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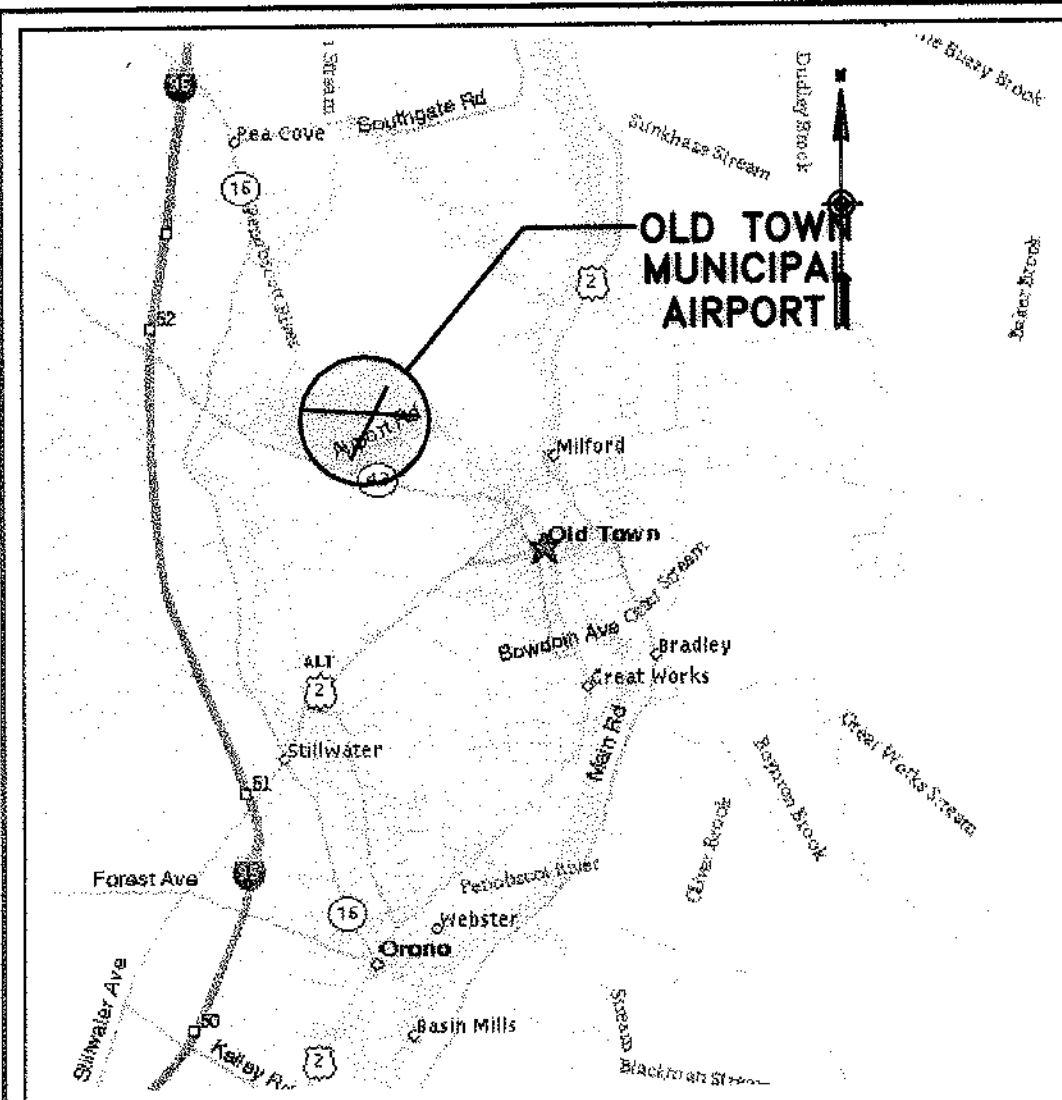
Transportation

12-1-2002

Old Town Municipal Airport, Old Town, Maine : Master Plan Update, December 2002

Maine Department of Transportation

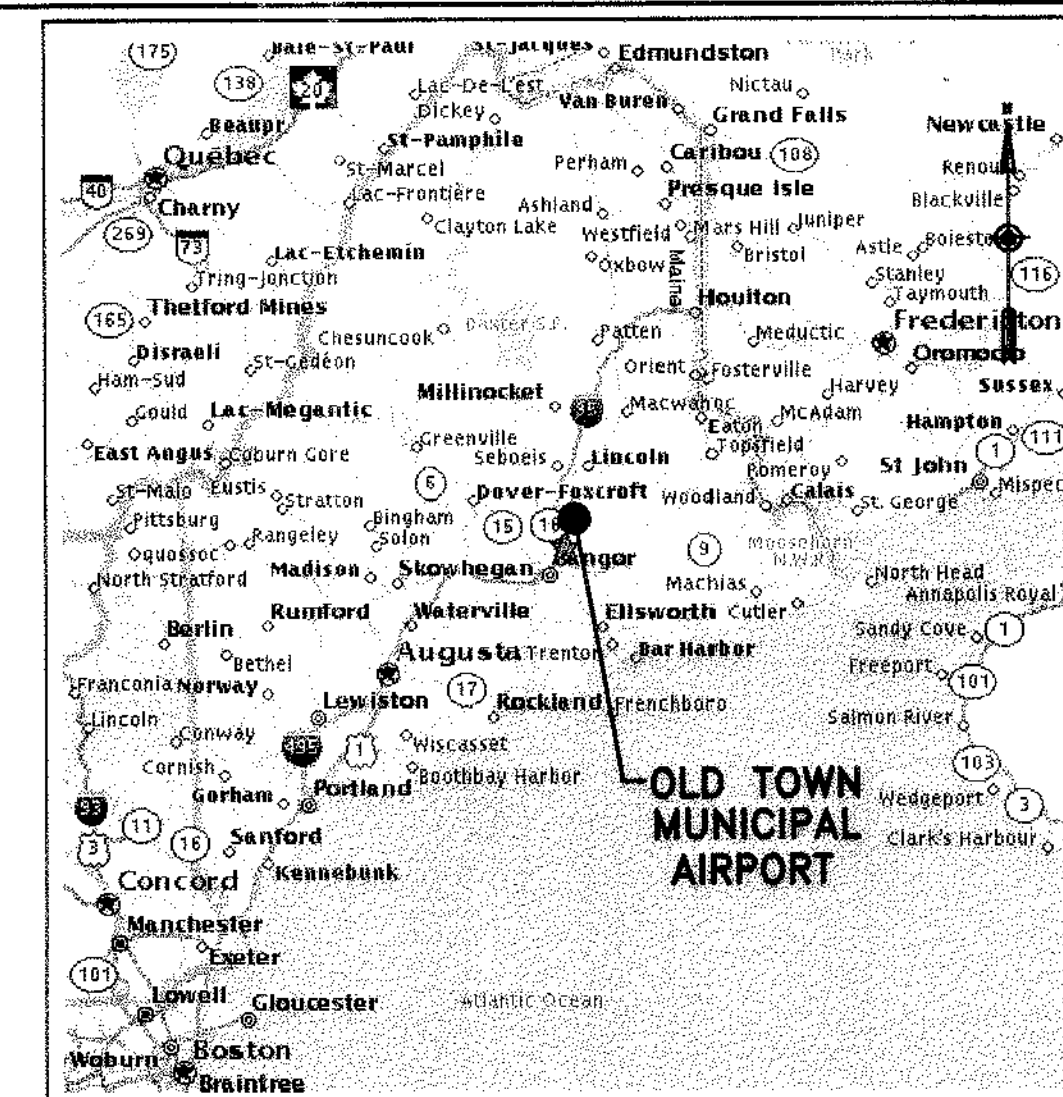
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VICINITY MAP
NOT TO SCALE

OLD TOWN MUNICIPAL AIRPORT OLD TOWN, MAINE

MASTER PLAN UPDATE



LOCATION MAP
NOT TO SCALE

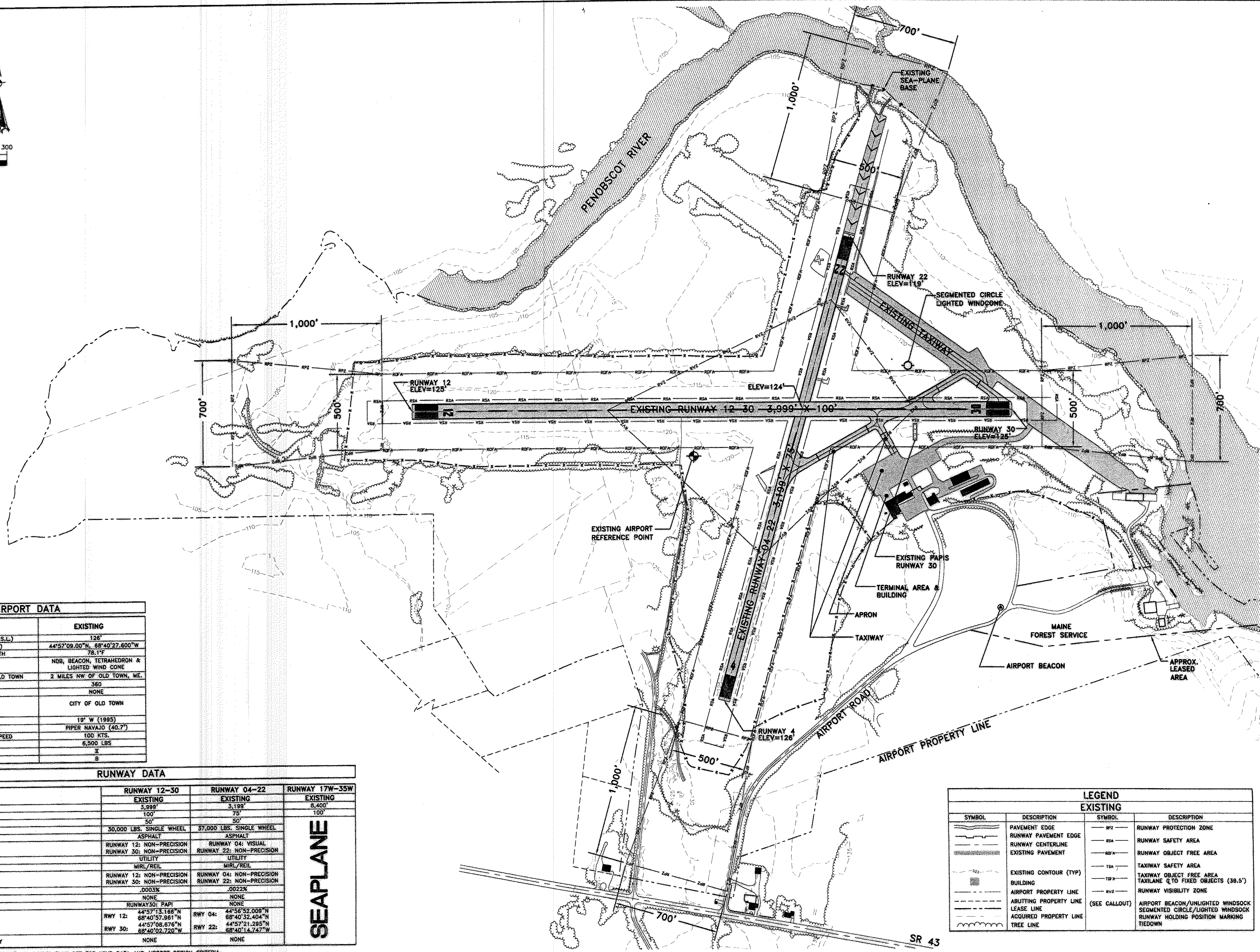
MAINE DEPARTMENT OF TRANSPORTATION STATE PROJECT NO. SAIP11.9047(1) OLD TOWN PROJECT NO. 008792.03

INDEX TO DRAWINGS

1. COVER/TITLE SHEET
2. ALP (EXISTING FACILITIES)
3. ALP (ULTIMATE FACILITIES)
4. ALP DATA SHEET
5. TERMINAL AREA PLAN
6. RUNWAY 4-22 & 12-30 PLAN AND PROFILE
7. FAR PART 77 AIRSPACE SURFACES
8. LAND USE PLAN
9. AIRPORT PROPERTY MAP-EXHIBIT 'A'


DECEMBER, 2002

| | |
|--|----------------------|
| REV. DATE DESCRIPTION | |
| 1 | |
| STATE PROJECT NO. SAIP11.9047(1) | |
| OLD TOWN PROJECT NO. 008792.03 | |
| PROJECT DESIGNER Hoyle, Tanner & Associates, Inc. | |
| 150 DOW STREET - MANCHESTER, NH 03101 - 1227 Tel: (603) 869-5555 Fax: (603) 869-4166 WEB PAGE: www.hta-nh.com | |
| DR. BY TDB | CHKD. BY JRL |
| DES. BY TLW | DATE: DECEMBER, 2002 |
| SCALE: AS SHOWN | |
| OLD TOWN MUNICIPAL AIRPORT AIRPORT MASTER PLAN | |
| COVER/TITLE SHEET | |
| HTA PROJ. No.: 302901.03 otcover.dwg | |
| DRAWING NO. 1 | |
| SHEET 1 OF 9 | |



| ITEM | RUNWAY 12-30 | | RUNWAY 04-22 | | RUNWAY 17W-35W | |
|------------------------------|--|--|--|--|----------------|--|
| | EXISTING | | EXISTING | | EXISTING | |
| LENGTH | 5,999' | | 3,198' | | 8,400' | |
| WIDTH | 100' | | 75' | | 100' | |
| STUB TAXIWAY WIDTHS | 50' | | 50' | | | |
| PVMT. STRENGTH | 30,000 LBS. SINGLE WHEEL | | 37,000 LBS. SINGLE WHEEL | | | |
| SURFACE MATERIAL | ASPHALT | | ASPHALT | | | |
| APPROACH TYPE | | | | | | |
| CLASSIFICATION | RUNWAY 12: NON-PRECISION RUNWAY 30: NON-PRECISION | | RUNWAY 04: VISUAL RUNWAY 22: NON-PRECISION | | | |
| RUNWAY LIGHTING | UTILITY MIRL/REIL | | UTILITY MIRL/REIL | | | |
| RUNWAY MARKING | RUNWAY 12: NON-PRECISION RUNWAY 30: NON-PRECISION | | RUNWAY 04: NON-PRECISION RUNWAY 22: NON-PRECISION | | | |
| EFFECTIVE GRADIENT (%) | .0003% | | .0022% | | | |
| TAXIWAY LIGHTING | NONE | | NONE | | | |
| APPROACH AIDS | RUNWAY 30: PAPI | | NONE | | | |
| RUNWAY END COORDINATES | RWY 12: 44°57'13.168"N 68°40'57.961"E | | RWY 04: 44°58'52.009"N 68°40'32.404"E | | | |
| | 44°57'08.676"N 68°40'02.720"W | | 44°57'21.295"N 68°40'14.747"W | | | |
| | | | | | | |
| DESIGNATED INSTRUMENT RUNWAY | NONE | | NONE | | | |

SEAPLANE

| | | | | | | | | | | | | | |
|---|--|---|--|-------------------------------------|--|--|--|--------|--|---------|--|----------------------|--|
| OLD TOWN MUNICIPAL AIRPORT AIRPORT MASTER PLAN | | PROJECT DESIGNER Hoyle, Tanner & Associates, Inc. 150 DOW STREET - MANCHESTER, NH 03101 - 1227 Tel: (603) 669-5555 Fax: (603) 669-4168 WEB PAGE: www.hta-nh.com | | STATE PROJECT NO. SAIP11.9047(1) | | REV. NO.  | | DATE | | BY | | REVISIONS | |
| AIRPORT LAYOUT PLAN (EXISTING FACILITIES) | | HTA Consulting Engineers | | OLD TOWN PROJECT NO. | | CHKD. BY | | DR. BY | | DES. BY | | DATE: DECEMBER, 2002 | |
| | | | | 008792.03 | | TDB | | TLM | | JRL | | | |
| HTA PROJ. No.: 302901.03 etmstp.dwg | | DRAWING NO. | | SCALE: AS SHOWN | | | | | | | | | |
| SHEET 2 OF 9 | | 2 | | REV | | | | | | | | | |

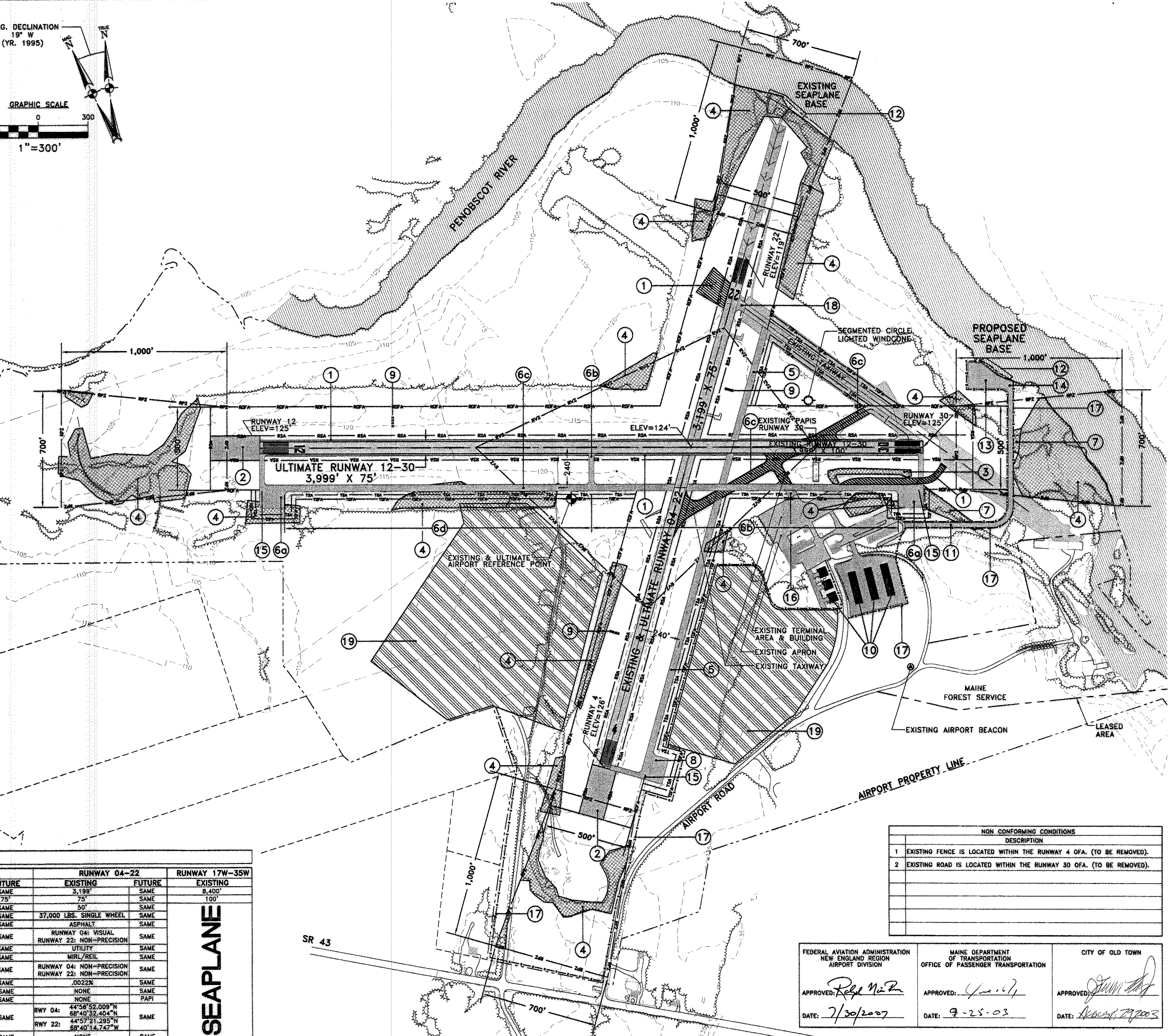
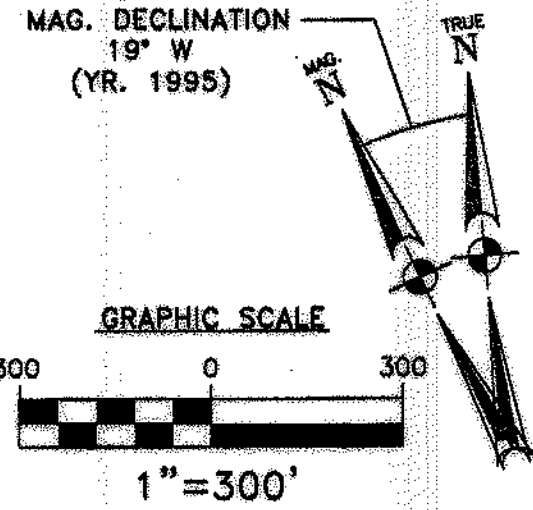
- AIRPORT DEVELOPMENT**
- 1 EXCESS PAVEMENT TO BE REMOVED.
 - 2 IMPROVE RSA: RUNWAYS 4 AND 12, RUNWAY SAFETY AREAS TO BE REGRADED TO MEET REQUIREMENTS.
 - 3 IMPROVE ROFA: RUNWAY 30, CLEAR TREE & SHRUBS TO MEET REQUIREMENTS.
 - 4 REMOVE OBJECTS PENETRATING THE IMAGINARY SURFACES, THE RVZ, RSA, OFA, OFZ, TSA, TOFA & APPROACH SURFACES.
 - 5 CONSTRUCT PARALLEL TAXIWAY W/ACCESS TAXIWAY FOR RUNWAY 4-22. ADD ALL APPROPRIATE MARKINGS AND SIGNAGE.
 - 6 CONSTRUCT PARALLEL TAXIWAY FOR RUNWAY 12-30 IN PHASES.
 - 6a PHASE I: CONSTRUCT HOLDING AREAS RUNWAY 12 & 30 ENDS.
 - 6b PHASE II: PARTIAL PARALLEL TAXIWAY AND STUB TAXIWAY FROM RUNWAY 30 TO THE MID POINT OF RUNWAY 12-30.
 - 6c PHASE II: REMOVE DIAGONAL TAXIWAY CROSSING RUNWAY 12-30.
 - 6d PHASE III: PARTIAL PARALLEL TAXIWAY FROM RUNWAY 12 TO THE MID POINT OF RUNWAY 12-30.
 - 7 TREE & SHRUB CLEARING REQUIRED FOR NEW ACCESS ROAD.
 - 8 NEW HOLDING AREA FOR RUNWAY 4.
 - 9 PAPIs ON RUNWAYS 4, 12 AND 22.
 - 10 THREE TEN UNIT T-HANGARS AND 3 INDIVIDUAL 50'X50' HANGARS. (AS DEMAND REQUIRES).
 - 11 NEW ACCESS ROAD TO ULTIMATE SEA-PLANE BASE
 - 12 RELOCATE EXISTING SEAPLANE BASE TO ULTIMATE LOCATION.
 - 13 ULTIMATE PAVED SEAPLANE BASE RAMP.
 - 14 SEAPLANE BASE PROCEDURES SIGNAGE.
 - 15 PAINT HOLDING POSITION MARKINGS AND INSTALL SIGNS.
 - 16 IMPROVE EXISTING APRON TO MATCH WITH NEW TAXIWAY LOCATION & RUNUP/HOLDING AREA.
 - 17 INSTALL NEW SECURITY FENCING.
 - 18 WIDEN TAXIWAY CONNECTION TO RUNWAY 22 END.
 - 19 AREA SURPLUS FOR AVIATION USE. (COMMERCIAL/INDUSTRIAL DEVELOPMENT)

| LEGEND | | | |
|---------------|--|--------|------------------------|
| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
| | RUNWAY PROTECTION ZONE | | SECURITY FENCE |
| | RUNWAY SAFETY AREA | | EXISTING FENCE |
| | RUNWAY OBJECT FREE AREA | | EXISTING ROAD EDGE |
| | TAXIWAY SAFETY AREA | | RUNWAY PAVEMENT EDGE |
| | TAXIWAY OBJECT FREE AREA | | RUNWAY CENTERLINE |
| | TAXIWAY OBJECT FREE AREA (39.5') | | EXISTING CONTOUR (TYP) |
| | RUNWAY VISIBILITY ZONE | | EXISTING STRUCTURE |
| (SEE CALLOUT) | AIRPORT BEACON/UNLIGHTED WINDSOCK SEGMENTED CIRCLE/LIGHTED WINDSOCK | | PROPOSED STRUCTURE |
| | EXISTING PAVEMENT | | AIRPORT PROPERTY LINE |
| | PROPOSED IMPROVEMENTS | | LEASE LINE |
| | OBSTRUCTION TO BE REMOVED | | ABUTTING PROPERTY LINE |
| | AREA SURPLUS FOR AVIATION USE. | | ACQUIRED PROPERTY LINE |
| | EXISTING PAVEMENT TO BE REMOVED | | EXISTING TREE LINE |

| AIRPORT DATA | | |
|-------------------------------------|--|--------|
| ITEM | EXISTING | FUTURE |
| AIRPORT ELEVATION (U.S.C.S.-M.S.L.) | 128' | SAME |
| AIRPORT REFERENCE POINT (ARP) | 44°57'09.00"N, 68°40'27.600"W | SAME |
| MEAN MAX. TEMP. HOTTEST MONTH | 78.1°F | SAME |
| NAVIGATIONAL AIDS | NDB, BEACON, TETRAHEDRON & LIGHTED WIND CONE | SAME |
| DISTANCE FROM THE CITY OF OLD TOWN | 2 MILES NW OF OLD TOWN ME. | SAME |
| LAND OWNED (ACRES) | 360 | SAME |
| AVIGATION EASEMENT (ACRES) | NONE | SAME |
| OWNER | CITY OF OLD TOWN | SAME |
| MAG. DECLINATION | 19° W (1995) | SAME |
| CRITICAL AIRCRAFT (WING SPAN) | PIPER NAVAJAO (40.7') | SAME |
| CRITICAL AIRCRAFT APPROACH SPEED | 100 KTS. | SAME |
| CRITICAL AIRCRAFT WTOW | 6,500 LBS | SAME |
| AIRPLANE DESIGN GROUP | II | II |
| AIRCRAFT APPROACH CATEGORY | B | B |

| RUNWAY DATA | | | | | | |
|------------------------------|--|--------|--|--------|----------------|----------|
| ITEM | RUNWAY 12-30 | | RUNWAY 04-22 | | RUNWAY 17W-35W | |
| | EXISTING | FUTURE | EXISTING | FUTURE | EXISTING | |
| LENGTH | 3,999' | SAME | 3,193' | SAME | 8,400' | SEAPLANE |
| WIDTH | 100' | SAME | 75' | SAME | 100' | |
| TAXIWAY WIDTHS | 50' | SAME | 50' | SAME | | |
| PVMT. STRENGTH | 30,000 LBS. SINGLE WHEEL | SAME | 37,000 LBS. SINGLE WHEEL | SAME | | |
| PAVEMENT TYPE | ASPHALT | SAME | ASPHALT | SAME | | |
| APPROACH TYPE | RUNWAY 12: NON-PRECISION | SAME | RUNWAY 04: VISUAL | SAME | | |
| CLASSIFICATION | RUNWAY 30: NON-PRECISION | SAME | RUNWAY 22: NON-PRECISION | SAME | | |
| RUNWAY LIGHTING | UTILITY | SAME | UTILITY | SAME | | |
| | MIRL/REIL | SAME | MIRL/REIL | SAME | | |
| RUNWAY MARKING | RUNWAY 12: NON-PRECISION | SAME | RUNWAY 04: NON-PRECISION | SAME | | |
| | RUNWAY 30: NON-PRECISION | SAME | RUNWAY 22: NON-PRECISION | SAME | | |
| EFFECTIVE GRADIENT (%) | .0003% | SAME | .0022% | SAME | | |
| TAXIWAY LIGHTING | NONE | SAME | NONE | SAME | | |
| VISUAL AIDS | RUNWAY 30: PAPI | SAME | NONE | PAPI | | |
| RUNWAY END COORDINATES | RWY 12: 44°57'13.166°N 68°40'57.891°N | SAME | RWY 04: 44°58'52.008°N 68°40'32.404°N | SAME | | |
| | RWY 30: 44°57'08.676°N 68°40'02.720°W | | RWY 22: 44°57'21.285°N 68°40'14.747°W | | | |
| DESIGNATED INSTRUMENT RUNWAY | NONE | SAME | NONE | SAME | | |

SEAPLANE



| NON CONFORMING CONDITIONS | |
|---|--|
| DESCRIPTION | |
| 1 EXISTING FENCE IS LOCATED WITHIN THE RUNWAY 4 OFA. (TO BE REMOVED). | |
| 2 EXISTING ROAD IS LOCATED WITHIN THE RUNWAY 30 OFA. (TO BE REMOVED). | |

| | | |
|---|---|------------------------------|
| FEDERAL AVIATION ADMINISTRATION NEW ENGLAND REGION AIRPORT DIVISION | MAINE DEPARTMENT OF TRANSPORTATION OFFICE OF PASSENGER TRANSPORTATION | CITY OF OLD TOWN |
| APPROVED: <i>Reggie Miller</i> | APPROVED: <i>John J. ...</i> | APPROVED: <i>John J. ...</i> |
| DATE: 7/30/2007 | DATE: 9-25-03 | DATE: 10/27/2003 |

REVISIONS

| REV. NO. | DATE | BY | DESCRIPTION |
|----------|------|----|-------------|
| 1 | | | |

STATE PROJECT NO. SAIP11.9047(1)

OLD TOWN PROJECT NO. 008792.03

PROJECT DESIGNER
Hoyle, Tanner & Associates, Inc.
150 DOW STREET - MANCHESTER, NH 03101 - 1227
Tel: (603) 688-3555 Fax: (603) 688-4168 WEB PAGE: www.hta-nh.com

SCALE: AS SHOWN DATE: DECEMBER, 2002

DR. BY: TDB
DES. BY: TLM
CHKD. BY: JRL

OLD TOWN MUNICIPAL AIRPORT
AIRPORT MASTER PLAN

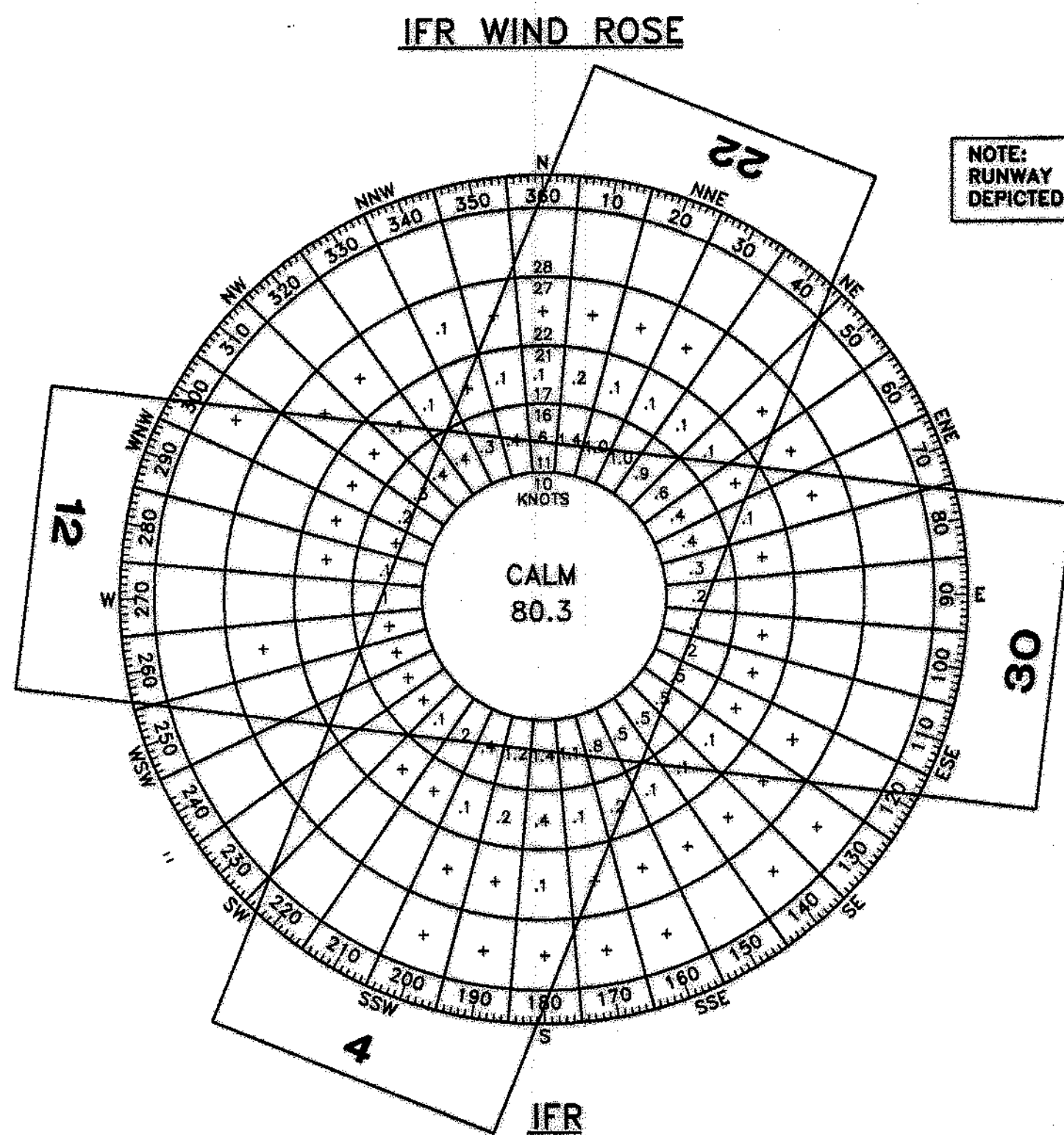
AIRPORT LAYOUT PLAN
(ULTIMATE FACILITIES)

HTA PROJ. No.: 302901.03

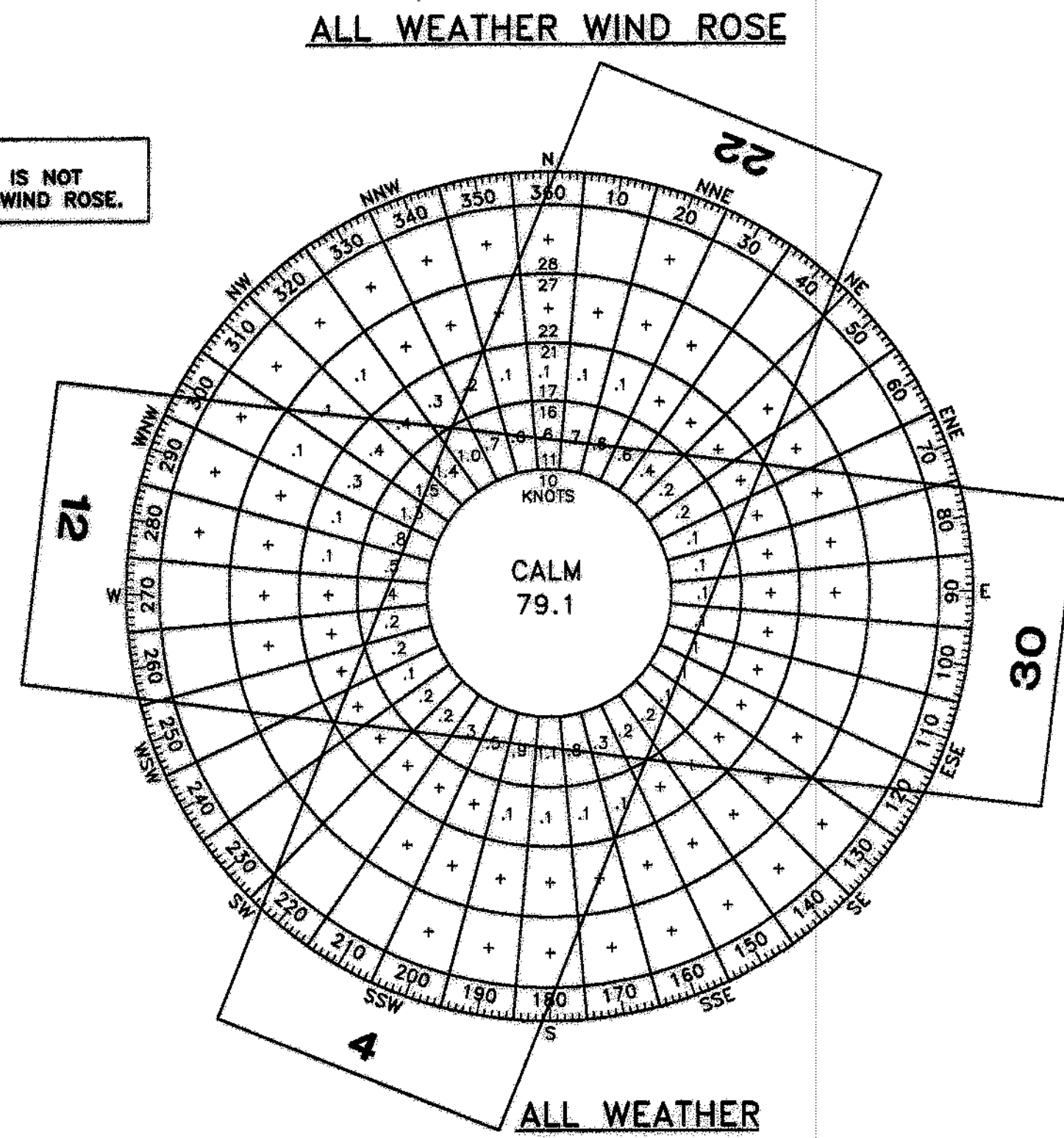
smultimate.dwg

DRAWING NO. 3

SHEET 3 OF 9



NOTE:
RUNWAY 17W-35W IS NOT
DEPICTED ON THE WIND ROSE.



| WIND DATA SUMMARY | | | |
|-----------------------------|----------|-----------|------------------|
| CROSSWIND COMPONENT (KNOTS) | R/W 4-22 | R/W 12-30 | R/W 4-22 & 12-30 |
| 13.0 | 97.22% | 91.77% | 99.35% |

STATION: BANGOR, ME #72608
SOURCE: NATIONAL CLIMATIC DATA CENTER/NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
PERIOD OF OBSERVATION: 1991-2000
OBSERVATIONS: 10,506

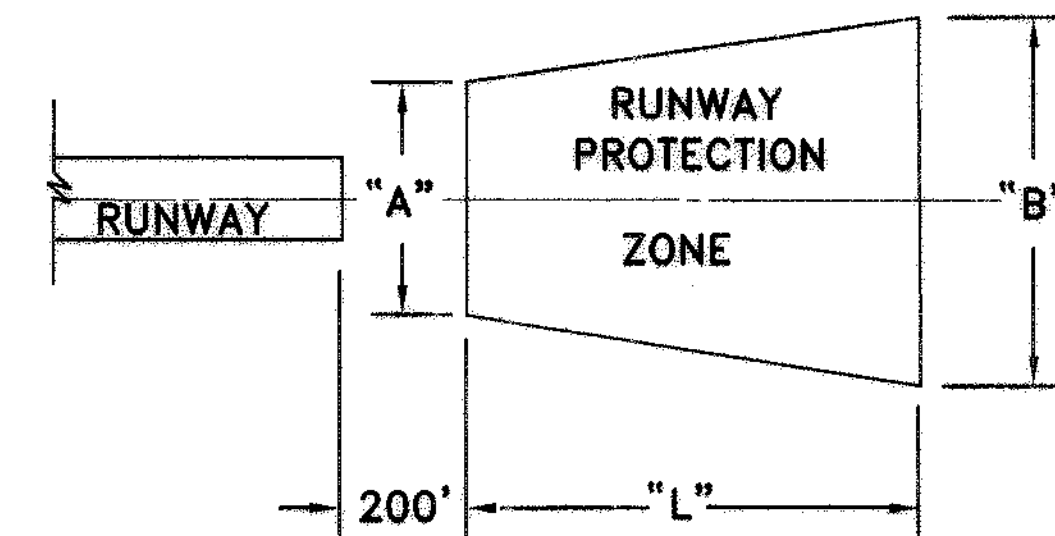
| WIND DATA SUMMARY | | | |
|-----------------------------|----------|-----------|------------------|
| CROSSWIND COMPONENT (KNOTS) | R/W 4-22 | R/W 12-30 | R/W 4-22 & 12-30 |
| 13.0 | 94.13% | 93.48% | 99.05% |

STATION: BANGOR, ME #72608
SOURCE: NATIONAL CLIMATIC DATA CENTER/NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
PERIOD OF OBSERVATION: 1991-2000
OBSERVATIONS: 92,118

AIRPORT DESIGN CRITERIA: B-II

| DESIGN ELEMENT | REQUIRED B-II DESIGN CRITERIA (IN FEET) | RUNWAY 12-30 | | RUNWAY 4-22 | | RUNWAY 17W-35W | |
|--|---|----------------------------------|--------|---------------------------------|--------|----------------|--------|
| | | EXISTING | FUTURE | EXISTING | FUTURE | EXISTING | FUTURE |
| RUNWAY PROTECTION ZONE: (RPZ) | VISUAL AND APPROACH VISIBILITY MINIMUMS NOT LOWER THAN 1-MILE FOR SMALL AIRCRAFT EXCLUSIVELY | | | | | | |
| LENGTH | 1,000' | 1,000' | SAME | 1,000' | SAME | N/A | N/A |
| INNER WIDTH | 500' | 500' | SAME | 500' | SAME | N/A | N/A |
| OUTER WIDTH | 700' | 700' | SAME | 700' | SAME | N/A | N/A |
| RUNWAY: | | | | | | | |
| LENGTH | * | 3,999' | SAME | 3,199' | SAME | 8,400' | SAME |
| WIDTH | 75' | 100' | 75' | 75' | SAME | 100' | 200' |
| RUNWAY SAFETY AREA: (RSA) | | | | | | | |
| LENGTH BEYOND RUNWAY END | 300' | RUNWAY 12-300' RUNWAY 30-300' | SAME | RUNWAY 4-300' RUNWAY 22-300' | SAME | N/A | N/A |
| WIDTH | 150' | 150' | SAME | 150' | SAME | N/A | N/A |
| RUNWAY OBSTACLE FREE ZONE: (OFZ) | | | | | | | |
| LENGTH BEYOND RUNWAY END | 200' | RUNWAY 12-300' RUNWAY 30-300' | SAME | RUNWAY 4-300' RUNWAY 22-300' | SAME | N/A | N/A |
| WIDTH | 400' | 225' | 400' | 225' | 400' | N/A | N/A |
| RUNWAY OBJECT FREE AREA: (OFA) | | | | | | | |
| LENGTH BEYOND RUNWAY END | 300' | RUNWAY 12-300' RUNWAY 30-300' | SAME | RUNWAY 4-300' RUNWAY 22-300' | SAME | N/A | N/A |
| WIDTH | 500' | 500' | SAME | 500' | SAME | N/A | N/A |
| TAXIWAY/TAXILANE: | | | | | | | |
| WIDTH | 35' | 50' | SAME | 50' | SAME | N/A | N/A |
| TAXIWAY SAFETY AREA (TSA) WIDTH | 79' | 79' | SAME | 79' | SAME | N/A | N/A |
| TAXIWAY OBJECT FREE AREA (OFA) WIDTH | 131' | 131' | SAME | 131' | SAME | N/A | N/A |
| TAXILANE OBJECT FREE AREA WIDTH | 115' | 115' | SAME | 115' | SAME | N/A | N/A |
| RUNWAY SEPARATION STANDARDS: | FOR AIRCRAFT APPROACH CATEGORIES A & B FOR VISUAL RUNWAYS AND RUNWAYS WITH NOT LOWER THAN 3/4-STATUTE MILE APPROACH VISIBILITY MINIMUMS | | | | | | |
| RUNWAY CENTERLINE TO TAXIWAY/TAXILANE CENTERLINE | 240' | N/A | 240' | N/A | 240' | N/A | N/A |
| RUNWAY CENTERLINE TO AIRCRAFT PARKING AREA | 250' | 250' | SAME | 250' | SAME | N/A | N/A |
| TAXIWAY/TAXILANE SEPARATION STANDARDS: | | | | | | | |
| TAXIWAY CENTERLINE TO PARALLEL TAXIWAY/TAXILANE CENTERLINE | 105' | N/A | SAME | N/A | SAME | N/A | N/A |
| TAXIWAY CENTERLINE TO A FIXED OR MOVEABLE OBJECT | 65.5' | 65.5' | SAME | 65.5' | SAME | N/A | N/A |
| TAXILANE CENTERLINE TO PARALLEL TAXILANE CENTERLINE | 97' | 97' | SAME | 97' | SAME | N/A | N/A |
| TAXILANE CENTERLINE TO A FIXED OR MOVEABLE OBJECT | 57.5' | 57.5' | SAME | 57.5' | SAME | N/A | N/A |

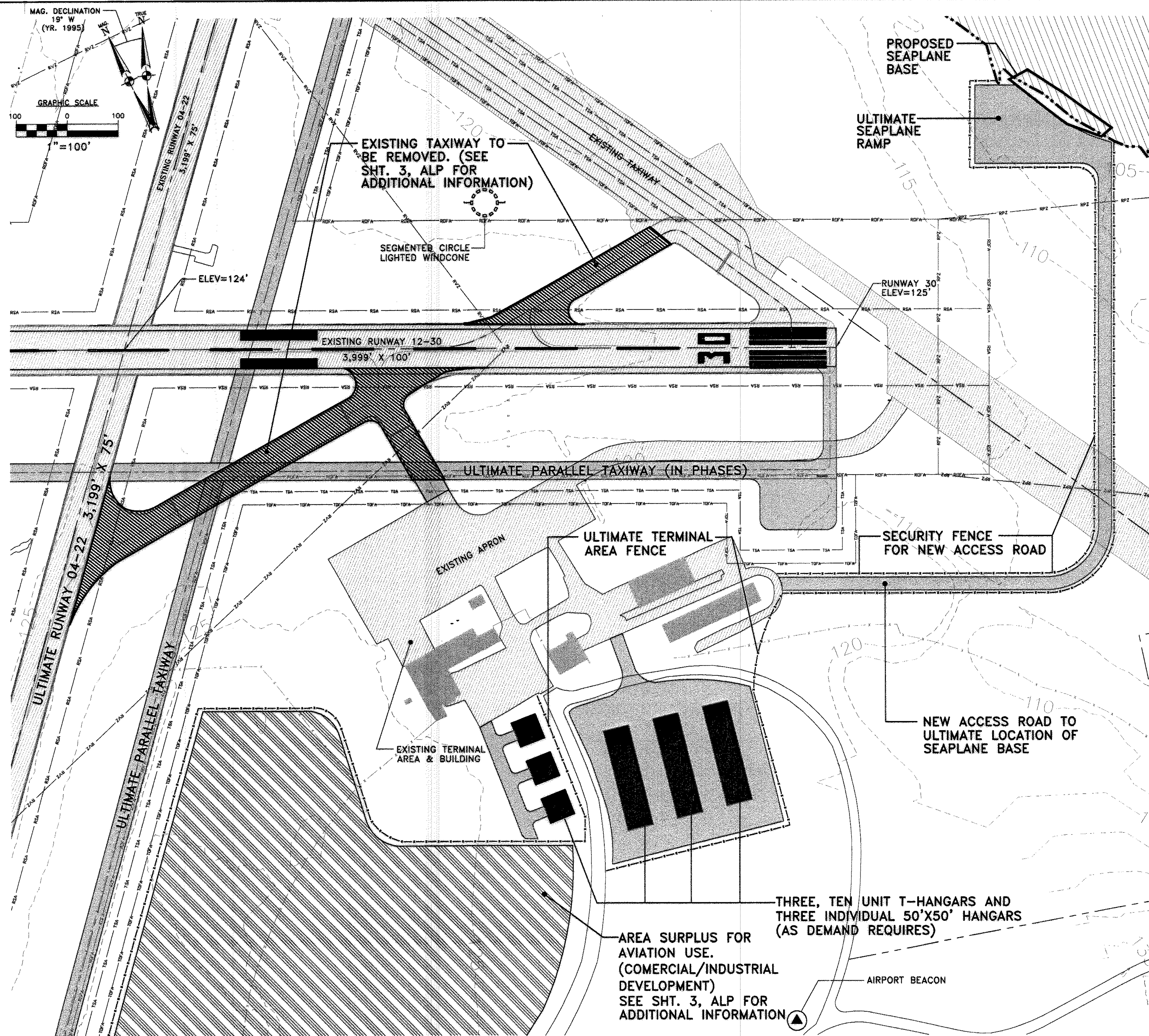
* SEE 2002 OLD TOWN AIRPORT MASTER PLAN UPDATE.













| APPROACH SLOPE DATA | | | |
|---------------------|--------|---------------|----------------|
| | RUNWAY | CATEGORY | APPROACH SLOPE |
| FUTURE | 12 | NON PRECISION | 20:1 |
| | 30 | NON PRECISION | 20:1 |
| EXISTING | 12 | NON PRECISION | 20:1 |
| | 30 | NON PRECISION | 20:1 |
| FUTURE | 4 | NON PRECISION | 20:1 |
| | 22 | NON PRECISION | 20:1 |
| EXISTING | 4 | VISUAL | 20:1 |
| | 22 | NON PRECISION | 20:1 |

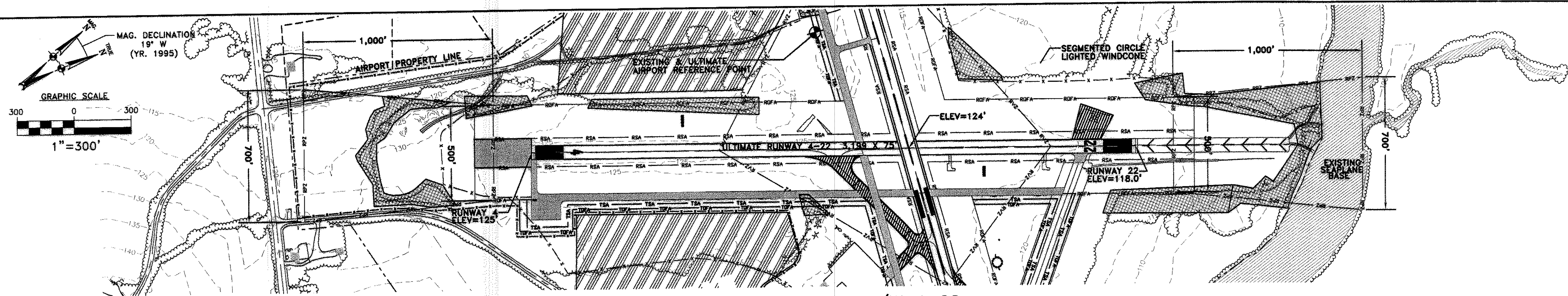
| RUNWAY PROTECTION ZONE DATA | | | | | |
|-----------------------------|--------|---------------|--------|------|------|
| | RUNWAY | CATEGORY | "L" | "A" | "B" |
| FUTURE | 12 | NON PRECISION | 1,000' | 500' | 700' |
| | 30 | NON PRECISION | 1,000' | 500' | 700' |
| EXISTING | 12 | NON PRECISION | 1,000' | 500' | 700' |
| | 30 | NON PRECISION | 1,000' | 500' | 700' |
| FUTURE | 4 | NON PRECISION | 1,000' | 500' | 700' |
| | 22 | NON PRECISION | 1,000' | 500' | 700' |
| EXISTING | 4 | VISUAL | 1,000' | 500' | 700' |
| | 22 | NON PRECISION | 1,000' | 500' | 700' |

| | | | | |
|----------------------------|--|--|----------------------|--------------|
| REV NO. | | DATE | BY | DESCRIPTION |
| STATE PROJECT NO. | | SAP11.9047(1) | | |
| OLD TOWN PROJECT NO. | | 008792.03 | | |
| PROJECT DESIGNER | | HFA Consulting Engineers | | |
| PROJECT NAME | | Hoyle, Tanner & Associates, Inc. | | |
| PROJECT LOCATION | | 150 DOW STREET - MANCHESTER, NH 03101 - 1227 | | |
| PROJECT NO. | | Tel: (603) 869-5555 Fax: (603) 869-4166 WEB PAGE: www.hta-nh.com | | |
| DESIGNER | | DR. BY | TDB | CHKD. BY JRL |
| SCALE | | AS SHOWN | DATE: DECEMBER, 2002 | TLM |
| OLD TOWN MUNICIPAL AIRPORT | | AIRPORT MASTER PLAN | | |
| HTA PROJ. No.: | | 302901.03 | | |
| aldata.dwg | | | | |
| DRAWING NO. | | 4 | | |
| SHEET | | 4 OF 9 | | |

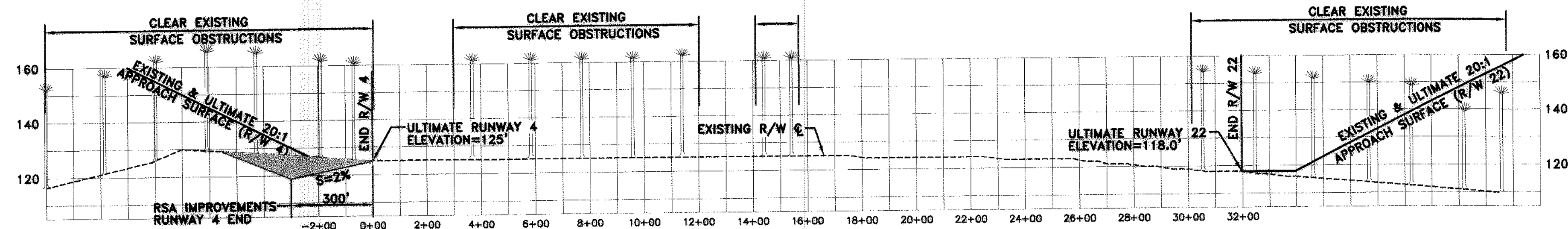


| LEGEND | | | |
|---|-----------------------|---|---------------------------------|
| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|  | PAVEMENT EDGE |  | NEW TERMINAL AREA DEVELOPMENT |
|  | RUNWAY CENTERLINE |  | EXISTING PAVEMENT |
|  | AIRPORT PROPERTY LINE |  | EXISTING PAVEMENT TO BE REMOVED |
|  | SECURITY FENCING |  | PROPOSED PAVED TIE DOWN |
|  | EXISTING BUILDING | | |
|  | ULTIMATE STRUCTURE | | |

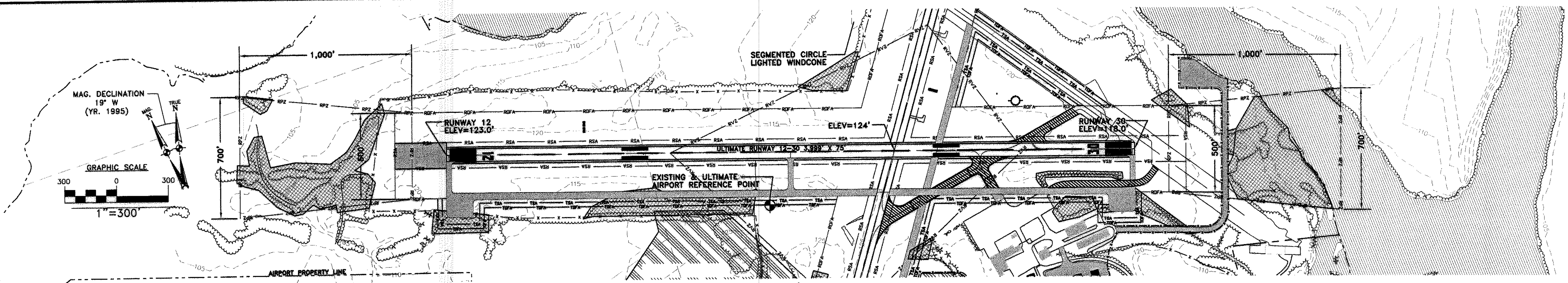
| | | | | | | | | | | | |
|---|--|---|--|---|--|-------------------------------------|--|---|--|-----------|--|
| HTA PROJ. No.: 302901.0 shterminal.dwg | | OLD TOWN MUNICIPAL AIRPORT AIRPORT MASTER PLAN | | PROJECT DESIGNER Hoyle, Tanner & Associates, Inc. 150 DOW STREET — MANCHESTER, NH 03101 — 1227 Tel: (603) 669-5555 Fax: (603) 669-4166 WEB PAGE: www.hta-nh.com | | STATE PROJECT NO. SAMP11-9047(1) | | REV. NO. DATE | | REVISIONS | |
| | | | | HTA Consulting Engineers | | OLD TOWN PROJECT NO. 008792.03 | | DR. BY DES. BY SCALE: AS SHOWN DATE: DECEMBER, 2002 | | CHKD. BY | |
| DRAWING NO. 5 | | TERMINAL AREA PLAN | | | | | | | | | |
| SHEET 5 OF 20 | | | | | | | | | | | |



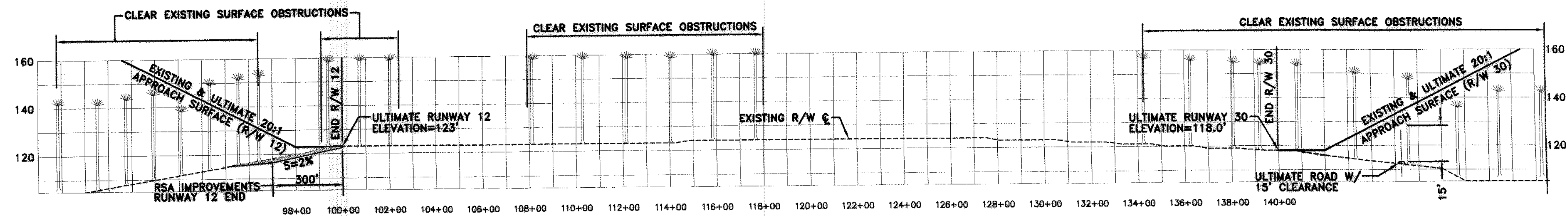
PLAN VIEW R/W 4-22
SCALE: 1"=300'



PROFILE R/W 4-22
SCALE: 1"=300' HORZ
1"=30' VERT.



PLAN VIEW R/W 12-30
SCALE: 1"=300'



PROFILE R/W 12-30
SCALE: 1"=300' HORZ
1"=30' VERT.

REVISIONS

BY

DESCRIPTION

DATE

REV. NO.

STATE
PROJECT NO.

SAIP11.9047(1)

OLD TOWN
PROJECT NO.

008792.03

HTA
Consulting Engineers

150 DOW STREET - MANCHESTER, NH 03101 - 1227
Tel: (603) 689-5555 Fax: (603) 689-4168 WEB PAGE: www.hta-nh.com

DR. BY

TDB

CHKD. BY

JRL

PROJECT DESIGNER
Hoyle, Tanner & Associates, Inc.

SCALE: AS SHOWN DATE: DECEMBER, 2002

OLD TOWN MUNICIPAL AIRPORT
AIRPORT MASTER PLAN

R/W 4-22 AND R/W 12-30

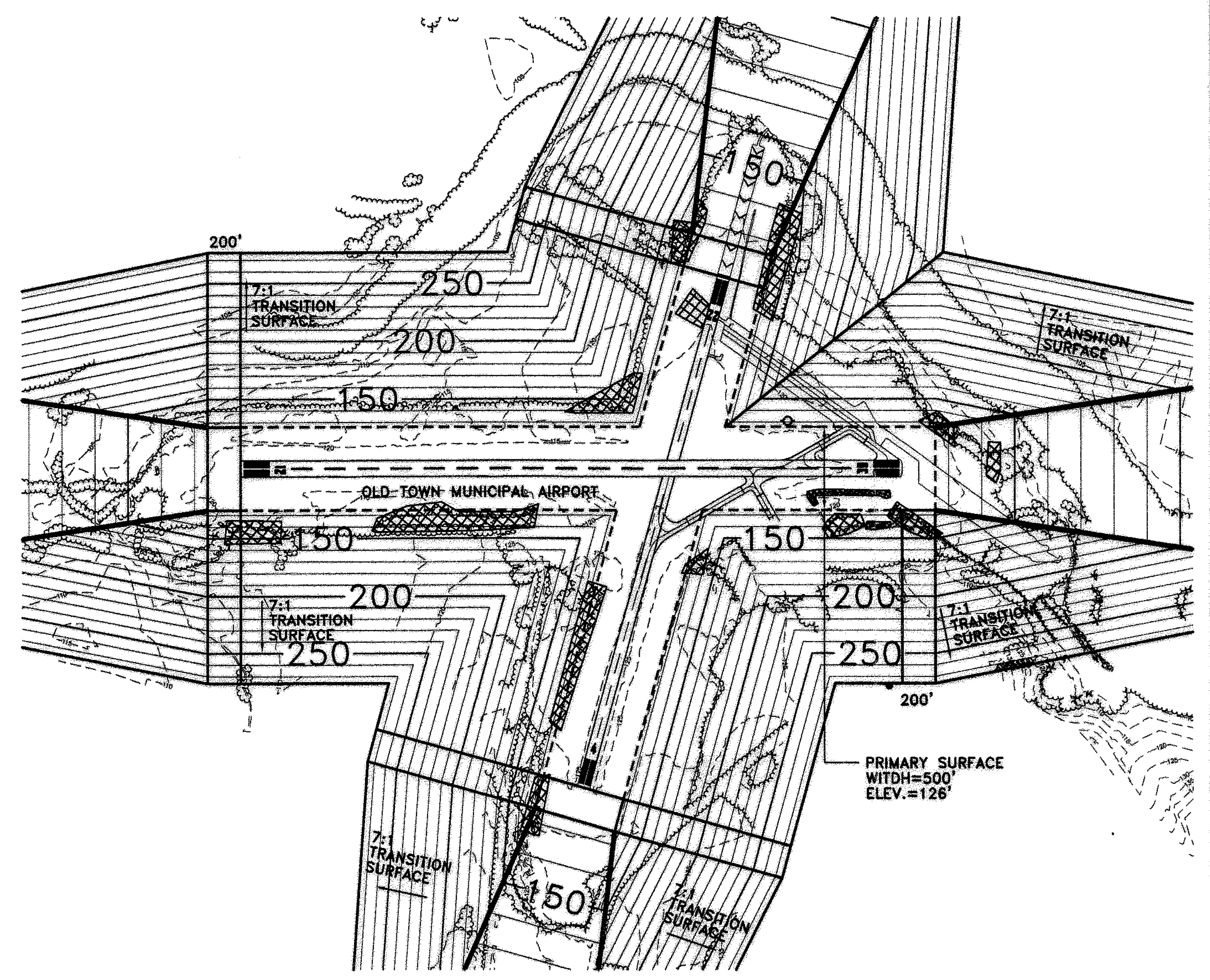
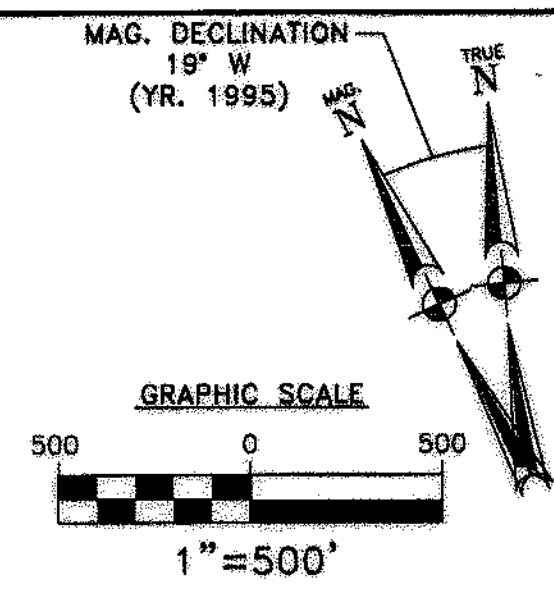
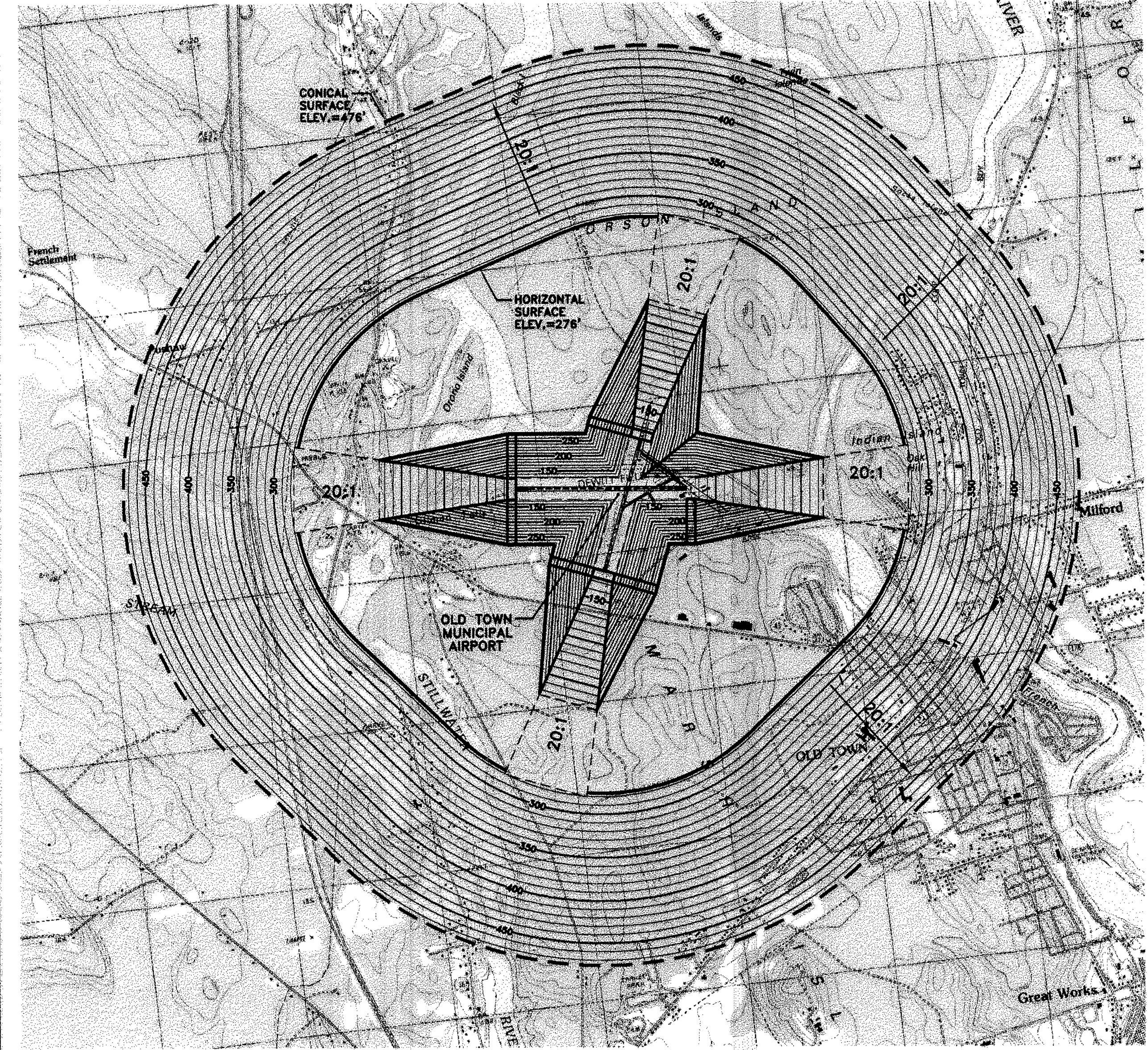
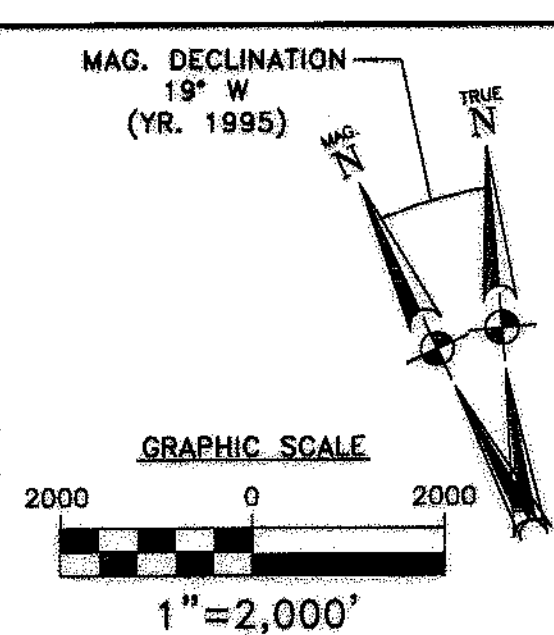
PLAN AND PROFILE

HTA PROJ. No.: 302901.03
atmhpref.dwg

DRAWING NO.

6

SHEET 6 OF 9



| ULTIMATE PART 77 AIRSPACE SURFACES | | | | |
|------------------------------------|---------------|---------------|---------------|---------------|
| AIRPORT IMAGINARY SURFACE | RUNWAY 4 | RUNWAY 22 | RUNWAY 12 | RUNWAY 30 |
| CLASSIFICATION | UTILITY | UTILITY | UTILITY | UTILITY |
| APPROACH | NON-PRECISION | NON-PRECISION | NON-PRECISION | NON-PRECISION |
| VISIBILITY MINIMUMS | 1 MILE | 1 MILE | 1 MILE | 1 MILE |
| AIRPORT ELEVATION | 126' | | | |
| HORIZONTAL SURFACE: | | | | |
| HORIZONTAL SURFACE ELEVATION | 276' | 276' | 276' | 276' |
| HORIZONTAL SURFACE RADIUS | 5,000' | 5,000' | 5,000' | 5,000' |
| CONICAL SURFACE: | | | | |
| HORIZONTAL DISTANCE | 4,000' | 4,000' | 4,000' | 4,000' |
| SLOPE | 20:1 | 20:1 | 20:1 | 20:1 |
| PRIMARY SURFACE: | | | | |
| LENGTH BEYOND USABLE RUNWAY END | 200' | 200' | 200' | 200' |
| WIDTH | 500' | 500' | 500' | 500' |
| APPROACH SURFACE: | | | | |
| INNER EDGE WIDTH | 500' | 500' | 500' | 500' |
| OUTER EDGE WIDTH | 2,000' | 2,000' | 2,000' | 2,000' |
| HORIZONTAL DISTANCE | 5,000' | 5,000' | 5,000' | 5,000' |
| SLOPE | 20:1 | 20:1 | 20:1 | 20:1 |
| TRANSITIONAL SURFACE: | 7:1 | 7:1 | 7:1 | 7:1 |

| LEGEND | | | |
|--------|---------------------------|--------|---|
| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
| ===== | EXISTING ROADS | ----- | APPROACH SURFACE ABOVE HORIZONTAL SURFACE ELEVATION |
| ----- | EXISTING DIRT/AWD ROAD | ----- | APPROACH SURFACE |
| ----- | AIRPORT PROPERTY LINE | ----- | SURFACE OBSTRUCTIONS |
| ----- | CONICAL SURFACE | ----- | PRIMARY SURFACE |
| ----- | HORIZONTAL SURFACE | | |
| ----- | SURFACE ELEVATION CONTOUR | | |
| ----- | EXISTING TREE LINE | | |

REVISIONS

| REV. NO. | DATE | BY | DESCRIPTION |
|----------|------|----|-------------|
| 1 | | | |

STATE PROJECT NO.

SAIP11.9047(1)

OLD TOWN PROJECT NO.

008792.03

PROJECT DESIGNER

Hoyle, Tanner & Associates, Inc.

HTA

Consulting Engineers

150 DOW STREET - MANCHESTER, NH 03101 - 1227

Tel: (603) 669-5555 Fax: (603) 669-4168 WEB PAGE: www.hta-nh.com

DES. BY

TLM

DR. BY

TDB

CHKD. BY

JRL

SCALE: AS SHOWN

DATE: DECEMBER, 2002

OLD TOWN MUNICIPAL AIRPORT

AIRPORT MASTER PLAN

FAR PART 77

AIRSPACE SURFACES

HTA PROJ. No.: 302901.03

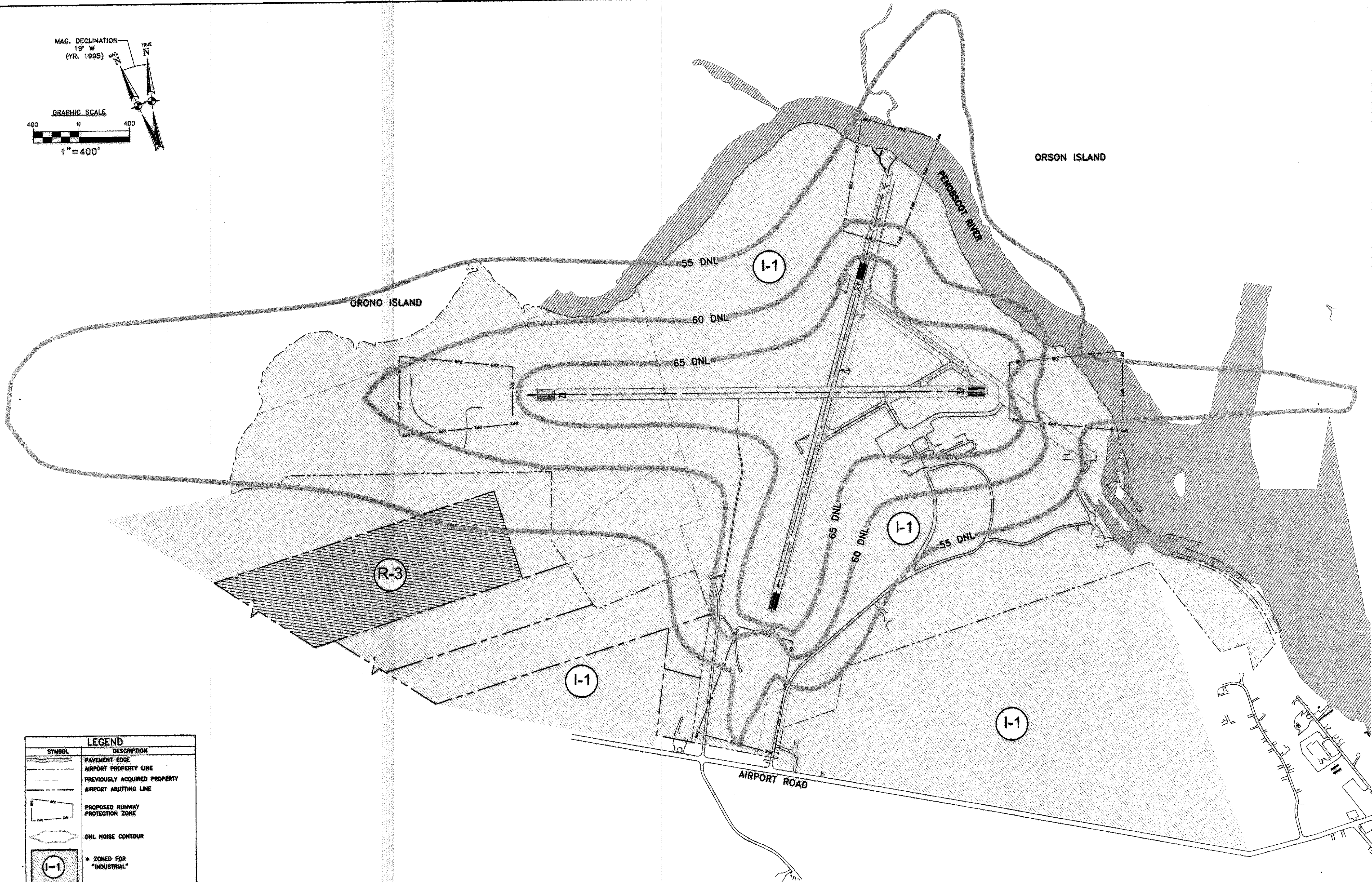
otmpart77.dwg

DRAWING NO.

7

SHEET 7 OF 9

REV



* BASED ON ZONING MAP BY THE CITY OF OLD TOWN,
PENOBSCOT COUNTY, MAINE, DATED APRIL 9, 1988

| | | | | | | | |
|---|---------------|--|--|--|--|--------------|----------|
| OLD TOWN MUNICIPAL AIRPORT AIRPORT MASTER PLAN | LAND USE PLAN | HTA PROJ. No.: 302901.03 otanduse.dwg | | DRAWING NO. <div style="font-size: 2em; font-weight: bold; text-align: center;">8</div> | | SHEET 8 OF 9 | REV. NO. |
| | | | | | | | |

PROJECT DESIGNER
Hoyle, Tanner & Associates, Inc.

150 DOW STREET - MANCHESTER, NH 03101 - 1227
 Tel: (603) 689-5555 Fax: (603) 689-4168 WEB PAGE: www.hta-nh.com

HTA
 Consulting Engineers

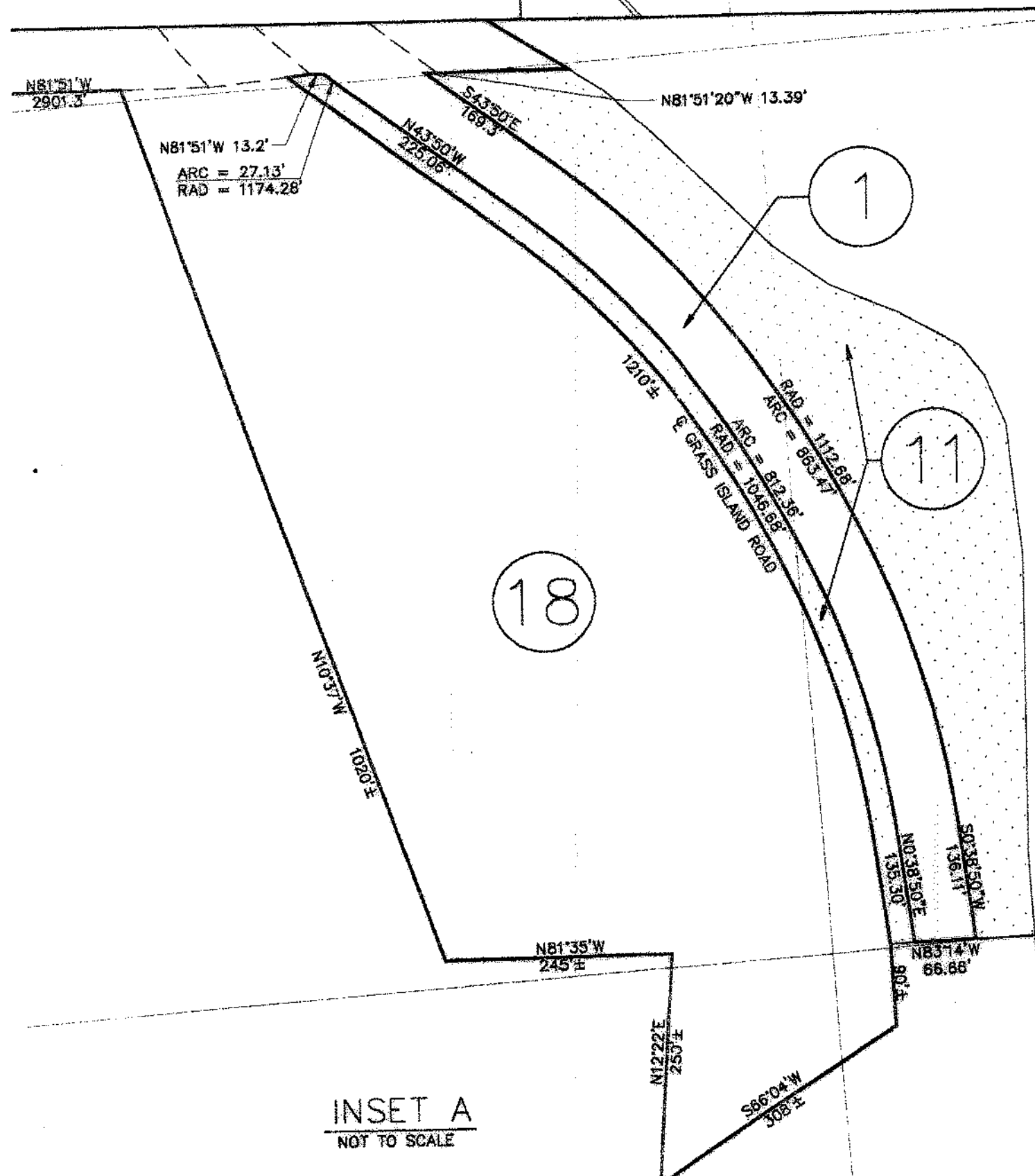
| | | | | | | |
|-----------------|--|----------------------|--|----------------|---------------|-----------------|
| SCALE: AS SHOWN | | DATE: DECEMBER, 2002 | | DES. BY TLM | DR. BY TDB | CHKD. BY JRL |
|-----------------|--|----------------------|--|----------------|---------------|-----------------|

| | | | | |
|-------------------------------------|----------|------|----|-------------|
| STATE PROJECT NO. SAIP11.9047(1) | REV. NO. | DATE | BY | DESCRIPTION |
| OLD TOWN PROJECT NO. | △ | | | |
| 008792.03 | | | | |

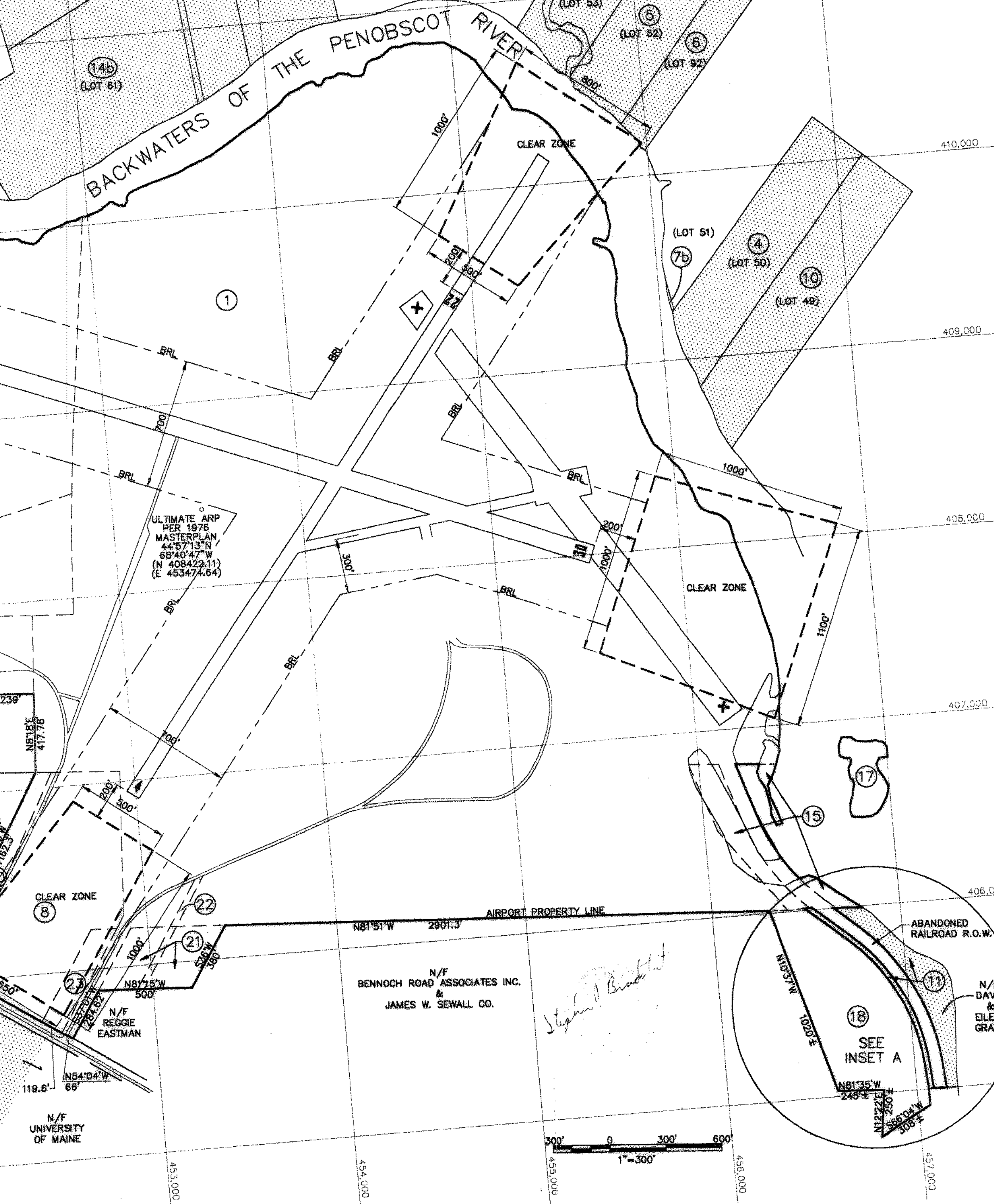
| PARCEL NO. | GRANTOR | GRANTEE | INSTRUMENT | BK/PG | DATE | AREA | REMARKS |
|------------|---------------------------|---------------------------|------------|-------------|----------|-----------|-------------------------|
| 1 | USA | CITY OF OLD TOWN | FEE | 1171/300 | 8-3-81 | 343.52 Ac | 1941 AP-2 AGREEMENT |
| 2 | PHINNEY ET ALS | CITY OF OLD TOWN | FEE | 1171/300 | 12-17-41 | 0.45 Ac | CITY FUNDED |
| 3 | PERKINS | CITY OF OLD TOWN | FEE | 1171/304 | 12-17-41 | 9.78 Ac | CITY FUNDED |
| 4 | LEWIS ET ALS | CITY OF OLD TOWN | EASEMENT | 1185/4 | 10-13-42 | 11.08 Ac | CITY FUNDED |
| 5 | LEWIS ET ALS | CITY OF OLD TOWN | EASEMENT | 1185/4 | 8-27-42 | 8.12 Ac | CITY FUNDED |
| 6 | JOHN | CITY OF OLD TOWN | EASEMENT | 1185/4 | 8-27-42 | 4.87 Ac | CITY FUNDED |
| 7 | JOHN | CITY OF OLD TOWN | EASEMENT | 1185/4 | 8-27-42 | 8.18 Ac | CITY FUNDED |
| 8 | SEELING | CITY OF OLD TOWN | FEE | 1219/391 | 12-19-49 | 13.36 Ac | CITY FUNDED |
| 9 | BANGOR HYDRO ELECTRIC CO. | CITY OF OLD TOWN | EASEMENT | 1225/220 | 8-4-47 | 12.17 Ac | CITY FUNDED |
| 10 | HEFTUNE | CITY OF OLD TOWN | EASEMENT | 1225/495 | 7-19-49 | 3.80 Ac | FAA# 8-17-004-5902 |
| 11 | COLLETT | CITY OF OLD TOWN | EASEMENT | 1713/353 | 1-27-59 | 19.18 Ac | FAA# 8-17-004-5902 |
| 12 | FRANCIS ET ALS | CITY OF OLD TOWN | EASEMENT | 1713/359 | 8-27-42 | 23.38 Ac | FAA# 8-17-004-5902 |
| 13 | MITCHELL | CITY OF OLD TOWN | EASEMENT | 1713/361 | 1-29-59 | 46.18 Ac | FAA# 8-17-004-5902 |
| 14a,b,c | RANCO ET ALS | CITY OF OLD TOWN | EASEMENT | 1713/363 | 8-7-59 | | FAA# 8-17-004-5902 |
| | | | EASEMENT | 1713/368 | 1-29-59 | | FAA# 8-17-004-5902 |
| | | | EASEMENT | 1713/371 | 1-29-59 | | FAA# 8-17-004-5902 |
| | | | EASEMENT | 1713/374 | 1-29-59 | | FAA# 8-17-004-5902 |
| | | | EASEMENT | 1713/377 | 1-29-59 | | FAA# 8-17-004-5902 |
| | | | EASEMENT | 1713/378 | 8-27-42 | | FAA# 8-17-004-5902 |
| | | | EASEMENT | 1082/233 | 5-13-44 | | |
| | | | EASEMENT | 1204/233 | 5-18-44 | | |
| 15 | BUZELL | CITY OF OLD TOWN | FEE | 1884/304 | 5-4-59 | 3.15 Ac | FAA# 8-17-004-5902 |
| 16 | PAUL ET ALS | CITY OF OLD TOWN | FEE | 1713/357 | 9-25-59 | 10.93 Ac | FAA# 8-17-004-5902 |
| 17 | BANGOR HYDRO ELECTRIC CO. | CITY OF OLD TOWN | FEE | 1713/360 | 1-8-60 | 7.23 Ac | FAA# 8-17-004-5902 |
| 18 | OLD TOWN DEVELOPMENT CO. | CITY OF OLD TOWN | FEE | 1724/474 | 8-2-60 | 11.02 Ac | FAA# 8-17-004-5902 |
| | | | EASEMENT | | 5-16-60 | | MEMORANDUM OF AGREEMENT |
| 20 | SHERWOOD ET ALS | CITY OF OLD TOWN | FEE | 1728/448 | 11-22-60 | 2.83 Ac | FAA# 8-17-004-5903 |
| 21 | DEWITT | CITY OF OLD TOWN | FEE | 1728/448 | 11-22-60 | 3.82 Ac | FAA# 8-17-004-5903 |
| 22 | CITY OF OLD TOWN | BANGOR HYDRO ELECTRIC CO. | EASEMENT | 1698/55 | 10-12-62 | | UTILITY POLES |
| 23 | DEWITT | CITY OF OLD TOWN | FEE | 2363/42 | 8-30-73 | 1.82 Ac | |
| 24 | PREBLE | CITY OF OLD TOWN | FEE | 2856/14 | 2-5-79 | 102.28 Ac | FAA# 8-23-0034-02 |
| 25 | ROY | CITY OF OLD TOWN | FEE | 2856/14 | 2-14-79 | 22.1 Ac | FAA# 8-23-0034-02 |
| | | | FEE | 2856/21-228 | 2-5-79 | | FAA# 8-23-0034-02 |

- NOTES:
1. DISTANCES, ANGLES AND BEARINGS SHOWN ARE A COMPILATION OF INFORMATION FROM DEEDS AND PLANS FROM CITY OF OLD TOWN AND OTHER SOURCES, AND ARE NOT THE RESULT OF A PERIMETER SURVEY OF AIRPORT PROPERTY.
 2. THE AIRPORT PROPERTY IS BOUNDED ON THE NORTH, EAST AND NORTHWEST BY THE STILLWATER AND PENOBSCOT RIVERS.
 3. DEEDS LOCATED IN THE PENOBSCOT REGISTRY OF DEEDS.
 4. AREAS ARE CALCULATED FROM PLAN, AND MAY NOT MATCH DEEDED AREAS.

- LEGEND
- EXISTING PAVEMENT AREAS
 - EXISTING AIRPORT PROPERTY LINES
 - INTERIOR PARCEL LINES
 - EXISTING ABUTTING PROPERTY LINES
 - CLEAR ZONE LIMITS
 - BRL BUILDING RESTRICTION LINE
 - AVIGATION EASEMENT AREAS



NOTE: DIMENSIONS OF AREA ARE UNDEFINED TO PERMIT CLEARING AS REQUIRED IN ANY PORTION OF THE APPROACH AREA. REFER TO UNRECORDED MEMORANDUM OF AGREEMENT BETWEEN THE UNIVERSITY OF MAINE AND THE CITY OF OLD TOWN DATED MAY 18, 1960 AND SHOWN ON PLAN ENTITLED "APPROACH ZONE RUNWAY 4-22" BY WILLIAM C. RYAN DATED APRIL 1960.



NOTE: THIS EXHIBIT "A" DRAWING WAS DONE PREVIOUSLY BY "HUNTER-BALLEW ASSOCIATES" - 6 FUNDY ROAD FALMOUTH, MAINE 04106. DATED 1991.

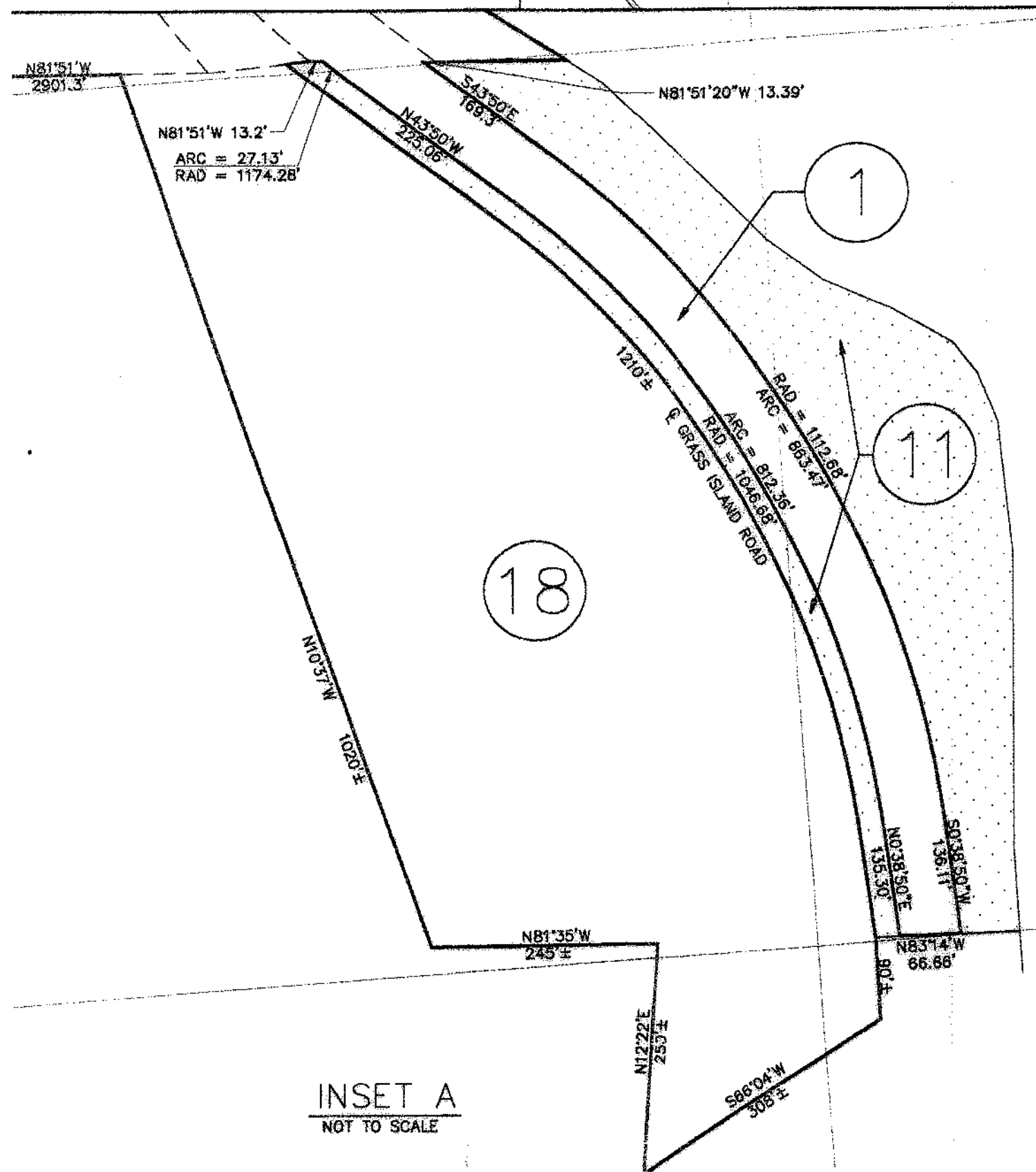
| REVISIONS | | STATE PROJECT NO. | | PROJECT DESIGNER | | OLD TOWN MUNICIPAL AIRPORT AIRPORT MASTER PLAN | |
|-----------|------|-------------------|--|------------------|---------------|--|--|
| BY | DATE | SAIP11.9047(1) | HOyle, Tanner & Associates, Inc. | EXHIBIT "A" | | DRAWING NO. 9 | |
| | | SAIP11.9047(1) | 150 DOW STREET - MANCHESTER, NH 03101 - 1227 | | | SHEET 9 OF 9 | |
| | | | Tel: (603) 689-5555 Fax: (603) 689-4166 | | | | |
| | | | www.hta-nh.com | | | | |
| | | | DES. BY: TLM | DR. BY: TDB | CHKD. BY: JRL | | |
| | | | DATE: DECEMBER, 2002 | | | | |
| | | | SCALE: AS SHOWN | | | | |

| PARCEL NO. | GRANTOR | GRANTEE | INSTRUMENT | BK/PG | DATE | AREA | REMARKS |
|------------|---------------------------|---------------------------|------------|-------------|----------|-----------|--------------------|
| 1 | USA | CITY OF OLD TOWN | FE | 1166/430 | 8-3-91 | 343.30 Ac | 1ST AP-4 AGREEMENT |
| 2 | PRINHAM ET ALS | CITY OF OLD TOWN | FE | 1177/290 | 12-17-41 | 0.45 Ac | CITY FUNDED |
| 3 | PERKINS | CITY OF OLD TOWN | FE | 1177/294 | 12-17-41 | 9.76 Ac | CITY FUNDED |
| 4 | NEPTUNE | CITY OF OLD TOWN | EASEMENT | 1182/4 | 10-30-63 | 11.08 Ac | CITY FUNDED |
| 5 | LEWIS ET ALS | CITY OF OLD TOWN | EASEMENT | 1192/305 | 9-27-42 | 8.12 Ac | CITY FUNDED |
| 6 | LOAR | CITY OF OLD TOWN | EASEMENT | 1192/306 | 9-27-42 | 4.87 Ac | CITY FUNDED |
| 7 | JOHN | CITY OF OLD TOWN | EASEMENT | 1192/307 | 9-27-42 | 8.18 Ac | CITY FUNDED |
| 8 | JOHN | CITY OF OLD TOWN | FE | 1219/291 | 8-28-45 | 15.39 Ac | CITY FUNDED |
| 9 | SOLUNSKI | CITY OF OLD TOWN | FE | 1229/28 | 12-16-46 | 15.66 Ac | CITY FUNDED |
| 10 | BANGOR HYDRO ELECTRIC CO. | CITY OF OLD TOWN | EASEMENT | 1263/202 | 8-4-47 | 12.17 Ac | CITY FUNDED |
| 11 | NEPTUNE | CITY OF OLD TOWN | EASEMENT | 1262/495 | 7-19-48 | 3.80 Ac | FAA# 8-17-004-5902 |
| 12 | COLLETT | CITY OF OLD TOWN | EASEMENT | 1713/353 | 1-27-59 | 0.84 Ac | FAA# 8-17-004-5902 |
| 13 | FRANCIS ET ALS | CITY OF OLD TOWN | EASEMENT | 1713/358 | 1-29-59 | 10.18 Ac | FAA# 8-17-004-5902 |
| 14 | MITCHELL | CITY OF OLD TOWN | EASEMENT | 1713/361 | 1-28-59 | 23.38 Ac | FAA# 8-17-004-5902 |
| 14a,c | RAND ET ALS | CITY OF OLD TOWN | EASEMENT | 1713/363 | 1-28-59 | 46.18 Ac | FAA# 8-17-004-5902 |
| 15 | BUZZELL | CITY OF OLD TOWN | EASEMENT | 1713/368 | 1-28-59 | 0.7-0.9 | FAA# 8-17-004-5902 |
| 16 | PAUL ET ALS | CITY OF OLD TOWN | EASEMENT | 1713/368 | 1-28-59 | 0.7-0.9 | FAA# 8-17-004-5902 |
| 17 | BANGOR HYDRO ELECTRIC CO. | CITY OF OLD TOWN | FE | 1713/368 | 1-28-59 | 0.7-0.9 | FAA# 8-17-004-5902 |
| 18 | OLD TOWN DEVELOPMENT CO. | CITY OF OLD TOWN | FE | 1713/371 | 1-28-59 | 0.7-0.9 | FAA# 8-17-004-5902 |
| 19 | UNIVERSITY OF MAINE | CITY OF OLD TOWN | EASEMENT | 1713/374 | 1-28-59 | 0.7-0.9 | FAA# 8-17-004-5902 |
| 20 | SHERWOOD ET ALS | CITY OF OLD TOWN | FE | 1756/148 | 11-22-50 | 2.83 Ac | FAA# 8-17-004-5903 |
| 21 | DEWITT | CITY OF OLD TOWN | FE | 1756/221 | 12-5-50 | 3.82 Ac | FAA# 8-17-004-5903 |
| 22 | CITY OF OLD TOWN | BANGOR HYDRO ELECTRIC CO. | EASEMENT | 1869/58 | 10-12-62 | 1.62 Ac | UTILITY POLES |
| 23 | DEWITT | CITY OF OLD TOWN | EASEMENT | 2345/42 | 4-30-73 | 0.26 Ac | |
| 24 | PREBLE | CITY OF OLD TOWN | FE | 2356/16 | 2-14-79 | 102.26 Ac | FAA# 8-23-0034-02 |
| 25 | ROY | CITY OF OLD TOWN | FE | 2353/21-228 | 2-3-79 | 22.1 Ac | FAA# 8-23-0034-02 |
| | | | FE | 2353/21-228 | 2-3-79 | 22.1 Ac | FAA# 8-23-0034-02 |

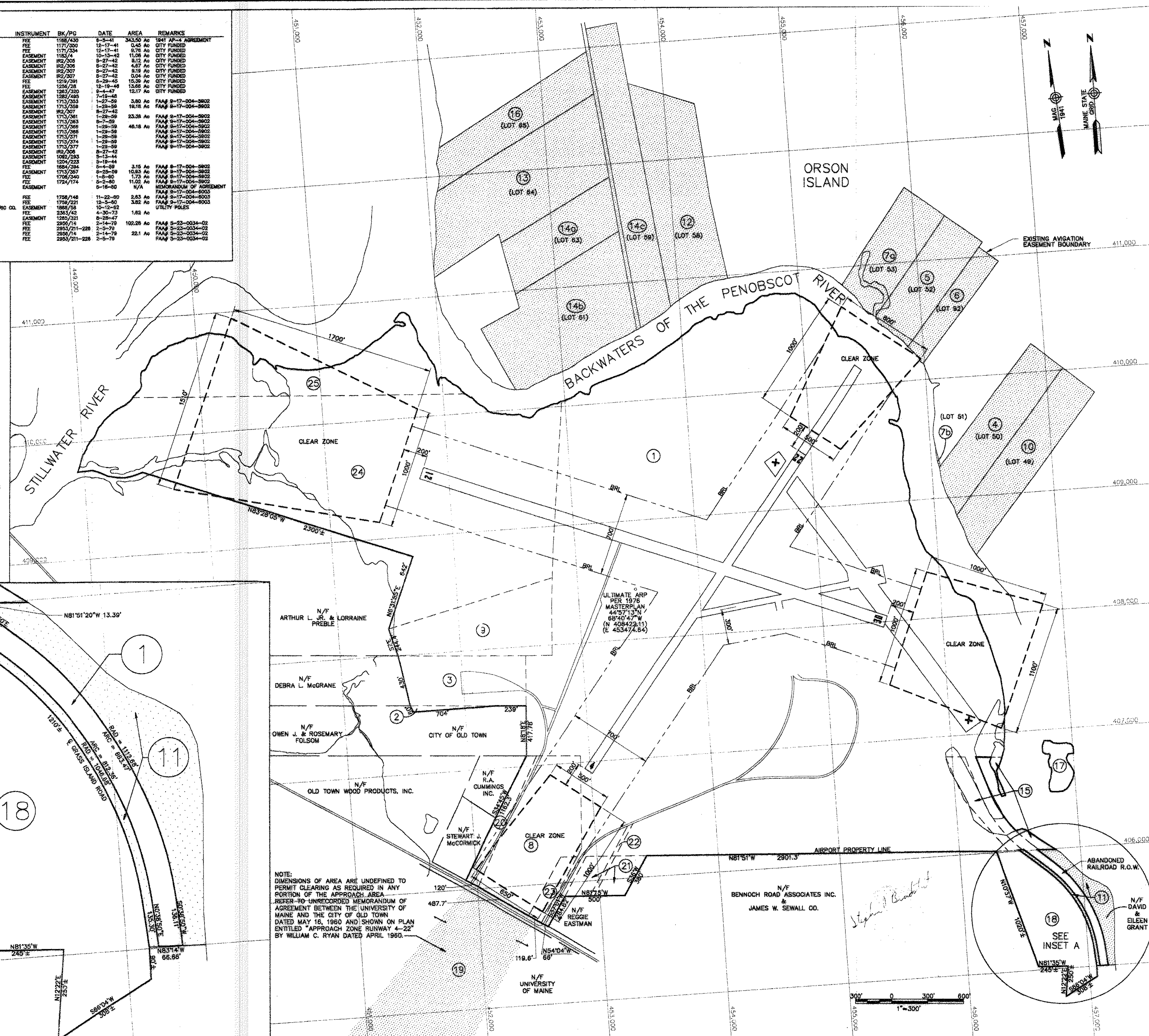
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LEGEND

- EXISTING PAVEMENT AREAS
- EXISTING AIRPORT PROPERTY LINES
- INTERIOR PARCEL LINES
- EXISTING ADJUTING PROPERTY LINES
- CLEAR ZONE LIMITS
- BRL BUILDING RESTRICTION LINE
- AVIGATION EASEMENT AREAS



NOTE: DIMENSIONS OF AREA ARE UNDEFINED TO PERMIT CLEARING AS REQUIRED IN ANY PORTION OF THE APPROACH AREA. REFER TO UNRECORDED MEMORANDUM OF AGREEMENT BETWEEN THE UNIVERSITY OF MAINE AND THE CITY OF OLD TOWN DATED MAY 16, 1980 AND SHOWN ON PLAN ENTITLED "APPROACH ZONE RUNWAY 4-22" BY WILLIAM C. RYAN DATED APRIL 1980.



| | | | | | |
|--|--|---|--|--------------------------|--|
| REVISED | | BY | | DESCRIPTION | |
| DATE | | DATE | | DATE | |
| NEW | | NEW | | NEW | |
| STATE PROJECT NO. | | SAIP11.9047(1) | | OLD TOWN PROJECT NO. | |
| PROJECT NO. | | 008792.03 | | 008792.03 | |
| PROJECT DESIGNER | | Hoyle, Tanner & Associates, Inc. | | HTA Consulting Engineers | |
| 150 DOW STREET - MANCHESTER, NH 03101 - 1227 | | Tel: (603) 689-5555 Fax: (603) 689-4168 | | WEB PAGE: www.hta-nh.com | |
| DES. BY | | TLM | | CHKD. BY | |
| DATE | | DECEMBER, 2002 | | JRL | |
| SCALE | | AS SHOWN | | TDS | |
| OLD TOWN MUNICIPAL AIRPORT | | AIRPORT MASTER PLAN | | EXHIBIT 'A' | |
| HTA PROJ. No. | | 302901.03 | | otexhibita.dwg | |
| DRAWING NO. | | 9 | | 9 | |
| SHEET | | 9 OF 9 | | REV | |

NOTE: THIS EXHIBIT "A" DRAWING WAS DONE PREVIOUSLY BY "HUNTER-BALLEW ASSOCIATES" - 6 FUNDY ROAD FALMOUTH, MAINE 04106, DATED 1991.