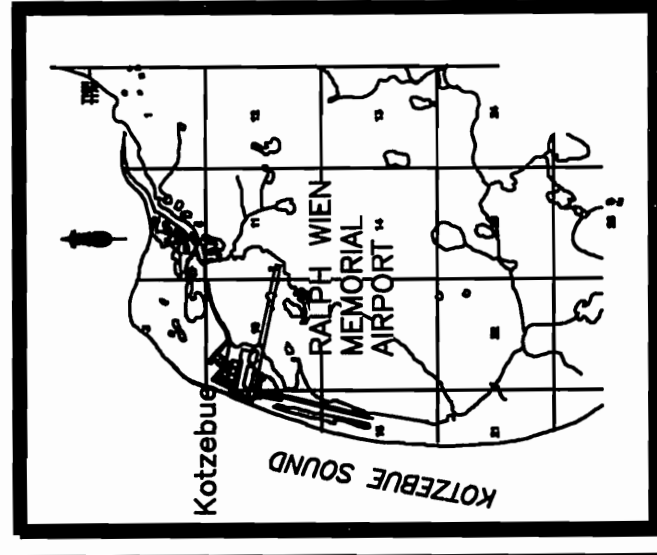


LOCATION MAP  
NO SCALE



VICINITY MAP  
SEC. 9, 10, 15, 16, 17N, R18W,  
K.R.M., USGS KOTZEBUE (D-2) 1951

| AIRPORT DATA                         |                                       |
|--------------------------------------|---------------------------------------|
| NATIONAL AIRPORT IDENTIFIER - OZ     | ULTIMATE                              |
| AIRPORT ELEVATION (MSL)              | 14.0'                                 |
| AIRPORT REFERENCE CODE               | CH/BI/AI                              |
| MEAN HIGH TEMP. HOTTEST MONTH (JULY) | 59°F                                  |
| TAXIWAY LIGHTING                     | MIL/INTL                              |
| RAMP LIGHTING                        | FLOODLIGHTS                           |
| NAVIGATION AIDS                      | LS/DME (IF VOR)<br>VOR, NDB, RVR, OAS |
| COMMUNICATION AIDS                   | CTAF, UNICOM, FSS                     |
| * AIRPORT REFERENCE POINT (ARP)      | 68°53'04.90"N                         |
| R/W STA. 19+83.48, 1346.84' RT.      | LAT. 68°53'21.87"N                    |
| THRESHOLD 9: STA. 1+00               | LONG. 162°36'33.64"W                  |
| THRESHOLD 27: STA. 80+00             | LAT. 68°53'10.10"N                    |
| THRESHOLD 18: STA. 2+75              | LONG. 162°54'09.03"W                  |
| THRESHOLD 36: STA. 41+51             | LAT. 68°53'08.38"N                    |
| WATERLANE THRESHOLD 1: STA. 28+00    | LONG. 162°36'33.57"W                  |
| WATERLANE THRESHOLD 18: STA. 0+00    | LAT. 68°52'45.67"N                    |
| WATERLANE THRESHOLD 19: STA. 0+00    | LONG. 162°37'00.37"W                  |
| WATERLANE THRESHOLD 19: STA. 0+00    | LAT. 68°53'09.17"N                    |
| WATERLANE THRESHOLD 19: STA. 0+00    | LONG. 162°36'41.97"W                  |

\* ARP CALCULATION DOES NOT INCLUDE ULTIMATE WATERLANE DATA BASE CONTROL YEAR: MAD 83. VERTICAL DATUM IS BASED ON THE RECORD MLLW ELEVATION. THE ALASKA STATE PLANE GRID BEARING FOR R/W 9-27 IS S 77°40' 01" E. THE GEODETIC COORDINATES WERE CALCULATED FROM GPS READINGS ON R/W 9-27 CENTERLINE MONUMENT AT STA. 0+00.

| RUNWAY DATA                  |              |              |              |              |
|------------------------------|--------------|--------------|--------------|--------------|
| * WIND COVERAGE              | EXISTING     | 13.5M/8 MPH  | ULTIMATE     | 13.5M/8 MPH  |
|                              | ULTIMATE     | N/A          | 13.5M/8 MPH  | 13.5M/8 MPH  |
| INSTRUMENT RUNWAY            | ASPHALT      | ASPHALT      | ASPHALT      | ASPHALT      |
| RUNWAY SURFACE TYPE          | ASPHALT      | ASPHALT      | ASPHALT      | ASPHALT      |
| APPROACH VISIBILITY MINIMUM  | >5/7mi       | >5/7mi       | >5/7mi       | >5/7mi       |
| PAVEMENT STRENGTH            | 128,000#     | 128,000#     | 128,000#     | 128,000#     |
| APPROACH SURFACES            | 50:1/20:1    | 50:1/20:1    | 50:1/20:1    | 50:1/20:1    |
| RUNWAY LIGHTING              | HIRL         | HIRL         | HIRL         | HIRL         |
| RUNWAY MARKING               | PRECISION    | PRECISION    | PRECISION    | PRECISION    |
| VISUAL APPROACH AIDS         | VASI, RELS.  | VASI, RELS.  | VASI, RELS.  | VASI, RELS.  |
| R/W TOUCHDOWN ZONE           | 13.2/74.4'   | 13.2/74.4'   | 13.2/74.4'   | 13.2/74.4'   |
| ELEVATIONS                   | 5900' x 150' | 5900' x 150' | 5900' x 150' | 5900' x 150' |
| R/W DIMENSIONS               | 6200' x 340' | 6200' x 340' | 6200' x 340' | 6200' x 340' |
| R/W OBJECT FREE AREA (ROFA)  | 7900' x 500' | 7900' x 500' | 7900' x 500' | 7900' x 500' |
| R/W OBSTACLE FREE AREA (OFA) | 6300' x 400' | 6300' x 400' | 6300' x 400' | 6300' x 400' |
| R/W OBSTACLE FREE ZONE (OFZ) | SEE CHART    | SEE CHART    | SEE CHART    | SEE CHART    |
| T/W WIDTH                    | SEE CHART    | SEE CHART    | SEE CHART    | SEE CHART    |
| T/W SAFETY AREA WIDTH        | SEE CHART    | SEE CHART    | SEE CHART    | SEE CHART    |

| NONSTANDARD CONDITIONS                |          |             |
|---------------------------------------|----------|-------------|
| ITEM                                  | STANDARD | EXISTING    |
| R/W 9-27                              | 500'     | 340'        |
| S.A. WIDTH                            | 1000'    | 402/400'    |
| S.A. LENGTH BEYOND THRESHOLD          | NONE     | YES         |
| ACCESS RD. IN SAFETY AREA             | 300'     | 300'/240'   |
| S.A. LENGTH BEYOND THRESHOLD          | 80'      | 50'/50'/80' |
| T/W S.A. WIDTHS                       | 300' RT. | 225' RT.    |
| WATERLANE ACCESS ROAD                 | 10,000'  | 250'        |
| SEWAGE LAGOON SEPARATION FROM R/W C/A | NONE     | 150'        |
| GENERAL AVIATION PARKING IN ROFA      | NONE     | YES         |
| AIR FORCE ROAD IN ROFA                | NONE     | YES         |

| DESIGN | KEK     | DATE                 | REVISIONS |
|--------|---------|----------------------|-----------|
| KEK    | JUNE 09 | ALP AS-BUILT         |           |
| KEK    | 2/01/11 | GATES UPDATE         |           |
| KEK    | 3/21/11 | UPDATED FAA 3/7/2011 |           |
| NBS    |         |                      |           |

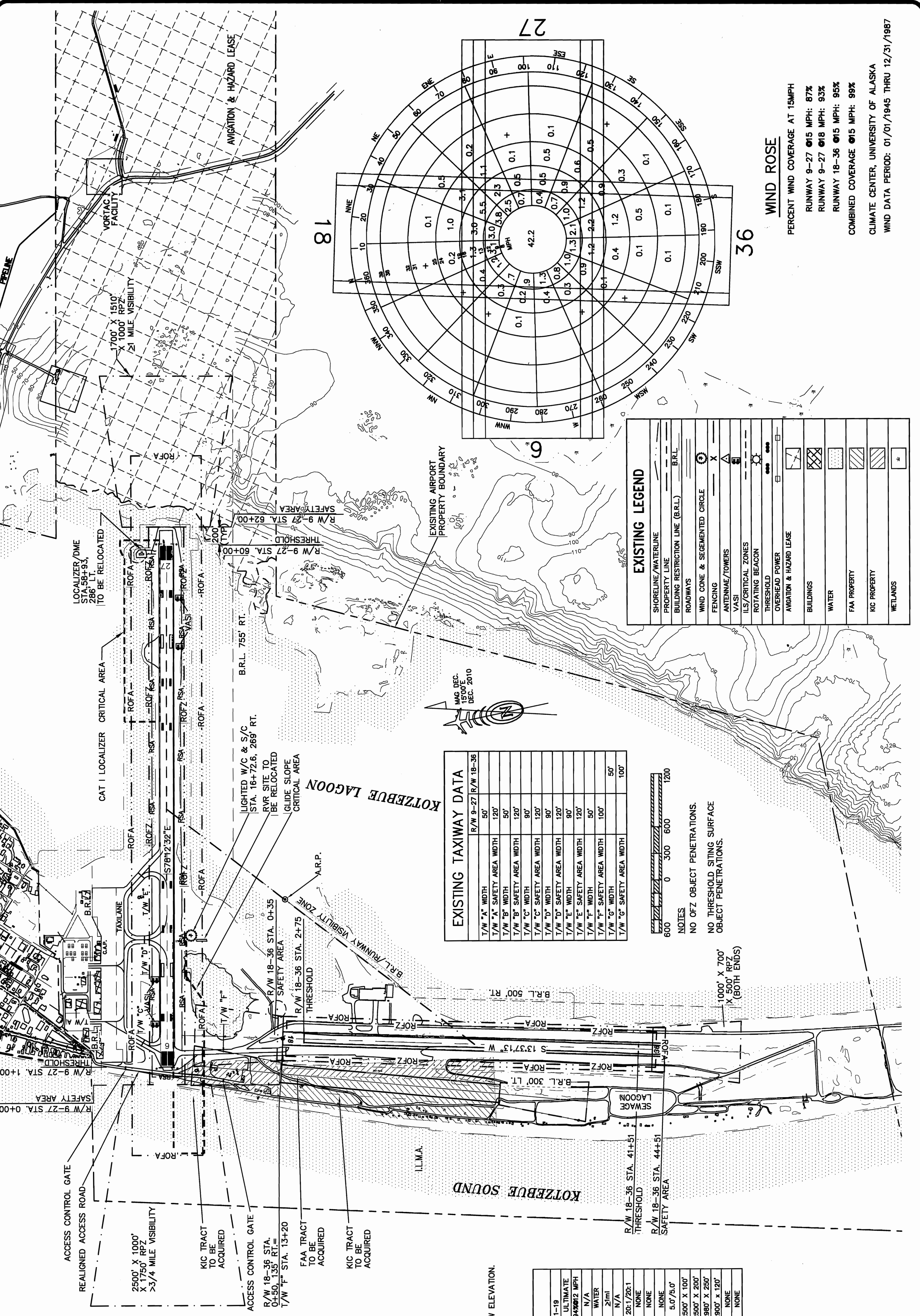
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
RALPH WIEN MEMORIAL AIRPORT  
APPROVED: *Ryan Anderson* DATE: 5/19/2011  
RYAN ANDERSON P.E. AIRPORT DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED  
BY LETTER DATED: 5/16/11  
AIRPORTS DIVISION,  
ALASKAN REGION, AAL-601  
AIRSPACE REVIEW #2011-AAL-19-NRA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.  
THIS ALP SUPERSEDES ALP SIGNED: 12/15/99  
THIS ALP IS BASED ON THE FOLLOWING PROJECT(S)  
RECORD DRAWINGS:  
KOTZEBUE EASTSIDE OBSTRUCTION REMOVAL AND SAFETY AREA EXPANSION, 61318  
KOTZEBUE ARFF & SREB, 60556  
KOTZEBUE SAND STORAGE, 62611  
AIRPORT COMPLIANCE, 63184

RALPH WIEN MEMORIAL AIRPORT  
KOTZEBUE, ALASKA  
EXISTING  
AIRPORT LAYOUT PLAN

SHEET 1 OF 12



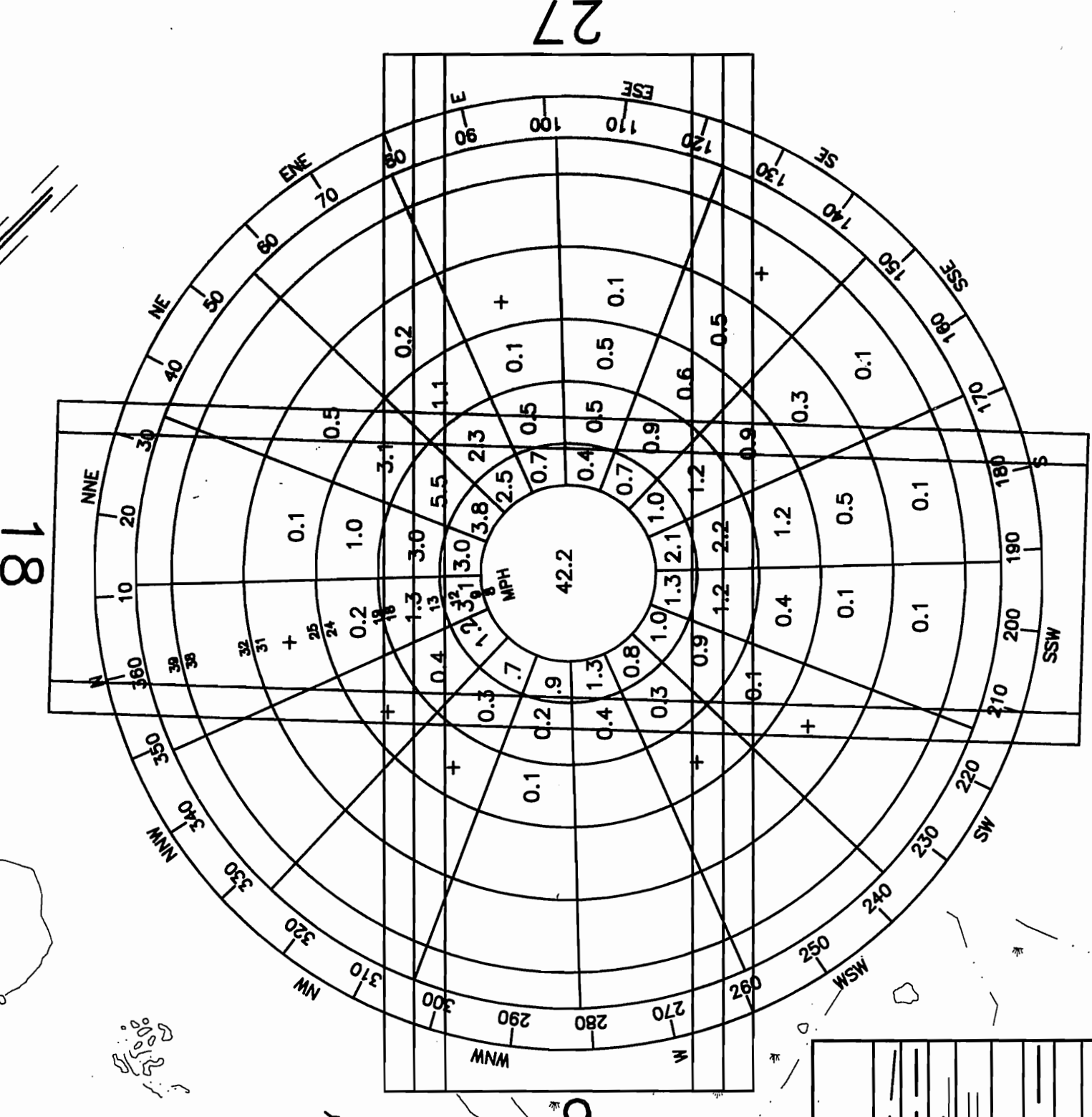
| EXISTING TAXIWAY DATA     |      |
|---------------------------|------|
| T/W "A" WIDTH             | 50'  |
| T/W "A" SAFETY AREA WIDTH | 120' |
| T/W "B" WIDTH             | 50'  |
| T/W "B" SAFETY AREA WIDTH | 120' |
| T/W "C" WIDTH             | 90'  |
| T/W "C" SAFETY AREA WIDTH | 120' |
| T/W "D" WIDTH             | 90'  |
| T/W "D" SAFETY AREA WIDTH | 120' |
| T/W "E" WIDTH             | 90'  |
| T/W "E" SAFETY AREA WIDTH | 120' |
| T/W "F" WIDTH             | 50'  |
| T/W "F" SAFETY AREA WIDTH | 100' |
| T/W "G" WIDTH             | 50'  |
| T/W "G" SAFETY AREA WIDTH | 100' |

NOTES  
NO OFZ OBJECT PENETRATIONS.  
NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.

| EXISTING LEGEND                    |     |
|------------------------------------|-----|
| SHORELINE/WATERLINE                | --- |
| PROPERTY LINE                      | --- |
| BUILDING RESTRICTION LINE (B.R.L.) | --- |
| ROADWAYS                           | --- |
| WIND CONE & SEGMENTED CIRCLE       | --- |
| FENCING                            | --- |
| ANTENNAE/TOWERS                    | --- |
| VASI                               | --- |
| ILS/CRITICAL ZONES                 | --- |
| ROTATING BEACON                    | --- |
| THRESHOLD                          | --- |
| OVERHEAD POWER                     | --- |
| AVIATION & HAZARD LEASE            | --- |
| BUILDINGS                          | --- |
| WATER                              | --- |
| FAA PROPERTY                       | --- |
| KIC PROPERTY                       | --- |
| WETLANDS                           | --- |

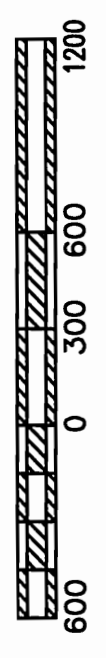
WIND ROSE

PERCENT WIND COVERAGE AT 15MPH  
RUNWAY 9-27 @15 MPH: 87%  
RUNWAY 9-27 @18 MPH: 93%  
RUNWAY 18-36 @15 MPH: 95%  
COMBINED COVERAGE @15 MPH: 99%  
CLIMATE CENTER, UNIVERSITY OF ALASKA  
WIND DATA PERIOD: 01/01/1945 THRU 12/31/1987



| EXISTING TAXIWAY DATA     |      |
|---------------------------|------|
| T/W "A" WIDTH             | 50'  |
| T/W "A" SAFETY AREA WIDTH | 120' |
| T/W "B" WIDTH             | 50'  |
| T/W "B" SAFETY AREA WIDTH | 120' |
| T/W "C" WIDTH             | 90'  |
| T/W "C" SAFETY AREA WIDTH | 120' |
| T/W "D" WIDTH             | 90'  |
| T/W "D" SAFETY AREA WIDTH | 120' |
| T/W "E" WIDTH             | 90'  |
| T/W "E" SAFETY AREA WIDTH | 120' |
| T/W "F" WIDTH             | 50'  |
| T/W "F" SAFETY AREA WIDTH | 100' |
| T/W "G" WIDTH             | 50'  |
| T/W "G" SAFETY AREA WIDTH | 100' |

MAG. DEC.  
DEC. 2010



NOTES  
NO OFZ OBJECT PENETRATIONS.  
NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.

|         |     |
|---------|-----|
| DESIGN  | KEK |
| DRAWN   | KEK |
| CHECKED | NBS |

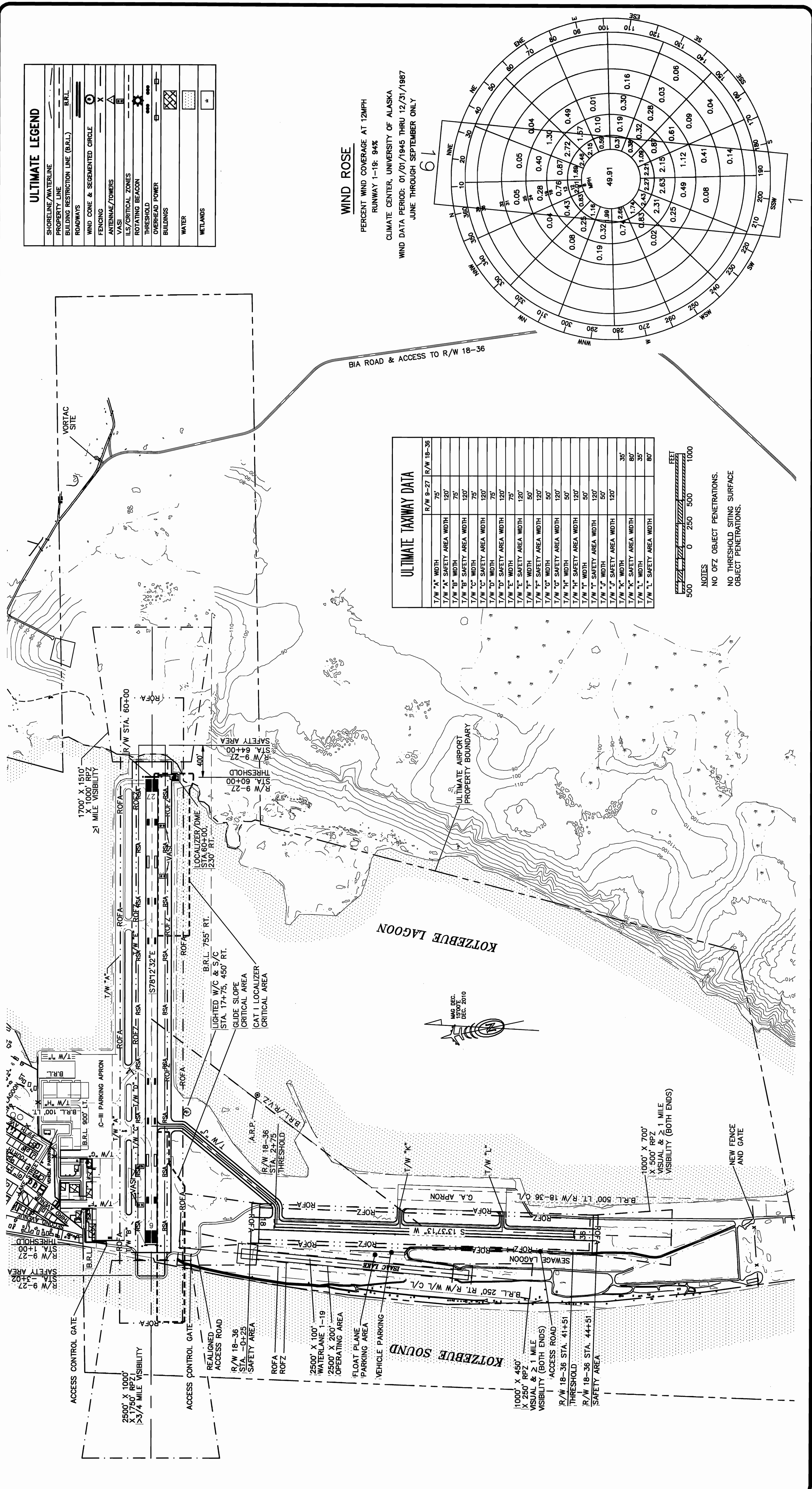
| BY  | DATE    | REVISIONS                |
|-----|---------|--------------------------|
| EJM | 5/25/05 | ADDED SAND STORAGE BLDG. |
| TAD | 4/11/05 | FAA APPROVED             |
| KEK | JUNE 09 | ALP AS-BUILT             |
| BCL | 2/01/11 | GATES UPDATE             |
| SMT | 3/21/11 | UPDATED FAA 3/7/2011     |

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 RALPH WIEN MEMORIAL AIRPORT  
 APPROVED: *Ryan Anderson* DATE: *5/19/11*  
 RYAN ANDERSON P.E. AIRPORT DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: *5/14/11*  
 AIRPORTS DIVISION,  
 ALASKAN REGION, AAL-601  
 AIRSPACE REVIEW #2011-AAL-19-NRA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.  
 THIS ALP SUPERSEDES ALP SIGNED: 04/11/05  
 THIS ALP IS BASED ON THE FOLLOWING PROJECT(S)  
 RECORD DRAWINGS:  
 KOTZEBUE EASTSIDE OBSTRUCTION REMOVAL AND  
 SAFETY AREA EXPANSION, 61318  
 KOTZEBUE ARFF & SREB, 60556  
 KOTZEBUE SAND STORAGE, 62611  
 AIRPORT COMPLIANCE, 63184

RALPH WIEN MEMORIAL AIRPORT  
 KOTZEBUE, ALASKA  
 ULTIMATE  
 AIRPORT LAYOUT PLAN

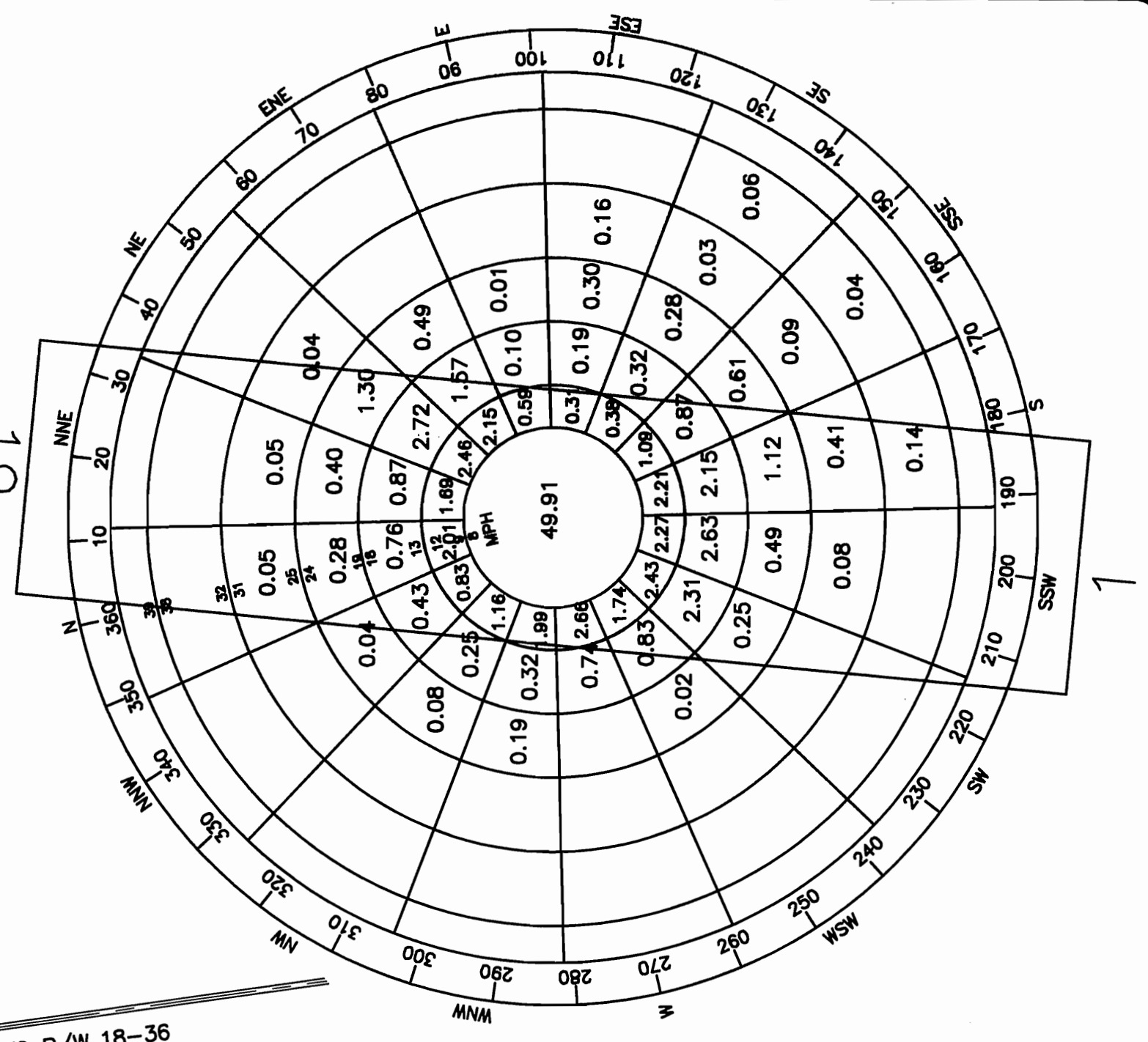


**ULTIMATE TAXWAY DATA**

| T/W "A" WIDTH             | R/W 9-27 | R/W 18-36 |
|---------------------------|----------|-----------|
| T/W "A" SAFETY AREA WIDTH | 75'      |           |
| T/W "B" WIDTH             | 75'      |           |
| T/W "B" SAFETY AREA WIDTH | 120'     |           |
| T/W "C" WIDTH             | 75'      |           |
| T/W "C" SAFETY AREA WIDTH | 120'     |           |
| T/W "D" WIDTH             | 75'      |           |
| T/W "D" SAFETY AREA WIDTH | 120'     |           |
| T/W "E" WIDTH             | 75'      |           |
| T/W "E" SAFETY AREA WIDTH | 120'     |           |
| T/W "F" WIDTH             | 50'      |           |
| T/W "F" SAFETY AREA WIDTH | 120'     |           |
| T/W "G" WIDTH             | 50'      |           |
| T/W "G" SAFETY AREA WIDTH | 120'     |           |
| T/W "H" WIDTH             | 50'      |           |
| T/W "H" SAFETY AREA WIDTH | 120'     |           |
| T/W "I" WIDTH             | 50'      |           |
| T/W "I" SAFETY AREA WIDTH | 120'     |           |
| T/W "J" WIDTH             | 35'      |           |
| T/W "J" SAFETY AREA WIDTH | 80'      |           |
| T/W "K" WIDTH             | 35'      |           |
| T/W "K" SAFETY AREA WIDTH | 80'      |           |
| T/W "L" WIDTH             | 35'      |           |
| T/W "L" SAFETY AREA WIDTH | 80'      |           |

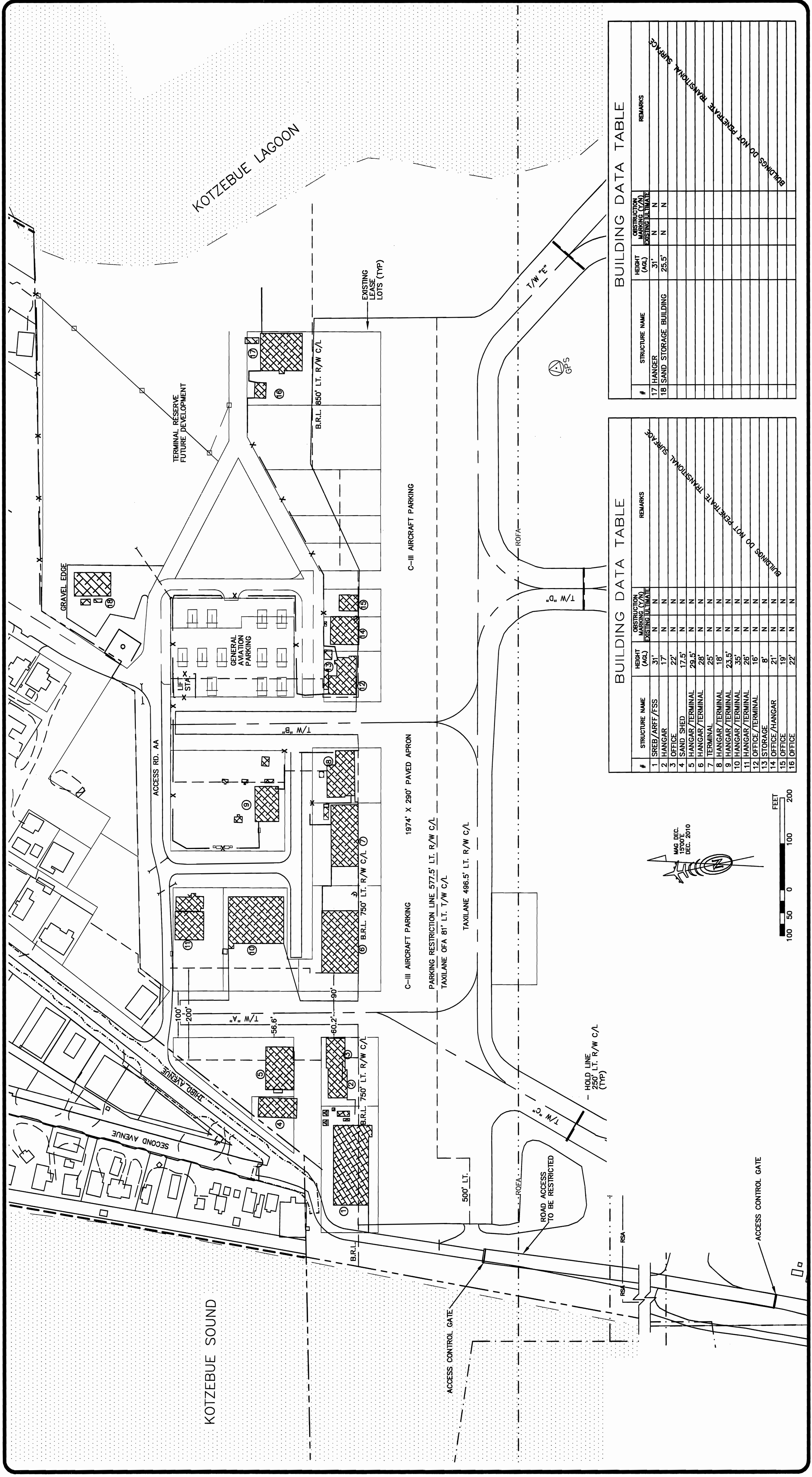
FEET  
 500 0 250 500 1000  
 NOTES  
 NO OFZ OBJECT PENETRATIONS.  
 NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.

**WIND ROSE**  
 PERCENT WIND COVERAGE AT 12MPH  
 RUNWAY 1-19: 94%  
 CLIMATE CENTER, UNIVERSITY OF ALASKA  
 WIND DATA PERIOD: 01/01/1945 THRU 12/31/1987  
 JUNE THROUGH SEPTEMBER ONLY



**ULTIMATE LEGEND**

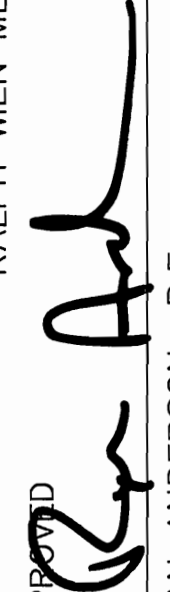
|                                    |     |
|------------------------------------|-----|
| SHORELINE/WATERLINE                | --- |
| PROPERTY LINE                      | --- |
| BUILDING RESTRICTION LINE (B.R.L.) | --- |
| ROADWAYS                           | --- |
| WIND CONE & SEGMENTED CIRCLE       | ⊙   |
| FENCING                            | --- |
| ANTENNAE/TOWERS                    | ⊙   |
| VASI                               | ⊙   |
| ILS/CRITICAL ZONES                 | ⊙   |
| ROTATING BEACON                    | ⊙   |
| THRESHOLD                          | --- |
| OVERHEAD POWER                     | --- |
| BUILDINGS                          | --- |
| WATER                              | --- |
| WETLANDS                           | --- |




Plotted 4/6/2011 7:12 AM by Steve Jaden  
 I:\172900\Drawings\C\ALP Update\ALP\Kotz Dwg\1282.01-4-KOTZ\_1-3-6.dwg

DESIGN KEK  
 DRAWN KEK  
 CHECKED NBS

| BY DATE         | REVISIONS            |
|-----------------|----------------------|
| KEK JUNE 09/ALP | AS-BUILT             |
| BCL 2/01/11     | GATES UPDATE         |
| SMT 3/21/11     | UPDATED FAA 3/7/2011 |

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 RALPH WIEN MEMORIAL AIRPORT  
 APPROVED:   
 RYAN ANDERSON P.E.  
 AIRPORT DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: 5/16/11  
  
 AIRPORTS DIVISION  
 ALASKAN REGION, AAL-601  
 AIRSPACE REVIEW #2011-AAL-19-NRA

PLANS DEVELOPED BY: RAM CONSULTANTS, INC.  
 THIS ALP SUPERSEDES ALP SIGNED: 12/15/99  
 THIS ALP IS BASED ON THE FOLLOWING PROJECT(S)  
 RECORD DRAWINGS:  
 KOTZEBUE EASTSIDE OBSTRUCTION REMOVAL AND  
 SAFETY AREA EXPANSION, 61318  
 KOTZEBUE ARFF & SREB, 60556  
 KOTZEBUE SAND STORAGE, 62611  
 AIRPORT COMPLIANCE, 63184

RALPH WIEN MEMORIAL AIRPORT  
 KOTZEBUE, ALASKA  
**R/W 9-27 TERMINAL PLAN**  
**EXISTING TERMINAL LAYOUT**  
 SHEET 3 OF 12

BUILDING DATA TABLE

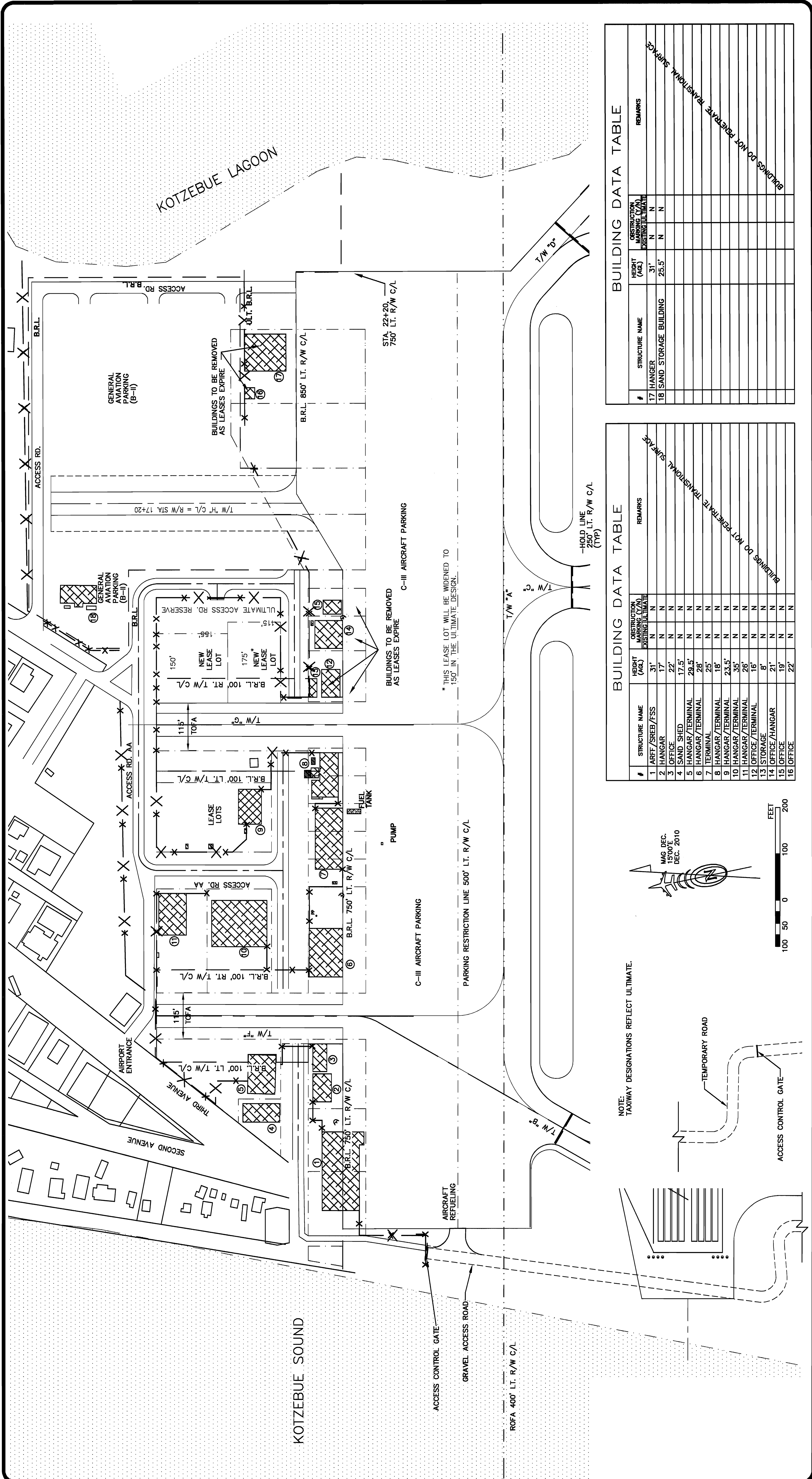
| #  | STRUCTURE NAME  | HEIGHT (AGL) | CONSTRUCTION MARKING (Y/N) | REMARKS |
|----|-----------------|--------------|----------------------------|---------|
| 1  | SREB/ARFF/ESS   | 17'          | N                          |         |
| 2  | HANGAR          | 22'          | N                          |         |
| 3  | OFFICE          | 17.5'        | N                          |         |
| 4  | SAND SHED       | 29.5'        | N                          |         |
| 5  | HANGAR/TERMINAL | 28'          | N                          |         |
| 6  | HANGAR/TERMINAL | 25'          | N                          |         |
| 7  | TERMINAL        | 18'          | N                          |         |
| 8  | HANGAR/TERMINAL | 23.5'        | N                          |         |
| 9  | HANGAR/TERMINAL | 35'          | N                          |         |
| 10 | HANGAR/TERMINAL | 26'          | N                          |         |
| 11 | HANGAR/TERMINAL | 16'          | N                          |         |
| 12 | OFFICE/TERMINAL | 8'           | N                          |         |
| 13 | STORAGE         | 21'          | N                          |         |
| 14 | OFFICE/HANGAR   | 19'          | N                          |         |
| 15 | OFFICE          | 22'          | N                          |         |
| 16 | OFFICE          |              | N                          |         |

BUILDINGS DO NOT PERMIT RE-TRANSFERRAL SURFACE

BUILDING DATA TABLE

| #  | STRUCTURE NAME        | HEIGHT (AGL) | CONSTRUCTION MARKING (Y/N) | REMARKS |
|----|-----------------------|--------------|----------------------------|---------|
| 17 | HANGAR                | 31'          | N                          |         |
| 18 | SAND STORAGE BUILDING | 25.5'        | N                          |         |

BUILDINGS DO NOT PERMIT RE-TRANSFERRAL SURFACE



NOTE: TAXIWAY DESIGNATIONS REFLECT ULTIMATE.

| #  | STRUCTURE NAME        | HEIGHT (AGL) | OBSTRUCTION MARKING (C/A) REFLECTS ULTIMATE | REMARKS |
|----|-----------------------|--------------|---|---------|
| 17 | HANGER                | 31'          | N   |         |
| 18 | SAND STORAGE BUILDING | 25.5'        | N   |         |

| #  | STRUCTURE NAME  | HEIGHT (AGL) | OBSTRUCTION MARKING (C/A) REFLECTS ULTIMATE | REMARKS |
|----|-----------------|--------------|---|---------|
| 1  | ARFF/SREB/FSS   | 31'          | N   |         |
| 2  | HANGAR          | 17'          | N   |         |
| 3  | OFFICE          | 22'          | N   |         |
| 4  | SAND SHED       | 17.5'        | N   |         |
| 5  | HANGAR/TERMINAL | 29.5'        | N   |         |
| 6  | HANGAR/TERMINAL | 28'          | N   |         |
| 7  | TERMINAL        | 25'          | N   |         |
| 8  | HANGAR/TERMINAL | 18'          | N   |         |
| 9  | HANGAR/TERMINAL | 23.5'        | N   |         |
| 10 | HANGAR/TERMINAL | 35'          | N   |         |
| 11 | HANGAR/TERMINAL | 26'          | N   |         |
| 12 | OFFICE/TERMINAL | 16'          | N   |         |
| 13 | STORAGE         | 8'           | N   |         |
| 14 | OFFICE/HANGAR   | 21'          | N   |         |
| 15 | OFFICE          | 19'          | N   |         |
| 16 | OFFICE          | 22'          | N   |         |

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.  
 THIS ALP SUPERSEDES ALP SIGNED: 12/15/99  
 THIS ALP IS BASED ON THE FOLLOWING PROJECT(S)  
 RECORD DRAWINGS:  
 KOTZEBUE EASTSIDE OBSTRUCTION REMOVAL AND SAFETY AREA EXPANSION, 61318  
 KOTZEBUE ARFF & SREB, 60556  
 KOTZEBUE SAND STORAGE, 62511  
 AIRPORT COMPLIANCE, 63184

AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: 5/14/11

AIRPORTS DIVISION,  
 ALASKAN REGION, AAL-601  
 AIRSPACE REVIEW #2011-AAL-19-NRA

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 RALPH WIEN MEMORIAL AIRPORT

APPROVED: Ryan Anderson P.E.  
 DATE: 5/14/2011

DESIGN: KEK  
 DRAWN: KEK  
 CHECKED: NBS

BY DATE REVISIONS  
 KEK JUNE 09/ALP AS-BUILT  
 BCL 2/01/11 GATES UPDATE  
 SMT 3/21/11 UPDATED FAA 3/7/2011

Plotting 4/8/2011 7:16 AM by Steve Tilden  
 I:\113900\Dwgs\C\ALP Update\ALP\Kotz Dwgs\1282.01-4-KOTZ-4.dwg

DESIGN: KEK  
 DRAWN: KEK  
 CHECKED: NBS

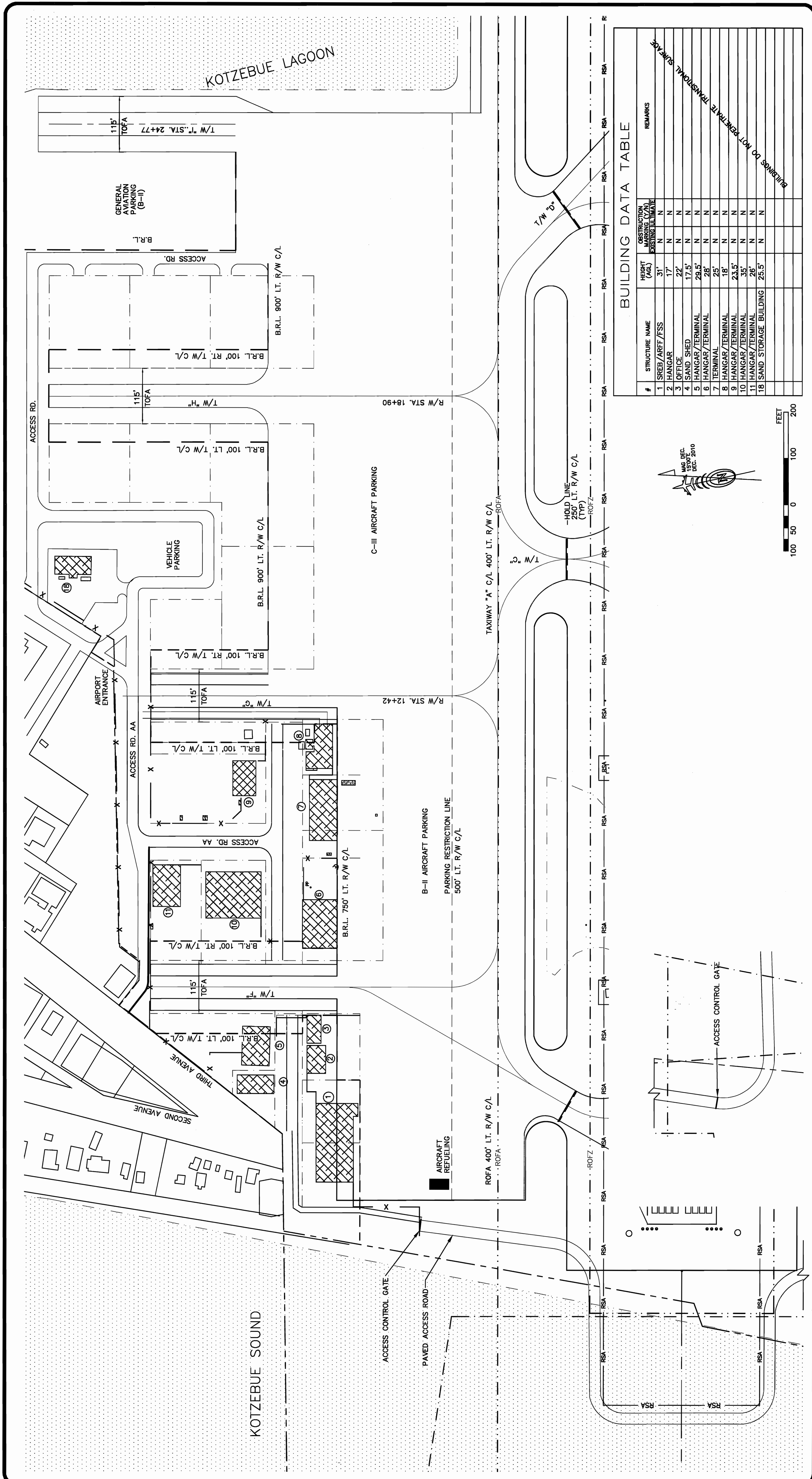
| BY  | DATE     | REVISIONS                 |
|-----|----------|---------------------------|
| RA  | 7/28/03  | UPDATE ARFF/SREB LOCATION |
| EJM | 11/13/04 | FAA APPROVED              |
| EJM | 5/25/05  | ADDED SAND STORAGE BDLG.  |
| TAD | 4/11/05  | FAA APPROVED              |
| KEK | JUNE 09  | ALP AS-BUILT              |
| BCI | 2/07/11  | GATES UPDATE              |
| SMT | 3/21/11  | UPDATED FAA 3/7/2011      |

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 RALPH WIEN MEMORIAL AIRPORT  
 APPROVED: *[Signature]* DATE: 5/16/11  
 RYAN ANDERSON P.E. AIRPORT DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: 5/16/11  
*[Signature]*  
 AIRPORTS DIVISION,  
 ALASKAN REGION, AAL-601  
 AIRSPACE REVIEW #2011-AAL-19-NRA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.  
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 THIS ALP IS BASED ON THE FOLLOWING PROJECT(S)  
 RECORD DRAWINGS:  
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 KOTZEBUE ARFF & SREB, 60556  
 KOTZEBUE SAND STORAGE, 62611  
 AIRPORT COMPLIANCE, 63184

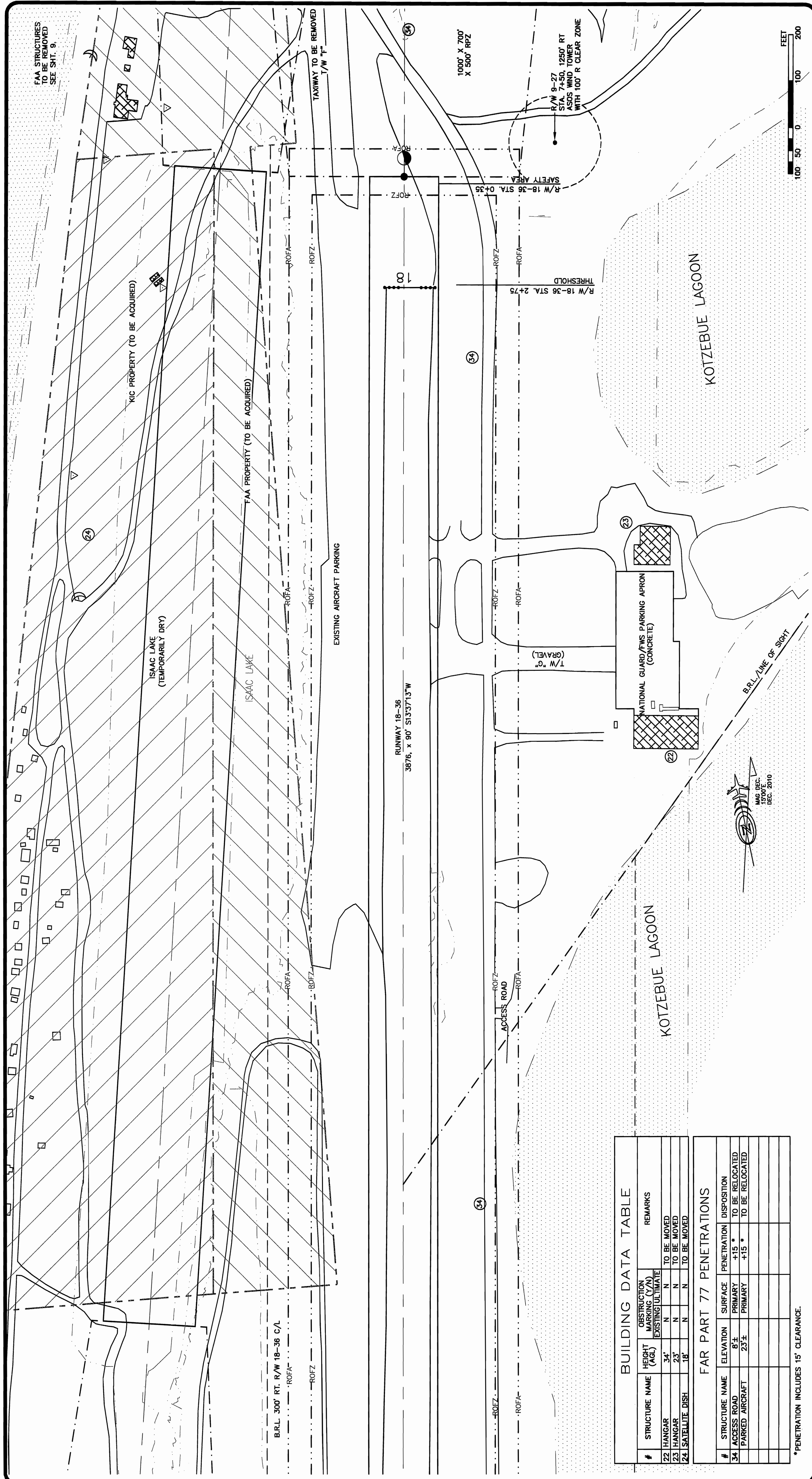
RALPH WIEN MEMORIAL AIRPORT  
 KOTZEBUE, ALASKA  
 R/W 9-27 TERMINAL PLAN  
 ULTIMATE TERMINAL LAYOUT



BUILDING DATA TABLE

| #  | STRUCTURE NAME        | HEIGHT (AGL) | OBSTRUCTION EXISTING DATE | REMARKS |
|----|-----------------------|--------------|---------------------------|---------|
| 1  | SREB/ARFF/FSS         | 31'          | N                         | N       |
| 2  | HANGAR                | 17'          | N                         | N       |
| 3  | OFFICE                | 22'          | N                         | N       |
| 4  | SAND SHED             | 17.5'        | N                         | N       |
| 5  | HANGAR/TERMINAL       | 29.5'        | N                         | N       |
| 6  | HANGAR/TERMINAL       | 28'          | N                         | N       |
| 7  | TERMINAL              | 25'          | N                         | N       |
| 8  | HANGAR/TERMINAL       | 18'          | N                         | N       |
| 9  | HANGAR/TERMINAL       | 23.5'        | N                         | N       |
| 10 | HANGAR/TERMINAL       | 35'          | N                         | N       |
| 11 | HANGAR/TERMINAL       | 26'          | N                         | N       |
| 1B | SAND STORAGE BUILDING | 25.5'        | N                         | N       |

REMARKS: DO NOT EXCEED 72 FEET THROUGH SURF TO TOP



**BUILDING DATA TABLE**

| #  | STRUCTURE NAME | HEIGHT (AGL) | OBSTRUCTION MARKING (Y/N) |          | REMARKS     |
|----|----------------|--------------|---------------------------|----------|-------------|
|    |                |              | EXISTING                  | ULTIMATE |             |
| 22 | HANGAR         | 34'          | N                         | N        | TO BE MOVED |
| 23 | HANGAR         | 23'          | N                         | N        | TO BE MOVED |
| 24 | SATELLITE DISH | 18'          | N                         | N        | TO BE MOVED |

**FAR PART 77 PENETRATIONS**

| #  | STRUCTURE NAME  | ELEVATION | SURFACE | PENETRATION | DISPOSITION     |
|----|-----------------|-----------|---------|-------------|-----------------|
| 34 | ACCESS ROAD     | 8±        | PRIMARY | +15 *       | TO BE RELOCATED |
|    | PARKED AIRCRAFT | 23±       | PRIMARY | +15 *       | TO BE RELOCATED |

\*PENETRATION INCLUDES 15' CLEARANCE.

DESIGN: KEK  
 DRAWN: KEK  
 CHECKED: NBS

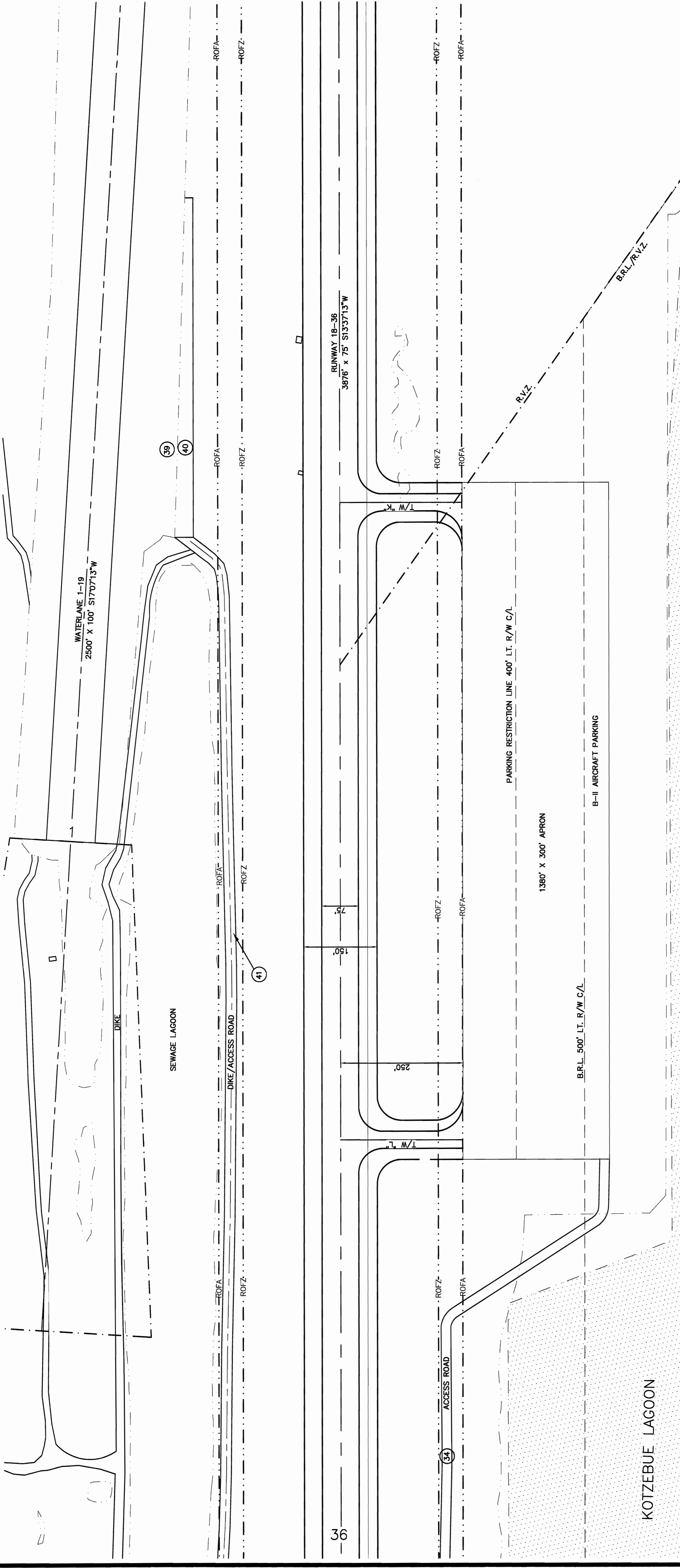
| BY  | DATE        | REVISIONS            |
|-----|-------------|----------------------|
| KEK | JUNE 09/ALP | AS-BUILT             |
| BCL | 2/01/11     | GATES UPDATE         |
| SMT | 3/21/11     | UPDATED FAA 3/7/2011 |

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 RALPH WIEN MEMORIAL AIRPORT  
 APPROVED: *Ryan Anderson*  
 RYAN ANDERSON P.E. AIRPORT DESIGN GROUP CHIEF  
 DATE: 5/19/2011

AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: 5/16/11  
 AIRPORTS DIVISION,  
 ALASKAN REGION, AAL-601  
 AIRSPACE REVIEW #2011-AAL-19-NRA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.  
 THIS ALP SUPERSEDES ALP SIGNED: 12/15/99  
 THIS ALP IS BASED ON THE FOLLOWING PROJECT(S)  
 RECORD DRAWINGS:  
 KOTZEBUE EASTSIDE OBSTRUCTION REMOVAL AND  
 SAFETY AREA EXPANSION, 61318  
 KOTZEBUE ARFF & SREB, 60556  
 KOTZEBUE SAND STORAGE, 62611  
 AIRPORT COMPLIANCE, 63184

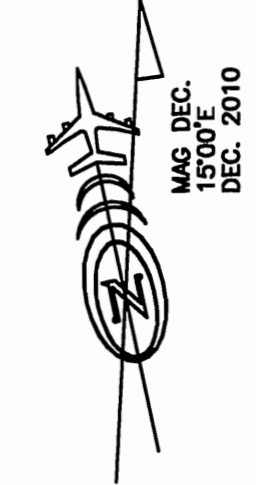
RALPH WIEN MEMORIAL AIRPORT  
 KOTZEBUE, ALASKA  
 R/W 18-36 TERMINAL PLAN  
 EXISTING TERMINAL LAYOUT  
 SHEET 6 OF 12



**FAR PART 77 PENETRATIONS**

| #  | STRUCTURE NAME  | TOP (MSL) ELEVATION | SURFACE      | PENETRATION | DISPOSITION/REMARKS                                |
|----|-----------------|---------------------|--------------|-------------|--|
| 34 | ACCESS ROAD     | 8'±                 | PRIMARY      | +15'        | NONE   |
| 39 | PARKED AIRCRAFT | 16'±                | TRANSITIONAL | NONE        | AS PER AIRCRAFT PARKING SEPARATIONS FOR A1 RUNWAY. |
| 40 | PARKED VEHICLES | 15'±                | TRANSITIONAL | NONE        | NONE   |
| 41 | ACCESS ROAD     | 8'±                 | PRIMARY      | +15'        | BEST SOLUTION FOR ACCESS                           |

\* 15' CLEARANCE INCLUDED IN CALCULATION.



NOTES  
 NO OFZ OBJECT PENETRATIONS.  
 NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.

100 50 0 100 200  
 FEET

DESIGN KEK  
 DRAWN KEK  
 CHECKED NBS

BY DATE REVISIONS

|     |         |                      |
|-----|---------|----------------------|
| KEK | JUNE 09 | ALP AS-BUILT         |
| BCL | 2/01/11 | GATES UPDATE         |
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STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 RALPH WIEN MEMORIAL AIRPORT

APPROVED *Ryan Anderson*  
 RYAN ANDERSON P.E.

DATE 5/19/2011  
 AIRPORT DESIGN GROUP CHIEF

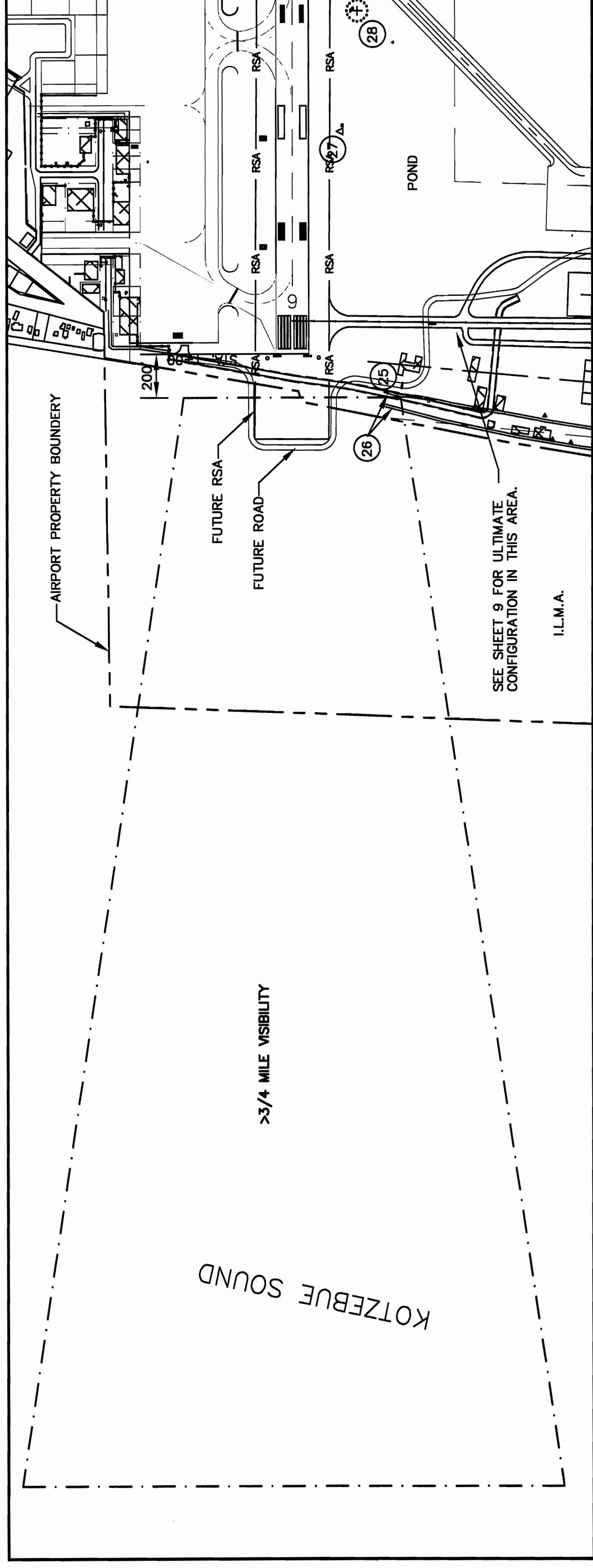
AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: 5/19/11

*Paul*  
 AIRPORTS DIVISION,  
 ALASKAN REGION, AAL-601  
 AIRSPACE REVIEW #2011-AAL-19-NRA

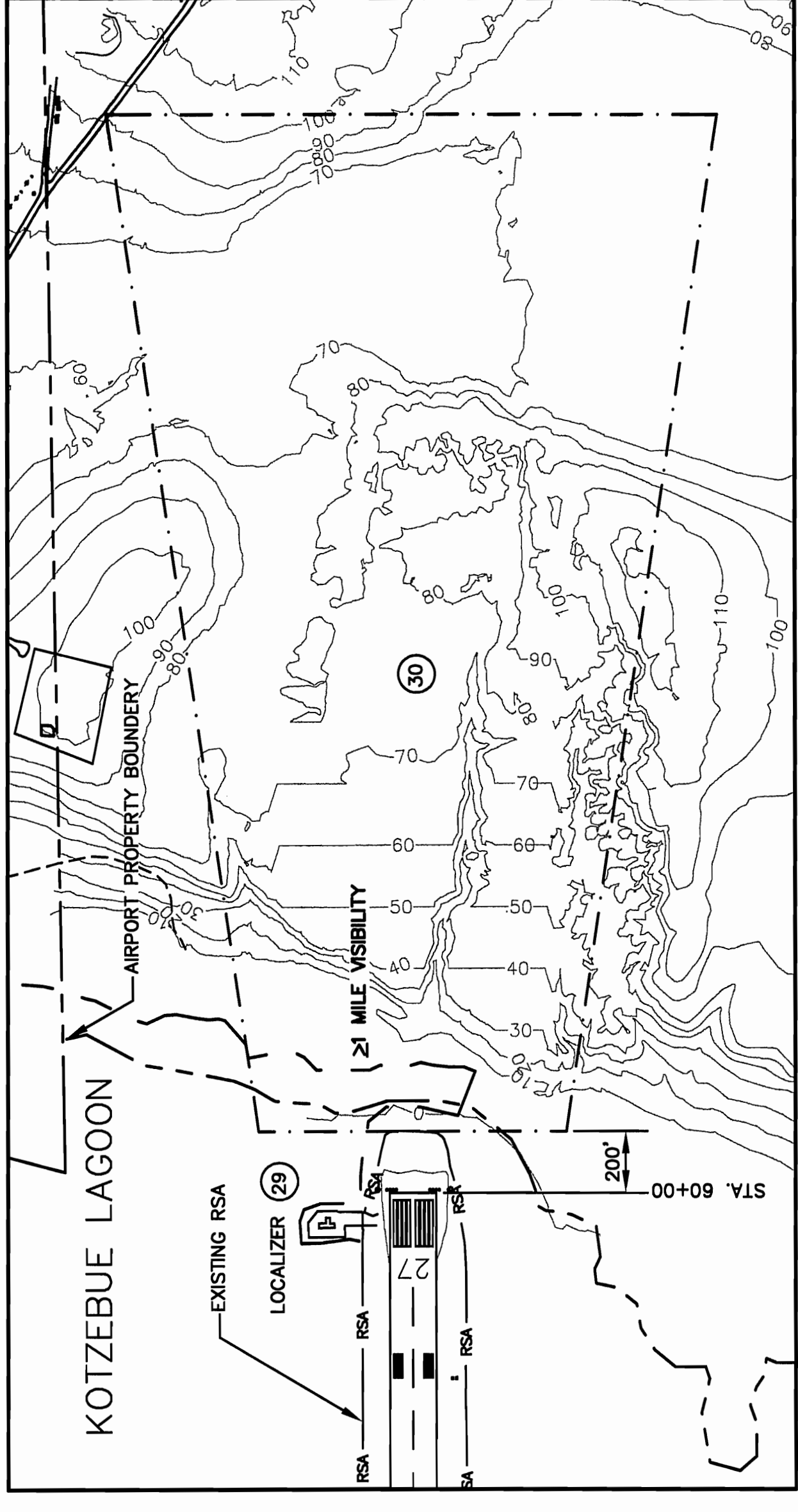
PLANS DEVELOPED BY: P&M CONSULTANTS, INC.  
 KOTZEBUE, ALASKA

THIS ALP SUPERSEDES ALP SIGNED: 12/15/99  
 THIS ALP IS BASED ON THE FOLLOWING PROJECT(S)  
 RECORD DRAWINGS:  
 KOTZEBUE EASTSIDE OBSTRUCTION REMOVAL AND  
 SAFETY AREA EXPANSION, 61318  
 KOTZEBUE ARFF & SREB, 60556  
 KOTZEBUE SAND STORAGE, 62611  
 AIRPORT COMPLIANCE, 63184

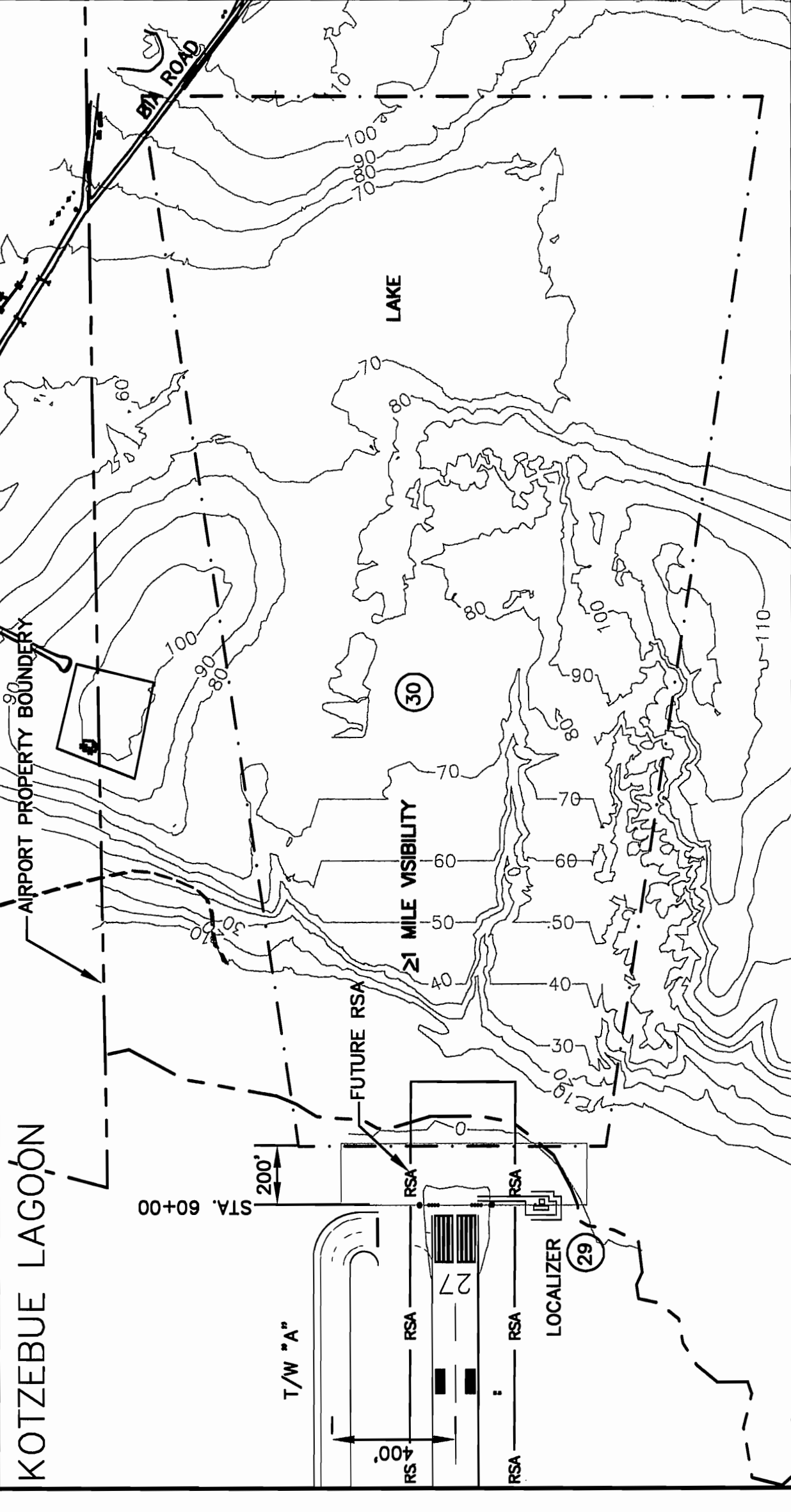
RALPH WIEN MEMORIAL AIRPORT  
 KOTZEBUE, ALASKA  
 R/W 18-36 TERMINAL PLAN  
 ULTIMATE TERMINAL LAYOUT



**EXISTING & ULTIMATE RUNWAY 9**



**EXISTING RUNWAY 27**

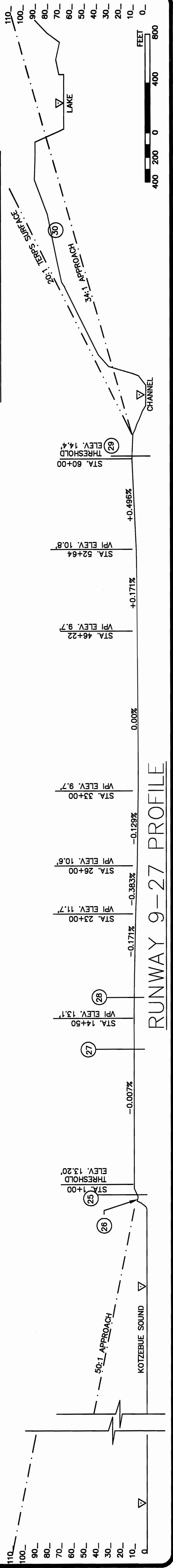


**ULTIMATE RUNWAY 27**

**OBSTRUCTION TABLE**

| #  | STRUCTURE NAME      | TOP ELEV. (MSL) | PART 77 SURFACE PENETRATION | PROPOSED DISPOSITION OF OBSTRUCTION   |
|----|---------------------|-----------------|-----------------------------|---------------------------------------|
| 25 | VENT ON BUILDING    | 45'             | +35'                        | OBSTRUCTION LIGHT OR BUILDING REMOVAL |
| 26 | ROADS               | 10'             | +15'                        | REMOVAL                               |
| 27 | GUIDE SLOPE ANTENNA | 40'             | +30'                        | FIXED BY FUNCTION                     |
| 28 | WIND CONE           | 31'             | +21'                        | NONE: OBSTRUCTION LIGHT EXISTS        |
| 29 | LOCALIZER ANTENNA   | 30'             | +19'                        | NONE: OBSTRUCTION LIGHT EXISTS        |
| 30 | TERRAIN             | <100'           | <20'                        | TO REMAIN                             |
|    |                     |                 |                             |                                       |
|    |                     |                 |                             |                                       |
|    |                     |                 |                             |                                       |
|    |                     |                 |                             |                                       |
|    |                     |                 |                             |                                       |
|    |                     |                 |                             |                                       |

NOTES:  
 1. THERE ARE NO TERRAIN OBSTRUCTIONS IN THE 20:1 TERPS SURFACE.



**RUNWAY 9-27 PROFILE**

| DESIGN | DATE    | REVISIONS            |
|--------|---------|----------------------|
| KEK    | JUNE 09 | ALP AS-BUILT         |
| BCL    | 2/01/11 | GATES UPDATE         |
| SMT    | 3/21/11 | UPDATED FAA 3/7/2011 |

DRAWN: KEK  
 CHECKED: NBS

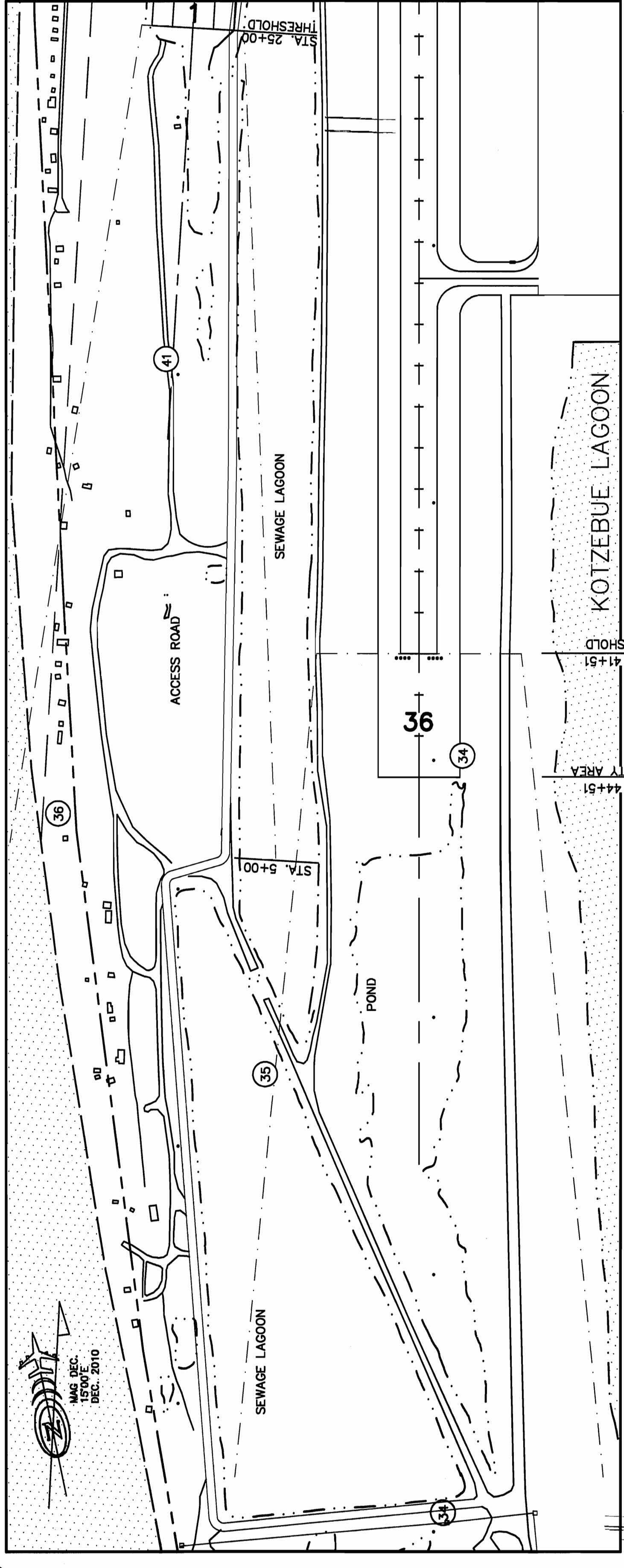
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 RALPH WIEN MEMORIAL AIRPORT  
 APPROVED: Ryan Anderson P.E.  
 DATE: 5/16/11  
 AIRPORT DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: 5/16/11  
 AIRPORTS DIVISION,  
 ALASKAN REGION, AAL-601  
 AIRSPACE REVIEW #2011-AAL-19-NRA

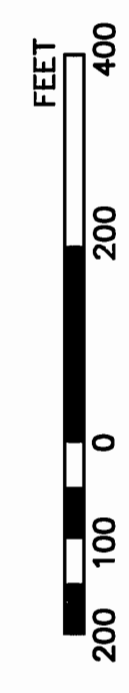
PLANS DEVELOPED BY: R&M CONSULTANTS, INC.  
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 KOTZEBUE ARFF & SREB, 60556  
 KOTZEBUE SAND STORAGE, 62611  
 AIRPORT COMPLIANCE, 63184

**RALPH WIEN MEMORIAL AIRPORT**  
 KOTZEBUE, ALASKA  
**R/W 9-27: INNER PORTION OF APPROACH SURFACE PLAN & PROFILE**

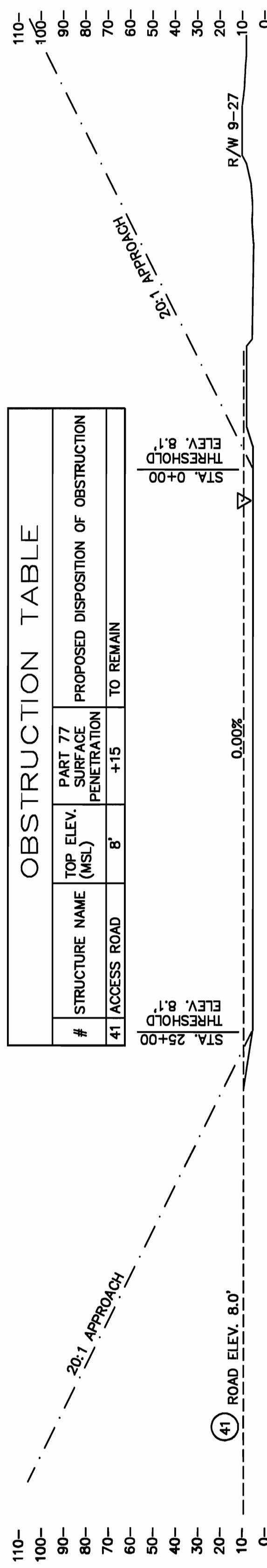




ULTIMATE RUNWAY 36 & WATERLANE SOUTH APPROACH

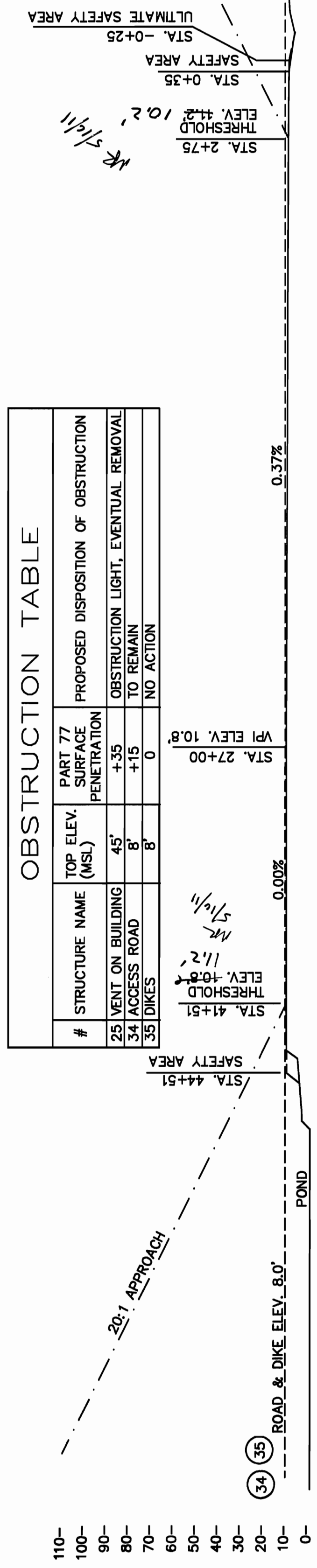


| #  | STRUCTURE NAME | TOP ELEV. (MSL) | PART 77 SURFACE PENETRATION | PROPOSED DISPOSITION OF OBSTRUCTION |
|----|----------------|-----------------|-----------------------------|-------------------------------------|
| 41 | ACCESS ROAD    | 8'              | +15                         | TO REMAIN                           |

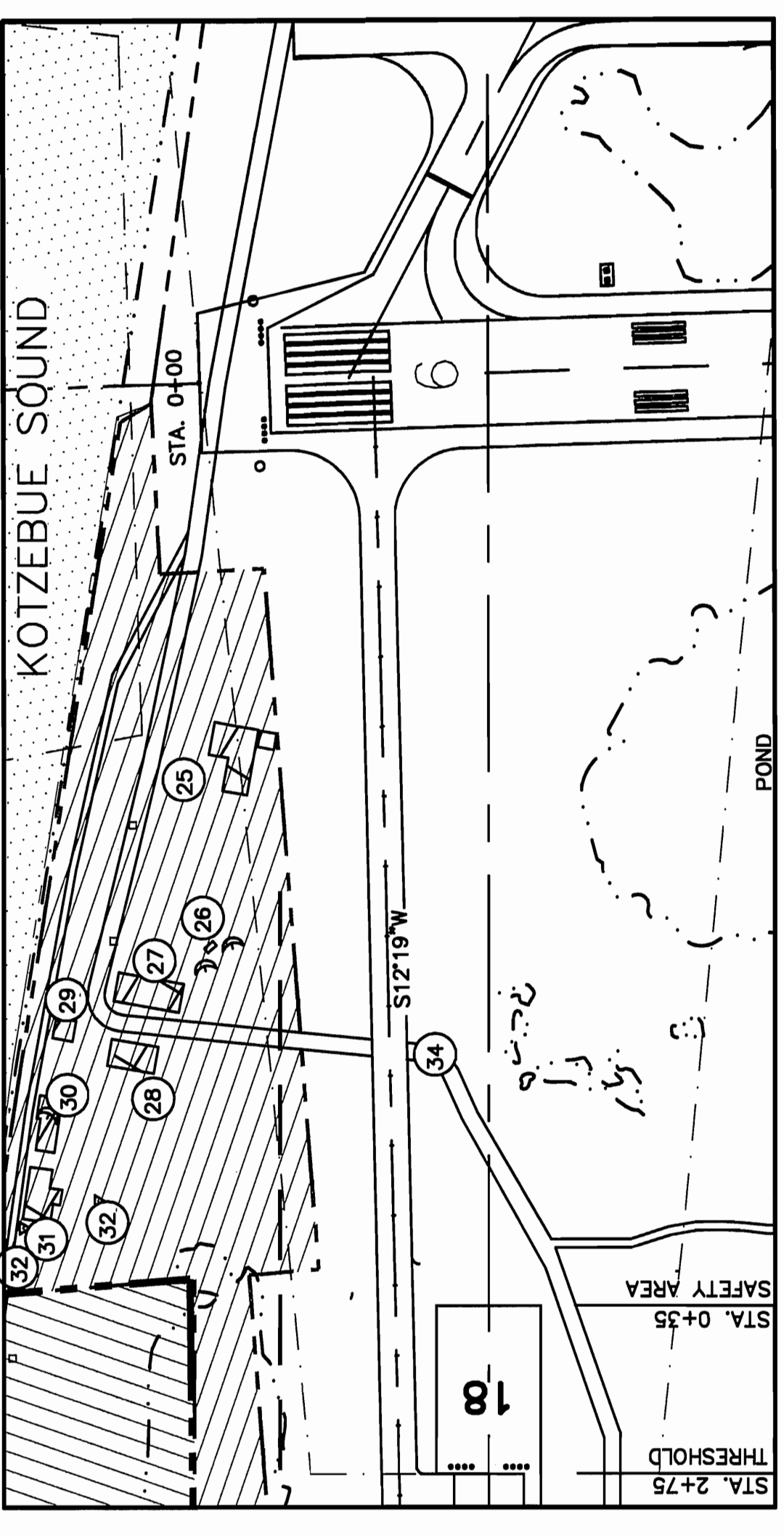


ULTIMATE WATERLANE PROFILE

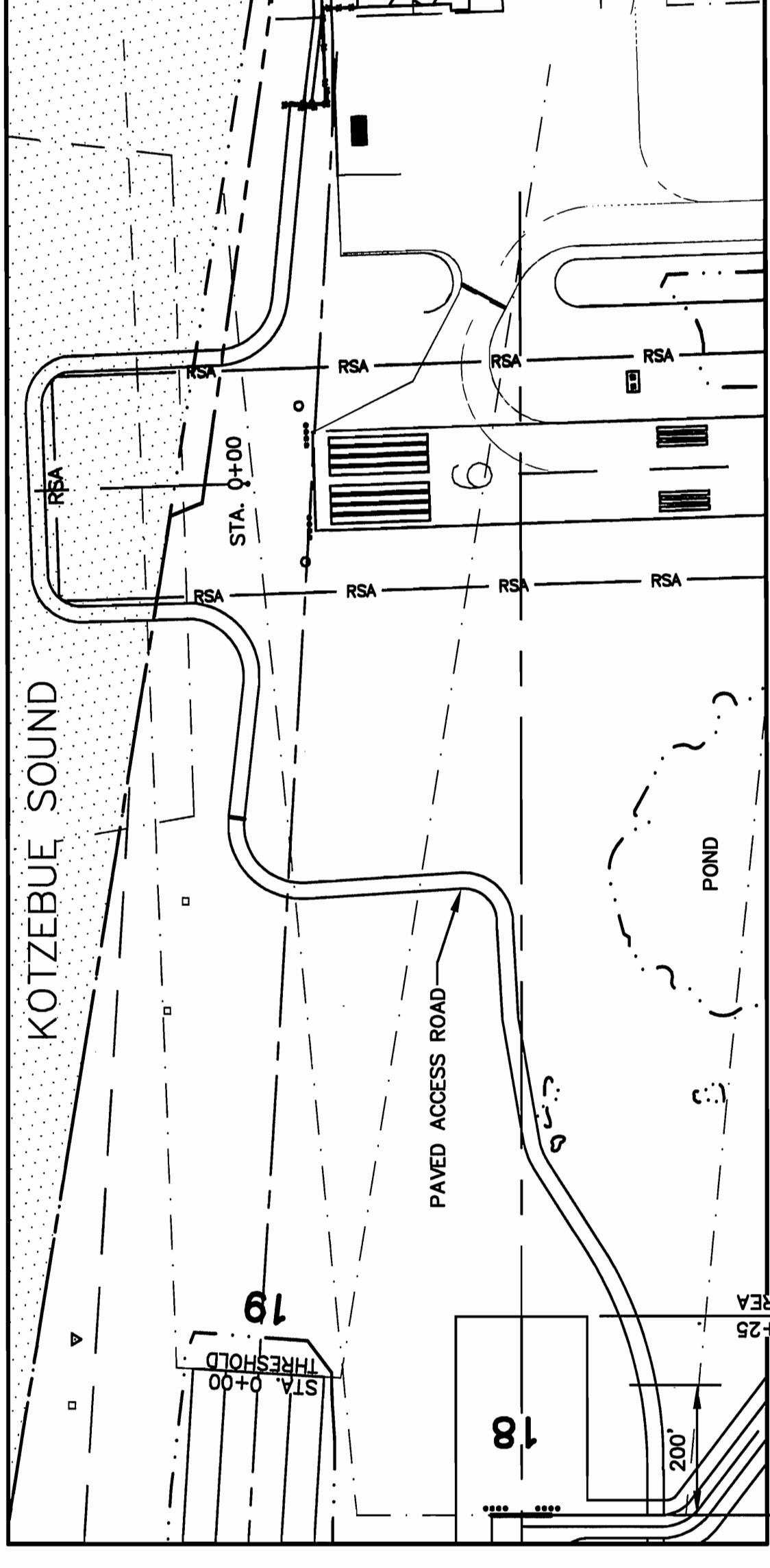
| #  | STRUCTURE NAME   | TOP ELEV. (MSL) | PART 77 SURFACE PENETRATION | PROPOSED DISPOSITION OF OBSTRUCTION |
|----|------------------|-----------------|-----------------------------|-------------------------------------|
| 25 | VENT ON BUILDING | 45'             | +35                         | TO REMAIN                           |
| 34 | ACCESS ROAD      | 8'              | +15                         | TO REMAIN                           |
| 35 | DIKES            | 8'              | 0                           | NO ACTION                           |



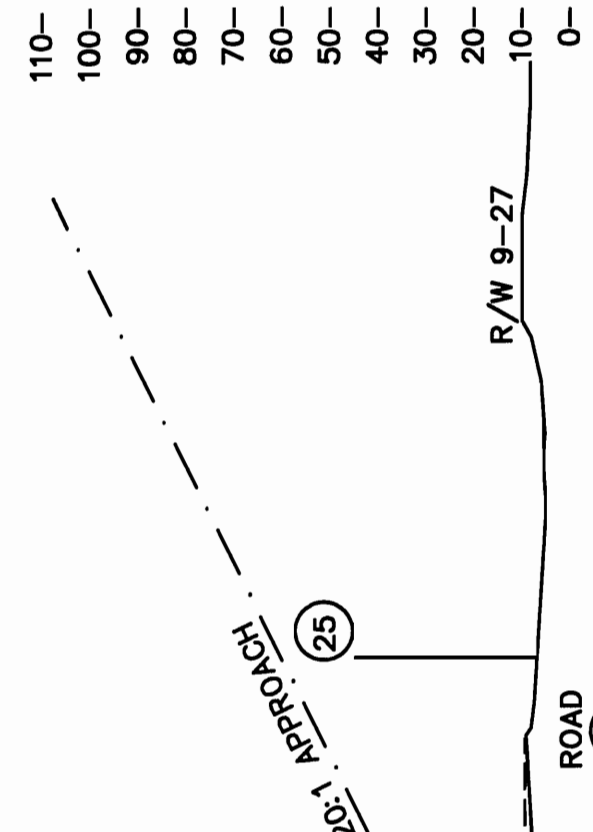
EXISTING & ULTIMATE RUNWAY 18-36 PROFILE



EXISTING RUNWAY 18 APPROACH



ULTIMATE RUNWAY 18 & WATERLANE NORTH APPROACH



| #  | STRUCTURE NAME     | TOP ELEV. (MSL) | PART 77 SURFACE PENETRATION | PROPOSED DISPOSITION OF OBSTRUCTION                 |
|----|--------------------|-----------------|-----------------------------|---|
| 25 | VENT ON BUILDING   | 45'             | +35 *                       | OBSTRUCTION LIGHT, EVENTUAL REMOVAL TO BE RELOCATED |
| 26 | FAA SAT DISH ARRAY | 18'             | 0                           | REMOVAL   |
| 27 | FAA MAINT OFFICE   | 15'             | 0                           | TO BE REMOVED                                       |
| 28 | FAA SHOP           | 17.5'           | 0                           | TO BE REMOVED                                       |
| 29 | SHACK              | 8'              | 0                           | TO BE REMOVED                                       |
| 30 | NWS & ANTENNA      | 32'             | 0                           | TO BE RELOCATED                                     |
| 31 | FSS                | 18'             | 0                           | TO BE RELOCATED                                     |
| 32 | FAA TOWERS         | 60'             | 0                           | TO BE RELOCATED                                     |
| 36 | SHACKS             | 8'              | 0                           | NO ACTION   |

\* PENETRATES 9-27 PRIMARY SURFACE

| DESIGN                              | KEK         | REVISIONS            |
|-------------------------------------|-------------|----------------------|
| BY <td>DATE</td> <td>REVISIONS</td> | DATE        | REVISIONS            |
| KEK                                 | JUNE 09/ALP | AS-BUILT             |
| BCL                                 | 2/01/11     | GATES UPDATE         |
| SMT                                 | 3/31/11     | UPDATED FAA 3/7/2011 |

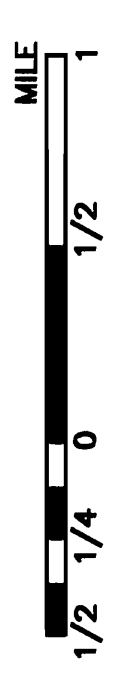
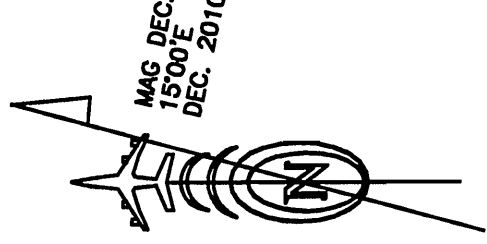
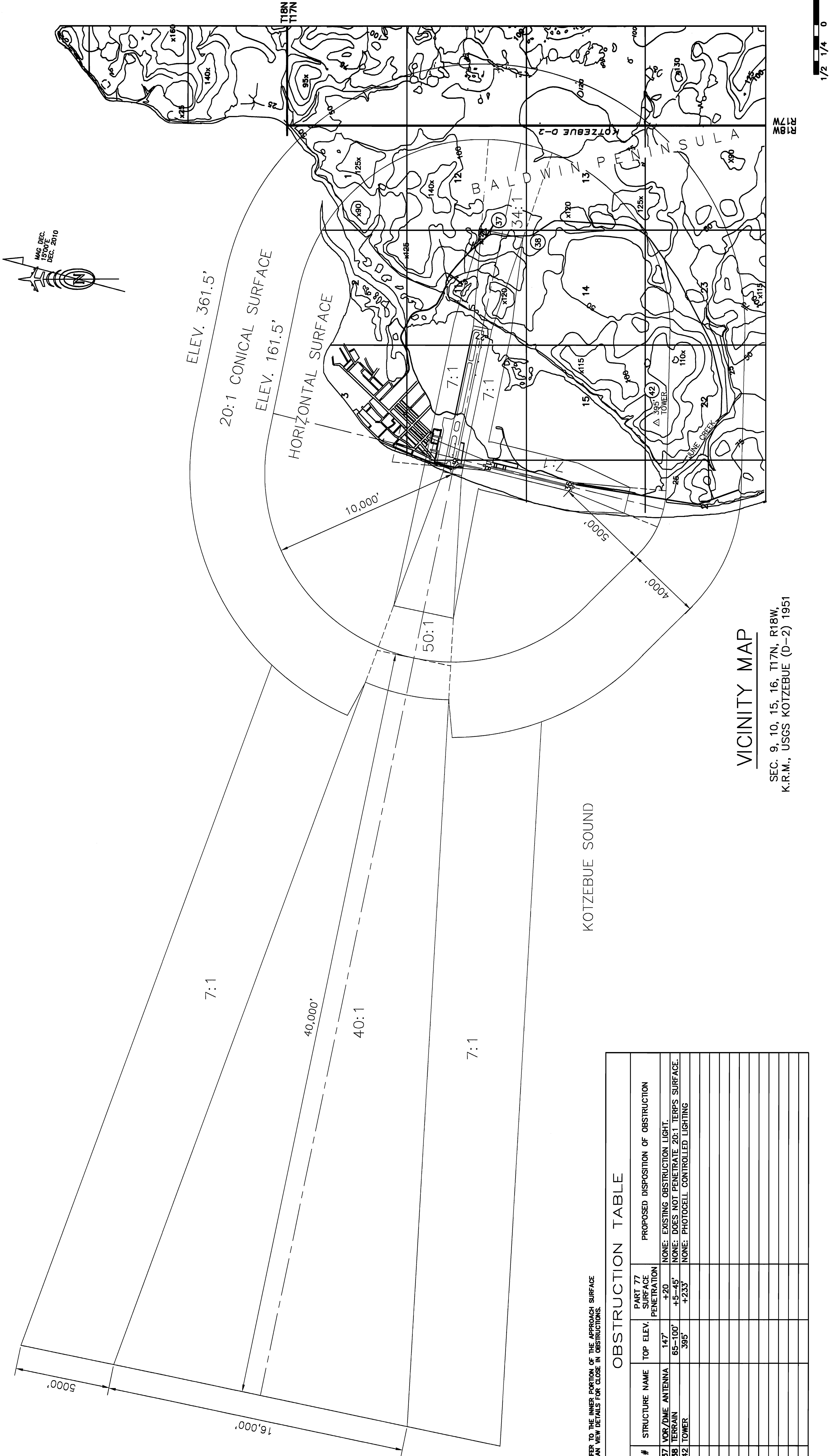
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| DRAWN   | KEK |
| CHECKED | NBS |

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
APPROVED: *[Signature]* RALPH WIEN MEMORIAL AIRPORT  
RYAN ANDERSON P.E. AIRPORT DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED  
BY LETTER DATED: *[Signature]*  
AIRPORTS DIVISION,  
ALASKAN REGION, AAL-601  
AIRSPACE REVIEW #2011-AAL-19-NIRA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.  
THIS ALP SUPERSEDES ALP SIGNED: 12/15/99  
THIS ALP IS BASED ON THE FOLLOWING PROJECT(S)  
RECORD DRAWINGS:  
KOTZEBUE EASTSIDE OBSTRUCTION REMOVAL AND SAFETY AREA EXPANSION, 61318  
KOTZEBUE ARFF & SREB, 60556  
KOTZEBUE SAND STORAGE, 62611  
AIRPORT COMPLIANCE, 63184

RALPH WIEN MEMORIAL AIRPORT  
KOTZEBUE, ALASKA  
R/W 18-36: INNER PORTION OF  
APPROACH SURFACE  
PLAN & PROFILE



SHEET 10 OF 12

# RALPH WIEN MEMORIAL AIRPORT AIRSPACE

KOTZEBUE, ALASKA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.  
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 THIS ALP IS BASED ON THE FOLLOWING PROJECT(S)  
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 KOTZEBUE REF. & SREB, 60556  
 KOTZEBUE SAND STORAGE, 62611  
 AIRPORT COMPLIANCE, 63184

AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: 5/16/11  
 AIRPORTS DIVISION,  
 ALASKAN REGION, AAL-601  
 AIRSPACE REVIEW #2011-AAL-19-NRA

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 RALPH WIEN MEMORIAL AIRPORT  
 APPROVED: Ryan Anderson P.E.  
 DATE: 5/17/2011  
 AIRPORT DESIGN GROUP CHIEF

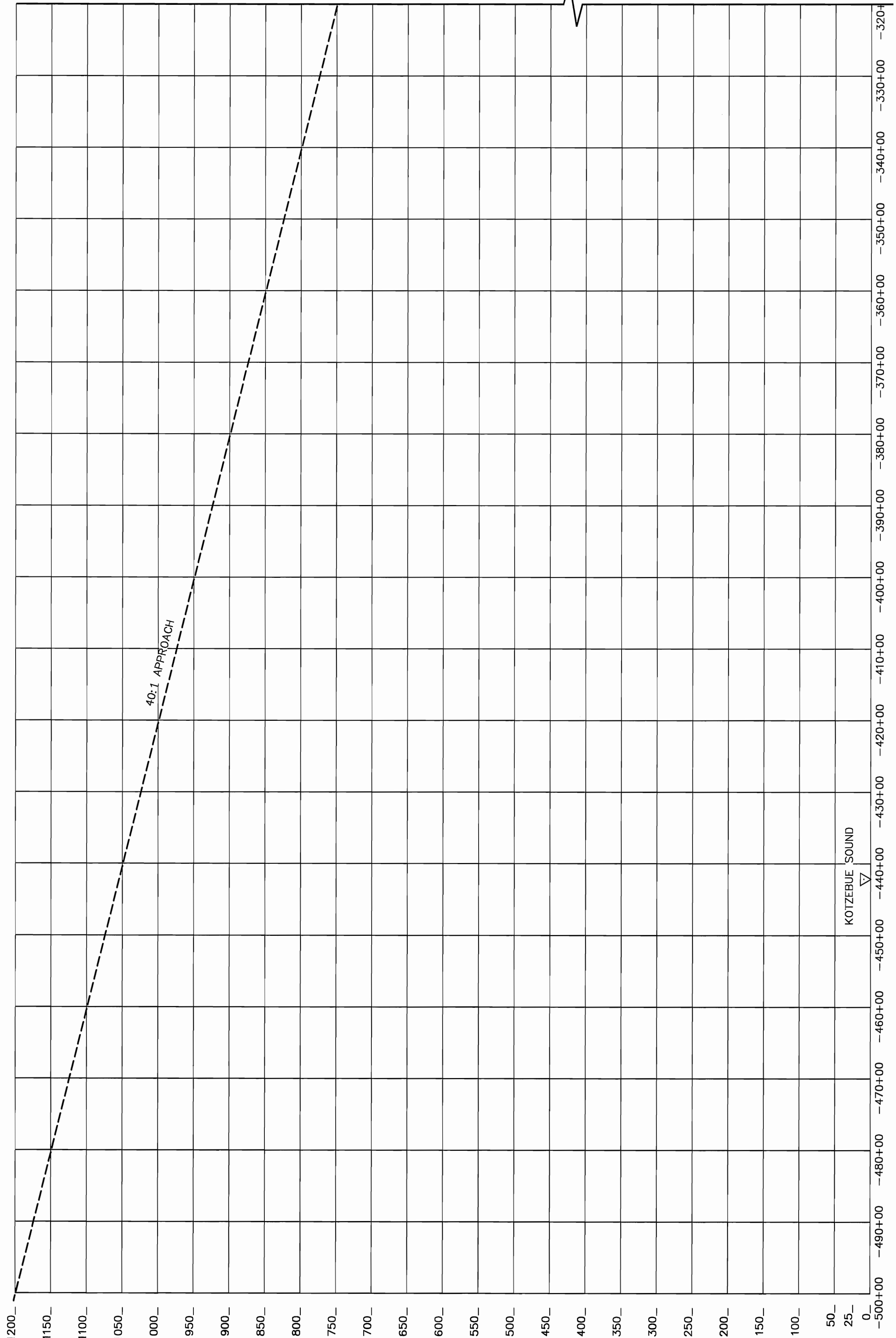
| BY  | DATE    | REVISIONS            |
|-----|---------|----------------------|
| KEK | JUNE 09 | ALP AS-BUILT         |
| BCL | 2/01/11 | GATES UPDATE         |
| SMT | 3/21/11 | UPDATED FAA 3/7/2011 |

DESIGN: KEK  
 DRAWN: KEK  
 CHECKED: NBS

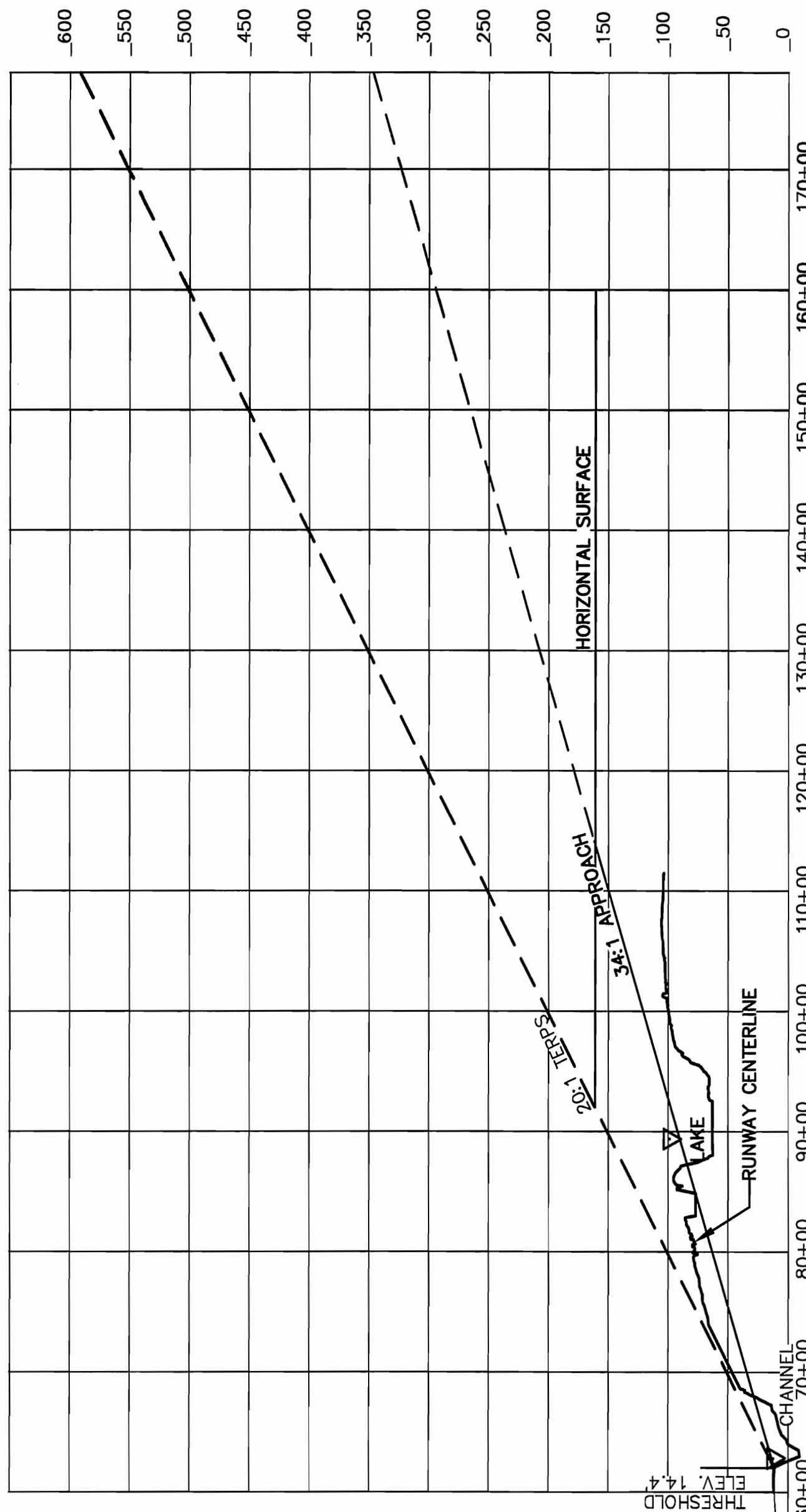
REFER TO THE INNER PORTION OF THE APPROACH SURFACE PLAN FOR DETAILS FOR CLOSE IN OBSTRUCTIONS.

| #  | STRUCTURE NAME  | TOP ELEV. | PART 77 SURFACE PENETRATION | PROPOSED DISPOSITION OF OBSTRUCTION          |
|----|-----------------|-----------|-----------------------------|--|
| 37 | VOR/DME ANTENNA | 147'      | +20                         | NONE: EXISTING OBSTRUCTION LIGHT.            |
| 38 | TERRAIN         | 65-100'   | +5-45'                      | NONE: DOES NOT PENETRATE 20:1 TERPS SURFACE. |
| 42 | TOWER           | 395'      | +233'                       | NONE: PHOTOCELL CONTROLLED LIGHTING          |
|    |                 |           |                             |  |
|    |                 |           |                             |  |
|    |                 |           |                             |  |
|    |                 |           |                             |  |
|    |                 |           |                             |  |
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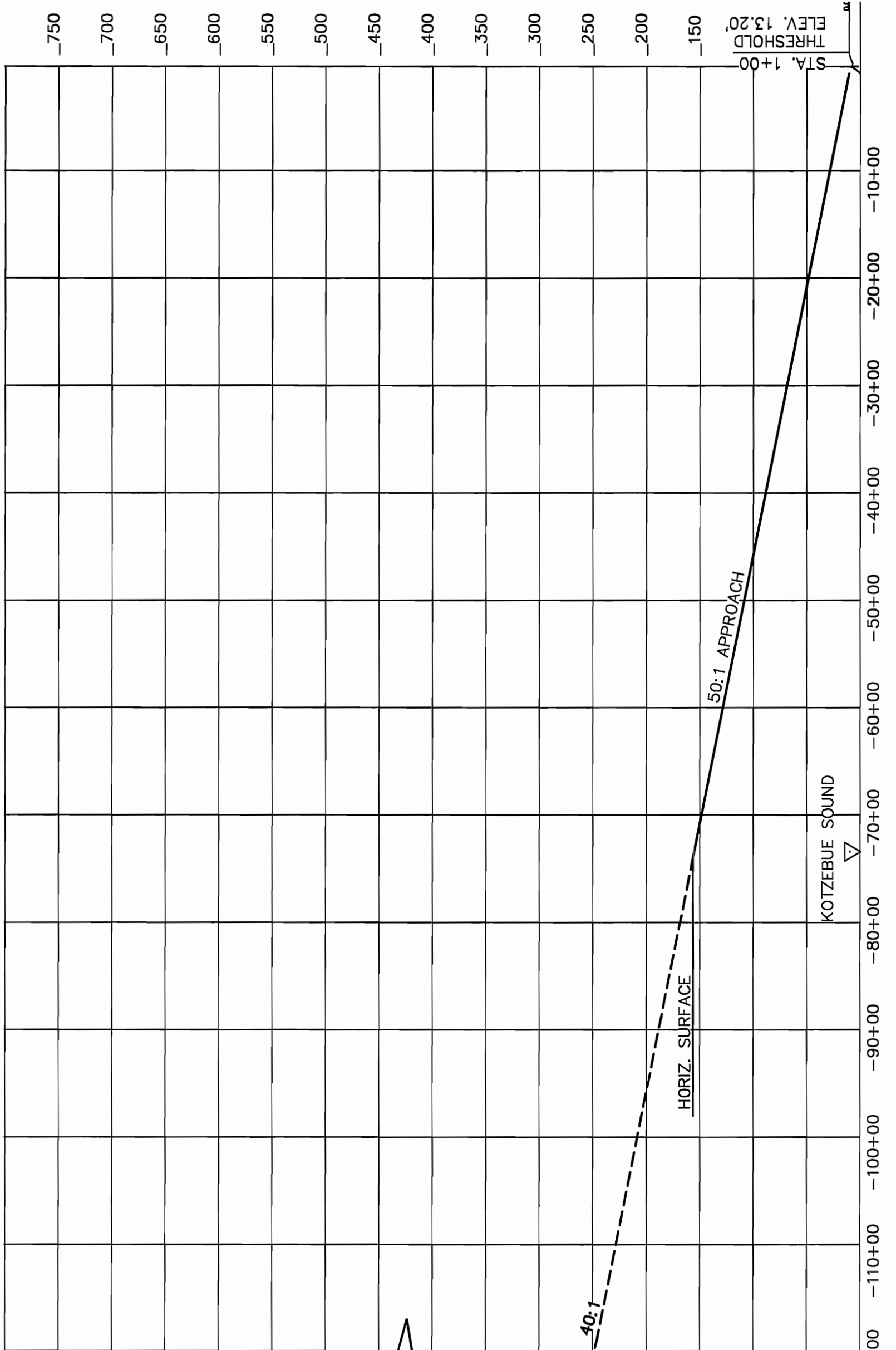
VICINITY MAP  
 SEC. 9, 10, 15, 16, T17N, R18W,  
 K.R.M., USGS KOTZEBUE (D-2) 1951



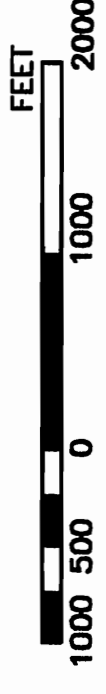
APPROACH 9 COMPOSITE ORIGINAL GROUND PROFILE



APPROACH 27 COMPOSITE ORIGINAL GROUND PROFILE



APPROACH 27 COMPOSITE ORIGINAL GROUND PROFILE



|         |     |
|---------|-----|
| DESIGN  | KEK |
| DRAWN   | KEK |
| CHECKED | NBS |

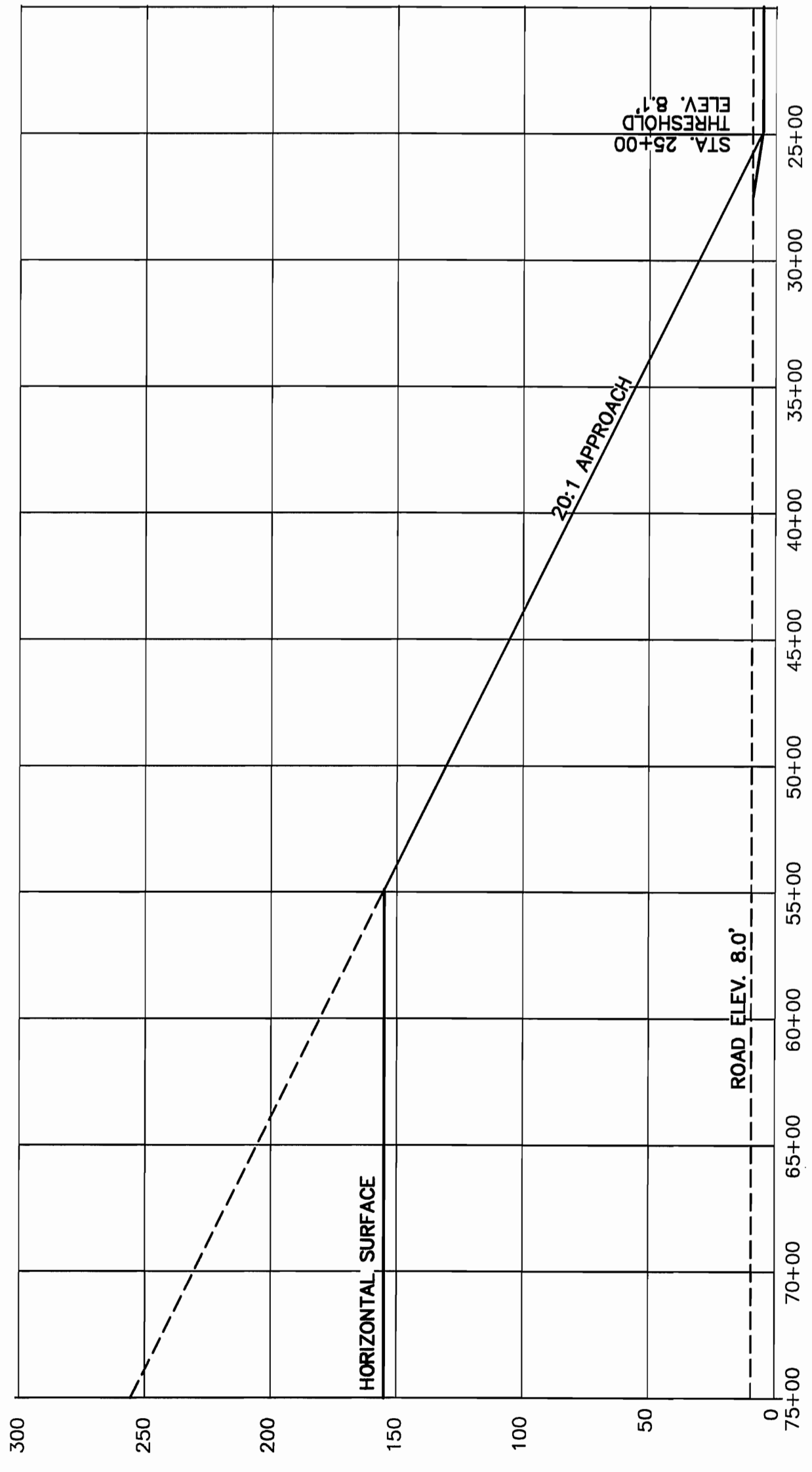
| BY  | DATE    | REVISIONS            |
|-----|---------|----------------------|
| KEK | JUNE 09 | ALP AS-BUILT         |
| BCL | 2/01/11 | GATES UPDATE         |
| SMT | 3/21/11 | UPDATED FAA 3/7/2011 |

STATE OF ALASKA  
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 RALPH WIEN MEMORIAL AIRPORT  
 APPROVED: *Ryan Anderson*  
 RYAN ANDERSON P.E. AIRPORT DESIGN GROUP CHIEF  
 DATE: 5/19/2011

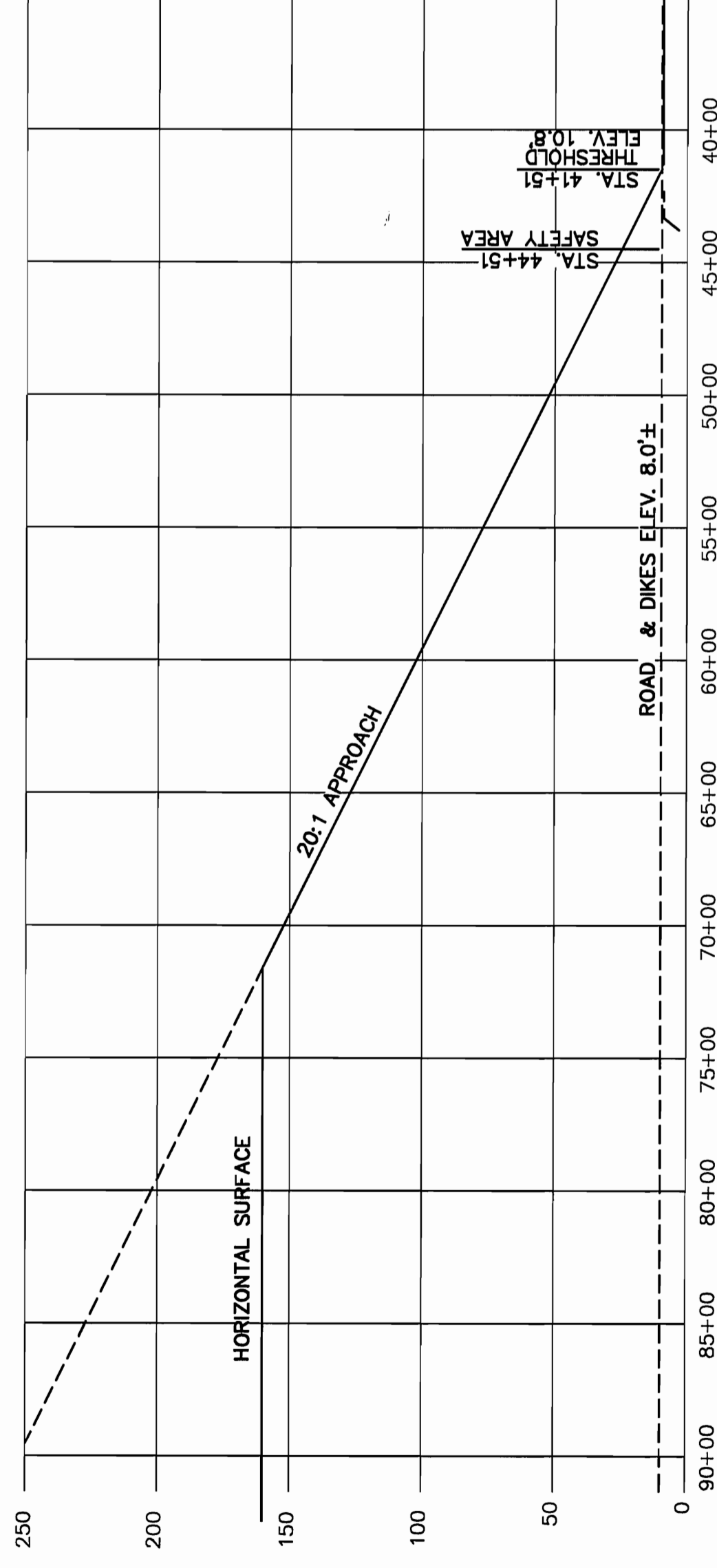
AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: 5/16/11  
*Rak*  
 AIRPORTS DIVISION,  
 ALASKAN REGION, AAL-601  
 AIRSPACE REVIEW #2011-AAL-19-NRA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.  
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 THIS ALP IS BASED ON THE FOLLOWING PROJECT(S)  
 RECORD DRAWINGS:  
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 KOTZEBUE SAND STORAGE, 62611  
 AIRPORT COMPLIANCE, 63184

RALPH WIEN MEMORIAL AIRPORT  
 KOTZEBUE, ALASKA  
 R/W 9-27 APPROACH PROFILES



WATERLANE APPROACH 1 COMPOSITE ORIGINAL GROUND PROFILE



APPROACH 36 COMPOSITE ORIGINAL GROUND PROFILE

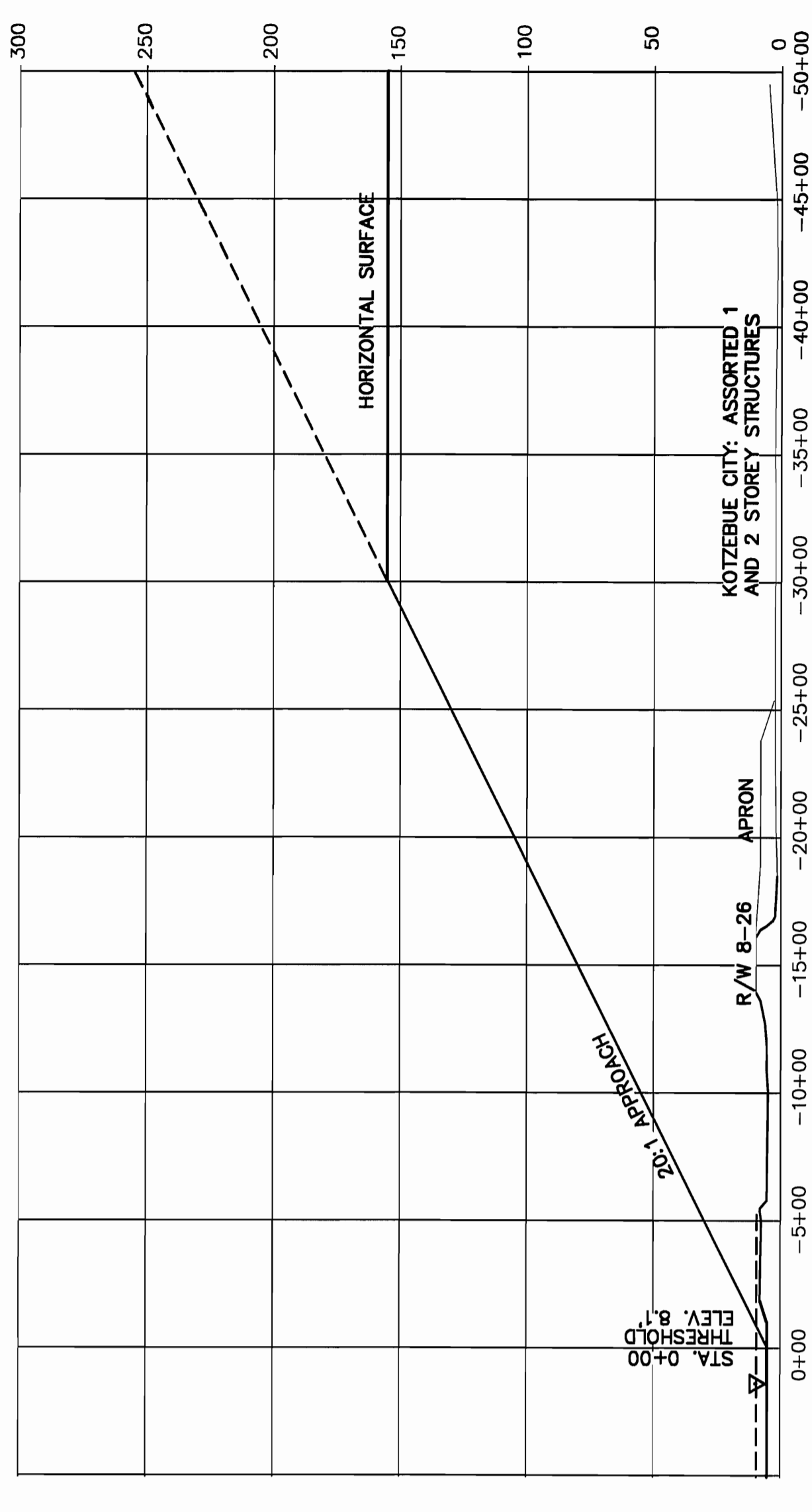
| DESIGN  | KEK | BY  | DATE    | REVISIONS            |
|---------|-----|-----|---------|----------------------|
|         |     | KEK | JUNE 09 | ALP AS-BUILT         |
|         |     | BCL | 2/01/11 | GATES UPDATE         |
|         |     | SMT | 3/21/11 | UPDATED FAA 3/7/2011 |
| CHECKED | NBS |     |         |                      |

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 RALPH WIEN MEMORIAL AIRPORT  
 APPROVED: *[Signature]* DATE: 5/9/2011  
 RYAN ANDERSON P.E. AIRPORT DESIGN GROUP CHIEF

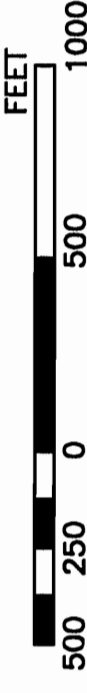
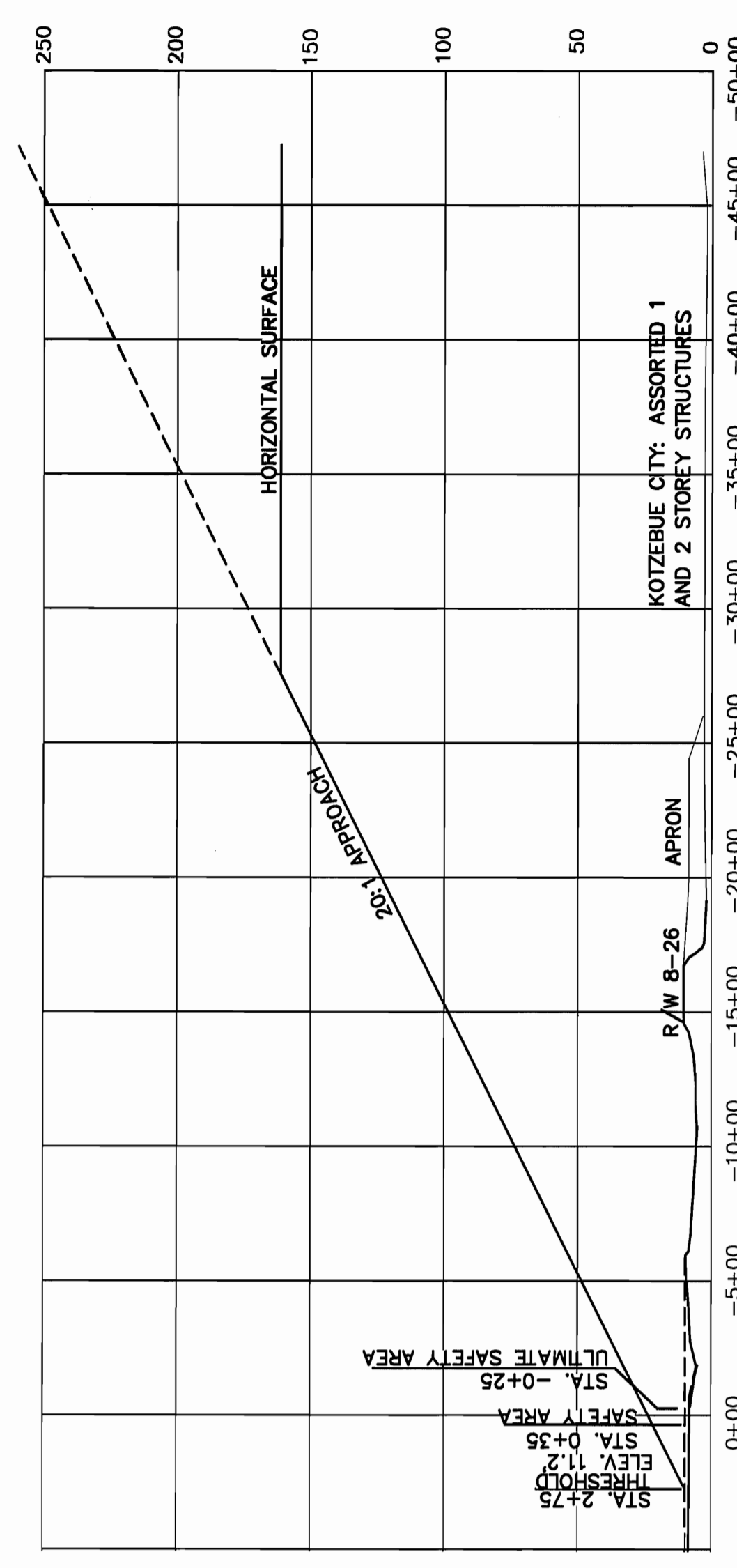
AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: *[Signature]*  
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 AIRSPACE REVIEW #2011-AAL-19-NRA

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 AIRPORT COMPLIANCE, 63184

RALPH WIEN MEMORIAL AIRPORT  
 KOTZEBUE, ALASKA  
 WATERLANE APPROACH PROFILES  
 R/W 18-36 APPROACH PROFILES



WATERLANE APPROACH 19 COMPOSITE ORIGINAL GROUND PROFILE



APPROACH 18 COMPOSITE ORIGINAL GROUND PROFILE

Plotted 4/8/2011 7:21 AM by Steve Tjeden  
 I:\173900\Drawings\ALP Update\ALP\Kotz\1282.01-4-KOTZ\_11\_12.dwg