

EPSC EXISTING CONDITIONS SITE PLAN NOTES

- DATUM
VERTICAL: NGVD 88; HORIZONTAL: NAD 83
- INSTALL SILT FENCE PRIOR TO ANY UPGRADIENT SOIL DISTURBANCE.
- INSTALL EROSION LOGS PRIOR TO ANY UPGRADIENT SOIL DISTURBANCE.
- INSTALL STABILIZED CONSTRUCTION ENTRANCES (4) PRIOR TO ACCESS TO AIRPORT.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT REQUIREMENTS.
- COMPLETE STABILIZATION OF PONDS PRIOR TO DIRECTING RUNOFF TO THEM.
- CONTRACTOR TO MINIMIZE WETLAND AND 50' WETLAND BUFFER IMPACTS TO AREAS DEPICTED ON THE PLANS. CONTRACT SHALL AVOID IMPACTS TO ALL OTHER WETLANDS AND WETLAND BUFFERS.


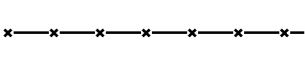

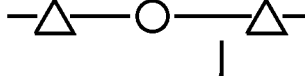

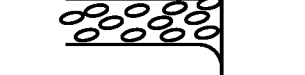


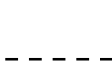
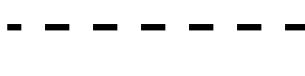
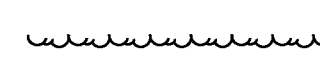



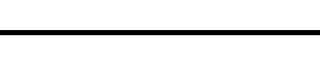
SOILS INFORMATION:

USDA-NRCS CLASSIFIES THE NATIVE SOILS IN THE PROJECT AREA AS UDORTHENTS, BUCKLAND, CABOT, AND VERSHIRE-DUMMERSTON COMPLEX. THE UDORTHENTS SOIL TYPE IS UNCLASSIFIED AND COVERS THE MAJORITY OF THE PROJECT SITE. THE BUCKLAND AND CABOT SOIL TYPES ARE SILTY LOAM AND ARE IN THE AREAS ADJACENT TO RUNWAY 5-23 AND NORTH AND WEST OF RUNWAY 17-35. THE VERSHIRE-DUMMERSTON SOIL TYPE IS ROCKY AND LOCATED EAST AND SOUTH OF RUNWAY 17-35.

EPSC WINTER CONSTRUCTION NOTES

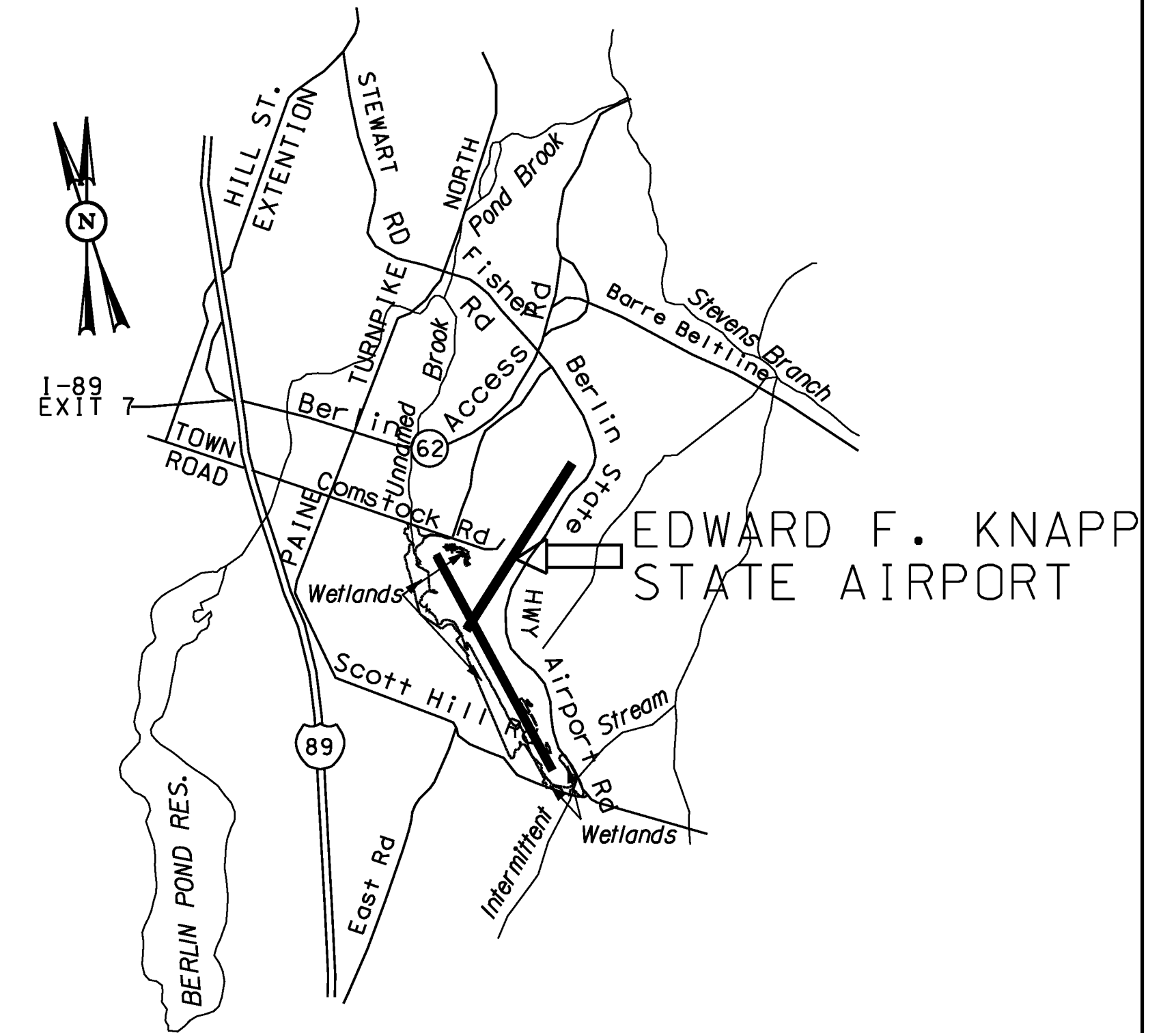
- CONTRACTOR SHALL ENLARGE AND STABILIZE CONSTRUCTION ENTRANCES TO PROVIDE FOR SNOW STOCKPILING.
- CONTRACTOR SHALL REVISE LIMITS OF DISTURBANCE TO REFLECT BOUNDARY OF WINTER WORK.
- CONTRACTOR SHALL PROVIDE A SNOW MANAGEMENT PLAN, THAT PROVIDES FOR ADEQUATE STORAGE AND CONTROL OF SNOWMELT, REQUIRES CLEARED SNOW TO BE STORED DOWN GRADIENT OF ALL AREAS OF DISTURBANCE AND PROHIBITS STORAGE OF SNOW IN STORMWATER TREATMENT STRUCTURES.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A MINIMUM OF A 25 FOOT BUFFER FROM PERIMETER CONTROLS SUCH AS SILT FENCE TO ALLOW FOR SNOW CLEARING AND MAINTENANCE.
- IN AREAS OF DISTURBANCE WITHIN 100 FEET OF A RECEIVING WATER, CONTRACTOR SHALL REINFORCE SILT FENCE OR ELSE REPLACE WITH PERIMETER DIKES, SWALES, OR OTHER PRACTICES RESISTANT TO THE FORCES OF SNOW LOADS.
- CONTRACTOR SHALL KEEP DRAINAGE STRUCTURES OPEN AND FREE OF SNOW AND ICE DAMS.
- CONTRACTOR SHALL INSTALL SILT FENCE AND OTHER STORMWATER PRACTICES REQUIRING EARTH DISTURBANCE AHEAD OF GROUND FREEZING.
- IN AREAS STABILIZED BY MULCH, MULCH SHALL BE 2" THICK WITH MINIMUM 80-90% COVER. CONTRACTOR SHALL TRACK IN OR STABILIZE ALL MULCH WITH NETTING.
- IN AREAS STABILIZED BY BONDED FIBER MATRIX, BONDED FIBER MATRIX SHALL BE APPLIED AT A RATE AND WITH A METHOD THAT IS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- TO ENSURE COVER OF DISTURBED SOIL IN ADVANCE OF A MELT EVENT, AREAS OF DISTURBED SOIL MUST BE STABILIZED AT THE END OF EACH WORK DAY, WITH THE FOLLOWING EXCEPTIONS:
 - IF NO PRECIPITATION WITHIN 24 HOURS IS FORECAST AND WORK WILL RESUME IN THE SAME DISTURBED AREA WITHIN 24 HOURS, DAILY STABILIZATION IS NOT NECESSARY.
 - DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS HOUSE FOUNDATIONS OR OPEN UTILITY TRENCHES.
- CONTRACTOR SHALL REMOVE SNOW OR ICE TO LESS THAN 1" THICKNESS PRIOR TO STABILIZATION.
- CONTRACTOR SHALL PROVIDE STONE STABILIZATION, 10-20 FEET WIDE IN AREAS UNDER CONSTRUCTION, WHERE CONSTRUCTION VEHICLE TRAFFIC IS ANTICIPATED.

EPSC LEGEND

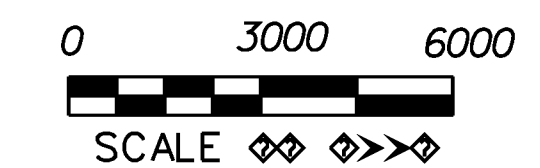
	EROSION LOG FOR CATCH BASIN		FENCE LINE
	EROSION LOG		PROPOSED SLOPE LIMITS
	EROSION CONTROL MATTING		STABILIZED CONSTRUCTION ENTRANCE
	SILT FENCE		SUBCATCHMENT LINE
	CHECK DAM		SOIL TYPE DIVIDE
	EDGE OF PAVEMENT		LIMIT OF WETLANDS
	TREE LINE		BORING
	BARRIER FENCE		

EPSC CONSTRUCTION SITE PLAN NOTES

- DATUM
VERTICAL: NGVD 88; HORIZONTAL: NAD 83
- SILT FENCE INSTALLATION MAY REQUIRE PHASING TO MAXIMIZE EFFECTIVENESS. INSTALL AND/OR MOVE SILT FENCE AS CONSTRUCTION PROGRESSES TO OBTAIN THE GREATEST PREVENTION OF SEDIMENT TRANSPORT. ALL SILT FENCE INSTALLATION SHALL BE PROPERLY KEYED INTO THE GROUND AND SUPPORTED AS DETAILED ON THE "EPSC DETAILS" SHEETS. THE SILT FENCE SHOULD BE INSTALLED PARALLEL TO THE CONTOURS TO PREVENT CONCENTRATION OF RUNOFF. THE ENDS OF EACH RUN OF SILT FENCE SHOULD BE TURNED UPHILL TO PROVIDE A SMALL POOL FOR SEDIMENT SHOULD WATER TRY TO RUN AROUND THE END OF THE SILT FENCE.
- SILT FENCE WITH STAKES WILL BE PAID FOR UNDER GEOTEXTILE FOR SILT FENCE.
- TEMPORARY STONE CHECK DAMS SHALL BE KEYED INTO THE GROUND AND CONSTRUCTED AS PER THE "EPSC DETAILS" SHEETS. THE PURPOSE OF THE TEMPORARY CHECK DAMS ARE TO REDUCE RUNOFF VELOCITIES THUS PREVENTING EROSION.
- SURFACE ROUGHENING HELPS REDUCE RUNOFF VELOCITIES AND INCREASES INFILTRATION RATES. ROUGHENING MAY BE ACCOMPLISHED BY A NUMBER OF METHODS SUCH AS TRACKING UP AND DOWN THE SLOPE WITH A BULLDOZER, TRACKING ACROSS THE SLOPE WITH A WHEELED VEHICLE OR ANY METHOD OF SCARIFYING THE SLOPE SUCH THAT THE GROOVES CREATED RUN PERPENDICULAR TO THE DIRECTION OF WATER RUNOFF.
- FINAL STABILIZATION MEASURES WILL INCLUDE STABILIZATION OF ALL SURFACES BY ADDING TOPSOIL, SEED, FERTILIZER AND MULCH OR MATTING ALL DISTURBED AREAS THAT ARE NOT PAVED. SEE SHEET 4 FOR SEED MIX AND APPLICATION RATES. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE AND MONITORING OF EROSION CONTROL DEVICES.
- TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO EXCAVATION OF SURFACES, BEYOND THOSE NECESSARY TO INSTALL THESE MEASURES.
- ONE OBJECTIVE OF THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN IS TO MINIMIZE THE TIME THAT EXCAVATED SOILS ARE EXPOSED TO THE ELEMENTS. EXCAVATION OF TAXIWAYS, THE UTILITY TRENCHES, STORMWATER SWALES AND RUNWAY SURFACE SHALL BE SEQUENCED TO ACHIEVE THIS OBJECTIVE. THIS SEQUENCING OF EXCAVATION WORK SHALL BE IN THE CONTRACTOR'S EROSION PREVENTION AND SEDIMENT CONTROL PLAN.
- ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY OR FINAL STABILIZATION WITHIN 14 DAYS OF THE INITIAL DISTURBANCE. AFTER THIS TIME, ANY DISTURBANCE IN THE AREA MUST BE STABILIZED AT THE END OF EACH WORKDAY. THE FOLLOWING EXCEPTIONS APPLY: i) STABILIZATION IS NOT REQUIRED IF WORK IS TO CONTINUE IN THE AREA WITHIN THE NEXT 24 HOURS AND THERE IS NO PRECIPITATION FORECAST FOR THE NEXT 24 HOURS. ii) STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (i.e. NO OUTLET) WITH A DEPTH OF 2 FEET OR GREATER.
- IF PROJECT REQUIRES A WINTER SHUTDOWN:
 - AREAS STABILIZED BY VEGETATION SHALL BE GRADED AND SEEDED (SEE SHEET 4 FOR SEED MIX AND APPLICATION RATES) NO LATER THEN SEPTEMBER 15TH TO ENSURE ADEQUATE GROWTH AND COVER. VEGETATIVE AREAS WHICH DON'T TAKE PROPERLY WILL BE RESEEDDED.
 - AREAS STABILIZED BY MULCH SHALL BE MULCHED NO LATER THEN OCTOBER 15TH. MULCH SHALL BE 2" THICK WITH MINIMUM 80-90% COVER. ALL MULCH SHALL BE TRACKED IN OR STABILIZED WITH NETTING.
 - FLOW PROTECTION PRACTICES, INCLUDING SILT FENCE, STONE CHECK DAMS AND RIP RAP SHALL BE INSTALLED BY OCTOBER 15TH.



LOCATION MAP



EPSC NOTES AND LEGEND

PROJECT NAME: E. F. KNAPP STATE AIRPORT	
A.I.P. 3-50-0001-011-2009	
PROJECT NUMBER: BERLIN AIR 04-3216	
FILE NAME: z05h378shf.EPSCex.dgn	PLOT DATE: 11/22/2011
PROJECT LEADER: S. FORTNEY	DRAWN BY: D. STANDISH
DESIGNED BY: S. BOUCHARD	CHECKED BY: J. DOWNAR
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