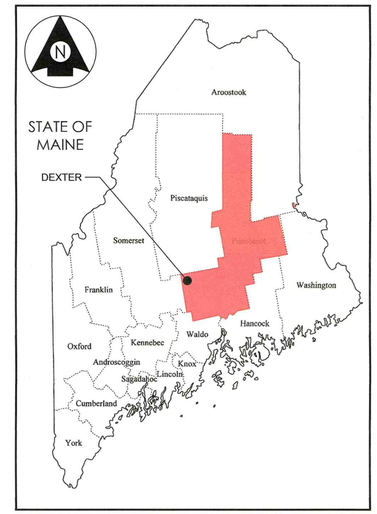
Stantec

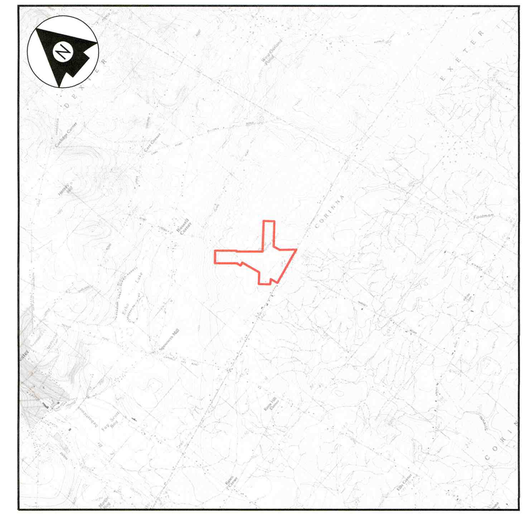
DEXTER REGIONAL AIRPORT
DEXTER, MAINE

AIRPORT LAYOUT PLAN UPDATE

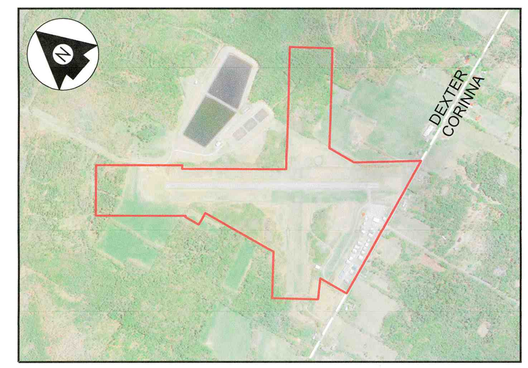
APRIL 2018
A.I.P PROJECT NO. 3-23-0016-11-2016
STANTEC PROJECT NO. 195210879



COUNTY MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

INDEX OF SHEETS

SHEET NO.	TITLE	REVISION DATE
1.	TITLE SHEET	
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3.	EXISTING FACILITIES PLAN	
4.	ULTIMATE AIRPORT LAYOUT PLAN	
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8.	FAR PART 77 IMAGINARY SURFACES PLAN	
9.	LAND USE PLAN	
10.	EXHIBIT A	

ORIGINAL SHEET - ARCH D

RUNWAY 16-34 DATA TABLE

RUNWAY DATA	EXISTING		PROPOSED	
	RUNWAY 16	RUNWAY 34	RUNWAY 16	RUNWAY 34
Utility Runway (Y/N)	Y		Y	
Runway Design Code (RDC)	A-I (Small)		A-I (Small)	
Pavement Strength & Material Type	Asphalt		Asphalt	
Strength by Wheel Loading	30,000 LBS SW		30,000 LBS SW	
Pavement Classification Number (PCN)	N/A		N/A	
Surface Treatment	NONE		NONE	
Effective Runway Gradient	0.10%	-0.10%	0.10%	-0.10%
Percent Wind Coverage	N/A		N/A	
Runway Length	3,008'		3,008'	
Runway Width	75'		75'	
Displaced Threshold (Distance/Elevation)	NONE	NONE	NONE	NONE
Runway End Coordinates				
Latitude	N 45° 00' 29.3949"	N 45° 00' 6.8881"	N 45° 00' 29.3949"	N 45° 00' 6.8881"
Longitude	W 069° 14' 27.4377"	W 069° 14' 0.1178"	W 069° 14' 27.4377"	W 069° 14' 0.1178"
Elevation	520.7 ft.	523.8 ft.	520.7 ft.	523.8 ft.
Runway Lighting Type	MIRL		MIRL	
Approach Lighting	NONE	NONE	NONE	NONE
Vertical Glide Slope Indicator Lights (VGSI)	NONE	NONE	PAPI	PAPI
Runway Protection Zone (RPZ) (IW x OW x L)	250' x 450' x 1,000'	250' x 450' x 1,000'	250' x 450' x 1,000'	250' x 450' x 1,000'
Runway Marking Type	NON-PRECISION	NON-PRECISION	NON-PRECISION	NON-PRECISION
14 CFR Part 77 Approach Category	NON-PRECISION	NON-PRECISION	NON-PRECISION	NON-PRECISION
Approach Type	RNAV-GPS	RNAV-GPS	RNAV-GPS	RNAV-GPS
Visibility Minimums	1MI	1MI	1MI	1MI
Runway Departure Surface (Y/N)	Y	Y	Y	Y
Runway Safety Area (RSA)				
Length Beyond Departure End	240'	240'	240'	240'
Length Prior to Threshold	240'	240'	240'	240'
Width	120'		120'	
Object Free Area (OFA)				
Length Beyond Departure End	240'	240'	240'	240
Length Prior to Threshold	240'	240'	240'	240'
Width	250'		250'	
Obstacle Free Zone (OFZ)				
Length	200'	200'	200'	200'
Width	120'		120'	
Threshold Siting Surface (TSS)	N	N	N	N
Visual and Instrument NAVAIDs	NONE	NONE	PAPI, REILS	PAPI, REILS
Touchdown Zone Elevation	526.4'	526.4'	526.4'	526.4'
Taxiway Design Group	TDG-IA	TDG-IA	TDG-IA	TDG-IA

FACILITIES TABLE

EXISTING			PROPOSED		
NO.	DESCRIPTION	TOP ELEVATION (MSL)	NO.	DESCRIPTION	TOP ELEVATION (MSL)
1	Terminal Building	537	P1	Hangar	557
3	Hangar	540	P2	Hangar	555
4	Hangar	546	P3	Hangar	554
5	Hangar	544	P4	Hangar	553
6	Hangar	544	P5	Hangar	551
7	Hangar	546	P6	Hangar	550
8	Hangar	543	P7	Hangar	548
9	Hangar	537	P8	Hangar	547
10	Hangar	544	P9	Hangar	546
11	Hangar	541	P10	Hangar	547
12	Hangar	543	P11	Hangar	547
13	Hangar	548	P12	Hangar	540
14	Hangar	545	P13	Hangar	544
15	Hangar	543	P14	Hangar	552
16	Hangar	547	P15	Hangar	552
17	Hangar	546	P16	Hangar	552
18	Hangar	543	P17	Hangar	552
19	Hangar	546			
22	Hangar	546			
23	Hangar	548			
24	Hangar	549			
25	Hangar	548			
26	Hangar	549			
29	SRE Building	548			
30	Hangar	549			
35	Storage	566			

AIRPORT DATA TABLE

AIRPORT DATA	EXISTING	PROPOSED
FAA Site Number	#07939.A	#07939.A
Airport Elevation (MSL)	533' MSL	533' MSL
Airport Reference Point (NAD 83)		
Latitude	45° 00' 16.23" N	45° 00' 16.23" N
Longitude	69° 14' 14.77" W	69° 14' 14.77" W
Mean Max Temperature of Hottest Month	78.1° F	78.1° F
Airport Navigation Aids	Rotating Beacon	Rotating Beacon
Miscellaneous Facilities	Lighted Wind Cone	Lighted Wind Cone
Declination	16°W	16°W
Source (Date)	NOAA (2017)	
NPIAS Service Level/Asset Level	General Aviation/Local	General Avaition/Local
Airport Reference Code	A-I Small	A-I Small
Taxiway Design Group	TDG-I	TDG-I
Design Aircraft	Cessna 185 Skywagon	Cessna 185 Skywagon

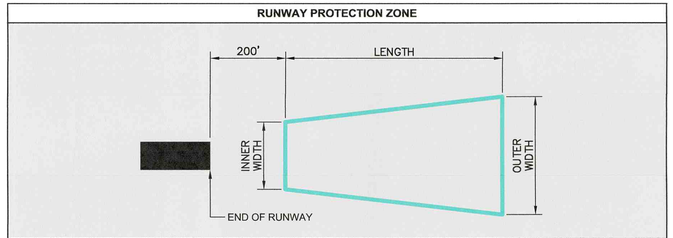
FAR PART 77 DIMENSIONS

RUNWAY	16	34	7	25
Appraoch Category	Non-Precision	Non-Precision	Visual	Visual
Primary Surface Width	500'	500'	250'	250'
Appraoch Surface Inner Width	500'	500'	250'	250'
Appraoch Surface Outer Width	2,000'	2,000'	1,250'	1,250'
Appraoch Surface Length	5,000'	5,000'	5,000'	5,000'
Appraoch Surface Slope	20:1	20:1	20:1	20:1

RUNWAY 07-25 DATA TABLE

RUNWAY DATA	EXISTING		PROPOSED	
	RUNWAY 07	RUNWAY 25	RUNWAY 07	RUNWAY 25
Utility Runway (Y/N)	Y		Y	
Runway Design Code (RDC)	A-I (Small)		A-I (Small)	
Pavement Strength & Material Type	Turf		Turf	
Strength by Wheel Loading	N/A		N/A	
Pavement Classification Number (PCN)	N/A		N/A	
Surface Treatment	N/A		N/A	
Effective Runway Gradient	-0.50%	0.50%	-0.50%	0.50%
Percent Wind Coverage	N/A		N/A	
Runway Length	1,250'		1,250'	
Runway Width	120'		120'	
Displaced Threshold (Distance/Elevation)	NONE	NONE	NONE	NONE
Runway End Coordinates				
Latitude	N 45° 00' 07.6000"	N 45° 00' 15.63"	N 45° 00' 07.6000"	N 45° 00' 15.63"
Longitude	W 069° 14' 23.7700"	W 069° 14' 10.57"	W 069° 14' 23.7700"	W 069° 14' 10.57"
Elevation	533.0 ft.	526.3 ft.	533.0 ft.	526.3 ft.
Runway Lighting Type	N/A		N/A	
Approach Lighting	NONE	NONE	NONE	NONE
Vertical Glide Slope Indicator Lights (VGSI)	NONE	NONE	NONE	NONE
Runway Protection Zone (RPZ) (IW x OW x L)	250' x 450' x 1,000'	250' x 450' x 1,000'	250' x 450' x 1,000'	250' x 450' x 1,000'
Runway Marking Type	N/A	N/A	N/A	N/A
14 CFR Part 77 Approach Category	VISUAL	VISUAL	VISUAL	VISUAL
Approach Type	VISUAL	VISUAL	VISUAL	VISUAL
Visibility Minimums	3MI	3MI	3MI	3MI
Runway Departure Surface (Y/N)	N	N	N	N
Runway Safety Area (RSA)				
Length Beyond Departure End	240'	240'	240'	240'
Length Prior to Threshold	240'	240'	240'	240'
Width	120'		120'	
Object Free Area (OFA)				
Length Beyond Departure End	240'	240'	240'	240
Length Prior to Threshold	240'	240'	240'	240'
Width	250'		250'	
Obstacle Free Zone (OFZ)				
Length	200'	200'	200'	200'
Width	120'		120'	
Threshold Siting Surface (TSS)	N	N	N	N
Visual and Instrument NAVAIDs	N/A	N/A	N/A	N/A
Touchdown Zone Elevation	533'	533'	533'	533'
Taxiway Design Group	TDG-IA	TDG-IA	TDG-IA	TDG-IA

RUNWAY PROTECTION ZONE



EXISTING

RUNWAY	APPROACH TYPE	VISIBILITY	INNER WIDTH	OUTER WIDTH	LENGTH	ACRES
7	VISUAL	3 MI	250'	450'	1,000'	8.035
25	VISUAL	3 MI	250'	450'	1,000'	8.035
16	GPS	1 MI	250'	450'	1,000'	8.035
34	GPS	1 MI	250'	450'	1,000'	8.035

PROPOSED

RUNWAY	APPROACH TYPE	VISIBILITY	INNER WIDTH	OUTER WIDTH	LENGTH	ACRES
7	VISUAL	3 MI	250'	450'	1,000'	8.035
25	VISUAL	3 MI	250'	450'	1,000'	8.035
16	GPS	1 MI	250'	450'	1,000'	8.035
34	GPS	1 MI	250'	450'	1,000'	8.035

FAA's approval of this Airport Layout Plan (ALP) represents acceptance of the general location of future facilities depicted. During the preliminary design phase, the airport sponsor is required to resubmit for approval the final locations, heights and exterior finish of structures. FAA's concern is obstructions, impact on electronic aids or adverse effects on controller view of aircraft approach and ground movement areas which could adversely affect the safety, efficiency or utility of the airport.

There are no OFZ penetrations other than frangible NAVAIDs.

The Building Restriction Line shown assumes a height of 20' above the ground level (AGL). Buildings less than 20' could be positioned closer to the runway and buildings taller than 20' will be required to be further from the runway.

To protect operational safety and future development, all proposed construction on the airport must be coordinated by the airport owner with the Airports District Office prior to construction. FAA's review takes approximately 60 days.

Stantec

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Revision	By	Appd.	YY.MM.DD

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	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Client/Project
DEXTER REGIONAL AIRPORT

AIRPORT LAYOUT PLAN UPDATE

DEXTER, MAINE

Title
DATA TABLES PLAN

Project No. 195210879

Scale AS NOTED

Drawing No. 2

Sheet 2 of 10

Revision 0

ORIGINAL SHEET - ARCH D

FACILITIES TABLE

EXISTING

NO.	DESCRIPTION	TOP ELEVATION (MSL)
1	Terminal Building	537
3	Hangar	540
4	Hangar	546
5	Hangar	544
6	Hangar	544
7	Hangar	546
8	Hangar	543
9	Hangar	537
10	Hangar	544
11	Hangar	541
12	Hangar	543
13	Hangar	548
14	Hangar	545
15	Hangar	543
16	Hangar	547
17	Hangar	546
18	Hangar	543
19	Hangar	546
22	Hangar	546
23	Hangar	548
24	Hangar	549
25	Hangar	548
26	Hangar	549
29	SRE Building	548
30	Hangar	549
35	Storage	566

AIRPORT DATA TABLE

AIRPORT DATA	EXISTING	PROPOSED
FAA Site Number	#07939.A	#07939.A
Airport Elevation (MSL)	533' MSL	533' MSL
Airport Reference Point (NAD 83)		
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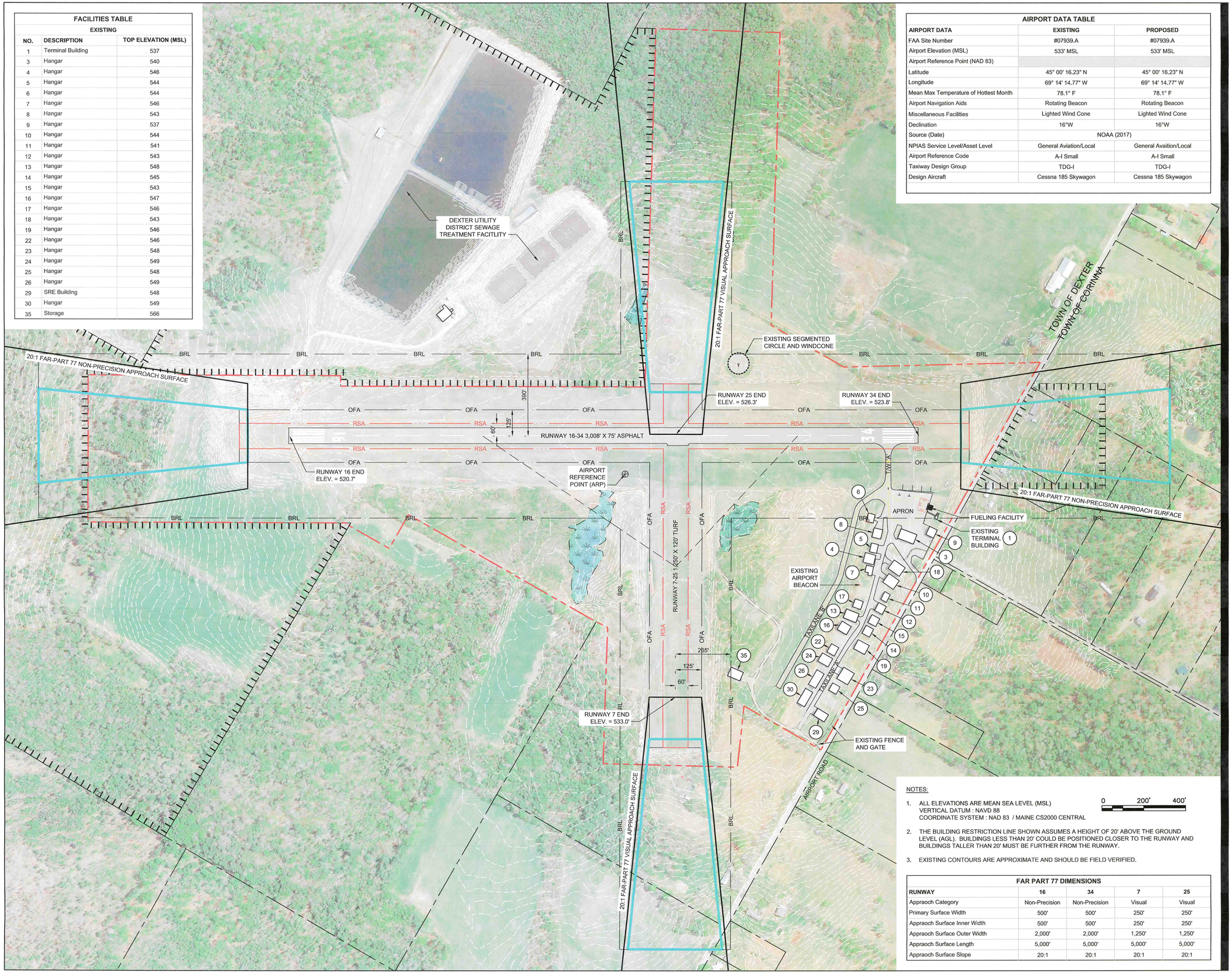
Longitude	69° 14' 14.77" W	69° 14' 14.77" W
Mean Max Temperature of Hottest Month	78.1° F	78.1° F
Airport Navigation Aids	Rotating Beacon	Rotating Beacon
Miscellaneous Facilities	Lighted Wind Cone	Lighted Wind Cone
Declination	16°W	16°W
Source (Date)	NOAA (2017)	
NPIAS Service Level/Asset Level	General Aviation/Local	General Avaition/Local
Airport Reference Code	A-I Small	A-I Small
Taxiway Design Group	TDG-I	TDG-I
Design Aircraft	Cessna 185 Skywagon	Cessna 185 Skywagon



NOTES:

1. ALL ELEVATIONS ARE MEAN SEA LEVEL (MSL)
   VERTICAL DATUM : NAVD 88
   COORDINATE SYSTEM : NAD 83 / MAINE CS2000 CENTRAL
2. THE BUILDING RESTRICTION LINE SHOWN ASSUMES A HEIGHT OF 20' ABOVE THE GROUND LEVEL (AGL). BUILDINGS LESS THAN 20' COULD BE POSITIONED CLOSER TO THE RUNWAY AND BUILDINGS TALLER THAN 20' MUST BE FURTHER FROM THE RUNWAY.
3. EXISTING CONTOURS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.

0 200' 400'

FAR PART 77 DIMENSIONS

RUNWAY	16	34	7	25
Appraoch Category	Non-Precision	Non-Precision	Visual	Visual
Primary Surface Width	500'	500'	250'	250'
Appraoch Surface Inner Width	500'	500'	250'	250'
Appraoch Surface Outer Width	2,000'	2,000'	1,250'	1,250'
Appraoch Surface Length	5,000'	5,000'	5,000'	5,000'
Appraoch Surface Slope	20:1	20:1	20:1	20:1

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LEGEND

- AIRPORT PROPERTY LINE
- EXISTING CONTOUR
- EXISTING FENCE
- RUNWAY SAFETY AREA
- OBJECT FREE AREA
- BUILDING RESTRICTION LINE
- RUNWAY VISIBILITY LINE
- RUNWAY PROTECTION ZONE
- FAR PART 77 SURFACE
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- EXISTING BUILDING
- EXISTING EASEMENT
- EXISTING WETLANDS
- BUILDING NUMBER

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

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	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Client/Project
DEXTER REGIONAL AIRPORT

AIRPORT LAYOUT PLAN UPDATE

DEXTER, MAINE

Title
EXISTING FACILITIES PLAN

Project No. 195210879

Scale AS NOTED

Drawing No. 3

Sheet 3 of 10

Revision 0

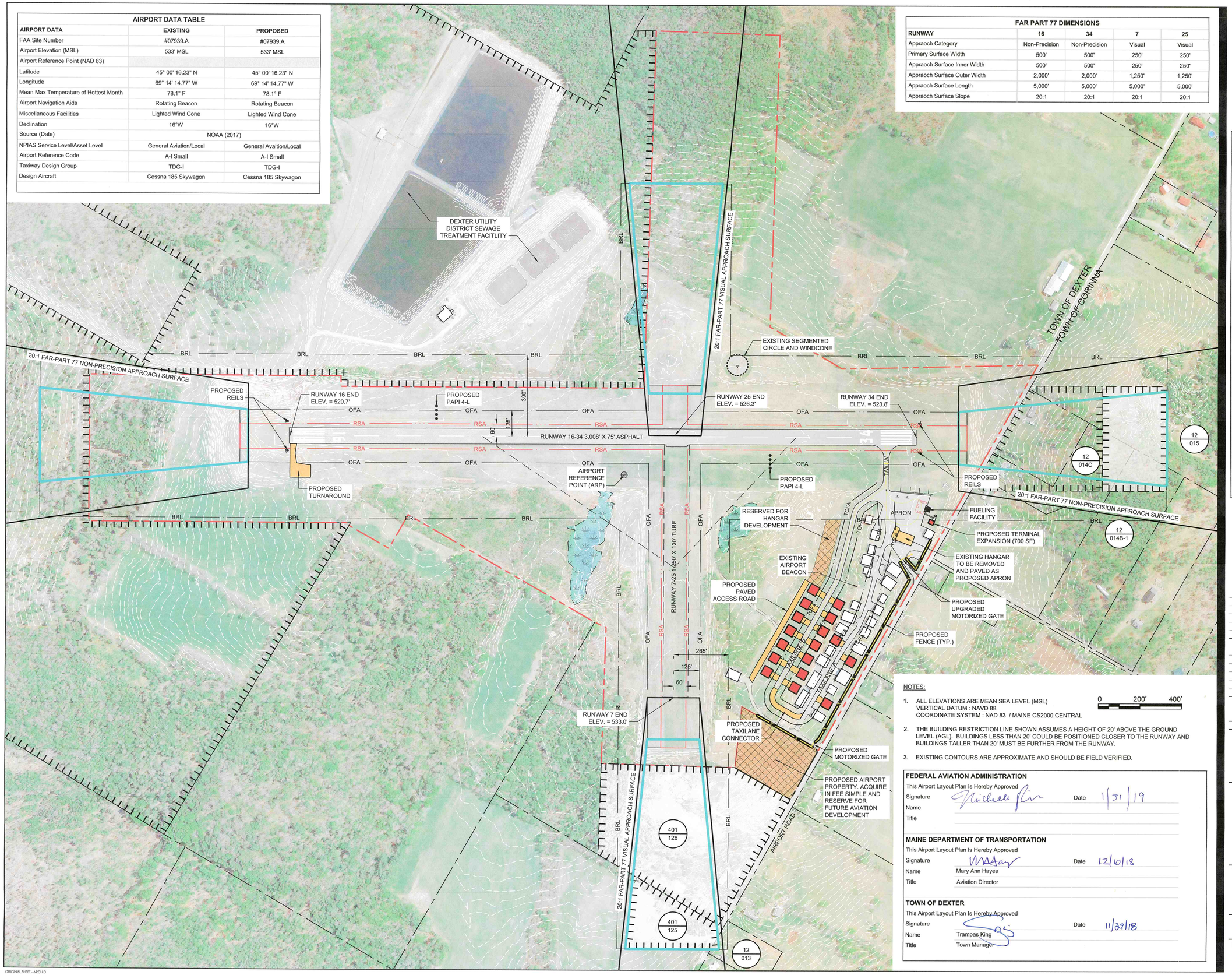
ORIGINAL SHEET - ARCH D

AIRPORT DATA TABLE

AIRPORT DATA	EXISTING	PROPOSED
FAA Site Number	#07939.A	#07939.A
Airport Elevation (MSL)	533' MSL	533' MSL
Airport Reference Point (NAD 83)		
Latitude	45° 00' 16.23" N	45° 00' 16.23" N
Longitude	69° 14' 14.77" W	69° 14' 14.77" W
Mean Max Temperature of Hottest Month	78.1° F	78.1° F
Airport Navigation Aids	Rotating Beacon	Rotating Beacon
Miscellaneous Facilities	Lighted Wind Cone	Lighted Wind Cone
Declination	16°W	16°W
Source (Date)	NOAA (2017)	
NPIAS Service Level/Asset Level	General Aviation/Local	General Avaition/Local
Airport Reference Code	A-I Small	A-I Small
Taxiway Design Group	TDG-I	TDG-I
Design Aircraft	Cessna 185 Skywagon	Cessna 185 Skywagon

FAR PART 77 DIMENSIONS

RUNWAY	16	34	7	25
Appraoch Category	Non-Precision	Non-Precision	Visual	Visual
Primary Surface Width	500'	500'	250'	250'
Appraoch Surface Inner Width	500'	500'	250'	250'
Appraoch Surface Outer Width	2,000'	2,000'	1,250'	1,250'
Appraoch Surface Length	5,000'	5,000'	5,000'	5,000'
Appraoch Surface Slope	20:1	20:1	20:1	20:1



NOTES:

1. ALL ELEVATIONS ARE MEAN SEA LEVEL (MSL)
   VERTICAL DATUM : NAVD 88
   COORDINATE SYSTEM : NAD 83 / MAINE CS2000 CENTRAL
2. THE BUILDING RESTRICTION LINE SHOWN ASSUMES A HEIGHT OF 20' ABOVE THE GROUND LEVEL (AGL). BUILDINGS LESS THAN 20' COULD BE POSITIONED CLOSER TO THE RUNWAY AND BUILDINGS TALLER THAN 20' MUST BE FURTHER FROM THE RUNWAY.
3. EXISTING CONTOURS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.

0 200' 400'

FEDERAL AVIATION ADMINISTRATION
This Airport Layout Plan Is Hereby Approved
Signature Michael Gray Date 1/31/19
Name
Title

MAINE DEPARTMENT OF TRANSPORTATION
This Airport Layout Plan Is Hereby Approved
Signature MAAyes Date 12/10/18
Name Mary Ann Hayes
Title Aviation Director

TOWN OF DEXTER
This Airport Layout Plan Is Hereby Approved
Signature Date 11/29/18
Name Trampas King
Title Town Manager

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LEGEND

- AIRPORT PROPERTY LINE
- EXISTING CONTOUR
- EXISTING FENCE
- PROPOSED FENCE
- RUNWAY SAFETY AREA
- OBJECT FREE AREA
- BUILDING RESTRICTION LINE
- RUNWAY VISIBILITY LINE
- RUNWAY PROTECTION ZONE
- FAR PART 77 SURFACE
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- EXISTING BUILDING
- PROPOSED BUILDING
- PROPOSED AIRPORT PROPERTY
- RESERVED FOR FUTURE AVIATION DEVELOPMENT
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING WETLANDS
- 9 — BUILDING NUMBERS NOT SHOWN FOR CLARITY REFER TO TERMINAL AREA PLAN
- 12 014B-1 — MAP/LOT NUMBER

N 18.3°W MAG. DEV.

2018_02_06 NOAA MODEL WMM2015

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Issued	By	Appd.	YY.MM.DD

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Client/Project
DEXTER REGIONAL AIRPORT

AIRPORT LAYOUT PLAN UPDATE

DEXTER, MAINE

Title
ULTIMATE AIRPORT LAYOUT PLAN

Project No.	Scale	
195210879	AS NOTED	
Drawing No.	Sheet	Revision
4	4 of 10	0

ORIGINAL SHEET - ARCH D

FACILITIES TABLE

EXISTING			PROPOSED		
NO.	DESCRIPTION	TOP ELEVATION (MSL)	NO.	DESCRIPTION	TOP ELEVATION (MSL)
1	Terminal Building	537	P1	Hangar	557
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6	Hangar	544	P5	Hangar	551
7	Hangar	546	P6	Hangar	550
8	Hangar	543	P7	Hangar	548
9	Hangar	537	P8	Hangar	547
10	Hangar	544	P9	Hangar	546
11	Hangar	541	P10	Hangar	547
12	Hangar	543	P11	Hangar	547
13	Hangar	548	P12	Hangar	540
14	Hangar	545	P13	Hangar	544
15	Hangar	543	P14	Hangar	552
16	Hangar	547	P15	Hangar	552
17	Hangar	546	P16	Hangar	552
18	Hangar	543	P17	Hangar	552
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Longitude	69° 14' 14.77" W	69° 14' 14.77" W
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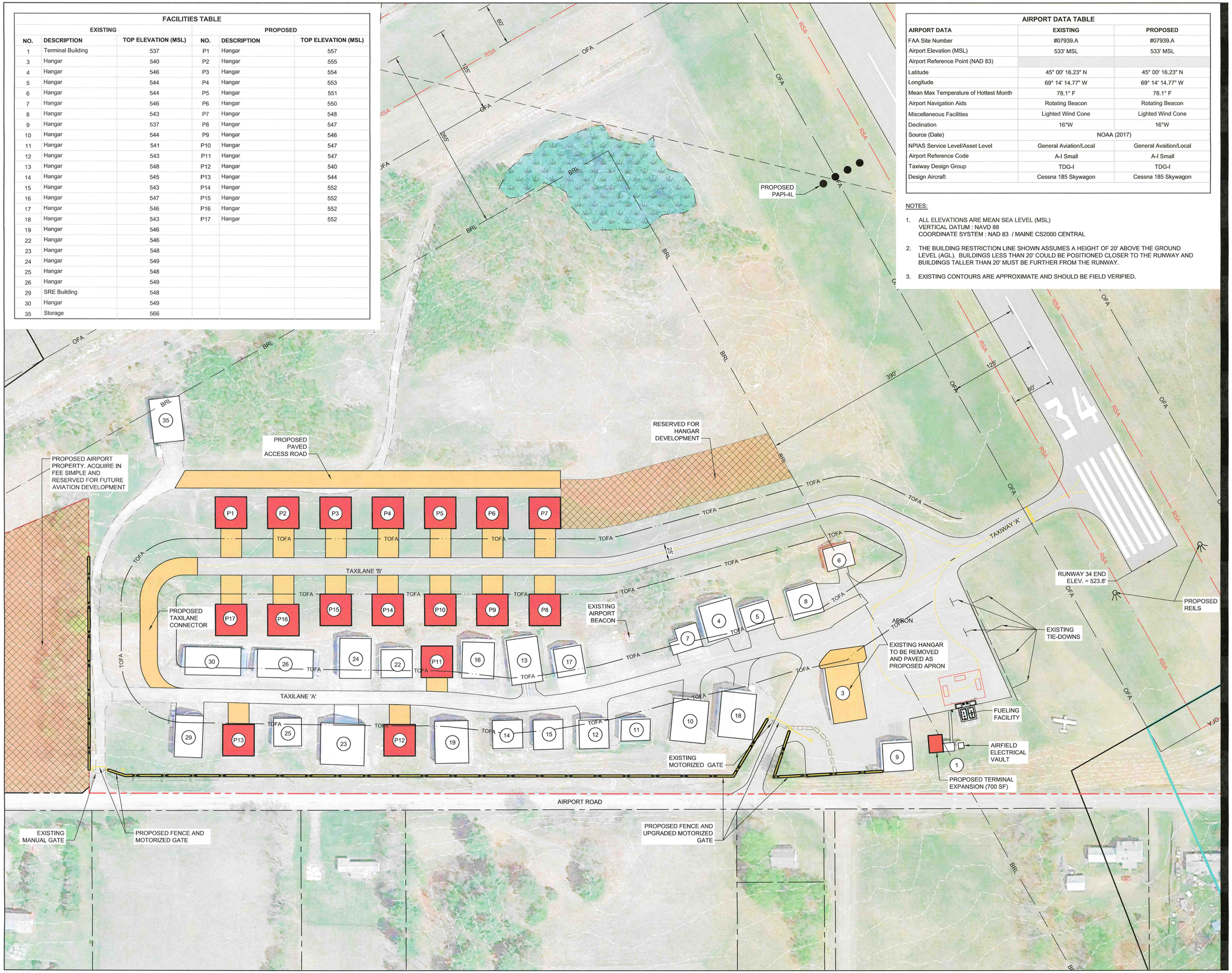
Airport Navigation Aids	Rotating Beacon	Rotating Beacon
Miscellaneous Facilities	Lighted Wind Cone	Lighted Wind Cone
Declination	16°W	16°W
Source (Date)	NOAA (2017)	
NPIAS Service Level/Asset Level	General Aviation/Local	General Avaition/Local
Airport Reference Code	A-I Small	A-I Small
Taxiway Design Group	TDG-I	TDG-I
Design Aircraft	Cessna 185 Skywagon	Cessna 185 Skywagon

NOTES:

1. ALL ELEVATIONS ARE MEAN SEA LEVEL (MSL)
   VERTICAL DATUM : NAVD 88
   COORDINATE SYSTEM : NAD 83 / MAINE CS2000 CENTRAL
2. THE BUILDING RESTRICTION LINE SHOWN ASSUMES A HEIGHT OF 20' ABOVE THE GROUND LEVEL (AGL). BUILDINGS LESS THAN 20' COULD BE POSITIONED CLOSER TO THE RUNWAY AND BUILDINGS TALLER THAN 20' MUST BE FURTHER FROM THE RUNWAY.
3. EXISTING CONTOURS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.



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LEGEND

- AIRPORT PROPERTY LINE
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- RESERVED FOR FUTURE AVIATION DEVELOPMENT
- EXISTING WETLANDS
- BUILDING NUMBER

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name: sht_05_terminal_area_pln.dwg	LRK	ECD	KLH	18.04.17
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Client/Project
DEXTER REGIONAL AIRPORT

AIRPORT LAYOUT PLAN UPDATE

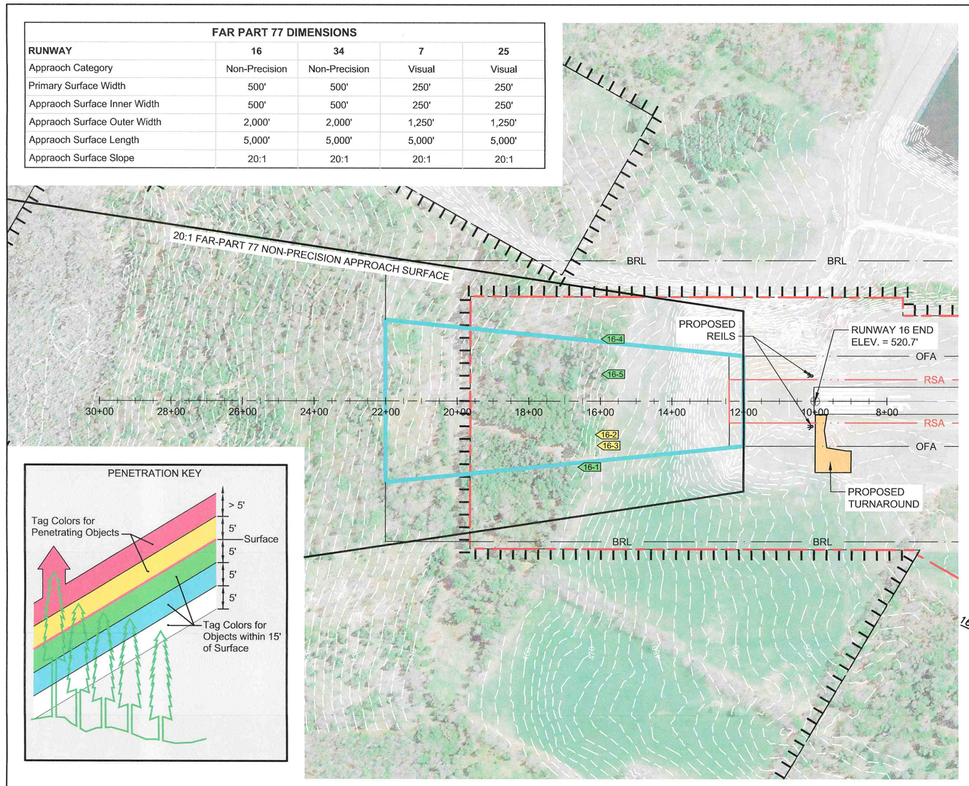
DEXTER, MAINE

Title
TERMINAL AREA PLAN

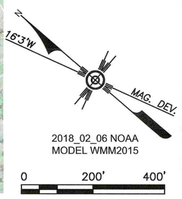
Project No.	Scale	
195210879	AS NOTED	
Drawing No.	Sheet	Revision
5	5 of 10	0

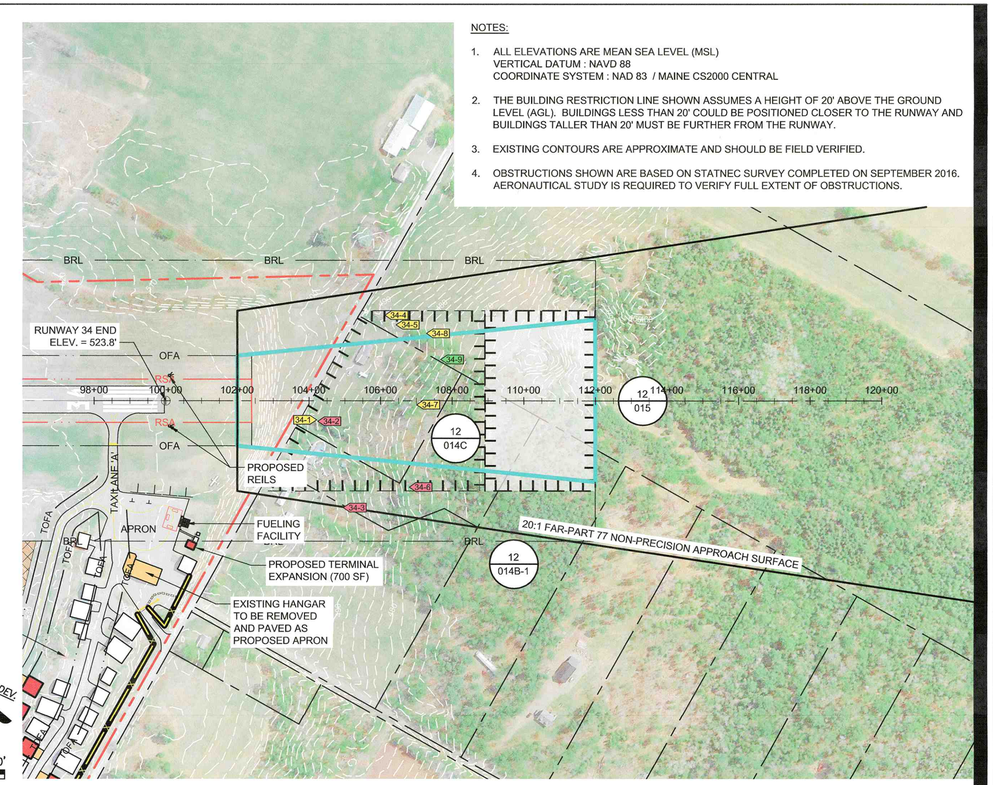
ORIGINAL SHEET - ARCH D

FAR PART 77 DIMENSIONS				
RUNWAY	16	34	7	25
Appraoch Category	Non-Precision	Non-Precision	Visual	Visual
Primary Surface Width	500'	500'	250'	250'
Appraoch Surface Inner Width	500'	500'	250'	250'
Appraoch Surface Outer Width	2,000'	2,000'	1,250'	1,250'
Appraoch Surface Length	5,000'	5,000'	5,000'	5,000'
Appraoch Surface Slope	20:1	20:1	20:1	20:1



RUNWAY 16





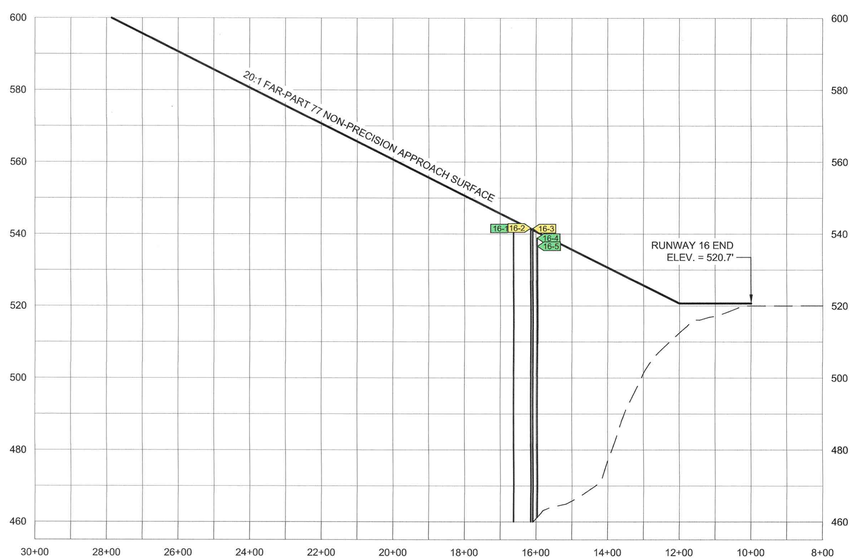
RUNWAY 34

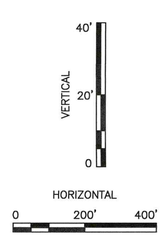
NOTES:

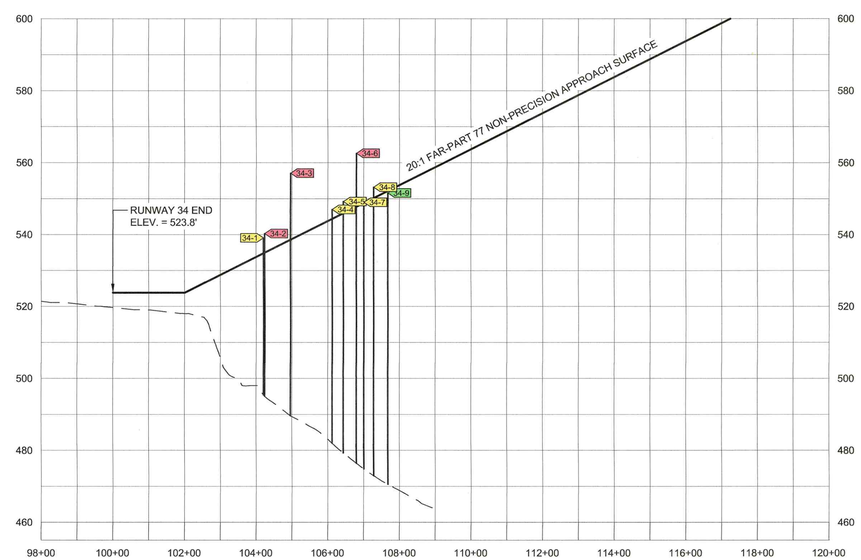
1. ALL ELEVATIONS ARE MEAN SEA LEVEL (MSL)
   VERTICAL DATUM : NAVD 88
   COORDINATE SYSTEM : NAD 83 / MAINE CS2000 CENTRAL
2. THE BUILDING RESTRICTION LINE SHOWN ASSUMES A HEIGHT OF 20' ABOVE THE GROUND LEVEL (AGL). BUILDINGS LESS THAN 20' COULD BE POSITIONED CLOSER TO THE RUNWAY AND BUILDINGS TALLER THAN 20' MUST BE FURTHER FROM THE RUNWAY.
3. EXISTING CONTOURS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.
4. OBSTRUCTIONS SHOWN ARE BASED ON STATNEC SURVEY COMPLETED ON SEPTEMBER 2016. AERONAUTICAL STUDY IS REQUIRED TO VERIFY FULL EXTENT OF OBSTRUCTIONS.

RUNWAY 16 OBSTRUCTION TABLE			
NO	DESCRIPTION	TOP ELEV. (FT)	PENETRATION (FT)
16-1	PINE TREE TOP	541.6	-2
16-2	POPLAR TREE TOP	541.7	0
16-3	SPRUCE TREE TOP	541.5	0
16-4	ASH TREE TOP	538.9	-2
16-5	FIR TREE TOP	536.6	-4

RUNWAY 32 OBSTRUCTION TABLE			
NO	DESCRIPTION	TOP ELEV. (FT)	PENETRATION (FT)
34-1	FIR TREE TOP	539.1	4
34-2	FIR TREE TOP	540.3	5
34-3	ASH TREE TOP	557.1	18
34-4	ASH TREE TOP	547.0	3
34-5	ASH TREE TOP	549.2	3
34-6	POPLAR TREE TOP	562.6	15
34-7	POPLAR TREE TOP	549.0	0
34-8	MAPLE TREE TOP	553.2	3
34-9	POPLAR TREE TOP	551.6	-1







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LEGEND

- AIRPORT PROPERTY LINE
- EXISTING CONTOUR
- EXISTING FENCE
- PROPOSED FENCE
- RUNWAY SAFETY AREA
- OBJECT FREE AREA
- BUILDING RESTRICTION LINE
- RUNWAY VISIBILITY LINE
- RUNWAY PROTECTION ZONE
- FAR PART 77 SURFACE
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- EXISTING BUILDING
- PROPOSED BUILDING
- PROPOSED AIRPORT PROPERTY
- RESERVED FOR FUTURE AVIATION DEVELOPMENT
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING WETLANDS
- 9 — BUILDING NUMBERS NOT SHOWN FOR CLARITY REFER TO TERMINAL AREA PLAN
- 12 / 014B-1 — MAP/LOT NUMBER

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name: shl_06_rw16-34_pln_n_profile.dwg	LRK	ECD	KLH	18.04.17
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Client/Project
DEXTER REGIONAL AIRPORT

AIRPORT LAYOUT PLAN UPDATE

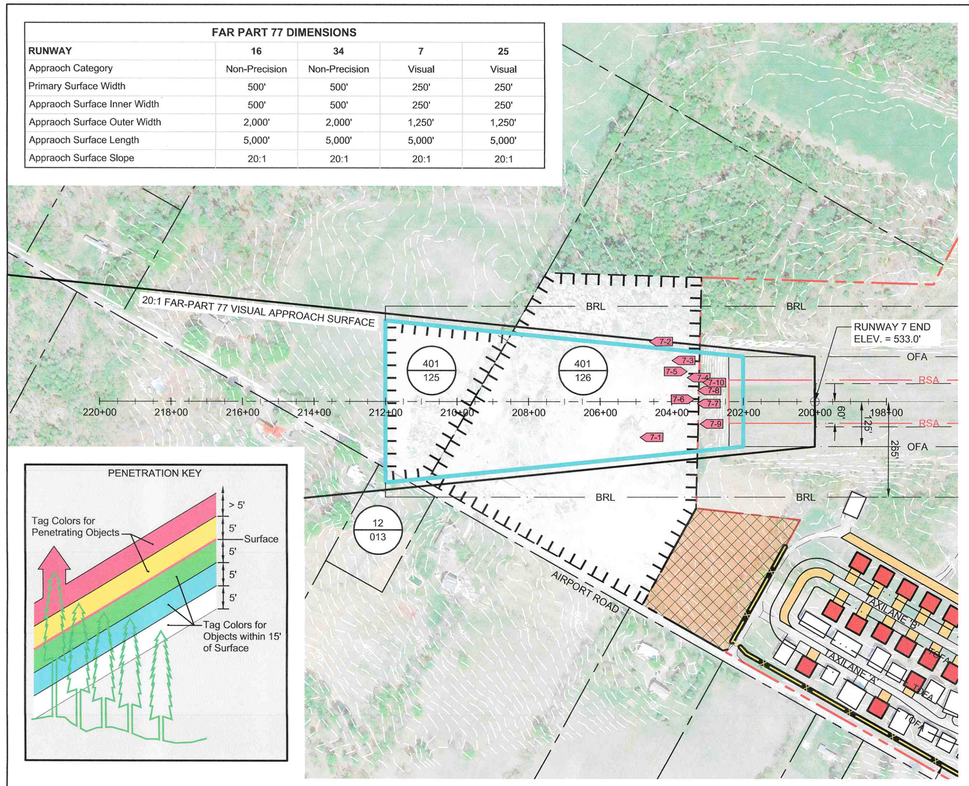
DEXTER, MAINE

Title
RUNWAY 16-34
PLAN AND PROFILE

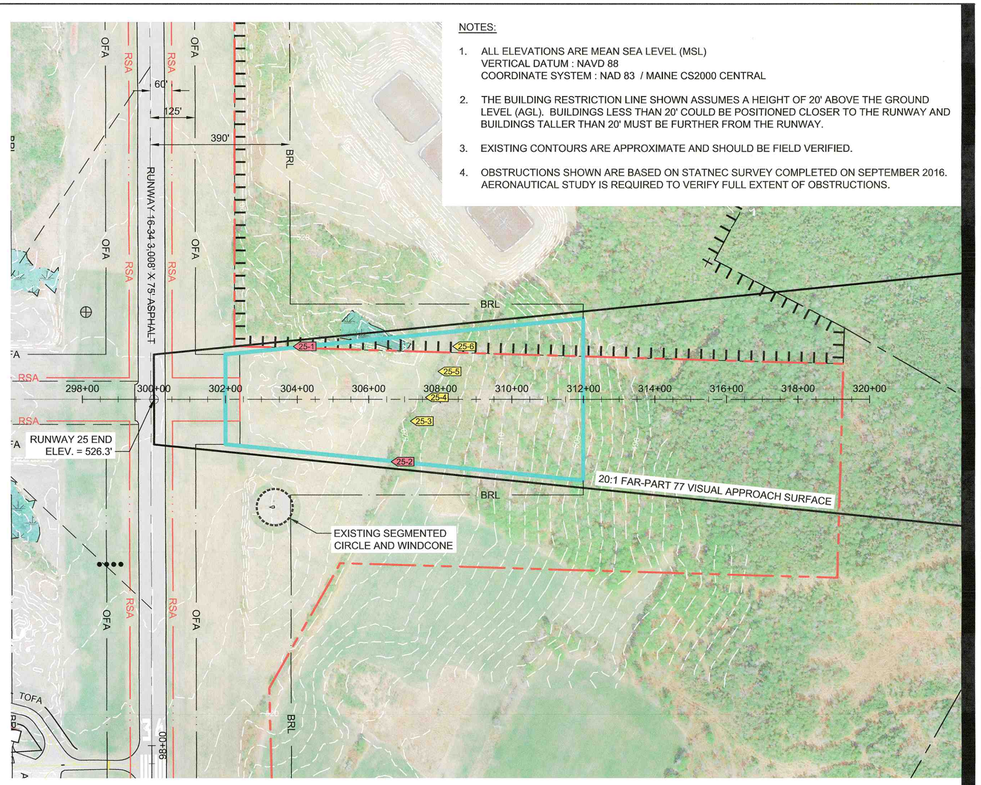
Project No.	Scale	
195210879	AS NOTED	
Drawing No.	Sheet	Revision
6	6 of 10	0

ORIGINAL SHEET - ARCH D

FAR PART 77 DIMENSIONS				
RUNWAY	16	34	7	25
Appraoch Category	Non-Precision	Non-Precision	Visual	Visual
Primary Surface Width	500'	500'	250'	250'
Appraoch Surface Inner Width	500'	500'	250'	250'
Appraoch Surface Outer Width	2,000'	2,000'	1,250'	1,250'
Appraoch Surface Length	5,000'	5,000'	5,000'	5,000'
Appraoch Surface Slope	20:1	20:1	20:1	20:1



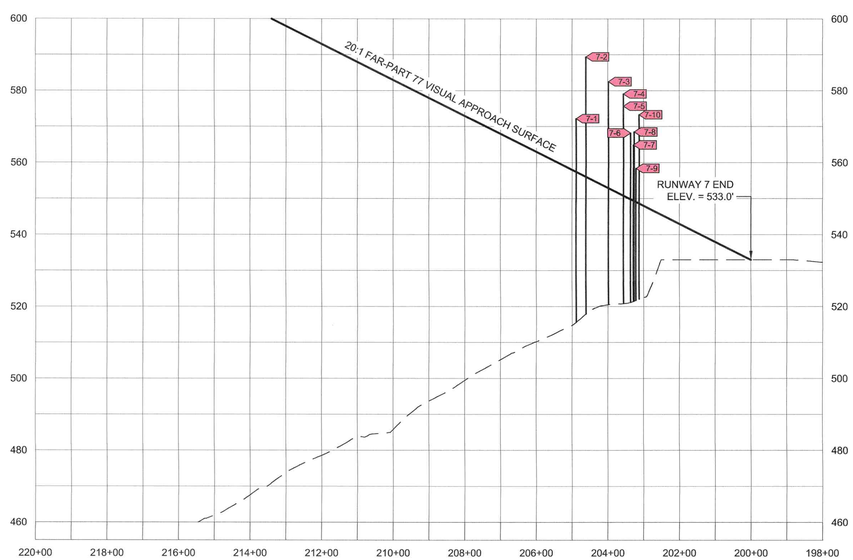
RUNWAY 7

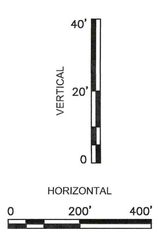


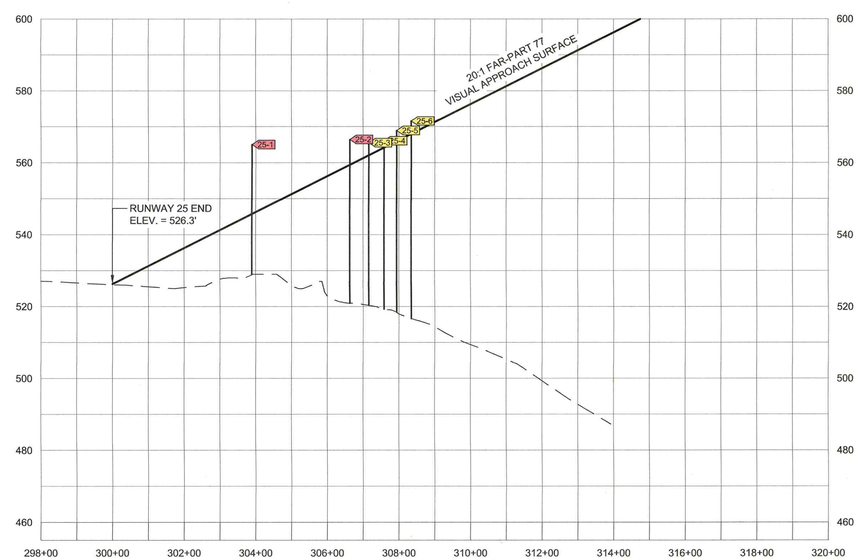
RUNWAY 25

RUNWAY 7 OBSTRUCTION TABLE			
NO	DESCRIPTION	TOP ELEV. (FT)	PENETRATION (FT)
7-1	POPLAR TREE TOP	572.2	15
7-2	POPLAR TREE TOP	589.4	33
7-3	POPLAR TREE TOP	582.5	30
7-4	POPLAR TREE TOP	579.1	28
7-5	ASH TREE TOP	575.7	25
7-6	POPLAR TREE TOP	568.2	18
7-7	ASH TREE TOP	564.9	16
7-8	POPLAR TREE TOP	568.5	19
7-9	ASH TREE TOP	558.4	9
7-10	POPLAR TREE TOP	573.3	25

RUNWAY 25 OBSTRUCTION TABLE			
NO	DESCRIPTION	TOP ELEV. (FT)	PENETRATION (FT)
25-1	POPLAR TREE TOP	565.0	19
25-2	POPLAR TREE TOP	566.4	7
25-3	POPLAR TREE TOP	565.5	3
25-4	POPLAR TREE TOP	566.1	2
25-5	POPLAR TREE TOP	568.9	3
25-6	POPLAR TREE TOP	571.6	4







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LEGEND

- AIRPORT PROPERTY LINE
- EXISTING CONTOUR
- EXISTING FENCE
- PROPOSED FENCE
- RUNWAY SAFETY AREA
- OBJECT FREE AREA
- BUILDING RESTRICTION LINE
- RUNWAY VISIBILITY LINE
- RUNWAY PROTECTION ZONE
- FAR PART 77 SURFACE
- EXISTING PAVEMENT
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- PROPOSED AIRPORT PROPERTY
- RESERVED FOR FUTURE AVIATION DEVELOPMENT
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING WETLANDS
- 9 — BUILDING NUMBERS NOT SHOWN FOR CLARITY REFER TO TERMINAL AREA PLAN
- 12 / 014B-1 — MAP/LOT NUMBER

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name: shd_07_rw7-25_pln_n_profile.dwg	LRK	ECD	KLH	18.04.17
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Client/Project
DEXTER REGIONAL AIRPORT

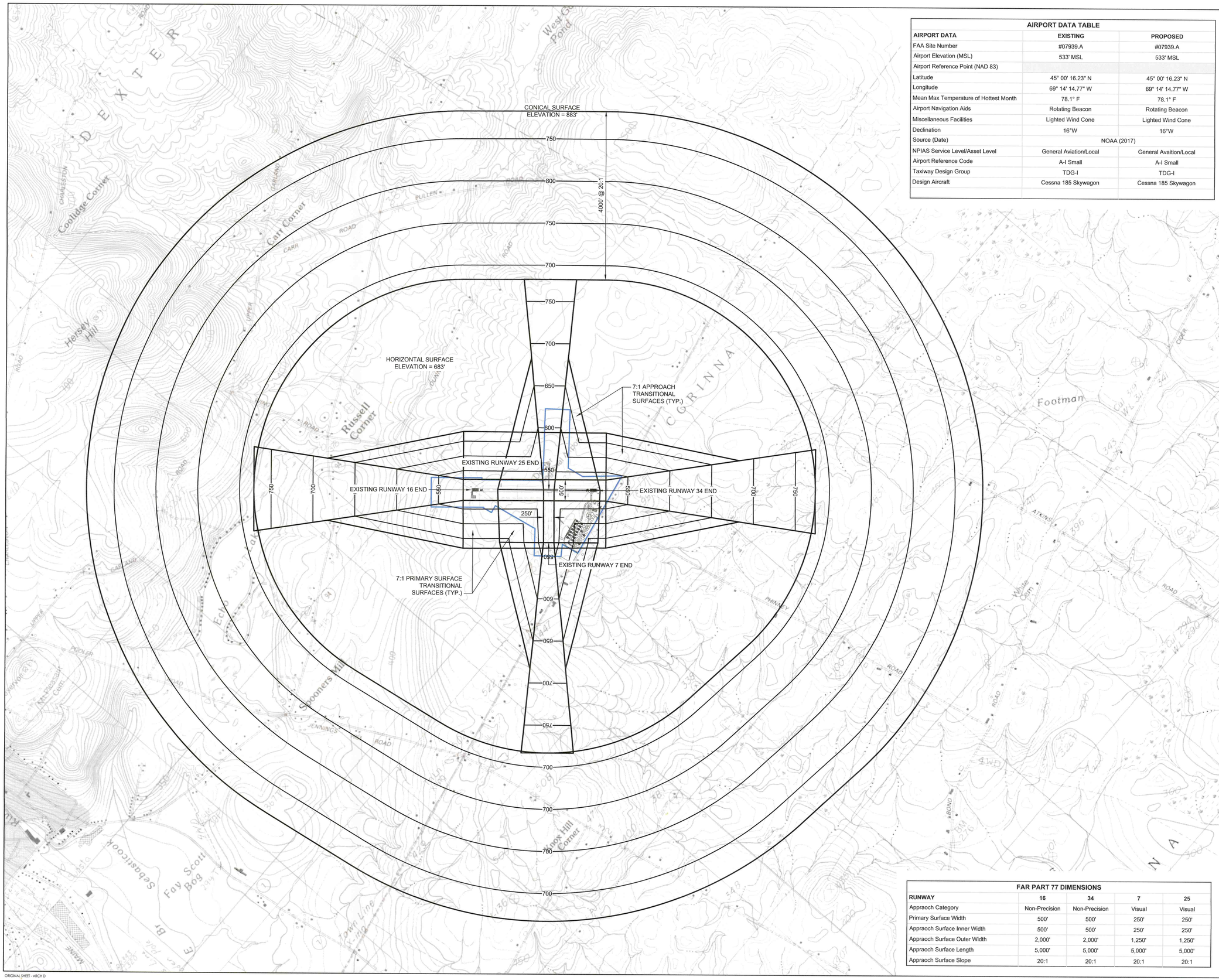
AIRPORT LAYOUT PLAN UPDATE

DEXTER, MAINE

Title
RUNWAY 7-25
PLAN AND PROFILE

Project No.	Scale	
195210879	AS NOTED	
Drawing No.	Sheet	Revision
7	7 of 10	0

ORIGINAL SHEET - ARCH D



AIRPORT DATA TABLE

AIRPORT DATA	EXISTING	PROPOSED
FAA Site Number	#07939.A	#07939.A
Airport Elevation (MSL)	533' MSL	533' MSL
Airport Reference Point (NAD 83)		
Latitude	45° 00' 16.23" N	45° 00' 16.23" N
Longitude	69° 14' 14.77" W	69° 14' 14.77" W
Mean Max Temperature of Hottest Month	78.1° F	78.1° F
Airport Navigation Aids	Rotating Beacon	Rotating Beacon
Miscellaneous Facilities	Lighted Wind Cone	Lighted Wind Cone
Declination	16°W	16°W
Source (Date)	NOAA (2017)	
NPIAS Service Level/Asset Level	General Aviation/Local	General Avaition/Local
Airport Reference Code	A-I Small	A-I Small
Taxiway Design Group	TDG-I	TDG-I
Design Aircraft	Cessna 185 Skywagon	Cessna 185 Skywagon

FAR PART 77 DIMENSIONS

RUNWAY	16	34	7	25
Appraoch Category	Non-Precision	Non-Precision	Visual	Visual
Primary Surface Width	500'	500'	250'	250'
Appraoch Surface Inner Width	500'	500'	250'	250'
Appraoch Surface Outer Width	2,000'	2,000'	1,250'	1,250'
Appraoch Surface Length	5,000'	5,000'	5,000'	5,000'
Appraoch Surface Slope	20:1	20:1	20:1	20:1

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LEGEND

- AIRPORT PROPERTY LINE
- FAR PART 77 SURFACE
- 750 — FAR PART 77 SURFACE 50' CONTOUR

NOTE:

ALL ELEVATIONS ARE MEAN SEA LEVEL (MSL)
VERTICAL DATUM : NAVD 88
COORDINATE SYSTEM : NAD 83 / MAINE CS2000 CENTRAL

16°3'W
MAG. DEV.

2018_02_06 NOAA MODEL WMM2015

0 1000' 2000'

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name: sht_08_fp77_airspace_pln.dwg	LRK	ECD	KLH	18.04.17
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Client/Project
DEXTER REGIONAL AIRPORT

AIRPORT LAYOUT PLAN UPDATE

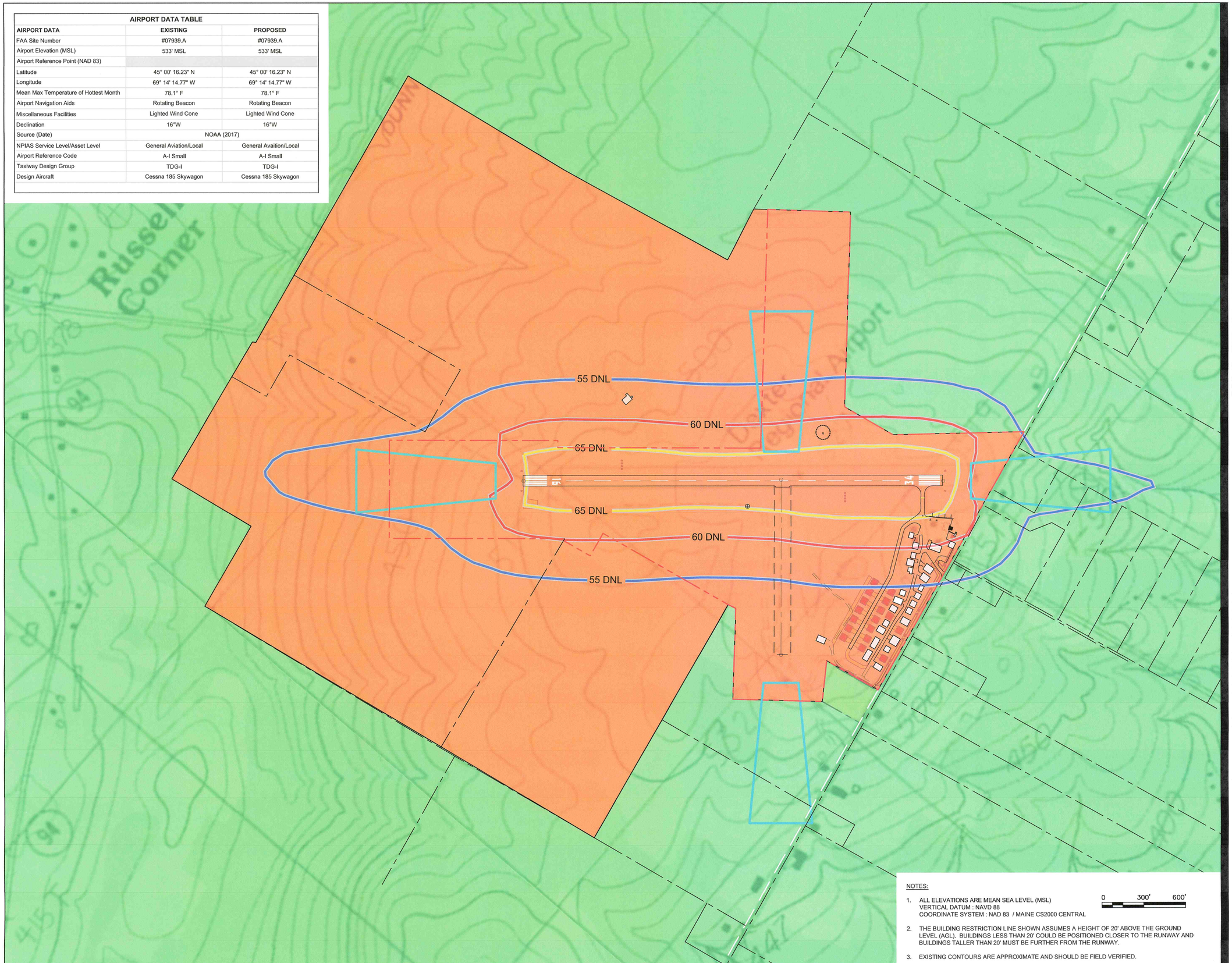
DEXTER, MAINE

Title
FAR PART 77
IMAGINARY SURFACES PLAN

Project No. 195210879
Scale AS NOTED
Drawing No. 8
Sheet 8 of 10
Revision 0

ORIGINAL SHEET - ARCH D

AIRPORT DATA TABLE		
AIRPORT DATA	**EXISTING**	**PROPOSED**
FAA Site Number	#07939.A	#07939.A
Airport Elevation (MSL)	533' MSL	533' MSL
Airport Reference Point (NAD 83)		
Latitude	45° 00' 16.23" N	45° 00' 16.23" N
Longitude	69° 14' 14.77" W	69° 14' 14.77" W
Mean Max Temperature of Hottest Month	78.1° F	78.1° F
Airport Navigation Aids	Rotating Beacon	Rotating Beacon
Miscellaneous Facilities	Lighted Wind Cone	Lighted Wind Cone
Declination	16°W	16°W
Source (Date)	NOAA (2017)	
NPIAS Service Level/Asset Level	General Aviation/Local	General Avaition/Local
Airport Reference Code	A-I Small	A-I Small
Taxiway Design Group	TDG-I	TDG-I
Design Aircraft	Cessna 185 Skywagon	Cessna 185 Skywagon



NOTES:

1. ALL ELEVATIONS ARE MEAN SEA LEVEL (MSL)
   VERTICAL DATUM : NAVD 88
   COORDINATE SYSTEM : NAD 83 / MAINE CS2000 CENTRAL
2. THE BUILDING RESTRICTION LINE SHOWN ASSUMES A HEIGHT OF 20' ABOVE THE GROUND LEVEL (AGL). BUILDINGS LESS THAN 20' COULD BE POSITIONED CLOSER TO THE RUNWAY AND BUILDINGS TALLER THAN 20' MUST BE FURTHER FROM THE RUNWAY.
3. EXISTING CONTOURS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.

0 300' 600'

ORIGINAL SHEET - ARCH D

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LEGEND

- AIRPORT PROPERTY LINE
- EXISTING FENCE
- PROPOSED FENCE
- RUNWAY PROTECTION ZONE
- PROPOSED PAVEMENT
- EXISTING BUILDING
- PROPOSED BUILDING
- PROPOSED AIRPORT PROPERTY
- ZONED FOR "INDUSTRIAL"
- ZONED FOR "RURAL"
- 55 DNL CONTOUR
- 60 DNL CONTOUR
- 65 DNL CONTOUR

NOTE:

BASED ON LAND USE ORDINANCE FOR THE TOWN OF DEXTER MAINE, ADOPTED NOVEMBER 2, 1999, AND LAND USE ORDINANCE FOR THE TOWN OF CORINNA MAINE, ADOPTED APRIL, 2000.

16°3'W
MAG. DEV.
2018_02_06 NOAA MODEL WMM2015

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name: sht_09_landuse_pln.dwg	LRK	ECD	KLH	18.04.17
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

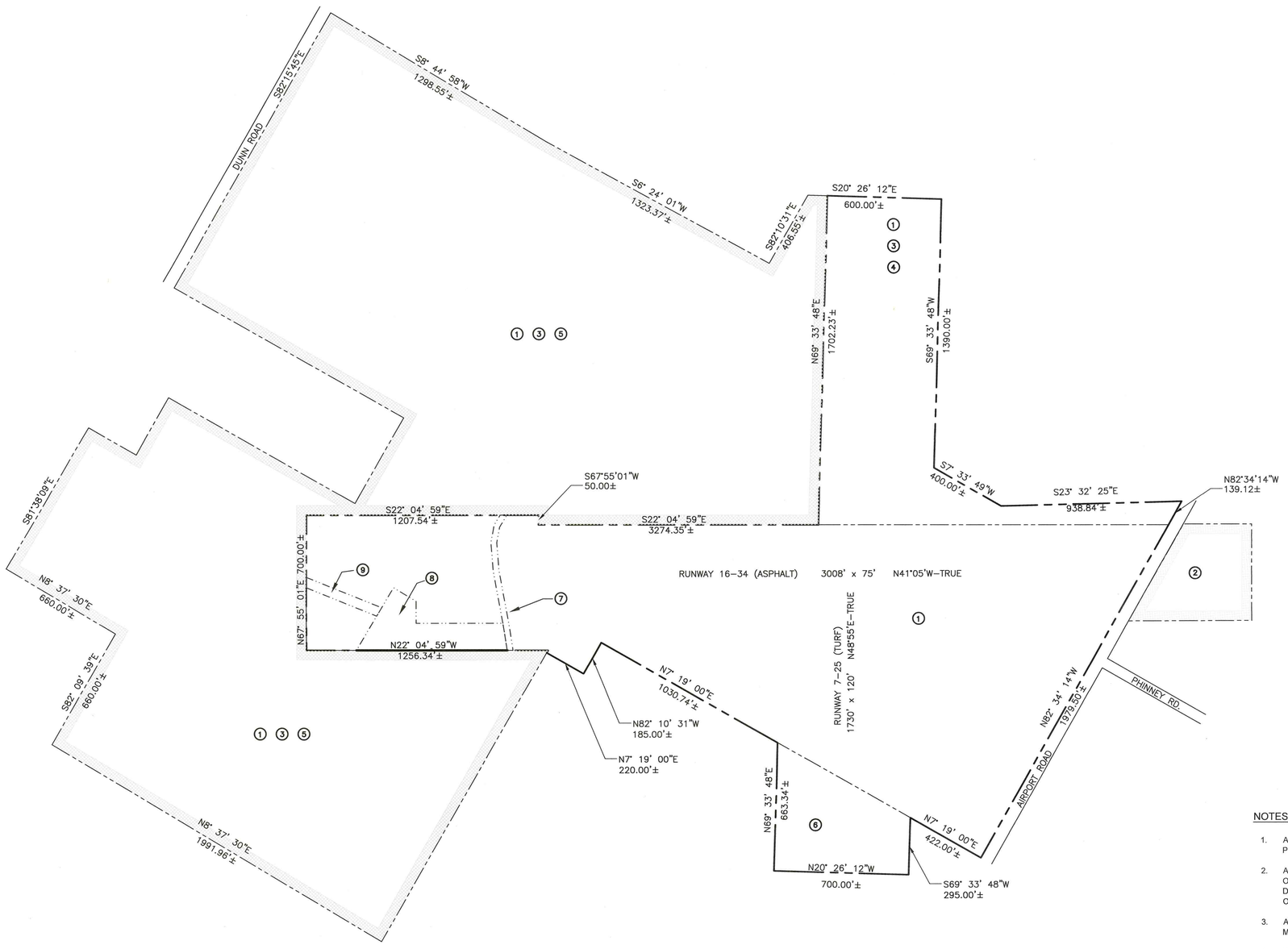
Client/Project
DEXTER REGIONAL AIRPORT

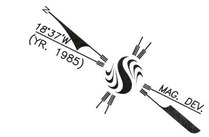
AIRPORT LAYOUT PLAN UPDATE

DEXTER, MAINE

Title
LAND USE PLAN

Project No.	Scale	
195210879	AS NOTED	
Drawing No.	**Sheet**	**Revision**
9	9 of 10	0





0 300' 600'
SCALE: 1"=300'

NOTES:

1. ALL BOOK AND PAGE NUMBERS REFER TO RECORDINGS IN THE PENOBSCOT COUNTY REGISTRY OF DEEDS, BANGOR, MAINE.
2. ACREAGE AMOUNTS WERE TAKEN FROM CITED DEED IF GIVEN THEREIN: OTHERWISE THESE WERE CALCULATED FROM THE PROPERTY DESCRIPTION. ALL ACREAGES SHOULD BE CONSIDERED APPROXIMATE ONLY.
3. ALL INDICATED DISTANCE MEASUREMENTS ARE APPROXIMATE PLUS OR MINUS.
4. UNLESS OTHERWISE NOTED, ALL BEARINGS SHOWN WERE TAKEN FROM DEED DESCRIPTIONS OR PLANS PREVIOSLY PREPARED BY OTHERS AND ARE ASSUMED TO BE MAGNETIC, WITH DECLINATIONS EQUIVALENT TO THOSE THAT EXISTED ON THE DATE OF ACQUISTION.
5. NO FIELD SURVEY WAS PREFORMED TO ACQUIRE OR VERIFY ANY INFORMATION SHOWN.

PARCEL	GRANTOR	GRANTEE	INSTRUMENT	ACQUISITION DATE	BOOK & PAGE	ACREAGE	REMARKS
1	MAUDE E. LANCASTER	TOWN OF DEXTER	FEE	MAY 10, 1941	1162 / 463	10	ORIGINAL LAND TRANSFER
	CHARLES S. FROST	TOWN OF DEXTER	FEE	MAY 20, 1941	1165 / 320	88	ORIGINAL LAND TRANSFER
	SARAH F. MARTIN	TOWN OF DEXTER	FEE	MAY 22, 1941	1165 / 326	85	ORIGINAL LAND TRANSFER
	STANLEY S. MARTIN	TOWN OF DEXTER	FEE	MAY 22, 1941	1165 / 327	100.15	ORIGINAL LAND TRANSFER
	ALTON F. PUFFER	TOWN OF DEXTER	FEE	MAY 23, 1941	1162 / 464	27.85	ORIGINAL LAND TRANSFER
2	DORIS HATCH	TOWN OF DEXTER	EASEMENT	JULY 29, 1964	1961 / 201	5.71	AVIGATION EASEMENT, FAA PROJECT NO. 9–17–030–C501
3	TOWN OF DEXTER	DEXTER UTILITY DISTRICT	FEE	OCT 21, 1985	3743 / 130	208	PROPERTY TRANSFER, GRANT OBLIGATIONS EXPIRED PRIOR TO TRANSFER
4	DEXTER UTILITY DISTRICT	TOWN OF DEXTER	FEE	MARCH 28, 1988	4203 / 087	26.28	PROPERTY TRANSFER
5	DEXTER UTILITY DISTRICT	TOWN OF DEXTER	EASEMENT	JULY 28, 1988	4306 / 102	181.72	AVIGATION EASEMENT
6	TOWN OF DEXTER	TOWN OF DEXTER	FEE	NONE	NONE	7.7	PROPERTY TRANSFER NOT RECORDED
7	TOWN OF DEXTER	DEXTER UTILITY DISTRICT	EASEMENT	JAN. 8, 2009	11690 / 290	0.49	SEWER PIPELINE EASEMENT
8	TOWN OF DEXTER	DEXTER UTILITY DISTRICT	EASEMENT	JAN. 8, 2009	11690 / 287	2.98	SPRAY AREA EASEMENT
9	TOWN OF DEXTER	DEXTER UTILITY DISTRICT	EASEMENT	JAN. 8, 2009	11690 / 294	0.47	ACCESS EASEMENT

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Consultants

Legend

- AIRPORT PROPERTY LINE
- PARCEL BOUNDARY LINE
- RPZ — RUNWAY PROTECTION ZONE
- UTILITY EASEMENT
- AVIGATION & HAZARD EASEMENT
- (1) PARCEL REFERENCE NUMBER
- BRL — BUILDING RESTRICTION LINE

Notes

Revision	By	Appd.	YY.MM.DD
ADD DEED INFO. UTILITY EASEMENTS	MJG	WAG	10.07.19
REVISED PROP. UTILITY EASEMENTS 7, 8, 9	MJG	WAG	09.01.19

Issued	By	Appd.	YY.MM.DD
File Name: Dexter Exhibit A July 2010.dwg	CJB	WAG	CJB	08.11.25
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

NOT FOR RECORDING PURPOSES

Client/Project
DEXTER REGIONAL AIRPORT

DEXTER, MAINE

Title
EXHIBIT "A" MAP

Project No. 195210321
Scale AS NOTED
Drawing No. 1
Sheet 1 of 1
Revision 0

Federal Aviation Administration

January 31, 2019

TO:
Town of Dexter
Attn: Trampas King
23 Main Street
Dexter, ME 04930
manager@dextermaine.org

CC:
TOWN OF DEXTER
TOWN OFFICE BLDG
23 MAIN
DEXTER, ME 04930
manager@dextermaine.org

RE: *(See attached Table 1 for referenced case(s))*
ALP 7460 No Objection Letter
FINAL DETERMINATION

Table 1 - Letter Referenced Case(s)

ASN	Prior ASN	Location	Latitude (NAD83)	Longitude (NAD83)	AGL (Feet)	AMSL (Feet)
2018-ANE-1853-NRA		DEXTER,ME	45-00-16.22N	69-14-14.78W	1	534

Description: Airport layout plan update

The proposed change to your currently approved Airport Layout Plan (ALP) submitted, 2018-10-19 00:00:00.0 has been reviewed under the authority of Part 77 and under the requirements of the Terms and Conditions of Accepting Airport Improvement Program Grants dated September 1, 1999. This review has considered the safety and utility of aircraft operations and planned navigational aids as related to this proposal.

The proposal does not exceed any federal obstruction standard, however the following conditions need to be met for the Federal Aviation Administration (FAA) to have no objections to the proposed development. Airport Layout Plans (ALPs) are long term planning initiatives and limited in scope, therefore conceptual in nature. ALP approval does not constitute blanket approval of new structures given the absence of detailed structure information required for comprehensive review.

All new structures require separate aeronautical study submissions with detailed building plans for independent study. Ensure appropriate Notice of Construction/Alteration, FAA 7460-1, is filed for review of all permanent and temporary structures.

VISAIDS: 1. Provide Runway Data Table with information for existing and future visaids, among other relevant runway data. 2. Change "Runway 27 End" to read "RWY 25 End" on the ALP drawing. 3. Proposed RWY 16-34 PAPIs a) Coordination will be required with the FAA ATO Planning & Requirements (P&R) Group if any of the proposed PAPIs will be owned or maintained by the FAA. b) Coordination will be required with the PAPI owner and the FAA National Flight Data Center (NFDC) to complete a VGSI Data Form for the proposed PAPIs. c) No object shall penetrate the Obstacle Clearance Surface (OCS) for the proposed PAPIs. d) Coordination will be required with the FAA Flight Inspection Services to flight check the proposed PAPIs. 4. Proposed RWY 16-34 REILs a) Coordination will be required with the FAA ATO P&R Group if any of the proposed REILs will be owned or maintained by the FAA. b) No object shall restrict the line of

sight to the REILs from approaching aircraft. c) Coordination will be required with the FAA Flight Inspection Services to flight check the proposed REILs along with the proposed PAPIs. 5. Coordinate with the airport operator to ensure that any proposed structures will not restrict the line of sight to the proposed airfield visaids from any controlling point. Flight Services Coordination: For AVN flight inspection, POC is Georgia Hines, Flight Inspection Services, 405-954-8545 FAA ATO Planning & Requirements (P&R) POC is Tim Wheeler, 404-305-7307

It should be noted that this study did not consider the height of construction equipment. This information needs to be coordinated with this office via an "Airspace Study Checklist" before construction begins.

This study did not evaluate the plans for operational safety during construction. Those plans should be submitted to this office for coordination and review prior to construction.

This determination does not include any environmental analysis or environmental approval for this proposal. All local and state requirements and/or permits must be obtained to prior to construction of this proposal.

This determination does not include approval of any lease, does not release any surplus or grant agreement acquired airport property, nor does it relieve the airport owner or the proponent of compliance with Part 155, or any other law, ordinance, or regulation of federal, state, or local government body or organization. Furthermore, the design and location of any stormwater retention/detention facilities on or near the airport must comply with FAA Advisory Circular 150/5200-33 "Hazardous Wildlife Attractants on or Near Airports", and must be approved on the ALP prior to construction.

We look forward to working with you in the continued development of your airport. If you have any questions, please contact me at (781)238-7631, michelle.ricci@faa.gov.

Michelle Ricci

Michelle Ricci
DivUser
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