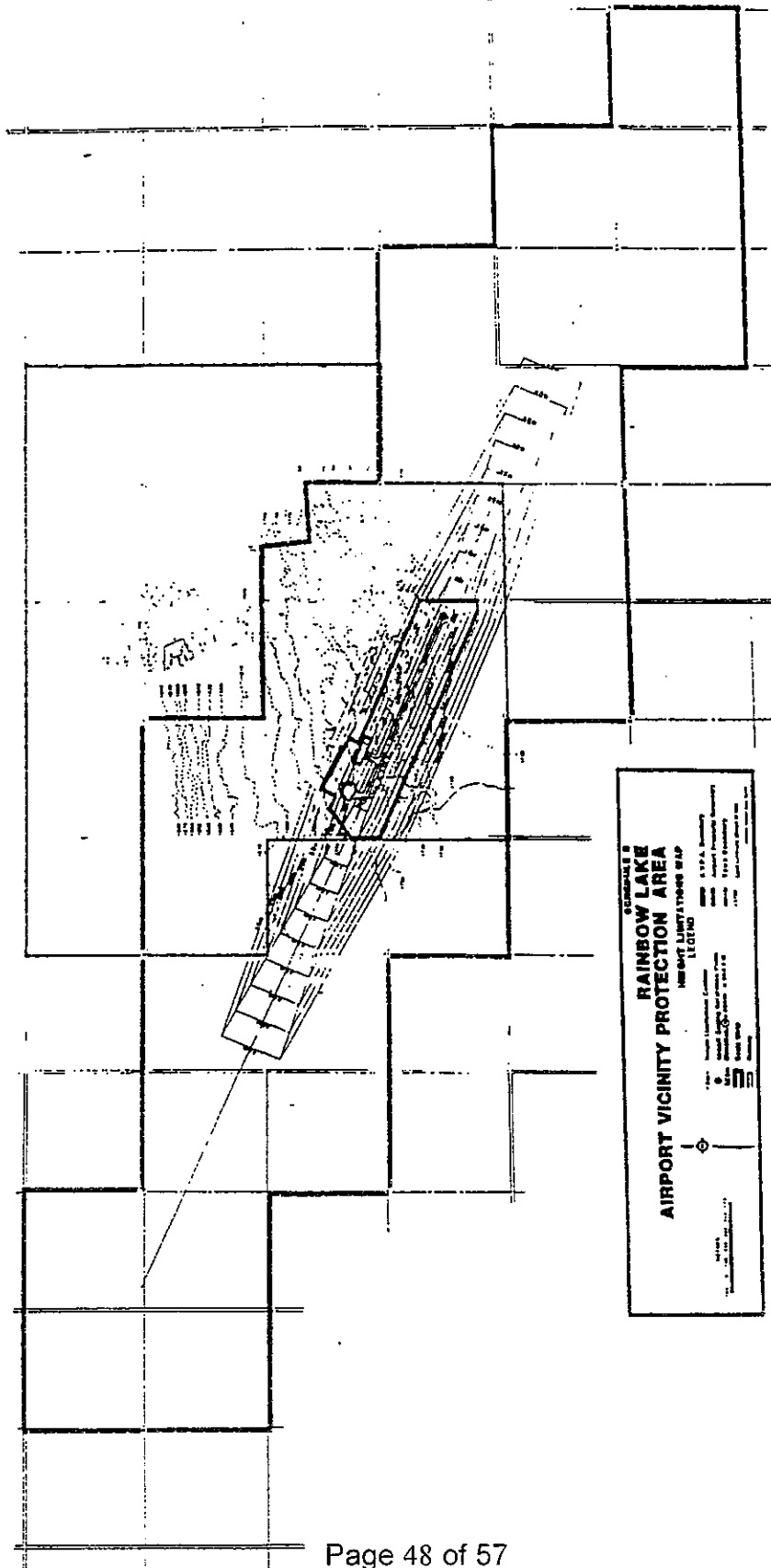
**OUTER SURFACE**

4. The outer surface of the Protection Area is an imaginary surface consisting of a common plane established at a constant elevation of 45 metres above the airport reference point elevation and extending to the outer limits of the Protection Area.

## GENERAL

5. The area location of the take-off/approach surfaces and transitional surfaces are represented on the map shown in Schedule 20, but, if any discrepancy exists between the description of the take-off/approach surfaces or transitional surfaces in this Schedule and their location on the map in Schedule 20, the description in this Schedule prevails.

SCHEDULE 21  
RAINBOW LAKE AIRPORT VICINITY PROTECTION AREA  
HEIGHT LIMITATIONS MAP





## 8.0 ZAMA AIRPORT VICINITY PROTECTION AREA REGULATION

### SCHEDULE 22

#### ZAMA AIRPORT VICINITY PROTECTION AREA

The Zama Airport Vicinity Protection Area consists of the land described below:

In Township 117, Range 5, West of the 6<sup>th</sup> Meridian:

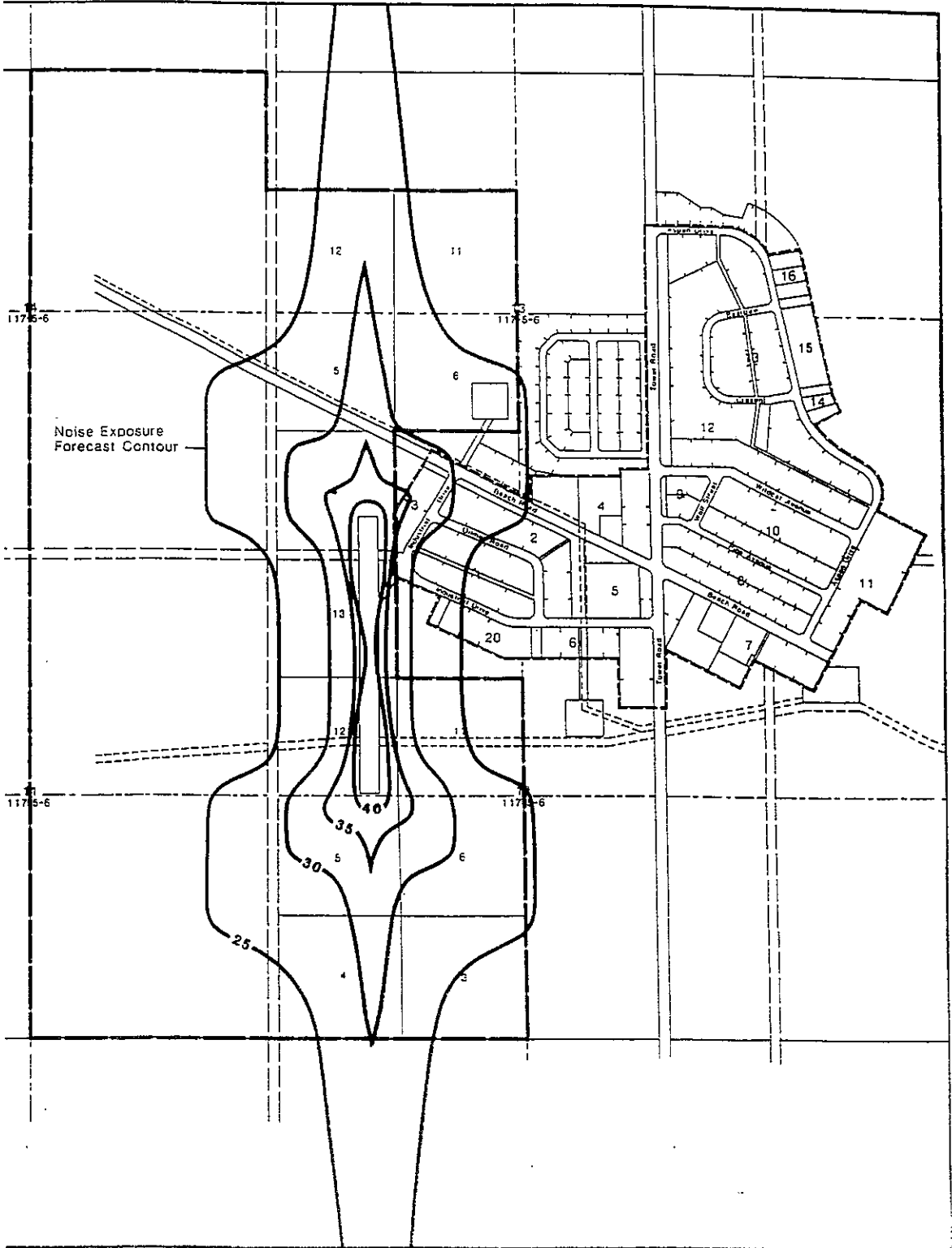
LSD 3,4,5,6,11,12,13, Section 12

LSD 4,5,6,11,12, Section 13

East Half Section 14

East Half section 11

**SCHEDULE 23  
ZAMA AIRPORT VICINITY PROTECTION AREA  
LAND USE DISTRICT MAP**



## SCHEDULE 24

### LAND USE IN RELATION TO NOISE EXPOSURE FORECAST AREAS

1. In this Schedule
  - (a) "C", followed by a number where it appears in one of the NEF Area (noise exposure forecast area) columns in Table 1 opposite a particular land use means that the land use is permitted subject to the condition(s) set out in Table 2 bearing the same letter and number.
  - (b) "NA", where it appears in one of the NEF columns in Table 1 opposite a particular land use, means that the land use is not allowed and prohibited in that NEF Area.
  - (c) "P", where it appears in one of the NEF columns in Table 1 opposite a particular land use, means that the land use in that NEF Area is permitted by this regulation, thus, such a use is neither prohibited nor is a development permit for a development involving that use to be made subject to any condition under Table 2 of this Schedule in this regulation.
  - (d) "NEF 25-Area" means the NEF Area that lies between the 25 NEF Contour and the boundary of the Protection Area;
  - (e) "NEF 25-30 Area" means the NEF Area that lies between the 30 NEF Contour and the 35 NEF Contour;
  - (f) "NEF 30-35 Area" means the NEF Area that lies between the 30 NEF Contour and the 35 NEF Contour;
  - (g) "NEF 35-40 Area" means the NEF Area that lies between the 35 NEF Contour and the 40 NEF Contour;
  - (h) "NEF 40+" Area means the NEF Area enclosed by the 40 NEF Contour;
  - (i) "extensive agriculture" means the use of land or buildings for the raising or production of crops, livestock or poultry, but not restricting the generality of the foregoing does not include feedlots, intensive hog operations, bee keeping, intensive poultry or fowl operations, sod farms, plant nurseries, and landscaping, gardening and livestock yards on a small parcel of land.
  - (j) "residential replacement or infilling unit" means any new residential development that:
    - (i) will replace a residential development that has been demolished or destroyed,

- or
- (ii) is to be built on a lot that is
  - (a) registered under the *Land Titles Act*, and
  - (b) zoned for residential development,

before the coming into force of this Regulation;

- (2) Developments existing before the passing of this regulation shall be deemed to comply with the second insulation requirements set out in this Schedule.

## SCHEDULE 24

### TABLE 1

#### LAND USE IN RELATION TO NOISE EXPOSURE FORECAST AREAS

<u>Land Uses</u>	<u>Airport Clear District A-CL</u>				
	<u>Noise Exposure Forecast Areas</u>				
	NEF 25- Area	NEF 25-30 Area	NEF 30-35 Area	NEF 35-40 Area	NEF 40+ Area
Airport Runway	P	P	P	P	P

<u>Land Uses</u>	<u>Airport Rural District (A-R)</u>				
	<u>Noise Exposure Forecast Areas</u>				
	NEF 25- Area	NEF 25-30 Area	NEF 30-35 Area	NEF 35-40 Area	NEF 40+ Area
Single Family Residence	P	C <sub>1</sub>	NA	NA	NA
Home Based Business	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Golf Course	P	P	P	P	P
Community Centre (Hall)	P	P	P	NA	NA
Industrial Plant	C	C	C	C	C
Landfill Site	C	C	C	C	C
Gravel Pit	P	P	P	P	P
Stripping of Topsoil	P	P	P	P	P
Veterinary Clinic	P	P	C <sub>1,2</sub>	NA	NA
Public Utility Building	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>

Sewage Lagoon	C	C	C	C	C
Radio, Television Tower	P	P	P	P	P
Church	P	C <sub>1</sub>	C <sub>1</sub>	NA	NA
Kennel	P	P	C <sub>1,2</sub>	NA	NA
Highway Maintenance Yard	P	P	P	P	P
School	P	C <sub>1</sub>	NA	NA	NA
Minor Recreational Facility	P	P	P	C <sub>2,3</sub>	NA
Bulk Oil Supplies	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Contractor's Business	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Auto Wrecker	P	P	P	P	P
Pipe And Equipment Storage	P	P	P	P	P
Gasoline Service Station	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Post Office	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Retail Store	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Game Farm	P	P	P	P	NA
Ranger Cabin	P	C <sub>1</sub>	NA	NA	NA
Tradesman's Business	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Public Buildings	P	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Water Reservoir	C	C	C	C	C
Ancillary Buildings	AS PER PRIMARY USE				
Sawmills	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
Residential Replacement Infilling Unit	P	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	NA

## SCHEDULE 24

### TABLE 2

#### LAND USE CONDITIONS

- C<sub>1</sub> Construction shall conform to the exterior acoustic insulation requirements of Part 11 of the *Alberta Building Code 1985* for those NEF Areas other than the NEF 25-Area unless otherwise stated in this regulation. Where this condition is specified, the Development Officer shall indicate on the Development Permit between which noise contours the proposed development site would be located for reference of the building inspector at the time of the building permit application.
- C<sub>2</sub> The development shall be covered completely.
- C<sub>3</sub> The development shall not include structures for the seating of spectators except as varied to allow for seating of a minor nature as specified in the condition.

**SCHEDULE 25  
HEIGHT LIMITATIONS  
ZAMA AIRPORT VICINITY PROTECTION AREA**

**Basic Strip**

1. The basic strip associated with the airport runway is an area 14 metres in width and 812 metres in length, the location of which is shown on the map in Schedule E.

**TAKE-OFF/APPROACH SURFACES**

2. There are take-off approach surfaces associated with each end of the basic strip and in each case the surface is imaginary and consists of an inclined plane that:
  - (a) commences at and abuts the end of the basic strip,
  - (b) rises at a slope ratio of 1:40 measured from the end of the basic strip,
  - (c) diverges outward on each side as it rises, at a slope ratio of 1:10 measured from the respective projected lateral limits of the basic strip, and
  - (d) ends at its intersection with the outer surface.

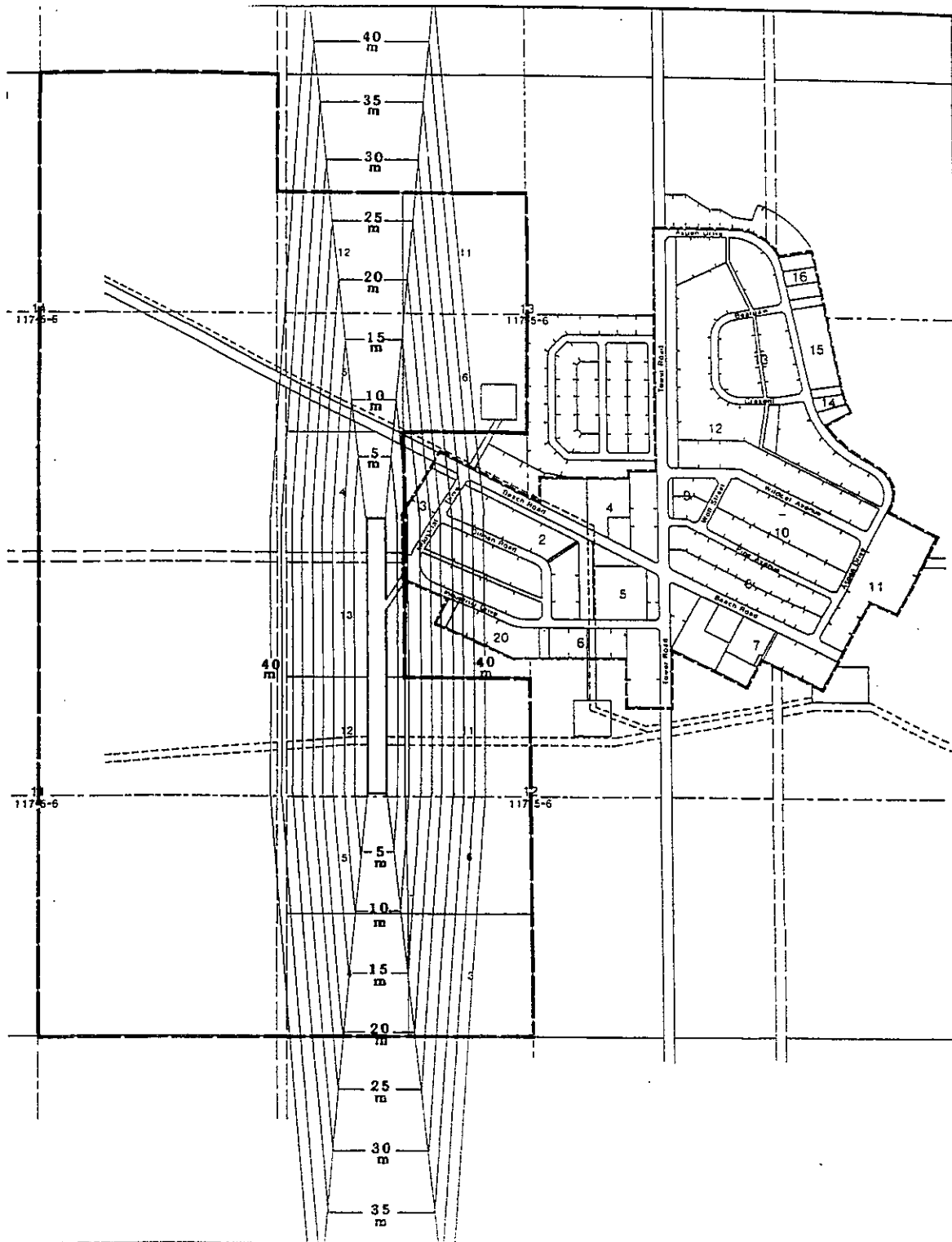
**TRANSITIONAL SURFACES**

3. There is a transitional surface associated with each level limit of the basic strip, and in each case the transitional surface is an imaginary surface consisting of an inclined plane that:
  - (a) commences at and abuts the lateral limit of the basic strip,
  - (b) rises at a slope ratio of 1:7 measured from the lateral limit of the basic strip, and
  - (c) ends at its intersection with the outer surface or a take-off/approach surface.

**OUTER SURFACE**

4. The outer surface of the Protection Area is an imaginary surface consisting of a common plane established at a constant elevation of 45 metres above the airport reference point elevation and extending to the outer limits of the Protection Area.

**SCHEDULE 26  
ZAMA AIRPORT VICINITY PROTECTION AREA  
HEIGHT LIMITATIONS MAP**



**MUNICIPAL DISTRICT NO. 23  
LAND USE BYLAW**

**Metric Conversion Chart**

<b>From:</b>	<b>To:</b>	<b>Multiply By:</b>
feet	meters	.3048
meters	feet	3.2808
acres	hectares	.4048
hectares	acres	2.47

Note: Final decision on the interpretation of imperial-metric conversions are subject to the approval of the Municipal District.



**9.0 EFFECTIVE DATE**

This Bylaw 463/04 shall come into effect upon the date of the third reading thereof.

First Reading given on the \_\_\_\_\_ day of \_\_\_\_\_, 2004.

\_\_\_\_\_  
Bill Neufeld, Reeve

\_\_\_\_\_  
Barbara Spurgeon, Executive Assistant

Second Reading given on the \_\_\_\_\_ day of \_\_\_\_\_, 2004.

\_\_\_\_\_  
Bill Neufeld, Reeve

\_\_\_\_\_  
Barbara Spurgeon, Executive Assistant

Third Reading given on the \_\_\_\_\_ day of \_\_\_\_\_, 2004.

\_\_\_\_\_  
Bill Neufeld, Reeve

\_\_\_\_\_  
Barbara Spurgeon, Executive Assistant

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