

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

|                                 |  |  |   |                            |                       |                           |
|---------------------------------|--|--|---|----------------------------|-----------------------|---------------------------|
| <u>AIRPORT ID</u><br>KPYM       | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 24 | <u>ORIGINAL/AMENDMENT</u><br>ORIG-D    | <u>CITY</u><br>PLYMOUTH                   | <u>STATE</u><br>MA         |                       |                           |
| <u>AIRPORT ELEVATION</u><br>148 | <u>TDZE</u><br>148                         | <u>SUPERSEDED</u><br>RNAV (GPS) RWY 24 | <u>ORIGINAL/AMENDMENT</u><br>ORIG-C       | <u>DATED</u><br>07/19/2018 | <u>MAG VAR</u><br>16W | <u>EPOCH YEAR</u><br>1995 |
| <u>FACILITY</u><br>RNAV         | <u>COORDINATES OF FACILITIES</u>           | <u>ACTUAL EFFECTIVE DATE</u>           | <u>REQUIRED EFFECTIVE DATE</u><br>ROUTINE | <u>CANCEL/SUSPEND</u>      |                       |                           |

**TERMINAL ROUTES**

| <u>FROM</u>           | <u>FIX TYPE</u> | <u>TO</u>             | <u>FIX TYPE</u> | <u>LEG TYPE</u> | <u>FO/FB</u> | <u>RNP</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> |
|-----------------------|-----------------|-----------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| INNDY                 |                 | GAILS                 |                 | TF              | FB           | 1.00       | 095.22        | 31.79           | 3000            |
| GAILS                 |                 | WIREG                 |                 | TF              | FB           | 1.00       | 010.05        | 7.51            | 2000            |
| WIREG                 | IAF             | JEKDI                 | NOPT            | TF              | FB           | 1.00       | 325.77        | 7.50            | 2000            |
| LFV VOR/DME           | IAF             | JEKDI                 | NOPT            | TF              | FB           | 1.00       | 294.59        | 23.11           | 2000            |
| KYLES                 | IAF             | JEKDI                 | NOPT            | TF              | FB           | 1.00       | 164.54        | 13.28           | 2000            |
| JEKDI                 | IF/IAF          | BURRK                 |                 | TF              | FB           | 1.00       | 235.68        | 7.50            | 2000            |
| BURRK                 | FAF             | SMITY/1.60 NM TO RW24 |                 | TF              | FB           | 0.30       | 235.61        | 3.37            |                 |
| SMITY/1.60 NM TO RW24 |                 | RW24                  | MAP             | TF              | FO           | 0.30       | 235.61        | 1.60            |                 |
| RW24                  | MAP             | 640 MSL               |                 | CA              |              |            | 235.61        |                 | 640             |
| 640 MSL               |                 | GAILS                 |                 | DF              | FO           | 1.00       |               |                 | 2000            |

**MISSED APPROACH**

**MAP:**

LNAV: RW24

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 640 THEN CLIMBING LEFT TURN TO 2000 DIRECT GAILS AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
34  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NE JEKDI, RT, 235.68 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 235.61FAF: BURRKDIST FAF TO MAP: 4.97DIST FAF TO THLD: 4.97

4. MIN ALT: JEKDI 2000, BURRK 2000, SMITY/1.60 NM TO RW24 780

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:

8. MSA FROM: RW24 2200

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GAILS ON V141 SOUTHEAST BOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LfV VOR/DME AIRWAY RADIALS 228 CW 002.  
CHART NOTE: STRAIGHT-IN RWY 24 NA AT NIGHT, CIRCLING RWY 15, 24 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 350.23 INBOUND.  
CHART FAS OBST: 328 POLE (25-049444) 415621N/0704249W.  
CHART CIRCLING ICON.  
BURRK TO RW24: 3.40/60.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CATEGORY:  | A      |     |         | B      |     |         | C      |       |         | D      |     |         | E      |     |         |
|------------|--------|-----|---------|--------|-----|---------|--------|-------|---------|--------|-----|---------|--------|-----|---------|
| FINAL TYPE | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS   | HAT/HAA | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS | HAT/HAA |
| LNAV MDA   | 580    | 1   | 432     | 580    | 1   | 432     | 580    | 1 1/4 | 432     |        | NA  |         |        |     |         |
| CIRCLING   | 620    | 1   | 472     | 640    | 1   | 492     | 760    | 1 3/4 | 612     |        | NA  |         |        |     |         |



CHANGES - REASONS

1. REMOVED LPV AND LNAV/VNAV FINALS - THREE VGS PENETRATIONS (219 TREE 25-026438, 239 TREE 25-075639, 223 TREE 25-026466).
2. REDUCED INNDY-GAILS AND GAILS-WIREG RNP VALUE FROM 2.00 TO 1.00 IN TERMINAL ROUTES - PER 8260.58B TABLE 1-2-1.
3. REMOVED NOTE '\*LNAV ONLY' AND ASSOCIATED ASTERISK FROM SDF SMITY/1.60 NM TO RW24 780 AND VDP AT 0.96 NM TO RW24 - NO LONGER REQUIRED BY CRITERIA.
4. UPDATED PBN REQUIREMENTS NOTE FROM 'RNP APCH' TO 'RNP APCH - GPS' - PER 8260.19I PARA. 8-6-8B(2).
5. CHANGED '20:1 IS CLEAR' TO '20:1 IS NOT CLEAR' - 10 TREES FOUND TO PENETRATE 20:1 VISUAL SURFACE.
6. CHANGED NOTE FROM 'CIRCLING RWY 15 NA AT NIGHT' TO 'STRAIGHT-IN RWY 24 NA AT NIGHT, CIRCLING RWY 15, 24 NA AT NIGHT' - 20:1 PENETRATIONS EXIST TO RWY 24.
7. REMOVED NOTE 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F)' - LNAV/VNAV FINAL REMOVED DUE TO VGS PENETRATIONS.
8. CHANGED NOTE 'RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED' TO 'RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED' - 20:1 PENETRATIONS EXIST AND PER 8260.19I PARA. 8-6-11K(3).
9. REMOVED VDP AT 0.96 NM TO RW24 - 20:1 PENETRATIONS EXIST AND PER 8260.3E PARA. 2-6-5A(4).
10. ADDED NOTE 'NA WHEN LOCAL WEATHER NOT AVAILABLE' TO STANDARD ALTERNATE MINIMUMS - BACKUP ALTIMETER IN USE.
11. RAISED CIRCLING CAT C MDA/HAA FROM 740/592 TO 760/612 AND VISIBILITY FROM 1 1/2 TO 1 3/4 - SAME CONTROLLING OBSTACLE TOWER (25-000199) ELEVATION INCREASED FROM 422 TO 456.
12. ADDED 'BURRK TO RW24: 3.40/60' TO ADDITIONAL FLIGHT DATA - REQUIRED FOR LNAV ONLY PROCEDURES PER 8260.19I PARA. 8-6-10O(1).

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZBW, BOS APP CON, APT MGR

FLIGHT CHECKED BY

BOB S PRESSLER

Digitally signed by

RAKE MCGRAW

Sep 28, 2023

OFFICE

FPO

DATE

09/22/2023

Digitally signed by

RALPH DUMAR

Aug 08, 2023

OFFICE

AJV-A422

DATE

06/21/2023

APPROVED BY

MARLON ROBINSON

Digitally signed by

RAKE MCGRAW

Sep 28, 2023

OFFICE

AJV-A420

DATE

TITLE

MANAGER



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

|                           |  |                           |                         |                    |                                 |                         |
|---------------------------|--|---------------------------|-------------------------|--------------------|---------------------------------|-------------------------|
| <u>AIRPORT ID</u><br>KPYM | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 24 | <u>AMDT NO.</u><br>ORIG-D | <u>CITY</u><br>PLYMOUTH | <u>STATE</u><br>MA | <u>AIRPORT ELEVATION</u><br>148 | <u>FACILITY</u><br>RNAV |
|---------------------------|--|---------------------------|-------------------------|--------------------|---------------------------------|-------------------------|

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM  
INNDY

TO  
GAILS

| <u>RNP</u>          | <u>DISTANCE</u><br>31.79 | <u>PAT</u> | <u>MAP</u>      | <u>HAT</u>  | <u>HMAS</u> |           |            |            |           |             |                    |                |
|---------------------|--------------------------|------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| <u>OBSTRUCTION</u>  | <u>COORDINATES</u>       |            | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| 1.TOWER (25-000576) | 414639.00N/0705539.00W   |            | 872             | 250         | 50          | 4D        | 1000       |            |           |             | AT1128             | 3000           |
| 2.TERRAIN           | 414712.00N/0710051.00W   |            | 276 (300)       |             |             |           |            |            |           |             | AS1500             | 1800           |

COMPUTATIONS

ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FEEDER

FROM  
GAILS

TO  
WIREG

| <u>RNP</u>         | <u>DISTANCE</u><br>7.51 | <u>PAT</u> | <u>MAP</u>      | <u>HAT</u>  | <u>HMAS</u> |           |            |            |           |             |                    |                |
|--------------------|-------------------------|------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| <u>OBSTRUCTION</u> | <u>COORDINATES</u>      |            | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| 3.SHIP             | 415625.00N/0702425.00W  |            | 100             | 50          | 20          | 2C        | 1000       |            |           |             | AT900              | 2000           |
| 4.OVER WATER       | 415625.00N/0702425.00W  |            | 0 (0)           |             |             |           |            |            |           |             | AS1500             | 1500           |

COMPUTATIONS

ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



|                           |  |                           |                         |                    |                                 |                         |            |           |             |                    |                |
|---------------------------|--|---------------------------|-------------------------|--------------------|---------------------------------|-------------------------|------------|-----------|-------------|--------------------|----------------|
| <u>AIRPORT ID</u><br>KPYM | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 24 | <u>AMDT NO.</u><br>ORIG-D | <u>CITY</u><br>PLYMOUTH | <u>STATE</u><br>MA | <u>AIRPORT ELEVATION</u><br>148 | <u>FACILITY</u><br>RNAV |            |           |             |                    |                |
| INITIAL                   |  |                           |                         |                    |                                 |                         |            |           |             |                    |                |
| <u>FROM</u><br>WIREG      |  |                           | <u>TO</u><br>JEKDI      |                    |                                 |                         |            |           |             |                    |                |
| <u>RNP</u>                | <u>DISTANCE</u><br>7.50                    | <u>PAT</u>                | <u>MAP</u>              | <u>HAT</u>         | <u>HMAS</u>                     |                         |            |           |             |                    |                |
| <u>OBSTRUCTION</u>        | <u>COORDINATES</u>                         | <u>ELEV MSL</u>           | <u>HORZ</u>             | <u>VERT</u>        | <u>AC</u>                       | <u>ROC</u>              | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| 5.SHIP                    | 420135.00N/0702830.00W                     | 100                       | 50                      | 20                 | 2C                              | 1000                    |            |           |             | AT900              | 2000           |
| 6.OVER WATER              | 410135.00N/0702830.00W                     | 0 (0)                     |                         |                    |                                 |                         |            |           |             | AS1500             | 1500           |

|                     |             |             |            |             |           |           |            |                      |             |                |                               |
|---------------------|-------------|-------------|------------|-------------|-----------|-----------|------------|----------------------|-------------|----------------|-------------------------------|
| <u>COMPUTATIONS</u> |             |             |            |             |           |           |            |                      |             |                |                               |
| <u>ALT</u>          | <u>KIAS</u> | <u>KTAS</u> | <u>HAA</u> | <u>VKTW</u> | <u>TR</u> | <u>BA</u> | <u>DTA</u> | <u>COURSE CHANGE</u> | <u>DVEB</u> | <u>VEB OCS</u> | <u>RF CENTER FIX/DISTANCE</u> |

SEGMENT REMARKS:

|                            |                          |                 |                    |             |             |            |            |           |             |                    |                |
|----------------------------|--------------------------|-----------------|--------------------|-------------|-------------|------------|------------|-----------|-------------|--------------------|----------------|
| INITIAL                    |                          |                 |                    |             |             |            |            |           |             |                    |                |
| <u>FROM</u><br>LFV VOR/DME |                          |                 | <u>TO</u><br>JEKDI |             |             |            |            |           |             |                    |                |
| <u>RNP</u>                 | <u>DISTANCE</u><br>23.11 | <u>PAT</u>      | <u>MAP</u>         | <u>HAT</u>  | <u>HMAS</u> |            |            |           |             |                    |                |
| <u>OBSTRUCTION</u>         | <u>COORDINATES</u>       | <u>ELEV MSL</u> | <u>HORZ</u>        | <u>VERT</u> | <u>AC</u>   | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| 7.MONUMENT (25-000049)     | 420308.03N/0701119.29W   | 348             | 50                 | 3           | 2A          | 1000       |            |           |             | AT652              | 2000           |
| 8.TERRAIN                  | 420106.00N/0700312.00W   | 197 (200)       |                    |             |             |            |            |           |             | AS1500             | 1700           |

|                     |             |             |            |             |           |           |            |                      |             |                |                               |
|---------------------|-------------|-------------|------------|-------------|-----------|-----------|------------|----------------------|-------------|----------------|-------------------------------|
| <u>COMPUTATIONS</u> |             |             |            |             |           |           |            |                      |             |                |                               |
| <u>ALT</u>          | <u>KIAS</u> | <u>KTAS</u> | <u>HAA</u> | <u>VKTW</u> | <u>TR</u> | <u>BA</u> | <u>DTA</u> | <u>COURSE CHANGE</u> | <u>DVEB</u> | <u>VEB OCS</u> | <u>RF CENTER FIX/DISTANCE</u> |

SEGMENT REMARKS:



INITIAL

FROM  
KYLES

TO  
JEKDI

| RNP           | DISTANCE<br>13.28      | PAT | MAP      | HAT  |      |    | HMAS |     |    |      |             |         |
|---------------|------------------------|-----|----------|------|------|----|------|-----|----|------|-------------|---------|
| OBSTRUCTION   | COORDINATES            |     | ELEV MSL | HORZ | VERT | AC | ROC  | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| 9.SHIP        | 421610.00N/0704007.00W |     | 200      | 50   | 20   | 2C | 1000 |     |    |      | AT800       | 2000    |
| 10.OVER WATER | 421610.00N/0704007.00W |     | 0 (0)    |      |      |    |      |     |    |      | AS1500      | 1500    |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM  
JEKDI (IF/IAF)

TO  
BURRK

| <u>RNP</u>         | <u>DISTANCE</u><br>7.50 | <u>PAT</u> | <u>MAP</u>      | <u>HAT</u>  |             |           | <u>HMAS</u> |            |           |             |                    |                |
|--------------------|-------------------------|------------|-----------------|-------------|-------------|-----------|-------------|------------|-----------|-------------|--------------------|----------------|
| <u>OBSTRUCTION</u> | <u>COORDINATES</u>      |            | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u>  | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| 11.AAO             | 420015.00N/0703600.00W  |            | 256             | 164         | 98          | 4E        | 500         |            |           |             | AC98 AT1146        | 2000           |
| 12.TERRAIN         | 420015.00N/0703600.00W  |            | 56 (100)        |             |             |           |             |            |           |             | AS1500             | 1600           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV

FROM  
BURRK

TO  
SMITY/1.60 NM TO RW24

| RNP                  | DISTANCE<br>3.37       | PAT | MAP      | HAT  |      |    | HMAS |     |    |      |             |         |
|----------------------|------------------------|-----|----------|------|------|----|------|-----|----|------|-------------|---------|
| OBSTRUCTION          | COORDINATES            |     | ELEV MSL | HORZ | VERT | AC | ROC  | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| 13.TOWER (25-000199) | 415636.90N/0704202.94W |     | 456      | 50   | 20   | 2C | 250  |     |    |      | RA46 DG28   | 780     |

| COMPUTATIONS | ALT | KIAS | KTAS | HAA | VKTW | TR | BA | DTA | COURSE CHANGE | DVEB | VEB OCS | RF CENTER FIX/DISTANCE |
|--------------|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|
|--------------|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM  
SMITY/1.60 NM TO RW24

TO  
RW24

| RNP                 | DISTANCE<br>1.60       | PAT | MAP<br>RW24 | HAT<br>432 |      |    | HMAS |     |    |      |             |         |
|---------------------|------------------------|-----|-------------|------------|------|----|------|-----|----|------|-------------|---------|
| OBSTRUCTION         | COORDINATES            |     | ELEV MSL    | HORZ       | VERT | AC | ROC  | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| 14.POLE (25-049444) | 415620.68N/0704248.91W |     | 328         | 20         | 10   | 1B | 250  |     |    |      |             | 580     |

| COMPUTATIONS | ALT | KIAS | KTAS | HAA | VKTW | TR | BA | DTA | COURSE CHANGE | DVEB | VEB OCS | RF CENTER FIX/DISTANCE |
|--------------|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|
|--------------|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM  
JEKDI

TO  
P-4

| RNP         | DISTANCE               | PAT<br>P-4 | MAP      | HAT  |      |    | HMAS |     |    |      |             |         |
|-------------|------------------------|------------|----------|------|------|----|------|-----|----|------|-------------|---------|
| OBSTRUCTION | COORDINATES            |            | ELEV MSL | HORZ | VERT | AC | ROC  | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
| 15.AAO      | 420451.00N/0703915.00W |            | 250      | 164  | 98   | 4E | 1000 |     |    |      | AT750       | 2000    |
| 16.TERRAIN  | 420451.00N/0703915.00W |            | 50 (100) |      |      |    |      |     |    |      | AS1500      | 1600    |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM  
RW24

TO  
GAILS

| RNP         | DISTANCE               | PAT | MAP       | HAT  |      |    | HMAS<br>480 |     |    |      |             |         |
|-------------|------------------------|-----|-----------|------|------|----|-------------|-----|----|------|-------------|---------|
| OBSTRUCTION | COORDINATES            |     | ELEV MSL  | HORZ | VERT | AC | ROC         | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|             |                        |     |           |      |      |    |             | ASC |    |      |             | 2000    |
| 18.AAO      | 415536.00N/0703527.00W |     | 601       | 100  | 125  | 3E | 1000        |     |    |      |             | 1700    |
| 19.TERRAIN  | 415536.00N/0703527.00W |     | 401 (400) | 100  | 125  | 3E |             |     |    |      | AS1500      | 1900    |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:





CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

| OBSTRUCTION                      | COORDINATES            | RADIUS | HAA | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|----------------------------------|------------------------|--------|-----|----------|------|------|----|-----|-----|-------------|---------|
| CATEGORY A                       |                        |        |     |          |      |      |    |     |     |             |         |
| 20.TREE                          | 415429.00N/0704133.00W | 1.30   | 472 | 319      | 50   | 20   | 2C | 300 |     |             | 620     |
| CATEGORY B                       |                        |        |     |          |      |      |    |     |     |             |         |
| 21.TRANSMISSION_LINE (25-053518) | 415256.90N/0704131.50W | 1.81   | 492 | 331      | 20   | 3    | 1A | 300 |     |             | 640     |
| CATEGORY C                       |                        |        |     |          |      |      |    |     |     |             |         |
| 13.TOWER (25-000199)             | 415636.90N/0704202.94W | 2.84   | 612 | 456      | 50   | 20   | 2C | 300 |     |             | 760     |

CIRCLING REMARKS:

MSA

CENTER  
RW24

RADIUS  
25

| SECTOR  | OBSTRUCTION       | COORDINATES            | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC  | OCS | ADJUSTMENTS | MIN ALT |
|---------|-------------------|------------------------|---------|----------|----------|------|------|----|------|-----|-------------|---------|
| 360-360 | TOWER (25-000325) | 415213.00N/0711743.00W | 280     | 25.6     | 1148     | 250  | 50   | 4D | 1000 |     |             | 2200    |

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

LPV AND LNAV/VNAV FINALS NOT ESTABLISHED - VGS PENETRATIONS.

TAA NOT DEVELOPED PER ATC REQUEST.

FEEDER SEGMENT DEVELOPED FROM INNDY TO GAILS ALONG T393 PER AT REQUEST.

CAT D STRAIGHT-IN AND CIRCLING NA PER NEW ENGLAND ADO DUE TO RUNWAY INFRASTRUCTURE AND CLASSIFICATION.

100 FT MAXIMUM ADVERSE VEGETATION HEIGHT.

SHIP HEIGHTS PER FPT: 100 FT WITHIN CAPE COD BAY; 200 FT OUTSIDE OF A LINE FROM THE OUTER BANKS OF PROVINCETOWN TO COHASSET.

25 DEG BANK ANGLE USED FOR MA CONSTRUCTION.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
ZBW ARTCC, BDR FSS, BOS APP CON

|                           |                 |                      |                         |                 |                  |                    |
|---------------------------|-----------------|----------------------|-------------------------|-----------------|------------------|--------------------|
| <u>WX SERVICE</u>         | <u>LOCATION</u> | <u>HRS OPERATION</u> | <u>ALTIMETER SOURCE</u> | <u>DISTANCE</u> | <u>SERVICE-A</u> | <u>ADJUSTMENTS</u> |
| ASOS                      | KPYM            | 24                   | KPYM                    | 0.01            | Y                | 0                  |
| <u>BACK-UP WX SERVICE</u> | <u>LOCATION</u> | <u>HRS OPERATION</u> | <u>ALTIMETER SOURCE</u> | <u>DISTANCE</u> | <u>SERVICE-A</u> | <u>ADJUSTMENTS</u> |
| ASOS                      | KTAN            | 24                   | KTAN                    | 13.02           | Y                | 46                 |

WX REMARKS:  
RASS PRESSURE PATTERNS THE SAME.  
KPYM 148, KTAN 42  
RA = 45.1

|   |                      |                        |                            |
|---|----------------------|------------------------|----------------------------|
| <u>PRIMARY NAVAID</u>                         | <u>MONITOR POINT</u> | <u>HRS OPERATION</u>   | <u>CAT</u>                 |
| <u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>    |                      | <u>RUNWAY MARKINGS</u> | <u>RUNWAY VISUAL RANGE</u> |
| RW15 - MIRL (PCL)                             |                      | NPI-G                  |                            |
| RW24 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)  |                      | NPI-G                  |                            |
| RW33 - MIRL (PCL), PAPI-4L (PCL)              |                      | NPI-G                  |                            |
| RW06 - MALSF (PCL), MIRL (PCL), PAPI-4L (PCL) |                      | PIR-G                  |                            |

|                         |                           |            |                        |                          |                   |            |
|-------------------------|---------------------------|------------|------------------------|--------------------------|-------------------|------------|
| <u>GLIDESLOPE ANGLE</u> | <u>ELEV RWY THRESHOLD</u> | <u>TCH</u> | <u>ELEV GS ANTENNA</u> | <u>DISTANCE FROM RWY</u> | <u>VGSI ANGLE</u> | <u>TCH</u> |
|                         |                           |            |                        |                          | 4.00              | 40.0       |

FINAL APPROACH COURSE AIMING

|                  |                                     |                    |                              |     |
|------------------|-------------------------------------|--------------------|------------------------------|-----|
| RUNWAY THRESHOLD | <input checked="" type="checkbox"/> | FT FROM THRESHOLD  | DISPLACED THRESHOLD DISTANCE | 300 |
| ON CENTERLINE    | <input checked="" type="checkbox"/> | FT FROM CENTERLINE |                              |     |

CRITICAL TEMPERATURES

|                     |                      |            |                |
|---------------------|----------------------|------------|----------------|
| <u>CRITICAL LOW</u> | <u>CRITICAL HIGH</u> | <u>ACT</u> | <u>APT ISA</u> |
|---------------------|----------------------|------------|----------------|

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

|            |                 |
|------------|-----------------|
| Final Type | CIRCLING RWY 15 |
|------------|-----------------|



| AIRPORT ID   | PROCEDURE NAME    | AMDT NO. | CITY  | STATE | AIRPORT ELEVATION | FACILITY |
|--|-------------------|----------|---|-------|-------------------|----------|
| KPYM   | RNAV (GPS) RWY 24 | ORIG-D   | PLYMOUTH  | MA    | 148               | RNAV     |
| 20:1   |                   |          |   |       |                   |          |
| 201 TREE (25-047260) 415449.1000N/0704359.2200W (17.6167)    |                   |          | 199 TREE (25-021476) 415449.3200N/0704400.0900W (12.3726) |       |                   |          |
| 198 TREE (25-054025) 415449.3900N/0704359.6800W (12.3412)    |                   |          | 217 TREE (25-044078) 415453.8800N/0704402.9400W (7.3617)  |       |                   |          |
| 181 TREE (25-054024) 415450.2400N/0704355.1200W (5.8836)     |                   |          | 180 TREE (25-046384) 415447.0800N/0704358.2900W (5.8416)  |       |                   |          |
| 217 TREE (25-021478) 415454.0000N/0704403.3400W (5.8093)     |                   |          | 218 TREE (25-053380) 415452.8700N/0704405.0800W (5.3852)  |       |                   |          |
| 212 TREE (25-053672) 415453.6100N/0704402.3000W (5.097)      |                   |          | 217 TREE (25-053804) 415454.9600N/0704402.6900W (4.6064)  |       |                   |          |
| 176 TREE (25-053399) 415450.4200N/0704353.9000W (3.8571)     |                   |          | 213 TREE (25-045030) 415454.8300N/0704401.8200W (3.5602)  |       |                   |          |
| 217 TREE (25-053594) 415454.7800N/0704403.2600W (3.5265)     |                   |          | 179 TREE (25-054100) 415448.0600N/0704357.8200W (3.0497)  |       |                   |          |
| 221 TREE (25-026492) 415453.6100N/0704406.1000W (3.0268)     |                   |          | 173 POLE (25-021483) 415450.4300N/0704353.5100W (1.9609)  |       |                   |          |
| 177 BUILDING (25-063468) 415449.8300N/0704355.6500W (1.6621) |                   |          | 214 TREE (25-053611) 415452.6500N/0704405.3100W (1.4247)  |       |                   |          |
| 173 TREE (25-039125) 415450.0000N/0704354.2100W (1.3087)     |                   |          | 214 TREE (25-054142) 415455.4200N/0704402.3200W (1.2006)  |       |                   |          |
| 178 TREE (25-043316) 415450.9700N/0704355.1300W (0.4998)     |                   |          | 193 TREE (25-021477) 415450.5700N/0704400.8000W (0.2723)  |       |                   |          |
| 215 TREE (25-054031) 415453.8400N/0704404.7400W (0.2469)     |                   |          |   |       |                   |          |
| Final Type   | CIRCLING RWY 24   |          |   |       |                   |          |
| 20:1   |                   |          |   |       |                   |          |
| 169 TREE (25-051737) 415452.3700N/0704332.6300W (11.3292)    |                   |          | 155 TREE (25-075811) 415450.9900N/0704334.7800W (7.8903)  |       |                   |          |
| 219 TREE (25-026438) 415458.6000N/0704319.6100W (5.6729)     |                   |          | 218 TREE (25-025772) 415458.4000N/0704318.9500W (3.8643)  |       |                   |          |
| 223 TREE (25-026466) 415501.7300N/0704321.8000W (2.7324)     |                   |          | 220 TREE (25-075949) 415459.2900N/0704318.8800W (2.223)   |       |                   |          |
| 153 TREE (25-076014) 415451.7000N/0704333.6800W (0.4715)     |                   |          | 217 TREE (25-026433) 415458.6500N/0704318.2500W (0.2035)  |       |                   |          |
| 219 TREE (25-076022) 415500.0600N/0704319.6600W (0.0965)     |                   |          | 219 TREE (25-075438) 415459.7200N/0704319.0800W (0.0267)  |       |                   |          |
| Final Type   | LNAV              |          |   |       |                   |          |
| 20:1   |                   |          |   |       |                   |          |
| 169 TREE (25-051737) 415452.3700N/0704332.6300W (11.3292)    |                   |          | 155 TREE (25-075811) 415450.9900N/0704334.7800W (7.8903)  |       |                   |          |
| 219 TREE (25-026438) 415458.6000N/0704319.6100W (5.6729)     |                   |          | 218 TREE (25-025772) 415458.4000N/0704318.9500W (3.8643)  |       |                   |          |
| 223 TREE (25-026466) 415501.7300N/0704321.8000W (2.7324)     |                   |          | 220 TREE (25-075949) 415459.2900N/0704318.8800W (2.223)   |       |                   |          |
| 153 TREE (25-076014) 415451.7000N/0704333.6800W (0.4715)     |                   |          | 217 TREE (25-026433) 415458.6500N/0704318.2500W (0.2035)  |       |                   |          |
| 219 TREE (25-076022) 415500.0600N/0704319.6600W (0.0965)     |                   |          | 219 TREE (25-075438) 415459.7200N/0704319.0800W (0.0267)  |       |                   |          |
| Final Type   | LNAV              |          |   |       |                   |          |
| 34:1   |                   |          |   |       |                   |          |
|  |                   |          |   |       |                   | QUALITY  |
|  |                   |          |   |       |                   | 34       |



| AIRPORT ID<br>KPYM  | PROCEDURE NAME<br>RNAV (GPS) RWY 24                       | AMDT NO.<br>ORIG-D | CITY<br>PLYMOUTH  | STATE<br>MA   | AIRPORT ELEVATION<br>148 | FACILITY<br>RNAV  |
|---|---|--------------------|---|---|--------------------------|---|
| 239 TREE (25-075639) 415506.6300N/0704321.6000W (37.4537) | 232 TREE (25-026623) 415506.2300N/0704322.5000W (32.6463) |                    | 225 TREE (25-050027) 415503.9800N/0704322.6700W (31.0515) | 219 TREE (25-026465) 415459.4000N/0704318.2100W (29.2475) |                          | 220 TREE (25-026252) 415500.2500N/0704318.7600W (29.0754) |
| 224 TREE (25-025852) 415504.8000N/0704322.7100W (28.226)  | 217 TREE (25-049843) 415459.7900N/0704319.3300W (27.9385) |                    | 215 TREE (25-026432) 415500.9100N/0704322.0700W (27.2483) | 218 TREE (25-026004) 415502.5600N/0704322.6200W (27.24)   |                          | 221 TREE (25-050025) 415503.6600N/0704322.2800W (27.2337) |
| 214 TREE (25-025751) 415458.8800N/0704319.2000W (26.8431) | 220 TREE (25-026665) 415502.3900N/0704320.5300W (26.6703) |                    | 213 TREE (25-025752) 415459.4000N/0704320.1900W (26.0516) | 214 TREE (25-025750) 415459.2500N/0704319.1700W (25.9514) |                          | 214 TREE (25-050029) 415502.2000N/0704323.9400W (25.9357) |
| 213 TREE (25-049844) 415459.1500N/0704319.5400W (25.7049) | 223 TREE (25-025827) 415504.7800N/0704321.2800W (25.2467) |                    | 211 TREE (25-025773) 415457.5800N/0704317.9500W (25.0566) | 227 TREE (25-025886) 415506.5900N/0704321.2000W (24.979)  |                          | 231 TREE (25-075768) 415508.2100N/0704320.8800W (24.8075) |
| 215 TREE (25-050028) 415502.9900N/0704323.2100W (24.0886) | 220 TREE (25-025850) 415503.6200N/0704320.3800W (23.6347) |                    | 213 TREE (25-026467) 415459.5900N/0704318.7300W (23.5478) | 209 TREE (25-026442) 415500.3900N/0704322.7600W (23.419)  |                          | 212 TREE (25-025749) 415459.0600N/0704318.4000W (23.2969) |
| 233 TREE (25-025789) 415506.5500N/0704315.5200W (23.0268) | 217 TREE (25-026650) 415503.1800N/0704321.2600W (22.8909) |                    | 208 TREE (25-025771) 415502.0500N/0704324.8900W (21.6253) | 212 TREE (25-026459) 415501.9600N/0704321.6900W (21.3001) |                          | 207 TREE (25-026441) 415501.5400N/0704324.4400W (21.1586) |
| 207 TREE (25-026437) 415500.3000N/0704322.2600W (20.9175) | 210 TREE (25-026008) 415502.0000N/0704322.8900W (20.9077) |                    | 235 TREE (25-025946) 415507.6700N/0704314.1900W (20.5726) | 209 TREE (25-026429) 415500.9300N/0704321.5400W (20.4518) |                          | 219 TREE (25-026636) 415504.9600N/0704320.9900W (20.4229) |
| 208 TREE (25-026431) 415459.5000N/0704319.6800W (20.0998) | 210 TREE (25-026464) 415500.2700N/0704319.5000W (20.0775) |                    | 214 TREE (25-026648) 415503.1700N/0704321.1800W (19.8005) | 212 TREE (25-026246) 415500.7600N/0704318.6800W (19.7916) |                          | 207 TREE (25-026434) 415459.9500N/0704320.7300W (19.554)  |
| 218 TREE (25-025826) 415504.0000N/0704319.2700W (19.1905) | 210 TREE (25-026251) 415502.3200N/0704322.1700W (19.1535) |                    | 196 TREE (25-026732) 415459.8400N/0704328.0300W (19.1448) | 205 TREE (25-026439) 415501.1300N/0704323.7100W (19.0659) |                          | 213 TREE (25-025857) 415502.6000N/0704320.4400W (19.0608) |
| 228 TREE (25-026275) 415507.8600N/0704318.3400W (19.0137) | 209 TREE (25-026005) 415500.6100N/0704319.9900W (18.9911) |                    | 218 TREE (25-025825) 415504.6900N/0704320.2100W (18.938)  | 210 TREE (25-075595) 415500.0600N/0704318.0700W (18.5343) |                          |   |



| AIRPORT ID<br>KPYM  | PROCEDURE NAME<br>RNAV (GPS) RWY 24                       | AMDT NO.<br>ORIG-D | CITY<br>PLYMOUTH  | STATE<br>MA   | AIRPORT ELEVATION<br>148 | FACILITY<br>RNAV  |
|---|---|--------------------|---|---|--------------------------|---|
| 220 TREE (25-025888) 415501.1300N/0704312.5300W (18.2324) | 210 TREE (25-026248) 415502.1800N/0704321.1200W (17.9879) |                    | 222 TREE (25-049651) 415503.8800N/0704315.3200W (17.8718) | 221 TREE (25-025883) 415505.6700N/0704318.7500W (17.621)  |                          | 222 TREE (25-026350) 415502.2600N/0704312.2300W (17.2139) |
| 202 TREE (25-026707) 415458.4900N/0704320.1300W (17.0553) | 223 TREE (25-026356) 415505.3200N/0704316.3400W (17.0112) |                    | 214 TREE (25-026642) 415504.8900N/0704321.9900W (16.9998) | 225 TREE (25-026259) 415506.2700N/0704316.3600W (16.8591) |                          | 209 TREE (25-026247) 415502.9700N/0704322.2800W (16.8174) |
| 229 TREE (25-025943) 415506.8600N/0704313.8700W (15.9785) | 217 TREE (25-026610) 415504.9500N/0704319.2100W (15.925)  |                    | 208 TREE (25-076023) 415503.1700N/0704322.3200W (15.415)  | 222 TREE (25-026313) 415503.9800N/0704313.5300W (15.1072) |                          | 221 TREE (25-026357) 415505.8400N/0704317.1300W (14.9365) |
| 219 TREE (25-026040) 415506.8000N/0704319.7600W (14.4577) | 221 TREE (25-026310) 415506.8300N/0704318.6000W (14.746)  |                    | 201 TREE (25-025770) 415500.2000N/0704321.6800W (14.3256) | 209 TREE (25-025855) 415502.3300N/0704319.5600W (14.4343) |                          | 226 TREE (25-026544) 415506.0600N/0704313.3800W (14.1207) |
| 243 TREE (25-076049) 415514.2400N/0704314.5100W (13.9461) | 200 TREE (25-026440) 415459.9500N/0704321.8400W (14.126)  |                    | 223 TREE (25-026276) 415506.8500N/0704316.5200W (13.7544) | 223 TREE (25-025787) 415504.6400N/0704313.1200W (14.0117) |                          | 199 TREE (25-025775) 415459.4300N/0704321.3700W (13.6539) |
| 224 TREE (25-049840) 415507.5700N/0704316.7500W (13.4276) | 205 TREE (25-026250) 415459.7700N/0704317.8700W (13.9167) |                    | 221 TREE (25-025823) 415503.7000N/0704312.4800W (13.2628) | 241 TREE (25-075509) 415514.5600N/0704316.2600W (13.6899) |                          | 198 TREE (25-026794) 415459.6200N/0704321.9300W (13.0109) |
| 211 TREE (25-076063) 415504.2600N/0704320.1700W (12.8683) | 219 TREE (25-026352) 415507.4700N/0704320.1700W (13.5005) |                    | 210 TREE (25-025830) 415504.1500N/0704320.4900W (12.574)  | 221 TREE (25-026256) 415504.7400N/0704314.1700W (13.2693) |                          | 214 TREE (25-026703) 415503.0100N/0704315.6400W (12.3219) |
| 221 TREE (25-026274) 415505.9200N/0704315.2900W (12.1471) | 214 TREE (25-026617) 415504.2800N/0704318.3200W (13.2024) |                    | 219 TREE (25-075363) 415505.0400N/0704314.5800W (11.1614) | 209 TREE (25-075617) 415503.2000N/0704319.9600W (13.0039) |                          | 238 TREE (25-049657) 415513.2100N/0704314.1100W (10.7437) |
| 211 TREE (25-026620) 415501.8500N/0704314.7100W (10.6673) | 213 TREE (25-025892) 415504.9900N/0704319.8300W (12.7113) |                    | 220 TREE (25-026277) 415503.4800N/0704310.8800W (10.5018) | 221 TREE (25-026273) 415507.0700N/0704317.3300W (12.3966) |                          | 205 TREE (25-025854) 415503.6000N/0704321.3800W (10.0968) |
| 210 TREE (25-025895) 415504.4900N/0704319.2000W (9.9667)  | 209 TREE (25-026643) 415504.1700N/0704321.0400W (12.307)  |                    | 211 TREE (25-025891) 415503.8300N/0704317.2300W (9.6916)  | 187 TREE (25-075654) 415455.1600N/0704321.7800W (12.0354) |                          | 225 TREE (25-026785) 415508.5200N/0704314.7800W (9.4572)  |

QUALITY  
34  
CHECKED

| AIRPORT ID<br>KPYM                                       | PROCEDURE NAME<br>RNAV (GPS) RWY 24                      | AMDT NO.<br>ORIG-D | CITY<br>PLYMOUTH | STATE<br>MA | AIRPORT ELEVATION<br>148 | FACILITY<br>RNAV |
|--|--|--------------------|------------------|-------------|--------------------------|------------------|
| 210 TREE (25-025894) 415505.7900N/0704320.9200W (9.4187) | 227 TREE (25-026749) 415511.2600N/0704317.6800W (9.2752) |                    |                  |             |                          |                  |
| 200 TREE (25-026458) 415501.7000N/0704321.2200W (9.2312) | 215 TREE (25-026354) 415503.3400N/0704313.2100W (9.123)  |                    |                  |             |                          |                  |
| 197 TREE (25-026430) 415500.5500N/0704321.3600W (9.0691) | 198 TREE (25-075928) 415500.4600N/0704320.4500W (8.9869) |                    |                  |             |                          |                  |
| 208 TREE (25-075866) 415500.8600N/0704313.9900W (8.9198) | 185 POLE (25-075431) 415459.6000N/0704328.0500W (8.724)  |                    |                  |             |                          |                  |
| 207 TREE (25-026637) 415503.3000N/0704318.4800W (8.6784) | 222 TREE (25-049655) 415507.8900N/0704315.2900W (8.6254) |                    |                  |             |                          |                  |
| 200 TREE (25-075614) 415502.2000N/0704321.5600W (8.5651) | 210 TREE (25-075695) 415505.4000N/0704319.5300W (8.3453) |                    |                  |             |                          |                  |
| 215 TREE (25-026312) 415505.5000N/0704316.1100W (8.2724) | 226 TREE (25-049652) 415509.0000N/0704314.0100W (8.265)  |                    |                  |             |                          |                  |
| 216 TREE (25-026258) 415505.0100N/0704314.5500W (8.1877) | 213 TREE (25-026351) 415506.3500N/0704318.7000W (7.9894) |                    |                  |             |                          |                  |
| 205 TREE (25-025831) 415503.5000N/0704319.7200W (7.9754) | 218 TREE (25-026278) 415505.3800N/0704313.5200W (7.8798) |                    |                  |             |                          |                  |
| 219 TREE (25-026540) 415506.2000N/0704313.7900W (7.3801) | 209 TREE (25-025887) 415502.3300N/0704314.3700W (7.084)  |                    |                  |             |                          |                  |
| 204 TREE (25-025848) 415503.6900N/0704320.0300W (6.9783) | 215 TREE (25-026260) 415507.2400N/0704317.7500W (6.6012) |                    |                  |             |                          |                  |
| 210 TREE (25-026315) 415503.5900N/0704315.1700W (6.325)  | 219 TREE (25-026545) 415504.5700N/0704310.3500W (6.2494) |                    |                  |             |                          |                  |
| 226 TREE (25-026758) 415509.6100N/0704313.5500W (6.2134) | 232 TREE (25-026407) 415509.9900N/0704309.8500W (6.1013) |                    |                  |             |                          |                  |
| 207 TREE (25-026616) 415503.0700N/0704316.2800W (6.0906) | 201 TREE (25-049845) 415502.0900N/0704318.8500W (5.9796) |                    |                  |             |                          |                  |
| 182 TREE (25-026735) 415459.1100N/0704327.4000W (5.9282) | 226 TREE (25-026760) 415508.8700N/0704312.1000W (5.8584) |                    |                  |             |                          |                  |
| 177 TREE (25-075576) 415454.3000N/0704322.8200W (5.4822) | 213 TREE (25-025824) 415506.5400N/0704317.2300W (5.4715) |                    |                  |             |                          |                  |
| 232 TREE (25-026408) 415514.1700N/0704316.1100W (5.3726) | 214 TREE (25-025785) 415504.2300N/0704312.6400W (5.273)  |                    |                  |             |                          |                  |
| 211 TREE (25-026353) 415504.6600N/0704315.4000W (5.1949) | 201 TREE (25-026646) 415503.0400N/0704319.7500W (5.0737) |                    |                  |             |                          |                  |
| 212 TREE (25-026254) 415507.0100N/0704318.3300W (4.9505) | 196 TREE (25-075435) 415459.4800N/0704317.4100W (4.9309) |                    |                  |             |                          |                  |
| 181 TREE (25-075582) 415458.8700N/0704326.9300W (4.8134) | 205 TREE (25-025893) 415502.4400N/0704315.7100W (4.7293) |                    |                  |             |                          |                  |
| 223 TREE (25-049649) 415508.5900N/0704312.8800W (4.6057) | 225 TREE (25-026761) 415509.3600N/0704312.7100W (4.5976) |                    |                  |             |                          |                  |
| 209 TREE (25-026349) 415503.4400N/0704314.4000W (4.5788) | 219 TREE (25-076054) 415507.2600N/0704313.4800W (4.5081) |                    |                  |             |                          |                  |
| 229 TREE (25-026403) 415512.7800N/0704315.2700W (4.3734) | 207 TREE (25-026698) 415503.8900N/0704316.0800W (3.9252) |                    |                  |             |                          |                  |
| 208 TREE (25-025722) 415503.5300N/0704314.7500W (3.8679) | 208 TREE (25-075540) 415506.9900N/0704320.2900W (3.7722) |                    |                  |             |                          |                  |
| 200 TREE (25-026644) 415500.0400N/0704314.4800W (3.4959) | 213 TREE (25-075485) 415505.5600N/0704314.2300W (3.4722) |                    |                  |             |                          |                  |
| 197 TREE (25-075462) 415501.5400N/0704318.9900W (3.4403) | 225 TREE (25-026778) 415511.1800N/0704314.8400W (3.4368) |                    |                  |             |                          |                  |
| 208 TREE (25-026041) 415505.1100N/0704316.9300W (3.3288) | 207 TREE (25-025725) 415505.4600N/0704318.1800W (3.2957) |                    |                  |             |                          |                  |
| 219 TREE (25-025948) 415509.2600N/0704315.8600W (3.2882) | 205 TREE (25-025885) 415504.8400N/0704318.4700W (3.1295) |                    |                  |             |                          |                  |
| 202 TREE (25-026625) 415504.2300N/0704319.5700W (3.0874) | 230 TREE (25-025810) 415509.9500N/0704309.0100W (3.0034) |                    |                  |             |                          |                  |



| AIRPORT ID<br>KPYM                                       | PROCEDURE NAME<br>RNAV (GPS) RWY 24 | AMDT NO.<br>ORIG-D | CITY<br>PLYMOUTH | STATE<br>MA | AIRPORT ELEVATION<br>148 | FACILITY<br>RNAV   |
|--|-------------------------------------|--------------------|------------------|-------------|--------------------------|--|
| 179 TREE (25-026736) 415456.6600N/0704323.4800W (3.0001) |                                     |                    |                  |             |                          | 214 TREE (25-075465) 415507.3400N/0704315.9800W (2.865)  |
| 205 TREE (25-026702) 415506.1100N/0704320.1000W (2.5229) |                                     |                    |                  |             |                          | 223 TREE (25-026763) 415507.0900N/0704308.9200W (2.4402) |
| 199 TREE (25-075961) 415502.6100N/0704318.6000W (2.432)  |                                     |                    |                  |             |                          | 194 TREE (25-026003) 415500.9900N/0704319.4900W (2.4108) |
| 227 TREE (25-025805) 415509.4300N/0704309.8300W (2.3582) |                                     |                    |                  |             |                          | 213 TREE (25-025791) 415507.3600N/0704316.3100W (2.2865) |
| 198 TREE (25-075511) 415500.0100N/0704314.8900W (2.1454) |                                     |                    |                  |             |                          | 212 TREE (25-025790) 415508.3100N/0704318.4500W (2.1366) |
| 202 TREE (25-075893) 415504.7800N/0704319.6700W (1.9667) |                                     |                    |                  |             |                          | 201 TREE (25-026624) 415503.8200N/0704318.7900W (1.9239) |
| 209 TREE (25-075653) 415503.4000N/0704312.4200W (1.8664) |                                     |                    |                  |             |                          | 178 TREE (25-051731) 415457.7500N/0704325.1500W (1.8633) |
| 230 TREE (25-075531) 415513.3400N/0704313.6100W (1.7372) |                                     |                    |                  |             |                          | 227 TREE (25-075641) 415507.6100N/0704306.3000W (1.5361) |
| 231 TREE (25-049650) 415513.1500N/0704312.3500W (1.3889) |                                     |                    |                  |             |                          | 218 TREE (25-026787) 415508.9300N/0704314.6900W (1.3887) |
| 220 TREE (25-026752) 415508.0800N/0704311.7800W (1.2184) |                                     |                    |                  |             |                          | 227 TREE (25-026406) 415512.6600N/0704314.2100W (1.1477) |
| 214 TREE (25-026546) 415507.0300N/0704314.0700W (0.8716) |                                     |                    |                  |             |                          | 177 TREE (25-075732) 415457.3100N/0704324.3800W (0.7828) |
| 204 TREE (25-049842) 415504.9600N/0704317.6500W (0.6928) |                                     |                    |                  |             |                          | 202 TREE (25-025890) 415502.2900N/0704314.7200W (0.6715) |
| 212 TREE (25-075694) 415508.3600N/0704317.3900W (0.5207) |                                     |                    |                  |             |                          | 206 TREE (25-026355) 415503.6400N/0704313.6700W (0.0859) |

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or  
**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

**PENETRATIONS REMARKS:**

**PART C: GENERAL REMARKS:**

VDP NOT ESTABLISHED - 20:1 PENETRATIONS EXIST.  
  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
  
 BACK-UP ALTIMETER CONTINGENCY NOTES:  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAUNTON ALTIMETER SETTING: INCREASE ALL MDAS 60 FEET AND LNAV/CIRCLING VISIBILITY CAT C 1/4 SM.  
  
 ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



|                           |  |                           |                         |                    |                                 |                         |
|---------------------------|--|---------------------------|-------------------------|--------------------|---------------------------------|-------------------------|
| <u>AIRPORT ID</u><br>KPYM | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 24 | <u>AMDT NO.</u><br>ORIG-D | <u>CITY</u><br>PLYMOUTH | <u>STATE</u><br>MA | <u>AIRPORT ELEVATION</u><br>148 | <u>FACILITY</u><br>RNAV |
|---------------------------|--|---------------------------|-------------------------|--------------------|---------------------------------|-------------------------|

PART D: AIRSPACE

DOCKET # NOT REQUIRED

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

|                 |       |                                 |        |
|-----------------|-------|---------------------------------|--------|
| DISTANCE FROM   | THLD  | TO 1000FT POINT                 | 2.30   |
| WIDTH OF        | FINAL | SEGMENT AT 1000FT POINT         | 1.20   |
| TRUE COURSE OF  | FINAL | SEGMENT CONTAINING 1000FT POINT | 219.61 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1000FT POINT | 200    |
| DISTANCE FROM   | THLD  | TO 1500FT POINT                 | 4.37   |
| WIDTH OF        | FINAL | SEGMENT AT 1500FT POINT         | 1.57   |
| TRUE COURSE OF  | FINAL | SEGMENT CONTAINING 1500FT POINT | 219.61 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1500FT POINT | 200    |

THRESHOLD  
COORDINATES  
(IF STR-IN)

415448.38N/0704334.84W

ARP COORDINATES

415431.64N/0704339.46W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 33 DISTANCE 0.50 NM

FAF  
COORDINATES

415838.16N/0703920.37W

FIX NAME  
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.  
THLD DISPLACED 300FT, ACTUAL COORDINATES: 415450.66N/0704332.30W.

QUALITY  
34  
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 13 of 14



PART E: PREPARED BY

|                            |                           |                           |   |
|----------------------------|---------------------------|---------------------------|---|
| <u>NAME</u><br>RALPH DUMAR | <u>OFFICE</u><br>AJV-A422 | <u>DATE</u><br>06/21/2023 | <u>TITLE</u><br>AERONAUTICAL INFORMATION SPECIALIST |
|----------------------------|---------------------------|---------------------------|---|

