

ALL WEATHER WIND ROSES

LOCATION: PAWTUCKET, RI  
SOURCE: NATIONAL WEATHER RECORDS CENTER  
PERIOD: JAN 1999 - DEC 2008

VFR

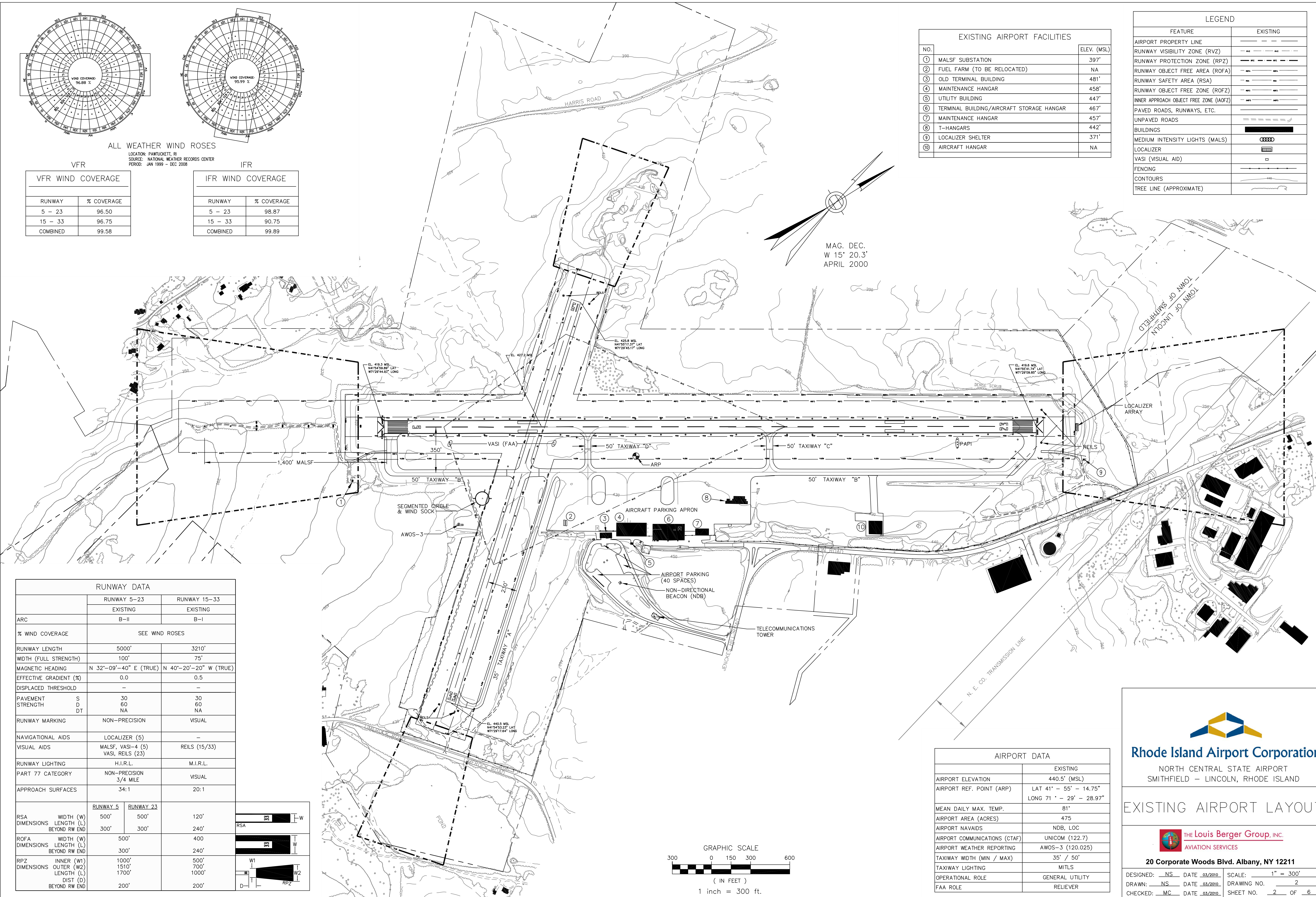
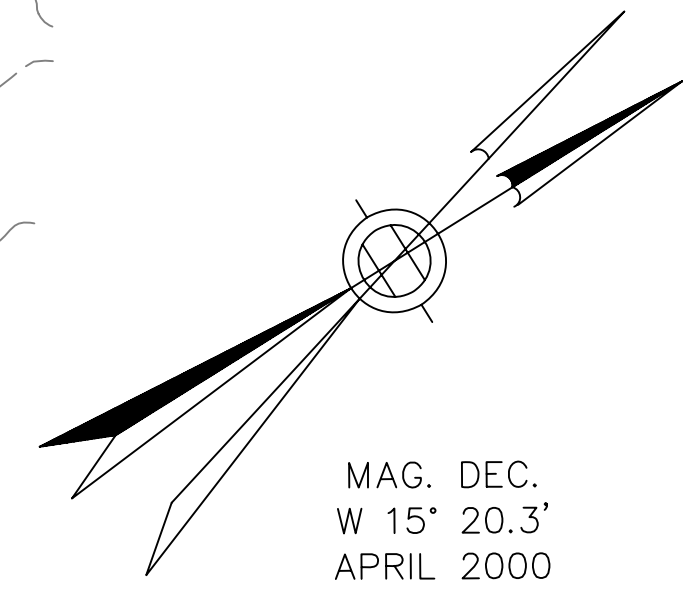
IFR

| VFR WIND COVERAGE |            |
|-------------------|------------|
| RUNWAY            | % COVERAGE |
| 5 - 23            | 96.50      |
| 15 - 33           | 96.75      |
| COMBINED          | 99.58      |

| IFR WIND COVERAGE |            |
|-------------------|------------|
| RUNWAY            | % COVERAGE |
| 5 - 23            | 98.87      |
| 15 - 33           | 90.75      |
| COMBINED          | 99.89      |

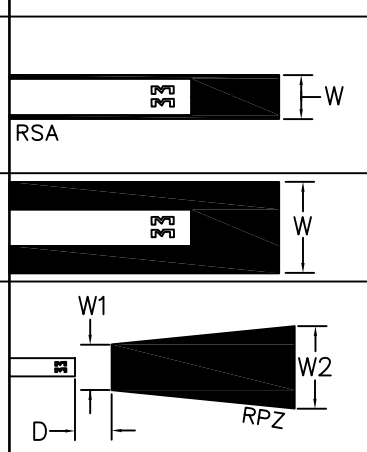
| EXISTING AIRPORT FACILITIES |   |             |
|-----------------------------|---|-------------|
| NO.                         | DESCRIPTION                               | ELEV. (MSL) |
| ①                           | MALSF SUBSTATION                          | 397'        |
| ②                           | FUEL FARM (TO BE RELOCATED)               | NA          |
| ③                           | OLD TERMINAL BUILDING                     | 481'        |
| ④                           | MAINTENANCE HANGAR                        | 458'        |
| ⑤                           | UTILITY BUILDING                          | 447'        |
| ⑥                           | TERMINAL BUILDING/AIRCRAFT STORAGE HANGAR | 467'        |
| ⑦                           | MAINTENANCE HANGAR                        | 457'        |
| ⑧                           | T-HANGARS                                 | 442'        |
| ⑨                           | LOCALIZER SHELTER                         | 371'        |
| ⑩                           | AIRCRAFT HANGAR                           | NA          |

| LEGEND                                  |          |
|---|----------|
| FEATURE                                 | EXISTING |
| AIRPORT PROPERTY LINE                   | ---      |
| RUNWAY VISIBILITY ZONE (RVZ)            | ----     |
| RUNWAY PROTECTION ZONE (RPZ)            | ----     |
| RUNWAY OBJECT FREE AREA (ROFA)          | ----     |
| RUNWAY SAFETY AREA (RSA)                | ----     |
| RUNWAY OBJECT FREE ZONE (ROFZ)          | ----     |
| INNER APPROACH OBJECT FREE ZONE (IAOFZ) | ----     |
| PAVED ROADS, RUNWAYS, ETC.              | ----     |
| UNPAVED ROADS                           | ----     |
| BUILDINGS                               | █        |
| MEDIUM INTENSITY LIGHTS (MALS)          | □        |
| LOCALIZER                               | ▬        |
| VASI (VISUAL AID)                       | □        |
| FENCING                                 | ----     |
| CONTOURS                                | ----     |
| TREE LINE (APPROXIMATE)                 | ----     |

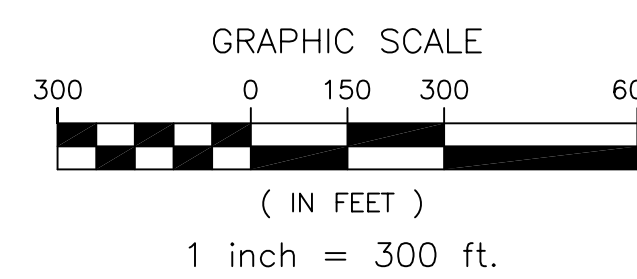


| RUNWAY DATA            |                                       |                        |
|------------------------|---------------------------------------|------------------------|
|                        | RUNWAY 5-23                           | RUNWAY 15-33           |
| ARC                    | EXISTING<br>B-II                      | EXISTING<br>B-I        |
| % WIND COVERAGE        | SEE WIND ROSES                        |                        |
| RUNWAY LENGTH          | 5000'                                 | 3210'                  |
| WIDTH (FULL STRENGTH)  | 100'                                  | 75'                    |
| MAGNETIC HEADING       | N 32°-09'-40" E (TRUE)                | N 40°-20'-20" W (TRUE) |
| EFFECTIVE GRADIENT (%) | 0.0                                   | 0.5                    |
| DISPLACED THRESHOLD    | -                                     | -                      |
| PAVEMENT STRENGTH      | S 30<br>D 60<br>DT NA                 | S 30<br>D 60<br>DT NA  |
| RUNWAY MARKING         | NON-PRECISION                         | VISUAL                 |
| NAVIGATIONAL AIDS      | LOCALIZER (5)                         | -                      |
| VISUAL AIDS            | MALSF, VASI-4 (5)<br>VASI, REILS (23) | REILS (15/33)          |
| RUNWAY LIGHTING        | H.I.R.L.                              | M.I.R.L.               |
| PART 77 CATEGORY       | NON-PRECISION<br>3/4 MILE             | VISUAL                 |
| APPROACH SURFACES      | 34:1                                  | 20:1                   |

|                 | RUNWAY 5   | RUNWAY 23             |              |
|-----------------|--|-----------------------|--------------|
| RSA DIMENSIONS  | WIDTH (W) 500'<br>LENGTH (L) 300'<br>BEYOND RW END                                 | 500'<br>300'          | 120'<br>240' |
| ROFA DIMENSIONS | WIDTH (W) 500'<br>LENGTH (L) 300'<br>BEYOND RW END                                 | 500'<br>300'          | 400'<br>240' |
| RPZ DIMENSIONS  | INNER (W1) 1000'<br>OUTER (W2) 1510'<br>LENGTH (L) 1700'<br>DIST (D) BEYOND RW END | 500'<br>700'<br>1000' | 200'<br>200' |



| AIRPORT DATA                  |   |
|-------------------------------|---|
|                               | EXISTING  |
| AIRPORT ELEVATION             | 440.5' (MSL)                                      |
| AIRPORT REF. POINT (ARP)      | LAT 41° - 55' - 14.75"<br>LONG 71° - 29' - 28.97" |
| MEAN DAILY MAX. TEMP.         | 81°   |
| AIRPORT AREA (ACRES)          | 475   |
| AIRPORT NAVAIDS               | NDB, LOC  |
| AIRPORT COMMUNICATIONS (CTAF) | UNICOM (122.7)                                    |
| AIRPORT WEATHER REPORTING     | AWOS-3 (120.025)                                  |
| TAXIWAY WIDTH (MIN / MAX)     | 35' / 50'   |
| TAXIWAY LIGHTING              | MITLS   |
| OPERATIONAL ROLE              | GENERAL UTILITY                                   |
| FAA ROLE                      | RELIEVER  |



**Rhode Island Airport Corporation**  
NORTH CENTRAL STATE AIRPORT  
SMITHFIELD - LINCOLN, RHODE ISLAND

EXISTING AIRPORT LAYOUT

**The Louis Berger Group, Inc.**  
AVIATION SERVICES

20 Corporate Woods Blvd. Albany, NY 12211

DESIGNED: NS DATE 03/2010 SCALE: 1" = 300'  
DRAWN: NS DATE 03/2010 DRAWING NO. 2  
CHECKED: MC DATE 03/2010 SHEET NO. 2 OF 6