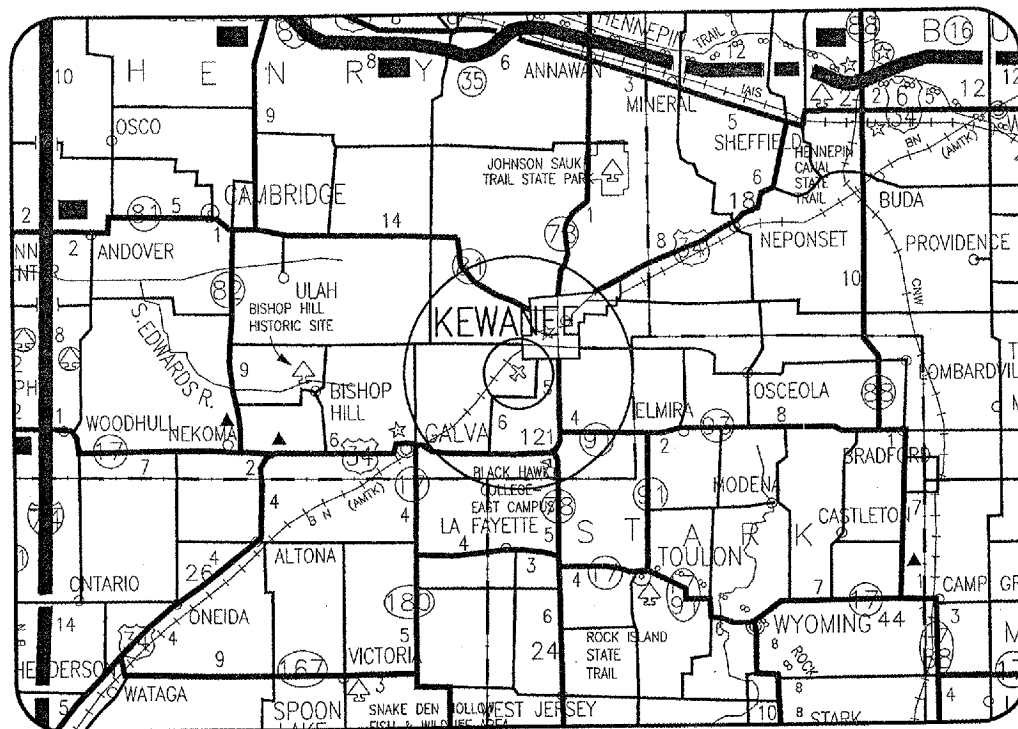


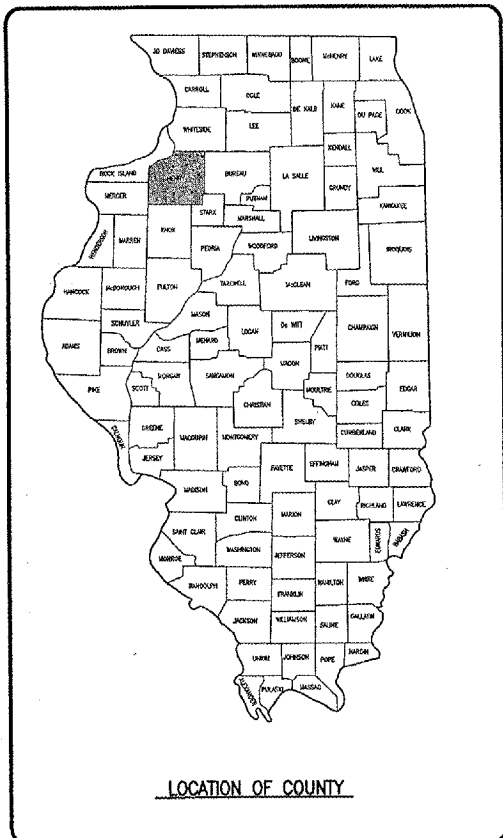
CONSTRUCTION PLANS FOR KEWANEE MUNICIPAL AIRPORT KEWANEE, HENRY COUNTY, ILLINOIS OVERLAY TAXIWAY "B", "C", AND THE APRON

SCOPE OF WORK

THE PROPOSED IMPROVEMENTS INCLUDE THE CONSTRUCTION OF A BITUMINOUS OVERLAY TO TAXIWAY "B" AND "C" AND THE WESTERN HALF OF THE AIRCRAFT APRON, INSTALLATION OF EDGE DRAINS ADJACENT TO THE SOUTHERN PORTION OF TAXIWAY "B", AND THE REHABILITATION OF THE TAXIWAY "B" AND "C" MEDIUM INTENSITY TAXIWAY LIGHTING (MITL) SYSTEM.

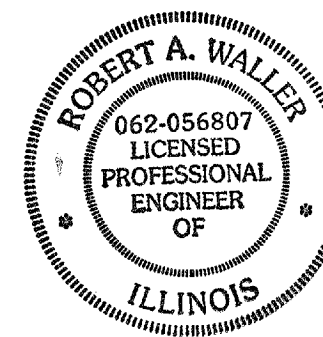


LOCATION



ILL. PROJ. EZI-3533
A.I.P. PROJ. 3-17-0058-B10

LATITUDE: 41° 12' 19"
LONGITUDE: 89° 57' 50"
ELEVATION: 858.0' M.S.L.
DATE: APRIL 28, 2006



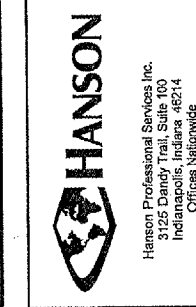
PLANS PREPARED BY:
HANSON
Hanson Professional Services Inc.
AIRPORT ENGINEER
Submitted by: *R.A. Waller* ENG'R
Date Submitted: 04/27/06
Lic. Exp. Date: 11/30/2007

KEWANEE AIRPORT AUTHORITY
Approved: *Richard Jersburg* CHAIRMAN
Date: 11/19/06
Approved: *Jody M. Wetmore* SECRETARY
Date: 11/19/06

REVISION	DATE	BY

KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS
A.I.P. PROJ.: 3-17-0058-B10
ILL. PROJ.: EZI-3533

FILE PROJECT NO.	FILE NUMBER	STATE	DATE	LAYOUT	DRAWN	REVIEWED
810-06TXD-0800	R-001COV.DWG	IL	08/01/05			



OVERLAY TAXIWAYS
AND APRON
COVER SHEET

SCOPE OF WORK

THE PROPOSED IMPROVEMENTS INCLUDE THE CONSTRUCTION OF A BITUMINOUS OVERLAY TO TAXIWAY "B" AND "C" AND THE WESTERN HALF OF THE AIRCRAFT APRON, INSTALLATION OF EDGE DRAINS ADJACENT TO THE SOUTHERN PORTION OF TAXIWAY "B", AND THE REHABILITATION OF THE TAXIWAY "B" AND "C" MEDIUM INTENSITY TAXIWAY LIGHTING (MITL) SYSTEM.

CONTRACTOR'S 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 MANAGER WILL AT ALL TIMES HAVE JURISDICTION OVER THE SAFETY OF AIR TRAFFIC DURING CONSTRUCTION.

IDENTIFICATION - THE CONTRACTOR IS REQUIRED TO MARK ALL VEHICLES AND EQUIPMENT USED FOR CONSTRUCTION WITH 3 FT. SQUARE, INTERNATIONAL ORANGE AND WHITE CHECKERED FLAGS ANYTIME THEY ARE ON AIRPORT PROPERTY.

ALL CONTRACTOR PERSONNEL SHALL HAVE IDENTIFICATION MAKING IT OBVIOUS THAT THEY ARE A PART OF THE CONSTRUCTION CREW.

THE CONTRACTOR, HIS EMPLOYEES, AND EQUIPMENT SHALL BE RESTRICTED TO THE PROJECT WORK AREA.

RADIO CONTROL - THE CONTRACTOR IS REQUIRED TO BE IN TWO-WAY RADIO CONTACT WITH THE KEWANEE MUNICIPAL AIRPORT UNICOM (122.80 MHZ) WHENEVER HIS PERSONNEL IS ON THE AIRPORT PROPERTY.

EQUIPMENT PARKING AND STORAGE - THE CONTRACTOR'S EQUIPMENT PARKING, MATERIAL STORAGE, AND EMPLOYEE PARKING WILL BE AT THE LOCATION SHOWN ON THIS DRAWING. ONLY VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION WILL BE PERMITTED TO LEAVE THESE AREAS.

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 EXISTING PAVEMENTS CAUSED BY HIS PERSONNEL OR EQUIPMENT.

150-ENGINEER'S FIELD OFFICE NOTES

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE FURNISHED, MAINTAINED, AND REMOVED IN ACCORDANCE WITH ITEM AR150510 "ENGINEER'S FIELD OFFICE" AS STATED ON PAGE 168 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

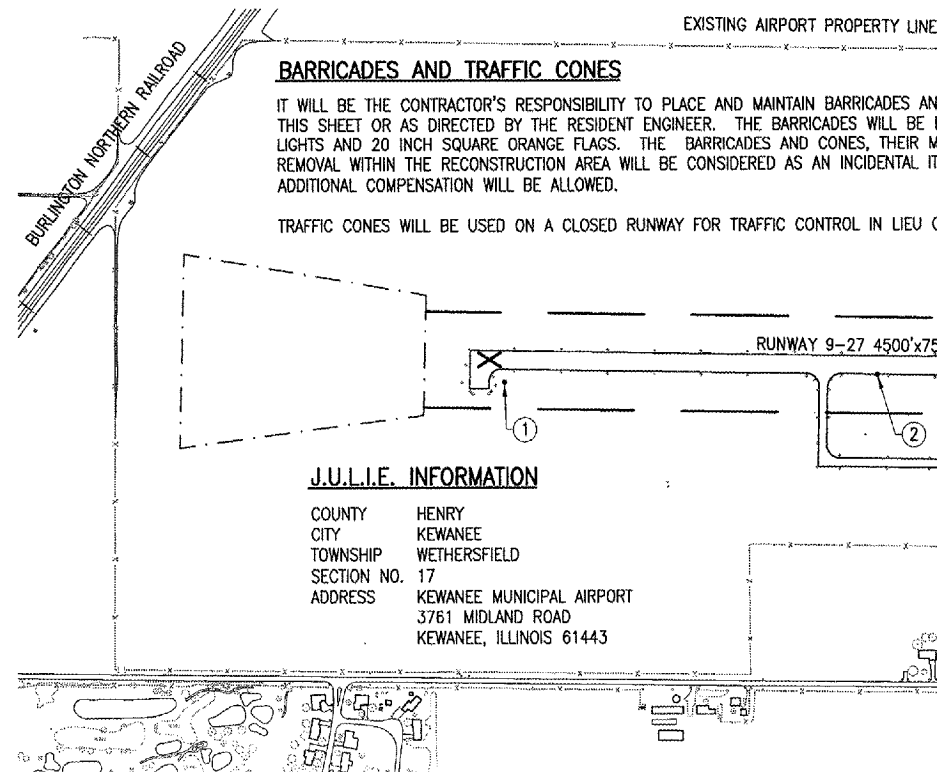
THE LOCATION OF THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.

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

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE PAID FOR UNDER ITEM:
AR150510 ENGINEER'S FIELD OFFICE ____ 1 L.S.

FLAG-MEN

WHEN RUNWAY 1-19 IS CLOSED AND CONSTRUCTION TRAFFIC IS REQUIRED TO CROSS THE OPEN RUNWAY, RUNWAY 9-27, THE CONTRACTOR WILL USE FLAG-MEN, EQUIPPED WITH RADIOS, TO DIRECT TRUCK TRAFFIC ACROSS RUNWAY 9-27. THE FLAG-MEN MUST HAVE THE COMMUNICATION EQUIPMENT CAPABLE OF CHANGING FREQUENCIES TO CONTACT EACH OTHER AND THE AIRPORT UNICOM (122.80 MHZ). THE REQUIRED USE OF FLAGMEN WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



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 RESIDENT ENGINEER. THE BARRICADES WILL BE EQUIPPED WITH RED STEADY BURN LIGHTS AND 20 INCH SQUARE ORANGE FLAGS. THE BARRICADES AND CONES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WITHIN THE RECONSTRUCTION AREA WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

TRAFFIC CONES WILL BE USED ON A CLOSED RUNWAY FOR TRAFFIC CONTROL IN LIEU OF BARRICADES.

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

HORIZONTAL AND VERTICAL DATA

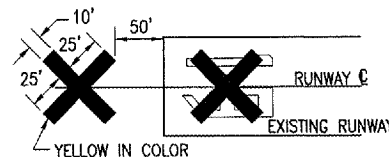
NO.	DESCRIPTION	NORTHING	EASTING	ELEV.
1	KEWPORT AZ (NGS) MARKER, ALUM. ROD	1,652,491.649	2,349,792.846	850.62
2	CHISELED "□" ON INSPECTION HOLE	-	-	848.87
3	KEWPORT (NGS) MARKER, ALUM. ROD	1,652,431.715	2,352,728.103	854.13
4	CHISELED "□" ON EAST END OF CONC. SIGN BASE	-	-	854.76
5	CHISELED "□" ON WEST END OF CONC. SIGN BASE	-	-	851.21

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.

TEMPORARY RUNWAY CLOSURE NOTE

COST OF CONSTRUCTING, PLACING, MAINTAINING AND REMOVING CROSSES WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CROSSES WILL BE YELLOW IN COLOR AND SHALL BE MADE OF A SUITABLE MATERIAL AS APPROVED BY THE RESIDENT ENGINEER. THE CROSSES WILL BE PLACED EACH DAY THE RUNWAY IS CLOSED AND REMOVED WHEN THE RUNWAY IS RE-OPENED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PLACEMENT AND REMOVAL OF THE CROSSES. NO ADDITIONAL COMPENSATION TO THE CONTRACT WILL BE ALLOWED.



DETAIL OF CROSS FOR CLOSED RUNWAY

"NOT TO SCALE"

RUNWAY CLOSURE PROCEDURES:

- * CONTACT THE AIRPORT MANAGER OR HIS ASSIGNED REPRESENTATIVE.
- * ISSUANCE OF NOTAM BY THE AIRPORT MANAGER OR HIS ASSIGNED REPRESENTATIVE.
- * PLACEMENT OF CROSSES (SEE DETAIL THIS SHEET).
- * PLACEMENT OF LIGHTED BARRICADES. ONLY AT THE TIME THAT ALL OF THE ABOVE ARE COMPLETED MAY ANY CONSTRUCTION OPERATIONS WITHIN 200 FT. OF THE AFFECTED RUNWAY CENTERLINE BEGIN.

RUNWAY RE-OPENING PROCEDURES:

- * REMOVE CROSSES.
- * REMOVE LIGHTED BARRICADES.
- * NOTIFY THE AIRPORT MANAGER OR HIS REPRESENTATIVE TO CANCEL THE NOTAM.
- * CANCELLATION OF THE NOTAM. A CLOSED RUNWAY WILL NOT BE RE-OPENED UNTIL ALL EQUIPMENT AND WORK ARE FURTHER THAN 200 FT. FROM THE AFFECTED RUNWAY CENTERLINE.

RUNWAY AND TAXIWAY CLOSURE NOTE:

RUNWAY 9-27 AND 1-19 WILL BE CLOSED ANY TIME CONSTRUCTION ACTIVITIES ARE REQUIRED WITHIN 200' OF THE RESPECTIVE RUNWAY CENTERLINE, IN ACCORDANCE WITH THE PROCEDURES SHOWN ON THIS PROPOSED SAFETY PLAN. HOWEVER, ONE RUNWAY WILL REMAIN OPEN WHEN THE OTHER IS CLOSED, THROUGH THE USE OF FLAGMEN, WHERE NECESSARY. TAXIWAY "B" AND "C", AS WELL AS THE PORTION OF THE RAMP AFFECTED BY THE PROJECT, WILL BE CLOSED FOR THE DURATION OF THE PROJECT.

AIRCRAFT OPERATION LINE

THE RESIDENT ENGINEER WILL ESTABLISH THE AIRCRAFT OPERATIONAL AREA FOR EACH OF THE AIRPORT RUNWAYS BY PLACING A ROW OF LATH, 200 FT. FROM EACH OF THE CENTERLINES. NO PERSONNEL OR EQUIPMENT WILL CROSS THE LATH ROW WITHOUT CLOSING THE RESPECTIVE RUNWAY.

HEIGHT OF CONSTRUCTION EQUIPMENT

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FT. THE TALLEST EQUIPMENT IS EXPECTED TO BE A SEMI-TRACTOR AND TRAILER.

HAUL ROUTE AND EQUIPMENT PARKING

THE CONTRACTOR IS REQUIRED TO CONSTRUCT A TEMPORARY HAUL ROUTE AND EQUIPMENT PARKING AREA IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND AT THE LOCATION SHOWN ON THIS SHEET. THE HAUL ROUTE AND EQUIPMENT PARKING AREA SHALL BE ESTABLISHED AS FAR SOUTH AND EAST OF RUNWAY 1-19 AS IS PRACTICAL.

THE DESIGNATED HAUL ROUTE SHALL BE THE ONLY ACCESS USED BY THE CONTRACTOR OR HIS EMPLOYEES.

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

THE CONTRACTOR AND HIS PERSONNEL SHALL ACCESS THE AIRPORT THROUGH AN EXISTING GATE LOCATED OFF MIDLAND ROAD. THE CONTRACTOR WILL ENSURE THE GATE IS CLOSED AND LOCKED AT THE END OF EACH DAY.

ALL WORK ASSOCIATED WITH THE PROPOSED HAUL ROUTE SHALL BE CONSIDERED INCIDENTAL TO AR150540 - HAUL ROUTE.

EROSION CONTROL

THE PROPOSED CONSTRUCTION WILL DISTURB MORE THAN 1 ACRES OF LAND, THEREFORE AN EROSION CONTROL PLAN AND AN NPDES PERMIT ARE REQUIRED.

LEGEND

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

CRITICAL POINT DATA

CRITICAL POINT 1
LATITUDE - 41° 12' 12.08227"
LONGITUDE - 89° 57' 37.36973"
ELEVATION - 854.90

CRITICAL POINT 2
LATITUDE - 41° 12' 18.03385"
LONGITUDE - 89° 57' 37.26742"
ELEVATION - 856.31

CRITICAL POINT 3
LATITUDE - 41° 12' 25.08439"
LONGITUDE - 89° 57' 38.28434"
ELEVATION - 851.59

KE007

REVISION	DATE	BY

KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS

IL PROJ.: E2I-3533 A.I.P. PROJ.: 3-17-0058-B10

180 Project No. 810-08TYD 0800	Drawn R-1015AF.DWG	Scale 1" = 400'	Date 08/01/05
LAYOUT	R.A.W.	08/01/05	
DRAWN	B.A.K.	08/01/05	
REVIEWED	C.A.H.	04/27/06	



Hanson Professional Services Inc.
3125 Dandy Trail, Suite 100
Indianapolis, Indiana 46214
Offices Nationwide

OVERLAY TAXIWAYS AND APRON
PROPOSED SAFETY PLAN

BY	
REVISION	
DATE	

Kewanee Municipal Airport
Kewanee, Henry County, Illinois

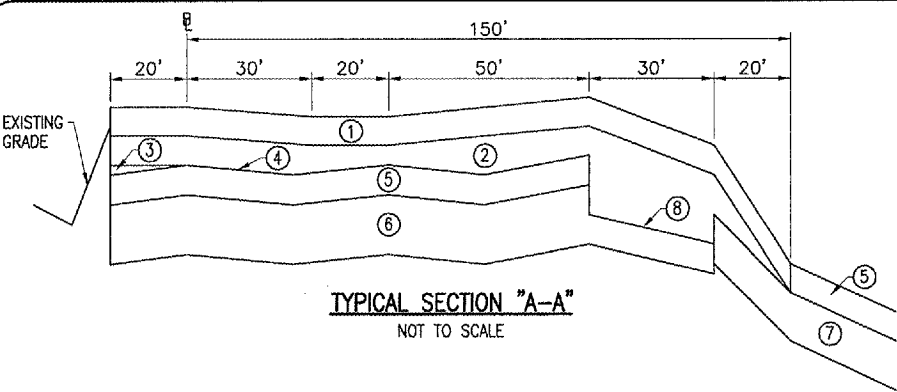
IL PROJ.: E2I-3533 A.I.P. PROJ.: 3-17-0058-B10

HL Project No.	810-061XXD.0800
File Name	R-111PRE.DWG
Scale	1"=30'
Date	08/25/05
LAYOUT	R.A.W. 08/25/05
DRAWN	B.A.K. 08/25/05
REVIEWED	C.A.H. 04/27/06



Hanson Professional Services Inc.
3125 Dandy Trail, Suite 100
Indianapolis, Indiana 46214
Offices Nationwide

OVERLAY TAXIWAYS AND APRON
PROPOSED PAVEMENT PREPARATION PLAN
STA. 4+00 TO STA. 12+00



LEGEND FOR TYPICAL SECTION "A-A"

- ① EXISTING BITUMINOUS SURFACE CSE. (2" DEPTH)
- ② EXISTING BITUMINOUS BASE CSE. (2" MAX. DEPTH)
- ③ EXISTING BITUMINOUS LEVELING CSE. (VAR. DEPTH)
- ④ EXISTING BITUMINOUS TACK COAT
- ⑤ EXISTING BITUMINOUS SURFACE CSE. (2" DEPTH)
- ⑥ EXISTING CRUSHED AGG. BASE CSE. (7" DEPTH)
- ⑦ EXISTING BITUMINOUS BASE CSE. (6" DEPTH)
- ⑧ EXISTING BITUMINOUS PRIME COAT

REMOVE AND REPLACE BITUMINOUS PAVEMENT

THE ITEM "REMOVE AND REPLACE BITUMINOUS PAVEMENT" WILL BE UTILIZED TO PERFORM LARGE CRACK REPAIR.

THE QUANTITY OF CRACKS TO BE REPAIRED WAS ESTABLISHED BY THE COMPLETION OF A CRACK SURVEY (AUG. 2005), AND CONSISTS OF THOSE CRACKS FOUND TO BE GREATER THAN ONE INCH IN WIDTH AT THE TIME OF THE SURVEY, AND EXHIBITING ROLLED EDGES. ALL CRACKS TO RECEIVE REPAIR SHALL BE LOCATED AND MARKED BY THE RESIDENT ENGINEER.

THE CRACKS SHALL BE REMOVED FROM THE PAVEMENT BY ONE OF TWO METHODS, OR A COMBINATION OF THE TWO. THE FIRST ALTERNATIVE IS TO SAWCUT THE WIDTH OF THE AREA TO BE REPAIRED BY USING A WHEEL SAW AND REMOVE THE PAVEMENT TO THE SPECIFIED DEPTH USING A BACKHOE OR OTHER MECHANICAL MEANS. THE SECOND ALTERNATIVE IS TO USE A SKID STEER (OR EQUIVALENT) MOUNTED MILLING HEAD TO REMOVE THE PAVEMENT TO THE REQUIRED DEPTH. REGARDLESS OF THE METHOD USED TO REMOVE THE PAVEMENT, THE EDGE OF THE TRENCH FORMED WILL HAVE A VERTICAL FACE PRIOR TO THE PLACEMENT OF THE BITUMINOUS MATERIAL. THE WIDTH OF REPAIR WILL BE 3' WIDE, CENTERED ON THE CRACK. THE DEPTH OF REPAIR WILL BE THE FULL DEPTH OF THE EXISTING PAVEMENT.

THE CONTRACTOR WILL DISPOSE OF THE EXCAVATED MATERIAL OFF THE AIRPORT SITE AT NO ADDITIONAL COST TO THE CONTRACT.

THE BOTTOM OF THE TRENCH WILL BE CLEANED AND COMPACTED TO PREVENT FUTURE SETTLEMENT, AND ACCEPTED BY THE RESIDENT ENGINEER. ONCE THE TRENCH IS CLEANED, THE BASE AGGREGATE COMPACTED, AND ACCEPTED, AN APPLICATION OF BITUMINOUS TACK MATERIAL WILL BE APPLIED TO THE VERTICAL BITUMINOUS FACE AND THE AGGREGATE BASE. THE REPAIR TRENCH WILL BE BACKFILLED WITH BITUMINOUS SURFACE COURSE MATERIAL (401), IN LIFTS OF THICKNESS NO GREATER THAN 3". THE FINAL LIFT SHALL BE FLUSH WITH THE SURFACE OF THE EXISTING BITUMINOUS PAVEMENT OR THE CONTRACTOR WILL BE REQUIRED TO MILL THE FINAL LIFT FLUSH AT HIS EXPENSE. EACH LIFT SHALL BE COMPACTED AND ACCEPTED BY THE RESIDENT ENGINEER. NO NUCLEAR DENSITY TESTING SHALL BE REQUIRED FOR THIS TASK.

ANY DAMAGE TO THE EXISTING ADJACENT PAVEMENT WILL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. THE QUANTITY OF PAVEMENT REMOVAL, MILLING AND/OR SAWCUTS, IF UTILIZED, TACK MATERIAL, AND BITUMINOUS SURFACE COURSE MATERIAL (401) NECESSARY TO COMPLETE THIS TASK WILL BE CONSIDERED INCIDENTAL TO THE TASK, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE QUANTITY OF BITUMINOUS CRACK REPAIR TO BE PAID FOR SHALL BE THE NUMBER OF SQUARE YARDS OF PAVEMENT REMOVED AND REPLACED, IN ACCORDANCE WITH THE SPECIAL PROVISIONS, CONSTRUCTION DRAWINGS, AND ACCEPTED BY THE ENGINEER. MEASUREMENT OF BITUMINOUS CRACK REPAIR FOR PAYMENT SHALL BE TO THE NEAREST SQUARE YARD.

PAYMENT FOR THIS ITEM OF WORK WILL BE UNDER ITEM:
AR401910 "REMOVE AND REPLACE BITUMINOUS PAVEMENT" _____ 489 S.Y.

BITUMINOUS CRACK REPAIR

THE CRACKS SHOWN TO BE REPAIRED WERE OBTAINED FROM A SURVEY AUGUST 2005 AND CONSIST OF THE CRACKS IN NEED OF REPAIR AT THE TIME OF THE SURVEY. OTHER LESS SEVERE, MAINTAINED CRACKS EXIST AND WILL NOT REQUIRE FURTHER REPAIR. THE ACTUAL LENGTH AND NUMBER OF CRACKS TO BE REPAIRED AS PART OF THIS PROJECT WILL BE DESIGNATED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION. THE PROJECT QUANTITY IS BASED ON THE AMOUNT OF CRACKS SHOWN ON THIS SHEET TO BE REPAIRED.

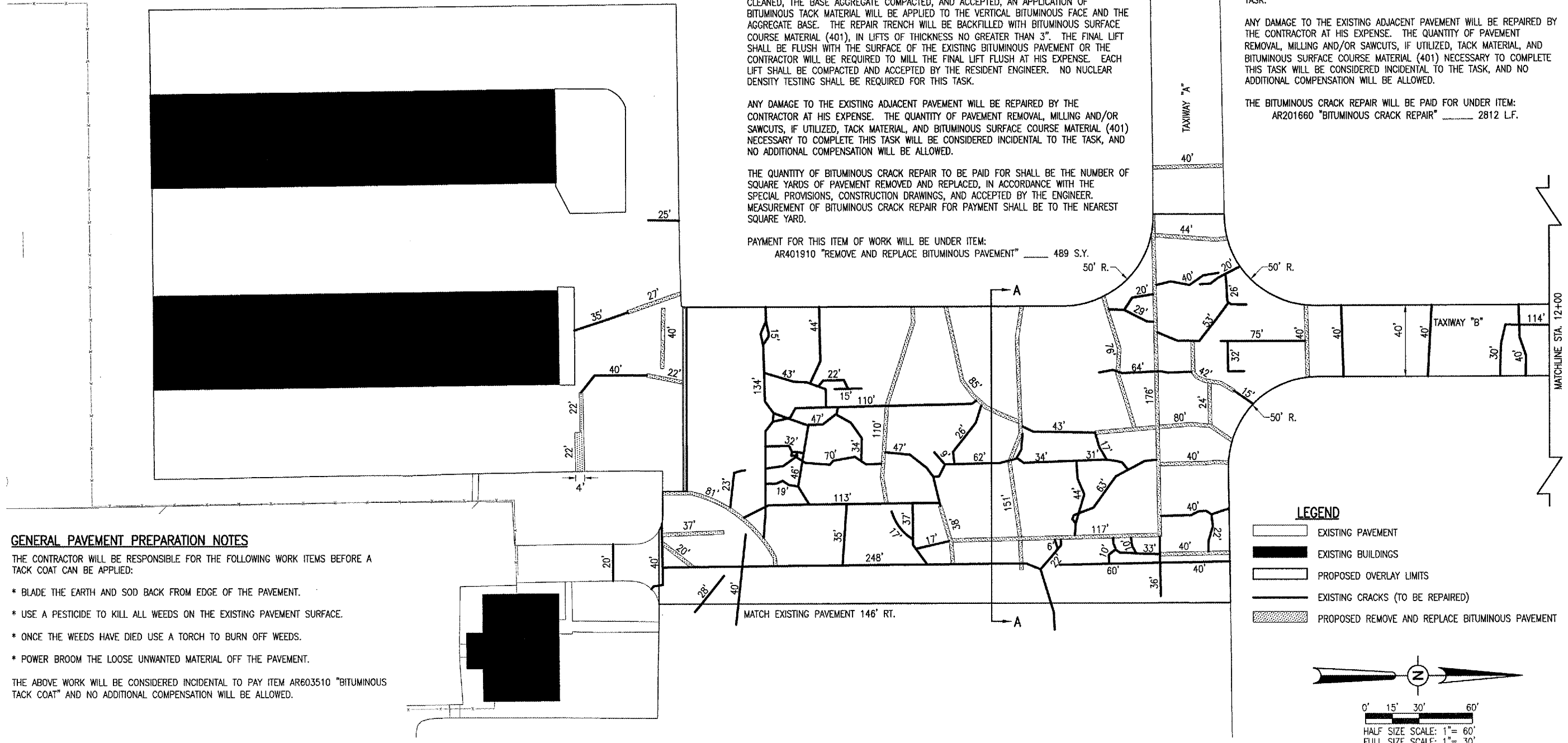
THE CRACKS SHALL BE CUT OPEN USING AN "EARTH SAW" OR "VERMEER TRENCHER" AT A WIDTH OF 10" PLUS OR MINUS 1", AND A DEPTH OF 8".

THE EXCAVATED MATERIAL WILL BE DISPOSED OF OFF THE AIRPORT SITE BY THE CONTRACTOR.

AN APPLICATION OF BITUMINOUS TACK MATERIAL WILL BE APPLIED TO THE VERTICAL BITUMINOUS FACE AND THE AGGREGATE BASE. THE REPAIR TRENCH WILL BE BACKFILLED WITH BITUMINOUS SURFACE COURSE MATERIAL (401), IN LIFTS OF THICKNESS NO GREATER THAN 3". THE FINAL LIFT SHALL BE FLUSH WITH THE SURFACE OF THE EXISTING BITUMINOUS PAVEMENT OR THE CONTRACTOR WILL BE REQUIRED TO MILL THE FINAL LIFT FLUSH AT HIS OWN EXPENSE. EACH LIFT SHALL BE COMPACTED TO THE SATISFACTION OF THE RESIDENT ENGINEER AND ACCEPTED. NO NUCLEAR DENSITY TESTING SHALL BE REQUIRED FOR THIS TASK.

ANY DAMAGE TO THE EXISTING ADJACENT PAVEMENT WILL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. THE QUANTITY OF PAVEMENT REMOVAL, MILLING AND/OR SAWCUTS, IF UTILIZED, TACK MATERIAL, AND BITUMINOUS SURFACE COURSE MATERIAL (401) NECESSARY TO COMPLETE THIS TASK WILL BE CONSIDERED INCIDENTAL TO THE TASK, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE BITUMINOUS CRACK REPAIR WILL BE PAID FOR UNDER ITEM:
AR201660 "BITUMINOUS CRACK REPAIR" _____ 2812 L.F.

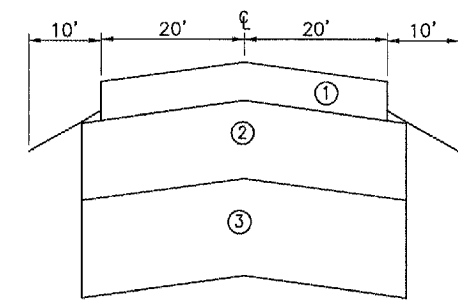


GENERAL PAVEMENT PREPARATION NOTES

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE FOLLOWING WORK ITEMS BEFORE A TACK COAT CAN BE APPLIED:

- * BLADE THE EARTH AND SOD BACK FROM EDGE OF THE PAVEMENT.
- * USE A PESTICIDE TO KILL ALL WEEDS ON THE EXISTING PAVEMENT SURFACE.
- * ONCE THE WEEDS HAVE DIED USE A TORCH TO BURN OFF WEEDS.
- * POWER BROOM THE LOOSE UNWANTED MATERIAL OFF THE PAVEMENT.

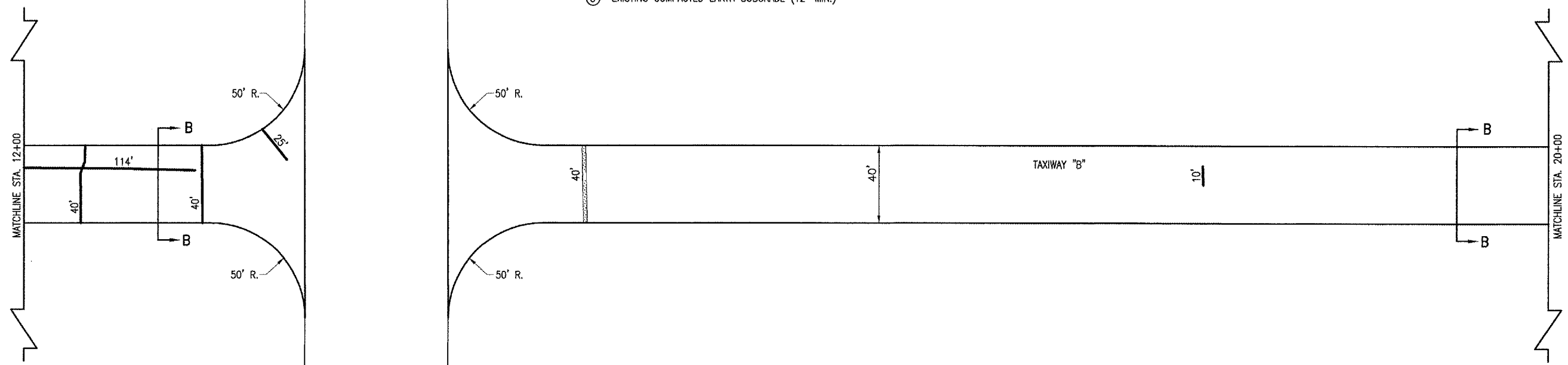
THE ABOVE WORK WILL BE CONSIDERED INCIDENTAL TO PAY ITEM AR603510 "BITUMINOUS TACK COAT" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



TYPICAL SECTION "B-B"
NOT TO SCALE

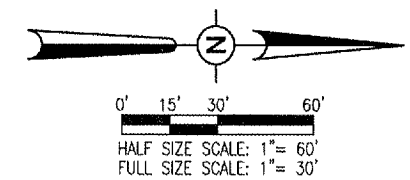
LEGEND FOR TYPICAL SECTION "B-B"

- ① EXISTING BITUMINOUS SURFACE CSE. (2" DEPTH)
- ② EXISTING BITUMINOUS BASE CSE. (6" DEPTH)
- ③ EXISTING COMPACTED EARTH SUBGRADE (12" MIN.)



LEGEND

- EXISTING PAVEMENT
- PROPOSED OVERLAY LIMITS
- EXISTING CRACKS (TO BE REPAIRED)
- PROPOSED REMOVE AND REPLACE BITUMINOUS PAVEMENT



DATE	REVISION	BY

KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS

IL. PROJ.: E2I-3533 A.I.P. PROJ.: 3-17-0058-B10






REL. Project No.	810-08TXD.0800
Revision	R-111PRP.DWG
Scale	1"=30'
Date	08/25/05
LAYOUT	R.A.W. 08/25/05
DRAWN	B.A.K. 08/25/05
REVIEWED	C.A.H. 04/27/06

HANSON
Hanson Professional Services, Inc.
3125 Dandy Trail, Suite 100
Indianapolis, Indiana 46214
Offices Nationwide


OVERLAY TAXIWAYS AND APRON
PROPOSED PAVEMENT PREPARATION PLAN
STA. 12+00 TO STA. 20+00

KE007

LEGEND

-  EXISTING PAVEMENT
-  PROPOSED OVELAY LIMITS
-  EXISTING CRACKS (TO BE REPAIRED)
-  PROPOSED REMOVE AND REPLACE BITUMINOUS PAVEMENT
-  PROPOSED REMOVE PCC PAVEMENT

P.C.C. PAVEMENT REMOVAL NOTES

THE AREA DESIGNATED AS  ON THIS SHEET AND LABELED AS PCC PAVEMENT TO BE REMOVED SHALL HAVE THE EXISTING P.C.C. PAVEMENT REMOVED (FULL DEPTH) TO A SUITABLE SUBGRADE. ALL REMOVED MATERIAL WILL BE DISPOSED OF OFF THE AIRPORT SITE.

WHERE THE PROPOSED REMOVAL AREA ABUTS THE EXISTING PAVEMENT, THE P.C.C. PAVEMENT WILL BE SAWed AS SHOWN ON THIS SHEET. THE SAWING WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED P.C.C. PAVEMENT REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

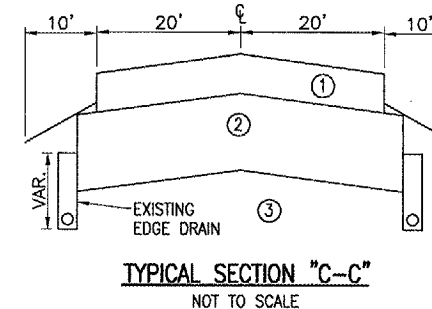
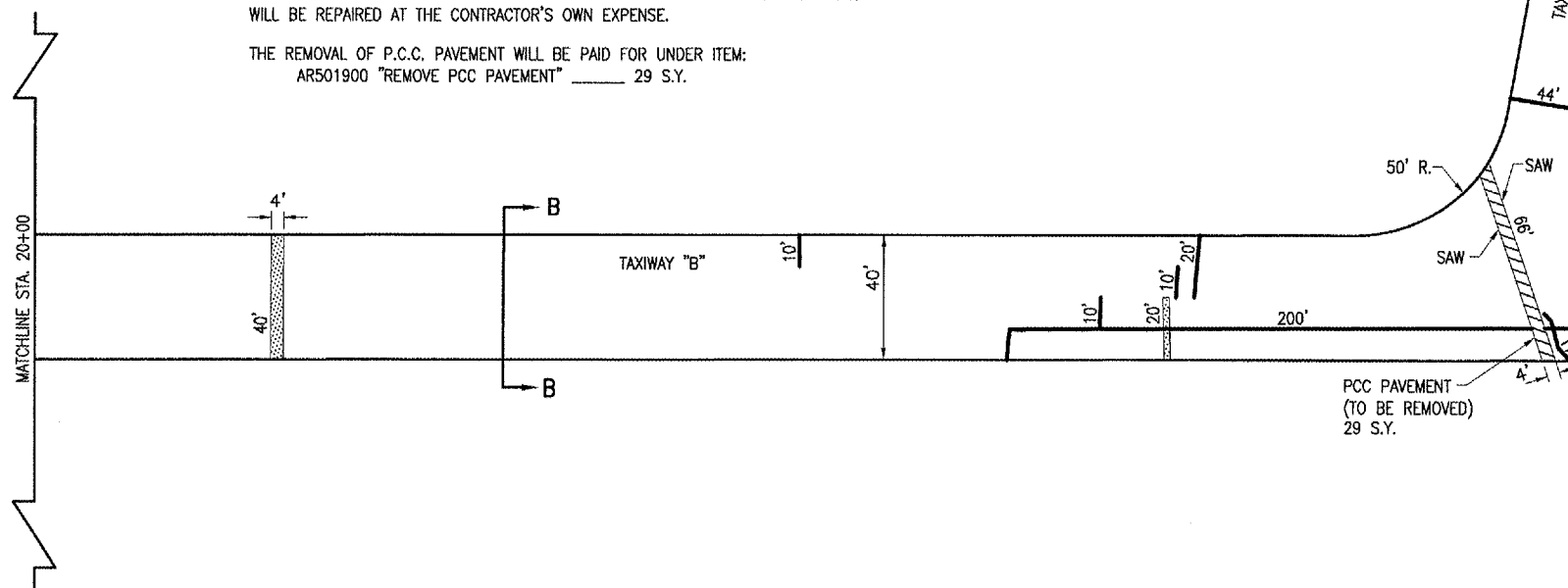
AFTER THE REMOVAL OF THE P.C.C. PAVEMENT, THE TRENCH FORMED WILL BE FILLED WITH BITUMINOUS SURFACE COURSE IN 3 LIFTS WITH NO LIFT EXCEEDING 3" IN DEPTH.

AN APPLICATION OF BITUMINOUS TACK MATERIAL WILL BE APPLIED TO THE VERTICAL BITUMINOUS FACE AND THE AGGREGATE BASE. THE REPAIR TRENCH WILL BE BACKFILLED WITH BITUMINOUS SURFACE COURSE MATERIAL (401), IN LIFTS OF THICKNESS NO GREATER THAN 3". THE FINAL LIFT SHALL BE FLUSH WITH THE SURFACE OF THE EXISTING BITUMINOUS PAVEMENT OR THE CONTRACTOR WILL BE REQUIRED TO MILL THE FINAL LIFT FLUSH AT HIS OWN EXPENSE. EACH LIFT SHALL BE COMPACTED AND ACCEPTED BY THE RESIDENT ENGINEER. NO NUCLEAR DENSITY TESTING SHALL BE REQUIRED FOR THIS TASK.

ANY DAMAGE TO THE EXISTING ADJACENT PAVEMENT WILL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. THE QUANTITY OF PAVEMENT REMOVAL, MILLING AND/OR SAWCUTS, IF UTILIZED, TACK MATERIAL, AND BITUMINOUS SURFACE COURSE MATERIAL (401) NECESSARY TO COMPLETE THIS TASK WILL BE CONSIDERED INCIDENTAL TO THE TASK, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

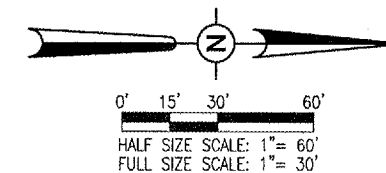
ANY ADJACENT PAVEMENT DAMAGED BY THE P.C.C. PAVEMENT REMOVAL OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.

THE REMOVAL OF P.C.C. PAVEMENT WILL BE PAID FOR UNDER ITEM:
AR501900 "REMOVE PCC PAVEMENT" _____ 29 S.Y.



LEGEND FOR TYPICAL SECTION "C-C"

- ① EXISTING BITUMINOUS SURFACE CSE. (2" DEPTH)
- ② EXISTING BITUMINOUS BASE CSE. (6" DEPTH)
- ③ EXISTING COMPACTED SUBGRADE



DATE	REVISION	BY

Kewanee Municipal Airport
Kewanee, Henry County, Illinois

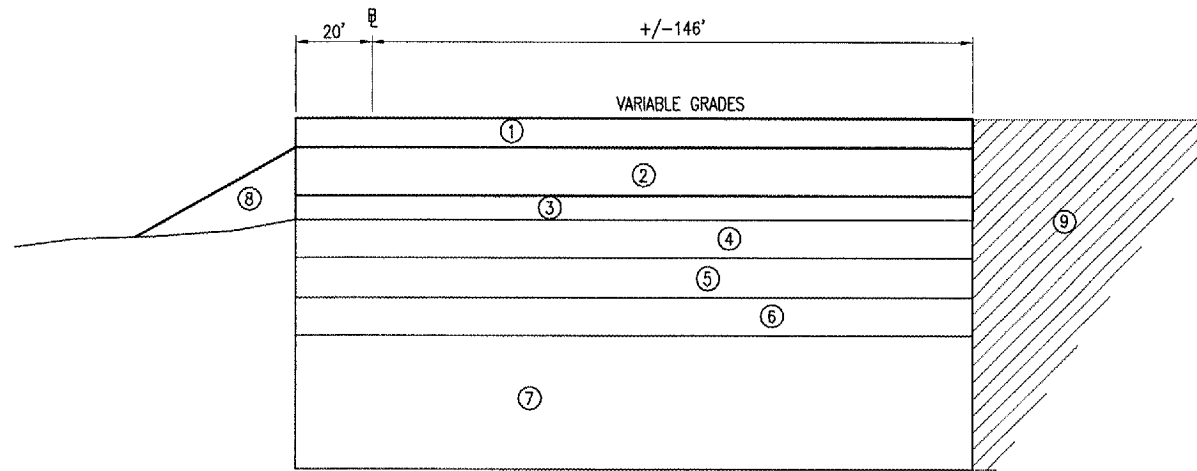
IL PROJ.: EZI-3533 A.I.P. PROJ.: 3-17-05B-810

ILL. Project No. 810-06TXD 0800 Drawing R-111PRP.DWG Scale 1"=30' Date 08/25/05	LAYOUT R.A.W. 08/25/05 DRAWN B.A.K. 08/25/05 REVIEWED C.A.H. 04/27/06
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3725 Dandy Trail, Suite 100
Indianapolis, Indiana 46214
Chicago, Indiana

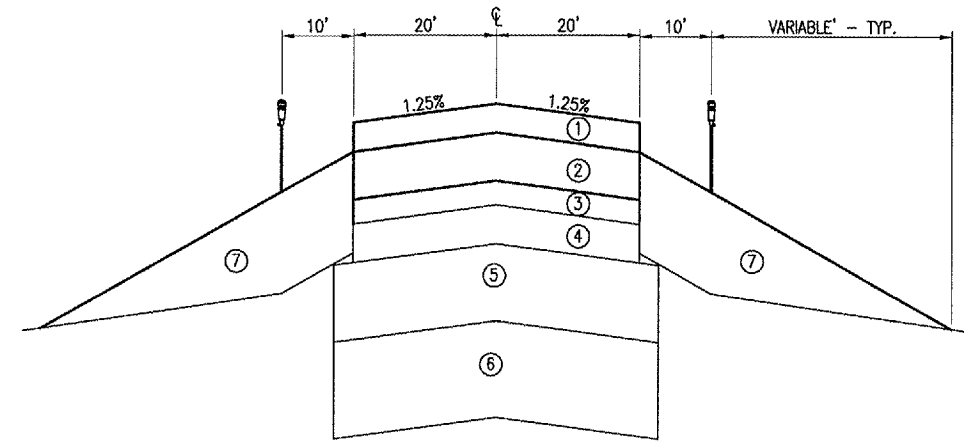
OVERLAY TAXIWAYS AND APRON
PROPOSED PAVEMENT PREPARATION PLAN
STA. 20+00 TO STA. 26+00



RAMP TYPICAL SECTION
NOT TO SCALE

LEGEND FOR RAMP TYPICAL SECTION

- ① PROPOSED BITUMINOUS SURFACE CSE. (1.5" DEPTH)
- ② PROPOSED BITUMINOUS LEVELING CSE. (VARIABLE DEPTH)
- ③ PROPOSED POROUS FRICTION CSE. (0.1' DEPTH)
- ④ EXISTING BITUMINOUS SURFACE CSE. (2" DEPTH)
- ⑤ EXISTING BITUMINOUS BASE CSE. (2" MAX. DEPTH)
- ⑥ EXISTING BITUMINOUS SURFACE CSE. (2" DEPTH)
- ⑦ EXISTING CRUSHED AGG. BASE CSE. (7" DEPTH)
- ⑧ PROPOSED TOPSOILING (FROM OFF SITE)
- ⑨ EXISTING RAMP PAVEMENT - MATCH GRADE



TAXIWAY B & C TYPICAL SECTION
NOT TO SCALE

LEGEND FOR TYPICAL SECTION "B-B"

- ① PROPOSED BITUMINOUS SURFACE CSE. (1.5" DEPTH)
- ② PROPOSED BITUMINOUS LEVELING CSE. (VARIABLE DEPTH)
- ③ PROPOSED POROUS FRICTION CSE. (0.1' DEPTH)
- ④ EXISTING BITUMINOUS SURFACE CSE. (2" DEPTH)
- ⑤ EXISTING BITUMINOUS BASE CSE. (6" DEPTH)
- ⑥ EXISTING COMPACTED EARTH SUBGRADE (12" MIN.)
- ⑦ PROPOSED TOPSOILING (FROM OFF SITE)

DATE	REVISION	BY

KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS

IL PROJ.: E21-3533 A.I.P. PROJ.: 3-17-0058-B10

ILE Project No. 810-061XXD_0800 Drawn R-521CON.DWG Scale NOT TO SCALE Date 12/28/05	LAYOUT R.A.W. 12/28/05 DRAWN R.A.W. 12/28/05 REVIEWED C.A.H. 04/27/06
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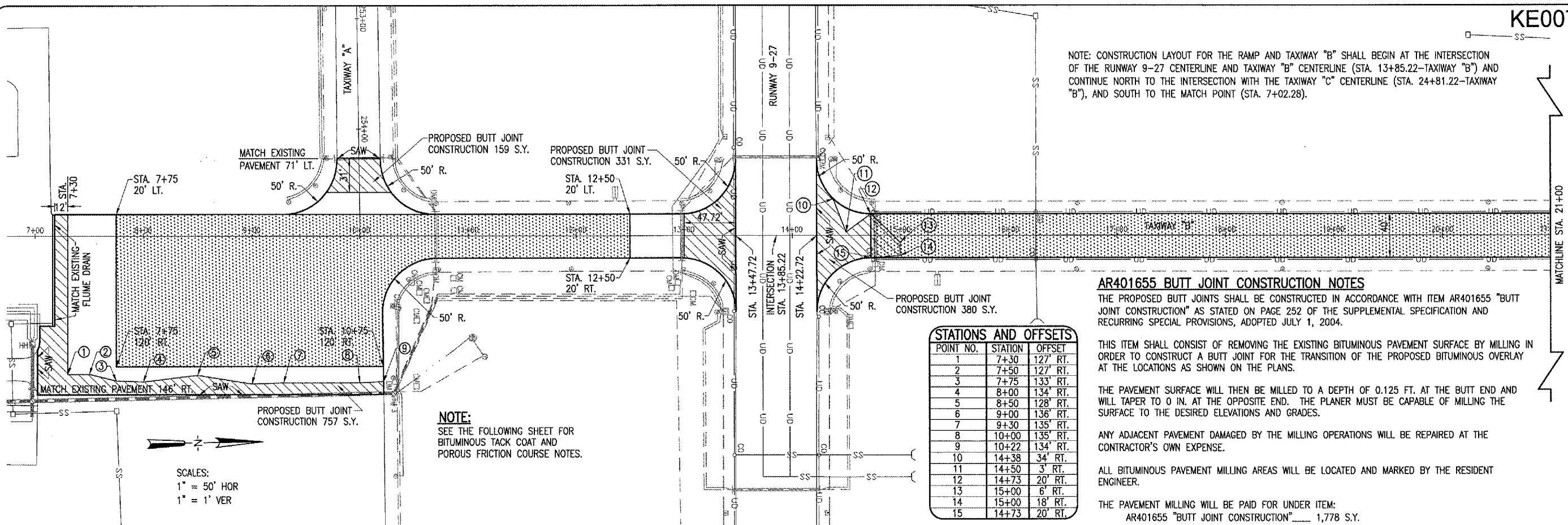
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**OVERLAY TAXIWAYS
AND APRON
PROPOSED
TYPICAL SECTIONS**

F:\AIRPORT\SY\KEWANEE\810-061XXD\AIRPORT\SY\CON.DWG - TYPICALS

NOTE: CONSTRUCTION LAYOUT FOR THE RAMP AND TAXIWAY "B" SHALL BEGIN AT THE INTERSECTION OF THE RUNWAY 9-27 CENTERLINE AND TAXIWAY "B" CENTERLINE (STA. 13+85.22-TAXIWAY "B") AND CONTINUE NORTH TO THE INTERSECTION WITH THE TAXIWAY "C" CENTERLINE (STA. 24+81.22-TAXIWAY "B"), AND SOUTH TO THE MATCH POINT (STA. 7+02.28).



STATIONS AND OFFSETS

POINT NO.	STATION	OFFSET
1	7+30	127' RT.
2	7+50	127' RT.
3	7+75	133' RT.
4	8+00	134' RT.
5	8+50	128' RT.
6	9+00	136' RT.
7	9+30	135' RT.
8	10+00	135' RT.
9	10+22	134' RT.
10	14+38	34' RT.
11	14+50	3' RT.
12	14+73	20' RT.
13	15+00	6' RT.
14	15+00	18' RT.
15	14+73	20' RT.

NOTE:
SEE THE FOLLOWING SHEET FOR BITUMINOUS TACK COAT AND POROUS FRICTION COURSE NOTES.

SCALES:
1" = 50' HOR
1" = 1' VER

AR401655 BUTT JOINT CONSTRUCTION NOTES
THE PROPOSED BUTT JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ITEM AR401655 "BUTT JOINT CONSTRUCTION" AS STATED ON PAGE 252 OF THE SUPPLEMENTAL SPECIFICATION AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM SHALL CONSIST OF REMOVING THE EXISTING BITUMINOUS PAVEMENT SURFACE BY MILLING IN ORDER TO CONSTRUCT A BUTT JOINT FOR THE TRANSITION OF THE PROPOSED BITUMINOUS OVERLAY AT THE LOCATIONS AS SHOWN ON THE PLANS.

THE PAVEMENT SURFACE WILL THEN BE MILLED TO A DEPTH OF 0.125 FT. AT THE BUTT END AND WILL TAPER TO 0 IN. AT THE OPPOSITE END. THE PLANNER MUST BE CAPABLE OF MILLING THE SURFACE TO THE DESIRED ELEVATIONS AND GRADES.

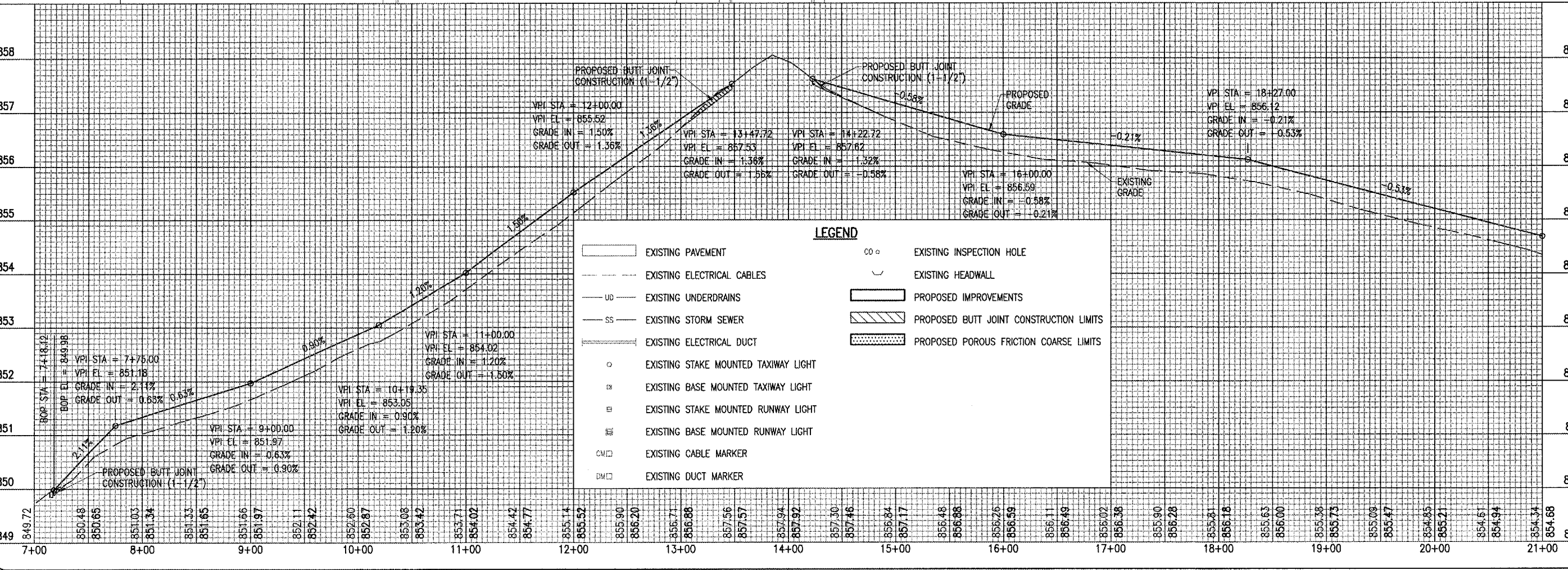
ANY ADJACENT PAVEMENT DAMAGED BY THE MILLING OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.

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

THE PAVEMENT MILLING WILL BE PAID FOR UNDER ITEM:
AR401655 "BUTT JOINT CONSTRUCTION" 1,778 S.Y.

DATE	REVISION	BY

KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS
A.I.P. PROJ.: 3-17-0068-810
I.L. PROJ.: E2I-3533



LEGEND

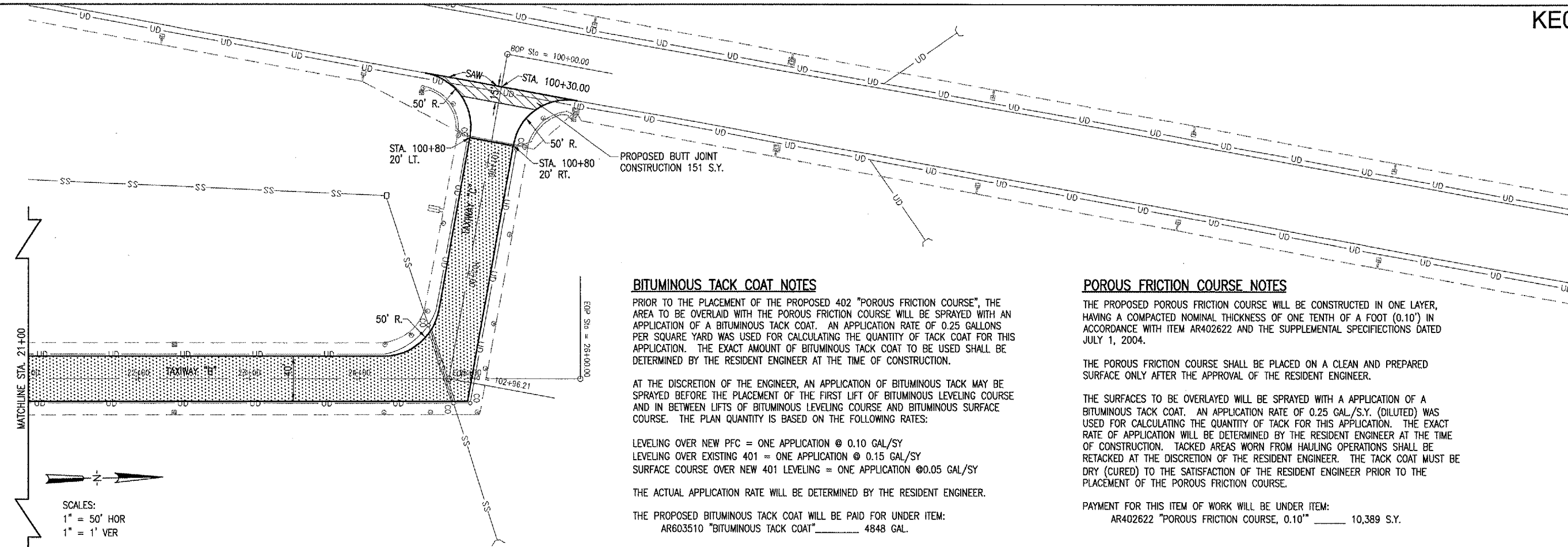
- EXISTING PAVEMENT
- - - EXISTING ELECTRICAL CABLES
- UD EXISTING UNDERDRAINS
- SS EXISTING STORM SEWER
- EXISTING ELECTRICAL DUCT
- EXISTING STAKE MOUNTED TAXIWAY LIGHT
- ⊗ EXISTING BASE MOUNTED TAXIWAY LIGHT
- ⊗ EXISTING STAKE MOUNTED RUNWAY LIGHT
- ⊗ EXISTING BASE MOUNTED RUNWAY LIGHT
- CM EXISTING CABLE MARKER
- DM EXISTING DUCT MARKER
- EXISTING INSPECTION HOLE
- EXISTING HEADWALL
- ▭ PROPOSED IMPROVEMENTS
- ▨ PROPOSED BUTT JOINT CONSTRUCTION LIMITS
- ▤ PROPOSED POROUS FRICTION COURSE LIMITS

HE Project No. 810-06TYD 0800
 File Name: R-701-TXWB.DWG
 Scale: 1"=50'
 Date: 09/05/05

LAYOUT	RAW	CAH
RAW	09/05/05	09/05/05
DRAWN		
REVIEWED		04/27/06

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OVERLAY TAXIWAYS AND APRON
 PROPOSED PLAN AND PROFILE
 TAXIWAY B
 STA. 7+00 TO STA. 21+00



BITUMINOUS TACK COAT NOTES

PRIOR TO THE PLACEMENT OF THE PROPOSED 402 "POROUS FRICTION COURSE", THE AREA TO BE OVERLAID WITH THE POROUS FRICTION COURSE WILL BE SPRAYED WITH AN APPLICATION OF A BITUMINOUS TACK COAT. AN APPLICATION RATE OF 0.25 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.

AT THE DISCRETION OF THE ENGINEER, AN APPLICATION OF BITUMINOUS TACK MAY BE SPRAYED BEFORE THE PLACEMENT OF THE FIRST LIFT OF BITUMINOUS LEVELING COURSE AND IN BETWEEN LIFTS OF BITUMINOUS LEVELING COURSE AND BITUMINOUS SURFACE COURSE. THE PLAN QUANTITY IS BASED ON THE FOLLOWING RATES:

- LEVELING OVER NEW PFC = ONE APPLICATION @ 0.10 GAL/SY
- LEVELING OVER EXISTING 401 = ONE APPLICATION @ 0.15 GAL/SY
- SURFACE COURSE OVER NEW 401 LEVELING = ONE APPLICATION @ 0.05 GAL/SY

THE ACTUAL APPLICATION RATE WILL BE DETERMINED BY THE RESIDENT ENGINEER.

THE PROPOSED BITUMINOUS TACK COAT WILL BE PAID FOR UNDER ITEM:
AR603510 "BITUMINOUS TACK COAT" _____ 4848 GAL.

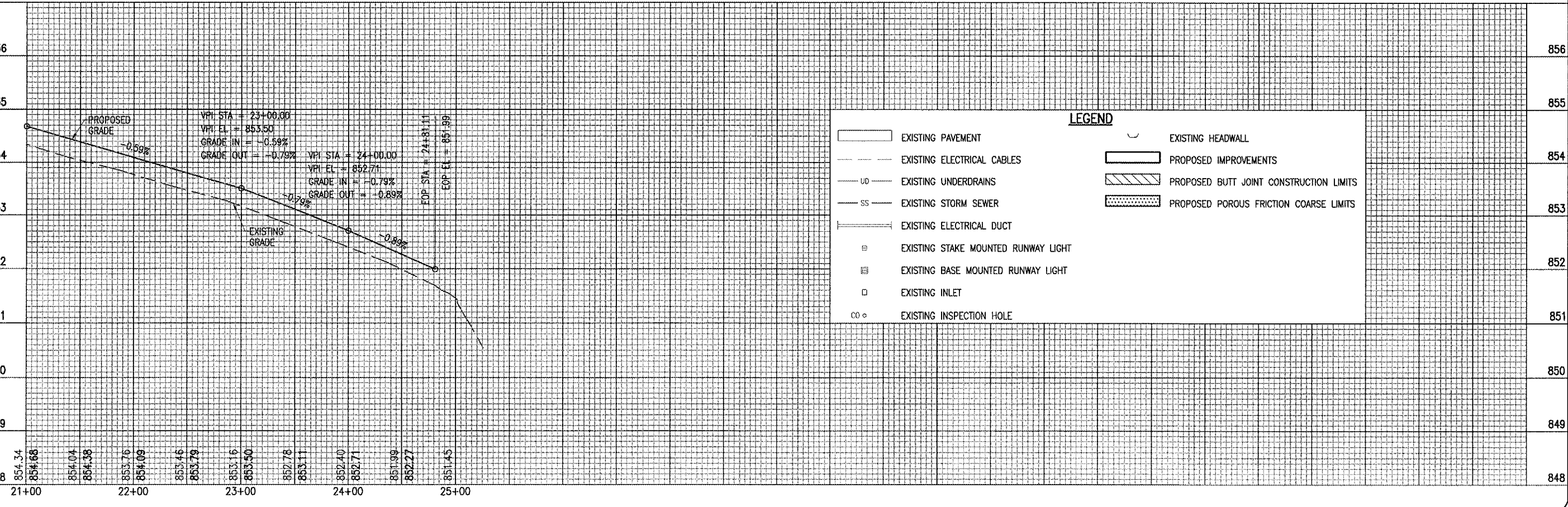
POROUS FRICTION COURSE NOTES

THE PROPOSED POROUS FRICTION COURSE WILL BE CONSTRUCTED IN ONE LAYER, HAVING A COMPACTED NOMINAL THICKNESS OF ONE TENTH OF A FOOT (0.10') IN ACCORDANCE WITH ITEM AR402622 AND THE SUPPLEMENTAL SPECIFICATIONS DATED JULY 1, 2004.

THE POROUS FRICTION COURSE SHALL BE PLACED ON A CLEAN AND PREPARED SURFACE ONLY AFTER THE APPROVAL OF THE RESIDENT ENGINEER.

THE SURFACES TO BE OVERLAID WILL BE SPRAYED WITH A APPLICATION OF A BITUMINOUS TACK COAT. AN APPLICATION RATE OF 0.25 GAL/S.Y. (DILUTED) WAS USED FOR CALCULATING THE QUANTITY OF TACK FOR THIS APPLICATION. THE EXACT RATE OF APPLICATION WILL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION. TACKED AREAS WORN FROM HAULING OPERATIONS SHALL BE RETACKED AT THE DISCRETION OF THE RESIDENT ENGINEER. THE TACK COAT MUST BE DRY (CURED) TO THE SATISFACTION OF THE RESIDENT ENGINEER PRIOR TO THE PLACEMENT OF THE POROUS FRICTION COURSE.

PAYMENT FOR THIS ITEM OF WORK WILL BE UNDER ITEM:
AR402622 "POROUS FRICTION COURSE, 0.10" _____ 10,389 S.Y.



LEGEND

	EXISTING PAVEMENT		EXISTING HEADWALL
	EXISTING ELECTRICAL CABLES		PROPOSED IMPROVEMENTS
	EXISTING UNDERDRAINS		PROPOSED BUTT JOINT CONSTRUCTION LIMITS
	EXISTING STORM SEWER		PROPOSED POROUS FRICTION COURSE LIMITS
	EXISTING ELECTRICAL DUCT		
	EXISTING STAKE MOUNTED RUNWAY LIGHT		
	EXISTING BASE MOUNTED RUNWAY LIGHT		
	EXISTING INLET		
	EXISTING INSPECTION HOLE		

DATE	REVISION	BY

KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS

IL. PROJ.: E21-3533 A.I.P. PROJ.: 3-17-0058-B10

REVIEWED	CAH	DATE

REVISIONS:

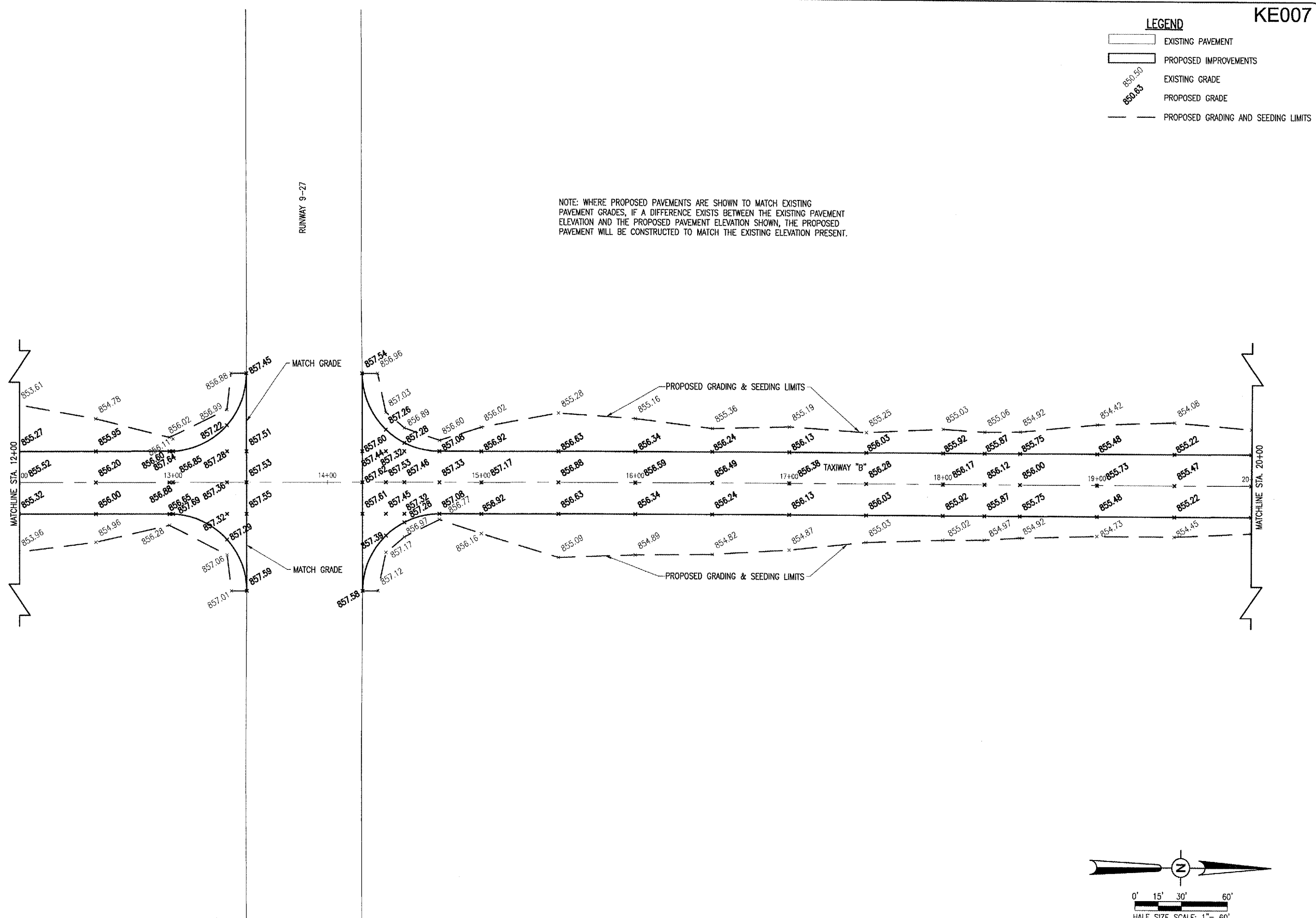
NO.	DATE	DESCRIPTION
1	09/05/05	RAW
2	09/05/05	RAW
3	04/27/06	CAH

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OVERLAY TAXIWAYS AND APRON AND PROFILE
PROPOSED PLAN AND PROFILE
TAXIWAY B
STA. 21+00 TO STA. 24+81.11

I:\AIRPORTS\KEWANEE\810-061X\0\AIRPORT\SHEETS-SPLIT\R-1915TK.DWG - STA. 12+00 TO STA. 20+00



KE007

DATE	REVISION	BY

KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS

IL PROJ.: E2I-3533 A.I.P. PROJ.: 3-17-0058-B10

Project No.	810-061X\0_0800
Filename	R-1915TK.DWG
Scale	1" = 30'
Date	08/30/05
LAYOUT	R.A.W. 08/30/05
DRAWN	B.A.K. 08/30/05
REVIEWED	C.A.H. 04/27/06

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OVERLAY TAXIWAYS AND APRON
PROPOSED STAKING PLAN
STA. 12+00 TO STA. 20+00

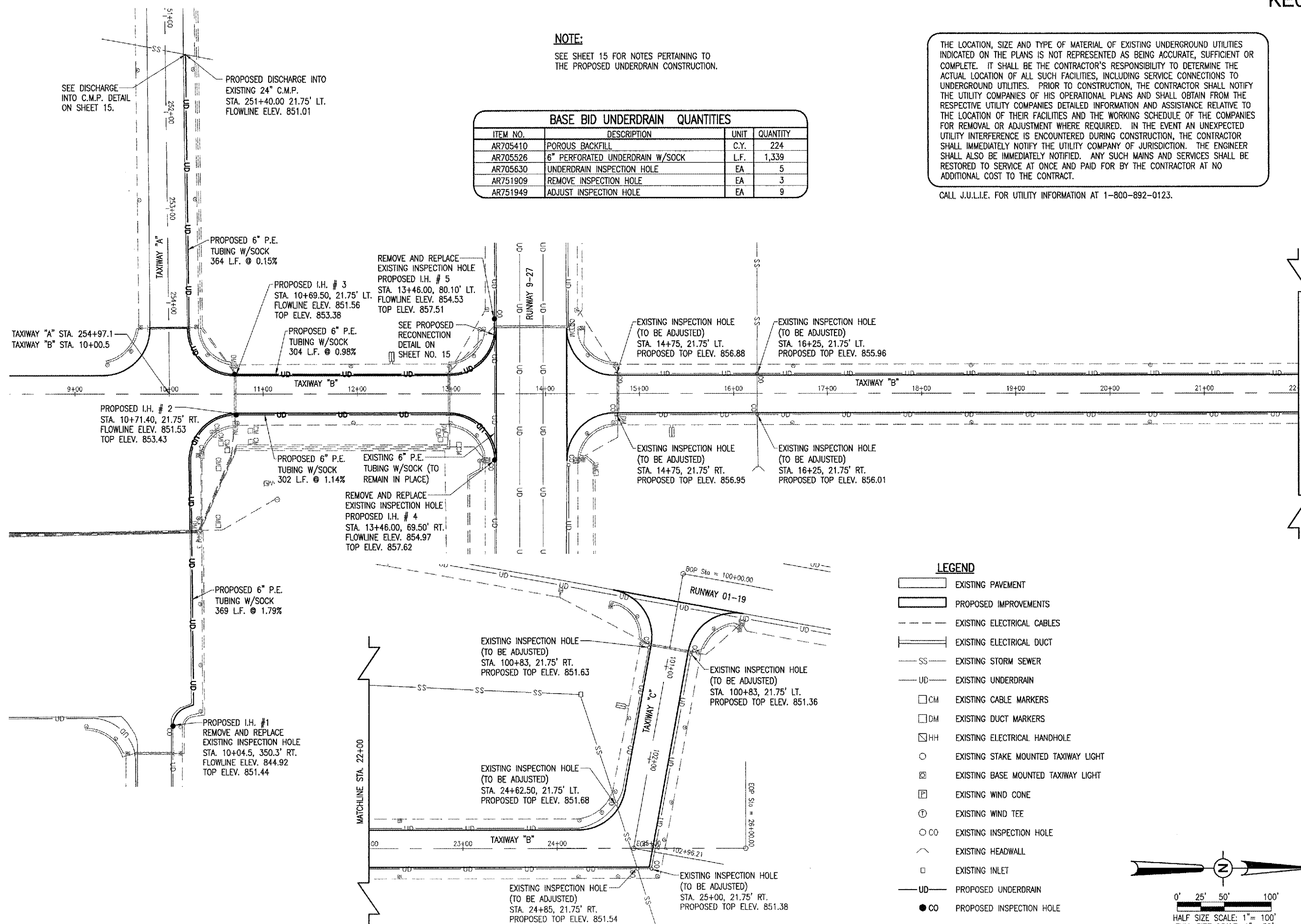
NOTE:

SEE SHEET 15 FOR NOTES PERTAINING TO THE PROPOSED UNDERDRAIN CONSTRUCTION.

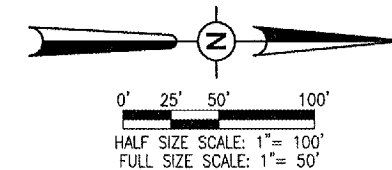
THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND 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.

BASE BID UNDERDRAIN QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR705410	POROUS BACKFILL	C.Y.	224
AR705526	6" PERFORATED UNDERDRAIN W/SOCK	L.F.	1,339
AR705630	UNDERDRAIN INSPECTION HOLE	EA	5
AR751909	REMOVE INSPECTION HOLE	EA	3
AR751949	ADJUST INSPECTION HOLE	EA	9



- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED IMPROVEMENTS
 - EXISTING ELECTRICAL CABLES
 - EXISTING ELECTRICAL DUCT
 - EXISTING STORM SEWER
 - EXISTING UNDERDRAIN
 - EXISTING CABLE MARKERS
 - EXISTING DUCT MARKERS
 - EXISTING ELECTRICAL HANDHOLE
 - EXISTING STAKE MOUNTED TAXIWAY LIGHT
 - EXISTING BASE MOUNTED TAXIWAY LIGHT
 - EXISTING WIND CONE
 - EXISTING WIND TEE
 - EXISTING INSPECTION HOLE
 - EXISTING HEADWALL
 - EXISTING INLET
 - PROPOSED UNDERDRAIN
 - PROPOSED INSPECTION HOLE



DATE	REVISION	BY

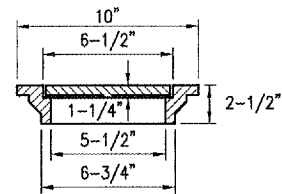
Kewanee Municipal Airport
Kewanee, Henry County, Illinois

HEL Project No. 810-061XXD-0800	RAW	12/20/05
Plan No. R-131DRN-DWG	BAK	12/20/05
Scale 1"=50'	CAH	04/27/06
Date 12/20/05		



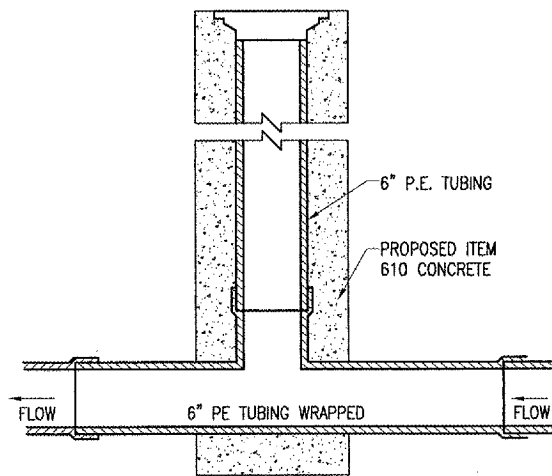
OVERLAY TAXIWAYS AND APRON
PROPOSED DRAINAGE PLAN

I:\AIRPORTS\KEWANEE\810-061XXD\AIRPORT\SHEETS-SPLIT\R-131DRN.DWG - UNDERDRAINS



CAST IRON FRAME AND COVER

NEENAH R-6013, DEETER 1810,
EAST JORDAN 2790-6 OR
APPROVED EQUAL



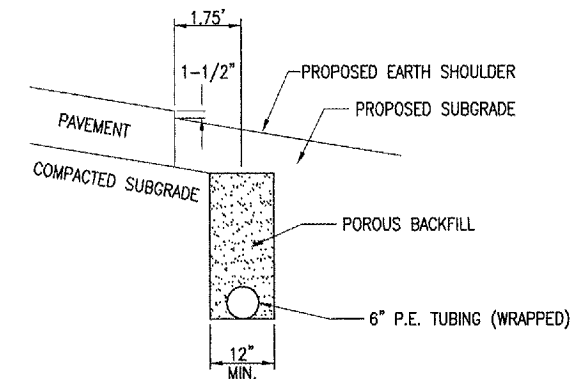
INSPECTION HOLE-TYPE B

INSPECTION HOLE NOTES

DIAMETER OF PIPE AS SPECIFIED.
TOP OF INSPECTION HOLES SHALL BE 2" ABOVE FINISH GROUND LINE AT LOCATION SHOWN ON PLANS.
1/2" CHAMFER TO BE USED ON ALL EXPOSED EDGES OF INSPECTION HOLES.
THE CONCRETE SHALL BE STRUCTURAL PORTLAND CEMENT CONCRETE (NON-REINFORCED).
THE PROPOSED UNDERDRAIN INSPECTION HOLES WILL BE PAID FOR UNDER ITEM AR705530 UNDERDRAIN INSPECTION HOLE _____ 5 EACH.

POROUS BACKFILL NOTES

THE QUANTITY OF POROUS BACKFILL WAS CALCULATED USING AN AVERAGE DEPTH OF 36" AND AVERAGE WIDTH OF 18". THE MINIMUM TRENCH WIDTH IS 12".



UNDERDRAIN DETAIL

NOT TO SCALE

705-UNDERDRAIN NOTES:

THE PROPOSED UNDERDRAIN PIPE WILL BE CONSTRUCTED IN ACCORDANCE WITH ITEM 705 "PIPE UNDERDRAINS FOR AIRPORTS" AS STATED ON PAGE 109 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING 6" P.E. TUBING (WRAPPED) AND UNDERDRAIN INSPECTION HOLES AT THE LOCATIONS AND TO THE GRADES SHOWN ON THE CONSTRUCTION PLANS.

705-3.3 LAYING AND INSTALLING PIPE. REVISE THIS SECTION AS FOLLOWS:

"PIPE DRAINS SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. THE PIPE SHALL BE BEDDED IN THE UNDERLYING MATERIAL TO A DEPTH NOT LESS THAN 10 PERCENT OF THE EXTERNAL DIAMETER OF THE PIPE, AND WHERE TRENCHING IS REQUIRED, THE TRENCH SHALL HAVE A WIDTH OF NOT LESS 12 IN. THE BOTTOM OF THE TRENCH SHALL BE COMPACTED IN A MANNER MEETING THE APPROVAL OF THE ENGINEER.

JOINTS AND FITTINGS MAY BE ASSEMBLED WITHOUT GASKETS OR SOLVENT CEMENT IF THE JOINT IS SAND TIGHT AND THE SPIGOT ENTERS THE SOCKET NOT LESS THAN 1/3 OF THE SOCKET DEPTH FOR SOLVENT CEMENT JOINTS AND FULL-DEPTH FOR ELASTOMERIC GASKET JOINTS.

NO PIPE SHALL BE PLACED IN THE TRENCH UNTIL IT AND THE PREPARED FOUNDATION HAVE BEEN APPROVED BY THE RESIDENT ENGINEER. THE PIPE SHALL BE LAID SO THAT THE FLOWLINE WILL BE AT THE GRADE SHOWN ON THE PLANS OR ESTABLISHED BY THE RESIDENT ENGINEER. THE PERMISSIBLE MINIMUM COVER OVER A PIPE SHALL BE 6 IN.

LAYING OF PIPES SHALL COMMENCE AT THE OUTLET END AND PROCEED TOWARD THE INLET END WITH THE PIPES TRUE TO LINE AND GRADE.

THE ENDS OF THE PIPE SHALL BE CAREFULLY CLEANED BEFORE THEY ARE PLACED, AND SHALL BE PLACED TO AVOID UNNECESSARY HANDLING ON THE FOUNDATION. AS EACH LENGTH OF PIPE IS LAID, THE ENDS OF THE PIPE SHALL BE PROTECTED TO PREVENT THE ENTRANCE OF ANY MATERIAL.

LONGITUDINAL LAPS SHALL BE PLACED AT THE SIDES AND SEPARATE SECTIONS OF PIPE SHALL BE JOINED WITH TIGHTLY-DRAWN, APPROVED CONNECTING BANDS.

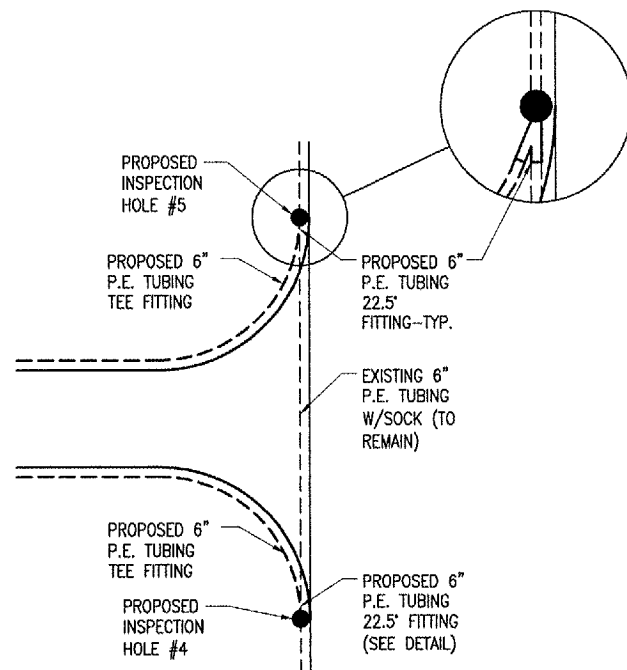
THE TRENCH SHALL BE BACKFILLED WITH SELECT MATERIAL, MEETING THE APPROVAL OF THE ENGINEER, PLACED IN 8 IN. LAYERS, LOOSE MEASUREMENT, AND COMPACTED TO THE ENGINEER'S SATISFACTION."

705-3.6 BACKFILLING; ADD THE FOLLOWING TO THIS SECTION:

"THE EDGE DRAIN TRENCH WILL BE BACKFILLED WITH POROUS BACKFILL IDOT (CA-14 OR CA-16) IN ACCORDANCE WITH THE DETAIL ON THE CONSTRUCTION PLANS. THE POROUS BACKFILL WILL BE COMPACTED TO THE SATISFACTION OF THE RESIDENT ENGINEER.

THE PROPOSED UNDERDRAIN PIPE WILL BE PAID FOR UNDER ITEM:
AR705526 6" PERFORATED UNDERDRAIN W/SOCK _____ 1,339 L.F.

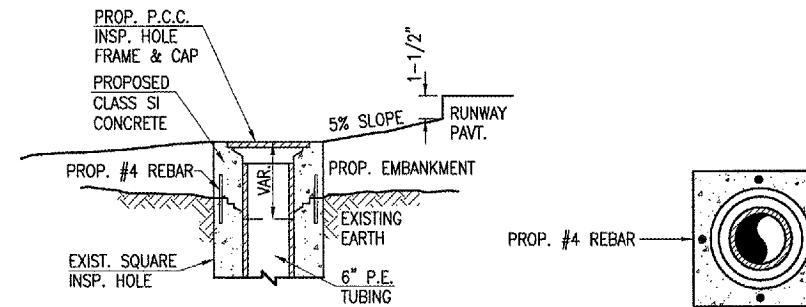
THE PROPOSED POROUS BACKFILL WILL BE PAID FOR UNDER ITEM:
AR705410 POROUS BACKFILL _____ 224 C.Y.



PROPOSED RECONNECTION DETAIL

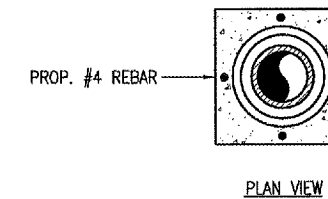
NOT TO SCALE

NOTE: THE RECONNECTION OF THE UNDERDRAIN SHOWN IN THE DETAIL ABOVE SHALL USE STANDARD PE TUBING FITTINGS. THE CONNECTION OF THE FITTINGS WILL BE IN ACCORDANCE WITH ITEM 705 "PIPE UNDERDRAINS FOR AIRPORTS" INCLUDED IN THE SUPPLEMENTAL AND RECURRING SPECIAL PROVISIONS DATED JULY 1, 2004. THE RECONNECTION OF THE UNDERDRAIN SHALL BE CONSIDERED INCIDENTAL TO ITEM AR705526 - 6" PERFORATED UNDERDRAIN W/SOCK, INCLUDING ALL LABOR, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE TASK, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

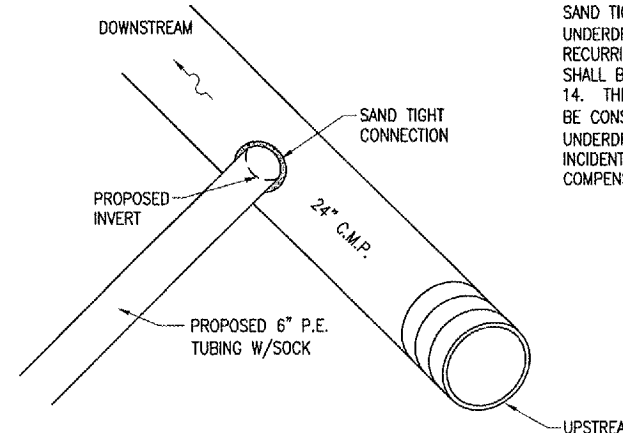


**SECTIONAL VIEW
INSPECTION HOLE
ADJUSTMENT DETAIL**

"NOT TO SCALE"



PLAN VIEW



DISCHARGE INTO C.M.P. DETAIL

NOT TO SCALE

NOTE: THE CONNECTION OF THE UNDERDRAIN INTO THE 24" CMP WILL BE SAND TIGHT IN NATURE, IN ACCORDANCE WITH ITEM 705 "PIPE UNDERDRAINS FOR AIRPORTS" INCLUDED IN THE SUPPLEMENTAL AND RECURRING SPECIAL PROVISIONS DATED JULY 1, 2004. THE CONNECTION SHALL BE CONSTRUCTED TO THE INVERT ELEVATION SHOWN ON SHEET 14. THE CONNECTION OF THE UNDERDRAIN TO THE EXISTING CMP SHALL BE CONSIDERED INCIDENTAL TO ITEM AR705526 - 6" PERFORATED UNDERDRAIN W/SOCK, INCLUDING ALL LABOR, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE TASK, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

BY	REVISION	DATE

KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS

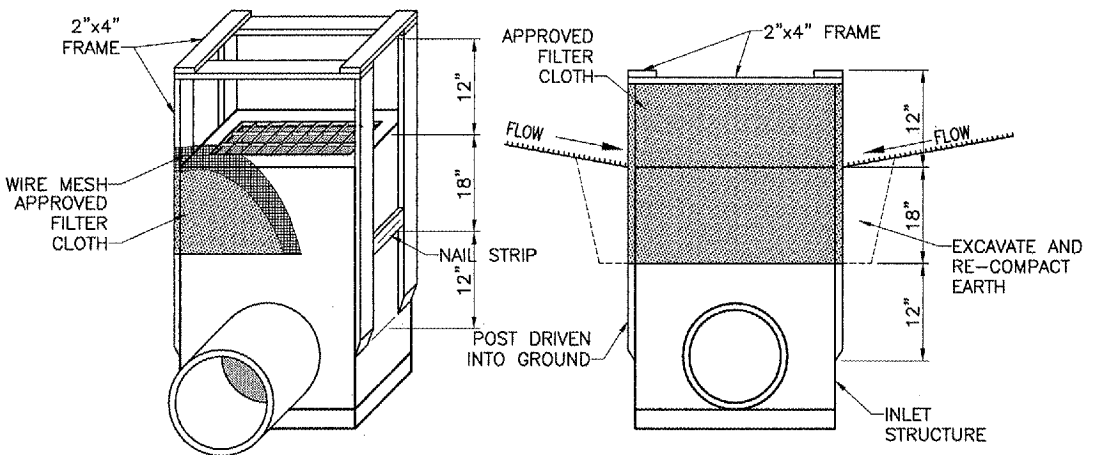
IL PROJ.: E21-3533 A.I.P. PROJ.: 3-17-0058-B10

HEL Project No.:	810-061XVD 0800
File Name:	R-531DRN.DWG
Scale:	N/A
Date:	12/20/05
LAYOUT	RAW 12/20/05
DRAWN	BAK 12/20/05
REVIEWED	CAH 04/27/06

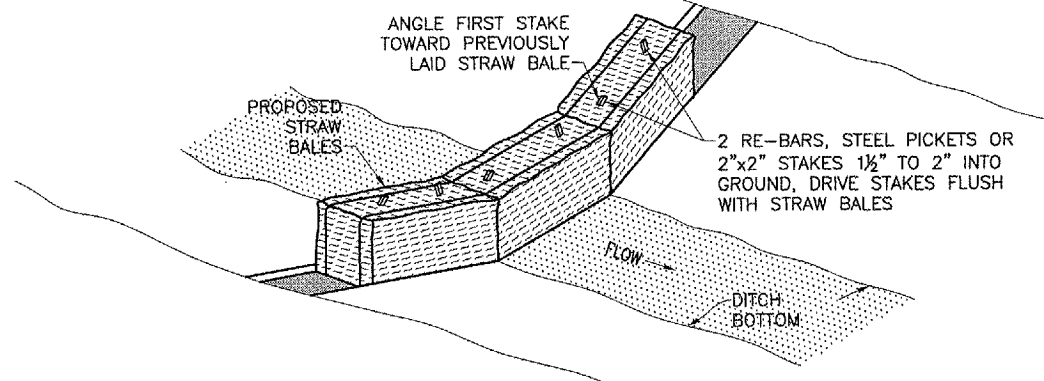


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Indianapolis, Indiana 46214
Offices Nationwide

OVERLAY TAXIWAYS
AND APRON
UNDERDRAIN
NOTES AND DETAILS



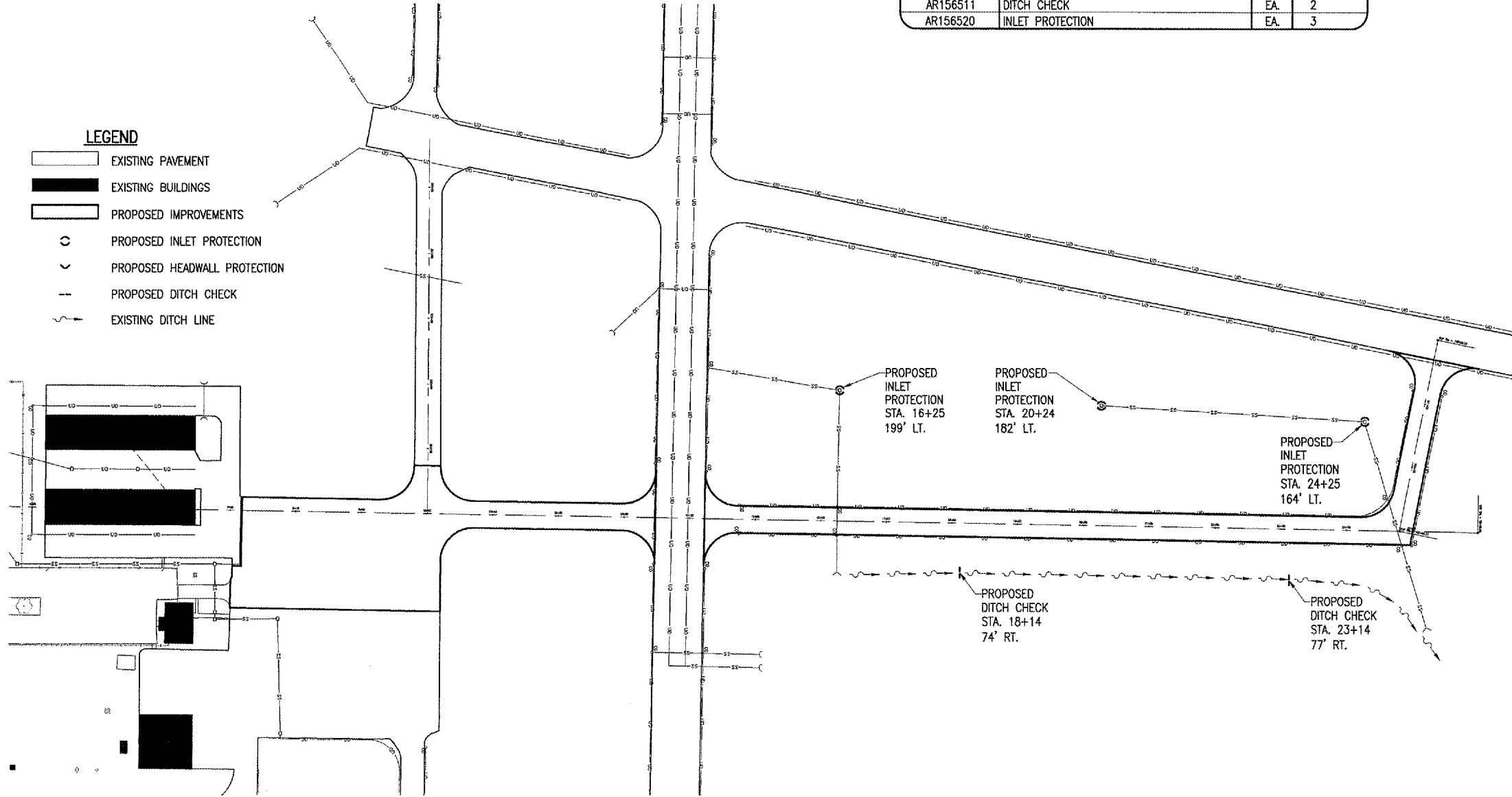
INLET PROTECTION DETAIL
"NOT TO SCALE"



DITCH CHECK DETAIL
"NOT TO SCALE"

EROSION CONTROL QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR156511	DITCH CHECK	EA.	2
AR156520	INLET PROTECTION	EA.	3

- LEGEND**
- EXISTING PAVEMENT
 - EXISTING BUILDINGS
 - PROPOSED IMPROVEMENTS
 - PROPOSED INLET PROTECTION
 - PROPOSED HEADWALL PROTECTION
 - PROPOSED DITCH CHECK
 - EXISTING DITCH LINE



EROSION CONTROL NOTES

ALL EROSION CONTROL MEASURES WILL BE PLACED PRIOR TO ANY DISRUPTION OF THE EXISTING SOD AREAS OR THE PLACEMENT OF TOPSOIL FROM OFF SITE.

ALL PROPOSED EROSION CONTROL MEASURES SHALL BE COMPLETED AS DETAILED ON THIS EROSION CONTROL PLAN AND IN ACCORDANCE WITH THE SPECIFICATIONS.

EROSION CONTROL MEASURES ARE GOVERNED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S STANDARDS AND SPECIFICATIONS FOR SOIL EROSIONS AND SPECIFICATION FOR SOIL EROSIONS AND SEDIMENT CONTROL.

SILT FENCE WILL BE USED FOR INLET PROTECTION AS SHOWN ON THIS SHEET.

THE PROPOSED INLET PROTECTION WILL BE PLACED AT THE LOCATIONS SHOWN ON THIS SHEET.

INSPECTION OF THE INLET PROTECTION SHALL BE FREQUENT AND REPAIR/REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED. ANY REPAIR/REPLACEMENT MADE WILL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

INLET PROTECTION IS TO INCLUDE ALL INCIDENTALS NECESSARY TO CONSTRUCT THESE ITEMS AND WILL BE PAID FOR UNDER ITEM: AR156520 INLET PROTECTION 3 EACH.

THE PROPOSED DITCH CHECKS WILL BE CONSTRUCTED AS SHOWN ON THIS SHEET AND SHALL CONSIST OF A MINIMUM OF 3 BALES PER LOCATION. THE DITCH CHECKS WILL INCLUDE ALL INCIDENTALS NECESSARY TO COMPLETE THE ITEM AND WILL BE PAID FOR UNDER ITEM: AR156511 DITCH CHECK 2 EACH

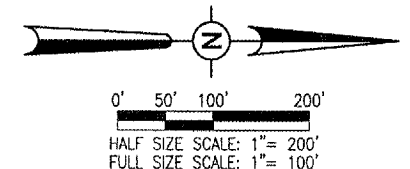
REVISION	DATE

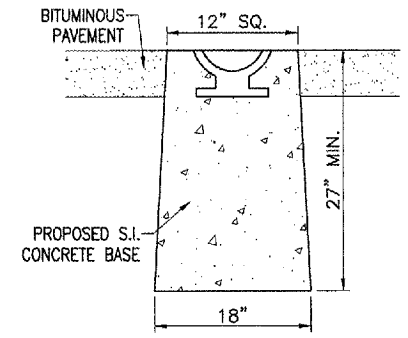
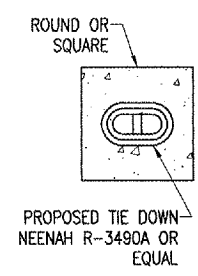
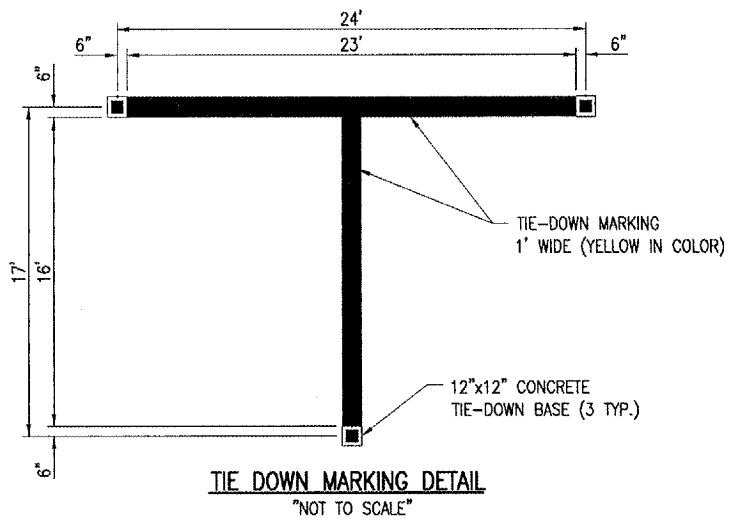
BY
DATE
KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS
A.I.P. PROJ.: 3-17-0058-810
IL. PROJ.: EZI-3533

Project No.	810-06TXD_0800	DATE	09/08/05
Filename	R-181.SWP.DWG	R.A.W.	09/08/05
Scale	1"=100'	B.A.K.	09/08/05
Date	09/08/05	C.A.H.	04/27/06
LAYOUT			
DRAWN			
REVIEWED			

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OVERLAY TAXIWAYS AND APRON
PROPOSED STORMWATER POLLUTION PREVENTION PLAN





TIE DOWN NOTES

NEW TIE DOWNS WILL BE INSTALLED IN ACCORDANCE WITH DETAIL "B" AT THE LOCATIONS SHOWN ON THIS SHEET.

THE PERIMETER OF EACH PROPOSED TIE DOWN SHALL BE SAWS.

TIE DOWN CASTINGS SHALL BE NEENAH R-3490A OR EQUAL.

CONCRETE SHALL MEET THE REQUIREMENTS OF 610 - STRUCTURAL CONCRETE.

THE PROPOSED TIE DOWN MARKING WILL BE IN ACCORDANCE WITH THE TIE DOWN MARKING DETAIL ON THIS SHEET AND THE SPECIFICATIONS, AND PAID FOR AS NOTED BELOW.

THE TIE DOWN INSTALLATION WILL BE PAID FOR UNDER ITEM: AR510510 "TIE DOWN" 16 EA.

620-PAVEMENT MARKING-WATERBORNE NOTES

THE PAVEMENT MARKING-WATERBORNE (620) SHALL BE PLACED IN ACCORDANCE WITH ITEM 620 "PAVEMENT MARKING" AS STATED ON PAGE 77 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM SHALL CONSIST OF TAXIWAY CENTERLINE, HOLDING POSITION (YELLOW) AND TIE DOWN MARKING IN ACCORDANCE WITH THESE SPECIFICATIONS AND AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. THE PROPOSED PAVEMENT MARKING WILL BE APPLIED IN TWO APPLICATIONS.

ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL ENTIRELY AT THE VENDOR'S EXPENSE, INCLUDING HANDLING AND TRANSPORTATION CHARGES.

ALL PROPOSED MARKING WILL BE COMPLETED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION PLANS.

GLASS BEADS SHALL BE REQUIRED ONLY ON THE SECOND APPLICATION.

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

THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM: AR620520 PAVEMENT MARKING-WATERBORNE 3,820 S.F.

MARKING QUANTITIES			
DESCRIPTION	UNIT AREA	NO. REQUIRED	TOTAL AREA
TAXIWAY CENTERLINE	3,224	1	3,175
TIE DOWN	39	7	273
HOLDING POSITION	124	3	372
		TOTAL YELLOW	3,820
HOLDING POSITION (BLACK)	196	3	588
		TOTAL BLACK	588
		TOTAL MARKING	4,408

620-BLACK BORDER NOTES

THE BLACK BORDER (620) SHALL BE PLACED IN ACCORDANCE WITH ITEM 620 "PAVEMENT MARKING" AS STATED ON PAGE 77 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM SHALL CONSIST OF THE BLACK BORDER AROUND THE HOLDING POSITION MARKING IN ACCORDANCE WITH THESE SPECIFICATIONS AND AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. THE PROPOSED PAVEMENT MARKING WILL BE APPLIED IN TWO APPLICATIONS.

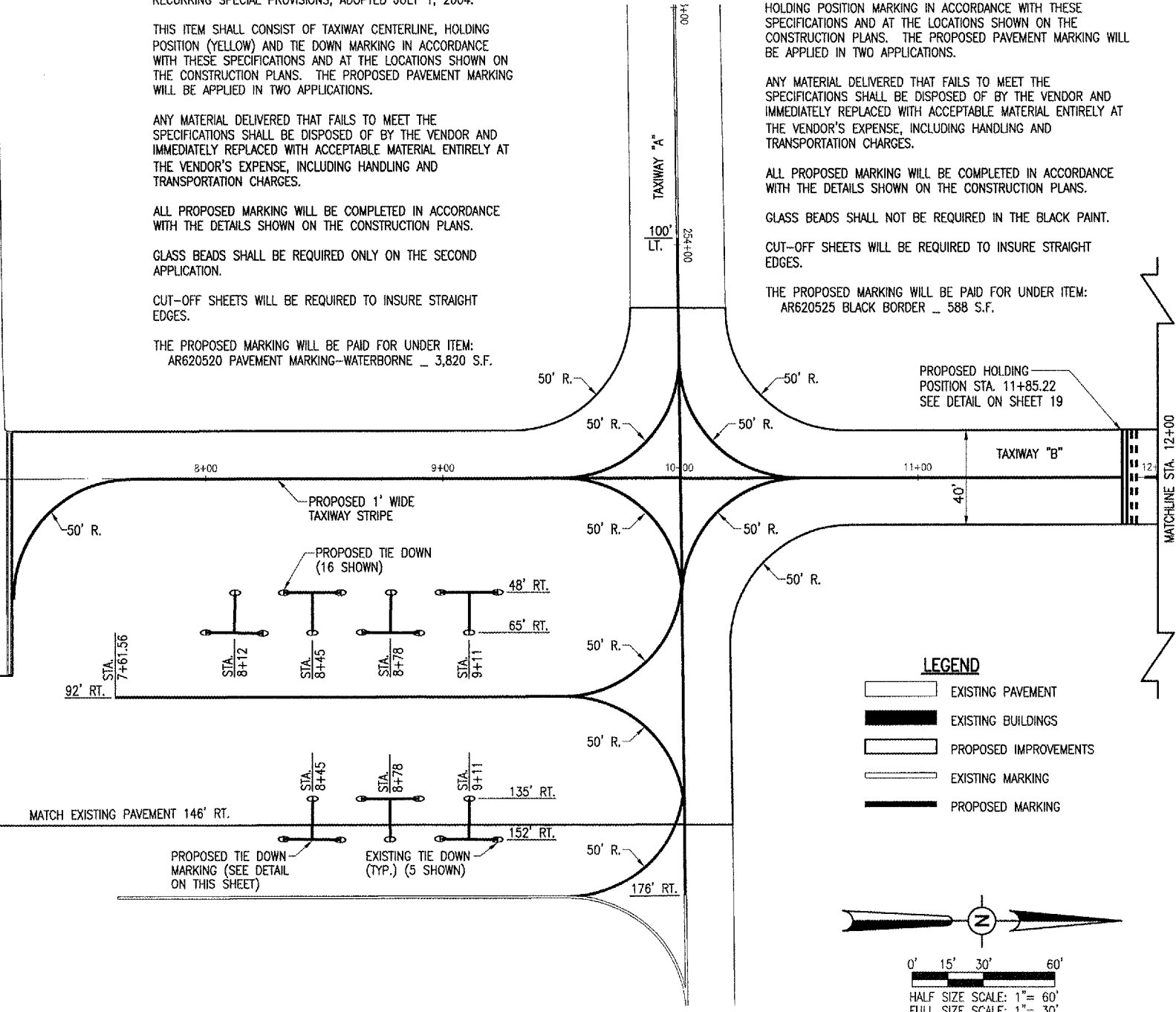
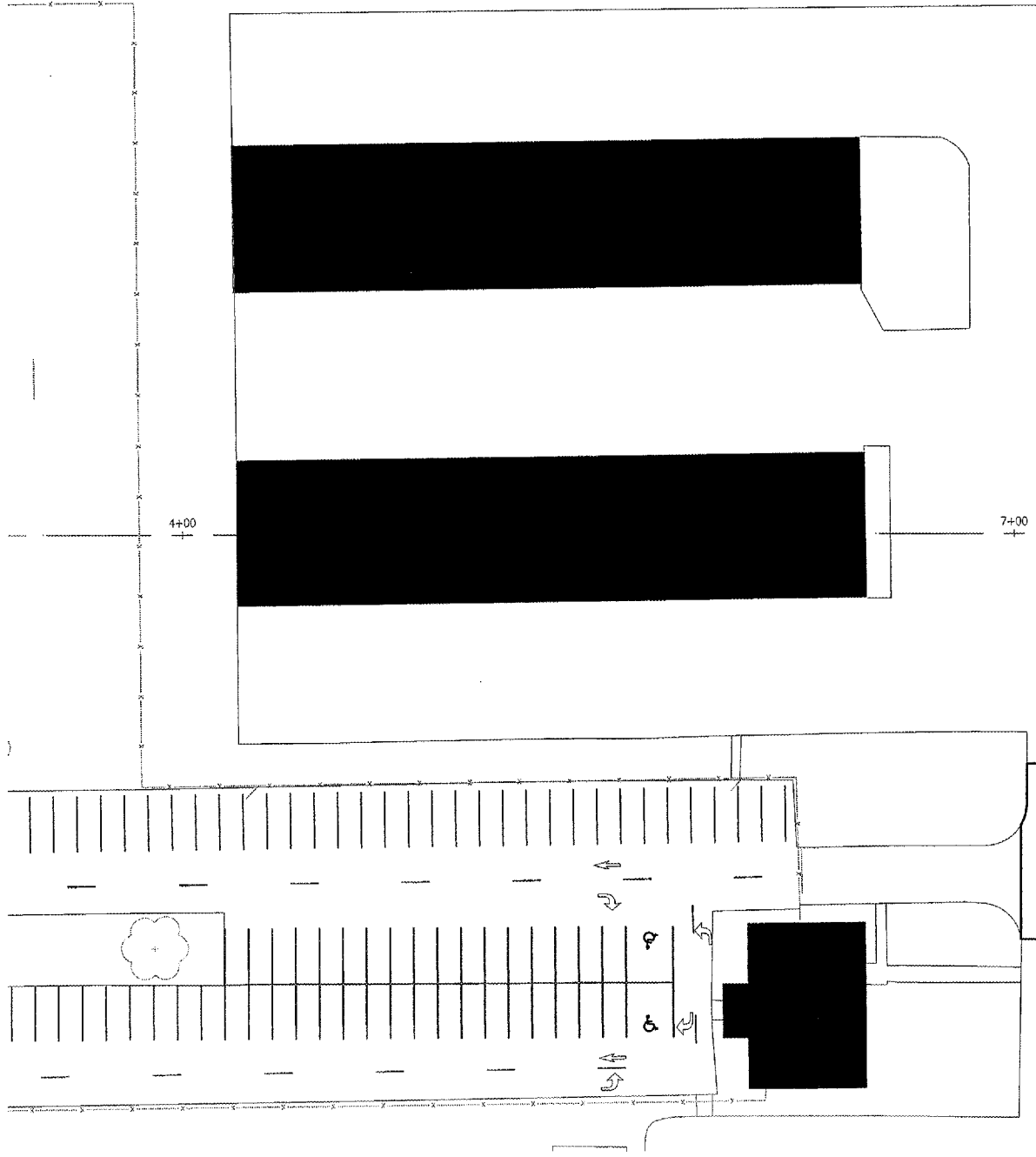
ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL ENTIRELY AT THE VENDOR'S EXPENSE, INCLUDING HANDLING AND TRANSPORTATION CHARGES.

ALL PROPOSED MARKING WILL BE COMPLETED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION PLANS.

GLASS BEADS SHALL NOT BE REQUIRED IN THE BLACK PAINT.

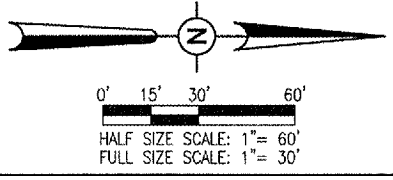
CUT-OFF SHEETS WILL BE REQUIRED TO INSURE STRAIGHT EDGES.

THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM: AR620525 BLACK BORDER 588 S.F.



LEGEND

- EXISTING PAVEMENT
- EXISTING BUILDINGS
- PROPOSED IMPROVEMENTS
- EXISTING MARKING
- PROPOSED MARKING



DATE	REVISION	BY

Kewanee Municipal Airport
Kewanee, Henry County, Illinois

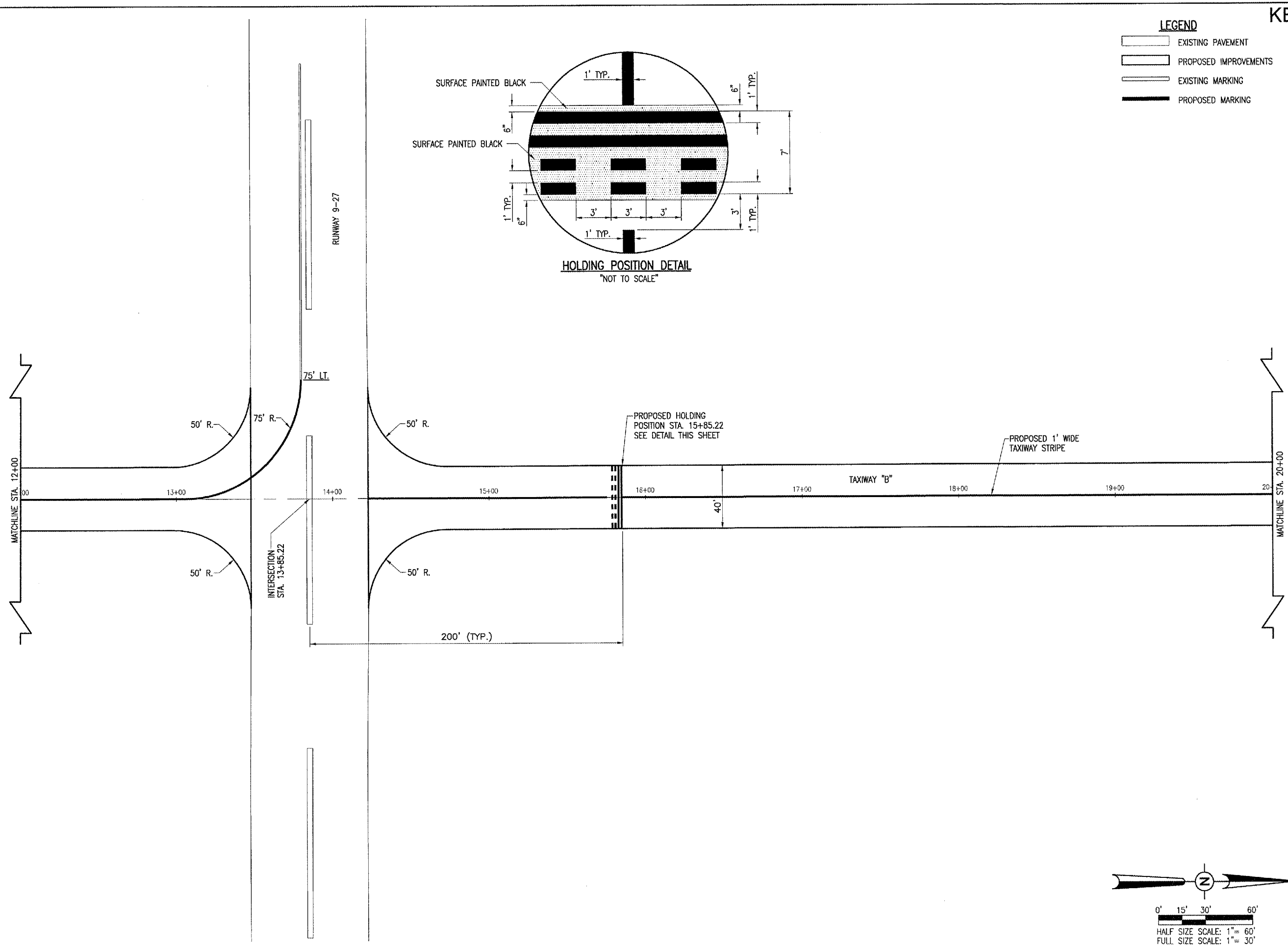
IL PROJ.: E21-3533 A.I.P. PROJ.: 3-17-0058-B10

Proj. No. 810-061XXD_0800	Drawn R.A.W. 08/30/05
Phone R-152MRK.DWG	Drawn B.A.K. 08/30/05
Scale 1"=30'	Reviewed C.A.H. 04/27/06
Date 08/30/05	

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Chicago Nationwide

OVERLAY TAXIWAYS AND APRON
PROPOSED MARKING PLAN
STA. 4+00 TO STA. 12+00

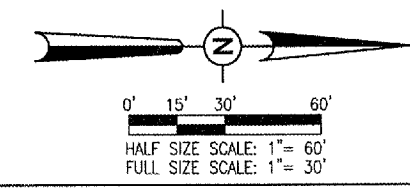
I:\AIRPORTS\KEWANEE\810-06TXD\AIRPORT_SHEETS-SPLIT\R-152MRK.DWG - STA. 12+00 TO STA. 20+00



LEGEND

- EXISTING PAVEMENT
- PROPOSED IMPROVEMENTS
- EXISTING MARKING
- PROPOSED MARKING

KE007



REVISION	DATE	BY

KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS

IL PROJ.: E2I-3533 A.I.P. PROJ.: 3-17-0058-810

Project No.	810-06TXD.0800
File Name	R-152MRK.DWG
Scale	1"=30'
Date	08/30/05
LAYOUT	R.A.W. 08/30/05
DRAWN	B.A.K. 08/30/05
REVIEWED	C.A.H. 04/27/06

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 Indianapolis, Indiana 46214
 Offices Nationwide

OVERLAY TAXIWAYS AND APRON
PROPOSED MARKING PLAN
 STA. 12+00 TO STA. 20+00

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.

LIGHT AND TAXI GUIDANCE SIGN REMOVAL NOTES

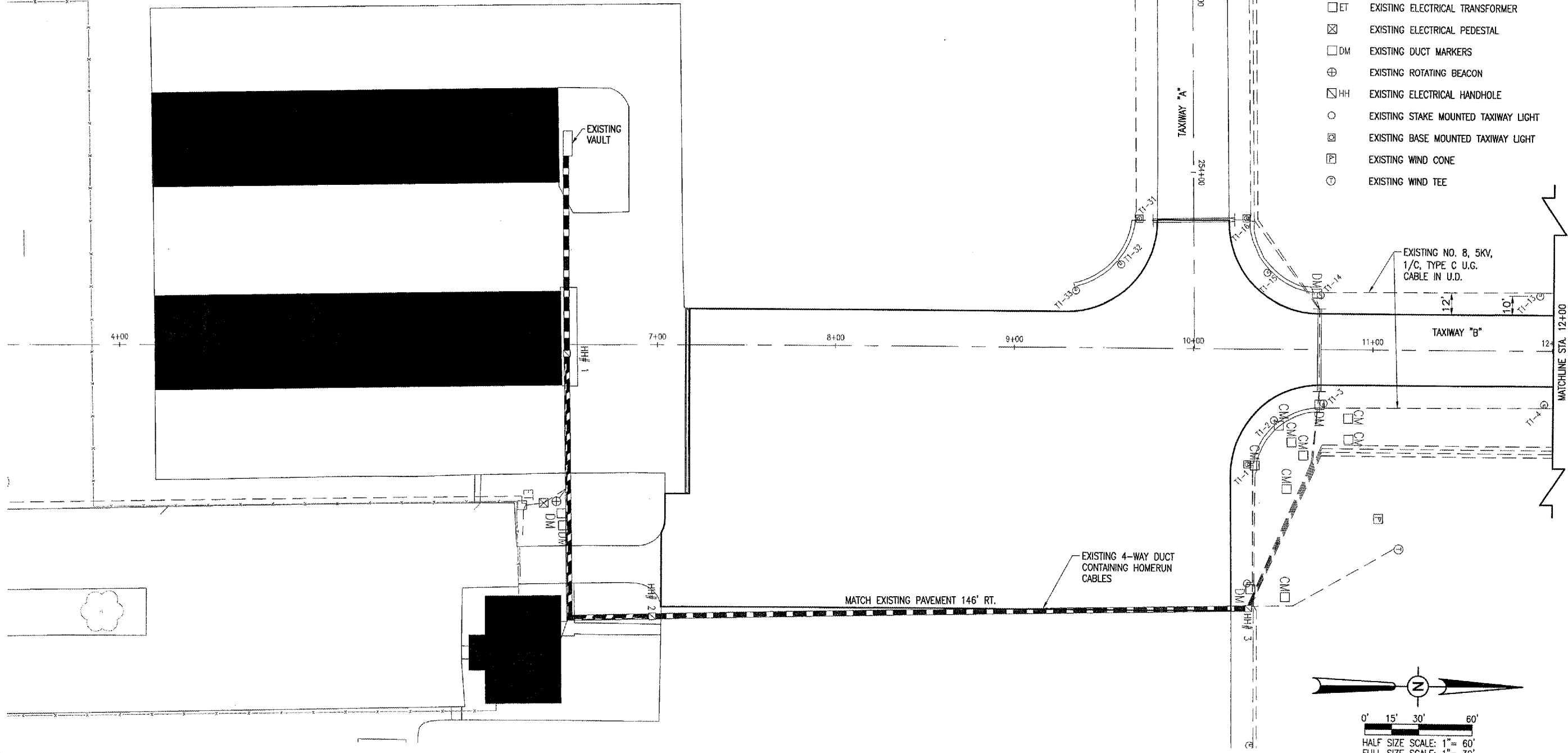
THE FOLLOWING LIGHTS WILL BE REMOVED AS PART OF THE LIGHTING IMPROVEMENT PORTION OF THE PROJECT: T1-1 THROUGH T1-16, T2-1 THROUGH T2-34, AND TAXI GUIDANCE SIGNS: TS-2 THROUGH TS-4.

THE FIXTURES AND FOUNDATIONS WILL BE REMOVED IN THEIR ENTIRETY AND THE SALVAGEABLE EQUIPMENT TURNED OVER TO THE AIRPORT MANAGER, AT HIS DISCRETION. ALL FIXTURES NOT CLAIMED BY THE AIRPORT WILL BE DISPOSED OF OFF THE AIRPORT SITE AT THE CONTRACTOR'S EXPENSE. ALL LABOR, MATERIALS, DISPOSAL, COORDINATION, AND INCIDENTALS REQUIRED TO COMPLETE THE TASK OF REMOVING THE LIGHTS AND SIGNS WILL BE CONSIDERED INCIDENTAL TO THE ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR IS REQUIRED TO FILL IN ALL HOLES AND DEPRESSIONS RESULTING FROM THE LIGHT AND SIGN REMOVALS, WITH EARTH FROM OFF SITE. THE AREAS SHALL BE COMPACTED TO PREVENT FUTURE SETTLEMENT. EACH REMOVAL LOCATION SHALL BE FERTILIZED, SEEDED, AND MULCHED IN ACCORDANCE WITH ITEMS 901 AND 908 RESPECTIVELY, IF OUTSIDE THE PROPOSED GRADING LIMITS OF THE PAVING PORTION OF THE PROJECT.

ELECTRICAL REMOVAL QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR125901	REMOVE STAKE MOUNTED LIGHT	EACH	42
AR125902	REMOVE BASE MOUNTED LIGHT	EACH	8
AR125904	REMOVE TAXI GUIDANCE SIGN	EACH	3

- LEGEND**
- EXISTING PAVEMENT
 - EXISTING BUILDINGS
 - PROPOSED IMPROVEMENTS
 - EXISTING ELECTRICAL CABLES
 - EXISTING ELECTRICAL DUCT
 - EXISTING ELECTRICAL TRANSFORMER
 - EXISTING ELECTRICAL PEDESTAL
 - EXISTING DUCT MARKERS
 - EXISTING ROTATING BEACON
 - EXISTING ELECTRICAL HANDHOLE
 - EXISTING STAKE MOUNTED TAXIWAY LIGHT
 - EXISTING BASE MOUNTED TAXIWAY LIGHT
 - EXISTING WIND CONE
 - EXISTING WIND TEE



DATE	REVISION	BY

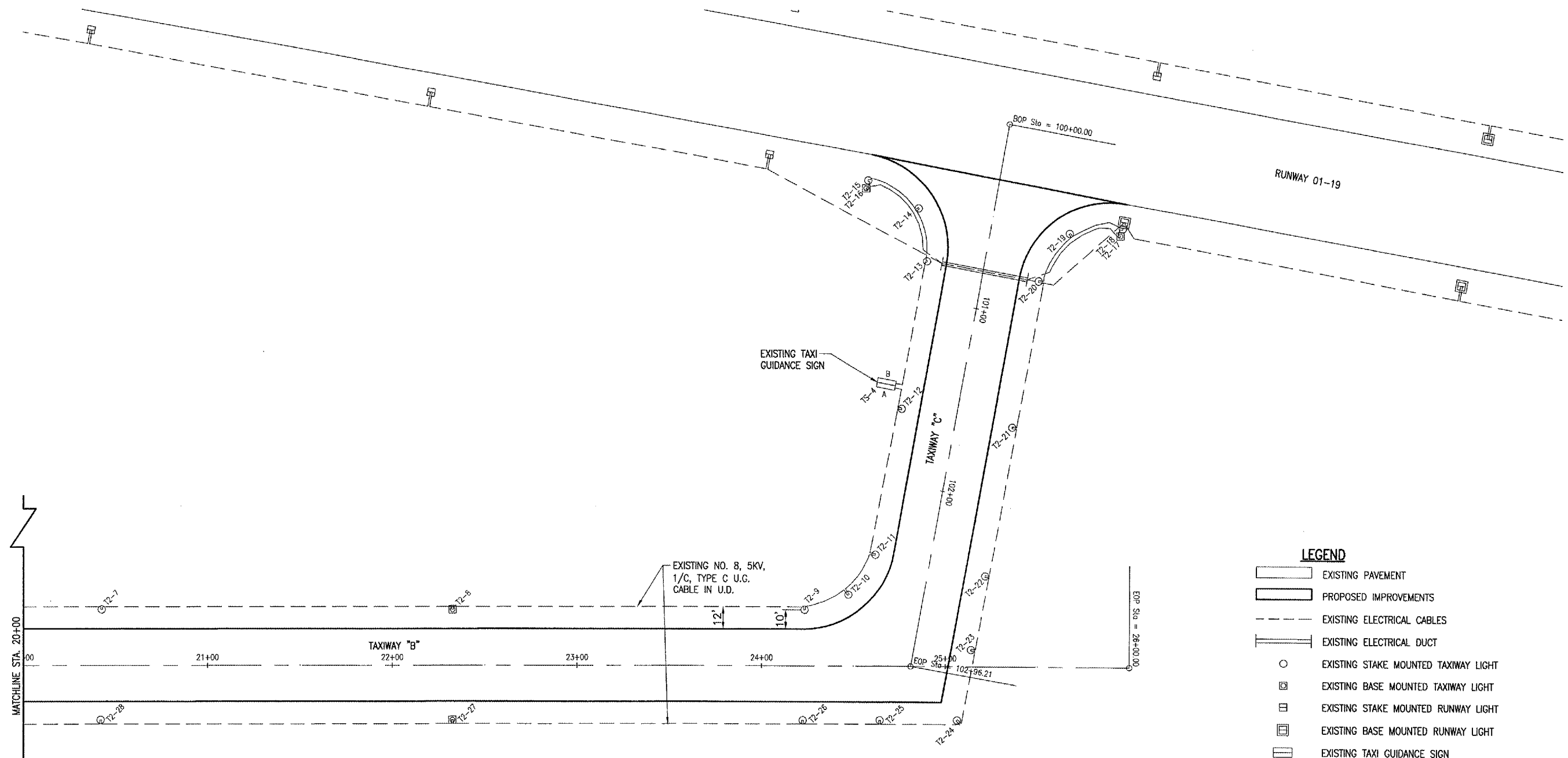
Kewanee Municipal Airport
Kewanee, Henry County, Illinois

IL PROJ.: E21-3533 A.I.P. PROJ.: 3-17-0558-B10

U.S. Project No. 810-06TXD.0600	Scale 1"=30'	Date 08/02/05
Electronic R-141ELE.DWG	Scale 1"=30'	Date 08/02/05
LAYOUT	R.A.W.	08/02/05
DRAWN	B.A.K.	08/02/05
REVIEWED	C.A.H.	04/27/06

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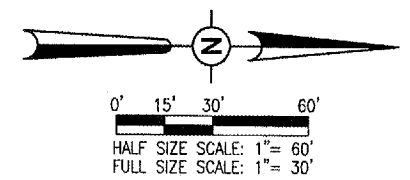
OVERLAY TAXIWAYS AND APRON
 EXISTING ELECTRICAL PLAN
 STA. 4+00 TO STA. 12+00



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.

- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED IMPROVEMENTS
 - EXISTING ELECTRICAL CABLES
 - EXISTING ELECTRICAL DUCT
 - EXISTING STAKE MOUNTED TAXIWAY LIGHT
 - EXISTING BASE MOUNTED TAXIWAY LIGHT
 - EXISTING STAKE MOUNTED RUNWAY LIGHT
 - EXISTING BASE MOUNTED RUNWAY LIGHT
 - EXISTING TAXI GUIDANCE SIGN



DATE	REVISION	BY

Kewanee Municipal Airport
Kewanee, Henry County, Illinois

IL PROJ.: E21-3533 A.I.P. PROJ.: 3-17-0058-B10

H.I. Project No. 810-061XXD_0800 Elevation R-141ELEL.DWG Scale 1"=30' Date 08/02/05	LAYOUT R.A.W. 08/02/05 DRAWN B.A.K. 08/02/05 REVIEWED C.A.H. 04/27/06
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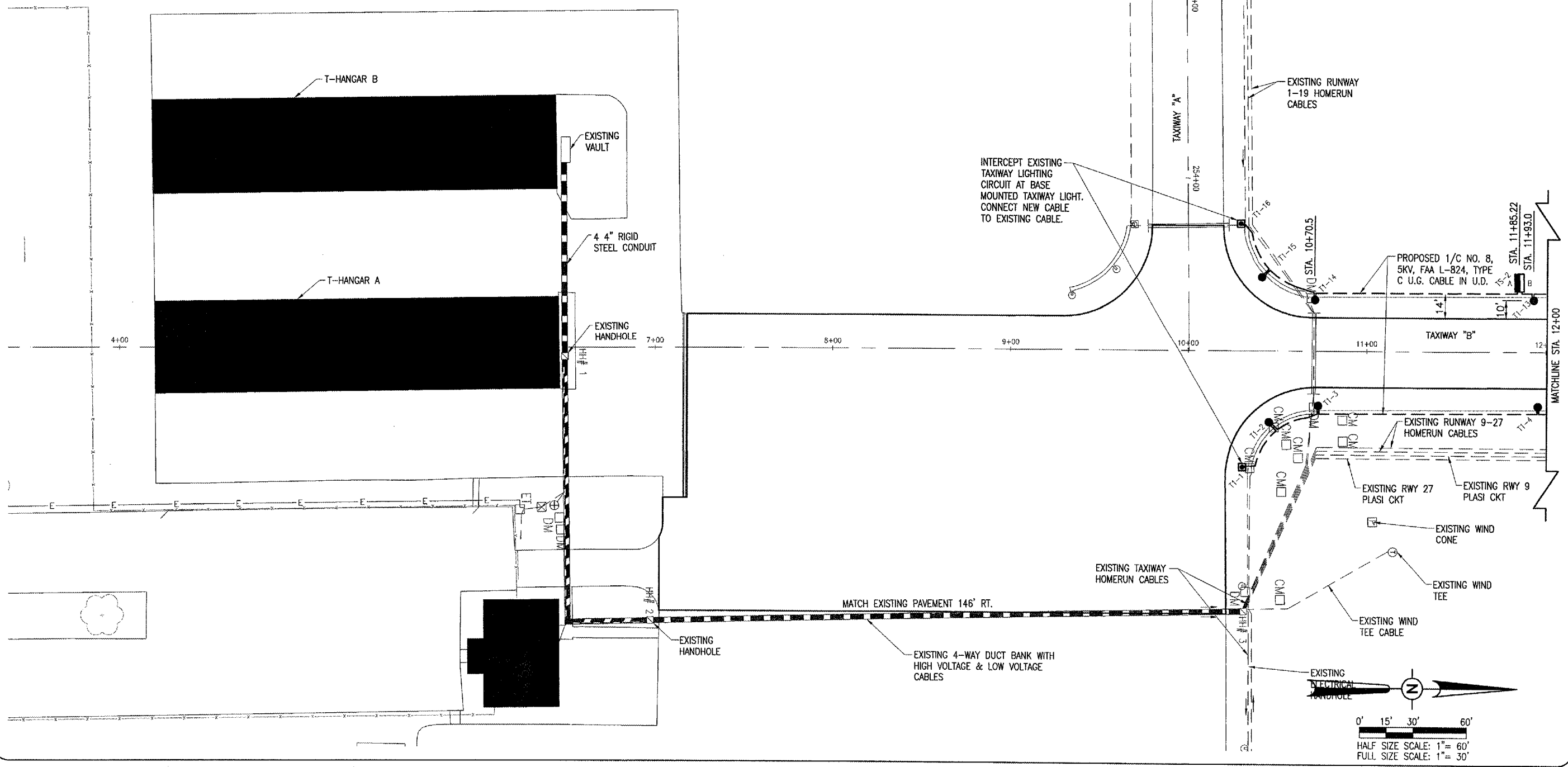
OVERLAY TAXIWAYS AND APRON
 EXISTING ELECTRICAL PLAN
 STA. 20+00 TO STA. 26+00

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.

- LEGEND**
- EXISTING PAVEMENT
 - EXISTING BUILDINGS
 - EXISTING ELECTRICAL CABLES
 - EXISTING ELECTRICAL DUCT
 - PROPOSED IMPROVEMENTS
 - PROPOSED 1/C NO. 8, 5KV, U.G. CABLE IN U.D.
 - EXISTING ELECTRICAL TRANSFORMER
 - EXISTING ELECTRICAL PEDESTAL
 - EXISTING DUCT MARKERS
 - EXISTING CABLE MARKERS
 - EXISTING ROTATING BEACON
 - EXISTING ELECTRICAL HANDHOLE
 - EXISTING STAKE MOUNTED TAXIWAY LIGHT
 - EXISTING BASE MOUNTED TAXIWAY LIGHT
 - EXISTING WIND CONE
 - EXISTING WIND TEE
 - PROPOSED STAKE MOUNTED TAXIWAY LIGHT
 - PROPOSED BASE MOUNTED TAXIWAY LIGHT

NOTE
 ABANDONMENT AND/OR REMOVAL OF EXISTING RUNWAY OR TAXIWAY LIGHTING CABLES SHALL BE INCIDENTAL TO ITEM AR108158 1/C NO. 8, 5KV, U.G. CABLE IN U.D.



DATE	REVISION	BY

Kewanee Municipal Airport
Kewanee, Henry County, Illinois

IL PROJ.: E2I-3533 A.I.P. PROJ.: 3-17-0058-B10

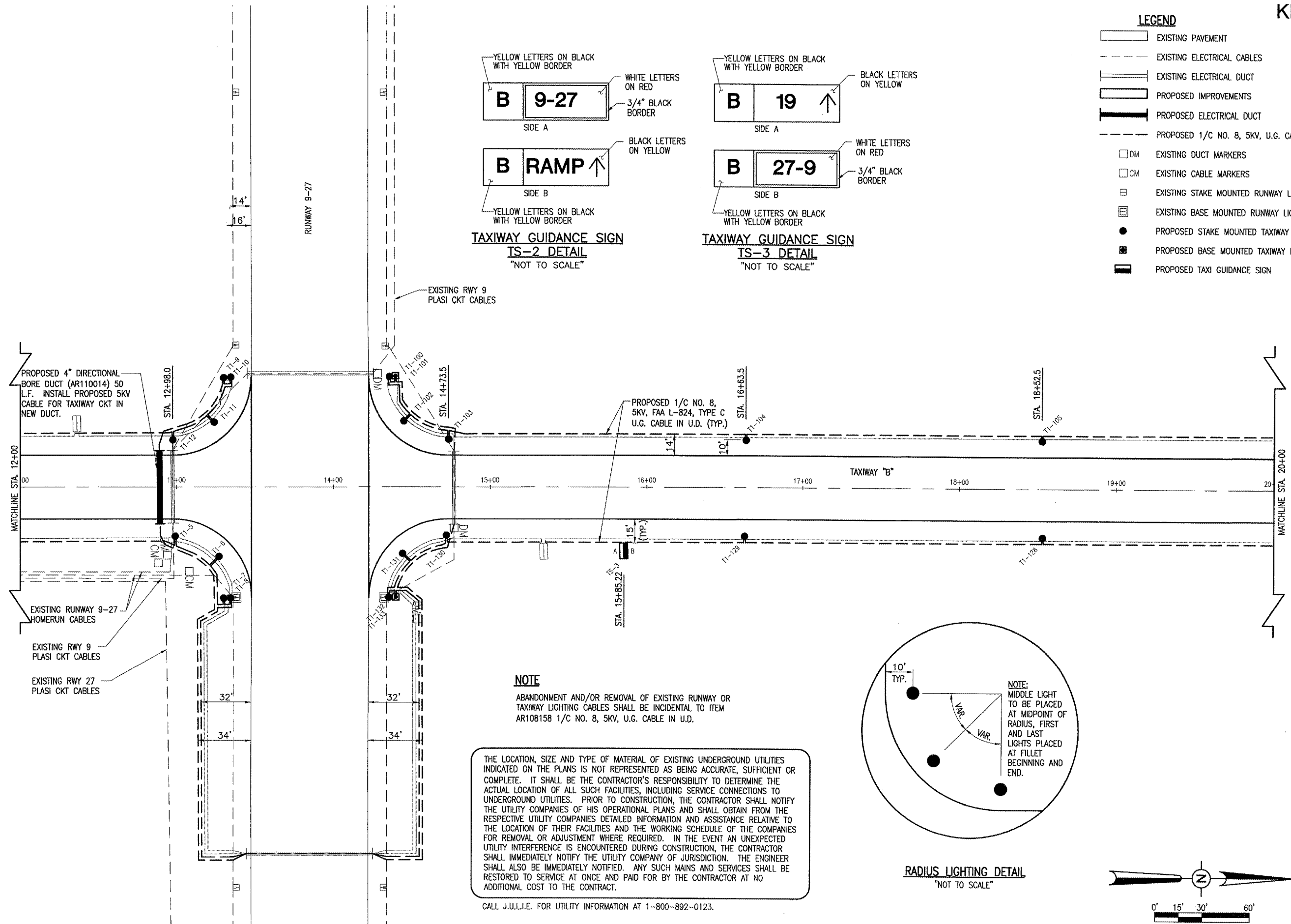
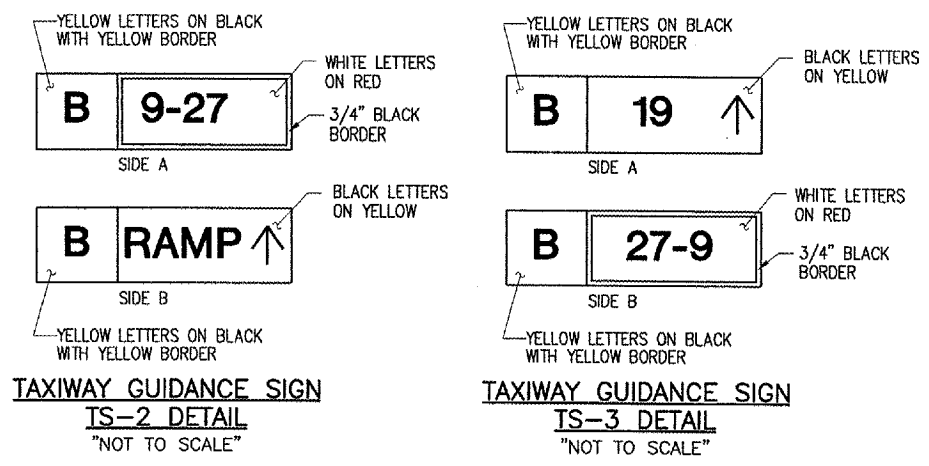
HE Project No. 810-08TXD 0800	Drawn 08/02/05	Reviewed 04/27/06
Plan No. R-142ELE.DWG	R.A.W.	B.A.K.
Scale 1"=30'	08/02/05	08/02/05
Date 08/02/05	C.A.H.	04/27/06

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 Indianapolis, Indiana 46214
 Offices Nationwide

OVERLAY TAXIWAYS AND APRON
PROPOSED ELECTRICAL PLAN
 STA. 4+00 TO STA. 12+00

I:\AIRPORTS\KEWANEE\810-08TXD\AIRPORT\SHEETS-SPUT\R-142ELE.DWG - STA. 4+00 TO STA. 12+00

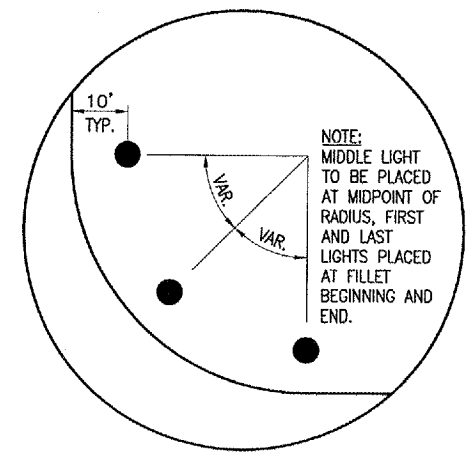
- LEGEND**
- EXISTING PAVEMENT
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 - EXISTING ELECTRICAL DUCT
 - PROPOSED IMPROVEMENTS
 - PROPOSED ELECTRICAL DUCT
 - PROPOSED 1/C NO. 8, 5KV, U.G. CABLE IN U.D.
 - EXISTING DUCT MARKERS
 - EXISTING CABLE MARKERS
 - EXISTING STAKE MOUNTED RUNWAY LIGHT
 - EXISTING BASE MOUNTED RUNWAY LIGHT
 - PROPOSED STAKE MOUNTED TAXIWAY LIGHT
 - PROPOSED BASE MOUNTED TAXIWAY LIGHT
 - PROPOSED TAXI GUIDANCE SIGN



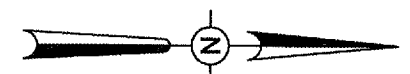
NOTE
ABANDONMENT AND/OR REMOVAL OF EXISTING RUNWAY OR TAXIWAY LIGHTING CABLES SHALL BE INCIDENTAL TO ITEM AR108158 1/C NO. 8, 5KV, U.G. CABLE IN U.D.

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NOTE: MIDDLE LIGHT TO BE PLACED AT MIDPOINT OF RADIUS, FIRST AND LAST LIGHTS PLACED AT FILLET BEGINNING AND END.



0' 15' 30' 60'
HALF SIZE SCALE: 1" = 60'
FULL SIZE SCALE: 1" = 30'

DATE	REVISION	BY

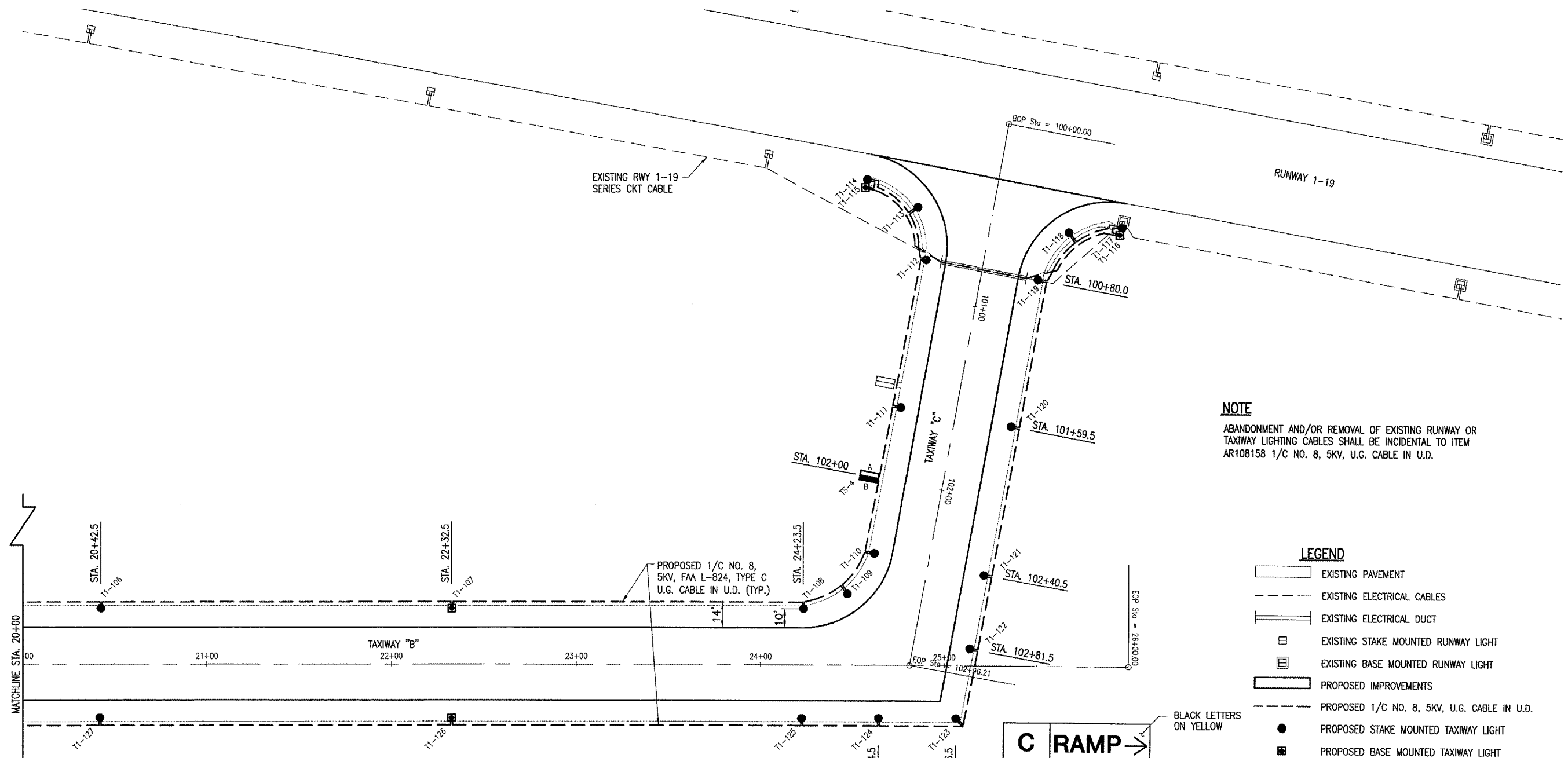
Kewanee Municipal Airport
Kewanee, Henry County, Illinois

IL PROJ: E21-3533 A.I.P. PROJ: 3-17-0058-B10

HEI Project No. 810-061000-0800	DATE 08/02/05
Drawn R-142ELE.DWG	DATE 08/02/05
Scale 1"=30'	DATE 08/02/05
DATE 08/02/05	DATE 04/27/06
LAYOUT R.A.W. 08/02/05	
DRAWN B.A.K. 08/02/05	
REVIEWED C.A.H. 04/27/06	

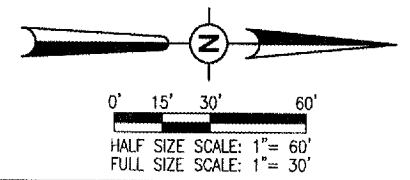
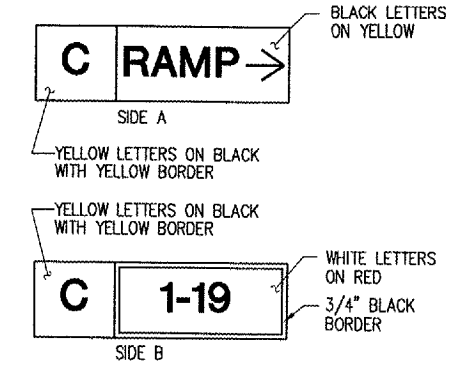


OVERLAY TAXIWAYS AND APRON
PROPOSED ELECTRICAL PLAN
STA. 12+00 TO STA. 20+00



NOTE
 ABANDONMENT AND/OR REMOVAL OF EXISTING RUNWAY OR TAXIWAY LIGHTING CABLES SHALL BE INCIDENTAL TO ITEM AR108158 1/C NO. 8, 5KV, U.G. CABLE IN U.D.

- LEGEND**
- EXISTING PAVEMENT
 - EXISTING ELECTRICAL CABLES
 - EXISTING ELECTRICAL DUCT
 - EXISTING STAKE MOUNTED RUNWAY LIGHT
 - EXISTING BASE MOUNTED RUNWAY LIGHT
 - PROPOSED IMPROVEMENTS
 - PROPOSED 1/C NO. 8, 5KV, U.G. CABLE IN U.D.
 - PROPOSED STAKE MOUNTED TAXIWAY LIGHT
 - PROPOSED BASE MOUNTED TAXIWAY LIGHT
 - PROPOSED TAXI GUIDANCE SIGN



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.

DATE	REVISION	BY

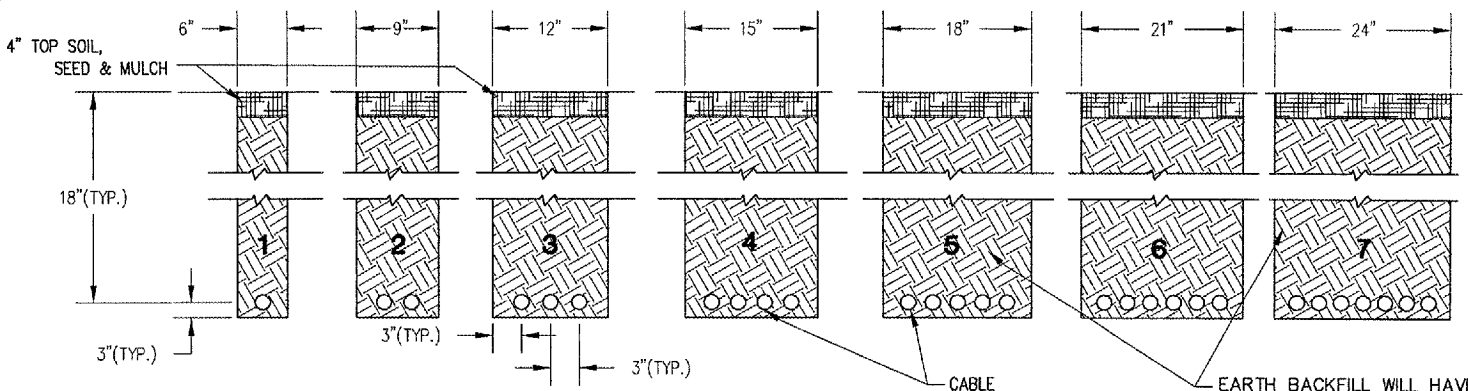
**Kewanee Municipal Airport
 Kewanee, Henry County, Illinois**

IL PROJ.: EJI-3533 A.I.P. PROJ.: 3-17-0058-B10

Project No.	810-081XXD_0800
File Name	R-142ELE.DWG
Scale	1"=30'
Date	08/02/05
LAYOUT	R.A.W. 08/02/05
DRAWN	B.A.K. 08/02/05
REVIEWED	C.A.H. 04/27/06

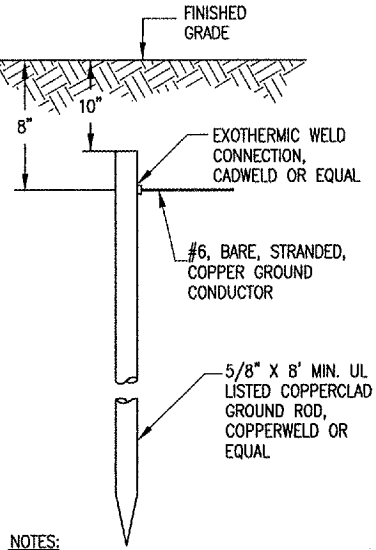
HANSON
 Professional Services Inc.
 5725 Dandy Trail, Suite 100
 Indianapolis, Indiana 46214
 Offices Nationwide

**OVERLAY TAXIWAYS
 AND APRON
 PROPOSED
 ELECTRICAL PLAN
 STA. 20+00 TO STA. 26+00**



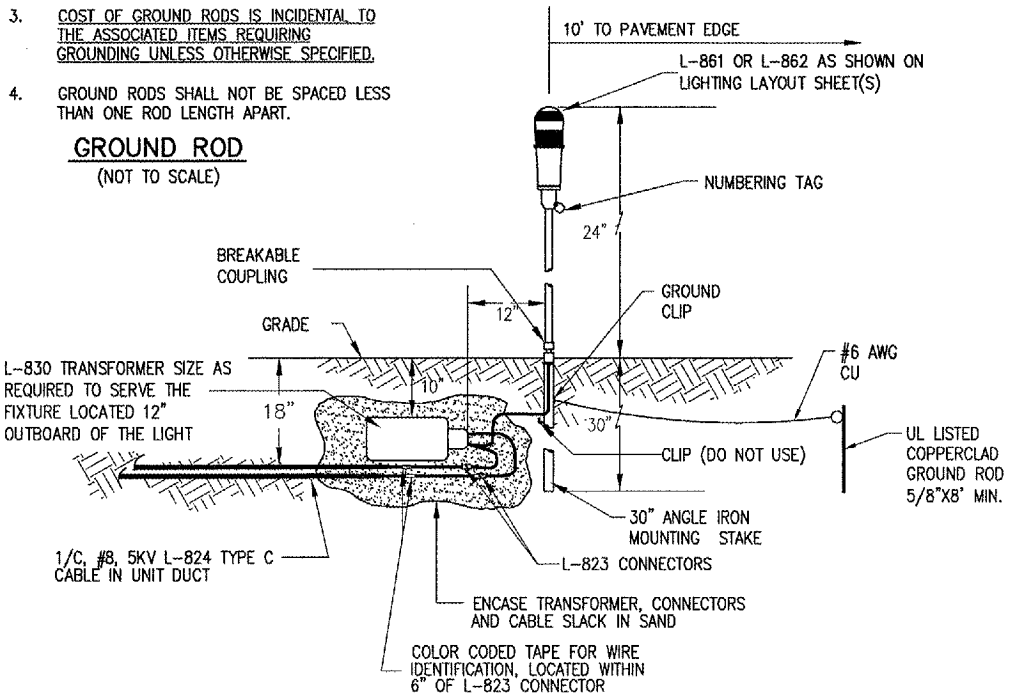
- NOTES:**
1. DETAIL NUMBERS INDICATE NO. OF CABLES.
 2. TRENCHES WITH MORE THAN SEVEN CABLES SHALL BE INCREASED 3" IN WIDTH FOR EACH ADDITIONAL CABLE; IF SPECIFIED ON PLANS TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.
 3. DEPTH OF TRENCHES SHALL BE AS SHOWN ABOVE UNLESS OTHERWISE SPECIFIED ON THE PLANS.
 4. ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST IS INCIDENTAL TO TRENCH. RETURFING MATERIALS AND RATES MAY BE SHOWN ON THE PLANS.

CABLE TRENCHES
(NOT TO SCALE)

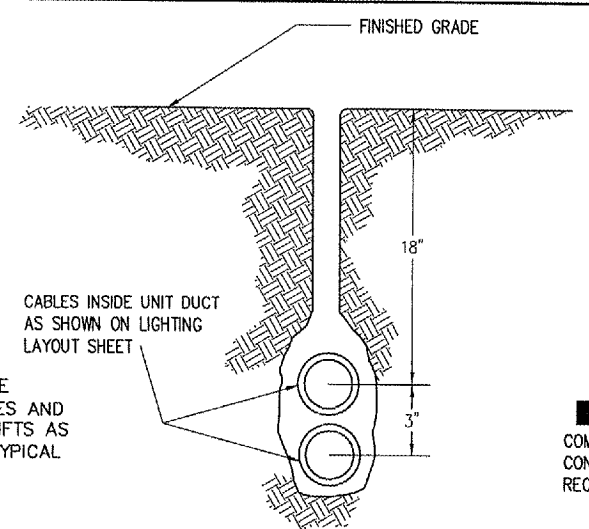


- NOTES:**
1. TYPE AND MINIMUM NUMBER OF GROUND RODS SHALL BE AS SPECIFIED ON THE PLAN.
 2. THE RESISTANCE TO GROUND OF THE GROUNDING SYSTEM SHALL NOT EXCEED 25 OHMS.
 3. COST OF GROUND RODS IS INCIDENTAL TO THE ASSOCIATED ITEMS REQUIRING GROUNDING UNLESS OTHERWISE SPECIFIED.
 4. GROUND RODS SHALL NOT BE SPACED LESS THAN ONE ROD LENGTH APART.

GROUND ROD
(NOT TO SCALE)

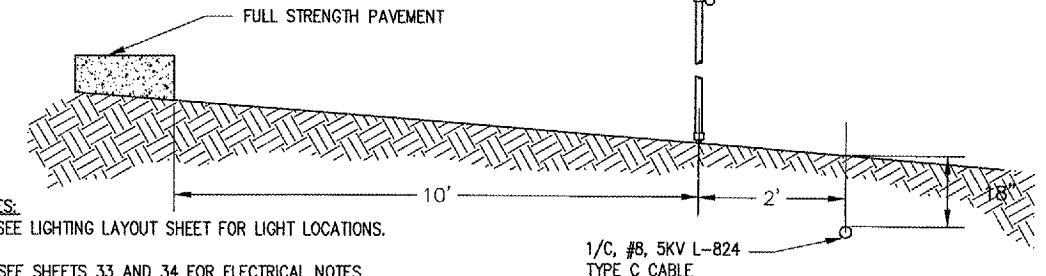


MEDIUM INTENSITY LIGHT - STAKE MOUNTED
(NOT TO SCALE)



PLOWED CABLE
(NOT TO SCALE)

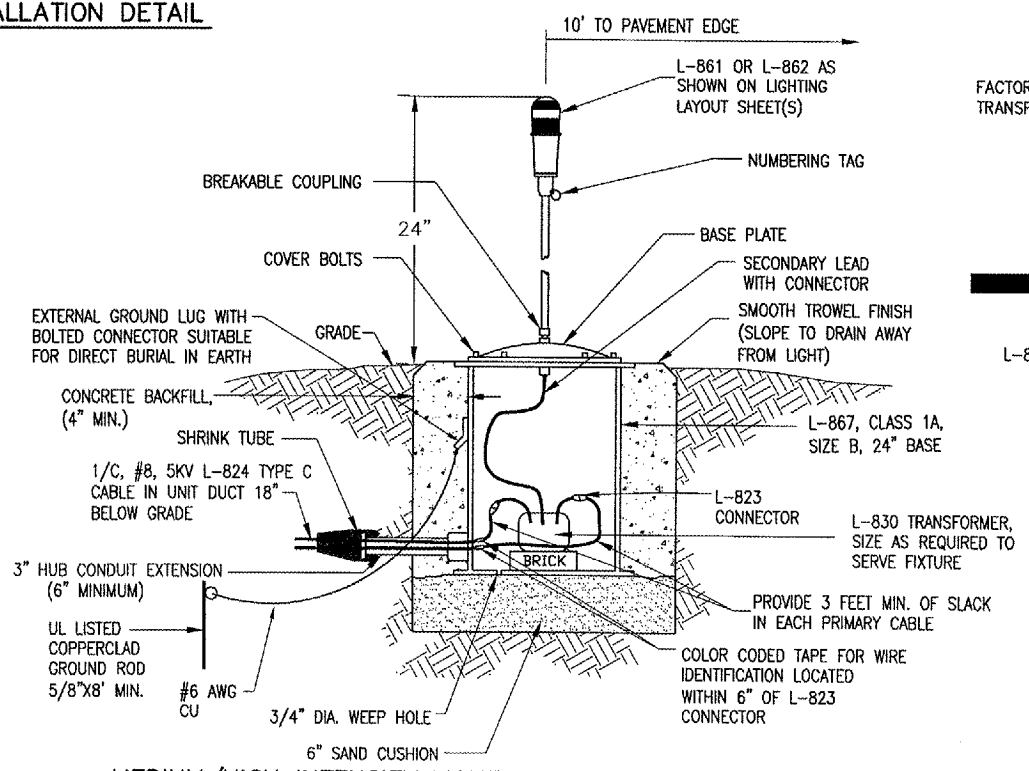
EARTH BACKFILL WILL HAVE MAXIMUM 1" SIZE PARTICLES AND WILL BE PLACED IN TWO LIFTS AS APPROXIMATELY SHOWN (TYPICAL FOR ALL TRENCHES)



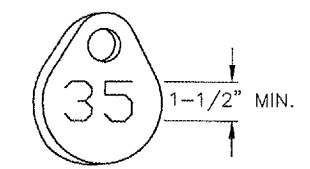
- NOTES:**
1. SEE LIGHTING LAYOUT SHEET FOR LIGHT LOCATIONS.
 2. SEE SHEETS 33 AND 34 FOR ELECTRICAL NOTES.

LIGHT AND CABLE INSTALLATION DETAIL
(NOT TO SCALE)

PROFILE VIEW

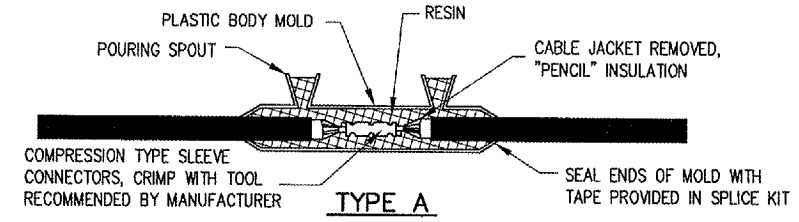


MEDIUM/HIGH INTENSITY LIGHT - BASE MOUNTED
(NOT TO SCALE)



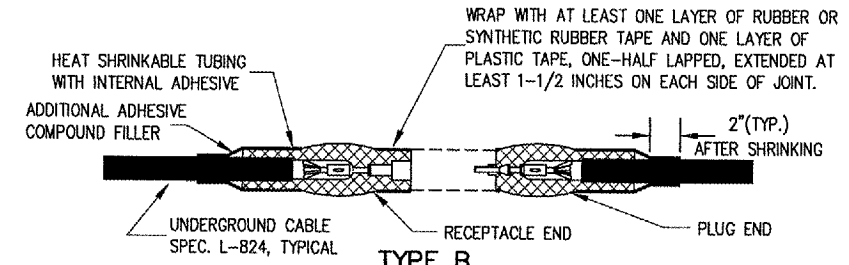
TAG DETAIL
(NOT TO SCALE)

NOTE:
AFFIX NON-CORROSIVE TAG TO FIXTURE FACING RUNWAY WITH SET SCREW, WIRE TIE, OR METAL BAND. NUMERALS SHALL BE ENGRAVED FOR PERMANENT READABILITY.



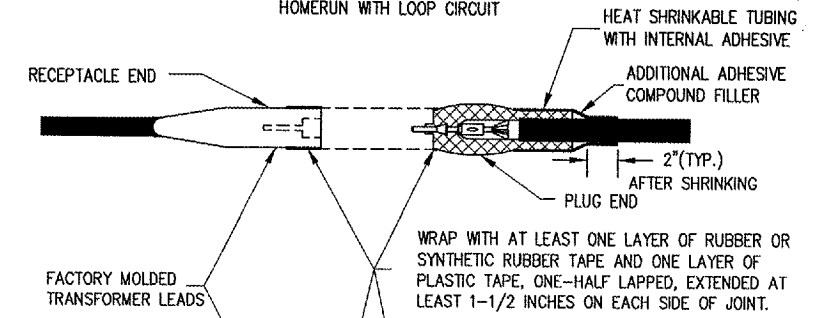
TYPE A

FOR SPLICES IN HOMERUNS FOR EXTENSIONS TO EXISTING CABLES ONLY



TYPE B

FOR SPLICES AT JUNCTION OF HOMERUN WITH LOOP CIRCUIT



TYPE C

FOR SPLICES AT RUNWAY LIGHTS

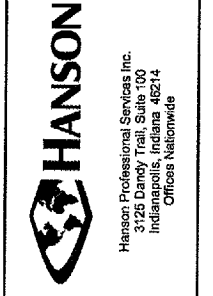
- NOTES:**
1. SEE LIGHTING LAYOUT SHEET(S) FOR SPLICE TYPE.
 2. INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE.

CABLE SPLICES
(NOT TO SCALE)

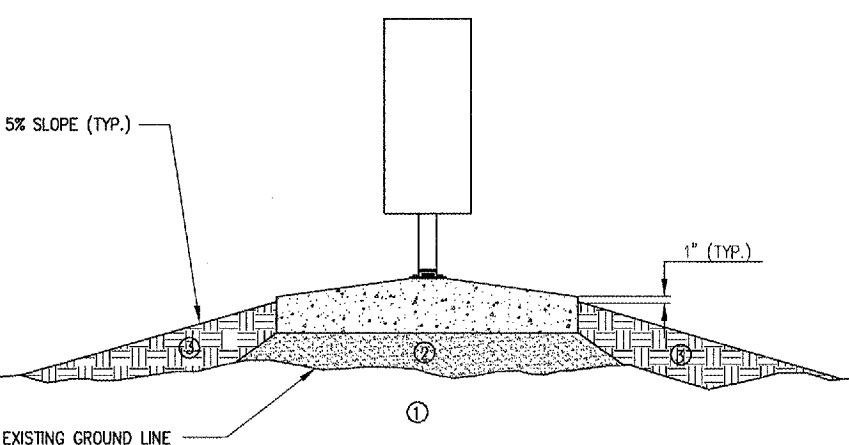
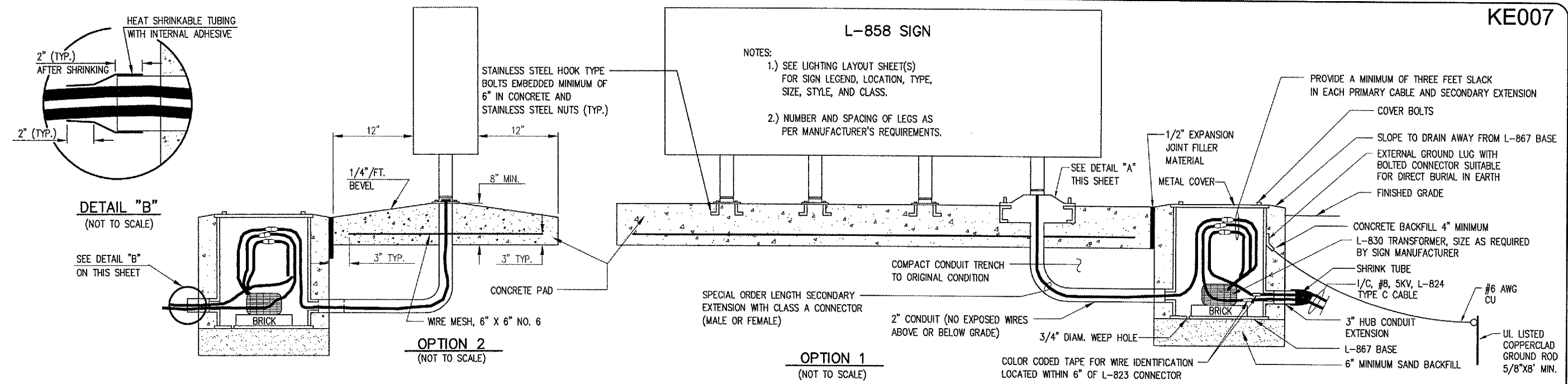
BY	
REVISION	
DATE	

KEWANEEN MUNICIPAL AIRPORT
KEWANEEN, HENRY COUNTY, ILLINOIS

PROJECT No.	810-061X1D-0800
Drawn	R-502ELD.DWG
Scale	N/A
Date	09/02/05
LAYOUT	R.A.W. 09/02/05
DRAWN	B.A.K. 09/02/05
REVIEWED	C.A.H. 04/27/06



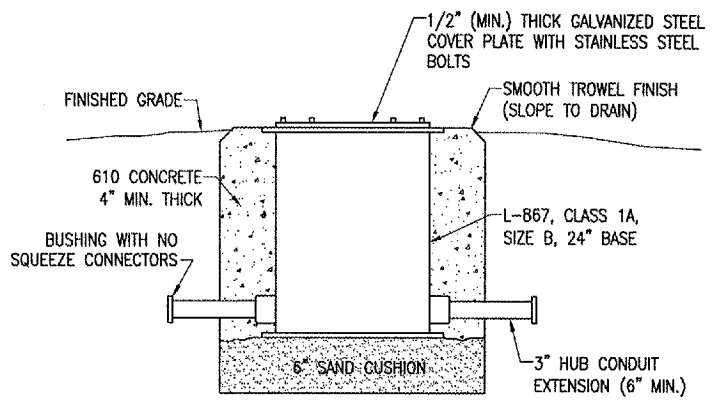
OVERLAY TAXIWAYS AND APRON
ELECTRICAL DETAILS



SIGN DETAIL
(NOT TO SCALE)

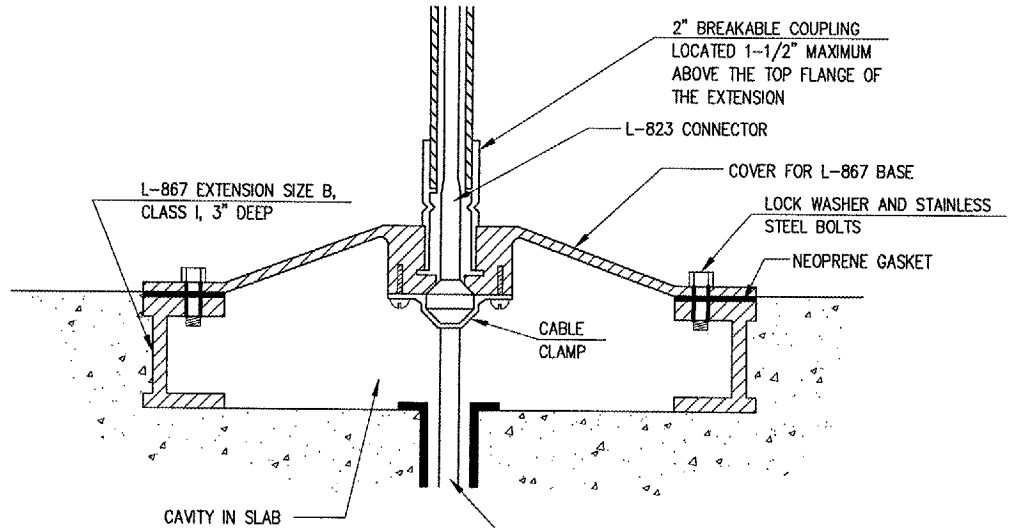
- ① EXISTING SOD TO BE STRIPPED AND REMOVED
- ② SAND BACKFILL, VARIABLE DEPTH
- ③ PROPOSED TOPSOIL BACKFILL MATERIAL

THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER, IN RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION AND THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE CONDITIONS ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION.



SPLICE CAN DETAIL
(NOT TO SCALE)

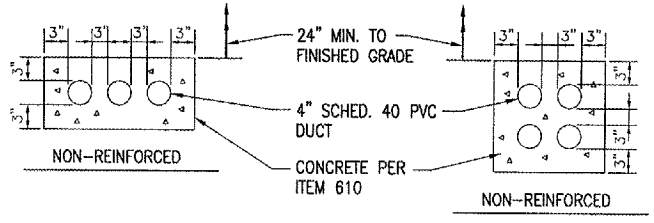
INCLUDE INTERNAL AND EXTERNAL GROUND LUGS



DETAIL "A"
(NOT TO SCALE)

GENERAL NOTES

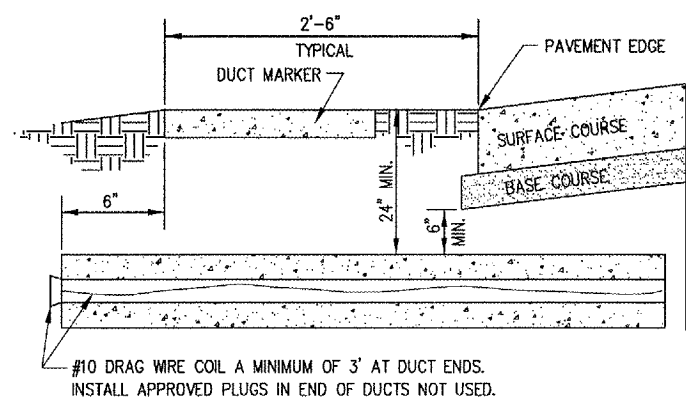
- 1. SEE LIGHTING LAYOUT SHEET FOR SIGN LEGEND, LOCATION, TYPE, SIZE, STYLE, AND CLASS.
- 2. SEE SHEETS 33 THROUGH 34 FOR ELECTRICAL NOTES.



NOTES:

- 1.) ALL DIMENSIONS ARE MINIMUM.
- 2.) INCLUDE DUCT SPACERS AS MANUFACTURED BY UNDERGROUND DEVICES INC., TO MAINTAIN PROPER SEPARATION OF CONDUITS.

CONCRETE ENCASED DUCT DETAIL
(3-WAY & 4-WAY SHOWN)



UNDERGROUND ELECTRICAL DUCT
(NOT TO SCALE)

BY	
REVISION	
DATE	

KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS
A.I.P. PROJ.: 3-17-0058-B10
IL PROJ.: E21-3533

Proj. No.	810-06TXVD_0800
Drawn	R-501ELDT.DWG
Scale	N/A
Date	09/02/05
LAYOUT	R.A.W. 09/02/05
DRAWN	B.A.K. 09/02/05
REVIEWED	C.A.H. 04/27/06

HANSON
Hanson Professional Services Inc.
3125 Dandy Trail, Suite 100
Indianapolis, Indiana 46214
Offices Nationwide

OVERLAY TAXIWAYS AND APRON
ELECTRICAL DETAILS


FIELD LIGHTING NOTES

1. UNLESS OTHERWISE NOTED, ALL UNDERGROUND FIELD POWER MULTIPLE AND SERIES CIRCUIT CONDUCTORS WHETHER DEB OR IN DUCT/CONDUIT SHALL BE FAA APPROVED L-824 TYPE. INSULATION VOLTAGE AND SIZE SHALL BE AS SPECIFIED.
2. NO COMPONENTS OF PRIMARY CIRCUIT SUCH AS CABLE, CONNECTORS AND TRANSFORMERS SHALL BE BROUGHT ABOVE GROUND AT EDGE LIGHTS, SIGNS, REIL, PAPI, ETC.
3. THERE SHALL BE NO EXPOSED POWER/CONTROL CABLES BETWEEN THE POINT WHERE THEY LEAVE THE UNDERGROUND (DEB OR L-867 BASES) AND WHERE THEY ENTER THE EQUIPMENT (SUCH AS TAXIWAY SIGNS, PAPI, REIL, ETC.) ENCLOSURES. THESE CABLES SHALL BE ENCLOSED IN RIGID CONDUIT OR IN FLEXIBLE, WATERTIGHT CONDUIT WITH BREAKABLE COUPLING(S) AT THE GRADE OR THE HOUSING COVER, AS SHOWN IN APPLICABLE DETAILS.
4. THE JOINTS OF THE L-823 PRIMARY CONNECTORS SHALL BE WRAPPED WITH AT LEAST ONE LAYER OF RUBBER OR SYNTHETIC RUBBER TAPE AND ONE LAYER OF PLASTIC TAPE, ONE-HALF LAPPED, EXTENDING AT LEAST 1-1/2 INCHES ON EACH SIDE OF THE JOINT, AS SHOWN ON SHEET NO. 27.
5. THE CABLE ENTRANCE INTO THE FIELD-ATTACHED L-823 CONNECTORS SHALL BE ENCLOSED BY A HEAT-SHRINKABLE TUBING WITH CONTINUOUS INTERNAL ADHESIVE, AS SHOWN ON SHEET NO. 27.
6. L-823 TYPE II, TWO-CONDUCTOR SECONDARY CONNECTORS SHALL BE CLASS 'A' (FACTORY MOLDED).
7. THERE SHALL BE NO SPLICES IN THE SECONDARY CABLE(S) WITHIN THE STEMS OF A RUNWAY/TAXIWAY EDGE/THRESHOLD LIGHTING FIXTURE AND THE WIREWAYS LEADING TO TAXIWAY SIGNS AND PAPI/REIL EQUIPMENT.
8. ELECTRICAL INSULATING GREASE SHALL BE APPLIED WITHIN THE L-823, SECONDARY, TWO CONDUCTOR CONNECTORS TO PREVENT WATER ENTRANCE. THESE CONNECTORS SHALL NOT BE TAPED.
9. DEB ISOLATION TRANSFORMERS SHALL BE BURIED AT A DEPTH OF TEN (10") INCHES ON A LINE CROSSING THE LIGHT AND PERPENDICULAR TO THE RUNWAY/TAXIWAY CENTERLINE AT A LOCATION TWELVE (12") INCHES FROM THE LIGHT OPPOSITE FROM THE RUNWAY/TAXIWAY.
10. A SLACK OF THREE (3') FEET, MINIMUM, SHALL BE PROVIDED IN THE PRIMARY CABLE AT EACH TRANSFORMER/CONNECTOR TERMINATION. AT STAKE-MOUNTED LIGHTS, THE SLACK SHALL BE LOOSELY COILED IMMEDIATELY BELOW THE ISOLATION TRANSFORMER.
11. DIRECTION OF PRIMARY CABLES SHALL BE IDENTIFIED BY COLOR CODING AS FOLLOWS: WHEN FACING LIGHT WITH BACK TO PAVEMENT, CABLE TO THE LEFT IS CODED RED AND CABLE TO RIGHT IS CODED BLUE. THIS APPLIES TO STAKE MOUNTED LIGHTS AND BASE MOUNTED LIGHTS WHERE THE BASE HAS ONLY ONE ENTRANCE.
12. L-867 BASES SHALL BE SIZE B, 24" DEEP, CLASS I, UNLESS OTHERWISE NOTED.
13. BASE MOUNTED BREAKABLE COUPLINGS SHALL NOT HAVE WEEP HOLES TO THE OUTSIDE. PLUGGED UP HOLES SHALL NOT BE ACCEPTABLE. IT SHALL BE A 1/4" DIAMETER, MINIMUM, OR EQUIVALENT OPENING FOR DRAINAGE FROM THE SPACE AROUND THE SECONDARY CONNECTOR INTO THE L-867 BASE.
14. THE ELEVATION OF THE BREAKABLE COUPLING GROOVE SHALL NOT EXCEED 1-1/2" ABOVE THE EDGE OF THE COVER IN CASE OF BASE MOUNTED COUPLINGS, OR THE TOP OF THE STAKE IN CASE OF STAKE MOUNTED COUPLINGS.

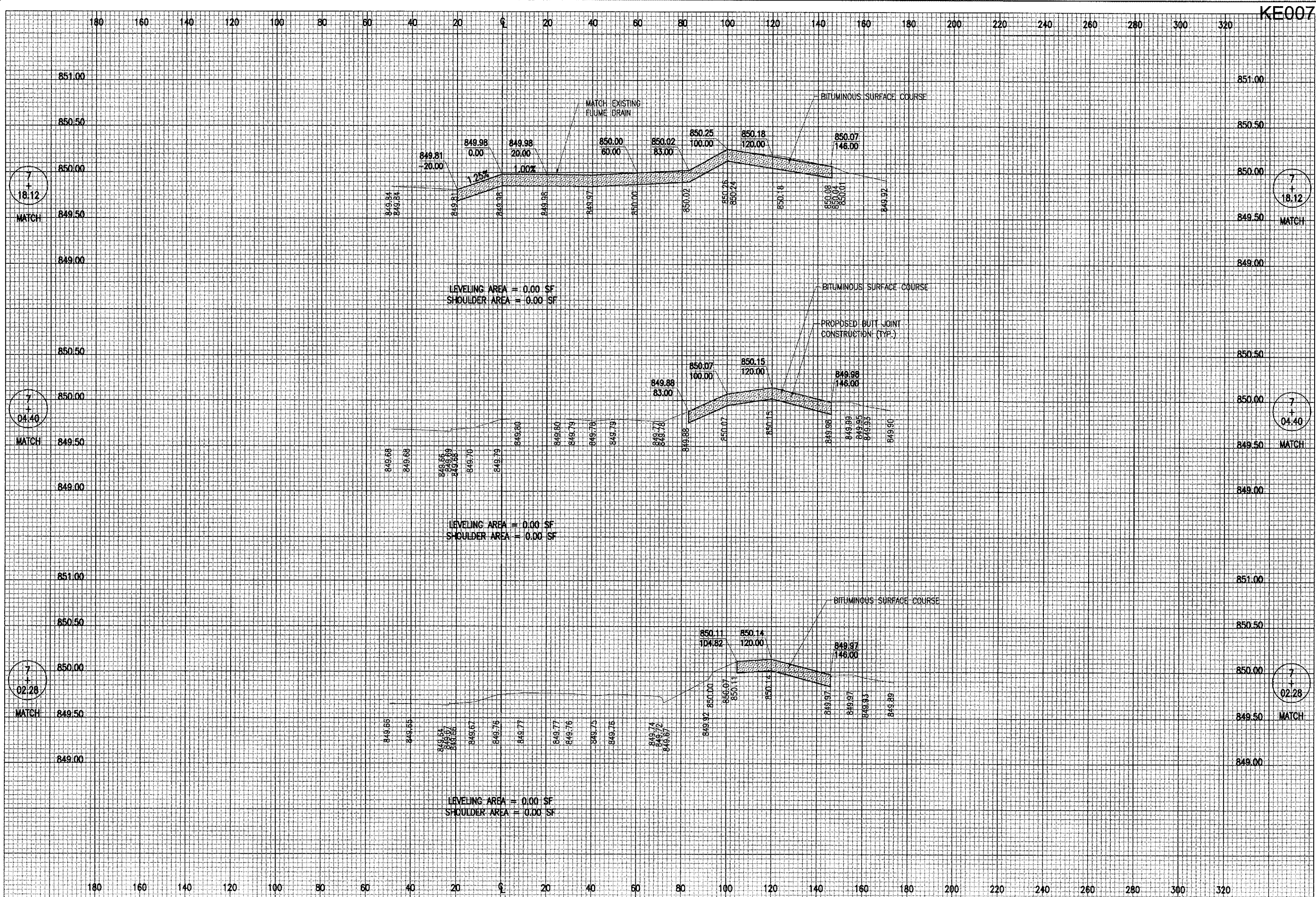
15. WHERE THE BREAKABLE COUPLING IS NOT AN INTEGRAL PART OF THE LIGHT FIXTURE STEM OR MOUNTING LEG, A BEAD OF SILICON SEAL SHALL BE APPLIED COMPLETELY AROUND LIGHT STEM OR WIREWAY AT BREAKABLE COUPLING TO PROVIDE A WATERTIGHT SEAL.
16. TOPS OF THE STAKES SUPPORTING LIGHT FIXTURES SHALL BE FLUSH WITH THE SURROUNDING GRADE.
17. PLASTIC LIGHTING FIXTURE COMPONENTS, SUCH AS LAMP HEADS, STEMS, BREAKABLE COUPLINGS, BASE COVERS, BRACKETS, STAKES, SHALL NOT BE ACCEPTABLE.
18. THE TOLERANCE FOR THE HEIGHT OF RUNWAY/TAXIWAY EDGE LIGHTS SHALL BE: ONE (1) INCH. IN CASE OF STAKE MOUNTED LIGHTS, THE SPECIFIED LIGHTING FIXTURE HEIGHT SHALL BE MEASURED BETWEEN THE TOP OF THE STAKE AND THE TOP OF THE LENS. IN CASE OF BASE MOUNTED LIGHTS, THE SPECIFIED LIGHTING FIXTURE HEIGHT SHALL BE MEASURED BETWEEN THE TOP OF THE BASE FLANGE AND THE TOP OF THE LENS, THUS INCLUDING THE BASE COVER, THE FRANGIBLE COUPLING, THE STEM, THE LAMP HOUSING AND THE LENS.
19. THE TOLERANCE FOR THE LATERAL SPACING (LIGHT LANE TO RUNWAY/TAXIWAY CENTERLINE) OF RUNWAY/TAXIWAY EDGE LIGHTS SHALL BE ONE (1) INCH. THIS ALSO APPLIES AT INTERSECTIONS TO LATERAL SPACING BETWEEN LIGHTS OF A RUNWAY/TAXIWAY AND THE INTERSECTING RUNWAY/TAXIWAY.
20. ENTRANCES INTO L-867 BASES SHALL BE SEALED WITH HEAT SHRINK AS SHOWN IN DETAIL "B" ON SHEET NO. 27.
21. GALVANIZED/PAINTED EQUIPMENT/COMPONENT SURFACES SHALL NOT BE DAMAGED BY DRILLING, FILING, ETC. DRAIN HOLES IN METAL TRANSFORMER HOUSINGS SHALL BE MADE BEFORE GALVANIZING.
22. EDGE LIGHT NUMBERING TAGS SHALL BE FACING THE PAVEMENT.
23. CABLE/SPLICE/DUCT MARKERS SHALL BE PRECAST CONCRETE OF THE SIZE SHOWN. LETTERS/NUMBERS/ARROWS FOR THE LEGEND TO BE IMPRESSED INTO THE TOPS OF THE MARKERS SHALL BE PRE-ASSEMBLED AND SECURED IN THE MOLD BEFORE THE CONCRETE IS POURED. LEGEND INSCRIBED BY HAND IN WET CONCRETE SHALL NOT BE ACCEPTABLE.
24. ALL UNDERGROUND CABLE RUNS SHALL BE IDENTIFIED BY CABLE MARKERS AT 200 FEET MAXIMUM SPACING, WITH AN ADDITIONAL MARKER AT EACH CHANGE OF DIRECTION OF THE CABLE RUN. CABLE MARKERS SHALL BE INSTALLED IMMEDIATELY ABOVE THE CABLES.
25. THERE SHALL BE NO SPLICES BETWEEN THE ISOLATION TRANSFORMERS. L-823 CONNECTORS ARE ALLOWED AT TRANSFORMER CONNECTIONS ONLY, UNLESS OTHERWISE SHOWN.
26. APPLY AN OXIDE INHIBITING, ANTI-SEIZING COMPOUND TO ALL SCREWS, NUTS AND BREAKAGE COUPLING THREADS.
27. LOCATIONS OF ENDS OF ALL UNDERGROUND DUCTS SHALL BE IDENTIFIED BY DUCT MARKERS.
28. WHERE A PARALLEL, CONSTANT VOLTAGE PAPI SYSTEM IS PROVIDED, THE "T" SPLICES SHALL BE OF THE CAST TYPE.
29. CONCRETE USED FOR SLABS, FOOTINGS, BACKFILL AROUND TRANSFORMER HOUSINGS, MARKINGS, ETC. SHALL BE 3000 PSI, AIR-ENTRAINED.
30. ALL POWER AND CONTROL CABLES IN MAN/HAND HOLES SHALL BE TAGGED. USE EMBOSSED COPPER STRIPS TO BE ATTACHED AT BOTH ENDS TO THE CABLE BY THE USE OF PLASTIC STRAPS. MINIMUM OF TWO TAGS SHALL BE PROVIDED ON EACH CABLE IN A MAN/HAND HOLE-ONE AT THE CABLE ENTRANCE AND ONE AT THE CABLE EXIT.

GROUNDING NOTES

1. ALL GROUND CONNECTIONS TO GROUND RODS, BUSSES, PANELS, ETC. SHALL BE MADE WITH PRESSURE TYPE SOLDERLESS LUGS AND GROUND CLAMPS SOLDERED OR BOLT AND WASHER TYPE CONNECTIONS ARE NOT ACCEPTABLE. CLEAN ALL METAL SURFACES BEFORE MAKING GROUND CONNECTIONS. CONNECTIONS TO GROUND RODS SHALL BE EXOTHERMIC WELD WHERE SPECIFIED HEREIN.
2. TOP OF GROUND RODS SHALL BE TEN (10) INCHES BELOW GRADE, UNLESS SPECIFIED OTHERWISE HEREIN, FOR RESPECTIVE APPLICATIONS.
3. THE RESISTANCE TO GROUND OF THE VAULT GROUNDING SYSTEM WITH THE COMMERCIAL POWER LINE NEUTRAL DISCONNECTED SHALL NOT EXCEED 10 OHMS.

DATE	REVISION	BY	
<p>Kewanee Municipal Airport, Illinois Kewanee, Henry County, Illinois</p> <p style="font-size: small;">A.I.P. PROJ.: 3-17-0058-B10 ILL. PROJ.: E21-3533</p>			
IBE Project No. 810-067X1D-0800 File Name R-502-ELEC.DWG Scale N/A Date 09/02/05	LAYOUT 09/02/05 DRAWN B.A.K. 09/02/05 REVIEWED C.A.H. 04/27/06	 <p style="font-size: x-small;">Hanson Professional Services Inc. 3125 Dandy Trail, Suite 100 Indianapolis, Indiana 46214 Offices Nationwide</p>	
<p>OVERLAY TAXIWAYS AND APRON</p>		<p>ELECTRICAL NOTES</p>	
<p style="font-size: 2em; font-weight: bold;">30</p> <p style="font-size: x-small;">30 of 47 sheets</p>			

I:\AIRPORTS\Kewanee\810-067X1D\AIRPORT_SHEETS-SPLIT\R-502-ELEC.DWG - ELEC. NOTES

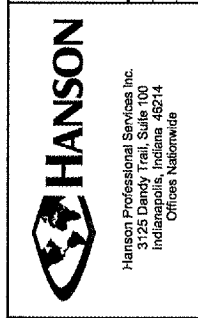


DATE	REVISION	BY

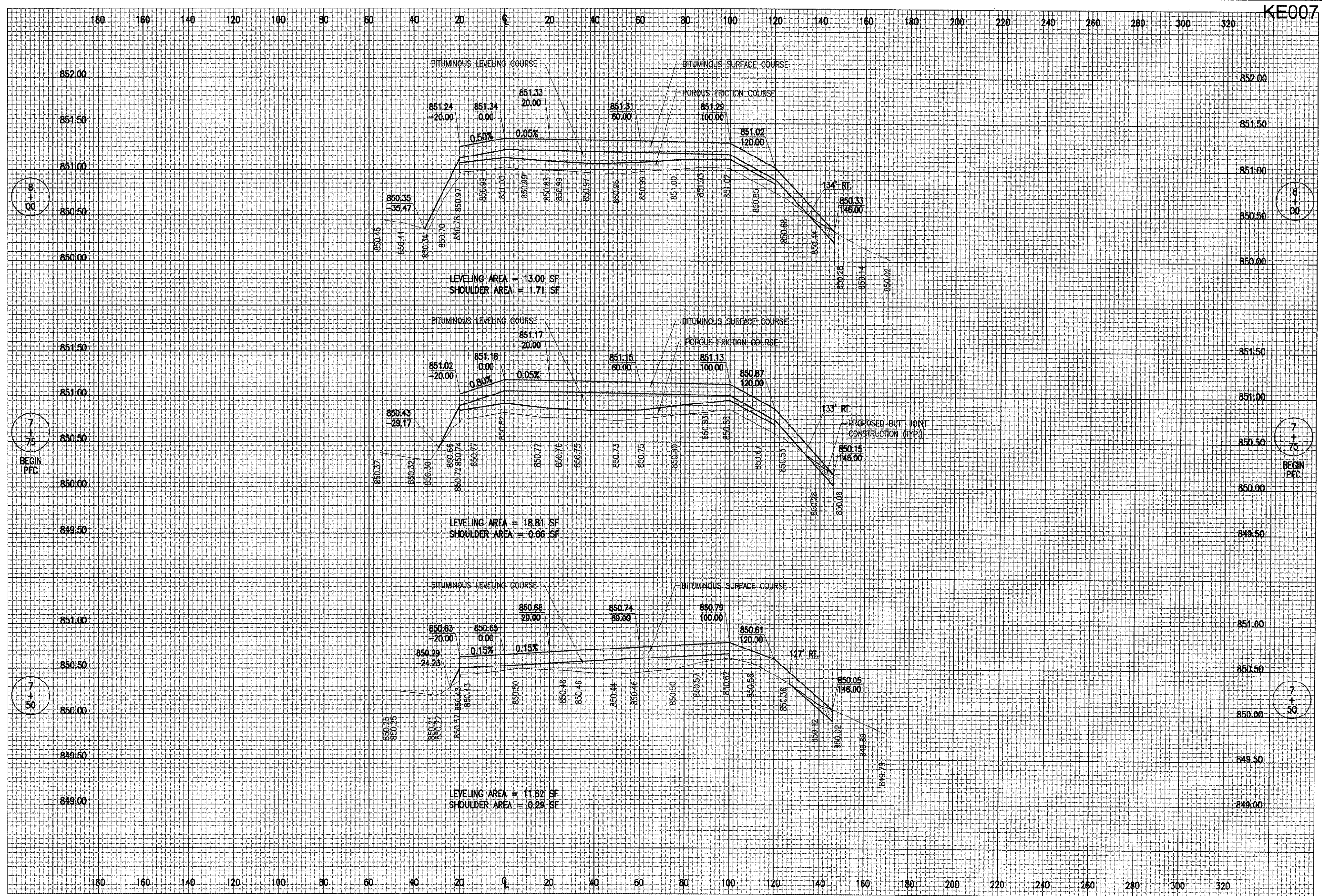
Kewanee Municipal Airport
Kewanee, Henry County, Illinois

IL. PROJ.: E2I-3533 A.I.P. PROJ.: 3-17-0058-B10

IPI Project No. 810-061X10 0800 File Name: R-301-RAMP.DWG Scale: H. 1" = 20' V. 1" = 0.5' Date: 08/29/05	
LAYOUT	R.A.W. 08/29/05
DRAWN	B.A.K. 08/29/05
REVIEWED	C.A.H. 04/27/06



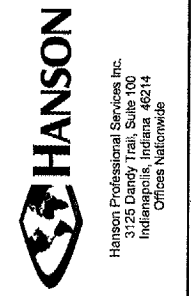
OVERLAY TAXIWAYS
AND APRON
PROPOSED
APRON CROSS-SECTIONS
STA. 7+02.28 TO STA. 7+18.12



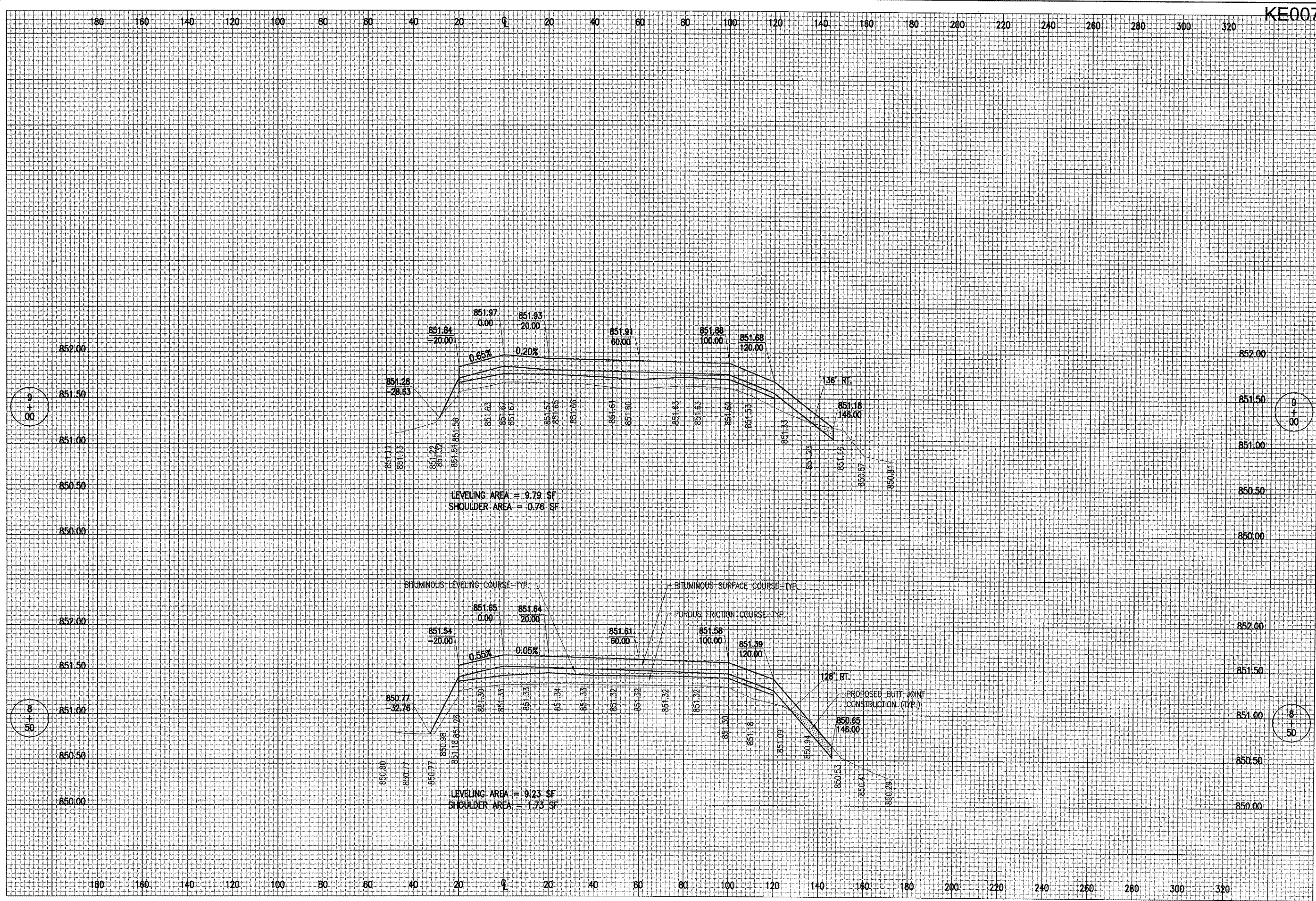
DATE	REVISION	BY

Kewanee Municipal Airport
 Kewanee, Henry County, Illinois
 I.L. PROJ.: E21-3533 A.I.P. PROJ.: 3-17-0058-B10

REI Project No. 810-06TYD 0800 Drawing R-302-RAMP.DWG Scale H. 1" = 20' V. 1" = 0.5' Date 08/29/05	LAYOUT R.A.W. 08/29/05 DRAWN B.A.K. 08/29/05 REVIEWED C.A.H. 04/27/06
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OVERLAY TAXIWAYS
 AND APRON
 PROPOSED
 APRON CROSS-SECTIONS
 STA. 7+50 TO STA. 8+00

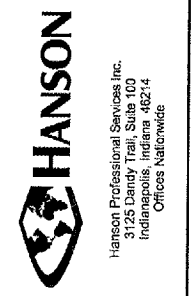


DATE	REVISION	BY

Kewanee Municipal Airport
Kewanee, Henry County, Illinois

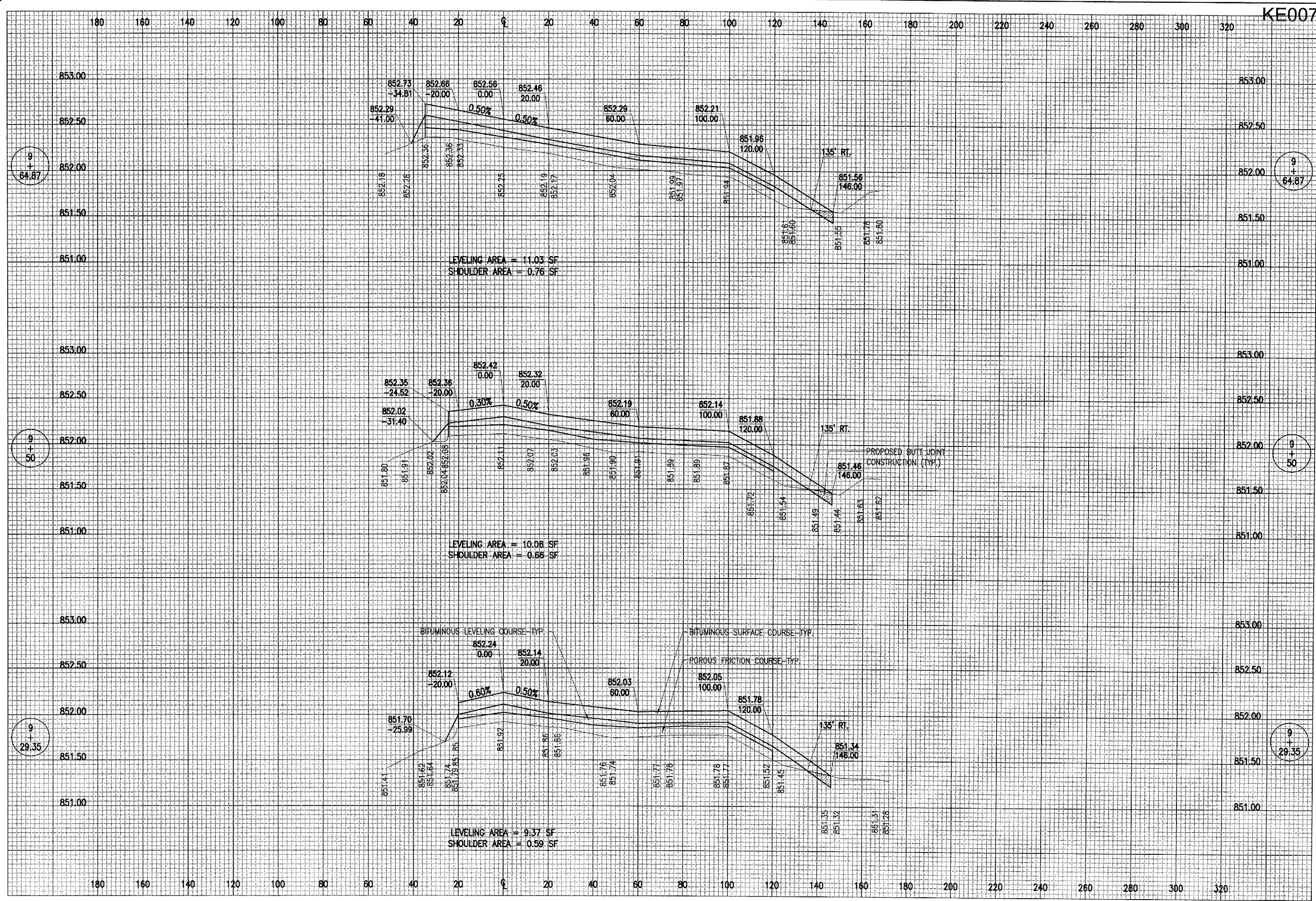
IL PROJ.: E2I-3533 A.I.P. PROJ.: 3-17-0058-B10

HB Project No. 810-06TXYD 0800 Filename: R-303-RAMP.DWG Scale: H, 1" = 20'; V, 1" = 0.5' Date: 08/29/05	LAYOUT DRAWN REVIEWED	R.A.W. B.A.K. C.A.H.	08/29/05 08/29/05 04/27/06
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OVERLAY TAXIWAYS AND APRON

PROPOSED
 APRON CROSS-SECTIONS
 STA. 8+50 TO STA. 9+00



DATE	REVISION	BY

KEWANEE MUNICIPAL AIRPORT
 KEWANEE, HENRY COUNTY, ILLINOIS

IL. PROJ.: E21-3533 A.I.P. PROJ.: 3-17-0058-B10

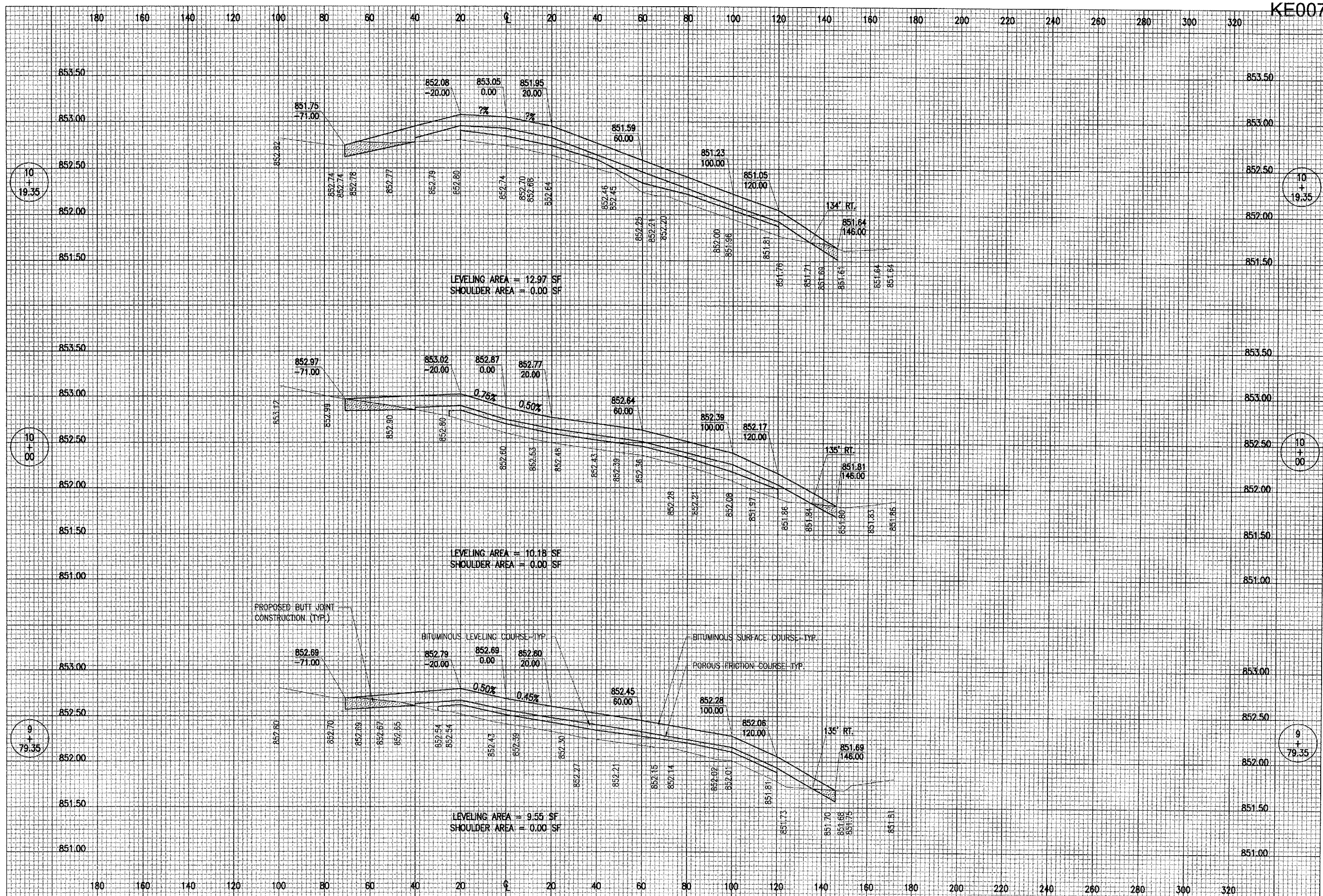
FILE Project No. 810-0617XD_0800	DATE 08/29/05
Revision R-304-RAMP.DWG	LAYOUT R.A.W. 08/29/05
Scale H. 1" = 20' V. 1" = 0.5'	DRAWN B.A.K. 08/29/05
	REVIEWED C.A.H. 04/27/06



OVERLAY TAXIWAYS AND APRON
 PROPOSED
 APRON CROSS-SECTIONS
 STA. 9+29.35 TO STA. 9+64.87

I:\AIRPORTS\KEWANEE\B10-061XYD\AIRPORT_SHEETS-SPLIT\R-305-RAMP.DWG - STA. 9+79.35 TO STA. 10+19.35

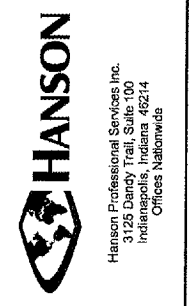
KE007



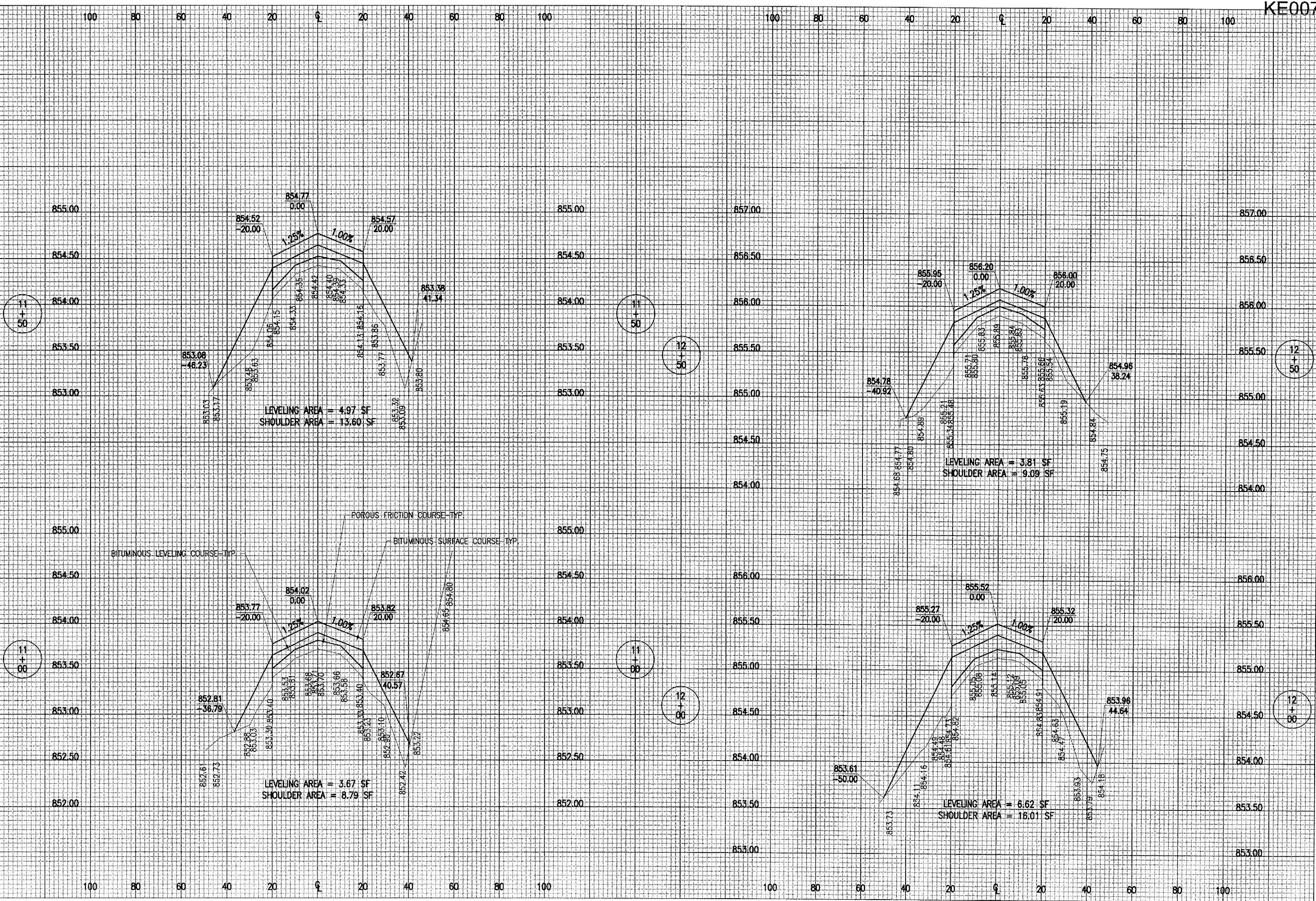
DATE	REVISION	BY

Kewanee Municipal Airport
 Kewanee, Henry County, Illinois
 A.I.P. PROJ.: 3-17-0058-B10
 IL PROJ.: EZI-3533

HEI Project No.	810-061XYD 0800
Filename	R-305-RAMP.DWG
Scale	H. 1" = 20' V. 1" = 0.5'
Date	08/29/05
LAYOUT	R.A.W. 08/29/05
DRAWN	B.A.K. 08/29/05
REVIEWED	C.A.H. 04/27/06



OVERLAY TAXIWAYS
 AND APRON
 PROPOSED
 APRON CROSS-SECTIONS
 STA. 9+79.35 TO STA. 10+19.35



DATE	REVISION	BY

Kewanee Municipal Airport
Kewanee, Henry County, Illinois

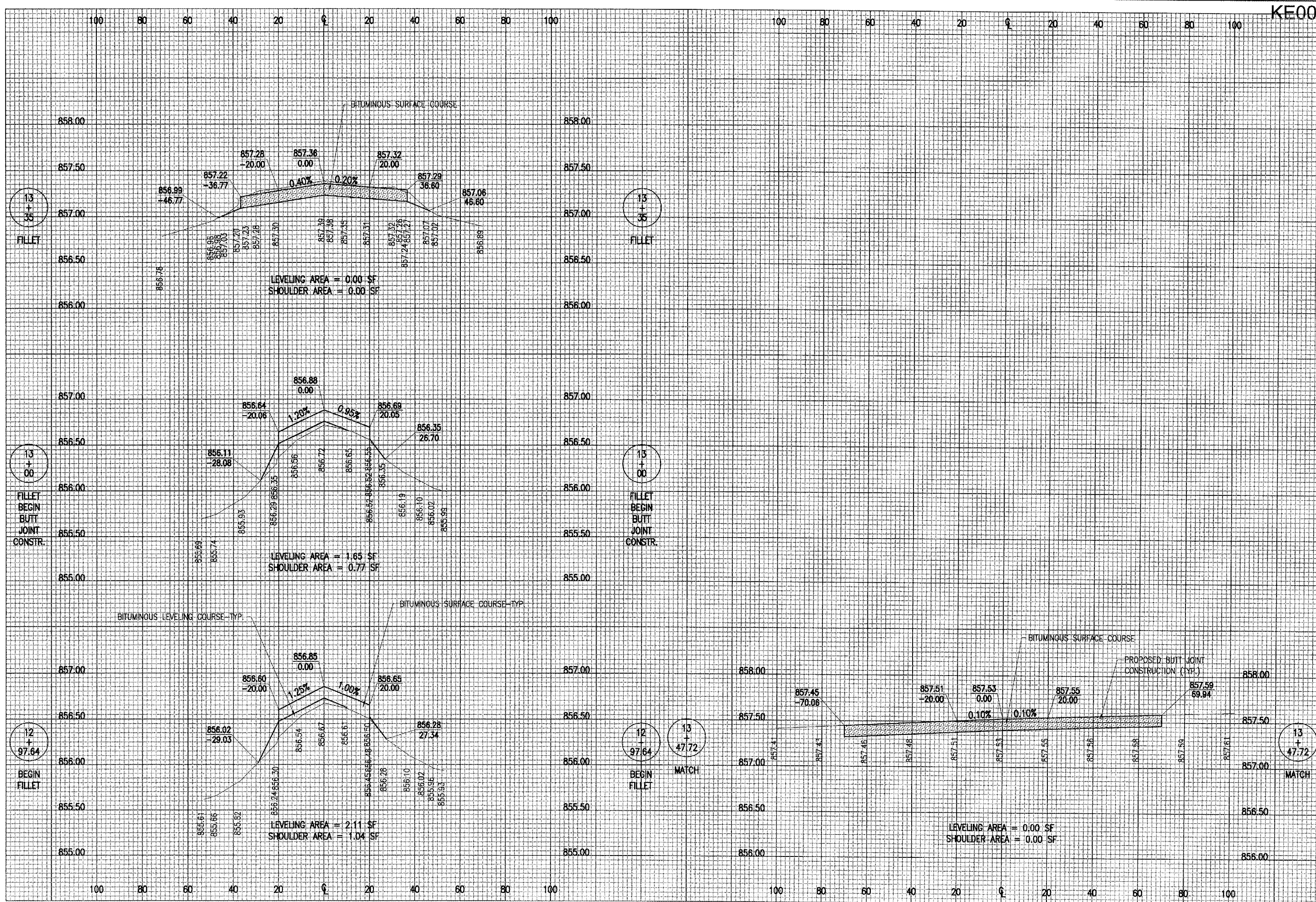
IL PROJ.: E71-3533 A.I.P. PROJ.: 3-17-0058-B10

RD. Project No. 810-061XXD.0800	
Filename R-308-TXB.DWG	
Scale H. 1" = 20' V. 1" = 0.5'	
Date 08/30/05	
LAYOUT R.A.W. 08/30/05	
DRAWN B.A.K. 08/30/05	
REVIEWED C.A.H. 04/27/06	



OVERLAY TAXIWAYS AND APRON

PROPOSED TAXIWAY "B" CROSS-SECTIONS STA. 11+00 TO STA. 12+50



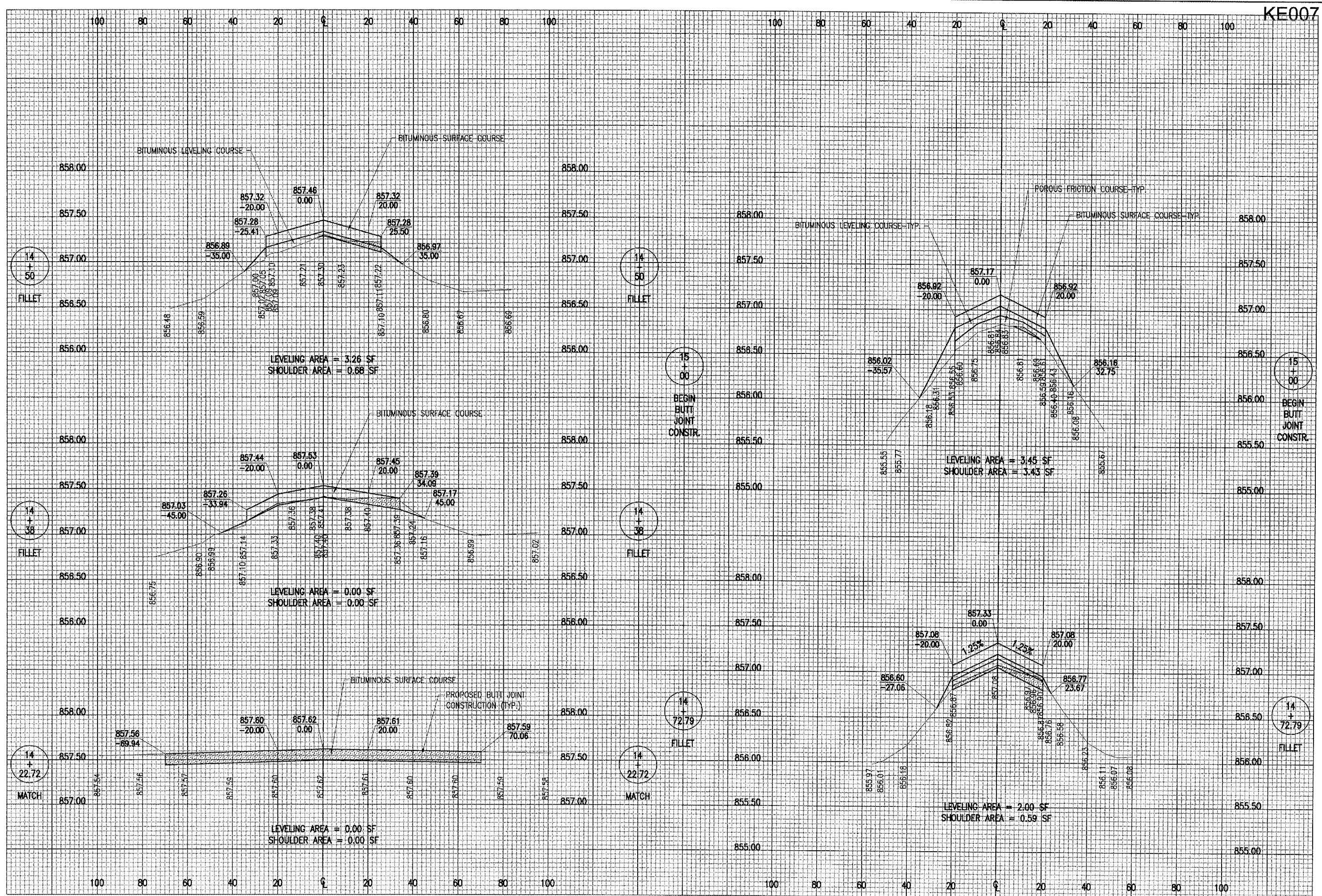
DATE	REVISION	BY

Kewanee Municipal Airport
 Kewanee, Henry County, Illinois
 I.L. PROJ.: EJI-3533 A.I.P. PROJ.: 3-17-0058-B10

DATE	BY	REVISION
08/30/05	R.A.W.	08/30/05
08/30/05	B.A.K.	08/30/05
04/27/06	C.A.H.	04/27/06



OVERLAY TAXIWAYS AND APRON
 PROPOSED TAXIWAY "B" CROSS-SECTIONS
 STA. 12+97.64 TO STA. 13+47.72



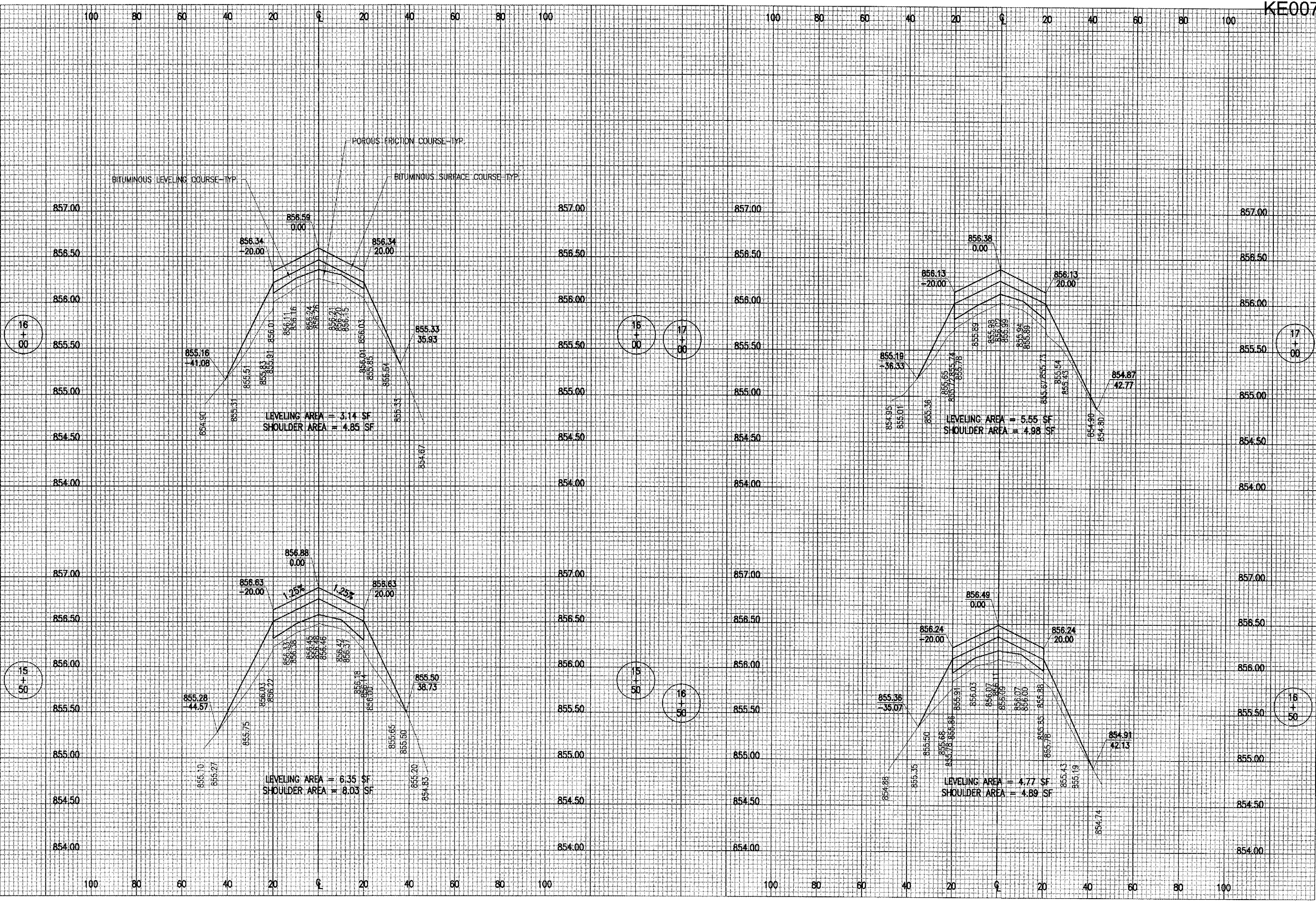
DATE	REVISION	BY

Kewanee Municipal Airport
 Kewanee, Henry County, Illinois
 I.L. PROJ.: E21-3533 A.I.P. PROJ.: 3-17-0068-B10

RE: Project No. 810-061X0D 0800 Elevation R-310-TXB.DWG Scale: H. 1" = 20' V. 1" = 0.5' Date: 08/31/05	LAYOUT DRAWN: R.A.W. REVIEWED: C.A.H.	08/31/05 08/31/05 04/27/06
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OVERLAY TAXIWAYS AND APRON
 PROPOSED TAXIWAY "B" CROSS-SECTIONS
 STA. 14+22.72 TO STA. 15+00



DATE	REVISION	BY

Kewanee Municipal Airport
Kewanee, Henry County, Illinois

IL PROJ.: E71-3533 A.I.P. PROJ.: 3-17-0058-B10

HD Project No. 810-06TXD.0800 Filename: R-311-TXWB.DWG Scale: H. 1" = 20' V. 1" = 0.5' Date: 08/23/05	LAYOUT DRAWN REVIEWED	R.A.W. B.A.K. C.A.H.	08/23/05 08/23/05 04/27/06
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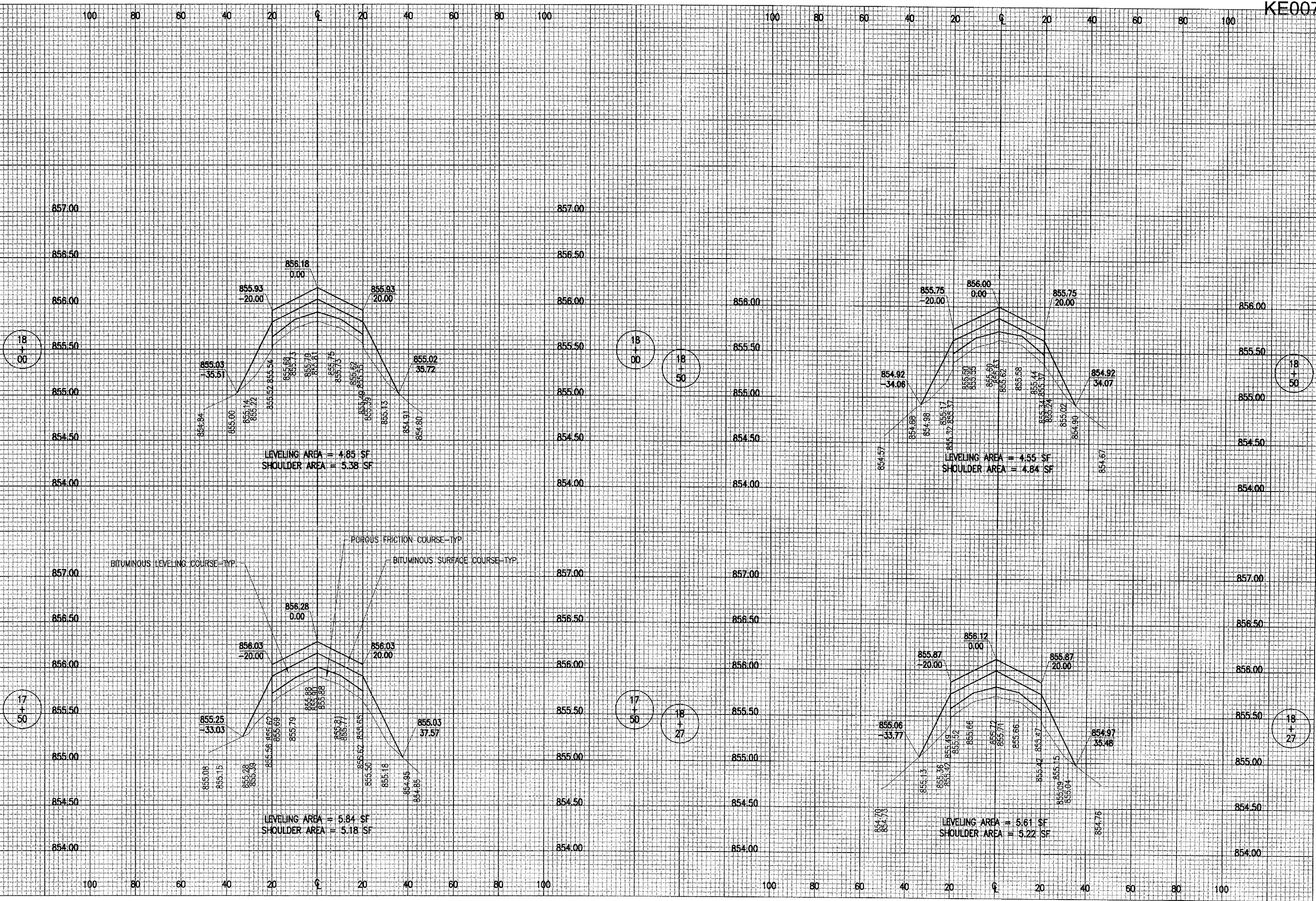


OVERLAY TAXIWAYS AND APRON

PROPOSED TAXIWAY "B" CROSS-SECTIONS
 STA. 15+50 TO STA. 17+00

I:\AIRPORTS\KEWANEE\B10-061XYD\AIRPORT SHEETS-SPLIT\R-312-TX1B.DWG - STA. 17+50 TO STA. 18+50

KE007



DATE	REVISION	BY

KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS

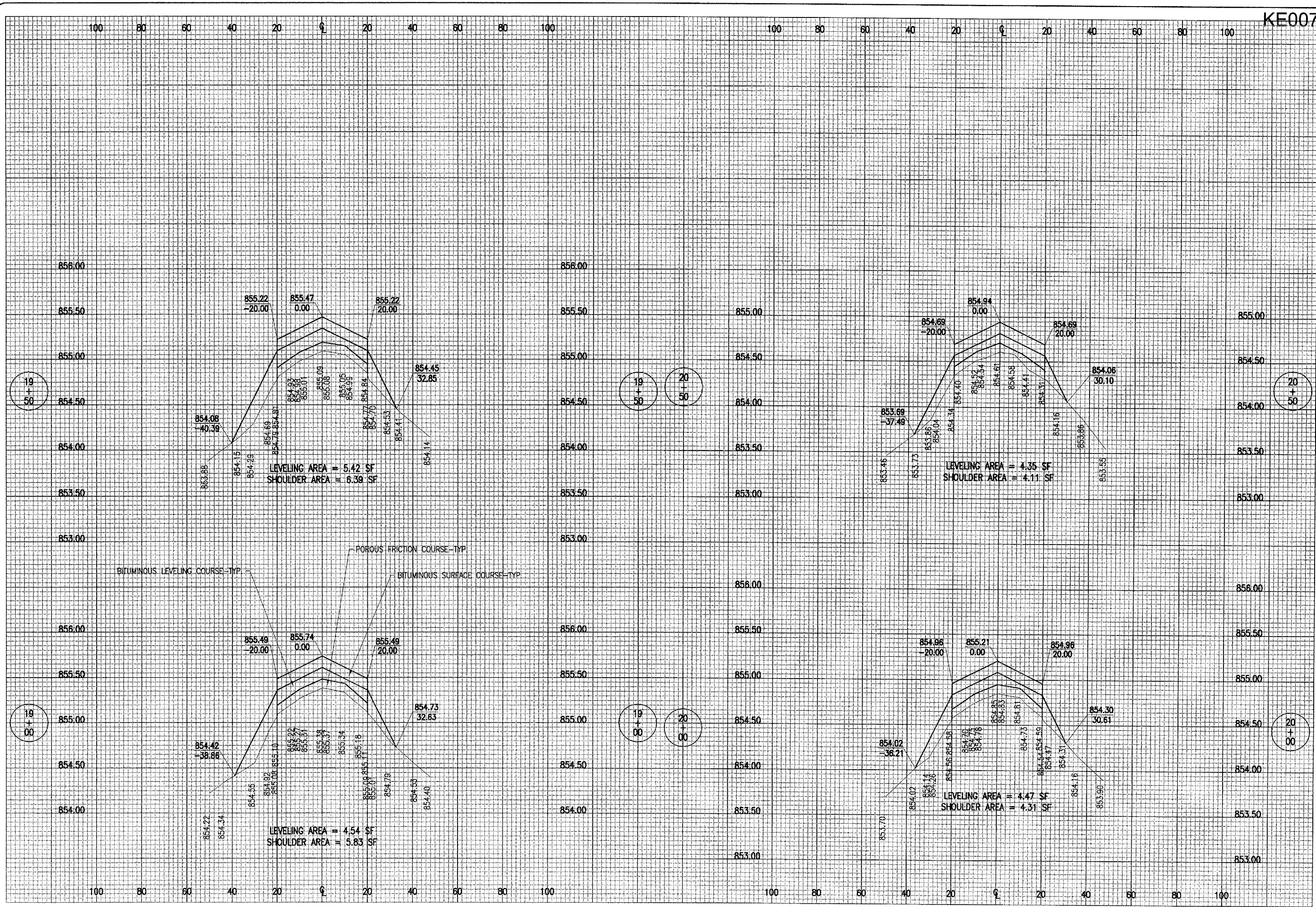
IL PROJ.: EZI-3533 A.I.P. PROJ.: 3-17-0058-B10

HB Project No.: 810-061XYD 0800	
Filename: R-312-TX1B.DWG	
Scale: H. 1" = 20' V. 1" = 0.5'	
Date: 08/23/05	
LAYOUT	R.A.W. 08/23/05
DRAWN	B.A.K. 08/23/05
REVIEWED	C.A.H. 04/27/06



OVERLAY TAXIWAYS AND APRON

PROPOSED TAXIWAY "B" CROSS-SECTIONS
 STA. 17+50 TO STA. 18+50



DATE	REVISION	BY

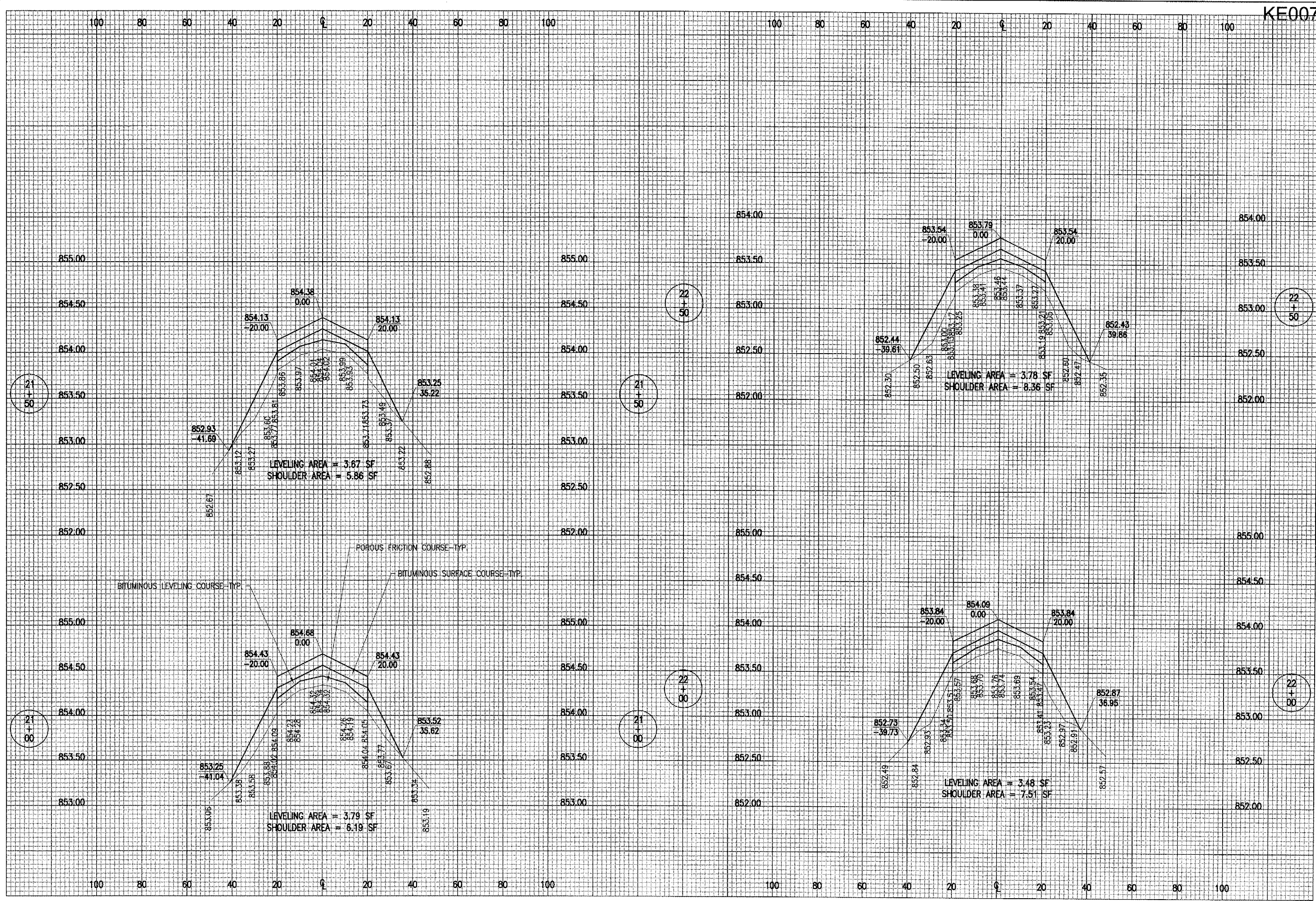
KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS

IL PROJ.: E71-3533 A.I.P. PROJ.: 3-17-0058-B10

LAYOUT	R.A.W.	08/23/05
DRAWN	B.A.K.	08/23/05
REVIEWED	C.A.H.	04/27/06



OVERLAY TAXIWAYS AND APRON
 PROPOSED TAXIWAY "B" CROSS-SECTIONS
 STA. 19+00 TO STA. 20+50

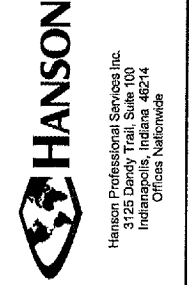


DATE	REVISION	BY

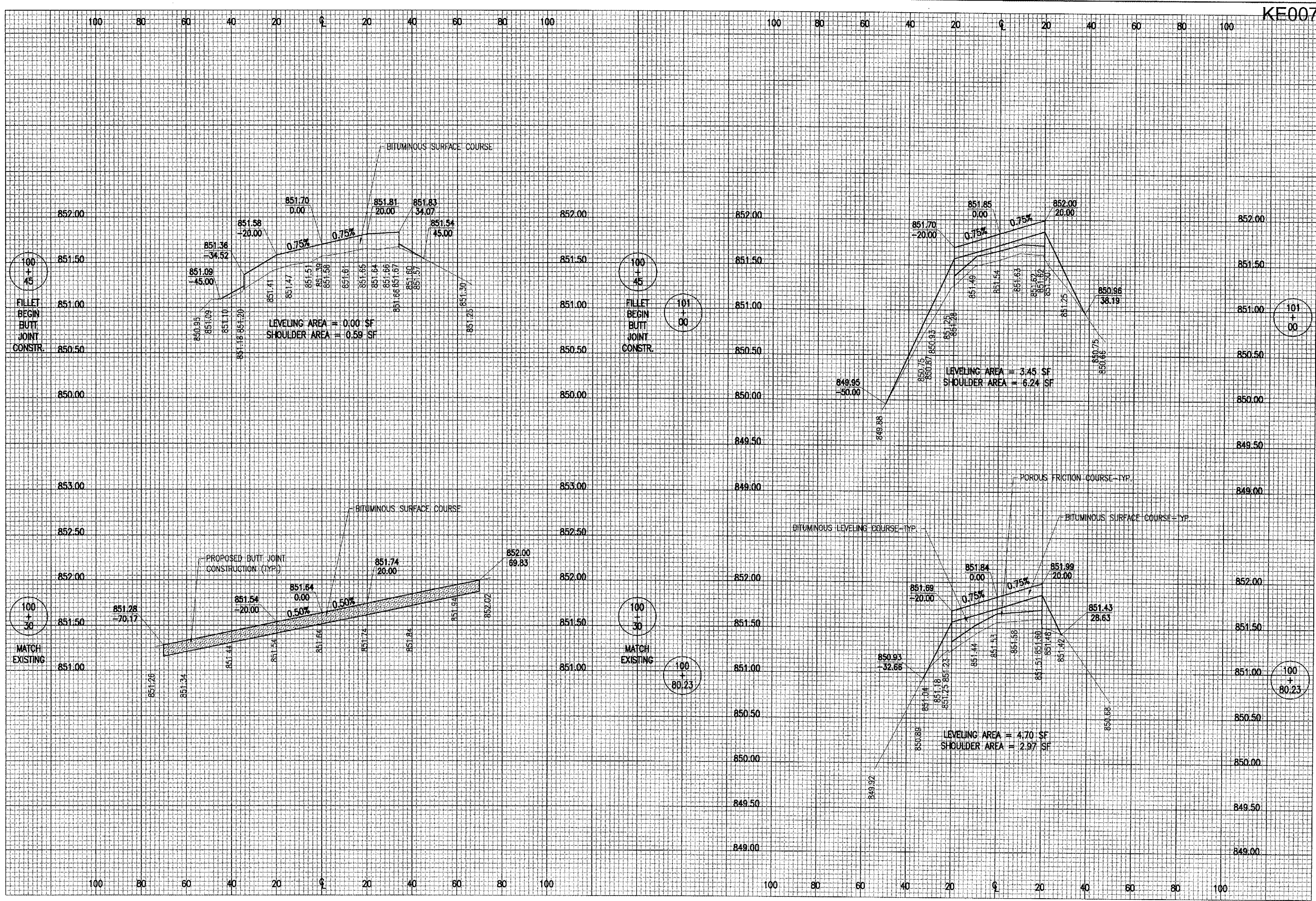
Kewanee Municipal Airport
Kewanee, Henry County, Illinois

IL PROJ.: E21-3533 A.I.P. PROJ.: 3-17-0058-B10

HE Proj. No. 810-081X1D.0800	FILENAME R-314-TXB.DWG	Scale H. 1" = 20' V. 1" = 0.5'	Date 08/24/05
LAYOUT	R.A.W.	08/24/05	
DRAWN	B.A.K.	06/24/05	
REVIEWED	C.A.H.	04/27/06	



OVERLAY TAXIWAYS AND APRON
PROPOSED TAXIWAY "B" CROSS-SECTIONS
 STA. 21+00 TO STA. 22+50



DATE	REVISION	BY

KEWANEE MUNICIPAL AIRPORT
 KEWANEE, HENRY COUNTY, ILLINOIS

IL PROJ.: E2I-3533 A.I.P. PROJ.: 3-17-0058-B10

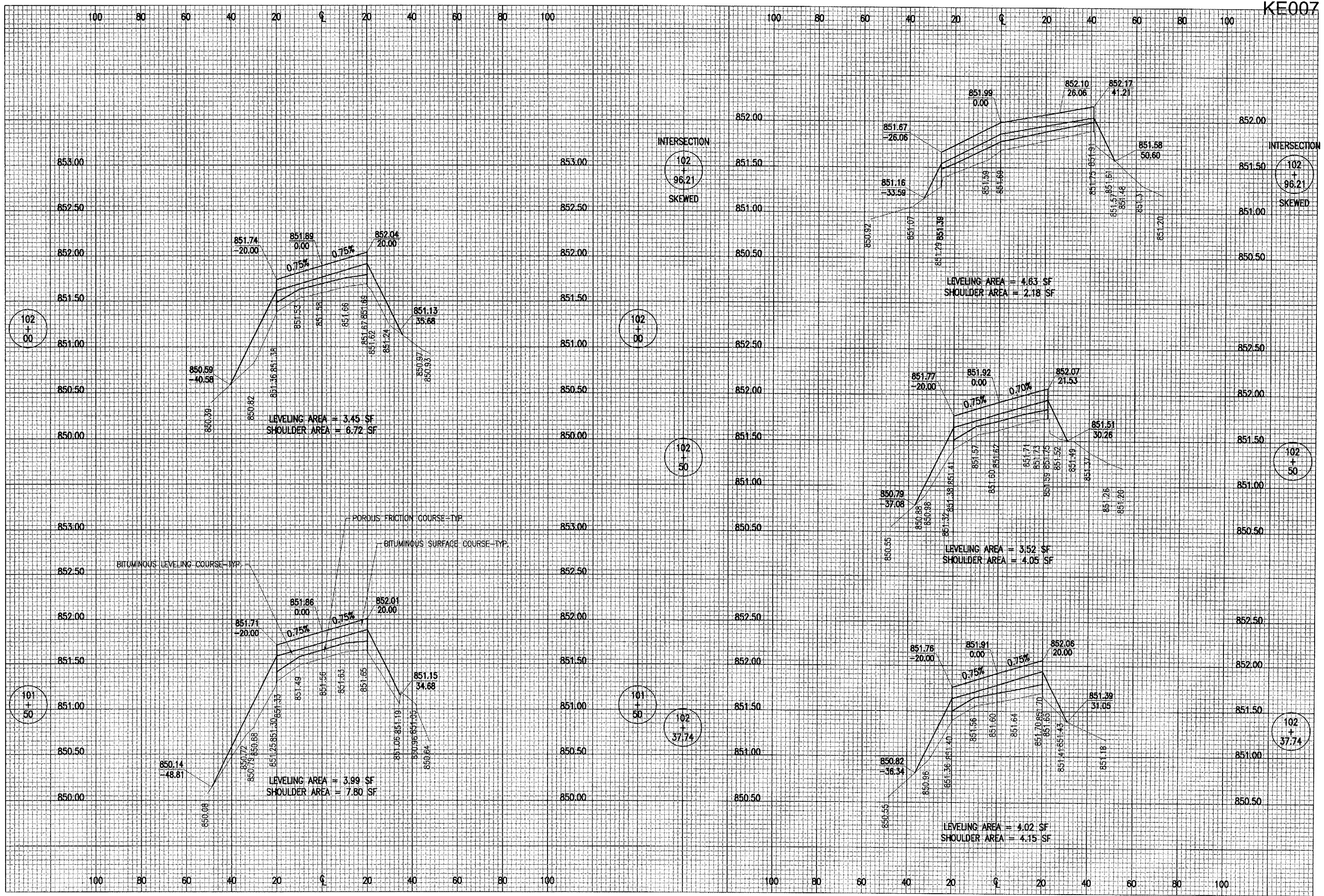
Project No. 810-061X10_0800	File Name R-321-TXC.DWG	Scale H. 1" = 20' V. 1" = 0.5'	Date 08/24/05
LAYOUT	R.A.W.	08/24/05	
DRAWN	B.A.K.	08/24/05	
REVIEWED	C.A.H.	04/27/06	



OVERLAY TAXIWAYS AND APRON
 PROPOSED TAXIWAY "C" CROSS-SECTIONS
 STA. 100+30 TO STA. 101+00

I:\AIRPORTS\KEWANEE\810-061XX\VOYRPORT\SHEETS-SPILT\R-322-TXXC.DWG - STA. 101+50 TO STA. 102+96.21

KE007



DATE	REVISION	BY

KEWANEE MUNICIPAL AIRPORT
KEWANEE, HENRY COUNTY, ILLINOIS

IL PROJ.: E2I-3533 A.I.P. PROJ.: 3-17-0058-B10

FILE PROJECT NO. 810-061XX\0800-	FILE NAME R-322-TXXC.DWG
SCALE H. 1" = 20' V. 1" = 0.5'	DATE 08/24/05
LAYOUT R.A.W. 08/24/05	DRAWN B.A.K. 08/24/05
REVIEWED C.A.H. 04/27/06	



OVERLAY TAXIWAYS AND APRON
PROPOSED TAXIWAY "C" CROSS-SECTIONS
STA. 101+50 TO STA. 102+96.21