94°-25'-00"

94°-20'-00"

94°-15'-00"

46°-00'-00"

45°-55'-00"

A GREEN PRAIRIE BM

BM 1142

BELLE PRAIRIE

LITTLE FALLS

RADIO TOWER 1680

Anderson Lake

ELEV. 1471

SURFACE

1450

1400

1350

1300

Pike Creek Town Hall

Our Lady of Lourdes Cemetery

Pike

Pike Creek

Flam Grove Park

Mill Island

ELEV. 1368.8

ELEV. 1370

Popple Lake

APPROX. LOCATION TOWER 1567

LINDBERGH STATE PARK

C R E E K

7:1 TRANSITIONAL SURFACE

Sand Lake

HORIZONTAL SURFACE ELEV. 1271

Shays Island

Bullhead Lake

TREES ON HILL 1419 (CONTROLLING OBSTACLE TO RUNWAY 30 M.P.I. APPROACH)

L I T T L E F A L L S

6000' (TYP.)

4000' (TYP.)

40:1 APPROACH SURFACE 10,000' (BOTH ENDS)

PRIMARY SURFACE

RWY. 12-30

BURLINGTON

NORTHERN

Swan River

PIKE LAKE

ELEV. 1367

BM 1231

1300

1350

20:1 CONICAL SURFACE

1400

1450

ELEV. 1471

ELEV. 1371

3500' (TYP.)

RWY. 30

1180

RIVER

GRAPHIC SCALE IN FEET

0 1000 3000 1000 4000 5000

NOTES:

1. ALL ELEVATIONS ARE FEET ABOVE MEAN SEA LEVEL
2. ESTABLISHED AIRPORT ELEVATION 1121 M.S.L.
3. THE MORE RESTRICTIVE OF APPLICABLE FEDERAL OR STATE CRITERIA HAVE BEEN UTILIZED THROUGHOUT.
4. IMAGINARY SURFACES CONTOUR INTERVAL IS 50 FEET.

BY	DATE	CHANGE
DBH	8-8-77	NEW ALIGNMENT - Runway 8-26
DBK	4-6-83	REVISED TO AIRSPACE ZONING PLAN

REVISIONS

WIDSETH SMITH NOLTING & ASSOCIATES, INC.
ENGINEERS, ARCHITECTS, & LAND SURVEYORS
CROOKSTON 218-281-6282 · BRAINERD 218-829-5117 · ALEXANDRIA 612-762-8149

LITTLE FALLS – MORRISON COUNTY AIRPORT COMMISSION

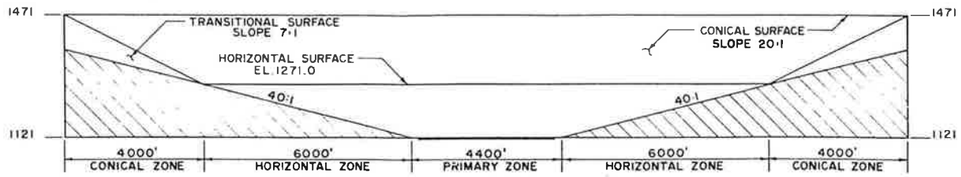
LITTLE FALLS MORRISON COUNTY AIRPORT

AIRSPACE ZONING PLAN

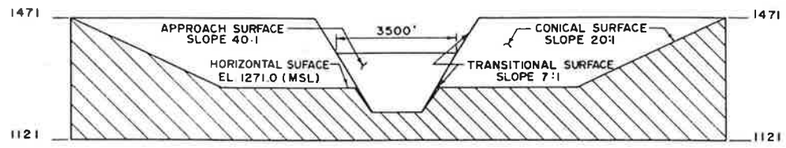
Drawn MAO
Date 2/8/77
Checked RMS
Date 2/8/77

R. DIXON SPEAS ASSOCIATES INC.
Aviation Consultants Minneapolis, Minnesota
and
TOLTZ, KING, DUVALL, ANDERSON, ASSOCIATES INC.
Engineers & Architects Saint Paul, Minnesota

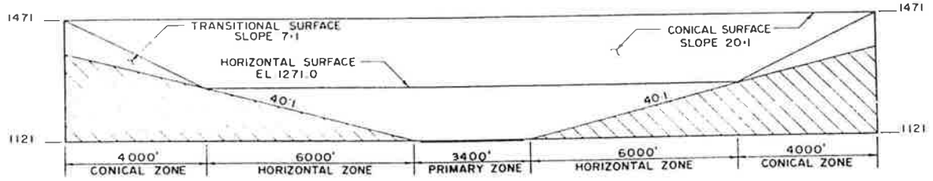
Sheet 1 of 3 Sheets



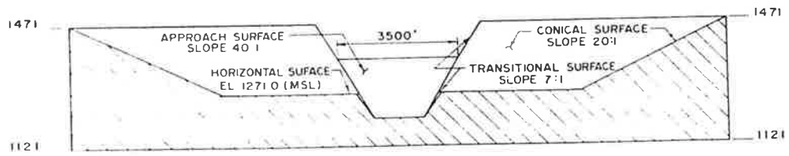
SECTION A-A
HORIZ SCALE: 1" = 2000'
VERT. SCALE: 1" = 200'



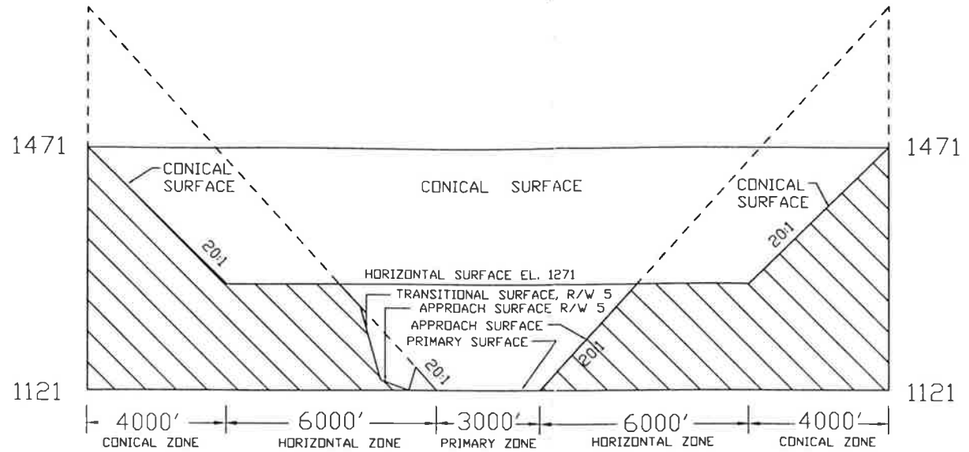
SECTION B-B
HORIZ. SCALE: 1" = 2000'
VERT. SCALE: 1" = 200'



SECTION C-C
HORIZ SCALE: 1" = 2000'
VERT. SCALE: 1" = 200'

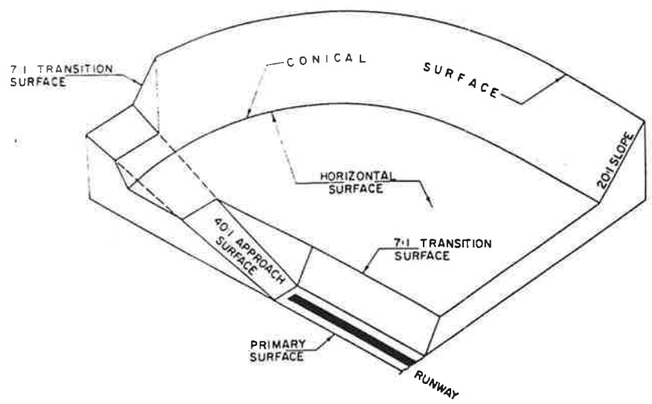


SECTION D-D
HORIZ. SCALE: 1" = 2000'
VERT. SCALE: 1" = 200'



SECTION E-E

HOR. SCALE : 1" = 2000'
VERT. SCALE 1" = 100'



PERSPECTIVE VIEW SHOWING IMAGINARY SURFACES
NO SCALE

DATE	REVISIONS	DESCRIPTION	BY

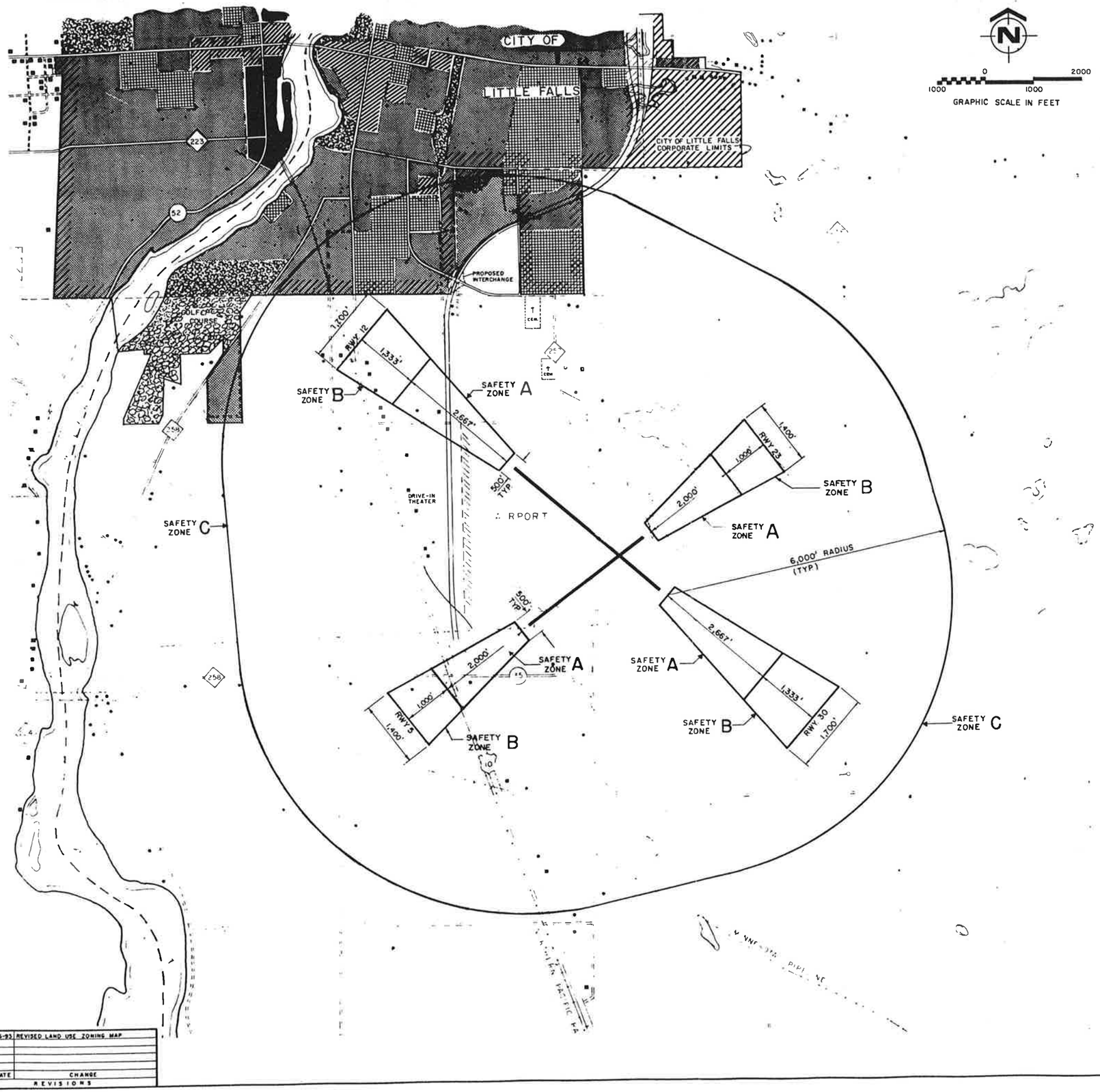
AIRPORT ZONING PLANS

WIDSETH SMITH NOLTING & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS

DATE 7-9-83
SCALE VARIES
DRAWN BY W.M.P.
CHECKED BY D.B.K

AIRSPACE SECTIONS

JOB NO. | DRWG NO. | SHEET 2 OF 3



N

0 1000 2000

GRAPHIC SCALE IN FEET

LAND USE CODING WITHIN LITTLE FALLS CORPORATE LIMITS

AGRICULTURAL – Includes farming, farmsteads, scattered non-farm residential, undeveloped land and water.

RESIDENTIAL – Includes concentrated areas of single family, multifamily, mobile homes and related uses.

COMMERCIAL – Includes retail and wholesale trade, personal and business services, hotels-motels and related uses.

INDUSTRIAL – Includes manufacturing, transporation, communication, utilities, extraction (E) and related uses.

PUBLIC & QUASI-PUBLIC – Includes governmental (G), educational medical, religious cemeteries and related uses.

OUTDOOR RECREATION – Includes parks, playgrounds, golf courses, and related uses.

Land uses outside of little falls corporate limits.

- Residential
- Non-Residential

GUIDELINES FOR OFF AIRPORT LAND USE PLANNING

AIRSPACE ZONES

No structure or tree shall be constructed, altered, maintained or allowed to grow in such a manner so as to project above any of the imaginary surfaces depicted on sheet 1 of 3.

SAFETY ZONES

No use shall be made of any land in any of the safety zone areas depicted on this drawing which would create or cause interference with the operations of radio or electronic facilities on the airport or with radio or electronic communications between the airport and aircraft, makes it difficult for pilots to distinguish between airport lights and other lights, results in glare in the eyes of the pilots using the airport, impairs visibility in the vicinity of the airport, or otherwise endangers the landing, taking off, or maneuvering of aircraft.

Additional restrictions within zones A and B are as follows.

ZONE A shall contain no buildings, temporary structures, exposed transmission lines, or other similar above ground land use structural hazards, and shall be restricted to those uses which will not create, attract, or bring together an assembly thereon. Permitted uses may include agriculture (seasonal crops) horticulture, animal husbandry, raising of livestock, wildlife habitat, light outdoor recreation (nonspectator), cemeteries and auto parking.

ZONE B shall be restricted such that.

1. Each use shall be on a site whose area is not less than three acres.
2. Each use shall not create, attract, or bring together a site population that would exceed 15 times that of the site acreage.
3. Each site shall have no more than one building plot upon which any number of structures may be erected.
4. A building plot shall be a single, uniform and non-contrived area, whose shape is uncomplicated and whose area shall not exceed the following ratios with respect to the total site area.

Site area (acres) At least	Site area (acres) But less than	Site bldg. ratio	Bldg. plot (sq. ft.)	Max site population
3	4	12:1	10,900	45
4	6	10:1	17,400	60
6	10	8:1.	32,600	90
10	20	6:1	72,500	150
20	and-up	4:1	218,000	300

5. The following uses are specifically prohibited: churches, hospitals, schools, theaters, stadiums, hotels and motels, trailer courts, camp grounds, and other places of assembly.

BY	DATE	CHANGE
DRK	4-6-93	REVISED LAND USE ZONING MAP

REVISIONS

WIDSETH SMITH NOLTING & ASSOCIATES, INC.
ENGINEERS, ARCHITECTS, & LAND SURVEYORS
CROOKSTON 218-281-6822 · BRAINERD 218-829-2317 · ALEXANDRIA 612-762-0349

LITTLE FALLS – MORRISON COUNTY AIRPORT COMMISSION

LITTLE FALLS–MORRISON COUNTY AIRPORT

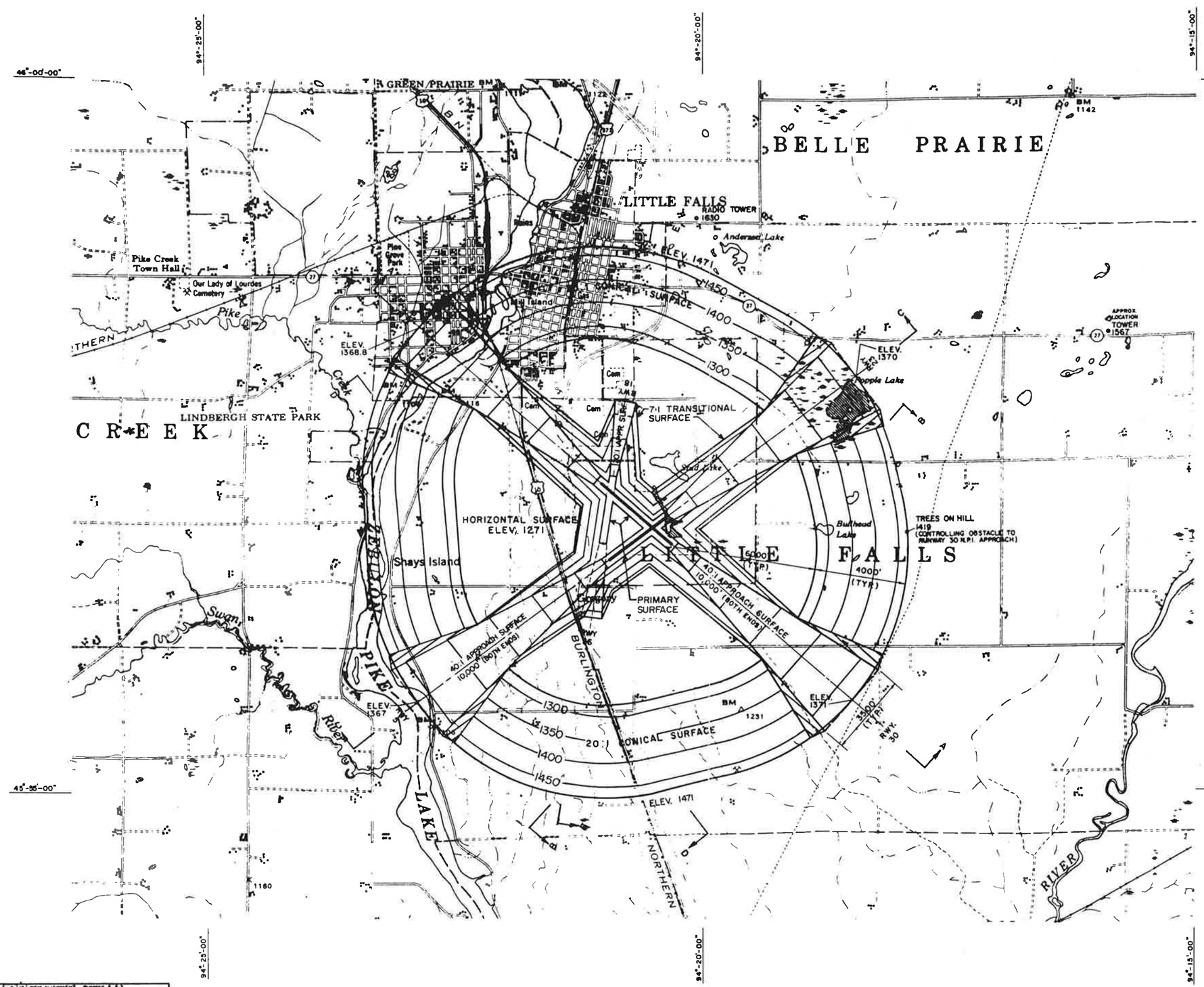
LAND USE ZONING MAP

Drawn J.F.A. Date 2/8/77

Checked R.M.S. Date 2/8/77

R. DIXON SPEAS ASSOCIATES INC. Aviation Consultants Minneapolis, Minnesota and TOLTZ, KING, DUVALL, ANDERSON, ASSOCIATES INC. Engineers & Architects Saint Paul, Minnesota

Sheet 3 of 3 Sheets



BY	DATE	CHANGE
DBK	2-8-77	NEW ALIGNMENT - RUNWAY 5-23
DBK	4-6-93	REVISED TO AIRSPACE ZONING PLAN

REVISIONS

WIDSETH SMITH NOLTING & ASSOCIATES, INC.
ENGINEERS, ARCHITECTS, & LAND SURVEYORS
CROOKSTON 218-281-6382 · BRAINERD 218-829-0117 · ALEXANDRIA 612-762-8149

LITTLE FALLS – MORRISON COUNTY AIRPORT COMMISSION

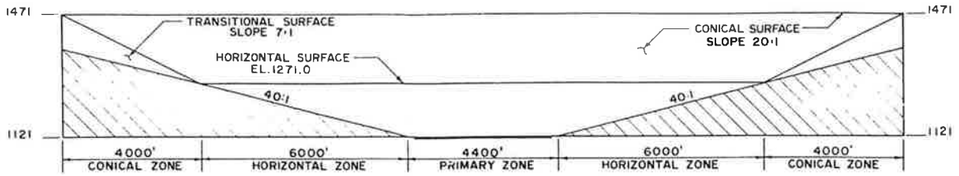
LITTLE FALLS MORRISON COUNTY AIRPORT

AIRSPACE ZONING PLAN

Drawn M.A.G. · Date 2/8/77 · Checked R.M.S · Date 2/8/77

R. DIXON SPEAS ASSOCIATES INC. Aviation Consultants Minneapolis, Minnesota
and
TOLTZ, KING, DUVALL, ANDERSON, ASSOCIATES INC. Engineers & Architects Saint Paul, Minnesota

Sheet 1 of 3 Sheets



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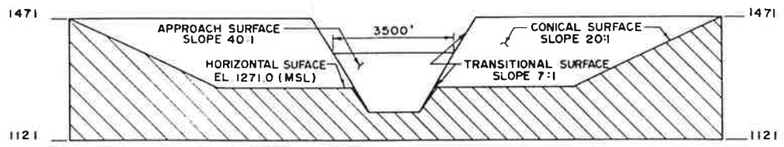
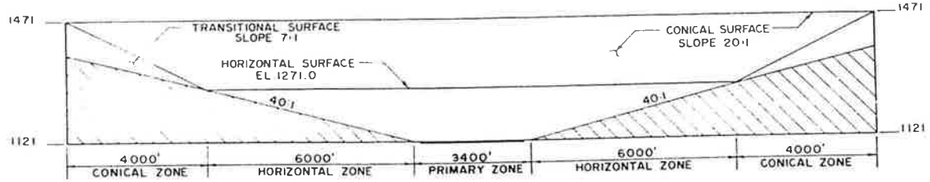


SECTION B-B

HORIZ. SCALE: 1" = 2000'
VERT. SCALE: 1" = 200'



SECTION C-C

HORIZ SCALE: 1" = 2000'
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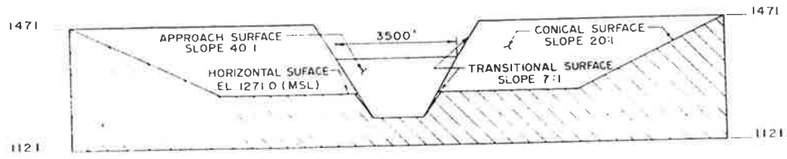
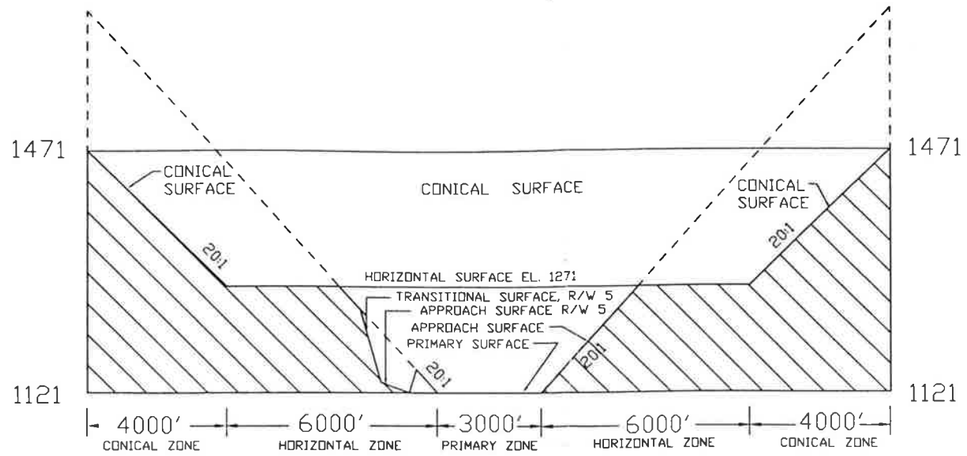


SECTION D-D

HORIZ. SCALE: 1" = 2000'
VERT. SCALE: 1" = 200'



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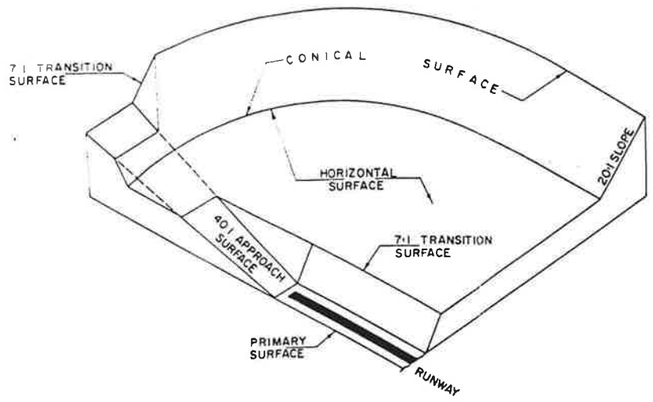


PERSPECTIVE VIEW SHOWING IMAGINARY SURFACES

NO SCALE

DATE	REVISIONS	DESCRIPTION	BY

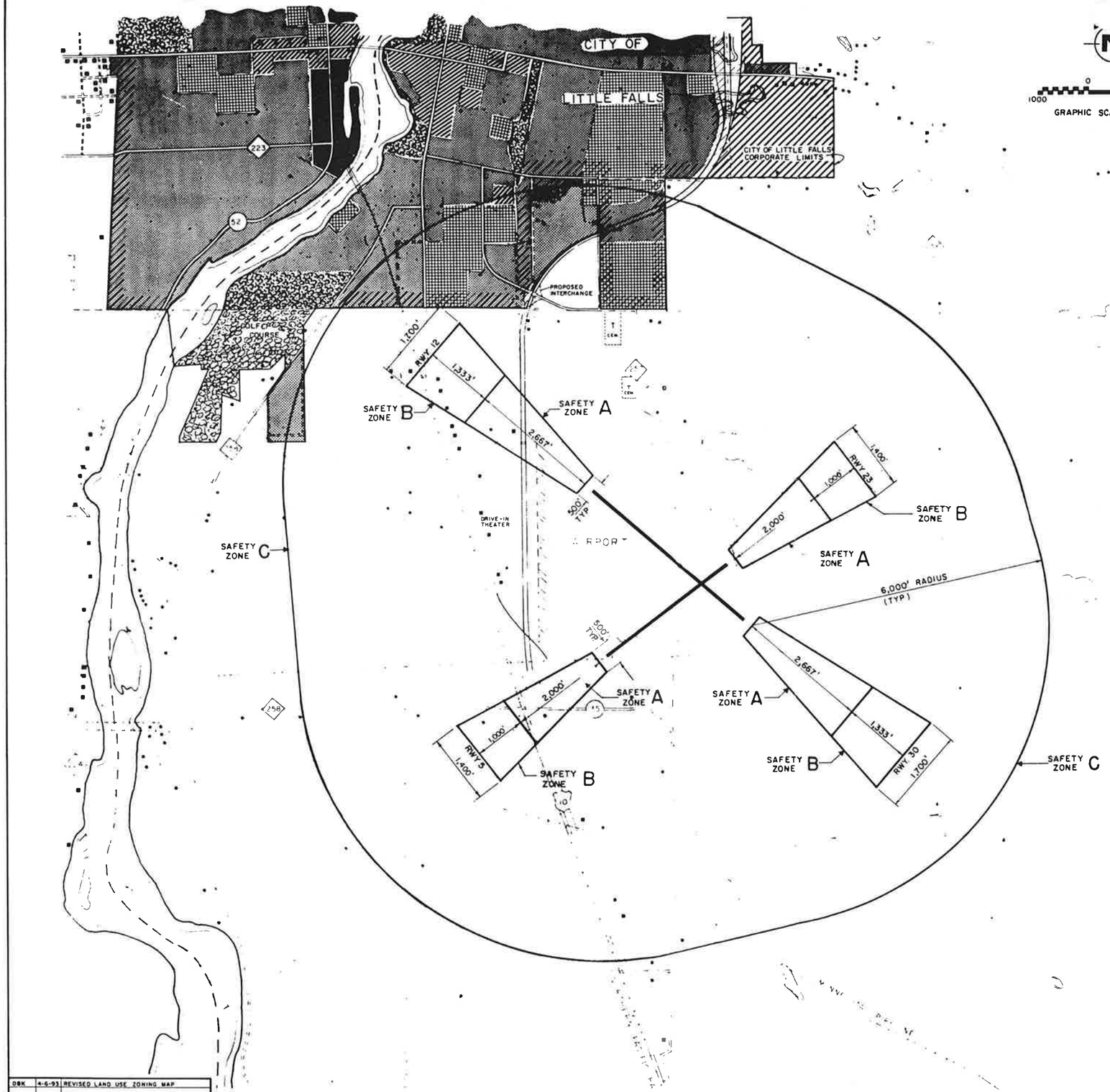
AIRPORT ZONING PLANS

WIDSETH SMITH NOLTING & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS

DATE 7-9-93
SCALE VARIES
DRAWN BY W.M.P.
CHECKED BY D.B.K.

AIRSPACE SECTIONS

JOB NO. | DRWG. NO. | SHEET 2 OF 3



N

0 2000

1000 1000

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BY	DATE	CHANGE
DBK	4-6-93	REVISED LAND USE ZONING MAP

REVISIONS

WIDSETH SMITH NOLTING & ASSOCIATES, INC.
ENGINEERS, ARCHITECTS, & LAND SURVEYORS
CROOKSTON 218-281-6823 · BRAINERD 218-829-0117 · ALEXANDRIA 612-762-8149

LITTLE FALLS – MORRISON COUNTY AIRPORT COMMISSION

LITTLE FALLS-MORRISON COUNTY AIRPORT

LAND USE ZONING MAP

Drawn J.F.A.
Date 2/8/77
Checked D.M.S.
Date 2/8/77

R. DIXON SPEAS ASSOCIATES INC.
Aviation Consultants Minneapolis, Minnesota
and
TOLTZ, KING, DUVALL, ANDERSON, ASSOCIATES INC.
Engineers & Architects Saint Paul, Minnesota

Sheet 3 of 3 Sheets