

HARVEY FIELD RUNWAY IMPROVEMENT PROJECT TO MEET FAA STANDARDS

17 MARCH, 2021

Sponsor: Kandace Harvey dba Harvey Field



AGENDA



- Opening Remarks and Introductions
- Meeting Purpose
- NEPA
- Project Overview
- Informational Items
- Questions and Answers
- Closing Remarks and Feedback

- Environmental Assessment (EA)
- Environmental Impact Statement (EIS)
- EA vs. EIS Decision Points
 - At conclusion of scoping process
 - Analysis completion of the Environmental Consequences chapter
 - Before release of Draft EA
 - After comment period for Draft EA
- FAA makes final decision on NEPA level of review

PROJECT OVERVIEW

Kandace Harvey
Sponsor



Questions



THANK YOU



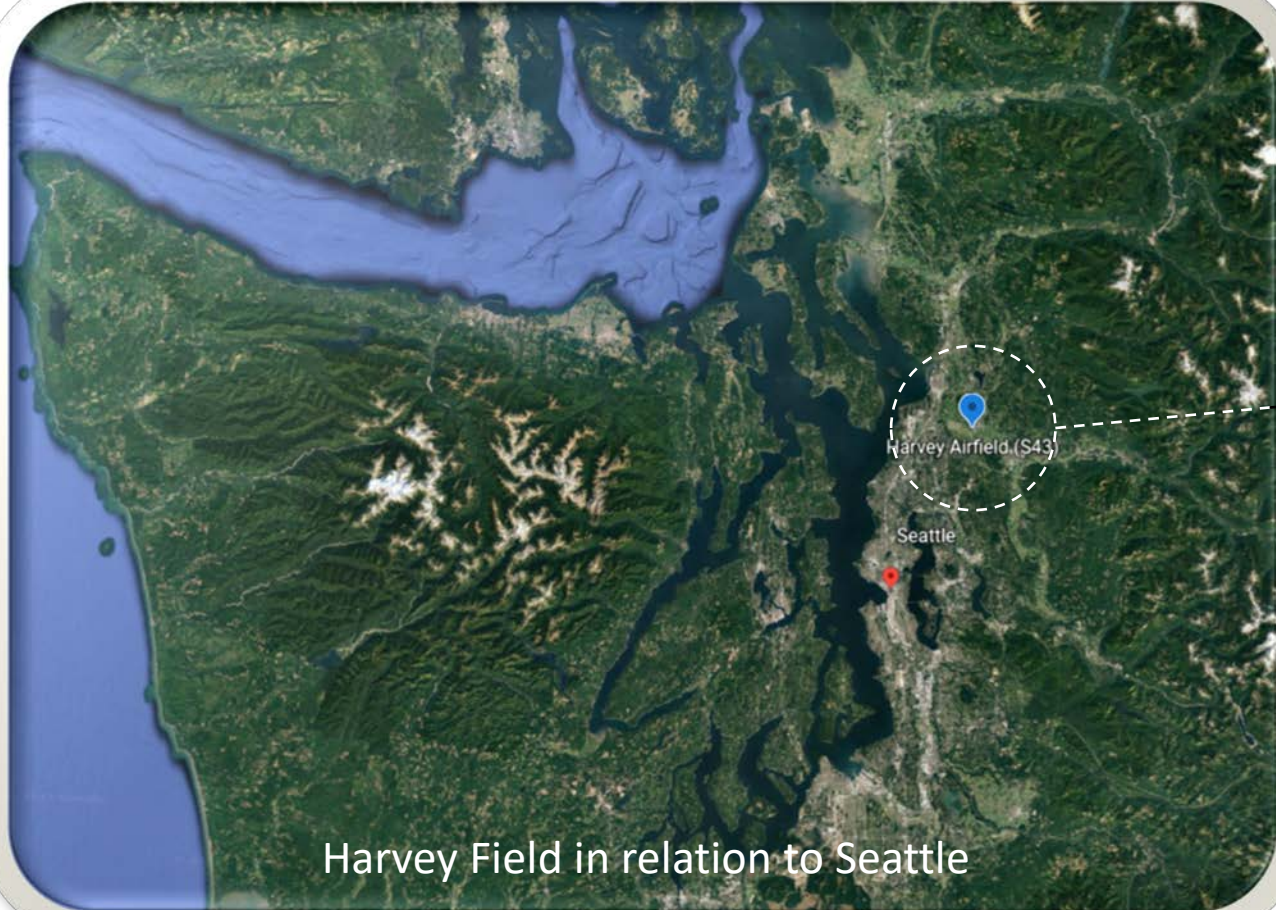
© HARVEY FIELD

PROJECT OVERVIEW

Kandace Harvey
Sponsor



REGIONAL LOCATION



Harvey Field in relation to Seattle

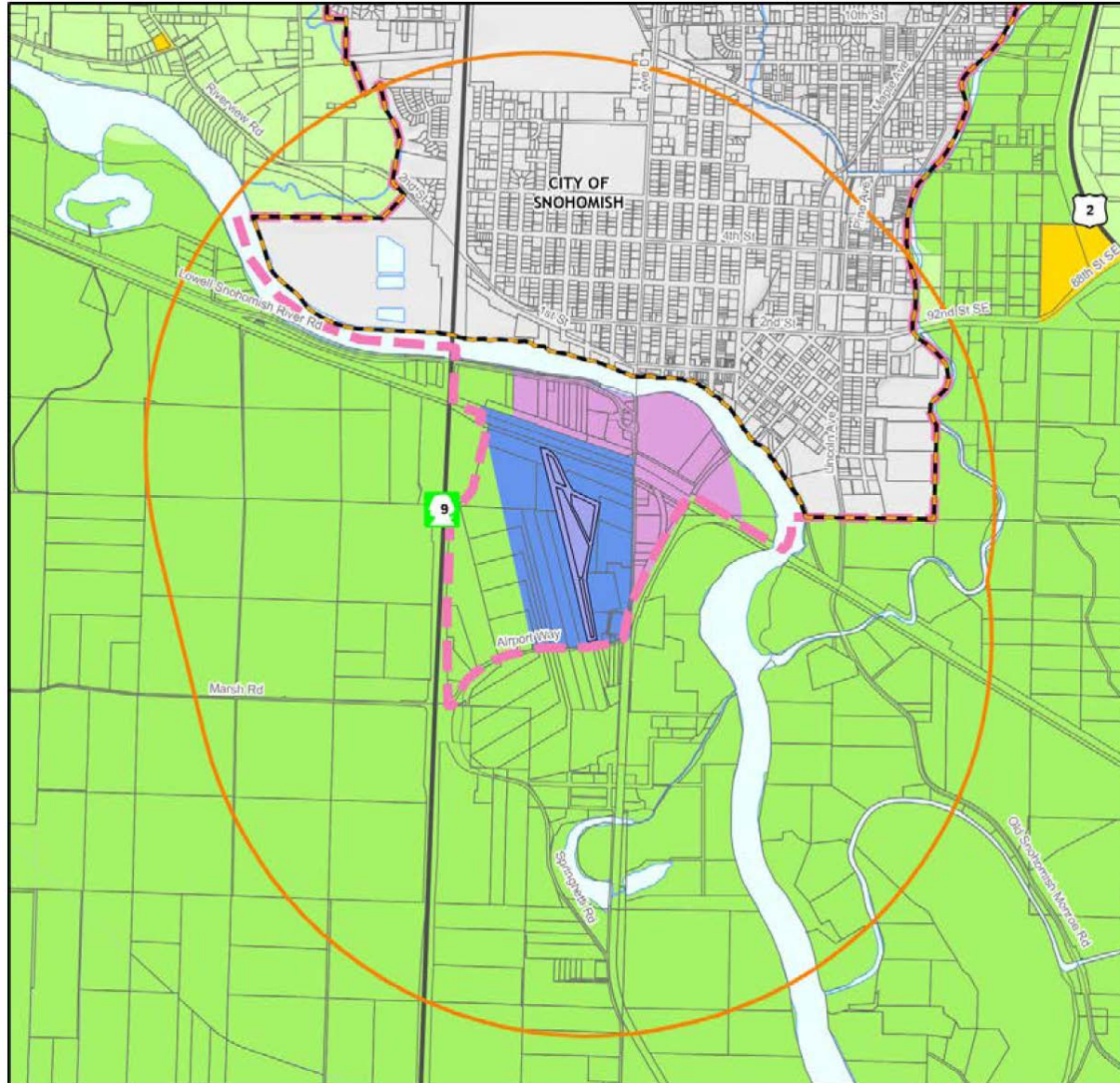


Harvey Field in relation to City of Snohomish

ZONING AND LOCATION INFORMATION

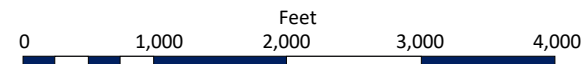


FIGURE 5-2 – SNOHOMISH COUNTY ZONING – ONE-MILE RADIUS



Zoning:

- Agriculture 10-Acre
- Industrial Park
- Light Industrial
- UGA Boundary
- 1-Mile Buffer
- Harvey Field
- Incorporated City Boundary





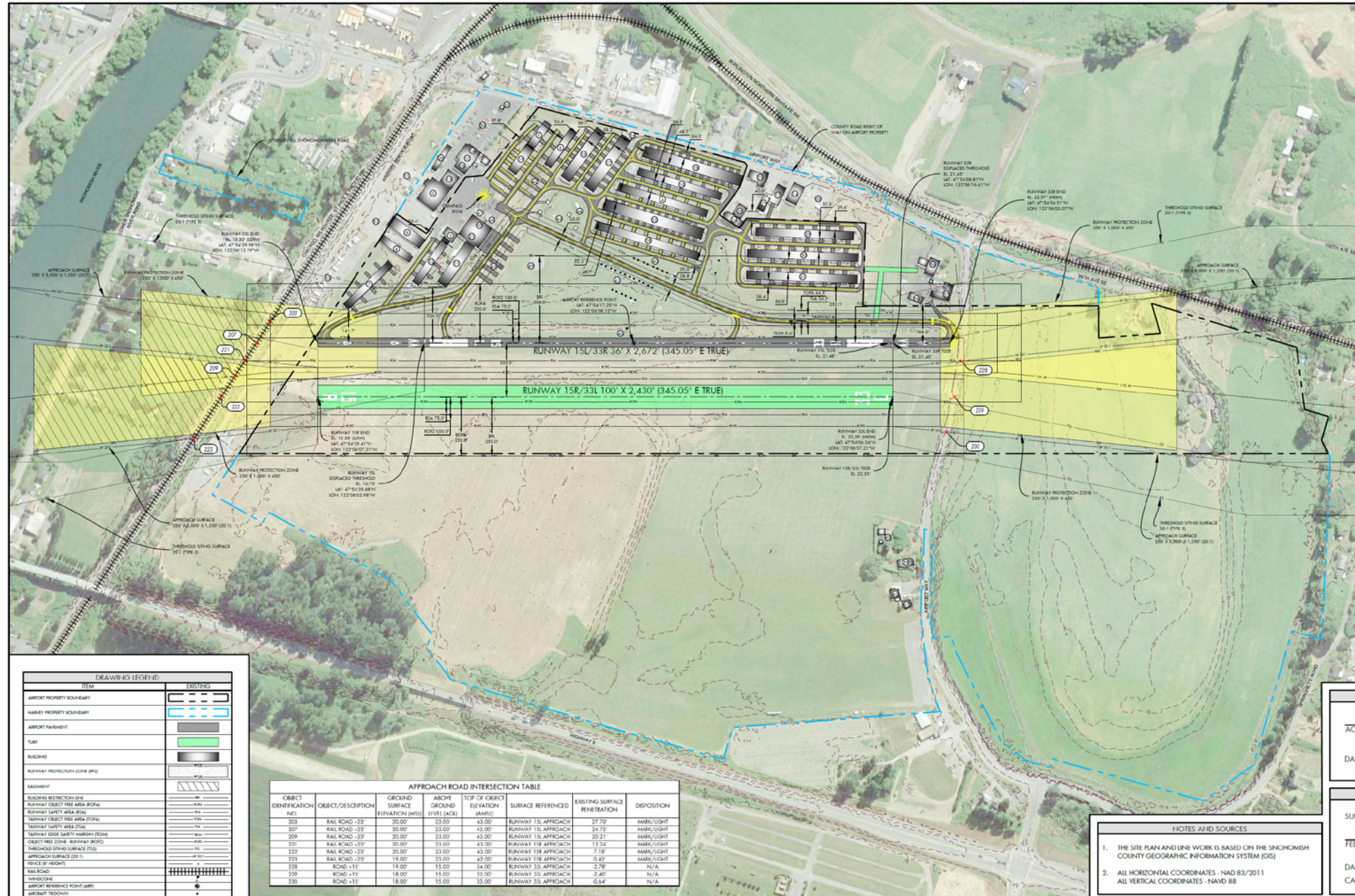
NPIAS FAA DESIGNATED RELIEVER

REGIONAL INFLUENCE

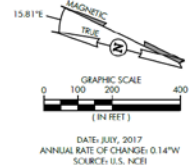




AIRPORT LAYOUT PLAN - EXISTING



EXISTING ID	FACILITY LIST
01	RESTAURANT
02	AIRPORT OFFICE
03	PIGMENT SCHOOL
04	AIRPORT OPERATIONS MAINTENANCE BASE 2
05	MANUFACTURE BONDING CENTER, CO-CONSTRUCTION COMPANY OFFICE, COMBINATION HANGAR & STUDENT DOINGS (L UNITS) SHOPS OCCUPANCY
06	STUDENT SCHOOL
07	TAXIWAY
08	TAXIWAY
09	TAXIWAY
10	TAXIWAY
11	BY STORAGE - 13 UNITS
12	SHADE HANGAR
13	TAXIWAY & LIVESTOCKY SHOP
14	SHADE HANGAR
15	STUDENT SCHOOL ANNEX, TAXIWAY & OPERATIONAL AIRCRAFT ASSOCIATION
16	BAKERY/ AIRCRAFT RESTORATION, SHS
17	PROVIDER & MACHINE SHOP
18	WELDING SHOP
19	PUBLIC EVENT FACILITY
20	SHADE HANGAR
21	SHADE HANGAR
22	SHADE HANGAR
23	SHADE HANGAR
24	FBO AIRCRAFT MAINTENANCE FACILITY
25	FBO AIRCRAFT MAINTENANCE FACILITY
26	SHADE HANGAR
27	SHADE HANGAR, IT AND COMPUTER NETWORK SERVICES & STUDENT DOINGS (L UNITS) DOUBLE OCCUPANCY
28	EQUIPMENT STORAGE - BARN
29	RECORDS STORAGE - BARN
30	STUDENT DOINGS (L UNITS) DOUBLE OCCUPANCY
31	AIRPORT OPERATIONS MAINTENANCE BASE 1
32	TAXIWAY
33	TAXIWAY
34	TAXIWAY
35	EXPRESS COFFEE SHOP
36	HANGAR RESERVED FOR FACILITY ASSES
37	HANGAR RESERVED FOR FACILITY ASSES
38	HANGAR RESERVED FOR FACILITY ASSES
39	HANGAR RESERVED FOR FACILITY ASSES
40	HANGAR RESERVED FOR FACILITY ASSES
41	HANGAR RESERVED FOR FACILITY ASSES
42	HANGAR RESERVED FOR FACILITY ASSES
43	RAILWAY ALPHA TRANSIENT TR DOWN EAST
44	RAILWAY ALPHA TRANSIENT TR DOWN WEST
45	RAILWAY BRAVO HORIZONTAL TR DOWN
46	RAILWAY BRAVO SOUTHWEST TR DOWN
47	RAILWAY
48	WING CONSOLE/SOOL
49	SEU SERVICE FUEL
50	SEU SERVICE AVIATION
51	SEU SERVICE OFFICE-FUEL TRUCKS
52	STUDENT DOINGS (L UNITS)
53	PUBLIC TRAINING (BARN EVENT)
54	EMPLOYEE PARKING
55	STUDENT CENTER PARKING
56	BY PARKING
57	PUBLIC PARKING
58	PUBLIC PARKING
59	RESIDENCE 1000 AIRPORT WAY
60	RESIDENCE 1000 AIRPORT WAY
61	RESIDENCE 1000 AIRPORT WAY
62	RESIDENCE 1000 AIRPORT WAY
63	RESIDENCE 1000 AIRPORT WAY
64	RESIDENCE 1000 AIRPORT WAY
65	RESIDENCE 1000 AIRPORT WAY
66	RESIDENCE 1000 AIRPORT WAY
67	RESIDENCE 1000 AIRPORT WAY
68	RESIDENCE 1000 AIRPORT WAY
69	RESIDENCE 1000 AIRPORT WAY
70	RESIDENCE 1000 AIRPORT WAY



DRAWING LEGEND	
ITEM	EXISTING
AIRPORT PROPERTY BOUNDARY	
HARVEY PROPERTY BOUNDARY	
AIRPORT FARMWAY	
TURF	
BUILDING	
RUNWAY PROTECTION ZONE (RPOZ)	
EASEMENT	
BUILDING RESTRICTION LINE	
RUNWAY OBJECT FREE AREA (RFA)	
TAXIWAY OBJECT FREE AREA (TOFA)	
TAXIWAY SAFETY AREA (TSA)	
TAXIWAY EDGE SAFETY MARGINS (ESM)	
OBJECT FREE ZONE - RUNWAY (OFZ)	
THRESHOLD STRIP SURFACE (TSS)	
APPROACH SURFACE (AS)	
PRECISE PAVEMENT	
RAILROAD	
WIND-CONE	
AIRPORT REFERENCE POINT (ARP)	
AIRPORT TOWER	

OBJECT IDENTIFICATION NO.	OBJECT/DESCRIPTION	GROUND SURFACE ELEVATION (MMSL)	AIRPORT GROUND ELEVATION (MMSL)	TOP OF CURB ELEVATION (MMSL)	SURFACE REFERENCED	EXISTING SURFACE PENETRATION	DISPOSITION
200	RAIL ROAD - 22'	20.00'	23.00'	43.00'	RUNWAY 15L APPROACH	27.70'	MARK/LIGHT
201	RAIL ROAD - 22'	20.00'	23.00'	43.00'	RUNWAY 15L APPROACH	28.75'	MARK/LIGHT
202	RAIL ROAD - 22'	20.00'	23.00'	43.00'	RUNWAY 15L APPROACH	20.21'	MARK/LIGHT
221	RAIL ROAD - 22'	20.00'	23.00'	43.00'	RUNWAY 15R APPROACH	13.74'	MARK/LIGHT
222	RAIL ROAD - 22'	20.00'	23.00'	43.00'	RUNWAY 15R APPROACH	7.18'	MARK/LIGHT
223	RAIL ROAD - 22'	10.00'	23.00'	42.00'	RUNWAY 15R APPROACH	0.42'	MARK/LIGHT
228	ROAD - 13'	19.00'	15.00'	34.00'	RUNWAY 33L APPROACH	-2.78'	N/A
229	ROAD - 13'	18.00'	15.00'	33.00'	RUNWAY 33L APPROACH	-3.40'	N/A
230	ROAD - 13'	18.00'	15.00'	33.00'	RUNWAY 33L APPROACH	-0.4'	N/A

NOTES AND SOURCES

- THE SITE PLAN AND LINE WORK IS BASED ON THE SNOHOMISH COUNTY GEOGRAPHIC INFORMATION SYSTEM (GIS)
- ALL HORIZONTAL COORDINATES - NAD 83/2011
ALL VERTICAL COORDINATES - NAVD 88

SPONSOR APPROVAL

ACCEPTED: HARVEY FIELD AIRPORT

DATE: _____

FAA APPROVAL

SUBJECT TO LETTER DATED: _____

FEDERAL AVIATION ADMINISTRATION

DATE: _____

CASE NO: _____

DES: R.L.B.
DR: R.L.B.
CH: S.V.B.
APP: M.C.L.

HARVEY FIELD
SNOHOMISH, WASHINGTON

ISSUE RECORD			
NO.	BY	DATE	DESCRIPTION

AIRPORT LAYOUT PLAN

AIRPORT LAYOUT PLAN - EXISTING

AIP PROJ. NO. 3-53-0070-003-2014

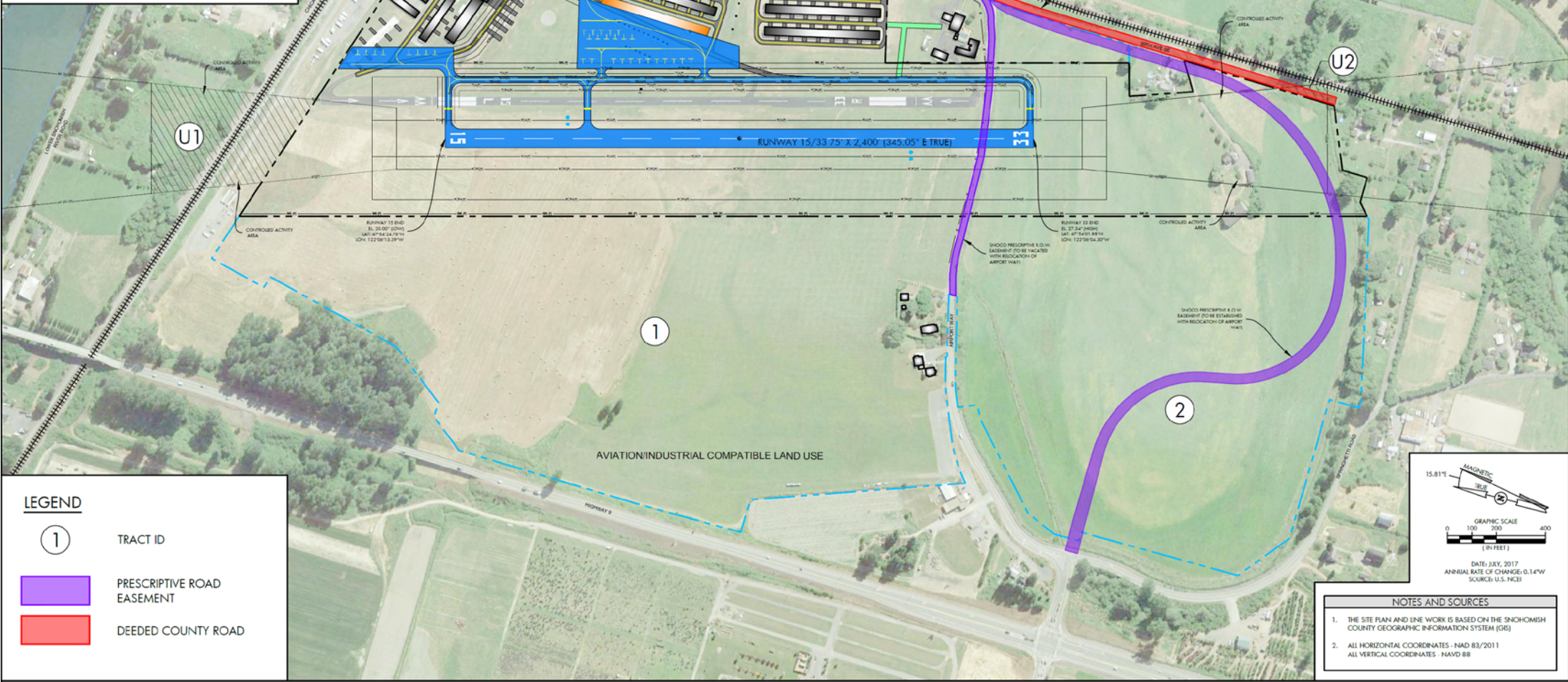
DATE: SEPTEMBER 2018

SHEET NO. 03 of 20

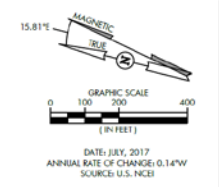
DATE: JULY 2017

ITEM	DRAWING LEGEND	
	EXISTING	FUTURE
AIRPORT PROPERTY BOUNDARY		
HARVEY PROPERTY BOUNDARY		
AIRPORT EASEMENT		
ROAD		
TURF TARDWAY		
BUILDING		
BOROUGH PROTECTION ZONE (BPD)		
BASEMENT		
BUILDING RESTRICTION LINE		
BOROUGH OBJECT FREE AREA (BOFA)		
BOROUGH SAFETY AREA (BSA)		
TURFWAY SAFETY AREA (TSA)		
TURFWAY SAFETY AREA (TSA)		
TURFWAY SAFETY AREA (TSA)		
OBJECT FREE ZONE - RUNWAY (OFZ)		
OBJECT FREE ZONE - RUNWAY (OFZ)		
OBSTRUCTION SURFACE (OS)		
FENCE (IF HEIGHT)		
RAIL ROAD		
UNIMPROVED		
AIRPORT EASEMENT POINT (AEP)		
RAIL		

AIRPORT PROPERTY TABLE							
EXISTING AIRPORT PROPERTY ACQUISITION							
TRACT/PARCEL	CURRENT PROPERTY OWNER	DESCRIPTION OF ACQUISITION	ACREAGE	PROPERTY INTEREST	DATE ACQUIRED	FEDERAL PROJECT NO.	
TRACT 1	HARVEY FIELD	FEI SIMPLE OWNERSHIP	143	OWNER	1839		HOME
TRACT 2	HARVEY FIELD	FEI SIMPLE OWNERSHIP	72	OWNER	2002		HOME
FUTURE AIRPORT PROPERTY ACQUISITION							
TRACT U1	N/A	EASEMENT	4.05	OWNER	N/A		N/A
TRACT U2	N/A	EASEMENT	6.21	OWNER	N/A		N/A



LEGEND	
	TRACT ID
	PREScriptive ROAD EASEMENT
	DEEDED COUNTY ROAD



NOTES AND SOURCES	
1.	THE SITE PLAN AND LINE WORK IS BASED ON THE SNOHOMISH COUNTY GEOGRAPHIC INFORMATION SYSTEM (GIS)
2.	ALL HORIZONTAL COORDINATES - NAD 83/2011 ALL VERTICAL COORDINATES - NAVD 88

DESIGNED BY: M.C.L.
DRAWN BY: M.C.L.
CHECKED BY: M.C.L.
DATE: 9/20/18

HARVEY FIELD
SNOHOMISH, WASHINGTON

ISSUE RECORD			
DES: R.L.B.	NO.	BY	DATE
DR: R.L.B.			
CH: S.V.B.			
APP: M.C.L.			

AIRPORT LAYOUT PLAN

AIRPORT PROPERTY MAP

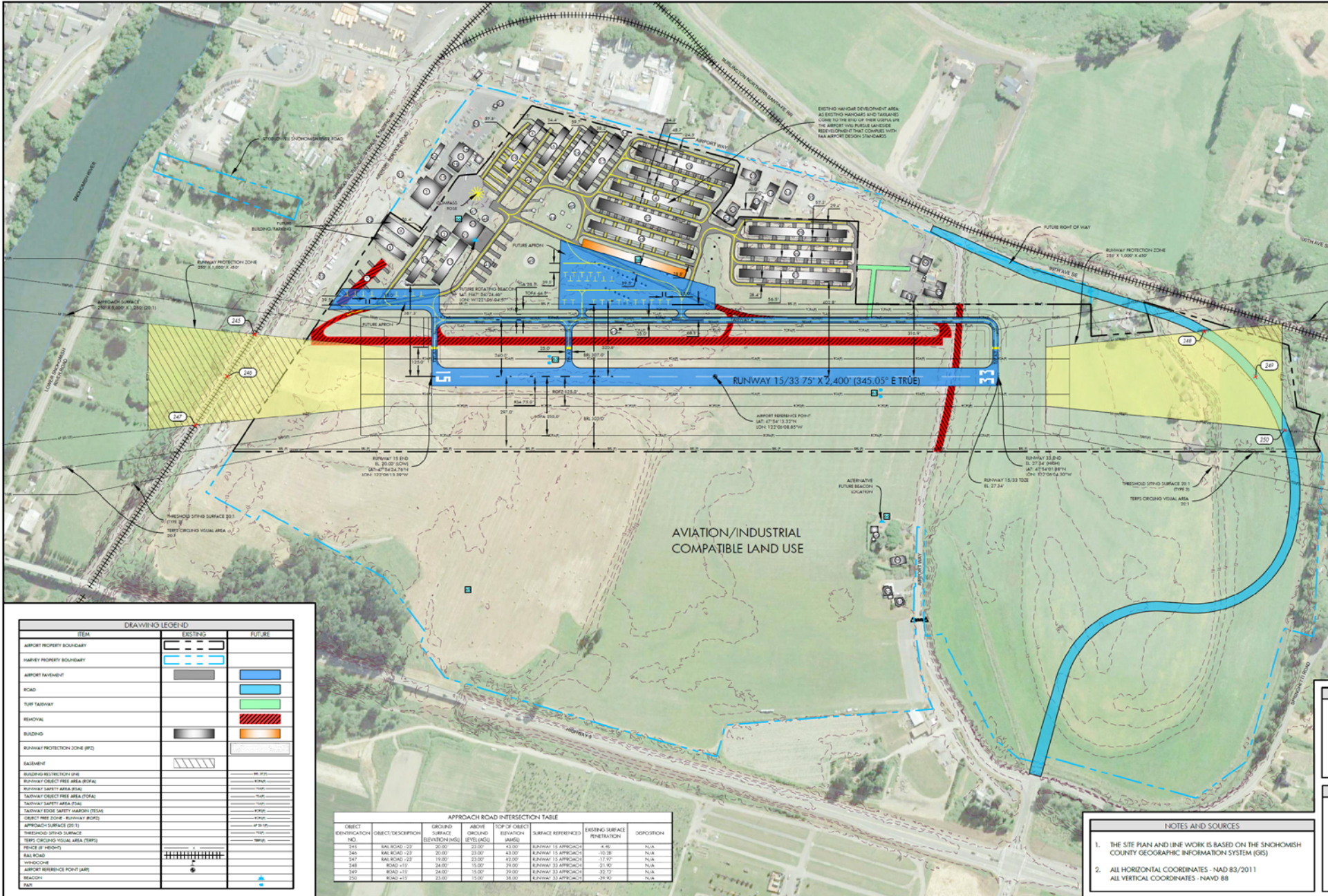
APP PROJ. NO. 3-53-0070-003-2014
DATE: SEPTEMBER 2018

SHEET NO. 20 of 20

AIRPORT LAYOUT PLAN - PROPOSED



AIRPORT LAYOUT PLAN - PROPOSED



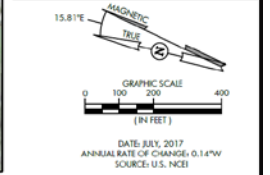
EXISTING ID	ITEM	FUTURE ID
1	RESTAURANT	
2	AIRPORT OFFICE	
3	AIRPORT SCHOOLS	
4	AIRPORT OPERATIONS MAINTENANCE BASE 2	
5	MANUFACTURING CENTER, CO-CONSTRUCTION COMPANY OFFICES, CONCRETE MAINTENANCE	
6	STUDENT DOMS 13 UNITS SHED OCCURANCE	
7	STUDENT DOMS 13 UNITS SHED OCCURANCE	
8	THANGAR	
9	THANGAR	
10	THANGAR	
11	THANGAR	
12	THANGAR & LPHO/STREET SHOP	
13	SHADE HANGAR	
14	THANGAR	
15	THANGAR	
16	THANGAR	
17	THANGAR	
18	THANGAR	
19	THANGAR	
20	THANGAR	
21	THANGAR	
22	THANGAR	
23	THANGAR	
24	THANGAR	
25	THANGAR	
26	THANGAR	
27	THANGAR	
28	THANGAR	
29	THANGAR	
30	THANGAR	
31	THANGAR	
32	THANGAR	
33	THANGAR	
34	THANGAR	
35	THANGAR	
36	THANGAR	
37	THANGAR	
38	THANGAR	
39	THANGAR	
40	THANGAR	
41	THANGAR	
42	THANGAR	
43	THANGAR	
44	THANGAR	
45	THANGAR	
46	THANGAR	
47	THANGAR	
48	THANGAR	
49	THANGAR	
50	THANGAR	
51	THANGAR	
52	THANGAR	
53	THANGAR	
54	THANGAR	
55	THANGAR	
56	THANGAR	
57	THANGAR	
58	THANGAR	
59	THANGAR	
60	THANGAR	
61	THANGAR	
62	THANGAR	
63	THANGAR	
64	THANGAR	
65	THANGAR	
66	THANGAR	
67	THANGAR	
68	THANGAR	
69	THANGAR	
70	THANGAR	
71	THANGAR	
72	THANGAR	
73	THANGAR	
74	THANGAR	
75	THANGAR	
76	THANGAR	
77	THANGAR	
78	THANGAR	
79	THANGAR	
80	THANGAR	
81	THANGAR	
82	THANGAR	
83	THANGAR	
84	THANGAR	
85	THANGAR	
86	THANGAR	
87	THANGAR	
88	THANGAR	
89	THANGAR	
90	THANGAR	
91	THANGAR	
92	THANGAR	
93	THANGAR	
94	THANGAR	
95	THANGAR	
96	THANGAR	
97	THANGAR	
98	THANGAR	
99	THANGAR	
100	THANGAR	

DRAWING LEGEND		
ITEM	EXISTING	FUTURE
AIRPORT PROPERTY BOUNDARY	[Symbol]	[Symbol]
HARVEY FIELD PROPERTY BOUNDARY	[Symbol]	[Symbol]
AIRPORT FAVEMENT	[Symbol]	[Symbol]
ROAD	[Symbol]	[Symbol]
TURF TAXIWAY	[Symbol]	[Symbol]
REGIONAL	[Symbol]	[Symbol]
BUILDING	[Symbol]	[Symbol]
RUNWAY PROTECTION ZONE (RPZ)	[Symbol]	[Symbol]
EASEMENT	[Symbol]	[Symbol]
BUILDING RESTRICTION LINE	[Symbol]	[Symbol]
RUNWAY OBJECT FREE AREA (ROFA)	[Symbol]	[Symbol]
RUNWAY SAFETY AREA (RSA)	[Symbol]	[Symbol]
TAXIWAY OBJECT FREE AREA (TOFA)	[Symbol]	[Symbol]
TAXIWAY SAFETY AREA (TSA)	[Symbol]	[Symbol]
TAXIWAY EDGE SAFETY HAZARD (TESA)	[Symbol]	[Symbol]
OBJECT FREE ZONE (OFFZ) (RWY/RTI)	[Symbol]	[Symbol]
APPROACH SURFACE (AS)	[Symbol]	[Symbol]
THRESHOLD SURFACE (TS)	[Symbol]	[Symbol]
TEMPORARY VISUAL AREA (TVA)	[Symbol]	[Symbol]
FENCE BY WEEDS	[Symbol]	[Symbol]
RAIL ROAD	[Symbol]	[Symbol]
CONDUIT	[Symbol]	[Symbol]
AIRPORT REFERENCE POINT (ARP)	[Symbol]	[Symbol]
BEACON	[Symbol]	[Symbol]
TAXI	[Symbol]	[Symbol]

APPROACH ROAD INTERSECTION TABLE						
OBJECT IDENTIFICATION	OBJECT DESCRIPTION	GROUND SURFACE ELEVATION (FEET)	ABOVE GROUND SURFACE ELEVATION (FEET)	TOP OF OBJECT ELEVATION (FEET)	SURFACE REFERENCES	EXISTING SURFACE PENETRATION
241	RAIL ROAD - 22'	21.00'	21.00'	43.00'	RUNWAY 13 APPROACH	6.46'
249	RAIL ROAD - 22'	21.00'	21.00'	43.00'	RUNWAY 13 APPROACH	10.38'
247	RAIL ROAD - 22'	21.00'	21.00'	42.00'	RUNWAY 13 APPROACH	10.90'
248	ROAD - 11'	24.00'	15.00'	39.00'	RUNWAY 33 APPROACH	21.90'
242	ROAD - 11'	21.00'	15.00'	39.00'	RUNWAY 33 APPROACH	23.72'
250	ROAD - 11'	21.00'	15.00'	38.00'	RUNWAY 33 APPROACH	23.90'

NOTES AND SOURCES

- THE SITE PLAN AND LINE WORK IS BASED ON THE SNOHOMISH COUNTY GEOGRAPHIC INFORMATION SYSTEM (GIS)
- ALL HORIZONTAL COORDINATES - NAD 83/2011
ALL VERTICAL COORDINATES - NAVD 88



SPONSOR APPROVAL

ACCEPTED: HARVEY FIELD AIRPORT _____

DATED: _____

FAA APPROVAL

SUBJECT TO LETTER DATED: _____

FEDERAL AVIATION ADMINISTRATION _____

DATED: _____

CASE NO.: _____

DATE: JULY 2017
ANNUAL RATE OF CHANGE: 0.14" W
SOURCE: U.S. NCEI

HARVEY FIELD
SNOHOMISH, WASHINGTON



ISSUE RECORD			
NO.	BY	DATE	DESCRIPTION

DES: R.L.B.
DR: R.L.B.
CH: S.V.B.
APP: M.C.L.

AIRPORT LAYOUT PLAN

AIRPORT LAYOUT PLAN - FUTURE

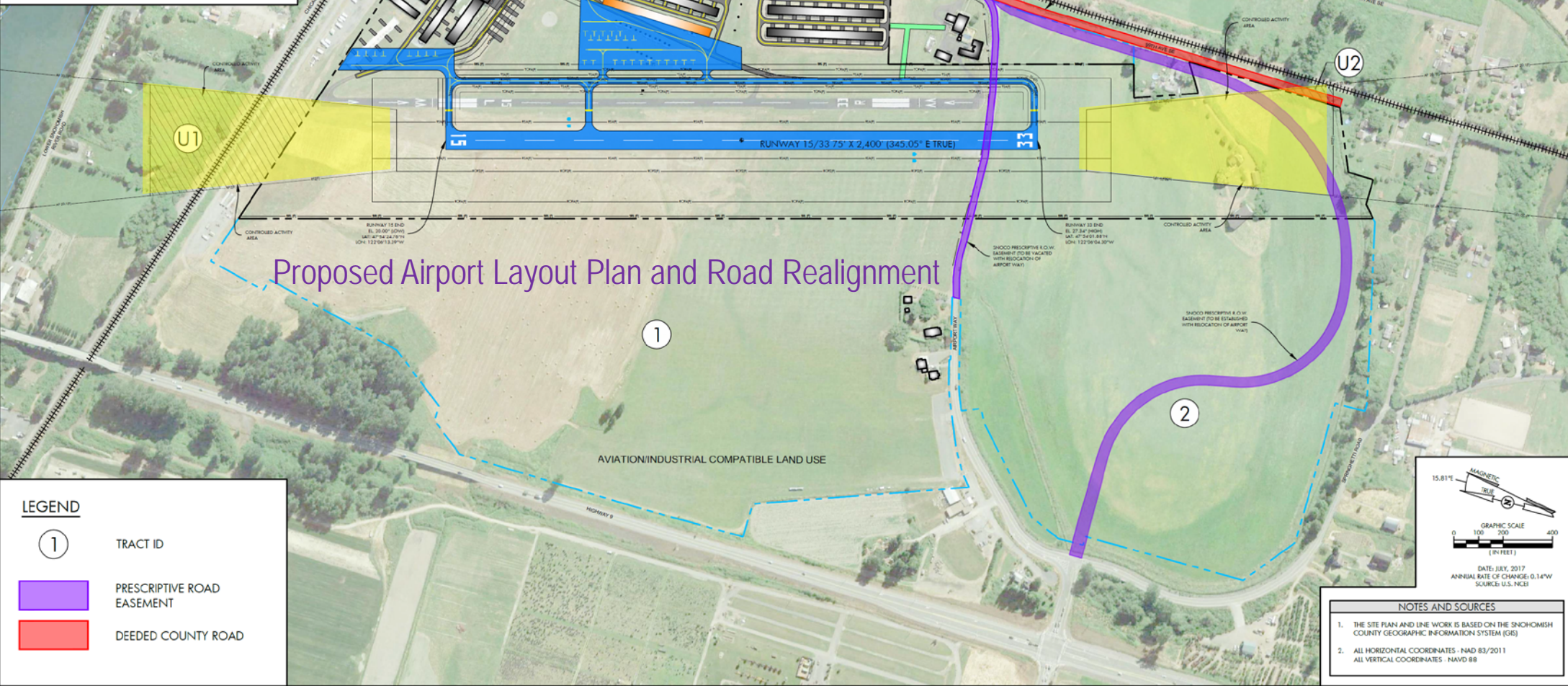
AIP PROJ. NO: 3-53-0070-003-2014

DATE: SEPTEMBER 2018

SHEET NO. 04 of 20

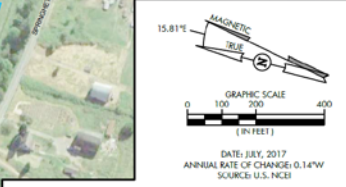
ITEM	DRAWING LEGEND	
	EXISTING	FUTURE
AIRPORT PROPERTY BOUNDARY	[Symbol]	[Symbol]
HARVEY FIELD PROPERTY BOUNDARY	[Symbol]	[Symbol]
AIRPORT TAKEWAY	[Symbol]	[Symbol]
ROAD	[Symbol]	[Symbol]
TURF TAKEWAY	[Symbol]	[Symbol]
BUILDING	[Symbol]	[Symbol]
RIGHTWAY PROTECTION CURB (RPS)	[Symbol]	[Symbol]
EASEMENT	[Symbol]	[Symbol]
BUILDING RESTRICTION LINE	[Symbol]	[Symbol]
RIGHTWAY OBJECT FREE AREA (RFA)	[Symbol]	[Symbol]
RIGHTWAY SAFETY AREA (RSA)	[Symbol]	[Symbol]
TAKWAY OBJECT FREE AREA (TOFA)	[Symbol]	[Symbol]
TAKWAY SAFETY AREA (TSA)	[Symbol]	[Symbol]
TAKWAY EDGE SAFETY MARGIN (TESM)	[Symbol]	[Symbol]
OBJECT FREE ZONE - RUNWAY (OFZ)	[Symbol]	[Symbol]
APPROACH SURFACE (AS)	[Symbol]	[Symbol]
PRECISE IF PRECISE	[Symbol]	[Symbol]
RAIL ROAD	[Symbol]	[Symbol]
WINDCOCK	[Symbol]	[Symbol]
AIRPORT REFERENCE POINT (ARP)	[Symbol]	[Symbol]

AIRPORT PROPERTY TABLE						
EXISTING AIRPORT PROPERTY ACQUISITION						
TRACT/PARCEL	CURRENT PROPERTY OWNER	DESCRIPTION OF ACQUISITION	ACREAGE	PROPERTY INTEREST	DATE ACQUIRED	FEDERAL PROJECT NO.
TRACT 1	HARVEY FIELD	FREE SHAPLE OWNERSHIP	143	OWNER	1899	NDCE
TRACT 2	HARVEY FIELD	FREE SHAPLE OWNERSHIP	72	OWNER	2002	NDCE
FUTURE AIRPORT PROPERTY ACQUISITION						
TRACT U1	N/A	EASEMENT	4.58	OWNER	N/A	N/A
TRACT U2	N/A	EASEMENT	0.21	OWNER	N/A	N/A



Proposed Airport Layout Plan and Road Realignment

LEGEND	
①	TRACT ID
[Purple Box]	PRESCRIPTIVE ROAD EASEMENT
[Red Box]	DEEDED COUNTY ROAD



NOTES AND SOURCES	
1.	THE SITE PLAN AND LINE WORK IS BASED ON THE SNOHOMISH COUNTY GEOGRAPHIC INFORMATION SYSTEM (GIS)
2.	ALL HORIZONTAL COORDINATES - NAD 83/2011 ALL VERTICAL COORDINATES - NAVD 88

DATE: JULY 2017
PROJECT NO. 3-53-0070-003-2014

HARVEY FIELD
SNOHOMISH, WASHINGTON

DES: R.L.B.	ISSUE RECORD		
	NO.	BY	DATE
DR: R.L.B.			
CH: S.V.B.			
APP: M.C.L.			

AIRPORT
LAYOUT PLAN

AIRPORT PROPERTY MAP

AP PROJ. NO. 3-53-0070-003-2014

DATE: SEPTEMBER 2018

SHEET NO.
20 of 20

PROPOSED ROAD REALIGNMENT

ROAD REALIGNMENT



UNIQUE PROJECT ISSUES



- Snohomish County Density Fringe Designation
- Agricultural Land Influences
- FEMA Floodplain Management Standards
- Flood Hazard Regulations

INFORMATIONAL ITEMS



- Follow submittal requirements and format as identified in the RFP
- Questions Shall Be Directed To : RFPcoordinator@harveyfield.com
- See Harvey Field web site (harveyfield.com) for:
 - Airport Master Plan
 - Airport Layout Plan
 - Request for Proposal (RFP)
- Key Dates In Selection Process:
 - March 12, 2021 – RFP Advertisement
 - March 17, 2021 2:00pm (PST) – Pre-Submittal Meeting
 - April 12, 2021 5:00pm (PST) – Proposals are Due
 - April 16, 2021 – Harvey Field Notifies Selected Firms for Interviews
 - April 27-29, 2021 – Interviews (if held)
 - April 30, 2021 – Notice of Final Selection

SELECTION AND OVERSIGHT



- Selection Committee – FAA staff
 - Karen Miles, Engineer, Seattle ADO
 - Kandice Krull, Environmental Protection Specialist, Denver ADO
 - Diane Stilson, Environmental Protection Specialist, Helena ADO
- Selection Committee – Airport
 - Cynthia Hendrickson, Airport Manager
 - Kandace Harvey, Sponsor
 - Tyson Harvey, Board Member
 - Heather Waldow, Board Member
 - Preston Harvey, Board Member
- NEPA Oversight – FAA staff
 - Ilon Logan, Environmental Protection Specialist, Seattle, ADO
 - Kandice Krull, Environmental Protection Specialist, Denver ADO

Questions

