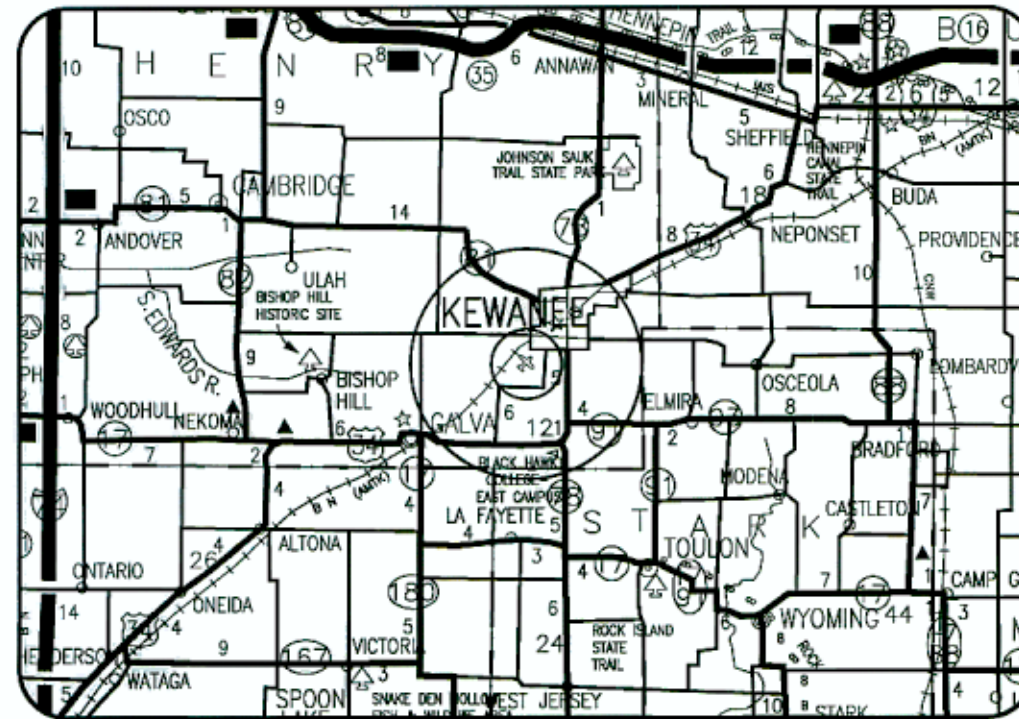


# CONSTRUCTION PLANS FOR KEWANEE MUNICIPAL AIRPORT

## KEWANEE, HENRY COUNTY, ILLINOIS REHABILITATE T-HANGAR TAXIWAYS

### SCOPE OF WORK

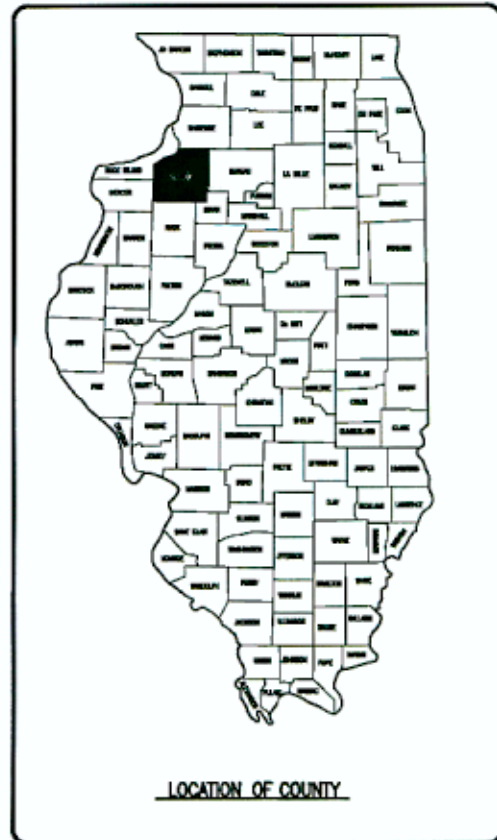
THE PROPOSED IMPROVEMENTS CONSIST OF THE REHABILITATION OF THE BITUMINOUS TAXIWAY PAVEMENTS SERVING THE EXISTING T-HANGAR BUILDINGS. THE REHABILITATION SHALL INCLUDE BITUMINOUS PAVEMENT MILLING AND REPLACEMENT FOR A NOMINAL 1-1/4" DEPTH. ASSOCIATED WORK INCLUDES MISCELLANEOUS PAVEMENT REPAIRS, DRAINAGE IMPROVEMENTS, PAVEMENT MARKING AND INCIDENTALS.



LOCATION

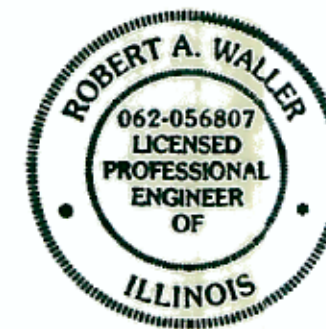
ILL. PROJ. EZI-3868  
A.I.P. PROJ. 3-17-0058-B13

LATITUDE: 41° 12' 19"  
LONGITUDE: 89° 57' 50"  
ELEVATION: 858.0' M.S.L.  
DATE: AUGUST 10, 2009



LOCATION OF COUNTY

AUG 17, 2009 8:51 AM HANSON1115  
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PLANS PREPARED BY:

Hanson Professional Services Inc.  
AIRPORT ENGINEER

Submitted by: *[Signature]* ENG'R  
Date Submitted: 8/10/2009  
Lic. Exp. Date: 11/30/2009

REVISION	DATE	BY

KEWANEE MUNICIPAL AIRPORT  
KEWANEE, HENRY COUNTY, ILLINOIS

ILL. PROJ.: EZI-3868 A.I.P. PROJ.: 3-17-0058-B13

NO.	DESCRIPTION	DATE	BY
01	08A0187D_0800	08/10/09	MLH
02	001.COV.DWG	08/10/09	MLH
03	RAW	08/07/09	RAW

**HANSON**  
Hanson Professional Services Inc. 2009  
1525 South Sixth Street  
Springfield, Illinois 62703-2896  
www.hanson-inc.com  
Offices Nationwide

REHABILITATE  
T-HANGAR TAXIWAYS

COVER SHEET

DATE	REVISION	BY

### SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150530	TRAFFIC MAINTENANCE	L.S.	1	
AR150540	HAUL ROUTE	L.S.	1	
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	30	
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	30	
AR401610	BITUMINOUS SURFACE COURSE	TON	450	
AR401650	BITUMINOUS PAVEMENT MILLING	S.Y.	5,475	
AR401910	REMOVE & REPLACE BIT. PAVEMENT	S.Y.	553	
AR603510	BITUMINOUS TACK COAT	GAL	825	
AR620520	PAVEMENT MARKING – WATERBORNE	S.F.	1,770	
AR620525	PAVEMENT MARKING – BLACK BORDER	S.F.	1,770	
AR705526	6" PERFORATED UNDERDRAIN W/SOCK	L.F.	330	
AR901510	SEEDING	ACRE	0.1	
AR908510	MULCHING	ACRE	0.1	

### INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	EXISTING SITE PLAN
5	PROPOSED PREPARATION PLAN
6	PROPOSED CONSTRUCTION PLAN
7	PROPOSED TYPICAL SECTIONS AND CONSTRUCTION DETAILS
8	PROPOSED DRAINAGE DETAILS
9	PROPOSED PAVEMENT MARKING PLAN

KEWANEE MUNICIPAL AIRPORT  
KEWANEE, HENRY COUNTY, ILLINOIS

IL PROJ.: EZI-3868 A.I.P. PROJ.: 3-17-0058-B13

Heli Project No. 08A0187D\_0800  
Filename R-002FLP.DWG  
Scale N/A  
Date 08/10/09

LAYOUT	MLH	06/22/09
DRAWN	MLH	07/30/09
REVIEWED	RAW	08/07/09



REHABILITATE  
T-HANGAR TAXIWAYS  
  
SUMMARY OF QUANTITIES  
AND  
INDEX TO SHEETS

**SCOPE OF WORK**

THE PROPOSED IMPROVEMENTS CONSIST OF THE REHABILITATION OF THE BITUMINOUS TAXIWAY PAVEMENTS SERVING THE EXISTING T-HANGAR BUILDINGS. THE REHABILITATION SHALL INCLUDE BITUMINOUS PAVEMENT MILLING AND REPLACEMENT FOR A NOMINAL 1-1/4" DEPTH. ASSOCIATED WORK INCLUDES MISCELLANEOUS PAVEMENT REPAIRS, DRAINAGE IMPROVEMENTS, PAVEMENT MARKING AND INCIDENTALS.

**PROPOSED SAFETY PLAN**

ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR 150/5370-2, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION" APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN.

GENERAL - THE KEWANEE MUNICIPAL AIRPORT IS COMPRISED OF TWO PAVED RUNWAYS AND THE ASSOCIATED TAXIWAY SYSTEM. THE PROPOSED CONSTRUCTION SHOULD NOT NECESSITATE CLOSURE OF ANY RUNWAYS.

THE CONTRACTOR IS REQUIRED TO IMPLEMENT A PRACTICAL AND EFFECTIVE STAGING PLAN THAT WILL MINIMIZE DISRUPTION TO NORMAL AIRPORT ACTIVITY WHILE NOT COMPROMISING SAFETY OF PERSONNEL OR THE QUALITY OF THE PROJECT.

**CONTRACTOR RESPONSIBILITIES**

GENERAL - THE CONTRACTOR MUST FOLLOW PROCEDURES ON THIS SHEET THAT ASSURES SAFE OPERATING CONDITIONS FOR AIRCRAFT AS WELL AS HIS PERSONNEL AND EQUIPMENT. THE AIRPORT MANAGEMENT WILL AT ALL TIMES HAVE JURISDICTION OVER THE SAFETY OF AIR TRAFFIC DURING CONSTRUCTION.

THE CONTRACTOR AND HIS EMPLOYEES WILL BE RESTRICTED TO THE WORK AREA AND ALL OTHER AREAS OF THE AIRPORT ARE "OFF LIMITS" TO THEM.

THE CONTRACTOR IS REQUIRED TO LIMIT THE USE OF CONSTRUCTION EQUIPMENT ON THE EXISTING PAVEMENTS. ONLY EQUIPMENT NEEDED TO COMPLETE THE SPECIFIC WORK ON THE EXISTING PAVEMENT WILL BE PERMITTED. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY EXISTING PAVEMENTS CAUSED BY HIS PERSONNEL OR EQUIPMENT, WHICH ARE USED OVER THE COURSE OF THE PROJECT.

NO OPEN HOLES OR TRENCHES WILL BE ALLOWED WITHIN 200' OF AN ACTIVE RUNWAY, WITHIN 40' OF AN ACTIVE TAXIWAY OR TAXILANE, NOR WILL EITHER HOLES OR OPEN TRENCHES BE ALLOWED TO REMAIN EXPOSED OR OPEN OVERNIGHT UNLESS ADEQUATELY PROTECTED BY BARRICADES.

IDENTIFICATION - WHEN THE CONTRACTOR'S VEHICLES AND EQUIPMENT ARE ON THE AIRPORT THEY SHALL BE PROPERLY MARKED WITH THREE (3') FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE). THE CONTRACTOR WILL ALSO PROVIDE WORKERS WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THE PERSON AS BEING PART OF THE CONSTRUCTION CREW.

RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO MONITOR THE AIRPORT UNICOM (122.80 MHz.) WHENEVER HIS PERSONNEL ARE ON THE AIRPORT PROPERTY. THIS WILL ALLOW THE CONTRACTOR TO RESPOND TO AN AERONAUTICAL EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

**CONSTRUCTION STAGING**

ACCESS TO ALL HANGARS AND ADMINISTRATIVE AREAS WILL BE MAXIMIZED THROUGHOUT THE PROJECT. WHILE ALL PAVEMENT REPAIR AND UNDERDRAIN INSTALLATION ITEMS OCCUR THE CONTRACTOR SHALL COORDINATE THE ACCESS TO THE T-HANGARS WITH THE AIRPORT MANAGEMENT TO ENSURE THESE WORK ITEMS ARE STAGED TO ALLOW ACCESS PERIODICALLY. HOWEVER, DURING ITEMS OF BITUMINOUS MILLING, TACK COAT, PAVING, AND MARKING, ACCESS TO THE AREA WILL BE RESTRICTED ENTIRELY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PROVIDING THE TRAFFIC CONTROL DEVICES OR STAGING THE REPAIR ACTIVITIES BEYOND THAT INCLUDED IN ITEM AR150530 - TRAFFIC MAINTENANCE.

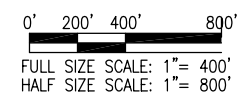
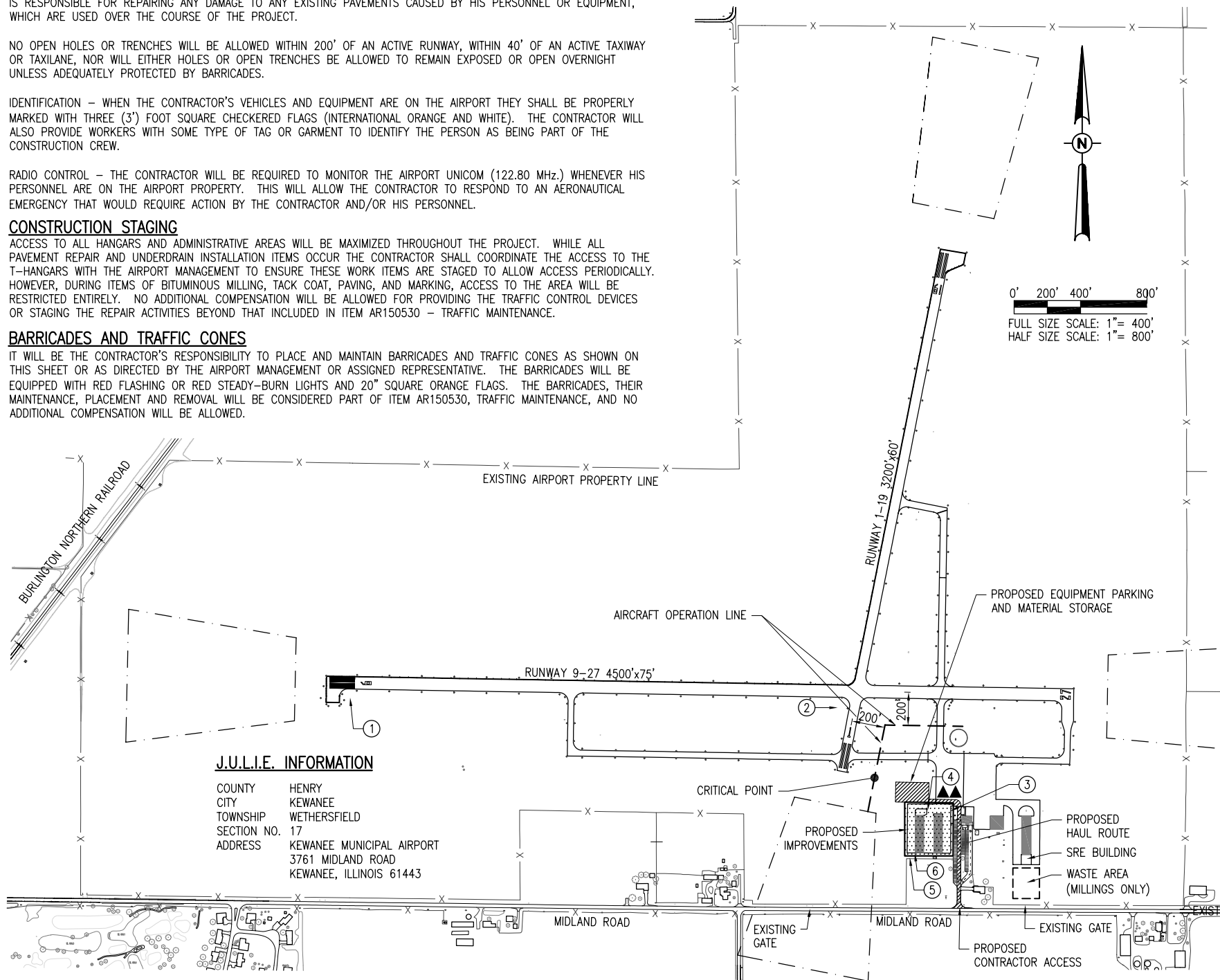
**BARRICADES AND TRAFFIC CONES**

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS SHOWN ON THIS SHEET OR AS DIRECTED BY THE AIRPORT MANAGEMENT OR ASSIGNED REPRESENTATIVE. THE BARRICADES WILL BE EQUIPPED WITH RED FLASHING OR RED STEADY-BURN LIGHTS AND 20" SQUARE ORANGE FLAGS. THE BARRICADES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WILL BE CONSIDERED PART OF ITEM AR150530, TRAFFIC MAINTENANCE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

HORIZONTAL AND VERTICAL DATA				
NO.	DESCRIPTION	NORTHING	EASTING	ELEV.
1	KEWPORT AZ (NGS) MARKER, ALUM. ROD	1652491.6490	2349792.8460	850.62
2	KEWPORT (NGS) MARKER, ALUM. ROD	1652431.7150	2352728.1030	---
3	MAG NAIL IN PAVEMENT (CP#70)	1651809.2960	2353405.4630	848.95
4	MAG NAIL IN PAVEMENT (CP#71)	1651811.5000	2353269.7990	848.98
5	5/8" IRON PIN (CP#72)	1651529.3050	2353162.8090	846.93
6	CHSLD. SQ. ON CONC. PAD, SW COR. OF W HANGAR	---	---	849.44

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 1-800-892-0123.



**J.U.L.I.E. INFORMATION**

COUNTY HENRY  
 CITY KEWANEE  
 TOWNSHIP WETHERSFIELD  
 SECTION NO. 17  
 ADDRESS KEWANEE MUNICIPAL AIRPORT  
 3761 MIDLAND ROAD  
 KEWANEE, ILLINOIS 61443

**CRITICAL POINT DATA**

LATITUDE - N41° 12' 09.01"  
 LONGITUDE - W89° 57' 42.56"  
 ELEVATION - 849.5'

**LEGEND**

- EXISTING IMPROVEMENTS
- EXISTING BUILDING
- PROPOSED CONSTRUCTION IMPROVEMENTS
- PROPOSED EQUIPMENT/VEHICLE PARKING AREA & HAUL ROUTE
- EXISTING AIRPORT PROPERTY LINE
- BARRICADES
- HORIZONTAL/VERTICAL CONTROL

**HAUL ROUTE AND EQUIPMENT PARKING/MATERIAL STORAGE AREA**

THE CONTRACTOR SHALL USE THE DESIGNATED HAUL ROUTE AND EQUIPMENT PARKING/MATERIAL STORAGE AREAS AS SHOWN ON THIS SHEET. THE DESIGNATED HAUL ROUTE SHALL BE THE ONLY ACCESS USED BY THE CONTRACTOR OR HIS EMPLOYEES. ONLY VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION WILL BE PERMITTED TO LEAVE THE PARKING/MATERIAL STORAGE AREA.

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS TO USE STATE, CITY, COUNTY, OR TOWNSHIP ROADS.

THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND EQUIPMENT PARKING/MATERIAL STORAGE AREA THROUGHOUT THE COURSE OF THE PROJECT. ANY AREAS DAMAGED OUTSIDE OF THESE AREAS WILL BE REPAIRED BY THE CONTRACTOR AND AT THE CONTRACTOR'S OWN EXPENSE. AT THE CONCLUSION OF THE PROJECT THE CONTRACTOR WILL RESTORE THE HAUL ROUTE AND STAGING AREA TO ITS PRE-CONSTRUCTION STATE. ALL WORK ASSOCIATED WITH THE HAUL ROUTE AND PARKING/MATERIAL STORAGE AREA, INCLUDING CONSTRUCTION, MAINTENANCE AND RESTORATION WILL BE CONSIDERED INCIDENTAL TO ITEM AR150540, HAUL ROUTE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EMPLOYEES SHALL PARK PERSONAL VEHICLES IN THE AIRPORT PARKING AREA OUTSIDE OF THE FENCE.

**AIRPORT SECURITY NOTE**

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR WILL CLOSE AND LOCK THE EXISTING GATE IN THE HAUL ROUTE AT THE END OF EACH WORKING DAY. ANY ACCESS GATES WILL BE CLOSED AT ALL TIMES WHEN NOT IN USE. IF CONTINUOUS HAULING IS REQUIRED, THEN THE GATE ACCESS WILL BE MONITORED TO PREVENT A BREACH FROM OUTSIDE, NON-CONSTRUCTION RELATED TRAFFIC.

**RUNWAY CLOSURE NOTE**

FAA CRITERIA REQUIRES A RUNWAY BE CLOSED IF CONSTRUCTION ACTIVITIES OR PERSONNEL ARE WITHIN 200 FT. OF A RUNWAY CENTERLINE. THE PROPOSED CONSTRUCTION SHOULD NOT NECESSITATE ANY RUNWAY CLOSURES, THEREFORE, THE CONTRACTOR IS PROHIBITED FROM ENTERING THE RUNWAY SAFETY AREAS.

**AIRCRAFT OPERATION LINE**

THE AIRCRAFT OPERATION LINE PARALLELS THE RUNWAY AT A DISTANCE OF 200' FROM THE RUNWAY'S CENTERLINE. THE CONTRACTOR WILL LOCATE THIS LINE AT THE START OF CONSTRUCTION AND WILL PLACE A FRANGIBLE MARKER EVERY 150' ALONG IT. THIS LINE WILL BE THE LIMITS THAT ALL CONTRACTOR PERSONNEL MAY VENTURE WHEN A RUNWAY IS NOT CLOSED. THE CONTRACTOR WILL MAINTAIN THE LINE FOR RUNWAYS AND REMOVE THE MARKERS AT THE CONCLUSION OF THE PROJECT.

**HEIGHT OF CONSTRUCTION EQUIPMENT**

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 20 FT.. THE TALLEST EQUIPMENT IS EXPECTED TO BE A TANDEM TRUCK WITH BED RAISED LOCATED WITHIN THE PAVEMENT AREA OF THE PROJECT.

**EROSION CONTROL**

THE PROPOSED CONSTRUCTION WILL NOT DISTURB MORE THAN 1 ACRE OF LAND, THEREFORE AN EROSION CONTROL PLAN AND AN NPDES PERMIT ARE NOT REQUIRED.

**150-ENGINEER'S FIELD OFFICE**

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE FURNISHED, MAINTAINED, AND REMOVED IN ACCORDANCE WITH ITEM AR150510 "ENGINEER'S FIELD OFFICE" OF THE SPECIAL PROVISIONS.

THE ENGINEERING FIRM WILL MAKE PAYMENT FOR ALL LONG DISTANCE TELEPHONE CALLS IN EXCESS OF ONE HUNDRED DOLLARS (\$100.00) PER MONTH.

THE CONTRACTOR WILL FURNISH A CELL PHONE TO THE RESIDENT ENGINEER FOR HIS EXCLUSIVE USE FOR THE DURATION OF THIS PROJECT. THE RESIDENT ENGINEER WILL USE THIS PHONE FOR PROJECT BUSINESS ONLY. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CHARGES ASSOCIATED WITH THIS CELL PHONE.

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE PAID FOR UNDER ITEMS:  
 AR150510 ENGINEER'S FIELD OFFICE \_\_\_\_ 1 L.S.

**UTILITY NOTE**

THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND AGENCIES WHICH HAVE LINES OR CONDUITS IN THE PROPOSED WORK AREA. ALL LINES AND CONDUITS SHALL BE LOCATED AND IDENTIFIED FOR DEPTH BEFORE ANY EXCAVATION BEGINS. THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) TO ACCOMPLISH THE ABOVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY ALL UNDERGROUND NON-JULIE UTILITIES LOCATED WITHIN THE PROPOSED CONSTRUCTION LIMITS. THESE UNDERGROUND IMPROVEMENTS WILL BE LOCATED AT THE CONTRACTOR'S OWN EXPENSE PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

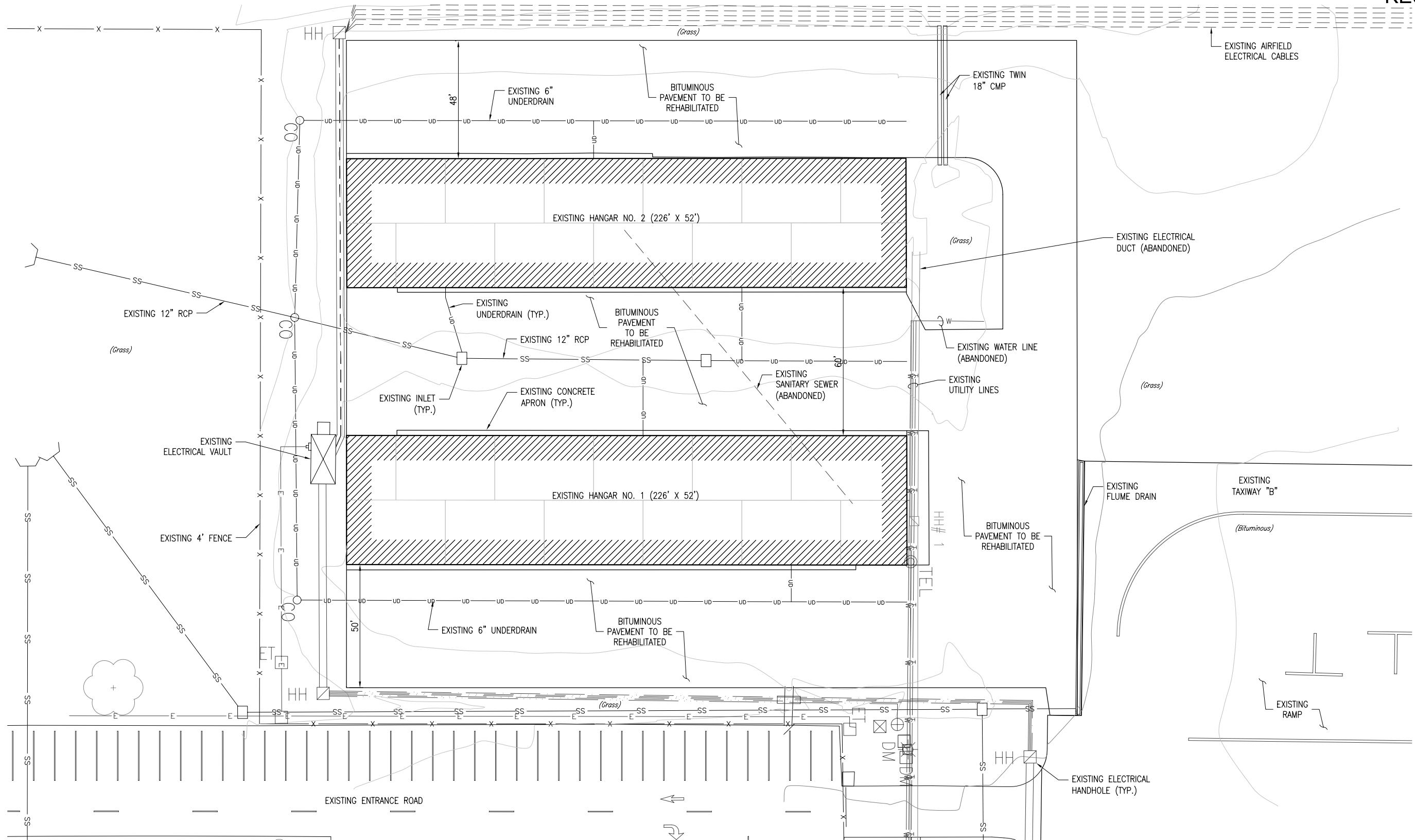
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DATE	REVISION	BY

KEWANEE MUNICIPAL AIRPORT  
 KEWANEE, HENRY COUNTY, ILLINOIS  
 I.L. PROJ.: E21-3868  
 A.I.P. PROJ.: 3--17--0058--B13

HEL Project No. 08A0187D_0800	06/19/09
Filename R-0035FY.DWG	07/30/09
Scale 1"=400'	08/07/09
Date 08/10/09	
LAYOUT MLH	RAW
DRAWN MLH	
REVIEWED	

REHABILITATE  
 T-HANGAR TAXIWAYS  
 PROPOSED SAFETY PLAN



**SCOPE OF WORK**

THE PROPOSED IMPROVEMENTS CONSIST OF THE REHABILITATION OF THE BITUMINOUS TAXIWAY PAVEMENTS SERVING THE EXISTING T-HANGAR BUILDINGS. THE REHABILITATION SHALL INCLUDE BITUMINOUS PAVEMENT MILLING AND REPLACEMENT FOR A NOMINAL 1-1/4" DEPTH. ASSOCIATED WORK INCLUDES MISCELLANEOUS PAVEMENT REPAIRS, DRAINAGE IMPROVEMENTS, PAVEMENT MARKING AND INCIDENTALS.

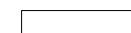
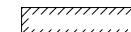
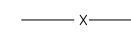
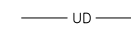
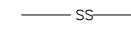
**UTILITY NOTE**

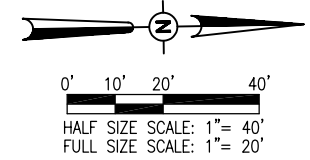
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THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. AT 1-800-892-0123 FOR UTILITY INFORMATION.

**LEGEND**

-  EXISTING PAVEMENT
-  EXISTING BUILDINGS
-  EXISTING FENCE
-  EXISTING UNDERDRAIN
-  EXISTING STORM SEWER



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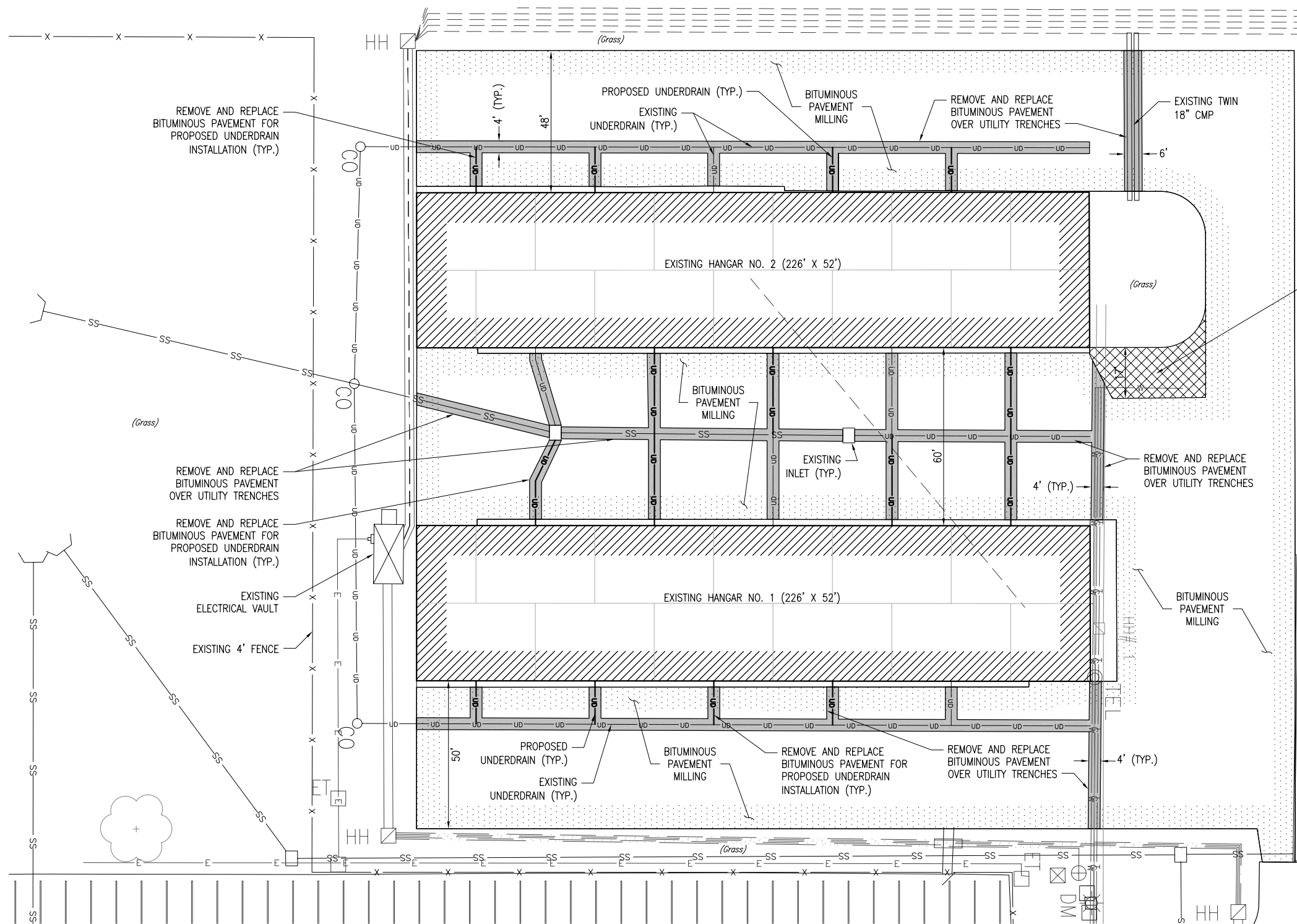
DATE	REVISION	BY

KEWANEE MUNICIPAL AIRPORT  
KEWANEE, HENRY COUNTY, ILLINOIS  
A.I.P. PROJ.: 3-17-0058-B13  
IL PROJ.: EZI-3868

HEL Project No. 08A0187D_0800	07/14/09
Filename R-101SIT.DWG	MLH
Scale 1"=20'	07/30/09
Date 08/10/09	MLH
LAYOUT	RAW
DRAWN	
REVIEWED	

**HANSON**  
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Hanson Professional Services Inc.  
1525 South Skeln Street  
Springfield, Illinois 62703-2886  
www.hanson-hinc.com  
Offices Nationwide

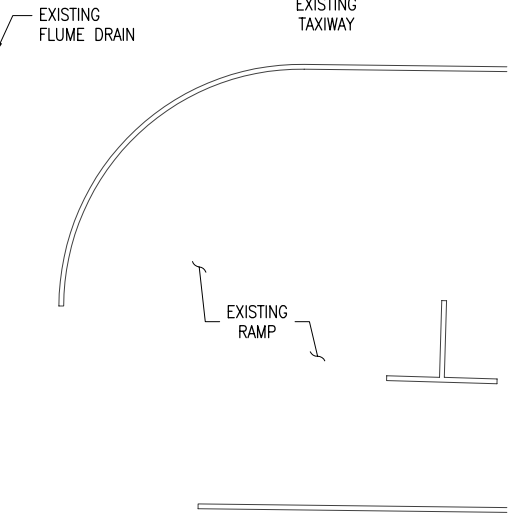
REHABILITATE  
T-HANGAR TAXIWAYS  
EXISTING SITE PLAN



THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. AT 1-800-892-0123 FOR UTILITY INFORMATION.

PROPOSED UNCLASSIFIED EXCAVATION FOR PAVEMENT EXTENSION



**BITUMINOUS PAVEMENT REMOVAL AND REPLACEMENT**  
 BITUMINOUS PAVEMENT REMOVAL AND REPLACEMENT SHALL BE UTILIZED TO REPAIR SEVERE EXISTING CRACKS AND TO REPLACE PAVEMENT REMOVED TO INSTALL THE PROPOSED UNDERDRAINS. THE AREA(S) DESIGNATED FOR BITUMINOUS PAVEMENT REMOVAL AND REPLACEMENT WILL HAVE THE EXISTING BITUMINOUS PAVEMENT REMOVED (FULL DEPTH) AND REPLACED WITH BITUMINOUS MATERIAL PRIOR TO CONSTRUCTION OF THE BITUMINOUS OVERLAY IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND THE DETAILS ON SHEET 7. THE BITUMINOUS MATERIAL USED IN THE REPLACEMENT WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED REMOVAL AND REPLACEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. ALL REMOVED MATERIAL WILL BE DISPOSED OF OFF THE AIRPORT SITE.

THE CONTRACTOR WILL LAYOUT THE AREAS FOR REMOVAL AND THE RESIDENT ENGINEER WILL VERIFY THE AREAS ARE ACCEPTABLE PRIOR TO COMMENCEMENT OF THE WORK. THE CONTRACTOR WILL BE REQUIRED TO SAWCUT THE PAVEMENT PRIOR TO REMOVAL TO AVOID DAMAGING THE ADJACENT PAVEMENT. THE SAWING WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED PAVEMENT REMOVAL AND REPLACEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. ANY ADJACENT PAVEMENT DAMAGED BY THE PAVEMENT REMOVAL AND REPLACEMENT OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE. THE REMOVAL AND REPLACEMENT SHALL BE COMPLETED PRIOR TO THE MILLING OPERATIONS.

**PAVEMENT MILLING**  
 THE AREA(S) DESIGNATED ON THIS SHEET WILL BE CUT OR TRIMMED TO A NOMINAL DEPTH OF 1-1/4" FOR THE PROPOSED BITUMINOUS OVERLAY. THE CUTTING OR TRIMMING WILL BE DONE BY ROTO-MILLING. THE TOLERANCE OF THE MILLING WILL BE AS STATED IN THE STANDARD SPECIFICATIONS.

THE EXISTING PAVEMENT WILL BE SAWED IF THE MILLING DOES NOT PROVIDE A TRUE VERTICAL FACE, OR IF THE VERTICAL FACE IS DAMAGED PRIOR TO PLACEMENT OF THE BITUMINOUS PAVEMENT. THE SAWING, IF NECESSARY, WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED PAVEMENT MILLING AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR WILL MAKE THE FIRST PASS WITH THE MILL AND COORDINATE CLOSELY WITH THE RESIDENT ENGINEER TO ENSURE THAT THE MILLING OPERATIONS REMOVE THE NOMINAL 1-1/4" DEPTH, WHICH SHOULD RESULT IN AN APPROXIMATE REMAINING DEPTH OF EXISTING SURFACE COURSE OF 3/4". IF AREAS OF THE EXISTING SURFACE COURSE REMAIN AFTER CLEANUP THAT APPEAR WILL DELAMINATE DURING PAVING, THE ENGINEER SHALL BE CONTACTED AND AUTHORIZATION TO INCUR ADDITIONAL EFFORT AND RESULTING MATERIAL OBTAINED.

**PAVEMENT MILLING (CONT.)**  
 ALL MILLED MATERIAL WILL BE DISPOSED OF ON THE AIRPORT SITE, AT THE LOCATION INDICATED ON THE SAFETY PLAN. ALL DEBRIS WILL BE DISPOSED OF OFF-SITE.

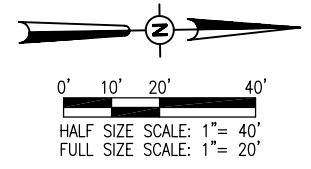
PRIOR TO APPLYING THE BITUMINOUS OVERLAY ALL MILLED MATERIAL WILL BE BROOMED AND BLOWN CLEAN AND A BITUMINOUS TACK COAT APPLIED. THE VERTICAL FACE OF ALL SAW CUTS WILL BE PAINTED WITH A LIQUID ASPHALT.

ANY ADJACENT PAVEMENT DAMAGED BY THE MILLING OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.

ALL BITUMINOUS PAVEMENT MILLING AREAS WILL BE LOCATED AND MARKED BY THE RESIDENT ENGINEER.

BITUMINOUS PAVEMENT MILLING SHALL BE PAID FOR UNDER ITEM AR401650, BITUMINOUS PAVEMENT MILLING, PER S.Y., AND SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY TO COMPLETE THE WORK.

- LEGEND**
- EXISTING PAVEMENT
  - EXISTING BUILDINGS
  - PROPOSED MILLING
  - PROPOSED BITUMINOUS REMOVAL AND REPLACEMENT
  - EXISTING FENCE
  - EXISTING UNDERDRAIN
  - PROPOSED UNDERDRAIN
  - EXISTING STORM SEWER



THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM AR401910, REMOVE AND REPLACE BITUMINOUS PAVEMENT, PER S.Y.

DATE	REVISION	BY

KEWANEE MUNICIPAL AIRPORT  
 KEWANEE, HENRY COUNTY, ILLINOIS  
 I.L. PROJ.: E2I-3868 A.I.P. PROJ.: 3-17-0058-B13

HEL Project No. 08A0187D_0800	07/14/09
Filename R-11151T.DWG	07/30/09
Scale 1"=20'	08/07/09
Date 08/10/09	
LAYOUT	MLH
DRAWN	MLH
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REHABILITATE  
 T-HANGAR TAXIWAYS  
 PROPOSED PREPARATION PLAN

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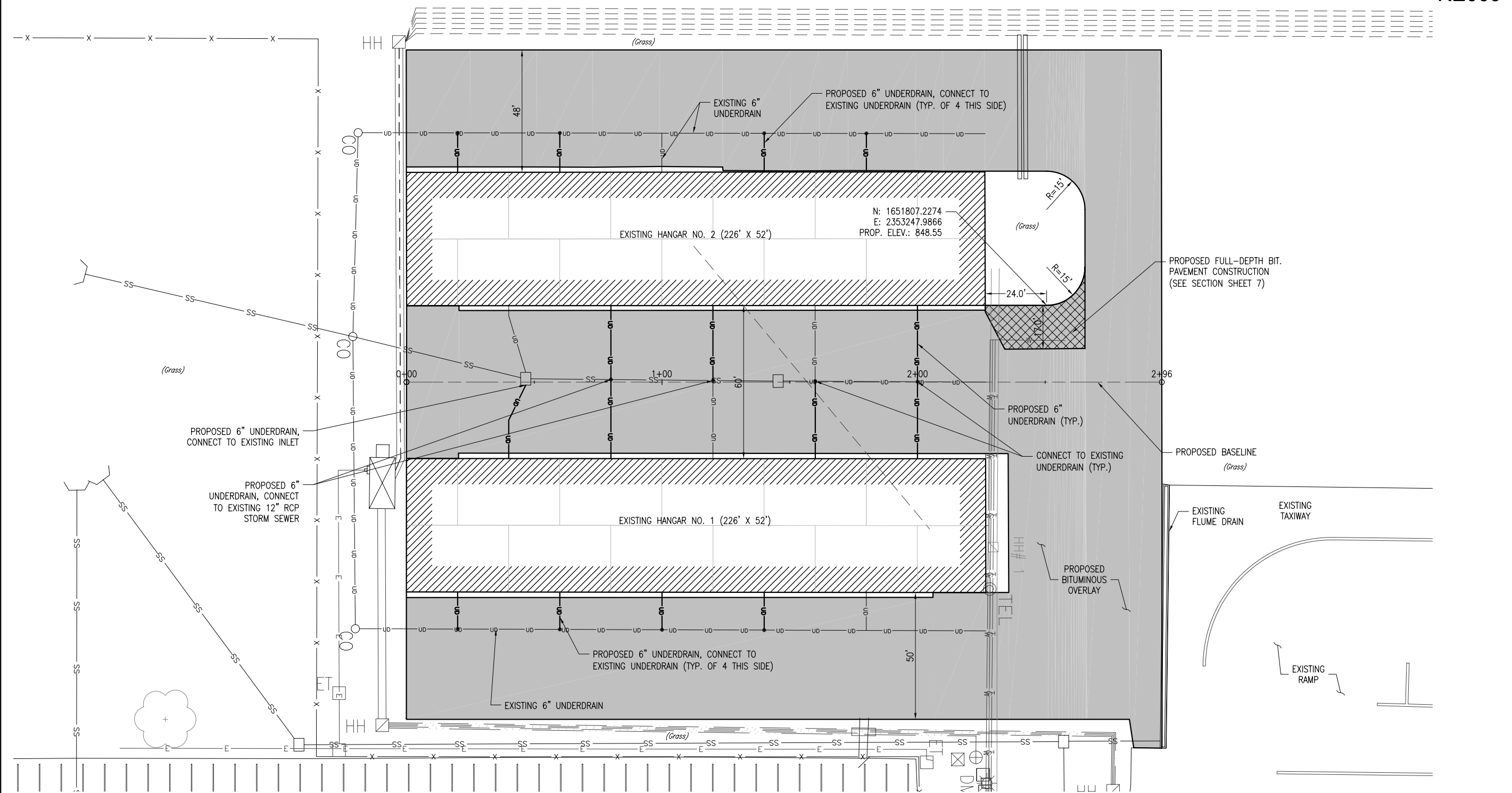
DATE	REVISION	BY

KEWANEE MUNICIPAL AIRPORT  
 KEWANEE, HENRY COUNTY, ILLINOIS  
 I.L. PROJ.: E21-3868 A.I.P. PROJ.: 3-17-0058-B13

HEL Project No. 08A0187D_0800	07/14/09
Filename R-121CON.DWG	07/30/09
Scale 1"=20'	08/07/09
Date 08/10/09	
LAYOUT	MLH
DRAWN	MLH
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 PROPOSED CONSTRUCTION PLAN



**SCOPE OF WORK**  
 THE PROPOSED IMPROVEMENTS CONSIST OF THE REHABILITATION OF THE BITUMINOUS TAXIWAY PAVEMENTS SERVING THE EXISTING T-HANGAR BUILDINGS. THE REHABILITATION SHALL INCLUDE BITUMINOUS PAVEMENT MILLING AND REPLACEMENT FOR A NOMINAL 1-1/4" DEPTH. ASSOCIATED WORK INCLUDES MISCELLANEOUS PAVEMENT REPAIRS, DRAINAGE IMPROVEMENTS, PAVEMENT MARKING AND INCIDENTALS.

**BITUMINOUS MATERIAL**  
 THE BITUMINOUS MIX SHALL COMPLY WITH CHECK SHEET NO. 21, BITUMINOUS SURFACE COURSE - METHOD 1, SUPERPAVE, OF THE RECURRING SPECIAL PROVISIONS. THE SUPERPAVE DESIGN CRITERIA SHALL UTILIZE VALUES WITHIN TABLE 2 FOR RUNWAY OR TAXIWAY PAVEMENTS FOR AIRCRAFT WEIGHING LESS THAN 60,000 LBS.

**POROUS BACKFILL**  
 POROUS BACKFILL FOR THE PROPOSED UNDERDRAINS SHALL BE CA-14 OR CA-16 FROM AN IDOT APPROVED SOURCE.

**UNDERDRAIN NOTES**  
 SIX INCH PERFORATED UNDERDRAIN (WITH SOCK) WILL BE INSTALLED AS DETAILED ON SHEETS 7 AND 8 FROM EITHER THE EXISTING DRAIN PIPE OR INLET TO THE FACE OF THE HANGAR BUILDING FOR FUTURE EXTENSION INTO THE HANGAR BAYS (BY OTHERS). ALL UNDERDRAIN SHALL BE INSTALLED IN ACCORDANCE WITH ITEM 705 OF THE SUPPLEMENTAL SPECIAL PROVISIONS. UNDERDRAIN INSTALLATION SHALL BE COMPLETED PRIOR TO MILLING OPERATIONS.

THE UNDERDRAIN TRENCH SHALL BE ALIGNED WITH THE CENTER OF THE RESPECTIVE HANGAR BAY. THE PROPOSED UNDERDRAIN SHALL BE CONNECTED TO THE EXISTING UNDERDRAIN PIPE USING STANDARD PIPE FITTINGS (T-CONNECTIONS), AS APPLICABLE. WHERE THE PROPOSED UNDERDRAIN WILL BE CONNECTED TO THE EXISTING RCP PIPE OR INLETS, THE CONTRACTOR SHALL CORE A HOLE IN THE EXISTING STRUCTURE OR PIPE AND GROUT SHALL BE USED TO PROVIDE A WATERTIGHT CONNECTION PRIOR TO BACKFILLING. THE CONNECTIONS MADE SHALL BE TO THE SATISFACTION OF THE RESIDENT ENGINEER.

FOLLOWING INSTALLATION OF THE PIPE, THE TRENCH SHALL BE BACKFILLED TO THE BOTTOM OF THE EXISTING AGGREGATE BASE WITH POROUS BACKFILL AND CONSOLIDATED TO THE SATISFACTION OF THE RESIDENT ENGINEER. AGGREGATE BASE AND BITUMINOUS SURFACE COURSE SHALL BE PLACED AND COMPACTED TO MATCH THE EXISTING PAVEMENT STRUCTURE. THE BITUMINOUS BACKFILL SHALL BE LEFT FLUSH WITH THE EXISTING PAVEMENT SURFACE TO ALLOW FOR THE MILLING AND PLACEMENT OF THE BITUMINOUS OVERLAY FOLLOWING COMPLETION OF THE UNDERDRAIN INSTALLATION. THE POROUS BACKFILL SHALL BE INCLUDED IN THE COST OF THE UNDERDRAIN PIPE. THE AGGREGATE BASE AND BITUMINOUS MATERIAL SHALL BE PAID FOR AS PART OF ITEM AR401910, REMOVE AND REPLACE BIT. PAVEMENT, PER S.Y.

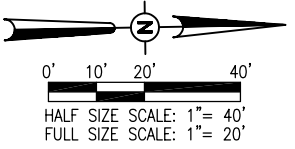
UNDERDRAIN INSTALLATION SHALL BE PAID FOR UNDER ITEM AR70526, 6" PERFORATED UNDERDRAIN W/ SOCK, PER L.F., AND SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY TO COMPLETE THE WORK.

**LEGEND**

	EXISTING PAVEMENT
	PROPOSED IMPROVEMENTS
	PROPOSED FULL-DEPTH BITUMINOUS PAVEMENT CONSTRUCTION
	EXISTING BUILDINGS
	EXISTING FENCE
	EXISTING UNDERDRAIN
	PROPOSED UNDERDRAIN
	EXISTING STORM SEWER

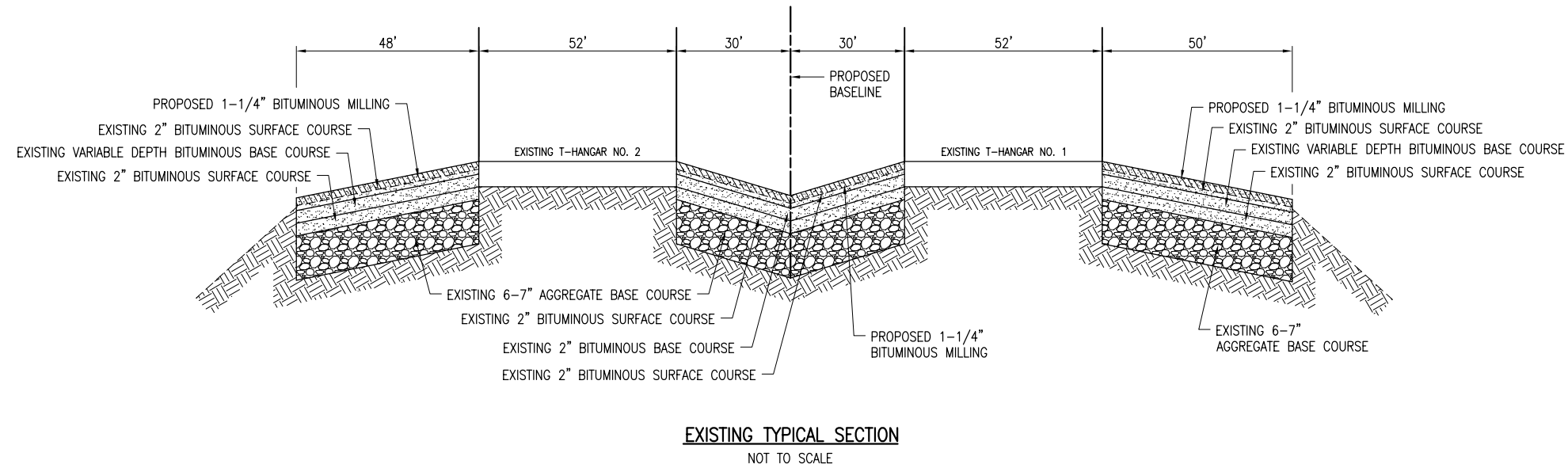
THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. AT 1-800-892-0123 FOR UTILITY INFORMATION.



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BY	
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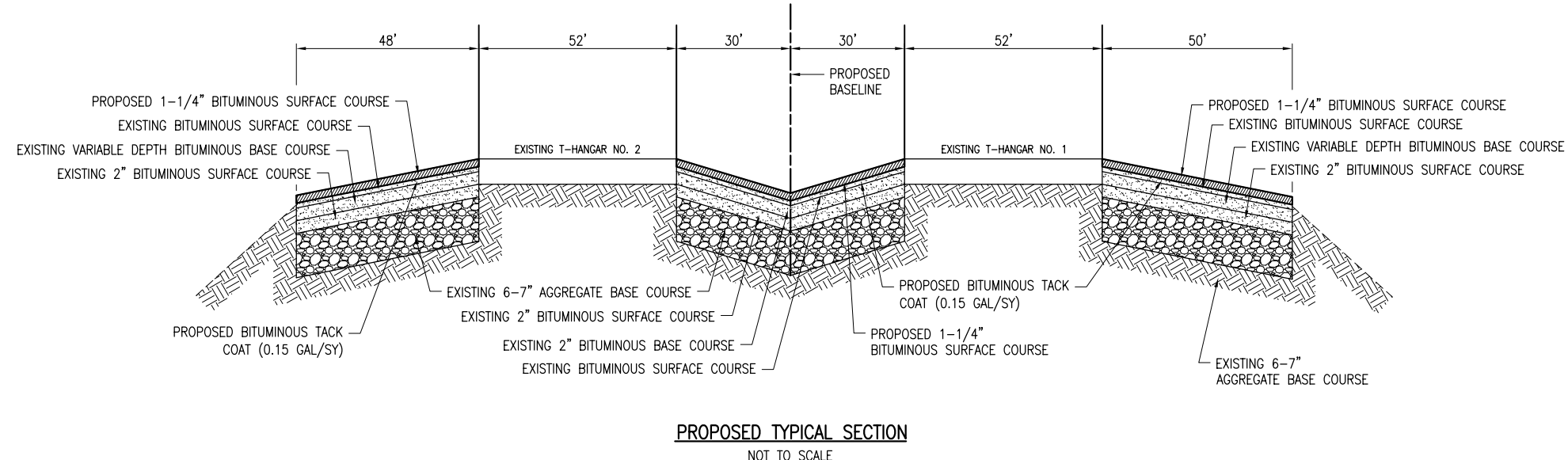
**BITUMINOUS TACK COAT**  
 PRIOR TO THE PLACEMENT OF THE PROPOSED 401 BITUMINOUS SURFACE COURSE, THE AREAS TO BE PAVED WILL BE SPRAYED WITH AN APPLICATION OF A BITUMINOUS TACK COAT. AN APPLICATION RATE OF 0.15 GALLONS PER SQUARE YARD WAS USED FOR CALCULATING THE QUANTITY OF TACK COAT FOR THIS APPLICATION. THE EXACT AMOUNT OF BITUMINOUS TACK COAT TO BE USED SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

IN ADDITION, THE VERTICAL FACES OF THE EXISTING PAVEMENT TO BE PAVED AGAINST SHALL BE CLEANED AND SPRAYED WITH AN APPLICATION OF BITUMINOUS TACK COAT PRIOR TO PAVING.

BITUMINOUS TACK COAT WILL BE PAID FOR UNDER ITEM AR603510, BITUMINOUS TACK COAT, PER GAL.

**BITUMINOUS PRIME COAT**  
 PRIOR TO THE PLACEMENT OF THE BITUMINOUS PAVEMENT FOR THE FULL DEPTH PAVEMENT EXTENSION OR THE BITUMINOUS PAVEMENT REMOVAL AND REPLACEMENT, THE PROPOSED CRUSHED AGGREGATE BASE COURSE WILL BE SPRAYED WITH AN APPLICATION OF A BITUMINOUS PRIME COAT. THE BITUMINOUS PRIME COAT SHALL BE APPLIED IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

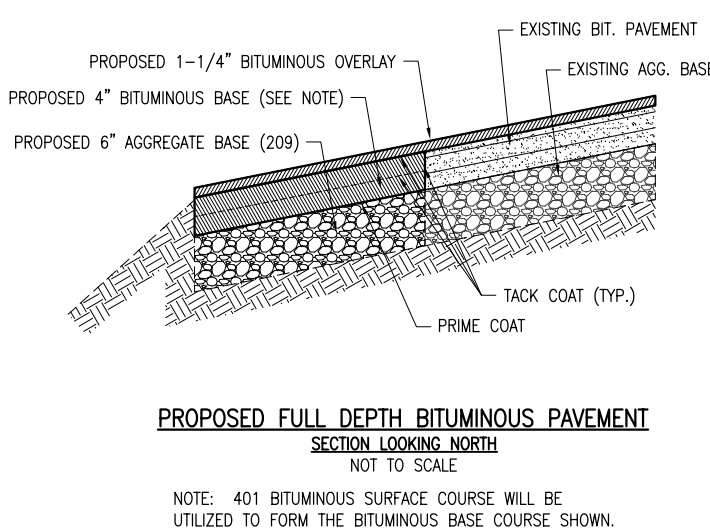
BITUMINOUS PRIME COAT WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL.



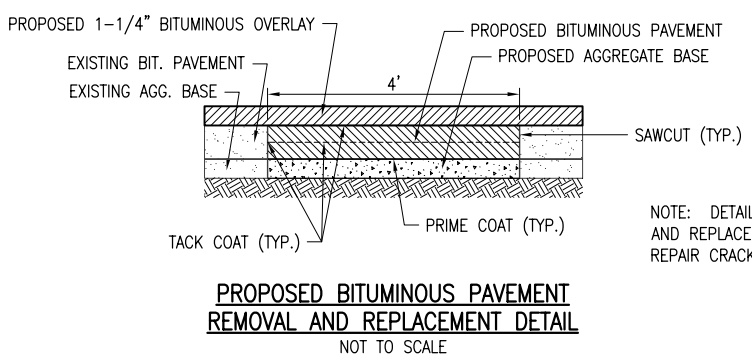
KEWANEE MUNICIPAL AIRPORT  
 KEWANEE, HENRY COUNTY, ILLINOIS  
 I.L. PROJ.: E21-3868 A.I.P. PROJ.: 3-17-0058-B13

HEL Project No. 08A0187D_0800	07/16/09
Filename R-300TYP.DWG	07/30/09
Scale NOT TO SCALE	
Date 08/10/09	
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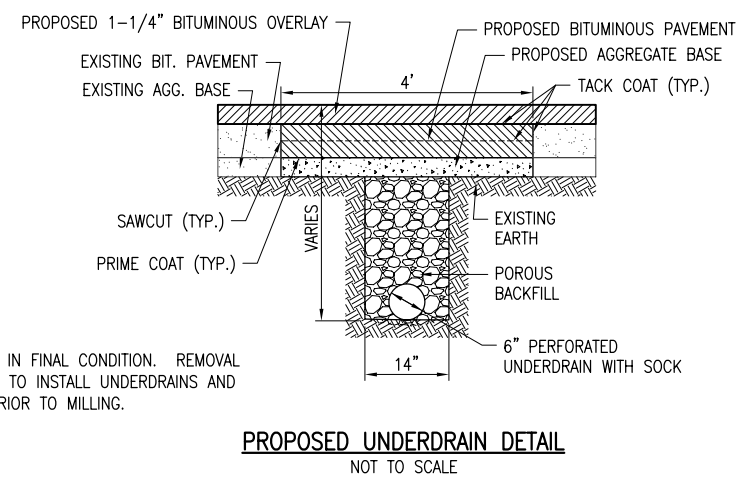
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NOTE: 401 BITUMINOUS SURFACE COURSE WILL BE UTILIZED TO FORM THE BITUMINOUS BASE COURSE SHOWN.



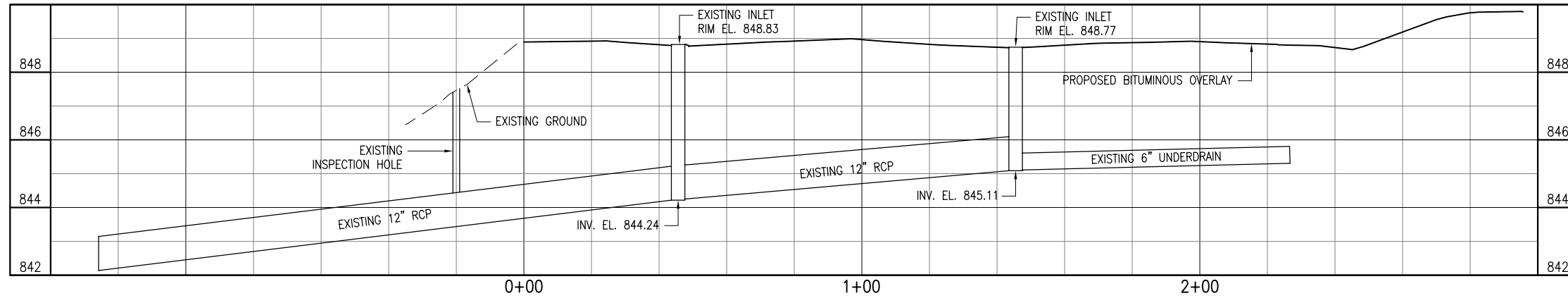
NOTE: DETAIL SHOWS PAVEMENT IN FINAL CONDITION. REMOVAL AND REPLACEMENT OF PAVEMENT TO INSTALL UNDERDRAINS AND REPAIR CRACKS SHALL OCCUR PRIOR TO MILLING.



AUG 11, 2009 1:22 PM HARRI01115 I:\AIRPORTS\KEWANEE\08A0187D\CADD\AIRPORT\_SHEET\R-300TYP.DWG

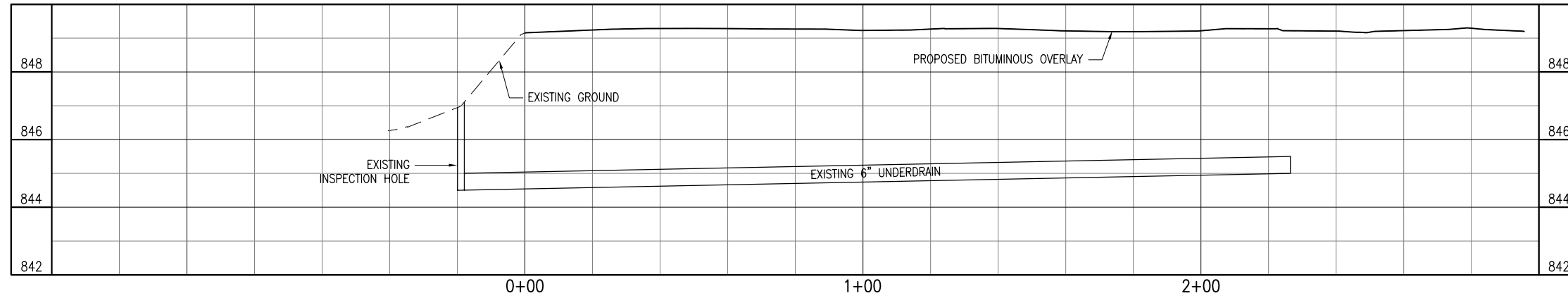
REHABILITATE T-HANGAR TAXIWAYS  
 PROPOSED TYPICAL SECTIONS AND CONSTRUCTION DETAILS

BY	
REVISION	
DATE	



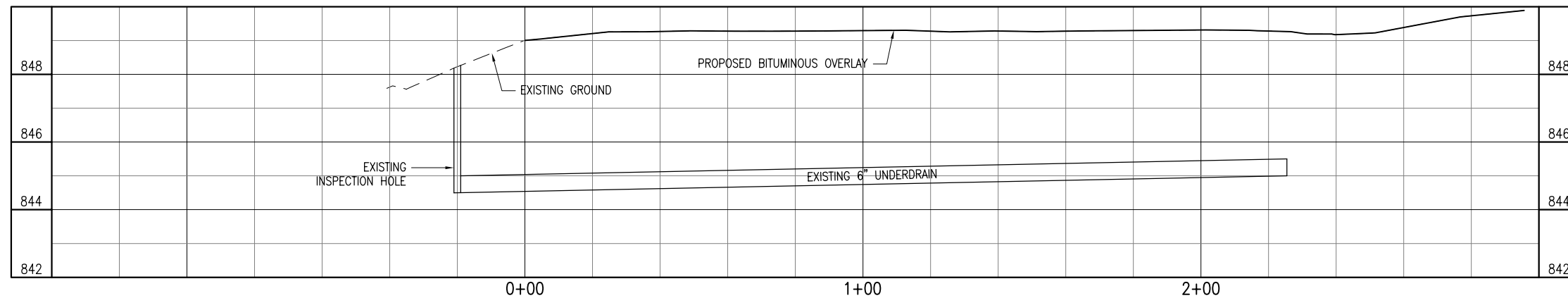
EXISTING DRAINAGE PROFILE - CENTER TAXILANE

SCALE: 1"=20'H 1"=2'V



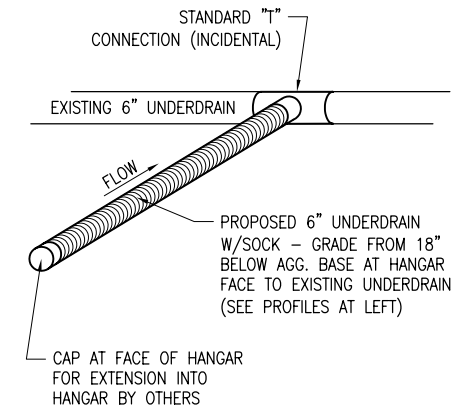
EXISTING DRAINAGE PROFILE - WEST TAXILANE

SCALE: 1"=20'H 1"=2'V



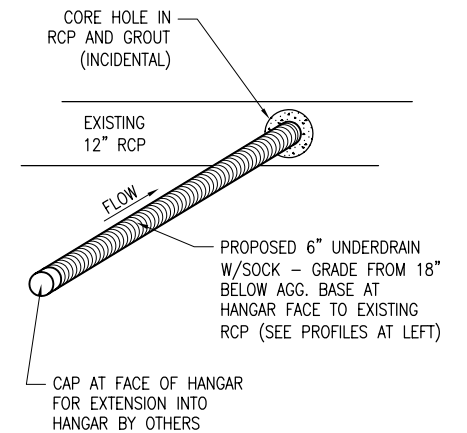
EXISTING DRAINAGE PROFILE - EAST TAXILANE

SCALE: 1"=20'H 1"=2'V



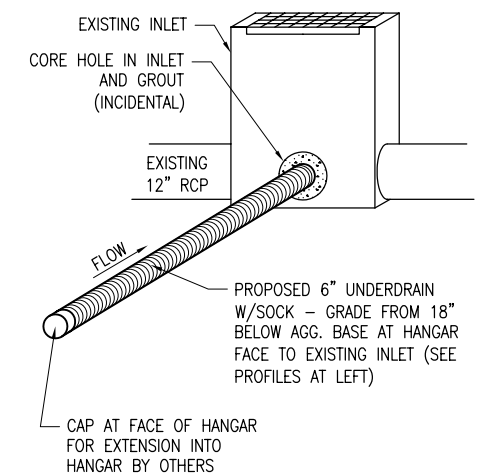
UNDERDRAIN INSTALLATION DETAIL AT EXISTING UNDERDRAIN

NOT TO SCALE



UNDERDRAIN INSTALLATION DETAIL AT EXISTING RCP

NOT TO SCALE



UNDERDRAIN INSTALLATION DETAIL AT EXISTING INLET

NOT TO SCALE

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KEWANEE, HENRY COUNTY, ILLINOIS  
A.I.P. PROJ.: 3-17-0058-B13  
I.L. PROJ.: EZI-3868

HEL Project No.	08A0187D_0800	
Filename	R-141DRN.DWG	
Scale	AS SHOWN	
Date	08/10/09	
LAYOUT	MLH	07/30/09
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REHABILITATE  
T-HANGAR TAXIWAYS  
PROPOSED DRAINAGE DETAILS

NOTE: EXISTING DRAINAGE INFORMATION BASED ON INFORMATION PROVIDED, IN PART, FROM EXISTING RECORDS. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS AT THE BEGINNING OF THE WORK AND SHOULD IMMEDIATELY NOTIFY THE RESIDENT ENGINEER, IN WRITING, OF ANY DISCREPANCIES.



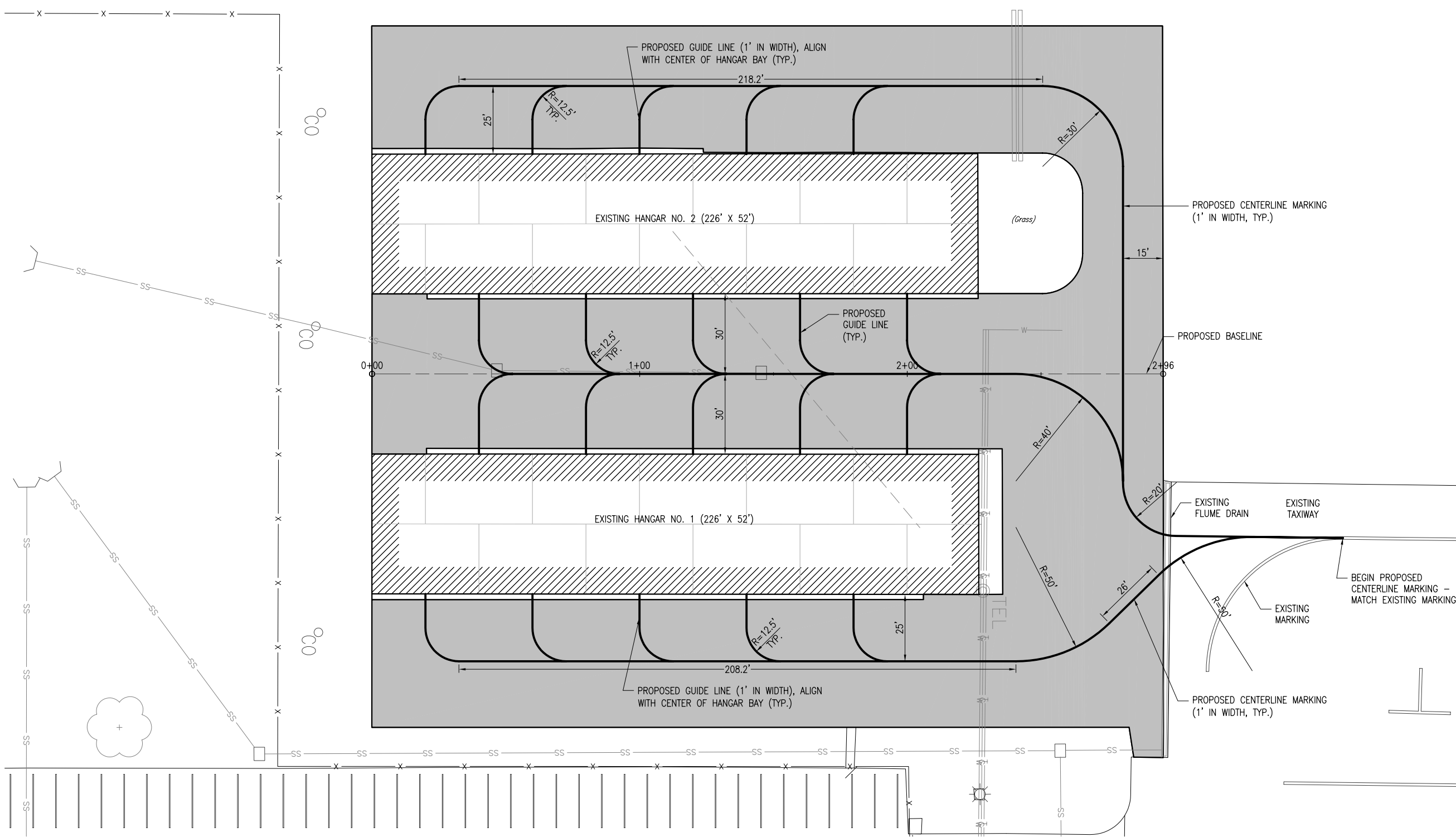
DATE	REVISION	BY

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 I.L. PROJ.: E2I-3868 A.I.P. PROJ.: 3-17-0058-B13

HEL Project No. 08A0187D_0800	07/14/09
Filename R-131MRK.DWG	MLH
Scale 1"=20'	07/30/09
Date 08/10/09	MLH
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REHABILITATE  
 T-HANGAR TAXIWAYS  
 PROPOSED PAVEMENT  
 MARKING PLAN



**PAVEMENT MARKING NOTES**

ALL PROPOSED TAXIWAY CENTERLINE/LEAD-IN MARKINGS SHALL BE SOLID, 12" IN WIDTH, YELLOW IN COLOR AND SHALL BE OUTLINED WITH 6" BLACK BORDER.

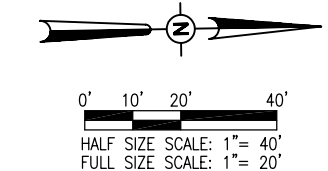
ALL PROPOSED MARKING WILL BE PAINTED WITH TWO APPLICATIONS. ALL PROPOSED MARKING (EXCEPT FOR BLACK BORDERS) WILL BE APPLIED WITH A REFLECTIVE MEDIA ON THE SECOND APPLICATION. APPLICATION RATES WILL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF ALL PROPOSED MARKING.

CUT-OFF SHEETS WILL BE REQUIRED TO ENSURE STRAIGHT EDGES.

PAVEMENT MARKING WILL BE PAID FOR UNDER ITEM AR620520, PAVEMENT MARKING-WATERBORNE, PER S.F..

BLACK BORDER WILL BE PAID FOR UNDER ITEM AR620525, PAVEMENT MARKING-BLACK BORDER, PER S.F..



**LEGEND**

	EXISTING PAVEMENT
	PROPOSED IMPROVEMENTS
	EXISTING BUILDINGS
	EXISTING FENCE
	PROPOSED MARKING
	EXISTING MARKING

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