

DATE	REVISION	BY

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR125100	ELEVATED RETROREFLECTIVE MARKER	EACH	9	
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR152480	SHOULDER ADJUSTMENT	S.Y.	263	
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	295	
AR401610	BITUMINOUS SURFACE COURSE	TON	989	
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	132	
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	2,659	
AR501115	CRACK & SEAT PAVEMENT	S.Y.	7,309	
AR501506	6" PCC PAVEMENT	S.Y.	1,113	
AR501550	PCC PAVEMENT MILLING	S.Y.	339	
AR501900	REMOVE PCC PAVEMENT	S.Y.	1,103	
AR510510	TIE DOWN	EACH	3	
AR603510	BITUMINOUS TACK COAT	GAL.	1,828	
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	667	
AR751414	INLET TYPE - D	EACH	2	
AR751900	REMOVE INLET	EACH	1	
AR800592	GROUT EXISTING TIE DOWNS	EACH	72	
AR800593	REPAIR EXISTING CONCRETE FLUME	EACH	1	
AR800595	CONCRETE FLUME	EACH	1	
AR800596	ADJUST CONCRETE FLUME	EACH	1	
AR904510	SODDING	S.Y.	263	

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	FLAP SHEET FOR VINCENNES UNIVERSITY AREA
5	PROPOSED PAVEMENT PREPERATION PLAN FOR VINCENNES UNIVERSITY AREA
6	PROPOSED CONSTRUCTION PLAN FOR VINCENNES UNIVERSITY AREA
7	PROPOSED JOINTING PLAN FOR VINCENNES UNIVERSITY AREA
8	PROPOSED STAKING PLAN FOR VINCENNES UNIVERSITY AREA
9	FLAP SHEET FOR GLIDER CLUB AREA
10	PROPOSED PAVEMENT PREPERATION PLAN STA. 0+00 TO STA. 3+00
11	PROPOSED PAVEMENT PREPERATION PLAN STA. 3+00 TO STA. 5+67.33
12	PROPOSED CONSTRUCTION PLAN STA. 0+00 TO STA. 3+00
13	PROPOSED CONSTRUCTION PLAN STA. 3+00 TO STA. 5+67.33
14	PROPOSED DRAINAGE PLAN STA. 0+00 TO STA. 3+00
15	PROPOSED DRAINAGE PLAN STA. 3+00 TO STA. 5+67.33
16	PROPOSED STAKING PLAN STA. 0+00 TO STA. 3+00
17	PROPOSED STAKING PLAN STA. 3+00 TO STA. 5+67.33
18	PROPOSED CROSS-SECTIONS FOR GLIDER CLUB AREA STA. 0+36.94 TO STA. 0+50
19	PROPOSED CROSS-SECTIONS FOR GLIDER CLUB AREA STA. 0+75 TO STA. 1+00
20	PROPOSED CROSS-SECTIONS FOR GLIDER CLUB AREA STA. 1+25 TO STA. 1+62.50
21	PROPOSED CROSS-SECTIONS FOR GLIDER CLUB AREA STA. 1+75 TO STA. 2+25
22	PROPOSED CROSS-SECTIONS FOR GLIDER CLUB AREA STA. 2+50 TO STA. 3+75
23	PROPOSED CROSS-SECTIONS FOR GLIDER CLUB AREA STA. 4+00 TO STA. 5+00
24	PROPOSED CROSS-SECTIONS FOR GLIDER CLUB AREA STA. 5+25 TO STA. 5+37

MID-AMERICAN AIR CENTER
LAWRENCEVILLE-VINCENNES AIRPORT
LAWRENCEVILLE, ILLINOIS

IL PROJ.: LW-3546 A.I.P. PROJ.: 3-17-0061-B12

HEI Project No. 812-06APND_0800	FILENAME: R-002FLP.DWG	DATE: 12/12/05
Scale: NOT TO SCALE	LAYOUT M.D.R. 12/12/05	DRAWN M.D.R. 12/12/05
DATE: 12/12/05	REVIEWED C.A.H.	1/12/06



RECONSTRUCTION OF
TWO APRON AREAS
AND
SUMMARY OF QUANTITIES
AND
INDEX TO SHEETS

SCOPE OF WORK

THIS PROJECT CONSISTS OF THE RECONSTRUCTION OF THE VINCENNES UNIVERSITY HANGAR RAMP AND THE CONSTRUCTION OF A BITUMINOUS TAXIWAY, APRON AREA AND BITUMINOUS TAPERS BY THE GLIDER CLUB HANGARS. ASSOCIATED ITEMS OF WORK INCLUDE THE REMOVAL OF P.C.C. PAVEMENT, 6" P.C.C. PAVEMENT, CRUSHED AGGREGATE BASE COURSE, BITUMINOUS SURFACE COURSE, POROUS FRICTION COURSE, CRACK AND SEAT PAVEMENT, PAVEMENT MARKING, DRAINAGE IMPROVEMENTS AND SODDING.

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.

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.

HEIGHT OF CONSTRUCTION EQUIPMENT

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A DUMP TRUCK.

HAUL ROUTE AND VEHICLE PARKING

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND PARKING AREA AS SHOWN ON THIS SHEET. THE PROPOSED PARKING AREA WILL BE 200' X 200'. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND PARKING 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 NEED TO RESTORE THE HAUL ROUTE AND PARKING AREA TO ITS ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE AND PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CONTRACTOR RESPONSIBILITIES

THE CONTRACTOR'S EQUIPMENT PARKING AND STORAGE AREA WILL BE AS SHOWN ON THIS SHEET. THE CONTRACTOR'S EMPLOYEES WILL PARK THEIR VEHICLES IN THIS AREA. ONLY CONTRACTOR VEHICLES WILL BE ALLOWED OUTSIDE THIS AREA.

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

BARRICADES AND TRAFFIC CONES

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS DIRECTED BY THE AIRPORT MANAGER. THE BARRICADES WILL BE EQUIPPED WITH RED FLASHING/OR STEADY BURN LIGHTS AND 20" SQUARE ORANGE FLAGS. THE BARRICADES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EROSION CONTROL

THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF LAND, THEREFORE NO N.P.D.E.S. PERMIT WILL BE REQUIRED.

AIRCRAFT OPERATION LINE

THE CONTRACTOR WILL LOCATE THIS LINE AT THE START OF CONSTRUCTION AND WILL PLACE FLAGGED LATHE 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 LATHE LINE FOR RUNWAYS.

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.

BENCHMARK DATA		
NO.	DESCRIPTION	ELEV.
1	C.B. #2 SOUTH EAST CORNER OF SIGN PAD <- RAMP SOUTH END TAXIWAY "E"	427.57
2	C.B. #3 SOUTH EAST CORNER OF SIGN PAD FOR RWY. 9-27 WEST SIDE TWY. "D"	426.58

DATA FOR CRITICAL POINTS

C.P. #1
 LATITUDE: 38° 45' 58.65"
 LONGITUDE: 87° 36' 35.81"
 ELEVATION: 427.00 M.S.L.

C.P. #2
 LATITUDE: 38° 45' 44.82"
 LONGITUDE: 87° 36' 19.60"
 ELEVATION: 428.50 M.S.L.

J.U.L.I.E. INFORMATION

COUNTY: LAWRENCE
 CITY: LAWRENCEVILLE
 TOWNSHIP: ALLISON
 SECTION NO. 23 & 26
 ADDRESS: LAWRENCEVILLE-VINCENNES AIRPORT
 RR# 4, BOX 195
 LAWRENCEVILLE, ILLINOIS 62439

PROPOSED SAFETY PLAN

GENERAL - THE LAWRENCEVILLE-VINCENNES AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PROPOSED CONSTRUCTION WILL NOT NECESSITATE CLOSING EITHER RUNWAY. ANY TIME THE CONTRACTOR IS WORKING WITHIN 85' OF A TAXIWAY CENTERLINE THE TAXIWAY WILL BE CLOSED. THE TAXIWAY WILL BE CLOSED ONLY DURING THE CONSTRUCTION DAY. AT THE END OF EACH CONSTRUCTION DAY THE CONTRACTOR WILL SMOOTH GRADE ALL AREAS WITHIN THE SAFETY AREA TO THE SATISFACTION OF THE RESIDENT ENGINEER AND RE-OPEN THE TAXIWAY. ALL WORK INCLUDED IN OPENING AND CLOSING THE TAXIWAY WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

IDENTIFICATION - WHEN THE CONTRACTORS 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 BE IN TWO-WAY RADIO CONTACT (122.80 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE LAWRENCEVILLE-VINCENNES AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

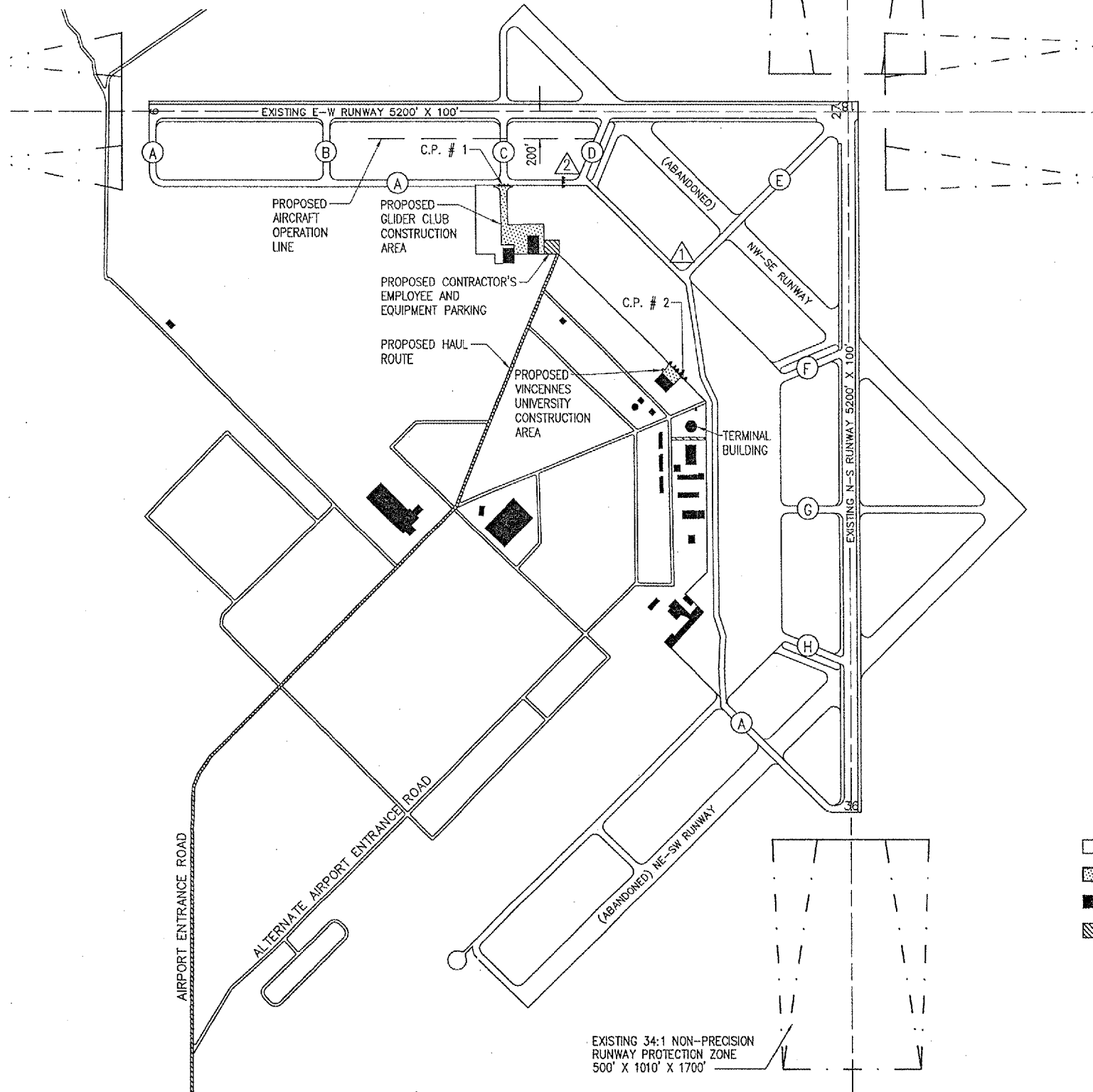
150-ENGINEER'S FIELD OFFICE NOTES

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.

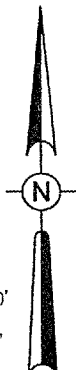
THE ENGINEERING FIRM WILL MAKE PAYMENT FOR ALL LONG DISTANCE TELEPHONE CALLS IN EXCESS OF ONE HUNDRED DOLLARS (\$100.00) PER MONTH.

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



LEGEND

- [Solid Line] EXISTING IMPROVEMENTS
- [Dotted Pattern] PROPOSED IMPROVEMENTS
- [Solid Black] EXISTING BUILDINGS
- [Hatched Pattern] PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA
- [Triangle with '1'] PROPOSED BENCHMARK
- [Triangle with '▲'] PROPOSED BARRICADES OR TRAFFIC CONES
- [Circle with 'H'] EXISTING TAXIWAY



0' 250' 500' 1000'
 HALF SIZE SCALE: 1"= 1000'
 FULL SIZE SCALE: 1"= 500'

APR 05, 2006 3:22 PM CAH I:\AIRPORTS\LAURENCE\812-06APNYAIRPORT\SHETS\812-06APNYAIRPORT-003SFY.DWG - SAFETY

LW021

DATE	REVISION	BY
4/4/06	REVISED AS PER IBA REVIEW CAH	

MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS

IL PROJ.: LWV-3546 A.I.P. PROJ.: 3-17-0081-012

REG. PROJECT NO. 812-06APNYD.0800	DATE 12/12/05
PLAN NO. P-003SFY.DWG	M.D.R. 12/12/05
SHEET 1 OF 500	M.D.R. 12/12/05
DATE 12/12/05	C.A.H. 1/12/06
LAYOUT	
DRAWN	
REVIEWED	



RECONSTRUCTION OF TWO APRON AREAS

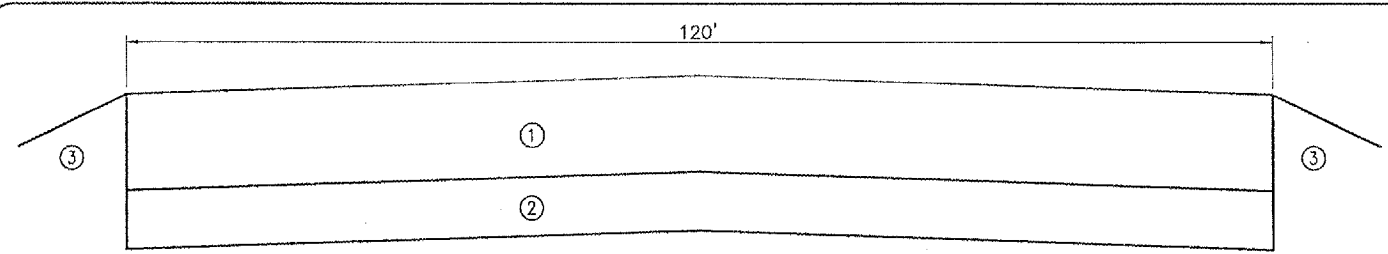
PROPOSED SAFETY PLAN

VINCENNES UNIVERSITY AREA

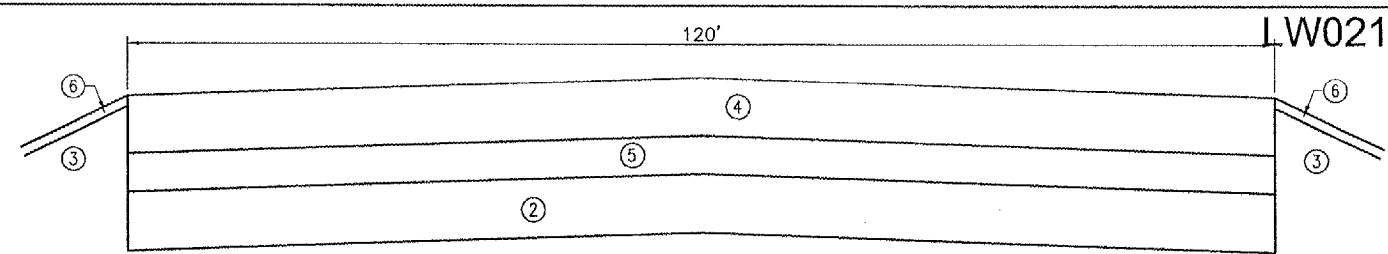
SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR152480	SHOULDER ADJUSTMENT	S.Y.	263	
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	295	
AR501506	6" PCC PAVEMENT	S.Y.	1,113	
AR501900	REMOVE PCC PAVEMENT	S.Y.	1,103	
AR510510	TIE DOWN	EACH	3	
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	39	
AR751414	INLET TYPE - D	EACH	2	
AR751900	REMOVE INLET	EACH	1	
AR904510	SODDING	S.Y.	263	

RECONSTRUCTION OF TWO APRON AREAS FLAP SHEET FOR VINCENNES UNIVERSITY AREA		HANSON Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2865 Offices Nationwide		IEL Project No. 812-06APND 0800 Filename: R-002FLP.DWG Scale: NOT TO SCALE Date: 12/12/05	LAYOUT: 12/12/05 DRAWN: B.A.K. 12/12/05 REVIEWED: C.A.H. 1/12/06	MID-AMERICAN AIR CENTER LAWRENCEVILLE-VINCENNES AIRPORT LAWRENCEVILLE, ILLINOIS IL PROJ.: LWV-3546 A.I.P. PROJ.: 3-17-0061-B12	DATE REVISION BY
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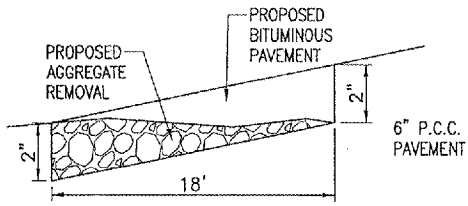
MAR 29, 2006 10:52 AM CAH
 F:\AIRPORTS\LAWRENCE\812-06APN\AIRPORT SHEETS\R-111PRP.DWG - VINCENNES U. AREA



EXISTING TYPICAL SECTION "A-A"
 "NOT TO SCALE"



PROPOSED TYPICAL SECTION "A-A"
 "NOT TO SCALE"



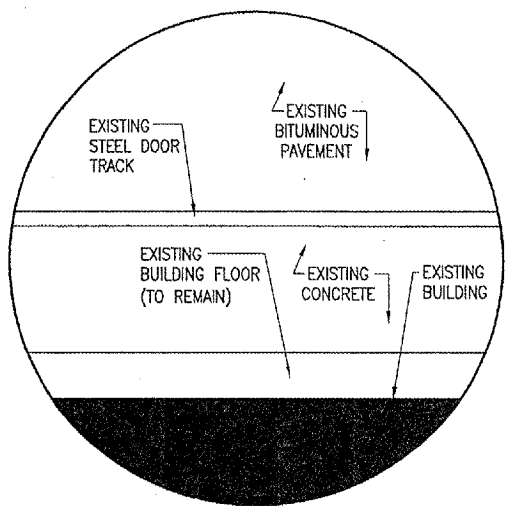
TYPICAL SECTION "B-B"
 "NOT TO SCALE"

PAVEMENT SAWING NOTES

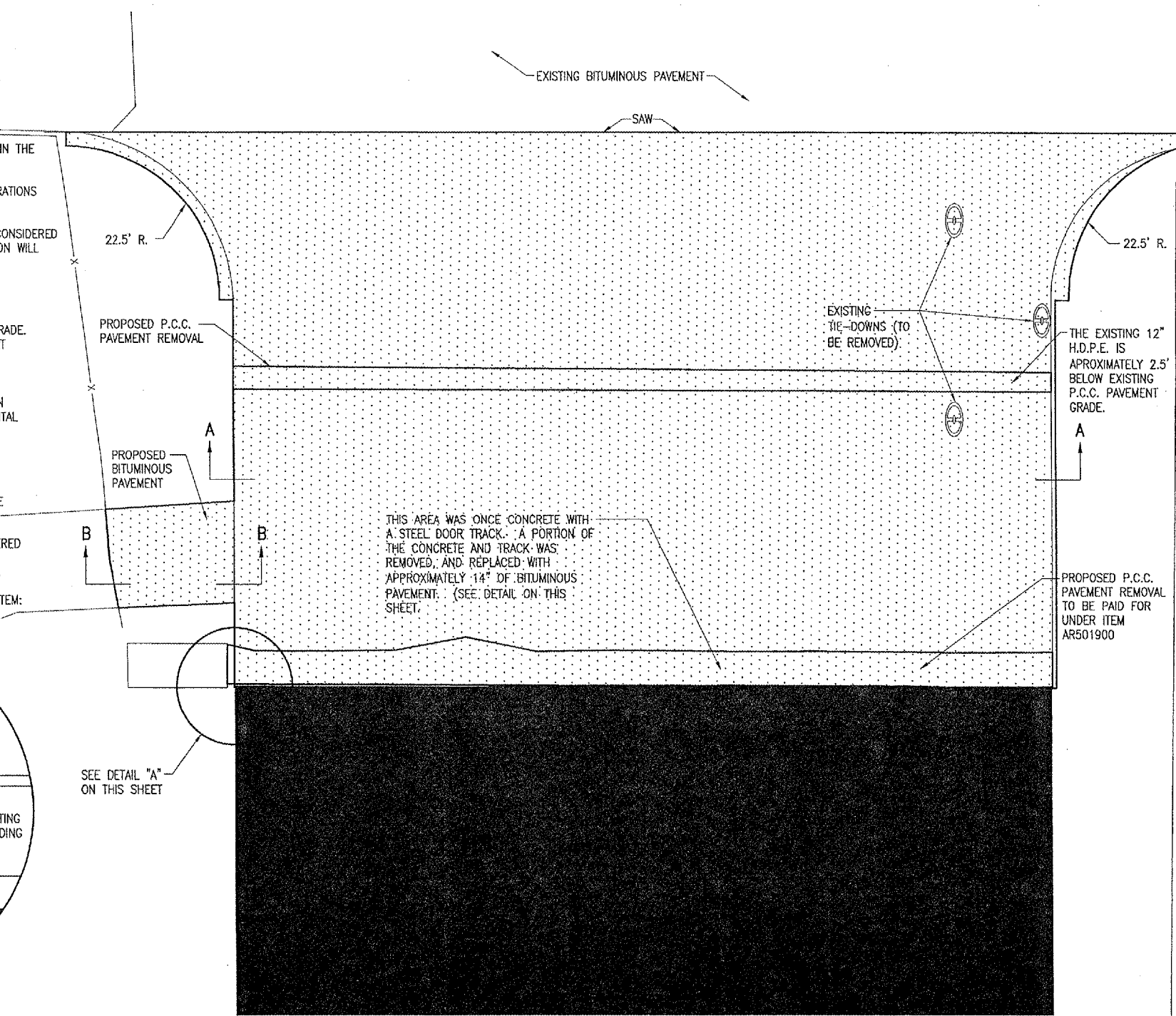
THE AREA SHOWN ON THIS SHEET WILL BE SAWED FULL DEPTH.
 THE PROPOSED SAWING WILL REMOVE THE ROLLED DOWN EDGE AND PROVIDE A STRAIGHT PAVEMENT EDGE TO BUTT AGAINST.
 THE RESIDENT ENGINEER WILL MARK THE PROPOSED SAW LINE IN THE FIELD.
 ALL PAVEMENT AND DEBRIS PRODUCED FROM THE SAWING OPERATIONS WILL BE COLLECTED AND DISPOSED OF OFF THE AIRPORT SITE.
 THE SAWING AND DISPOSAL OF ANY WASTE MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

P.C.C. PAVEMENT REMOVAL NOTES

THE AREA DESIGNATED ON THIS SHEET WILL 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.
 THE REMOVAL OF THE EXISTING BITUMINOUS PAVEMENT WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED P.C.C. PAVEMENT REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 THE REMOVAL OF THE 3 EXISTING TIE DOWNS WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED P.C.C. PAVEMENT REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 THE REMOVAL OF P.C.C. PAVEMENT WILL BE PAID FOR UNDER ITEM: AR501900 "REMOVE PCC PAVEMENT" 1,103 S.Y.



DETAIL "A"
 "NOT TO SCALE"



LEGEND FOR EXISTING & PROPOSED TYPICAL SECTION "A-A"

- ① EXISTING P.C.C. PAVEMENT (10" DEPTH)
- ② EXISTING SUBBASE
- ③ EXISTING EARTH SHOULDERS
- ④ PROPOSED P.C.C. PAVEMENT (6" DEPTH)
- ⑤ PROPOSED CRUSHED AGGREGATE BASE COURSE (4"± DEPTH)
- ⑥ PROPOSED SODDING

AR209-CRUSHED AGGREGATE BASE COURSE NOTES

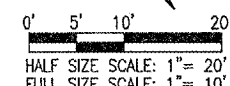
THE CRUSHED AGGREGATE BASE COURSE (209) SHALL BE PLACED IN ACCORDANCE WITH ITEM 209 "CRUSHED AGGREGATE BASE COURSE" AS STATED ON PAGE 45 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.
 THE CRUSHED AGGREGATE BASE COURSE MATERIAL (CA-6) WILL BE USED TO CONSTRUCT A BASE COURSE FOR THE PROPOSED P.C.C. PAVEMENT (501). THE CRUSHED AGGREGATE BASE COURSE MATERIAL WILL BE 4"± IN DEPTH AND COMPACTED TO NOT LESS THAN 95 PERCENT DENSITY.
 THE PROPOSED AGGREGATE FOR THE BASE COURSE MATERIAL SHALL MEET THE REQUIREMENTS OF GRADATION "B" IN TABLE 1 OF THE SUPPLEMENTAL SPECIFICATIONS.
 209-3.2 EQUIPMENT. ADD THE FOLLOWING PARAGRAPHS TO THIS SECTION:
 "PROVISIONS SHALL BE MADE BY THE CONTRACTOR FOR FURNISHING WATER AT THE PLANT AND AT THE SITE OF THE WORK BY EQUIPMENT OF AMPLE CAPACITY AND OF SUCH DESIGN AS TO ASSURE UNIFORM MIXING AND APPLICATION."
 THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER A PROCTOR CURVE SHOWING OPTIMUM DENSITY AND MOISTURE FOR THE SUPPLIED BASE COURSE MATERIAL.
 THE COMPACTION CONTROL TEST TO BE USED SHALL BE FAA COMPACTION CONTROL TEST T-611 FOR AIRCRAFT WEIGHING LESS THAN 60,000 LBS.
 209-4.1. DELETE THE FIFTH SENTENCE AND REPLACE IT WITH THE FOLLOWING:
 "IF AT THE TIME THE AGGREGATES ARE WEIGHED THEY CONTAIN MORE THAN SIX (6) PERCENT OF ABSORBED AND FREE MOISTURE BY WEIGHT, A DEDUCTION FOR THE MOISTURE IN EXCESS OF THIS AMOUNT SHALL BE MADE IN DETERMINING THE PAY QUANTITY."

EXISTING CONCRETE T-HANGAR PAVEMENT

PROPOSED P.C.C. PAVEMENT REMOVAL TO BE PAID FOR UNDER ITEM AR501900

LEGEND

- EXISTING PAVEMENT
- EXISTING BUILDING
- x- EXISTING FENCE
- PROPOSED IMPROVEMENTS
- ⊕ EXISTING TIE DOWNS (TO BE REMOVED)



REVISION	DATE	BY

MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS

IL PROJ.: LWV-3546 A.I.P. PROJ.: 3-17-0061-B12

HEI Project No. 812-06APND_0800	Drawn: R-111PRP.DWG	Scale: 1" = 10'	Date: 12/12/05
LAYOUT	B.K.B.	12/12/05	12/12/05
DRAWN	B.A.K.	12/12/05	12/12/05
REVIEWED	C.A.H.	1/12/06	1/12/06

HANSON
 Hanson Professional Services Inc.
 1625 South Sixth Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

RECONSTRUCTION OF
 TWO APRON AREAS
 PROPOSED PAVEMENT
 PREPARATION PLAN FOR
 VINCENNES UNIVERSITY AREA

INLET NOTE

THE PROPOSED TYPE D INLETS, AS SHOWN ON THIS SHEET, SHALL BE CONSTRUCTED BY EXPOSING THE EXISTING 12" H.D.P.E. PIPE AND THEN SAWING THE PIPE TO INSTALL THE INLET. ONCE THE INLET IS INSTALLED, THE 12" H.D.P.E. SHALL BE EXTENDED, AS REQUIRED TO MAINTAIN DRAINAGE THROUGH THE PIPE AND THE STRUCTURE. ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO INSTALL THE INLETS AND RETURN THE 12" H.D.P.E. TO A DRAINABLE CONDITION SHALL BE INCLUDED IN THE PRICE OF THE TYPE D INLET, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THIS WILL BE PAID FOR UNDER ITEM:
AR751414 INLET TYPE D _____ 2 EACH

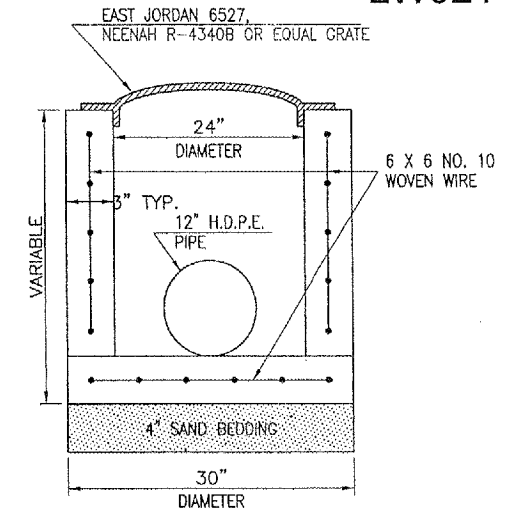
P.C.C. PAVEMENT NOTE

THE EXISTING CONCRETE (APPROXIMATELY 10") SHALL BE REMOVED TO A SUITABLE SUBGRADE. CRUSHED AGGREGATE BASE COURSE SHALL BE USED TO RAISE THE SUBGRADE ELEVATION TO A MINIMUM OF 6" BELOW THE PROPOSED GRADE AS SHOWN ON THE TYPICAL SECTION "A-A" ON SHEET NO. 5.

REMOVE INLET NOTE

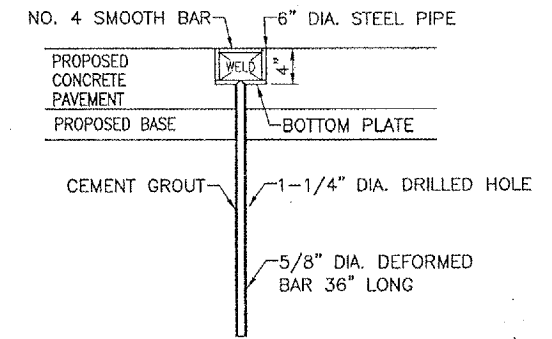
THE EXISTING INLET SHALL BE REMOVED TO ALLOW FOR THE INSTALLATION OF THE PROPOSED TYPE D INLET. THE EXISTING INLET SHALL BE REMOVED AND HAULED OFF-SITE BY THE CONTRACTOR. ANY DAMAGE TO THE EXISTING PIPE OR PAVEMENT WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. THIS WILL BE PAID FOR UNDER ITEM:
AR751900 REMOVE INLET _____ 1 EACH

LW021



PROPOSED TYPE D INLET

IDOT STANDARD 1538-6



TIE DOWN DETAIL "C"
"NOT TO SCALE"

TIE DOWN NOTES

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

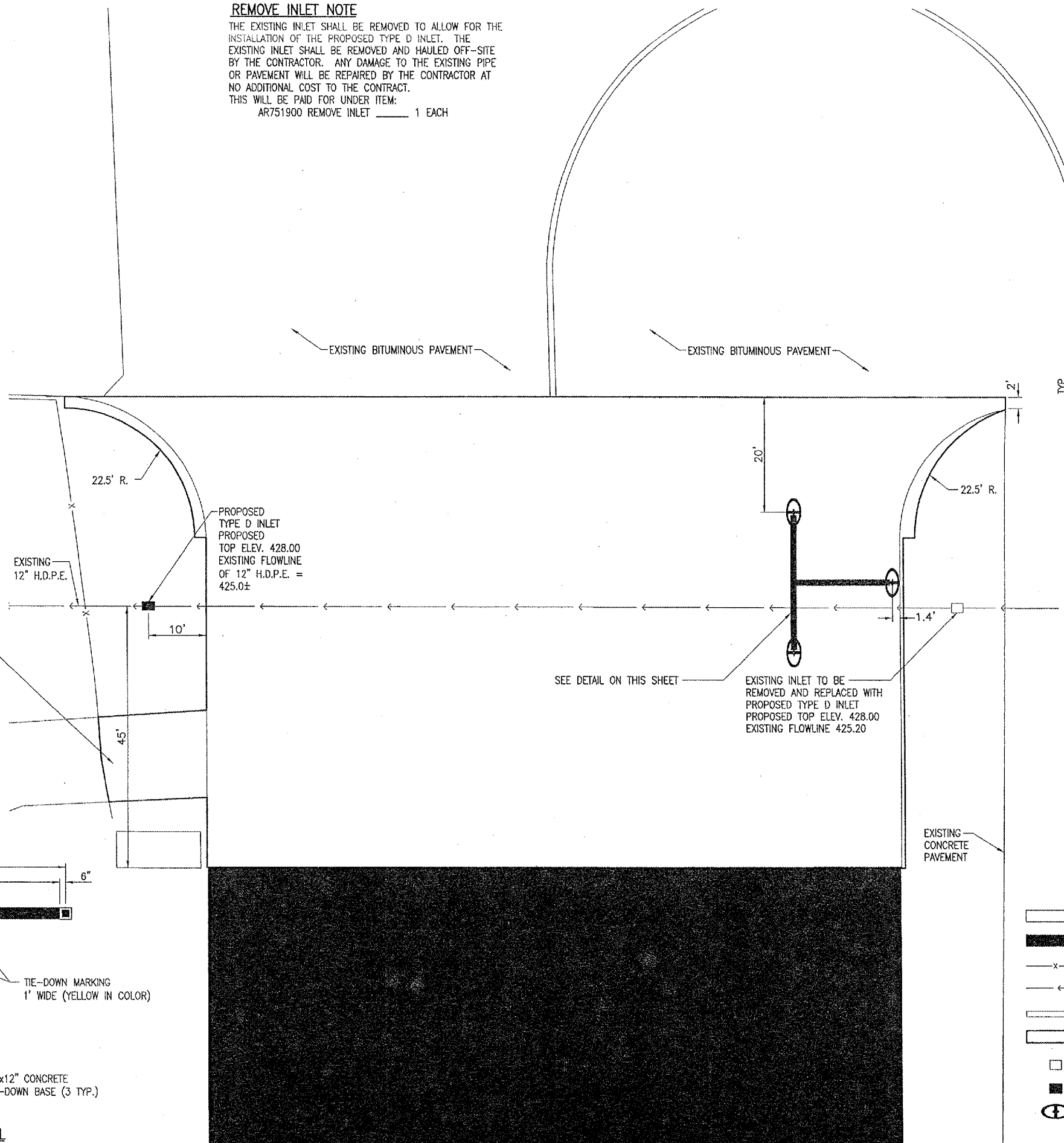
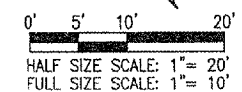
THE PERIMETER OF EACH PROPOSED TIE DOWN SHALL BE SAWED. CONCRETE SHALL MEET THE REQUIREMENTS OF 610 - STRUCTURAL CONCRETE.

THE PROPOSED TIE DOWN MARKING WILL BE IN ACCORDANCE WITH THE DETAIL ON THIS SHEET AND THE SPECIFICATIONS.

THE TIE DOWNS WILL BE PAID FOR UNDER ITEM:
AR510510 "TIE DOWN" _____ 3 EA.

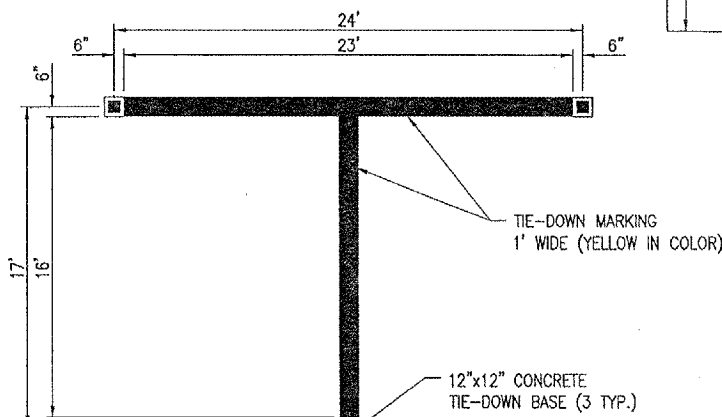
LEGEND

- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING DRAINAGE PIPE
- EXISTING MARKING
- PROPOSED IMPROVEMENTS
- EXISTING INLET (TO BE REMOVED AND REPLACED)
- PROPOSED INLET
- PROPOSED TIE DOWN



THE EXISTING BITUMINOUS ACCESS ROAD IS IN POOR CONDITION, AND SHALL BE OVERLAID WITH APPROXIMATELY 2" OF BITUMINOUS SURFACE COURSE. THIS CAN BE CONSTRUCTED IN ASSOCIATION WITH THE GLIDER CLUB AREA BITUMINOUS PAVING. THE CONTRACTOR AND RESIDENT ENGINEER WILL AGREE UPON THE MANNER IN WHICH THE OVERLAY IS CONSTRUCTED PRIOR TO THE OVERLAY. THE EXISTING ROAD SHALL BE REGRADED TO INSURE POSITIVE DRAINAGE AFTER THE 2" BITUMINOUS OVERLAY (SEE SHEET 8). THIS WILL BE PAID FOR UNDER ITEMS:
AR401610 BITUMINOUS SURFACE COURSE _____ 4 TONS
AR603510 BITUMINOUS TACK COAT _____ 6 GAL.

*THESE QUANTITIES ARE REPEATED IN THE GLIDER CLUB AREA QUANTITIES.



TIE DOWN MARKING DETAIL
"NOT TO SCALE"

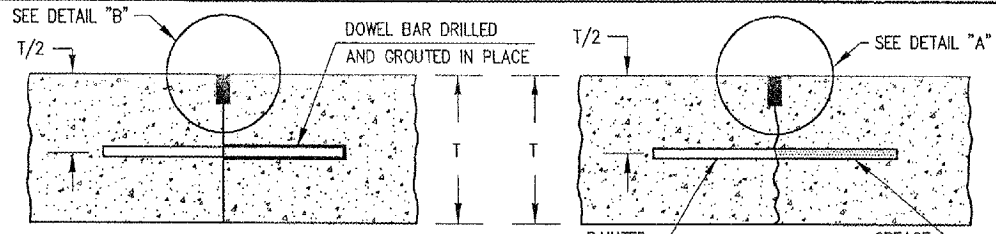
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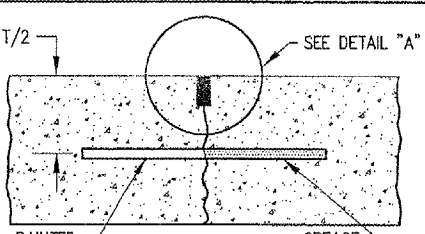
MID-AMERICAN AIR CENTER
LAWRENCEVILLE-VINCENNES AIRPORT
LAWRENCEVILLE, ILLINOIS

NO.	DATE	BY	REVIEWED

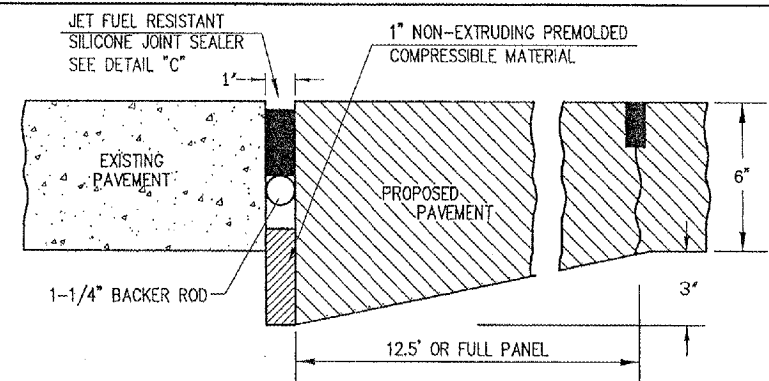
RECONSTRUCTION OF
TWO APRON AREAS
PROPOSED
CONSTRUCTION PLAN FOR
VINCENNES UNIVERSITY AREA



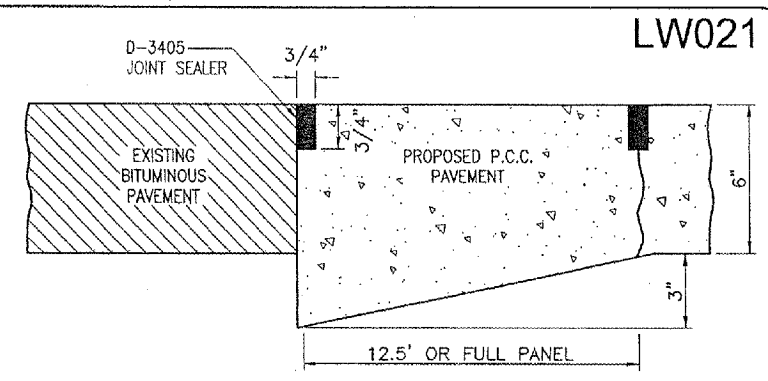
TYPE D - DOWELED
CONSTRUCTION JOINTS



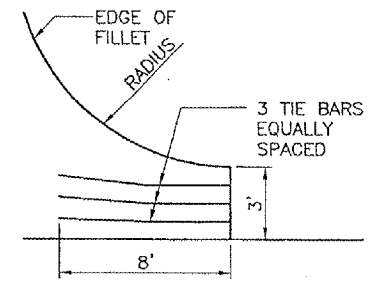
TYPE F DOWELED
CONTRACTION JOINTS



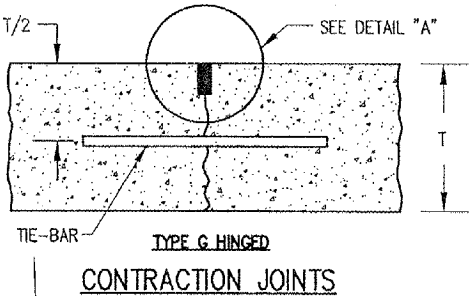
TYPE-E THICKENED EDGE
EXPANSION JOINTS



TYPE-A THICKENED EDGE
EXPANSION JOINTS



FILLET DETAIL
"NOT TO SCALE"



TYPE G HINGED
CONTRACTION JOINTS

JOINTING NOTES

ALL EXPOSED JOINT EDGES SHALL BE EDGED WITH AN APPROVED TOOL HAVING A RADIUS OF 1/4" OR STONED TO PRODUCE THE 1/8" CHAMFER.

ALL LONGITUDINAL AND TRANSVERSE CONTRACTION AND CONSTRUCTION JOINTS SHALL BE SAWED.

ALL DOWEL BARS SHALL BE SECURELY HELD IN PLACE BY MEANS OF A DOWEL BAR ASSEMBLY WHICH WILL INSURE THAT THEY WILL REMAIN PARALLEL TO THE SURFACE OF THE PAVEMENT AND TO THE CENTERLINES OF THE PAVEMENT LANES. THE DOWEL BAR ASSEMBLIES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. DOWELS SHALL BE 3/4" DIA., 18" LENGTH AND 12" SPACING.

THE DOWEL BARS SHALL BE SECURELY HELD IN PLACE BY SUPPORT PINS OR OTHER METHODS TO PREVENT SHIFTING DURING AND AFTER CONCRETE PLACEMENT. SUPPORT PINS SHALL BE OF SUFFICIENT LENGTH TO PENETRATE AT LEAST 6" INTO THE SUBGRADE.

ALLOWABLE TOLERANCES FOR GROOVE DEPTH WILL BE +1/8" FOR CONSTRUCTION JOINTS AND +1/4" FOR CONTRACTION JOINTS.

THE COST OF ALL DOWEL BARS, TIE-BARS, SAWING AND SEALING SHALL BE INCLUDED IN THE COST OF THE P.C.C. PAVEMENT.

PRIOR TO PLACING ADJACENT PAVEMENT SECTIONS, THE VERTICAL EDGE SHALL BE CHECKED FOR TRUENESS, IF THE FACE IS BURRED OR IRREGULAR, THE CONTRACTOR SHALL GRIND, STONE, OR SAW THE FACE A MINIMUM OF 2" IN DEPTH TO PRODUCE A SMOOTH AND STRAIGHT EDGE.

WHEN CONSTRUCTING "FILL-IN" PAVEMENT LANES THE CONTRACTOR SHALL USE BELTING OR OTHER PROTECTIVE MATERIAL FOR THE PAVING MACHINE TO TRAVEL ON AND WILL ROPE THE TRANSVERSE JOINTS.

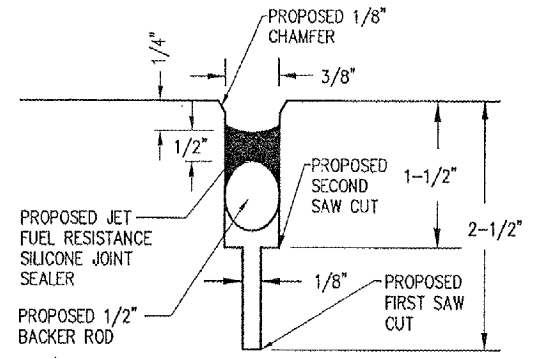
JOINT SEALANT SHALL BE AS SPECIFIED IN THE RECURRING SPECIAL PROVISIONS ITEM AR605000.

CURING COMPOUND WILL BE AS SPECIFIED IN THE SPECIFICATIONS, AND SHALL BE APPROVED PRIOR TO THE PAVING OPERATION BY THE ENGINEER.

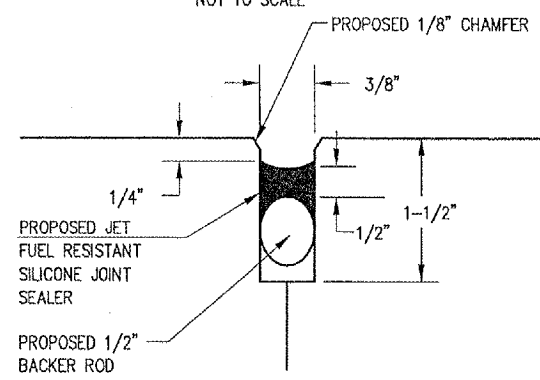
ALL NON-ALIGNED EDGES WILL BE SAWED FULL DEPTH.

LEGEND

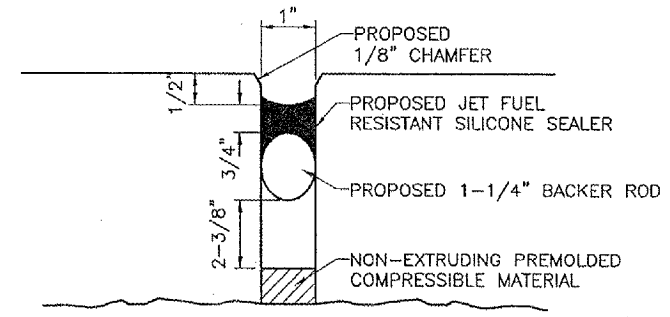
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING FENCE
- PROPOSED IMPROVEMENTS
- PROPOSED TYPE D LONGITUDINAL CONSTRUCTION JOINT
- PROPOSED TYPE G LONGITUDINAL CONTRACTION JOINT
- PROPOSED TYPE F TRANSVERSE CONTRACTION JOINT
- PROPOSED TYPE A THICKENED EDGE EXPANSION JOINT
- PROPOSED TYPE E THICKENED EDGE EXPANSION JOINT



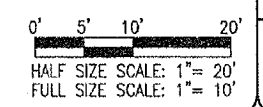
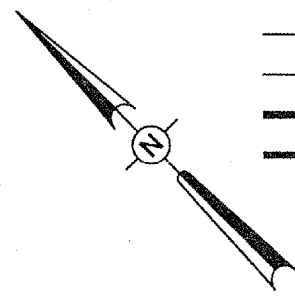
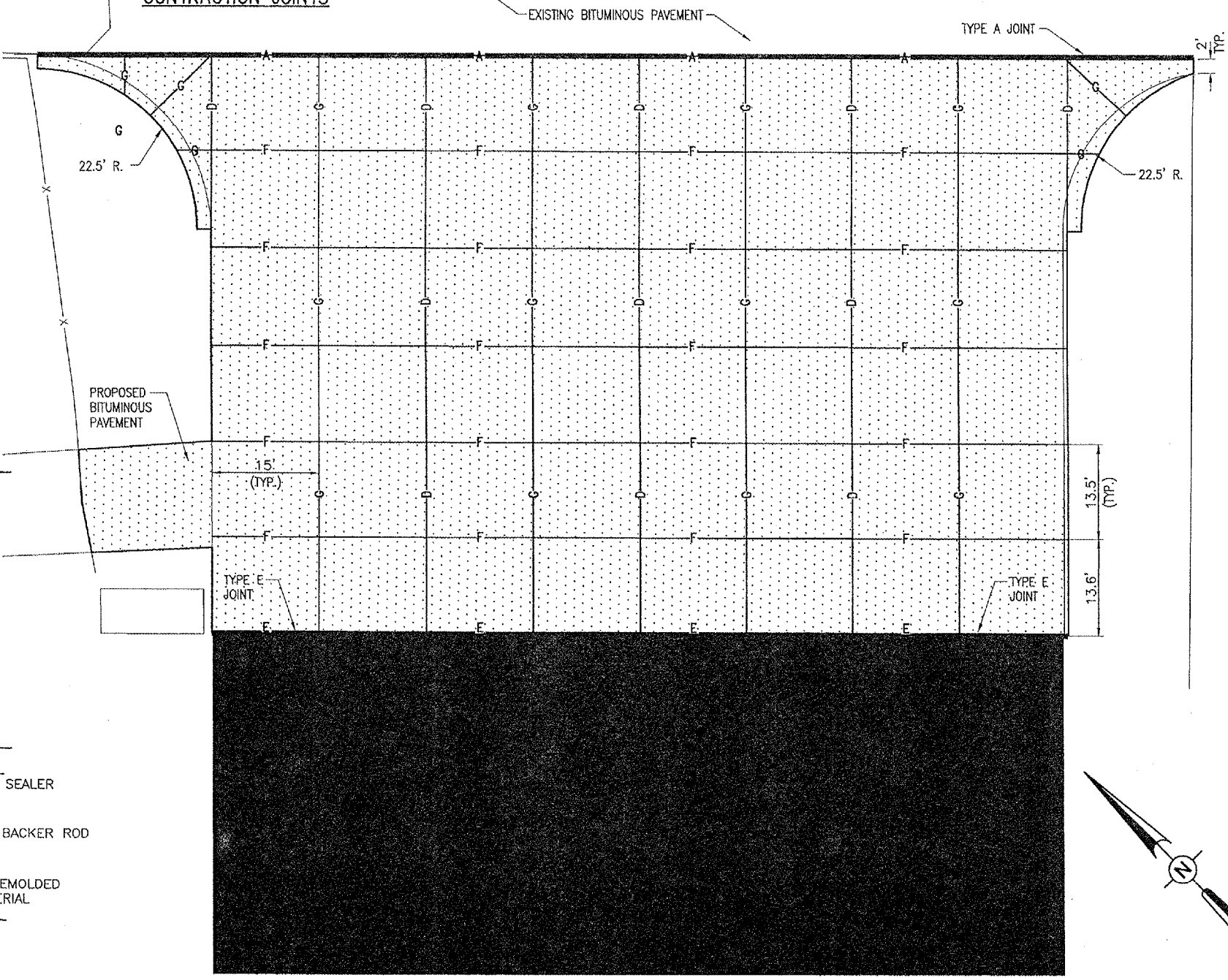
DETAIL "A"
NOT TO SCALE



DETAIL "B"
NOT TO SCALE



DETAIL "C"
"NOT TO SCALE"



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BY	
REVISION	
DATE	

MID-AMERICAN AIR CENTER
LAURENCEVILLE-VINCENNES AIRPORT
LAURENCEVILLE, ILLINOIS

ILL. Project No. 812-06/END-0800	
Revision R-161/JNT.DWG	
Scale 1" = 10'	
Date 12/12/05	
LAYOUT 12/12/05	
DRAWN B.A.K.	12/12/05
REVIEWED C.A.H.	1/12/06



RECONSTRUCTION OF
TWO APRON AREAS
PROPOSED
JOINTING PLAN FOR
VINCENNES UNIVERSITY AREA

SHOULDER ADJUSTMENT NOTE

WHERE THE PROPOSED PAVEMENT IS ADJACENT TO TURFED AREAS, EARTH SHOULDERS WILL BE CONSTRUCTED. THE EARTH SHOULDERS ARE SHOWN ON THIS SHEET AS THE PROPOSED SODDING AREA. THE EARTH SHOULDERS WILL NOT REQUIRED COMPACTING, OTHER THAN LIGHT ROLLING AND SHAPING. THE AREA REQUIRING SHOULDER ADJUSTMENT WILL BE GRADED TO DRAIN TOWARDS INLETS.

THE MATERIAL FOR THE PROPOSED SHOULDERS WILL BE PAID FOR UNDER ITEM:
AR152480 SHOULDER ADJUSTMENT 263 S.Y.

SOD PLACEMENT NOTE

SOD PLACED ALONG THE PAVEMENT EDGE SHALL BE PLACED AT AN ELEVATION THAT WILL NOT INTERFERE WITH THE FLOW OF WATER OFF THE PAVEMENT. THE SOD SHALL BE PLACED AT AN ELEVATION OF 0.5" TO 1" BELOW THE PAVEMENT ELEVATION. ANY GRADING OR ADJUSTMENT REQUIRED TO THESE AREAS WILL BE CONSIDERED INCIDENTAL TO THE SODDING PAY ITEM AR904510, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SODDING DATA

THE GRADING LIMITS FOR THE SODDING AREA ON THIS SHEET ARE DESIGNATED AS (). ALL AREAS WITHIN THESE LIMITS, EXCEPT THE PROPOSED PAVEMENT, SHALL BE LIMED, FERTILIZED AND SEEDED IN ACCORDANCE WITH THE FOLLOWING FORMULA AND RATES OF APPLICATION.

LIME (TONS PER ACRE)	2
FERTILIZER (MINIMUM POUNDS OF AVAILABLE PLANT FOOD PER ACRE)	
N	90
P ₂ O ₅	350
K ₂ O	240
TOTAL	680

ALL AREAS OUTSIDE THE GRADING AND SODDING LIMITS DISTURBED BY THE CONTRACTOR WILL BE LIMED, FERTILIZED AND SODDED IN ACCORDANCE WITH THE REQUIREMENTS OF ITEM AR904510, AT NO ADDITIONAL COST TO THE CONTRACT.

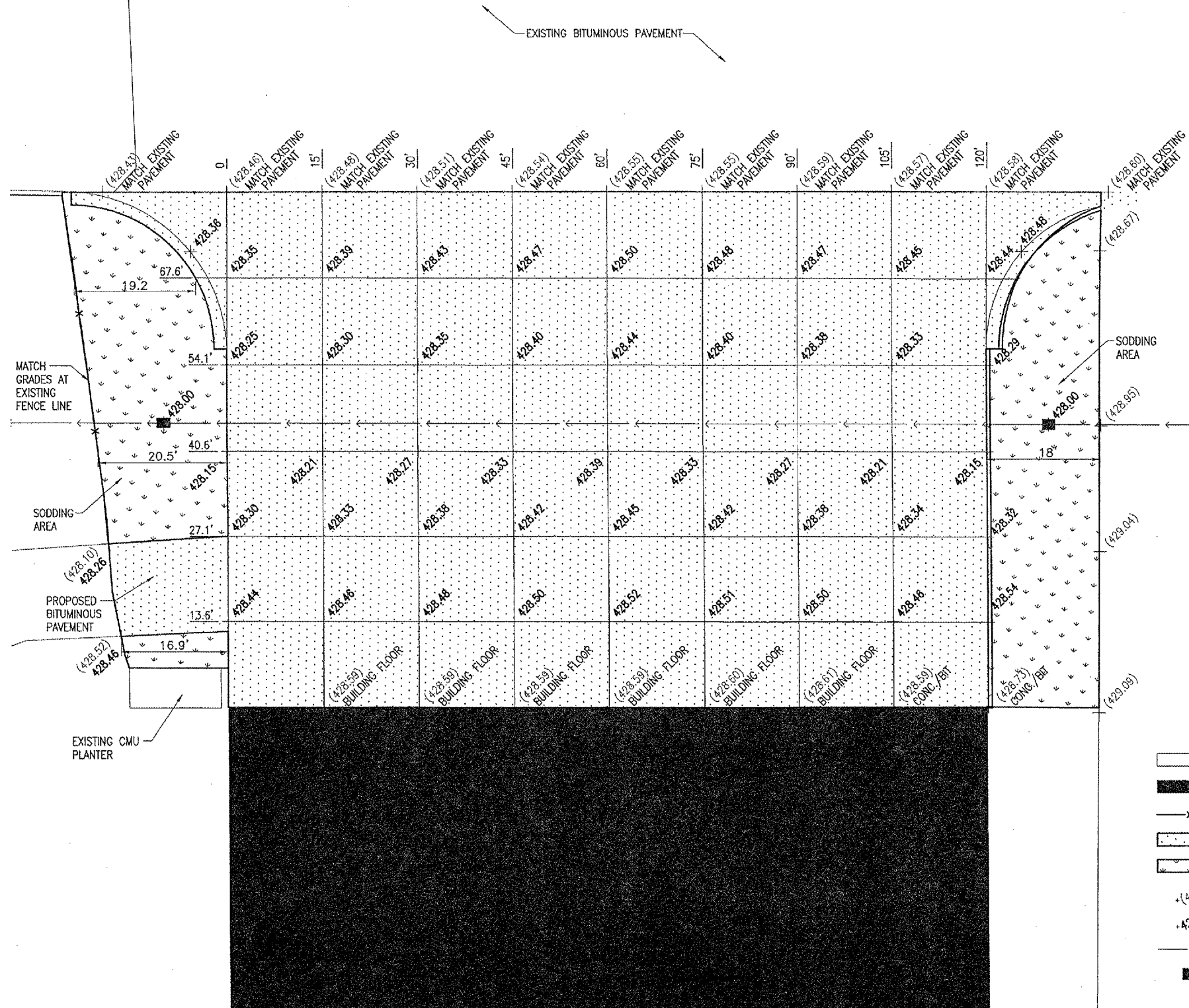
THE SOIL SHALL BE THOROUGHLY LOOSENEED TO A DEPTH NOT LESS THAN 5 INCHES.

THE SOD BED SHALL BE SMOOTH AND TO GRADE PRIOR TO THE SODDING OPERATIONS. THE CONTRACTOR WILL USE DRAG BARS, HARROWS OR OTHER EQUIPMENT NECESSARY TO OBTAIN A SMOOTH GRADE TO THE SATISFACTION OF THE ENGINEER.

ALL ROCK, ASPHALT OR CONCRETE DEBRIS LEFT FROM THE PAVING OPERATION WILL BE DISPOSED OF OFF THE AIRPORT SITE.

THE PRIME CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATION OF ALL SUB-CONTRACTORS AS TO THEIR RESPONSIBILITIES PERTAINING TO THE SODDING OPERATIONS.

THIS WORK WILL BE PAID FOR UNDER THE FOLLOWING ITEM NO. AR904510 SODDING 263 S.Y.



DATE	REVISION	BY

MID-AMERICAN AIR CENTER
LAWRENCEVILLE-VINCENNES AIRPORT
LAWRENCEVILLE, ILLINOIS

IL PROJ.: LW-3546 A.I.P. PROJ.: 3-17-0061-B12

HD Project No.	812-06AEND.0800
File Name	R-191STK.DWG
Scale	1" = 10'
Date	12/12/05
LAYOUT	B.A.B. 12/12/05
DRAWN	B.A.K. 12/12/05
REVIEWED	C.A.H. 1/13/06

RECONSTRUCTION OF
TWO APRON AREAS
PROPOSED
STAKING PLAN FOR
VINCENNES UNIVERSITY AREA

GLIDER CLUB AREA

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR125100	ELEVATED RETROREFLECTIVE MARKER	EACH	9	
AR401610	BITUMINOUS SURFACE COURSE	TON	989	
AR401650	BUTT JOINT CONSTRUCTION	S.Y.	132	
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	2,659	
AR501115	CRACK & SEAT PAVEMENT	S.Y.	7,309	
AR501550	PCC PAVEMENT MILLING	S.Y.	339	
AR603510	BITUMINOUS TACK COAT	GAL.	1,828	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	628	
AR754710	CONCRETE FLUME	EACH	2	
AR800592	GROUT EXISTING TIE DOWNS	EACH	72	
AR800593	REPAIR EXISTING CONCRETE FLUME	EACH	1	

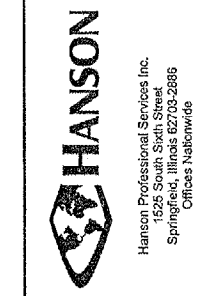
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DATE	REVISION	BY

MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS

IL PROJ.: LWV-3546 A.I.P. PROJ.: 3-17-0051-812

IGI Project No. 812-06APND_0800	12/12/05
Fluorine R-002FLP.DWG	12/12/05
Scale NOT TO SCALE	12/12/05
Date 12/12/05	1/13/06
LAYOUT B.A.K.	12/12/05
DRAWN B.A.K.	12/12/05
REVIEWED C.A.H.	1/13/06



RECONSTRUCTION OF
 TWO APRON AREAS

FLAP SHEET
 FOR
 GLIDER CLUB AREA

GROUT EXISTING TIE DOWNS

THERE ARE APPROXIMATELY 72 EXISTING TIE DOWNS LOCATED WITHIN THE PROPOSED IMPROVEMENT AREA. THESE TIE DOWNS SHALL BE CLEANED AND THEN GROUTED. THE GROUT SHALL BE APPROVED BY THE ENGINEER PRIOR TO IT'S USE ON THIS PROJECT. THE CLEANING AND APPLICATION SHALL BE AS PER THE MANUFACTURER'S RECOMMENDATIONS.

THE GROUTING OF THE EXISTING TIE DOWNS WILL BE PAID FOR UNDER ITEM:

AR800592 GROUT EXISTING TIE DOWN _____ 72 EACH

PAVEMENT CRACKING & SEATING NOTES:

THE EXISTING PORTLAND CEMENT CONCRETE PAVEMENT SHALL BE CRACKED INTO 1-1/2 FEET TO 2 FEET PIECES IN PLACE USING A GUILLOTINE HAMMER, CAPABLE OF DELIVERING SUFFICIENT DYNAMIC FORCE TO CRACK THE PAVEMENT FULL DEPTH (10"). HOWEVER, THE CRACKING IS NOT TO BE DESTRUCTIVE, CRUSHING OR SHATTERING THE EXISTING CONCRETE IS NOT INTENDED. THE CRACKS SHALL BE FINE LINES BETWEEN THE INDIVIDUAL PIECES WITH AGGREGATE INTERLOCK MAINTAINED. ALL LOOSE MATERIAL FROM THE CRACK AND SEAT PROCESS WILL BE CLEANED UP TO THE SATISFACTION OF THE RESIDENT ENGINEER. THE CRACKING & SEATING WILL TAKE PLACE ON THE AREAS AS SHOWN ON THIS SHEET, TO RECIEVE BITUMINOUS OR P.F.C. OVERLAYS.

THE PROPOSED CRACKING AND SEATING WILL BE PAID FOR UNDER:
ITEM AR501115 CRACK AND SEAT PAVEMENT _____ 7,309 S.Y.

LW021

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.

AR501550 PCC PAVEMENT MILLING NOTES

THE PROPOSED PCC PAVEMENT MILLING SHALL BE CONSTRUCTED IN ACCORDANCE WITH ITEM AR501550 "PCC PAVEMENT MILLING" AS STATED ON PAGE 36B OF THE SUPPLEMENTAL SPECIFICATION AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

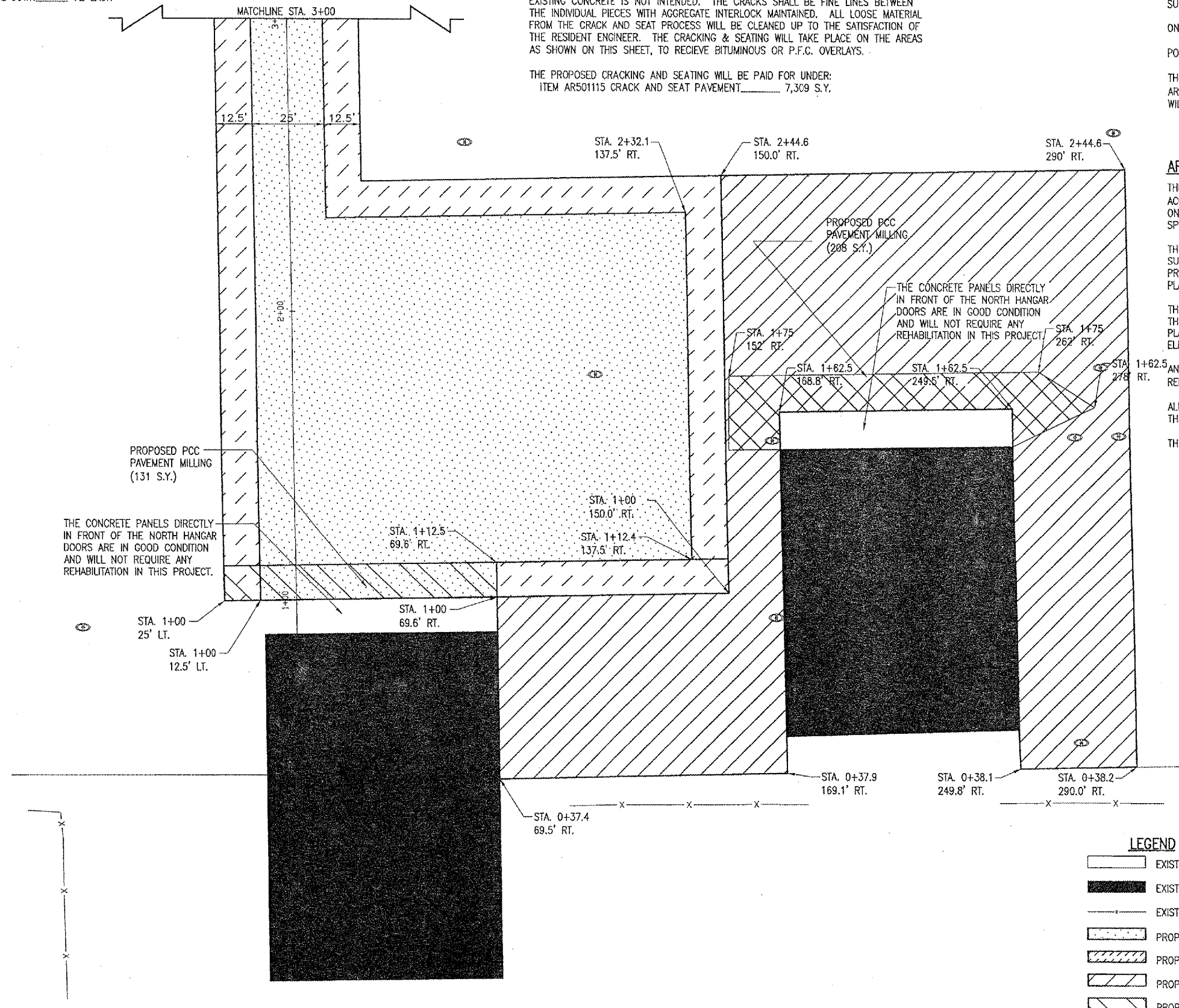
THIS ITEM SHALL CONSIST OF MILLING THE EXISTING PCC PAVEMENT SURFACE IN ORDER TO CONSTRUCT A SMOOTH TRANSITION FOR THE PROPOSED BITUMINOUS OVERLAY AT THE LOCATIONS AS SHOWN ON THE PLANS.

THE PAVEMENT SURFACE WILL BE MILLED TO A DEPTH OF 0.17 FT. AT THE BUTT END AND WILL TAPER TO 0 IN. AT THE OPPOSITE END. THE PLANER MUST BE CAPABLE OF MILLING THE SURFACE TO THE DESIRED ELEVATIONS AND GRADES.

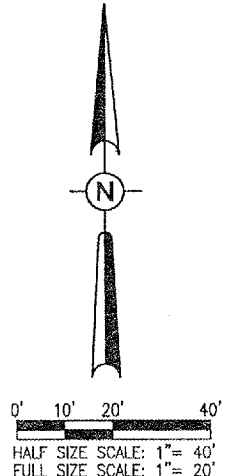
ANY ADJACENT PAVEMENT DAMAGED BY THE MILLING OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.

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

THE PAVEMENT MILLING WILL BE PAID FOR UNDER ITEM:
AR501550 "PCC PAVEMENT MILLING" _____ 339 S.Y.



- LEGEND**
- EXISTING PAVEMENT
 - EXISTING BUILDING
 - EXISTING FENCE
 - PROPOSED BITUMINOUS OVERLAY (4" AVERAGE)
 - PROPOSED BITUMINOUS TAPER
 - PROPOSED POROUS FRICTION COURSE
 - PROPOSED PCC PAVEMENT MILLING



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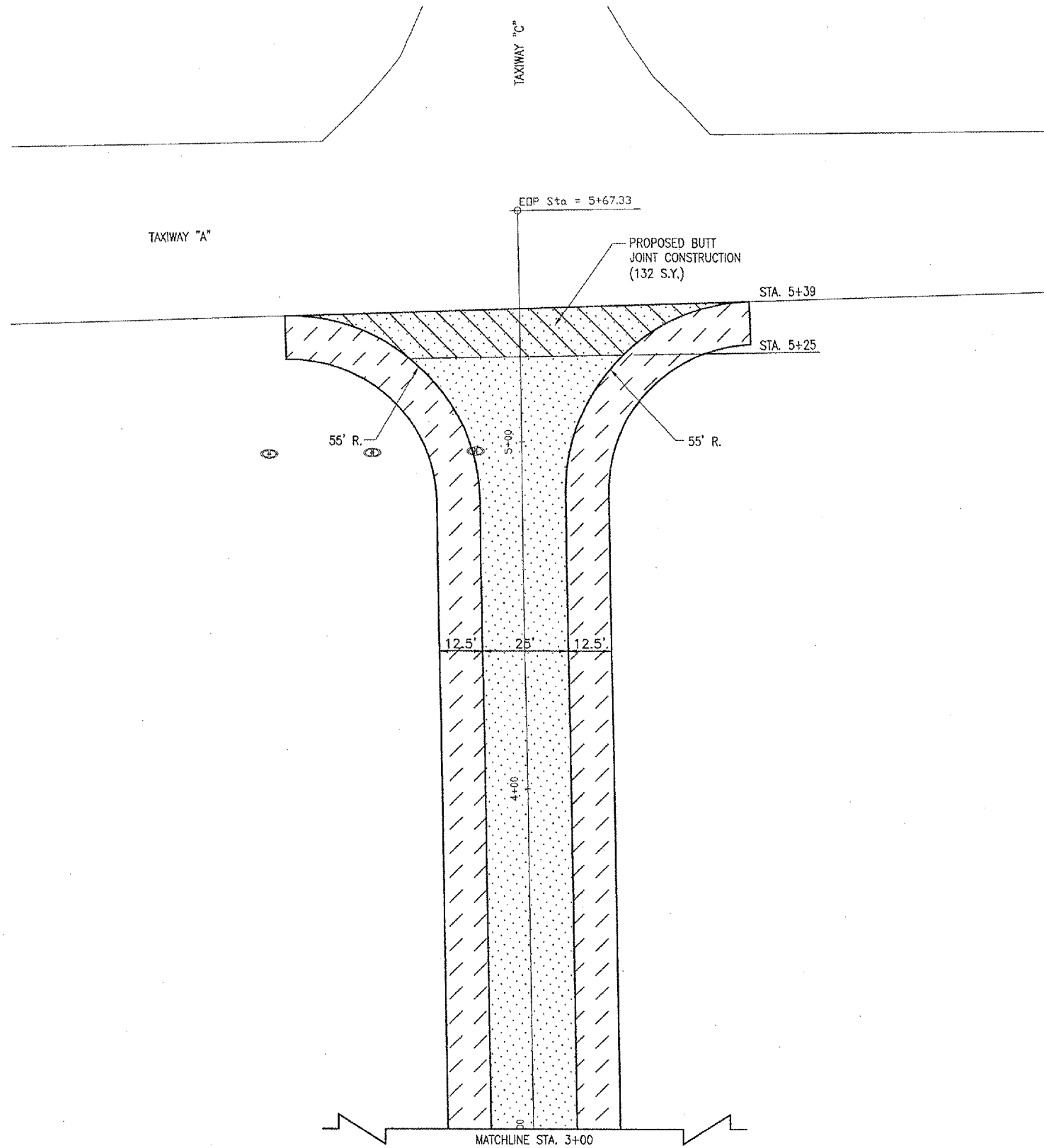
MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS
 I.L. PROJ.: LW-3546
 A.I.P. PROJ.: 3-17-0061-B12

Project No.	B12-06APND-0800
Drawn	R-111-PPR-DWG
Scale	1" = 20'
Date	12/12/05
LAYOUT	B.K.B. 12/12/05
DRAWN	B.A.K. 12/12/05
REVIEWED	C.A.H. 1/13/06

HANSON
 Hanson Professional Services, Inc.
 1525 South Skid Street
 Springfield, Illinois 62703-2086
 Offices Nationwide

RECONSTRUCTION OF
 TWO APRON AREAS
 PROPOSED PAVEMENT
 PREPARATION PLAN
 STA. 0+00 TO STA. 3+00

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AR401655 BUTT JOINT CONSTRUCTION NOTES LW021

THE PROPOSED BUTT JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ITEM AR401655 "BUTT JOINT CONSTRUCTION" AS STATED ON PAGE 295 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 0.17 FT. AT THE BUTT END AND WILL TAPER TO 0 IN. AT THE OPPOSITE END. THE PLANER 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" 132 S.Y.

DATE	REVISION	BY

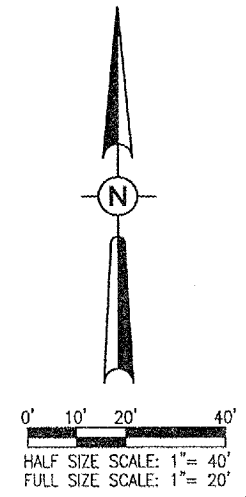
MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS
 I.L. PROJ.: LW-3546 A.I.P. PROJ.: 3-17-0061-B12

812-06APND_0800	12/12/05
R-111PRP.DWG	12/12/05
Scale 1" = 20'	12/12/05
Date 12/12/05	1/13/06
LAYOUT	B.K.B.
DRAWN	B.A.K.
REVIEWED	C.A.H.



RECONSTRUCTION OF
 TWO APRON AREAS
 PROPOSED PAVEMENT
 PREPARATION PLAN
 STA. 3+00 TO STA. 5+67.33

- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED BITUMINOUS OVERLAY (4" AVERAGE)
 - PROPOSED BITUMINOUS TAPER
 - PROPOSED BUTT JOINT CONSTRUCTION



603-BITUMINOUS TACK COAT NOTES:

THE BITUMINOUS TACK COAT (603) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR603 "BITUMINOUS TACK COAT" AS STATED ON PAGE 62 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE PROPOSED BITUMINOUS TACK COAT SHALL BE PLACED ON THE PROPOSED BITUMINOUS PAVEMENT PRIOR TO THE PLACEMENT OF THE NEXT LIFT OF PROPOSED BITUMINOUS SURFACE COURSE. THE PROPOSED BITUMINOUS PAVEMENT SHALL HAVE A TACK COAT OF BITUMINOUS MATERIAL APPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.

603-1.2 QUANTITY OF MATERIAL.

AS PER TABLE 1 LOCATED ON PAGE 66 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

603-2.1 BITUMINOUS MATERIAL.

AS PER TABLE 1 LOCATED ON PAGE 66 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

603-3.1 WEATHER LIMITATIONS.

AS PER TABLE 1 LOCATED ON PAGE 66 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

603-3.3 APPLICATION OF BITUMINOUS MATERIAL.

AS PER TABLE 1 LOCATED ON PAGE 66 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE PROPOSED BITUMINOUS TACK COAT WILL BE PAID FOR UNDER ITEM:
AR603510 BITUMINOUS TACK COAT _____ 1,828 GAL.

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 A TAXIWAY CENTERLINE STRIPE IN ACCORDANCE WITH THESE SPECIFICATIONS AND AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. ALL MARKING WILL BE SOLID AND YELLOW IN COLOR. 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 _____ 628 S.F.

401 - BITUMINOUS SURFACE COURSE NOTES

401-BITUMINOUS SURFACE COURSE NOTES

THE BITUMINOUS SURFACE COURSE (401) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR401001 "BITUMINOUS SURFACE COURSE-METHOD 1" AS STATED ON PAGE 245 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

This item of work shall consist of constructing TWO LIFTS OF a bituminous surface course (2 in. depth EACH) on the PROPOSED ACCESS TAXIWAY AND AIRCRAFT PARKING APRON.

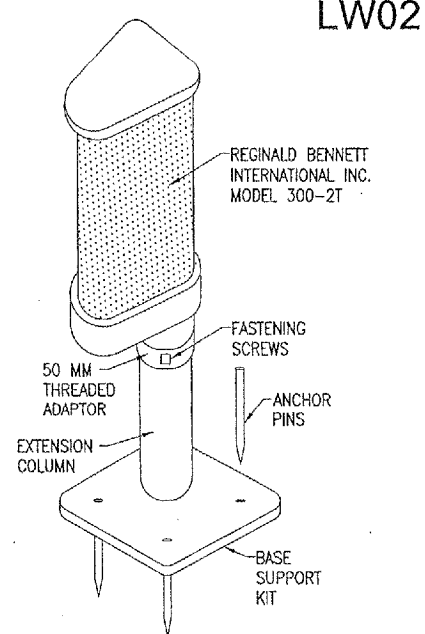
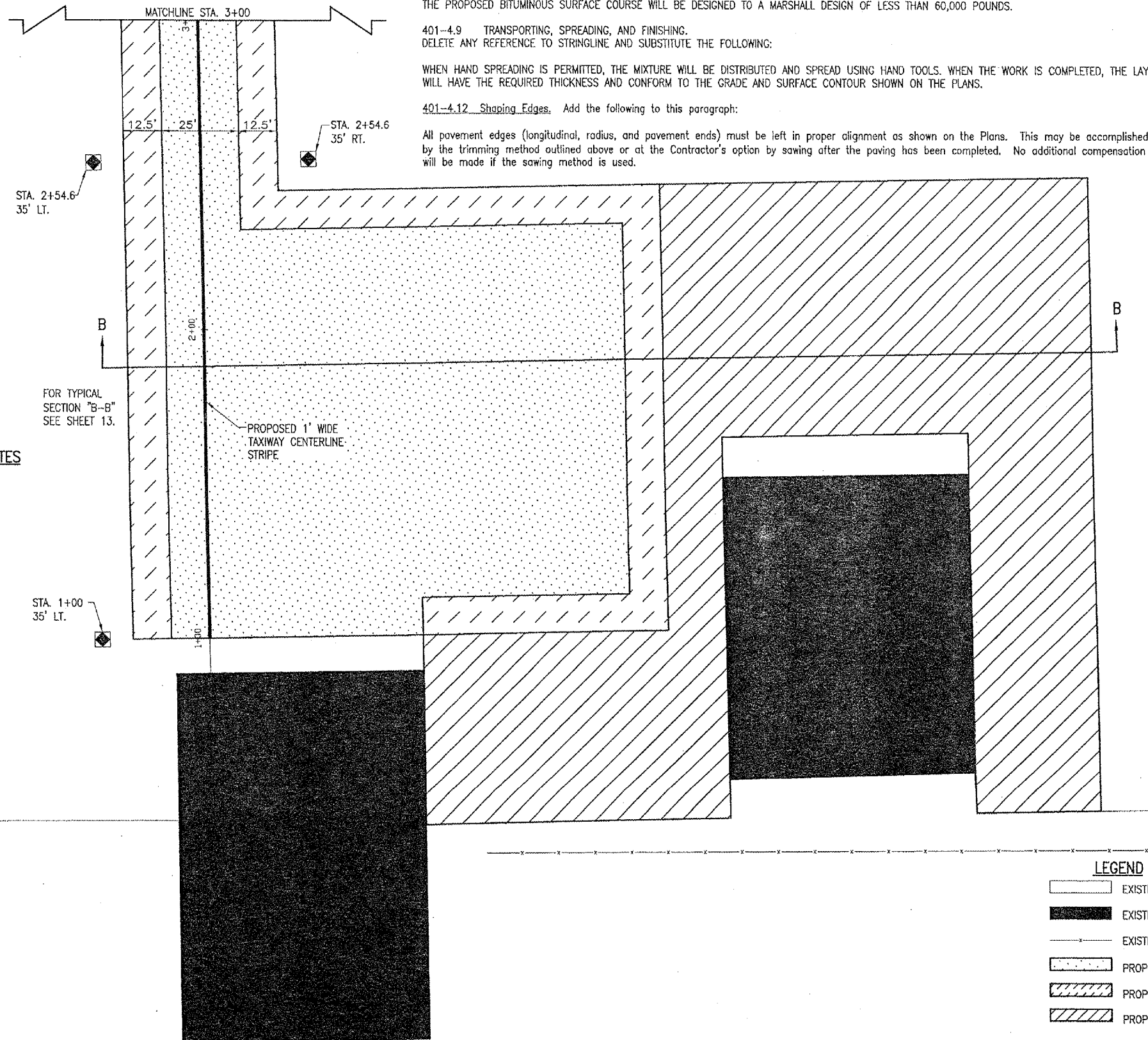
THE PROPOSED BITUMINOUS SURFACE COURSE WILL BE DESIGNED TO A MARSHALL DESIGN OF LESS THAN 60,000 POUNDS.

401-4.9 TRANSPORTING, SPREADING, AND FINISHING.
DELETE ANY REFERENCE TO STRINGLINE AND SUBSTITUTE THE FOLLOWING:

WHEN HAND SPREADING IS PERMITTED, THE MIXTURE WILL BE DISTRIBUTED AND SPREAD USING HAND TOOLS. WHEN THE WORK IS COMPLETED, THE LAYER WILL HAVE THE REQUIRED THICKNESS AND CONFORM TO THE GRADE AND SURFACE CONTOUR SHOWN ON THE PLANS.

401-4.12 Shaping Edges. Add the following to this paragraph:

All pavement edges (longitudinal, radius, and pavement ends) must be left in proper alignment as shown on the Plans. This may be accomplished by the trimming method outlined above or at the Contractor's option by sawing after the paving has been completed. No additional compensation will be made if the sawing method is used.



PROPOSED RETROREFLECTIVE MARKER DETAIL

"NOT TO SCALE"

ELEVATED RETROREFLECTIVE TAXIWAY MARKERS

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING ELEVATED RETROREFLECTIVE MARKERS AT THE LOCATIONS SHOWN AND IN ACCORDANCE WITH THE DETAILS ON THE CONSTRUCTION PLANS. ALSO INCLUDED IN THIS ITEM WILL BE ANY OTHER INCIDENTALS NECESSARY TO COMPLETE THIS ITEM OF WORK TO THE SATISFACTION OF THE RESIDENT ENGINEER.

THE RETROREFLECTIVE MARKERS SHALL BE REGINALD BENNETT INTERNATIONAL INC. MODEL NUMBER 300-2T. THE INSTALLATION SHALL INCLUDE THE ANCHOR, COUPLING, TUBE, AND RETROREFLECTIVE MARKER (BLUE). THE HEIGHT OF THE MARKER WILL BE 24".

THE ELEVATED RETROREFLECTIVE MARKERS WILL BE PAID FOR UNDER ITEM:
AR125100 ELEVATED RETROREFLECTIVE MARKER _____ 9 EACH.

POROUS FRICTION COURSE NOTES

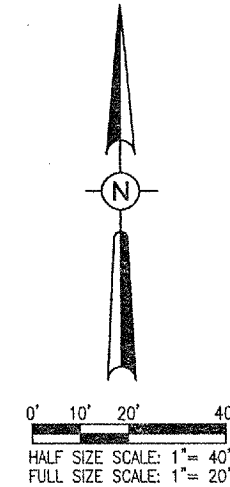
THE PROPOSED POROUS FRICTION COURSE WILL BE CONSTRUCTED IN ONE LAYER, HAVING A COMPACTED NOMINAL THICKNESS OF 0.10 FOOT.

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

POROUS FRICTION COURSE WILL BE CONSTRUCTED IN THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

LEGEND

- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING FENCE
-
- PROPOSED BITUMINOUS TAPER
- PROPOSED POROUS FRICTION COURSE
- PROPOSED MARKING
- PROPOSED ELEVATED RETROREFLECTIVE MARKER



APR 05, 2006 3:36 PM CAH
I:\AIRPORTS\LAURENCE\812-06APN\AIRPORT\SHEETS\R-12\CON.DWG - STA. 0+00 TO STA. 3+00

BY	CAH
REVISION	
DATE	4/4/06
REVISED AS PER	IDA REVIEW

MID-AMERICAN AIR CENTER
LAURENCEVILLE-VINCENNES AIRPORT
LAURENCEVILLE, ILLINOIS
A.I.P. PROJ.: J-17-0061-B12
IL PROJ.: LW-3546

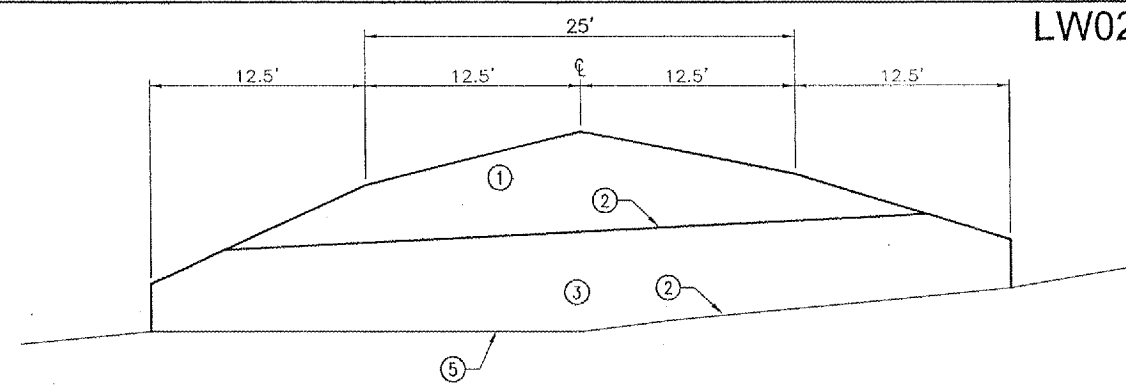
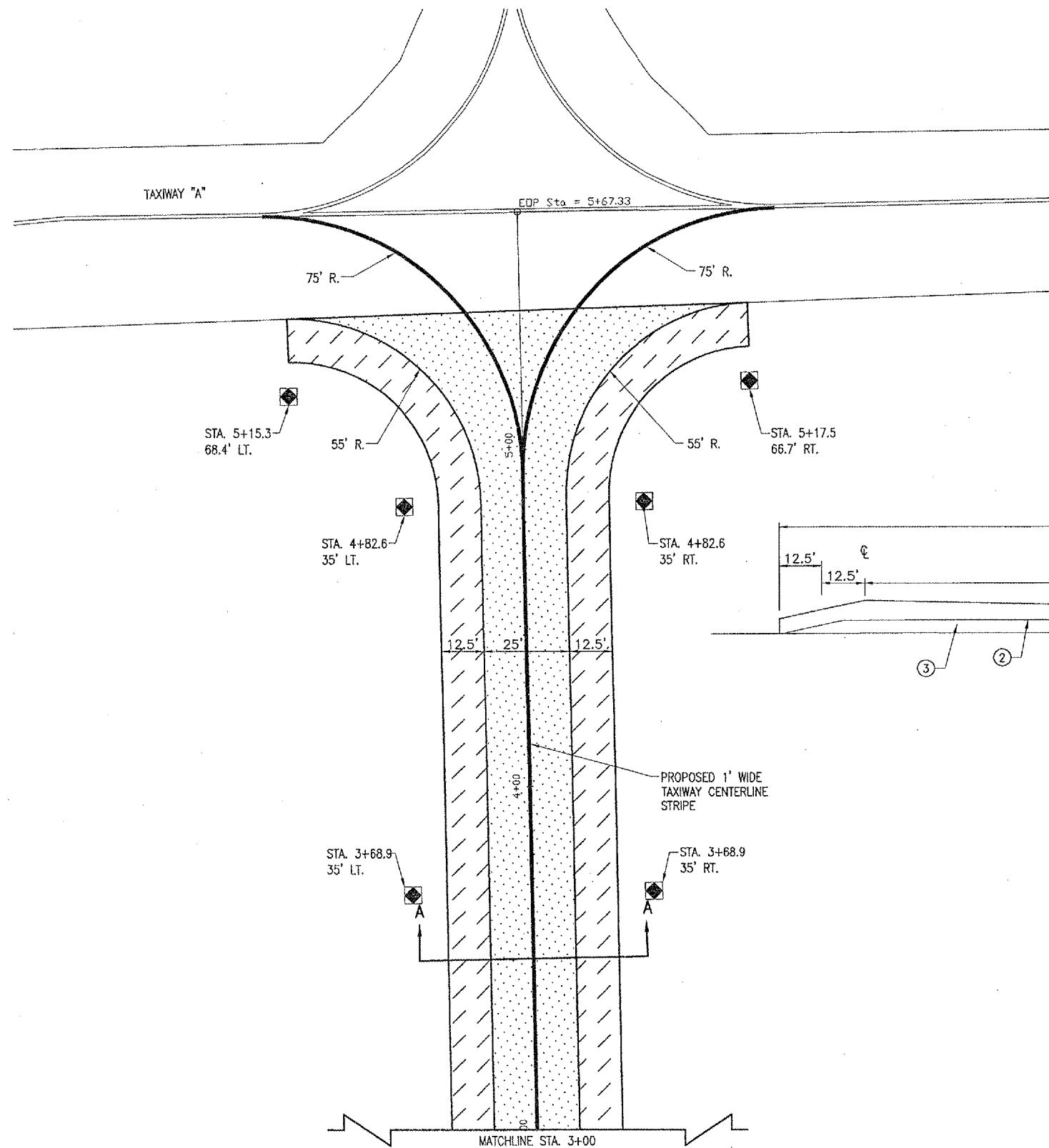
HEL Project No.	812-06APND 0800
File Name	R-12\CON.DWG
Scale	1" = 20'
Date	12/12/05
LAYOUT	B.K.B. 12/12/05
DRAWN	B.A.K. 12/12/05
REVIEWED	C.A.H. 1/13/06

HANSON
Hanson Professional Services, Inc.
1525 South 51st Street
Springfield, Illinois 62703-2808
Offices Nationwide

RECONSTRUCTION OF
TWO APRON AREAS
PROPOSED
CONSTRUCTION PLAN
STA. 0+00 TO STA. 3+00

MAR 29, 2006 10:33 AM CAH
 I:\AIRPORTS\LAURENCE\812-06APM\AIRPORT\SHEETS\R-121CON.DWG - STA. 3+00 TO STA. 5+67.33

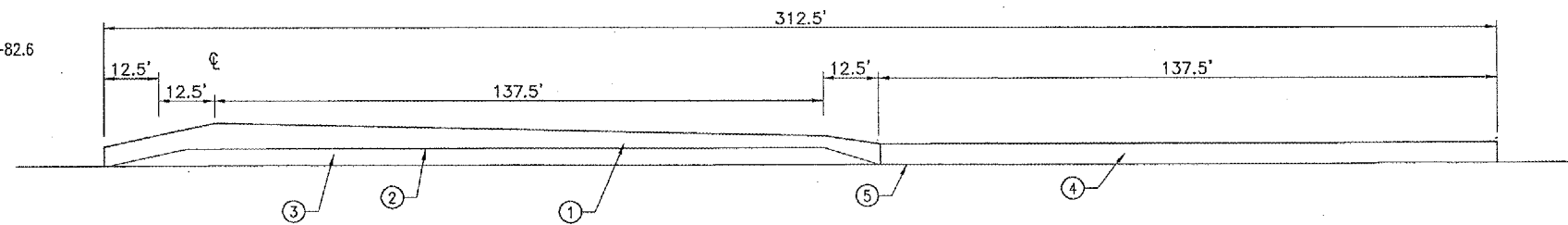
LW021



TYPICAL SECTION "A-A"
 "NOT TO SCALE"

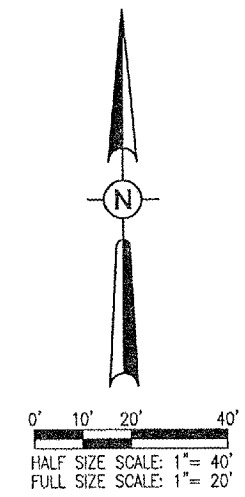
LEGEND FOR TYPICAL SECTION "A-A" AND "B-B"

- ① PROPOSED 401 BITUMINOUS SURFACE COURSE (2" DEPTH)
- ② PROPOSED 603 BITUMINOUS TACK COAT (0.15 GAL./S.Y.)
- ③ PROPOSED 401 BITUMINOUS SURFACE COURSE (2"± DEPTH)
- ④ PROPOSED 402 POROUS FRICTION COURSE (0.10" DEPTH)
- ⑤ PROPOSED 603 BITUMINOUS TACK COAT (0.25 GAL./S.Y.)



TYPICAL SECTION "B-B"
 "NOT TO SCALE"

- LEGEND
- EXISTING PAVEMENT
 - PROPOSED BITUMINOUS OVERLAY (4" AVERAGE)
 - PROPOSED BITUMINOUS TAPER
 - EXISTING MARKING
 - PROPOSED MARKING
 - PROPOSED ELEVATED RETROREFLECTIVE MARKER



DATE	REVISION	BY

MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS

IL PROJ.: LW-3546 A.I.P. PROJ.: 3-17-0061-B12

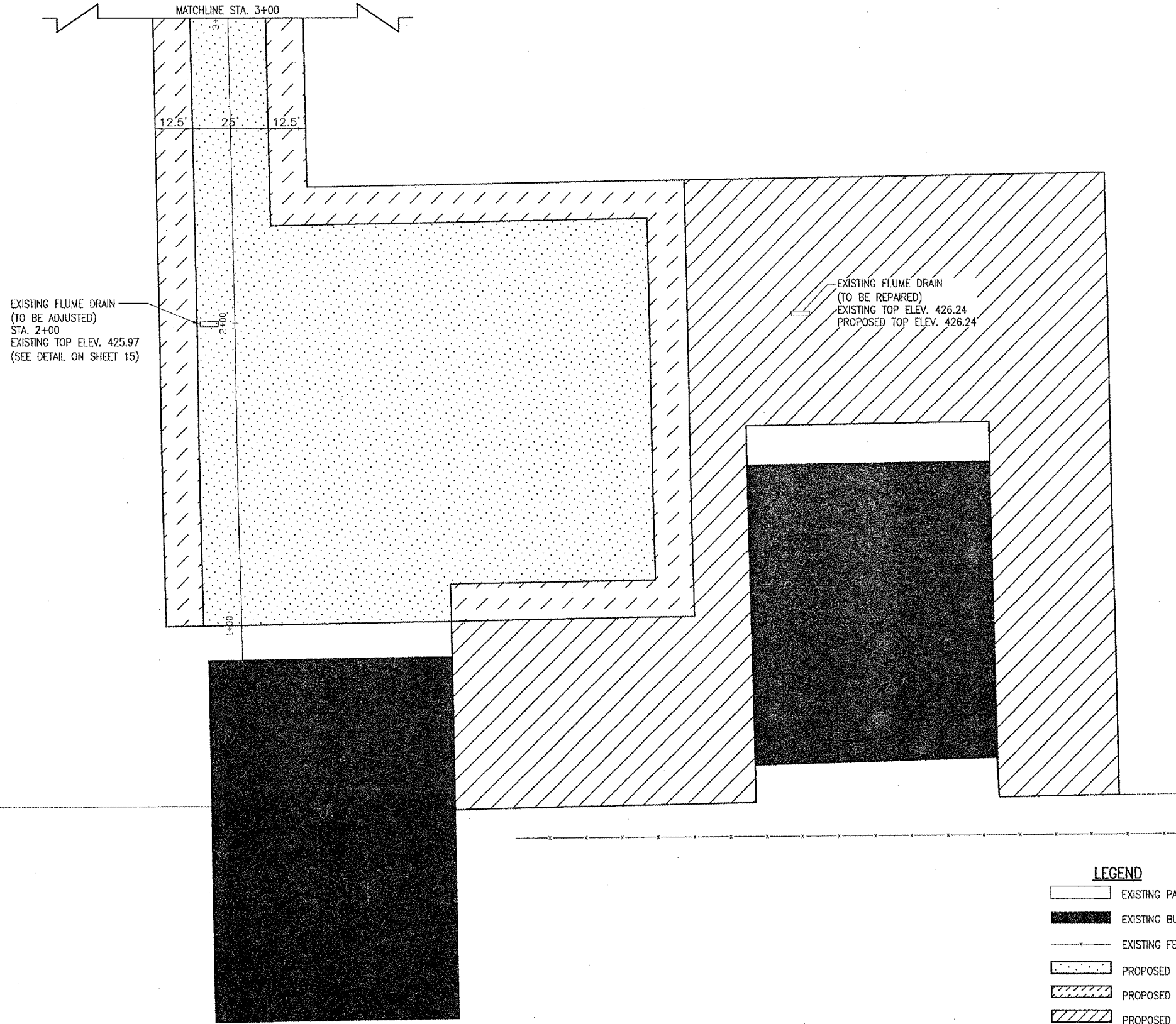
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Scale 1" = 20'	LAYOUT B.A.B. 12/12/05	DRAWN B.A.K. 12/12/05
REVIEWED C.A.H. 1/12/06		



RECONSTRUCTION OF
 TWO APRON AREAS

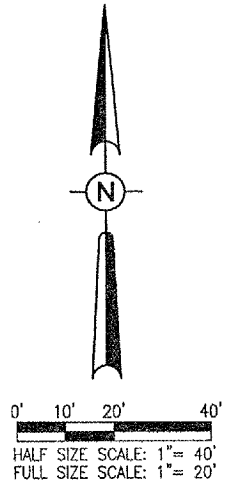
PROPOSED
 CONSTRUCTION PLAN

STA. 3+00 TO STA. 5+67.33



FLUME DRAIN NOTE:
 ALL EXISTING FLUME DRAINS LOCATED WITHIN THE PROPOSED IMPROVEMENT AREA SHALL BE CLEANED OF ALL SILT AND DEBRIS BOTH INSIDE AND OUTSIDE THE STRUCTURE TO THE SATISFACTION OF THE RESIDENT ENGINEER. THIS WORK WILL BE CONSIDERED AS INCIDENTAL TO THE INSTALLATION OF THE NEW FLUME DRAINS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

- LEGEND**
- EXISTING PAVEMENT
 - EXISTING BUILDING
 - EXISTING FENCE
 - PROPOSED BITUMINOUS OVARLAY (4" AVERAGE)
 - PROPOSED BITUMINOUS TAPER
 - PROPOSED POROUS FRICTION COURSE
 - EXISTING FLUME DRAIN (TO BE ADJUSTED)



MAR 29, 2006 10:34 AM CAH
 I:\AIRPORTS\LAURENCE\B12-06APN\AIRPORT\SHEETS\R-131\DRN.DWG - STA. 0+00 TO STA. 3+00

DATE	REVISION	BY

**MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS**

IL PROJ.: LWV-3546 A.I.P. PROJ.: 3-17-0061-812

IEE Project No. B12-06APND.0800	12/12/05
Drawings R-131\DRN.DWG	12/12/05
Scale 1" = 20'	12/12/05
Date 12/12/05	1/13/06
LAYOUT B.K.B.	
DRAWN B.A.K.	
REVIEWED C.A.H.	

HANSON
 Hanson Professional Services Inc.
 1625 South 54th Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

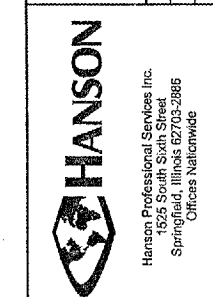
**RECONSTRUCTION OF
 TWO APRON AREAS**

PROPOSED
 DRAINAGE PLAN
 STA. 0+00 TO STA. 3+00

DATE	REVISION	BY

MID-AMERICAN AIR CENTER
LAWRENCEVILLE-VINCENNES AIRPORT
LAWRENCEVILLE, ILLINOIS

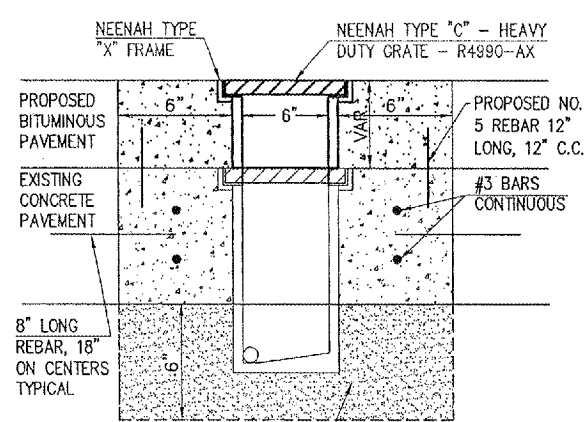
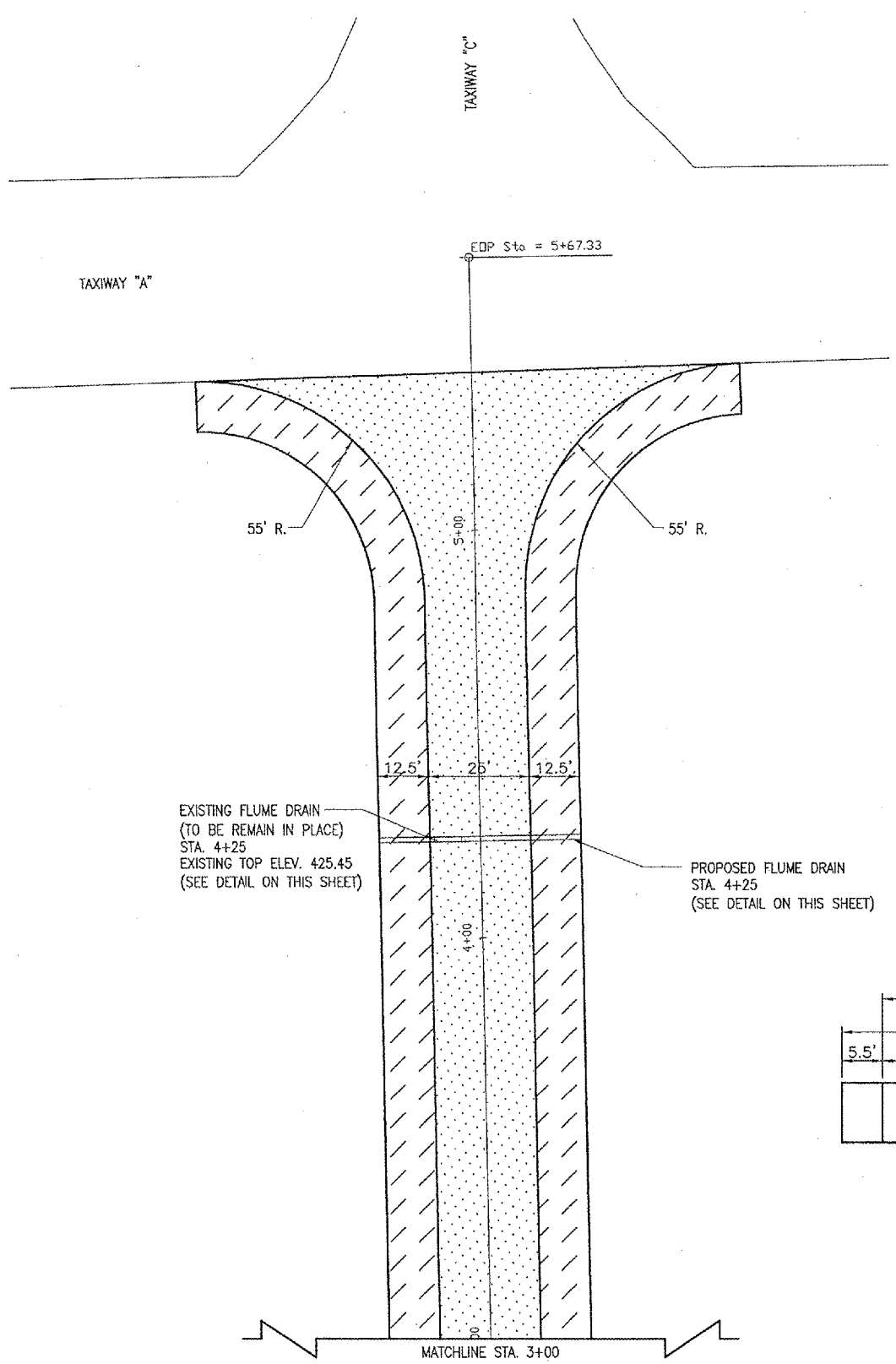
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FILED: R-1311DRN.DWG	DATE: 12/12/05
SCALE: 1" = 20'	DATE: 1/13/06
LAYOUT: B.A.B.	DATE: 12/12/05
DRAWN: B.A.K.	DATE: 12/12/05
REVIEWED: C.A.H.	DATE: 1/13/06



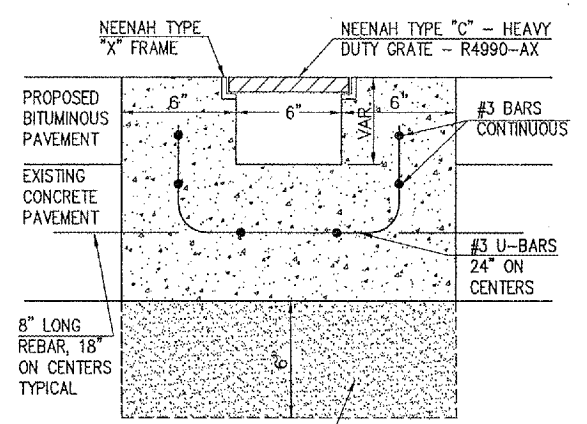
RECONSTRUCTION OF
TWO APRON AREAS

PROPOSED
DRAINAGE PLAN
STA. 3+00 TO STA. 5+67.33

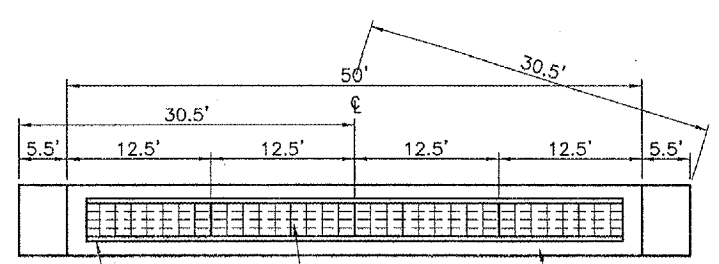
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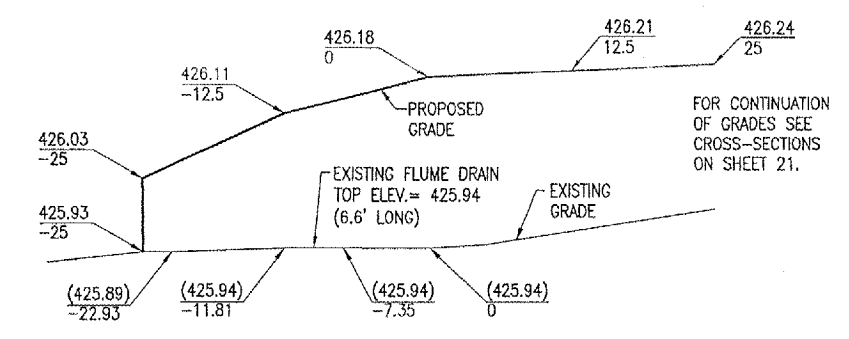
FLUME DRAIN ADJUSTMENT DETAIL
"NOT TO SCALE"



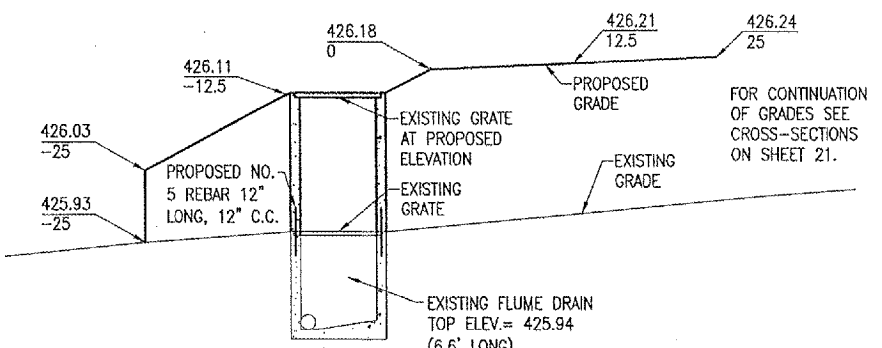
FLUME DETAIL
"NOT TO SCALE"



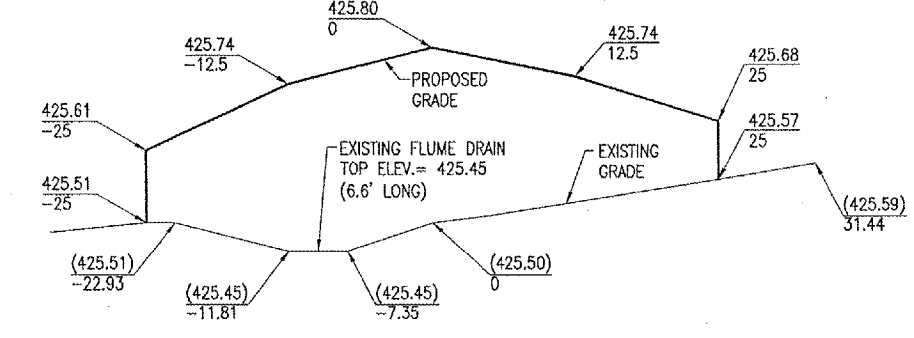
PROPOSED FLUME DRAIN STA. 4+25 (TOP VIEW)
"NOT TO SCALE"



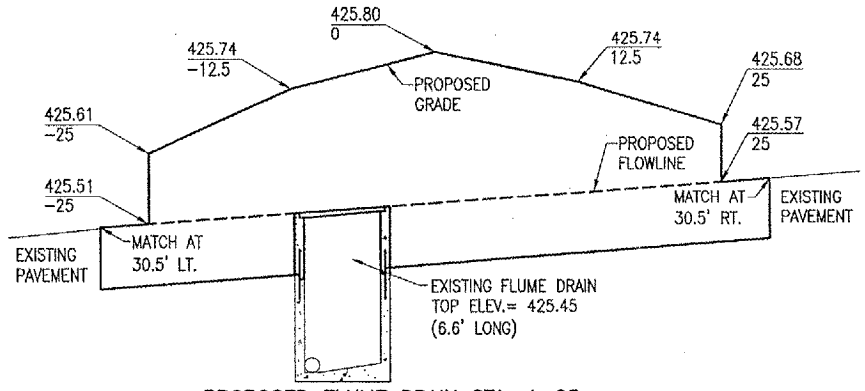
EXISTING FLUME DRAIN STA. 2+00
"NOT TO SCALE"



PROPOSED FLUME DRAIN STA. 2+00
"NOT TO SCALE"

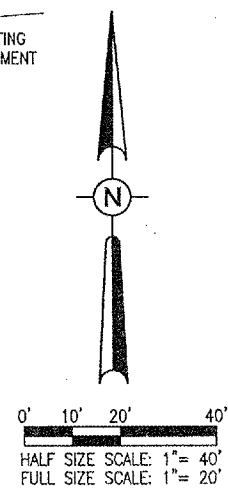


EXISTING FLUME DRAIN STA. 4+25
"NOT TO SCALE"

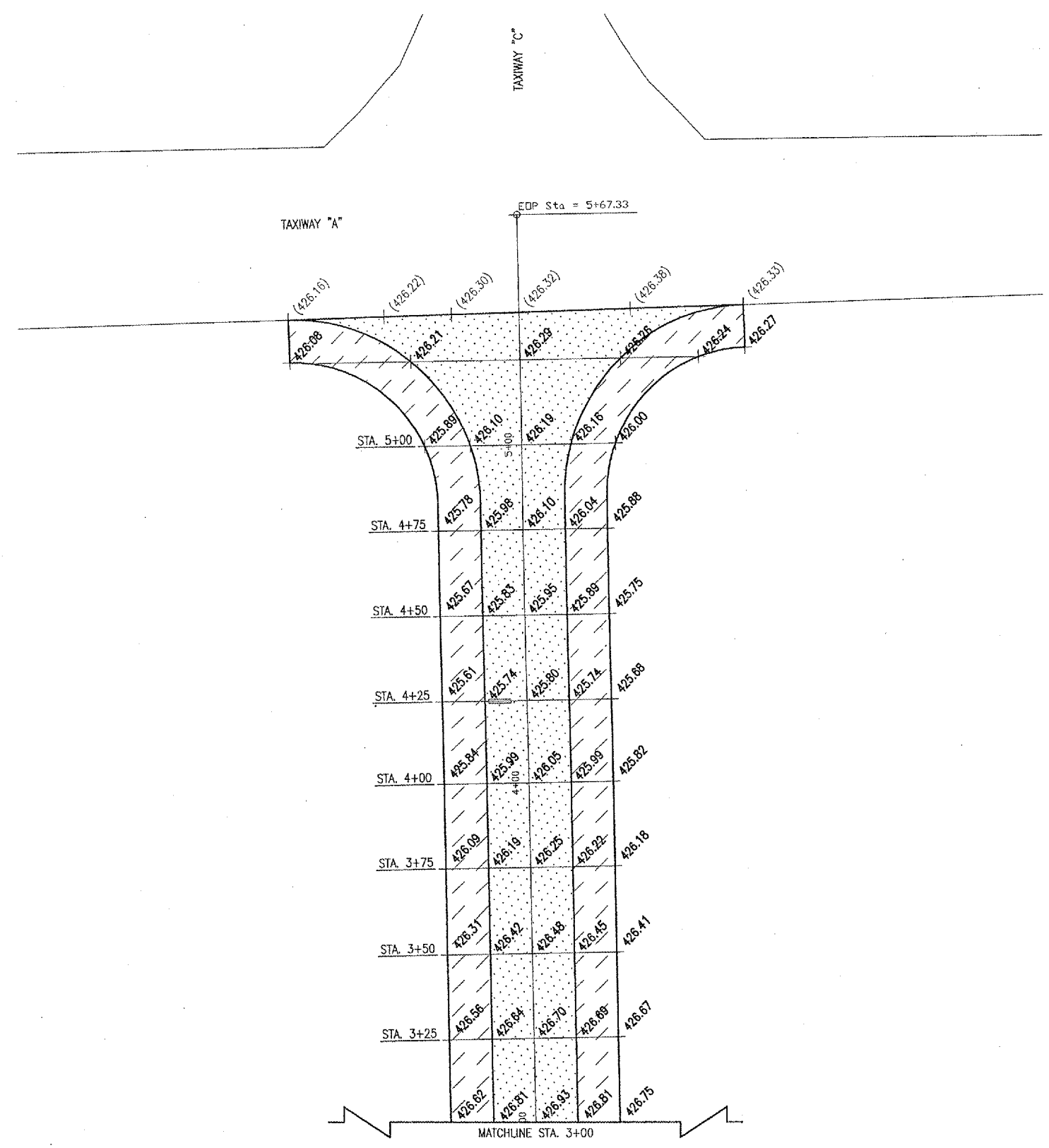


PROPOSED FLUME DRAIN STA. 4+25
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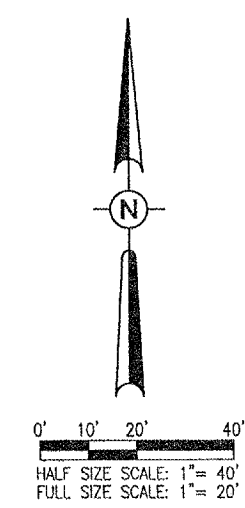
- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED BITUMINOUS OVERLAY (4" AVERAGE)
 - PROPOSED BITUMINOUS TAPER
 - EXISTING FLUME DRAIN (TO BE ADJUSTED)



MAR 29, 2006 10:35 AM CAH
 I:\AIRPORTS\LAURENCE\812-06APN\AIRPORT\SHEETS\R-191STK.DWG - STA. 3+00 TO STA. 5+67.33



- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED IMPROVEMENTS
 - PROPOSED BITUMINOUS TAPER
 - EXISTING GRADE
 - PROPOSED GRADE

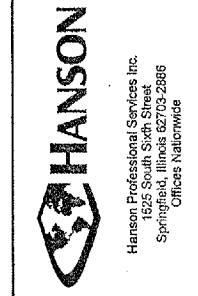


DATE	REVISION	BY

**MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS**

IL PROJ.: LWV-3546 A.I.P. PROJ.: 3-17-0081-812

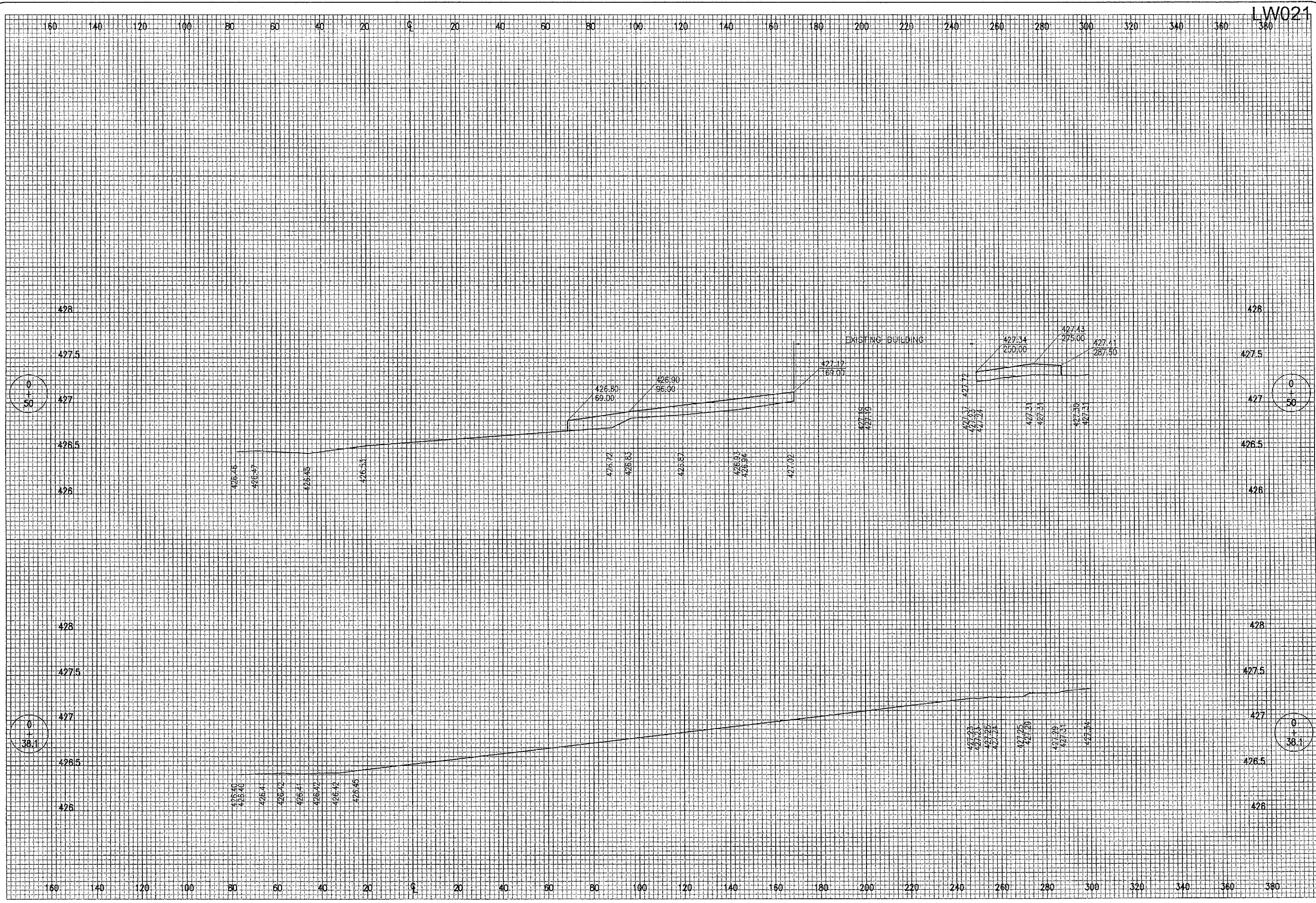
HEL Project No. 812-06APND_0800	FILENAME R-191STK.DWG	SCALE 1" = 20'	DATE 12/12/05
LAYOUT	B.K.B.	12/12/05	
DRAWN	B.A.K.	12/12/05	
REVIEWED	C.A.H.	1/13/06	



**RECONSTRUCTION OF
 TWO APRON AREAS**

PROPOSED
 STAKING PLAN
 STA. 3+00 TO STA. 5+67.33

MAR 29, 2006 10:37 AM CAH
 I:\AIRPORTS\LAURENCE\812-06APN\AIRPORT SHEETS\R-301XS.DWG - STA. 0+36.94 TO STA. 0+50

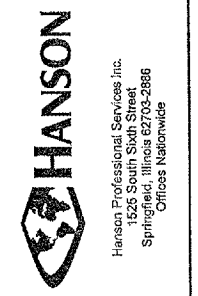


LW021

DATE	REVISION	BY

MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS
 I.L.P. PROJ.: LWV-3546 A.I.P. PROJ.: 3-17-0061-B12

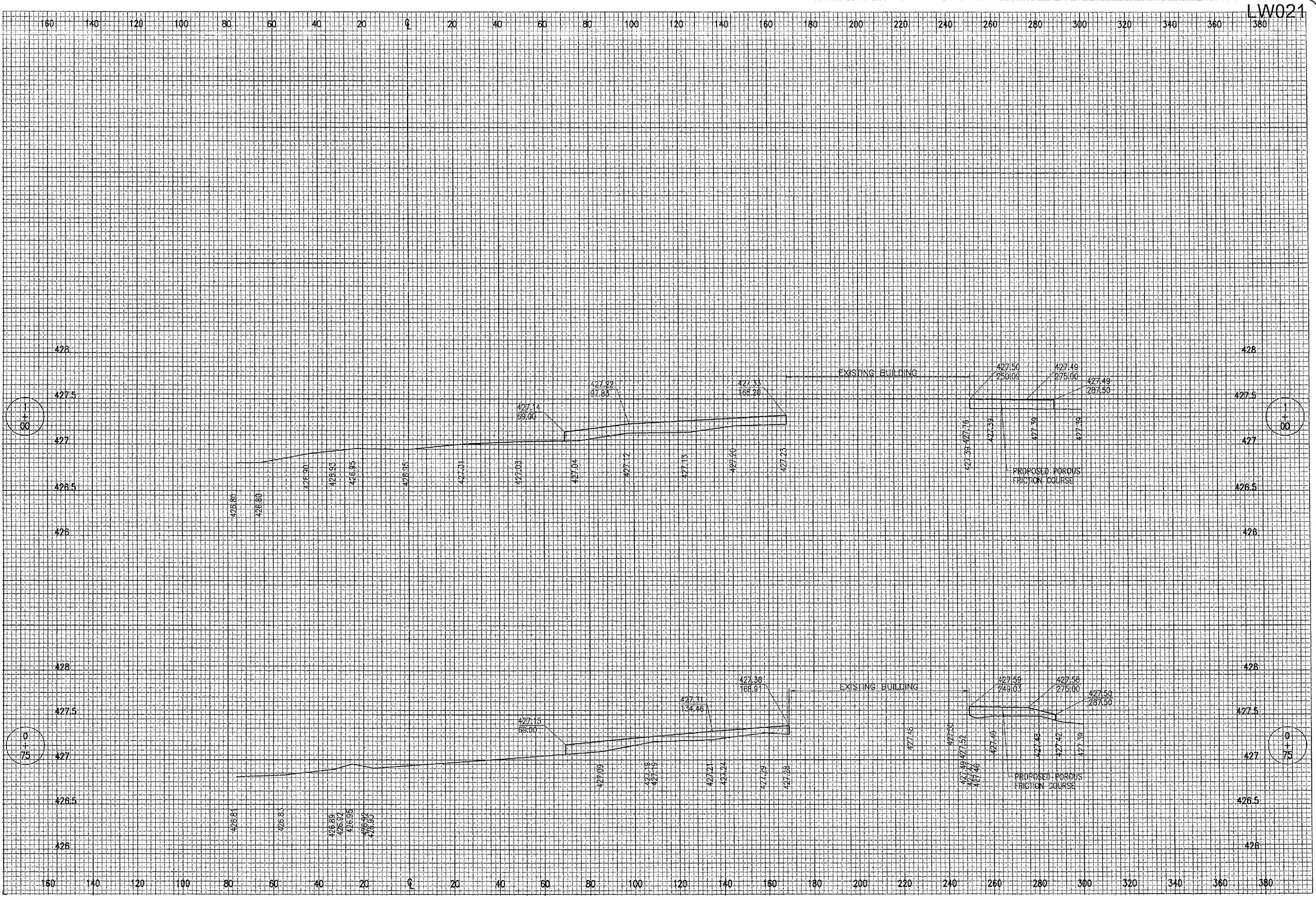
HEI Project No.	812-06APND_0800
Filename	R-301XS.DWG
Scale	H, 1" = 20' V, 1" = 0.5'
Date	01/06/06
LAYOUT	B.K.B. 01/06/06
DRAWN	B.A.K. 01/06/06
REVIEWED	C.A.H. 1/13/06



RECONSTRUCTION OF
 TWO APRON AREAS
 PROPOSED CROSS-SECTIONS
 FOR GLIDER CLUB AREA
 STA. 0+36.94 TO STA. 0+50

MAR 29, 2006 10:37 AM CAH
 I:\AIRPORTS\LAURENCE\B12-06APN\AIRPORT\SHEETS\R-302XS.DWG - STA. 0+75 TO STA. 1+00

LW021

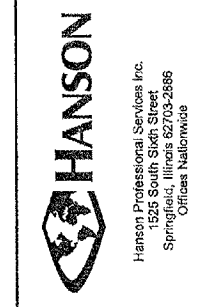


DATE	REVISION	BY

MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS

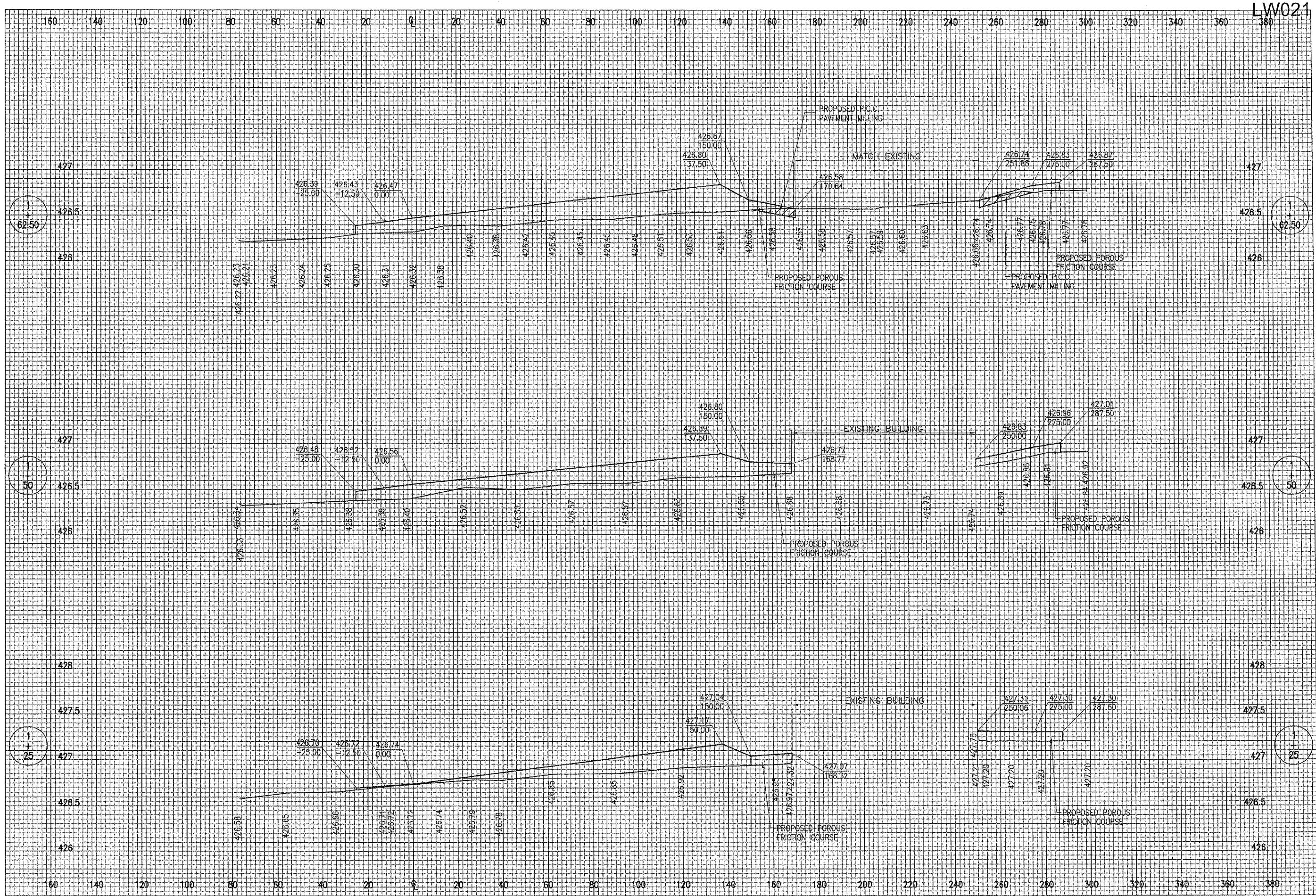
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FILE PROJECT No.	812-06APND 0800
FILENAME	R-302XS.DWG
SCALE	H. 1" = 20' V. 1" = 0.5'
DATE	01/06/06
DRAWN	B.A.K.
REVIEWED	C.A.H.
DATE	01/06/06
DATE	01/06/06
DATE	1/13/06



RECONSTRUCTION OF
 TWO APRON AREAS

PROPOSED CROSS-SECTIONS
 FOR GLIDER CLUB AREA
 STA. 0+75 TO STA. 1+00



LW021

DATE	REVISION	BY

MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS

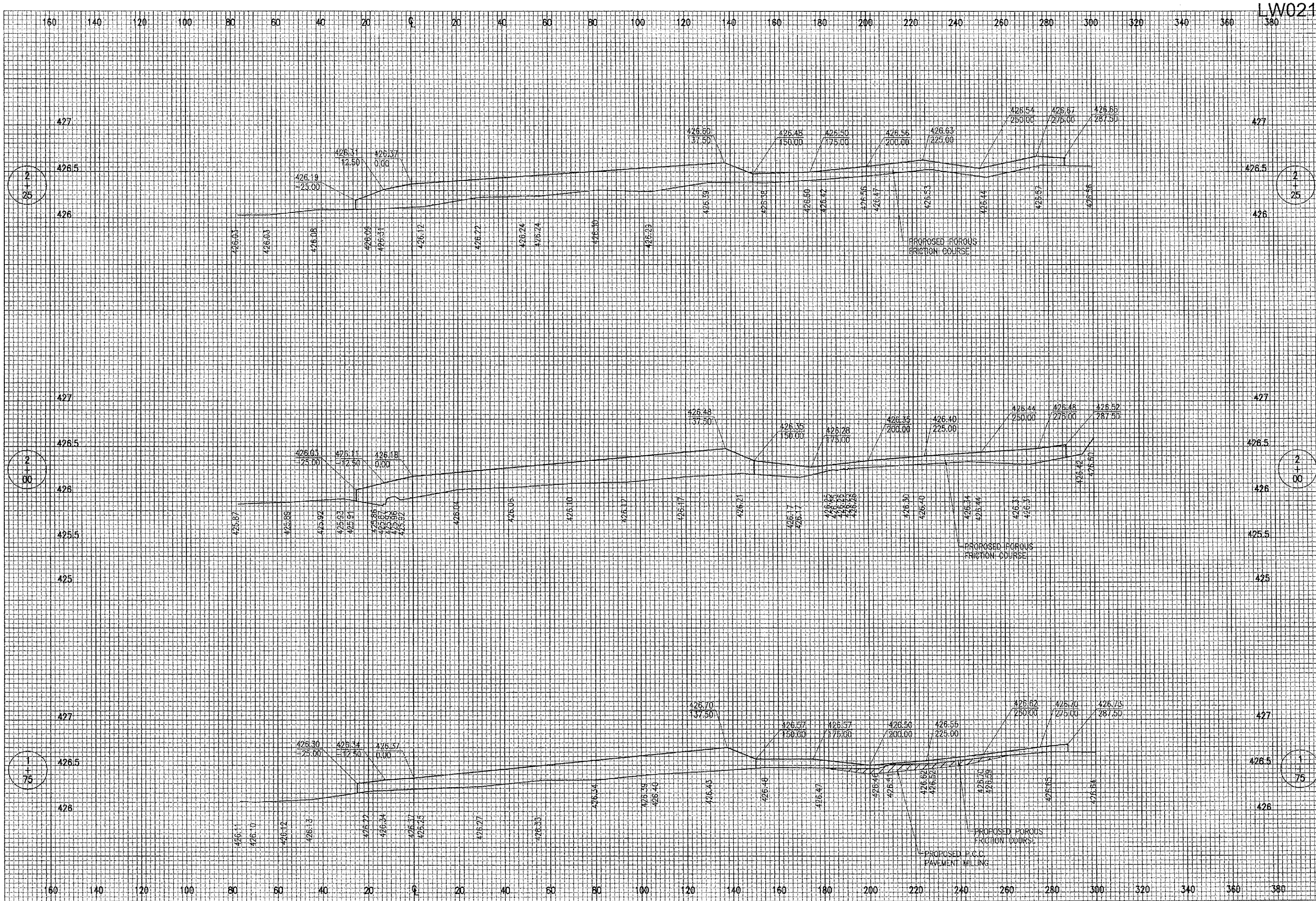
IL PROJ.: LW-3546 A.I.P. PROJ.: 3-17-0061-812

H.E. Project No. 812-06A/PND 0800 Filename R-303XS.DWG Scale H. 1" = 20' V. 1" = 0.5' Date 01/09/06	LAYOUT B.K.B. 01/09/06 DRAWN B.A.K. 01/09/06 REVIEWED C.A.H. 1/13/06
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RECONSTRUCTION OF
 TWO APRON AREAS
 PROPOSED CROSS-SECTIONS
 FOR GLIDER CLUB AREA
 STA. 1+25 TO STA. 1+62.50

MAR 29, 2006 10:38 AM CAH
 I:\AIRPORTS\LAURENCE\B.2-08APN\AIRPORT\SHEETS\R-304XS.DWG - STA. 1+75 TO STA. 2+25



LW021

DATE	REVISION	BY

MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS

IL PROJ.: LW-3546 A.I.P. PROJ.: 3-17-0081-B12

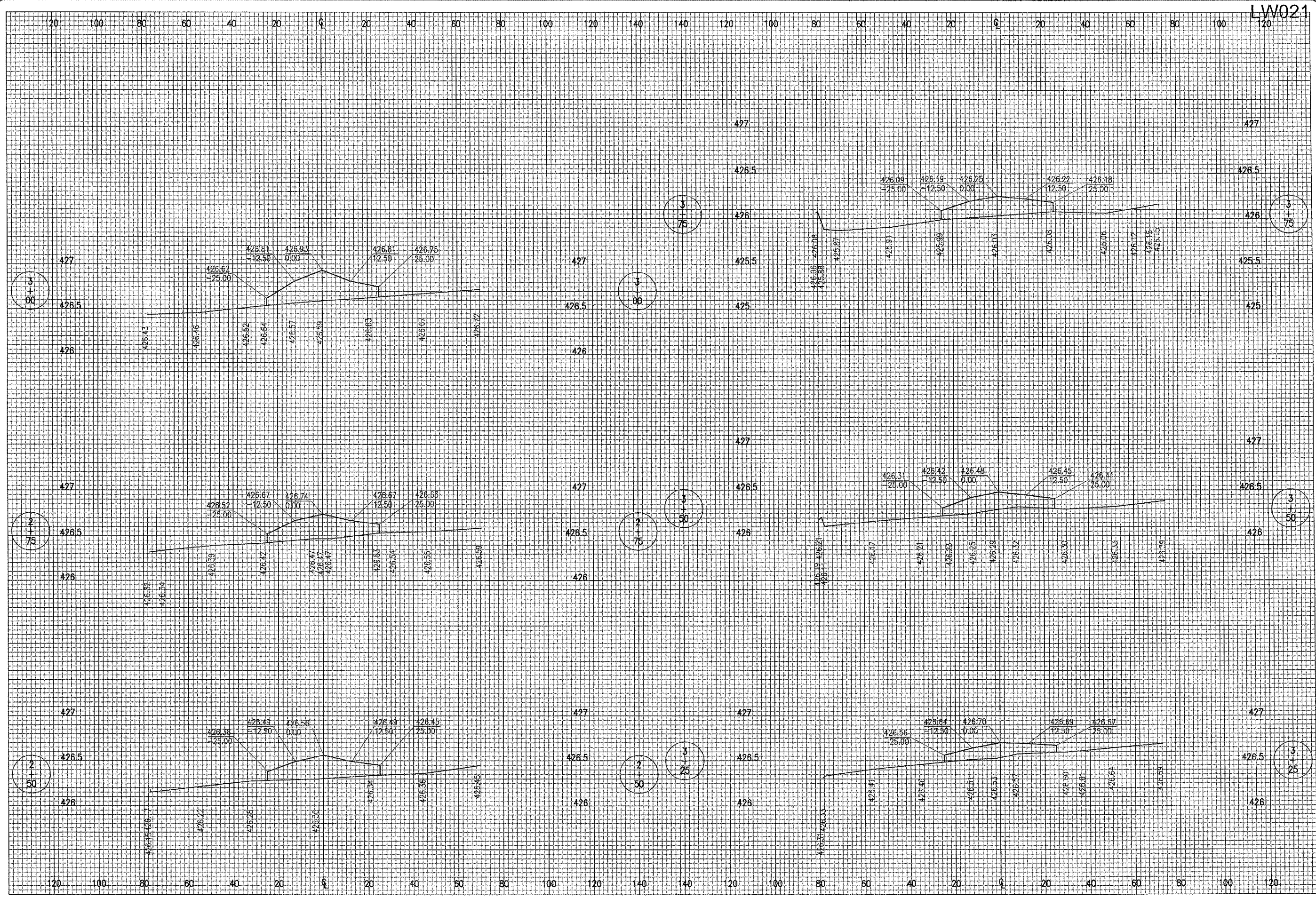
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Date	01/09/06
LAYOUT	B.K.B. 01/09/06
DRAWN	B.A.K. 01/09/06
REVIEWED	C.A.H. 1/13/06



Hanson Professional Services Inc.
 1805 South State Street
 Springfield, Illinois 62706-2886
 Offices Nationwide

RECONSTRUCTION OF
 TWO APRON AREAS
 PROPOSED CROSS-SECTIONS
 FOR GLIDER CLUB AREA
 STA. 1+75 TO STA. 2+25

MAR 29, 2006 10:38 AM CAH
 I:\AIRPORTS\LAWRENCE\812-06APN\AIRPORT\SHEETS\R-305XS.DWG - STA. 2+50 TO STA. 3+75



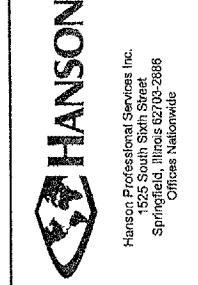
LW021

DATE	REVISION

MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS

IL PROJ.: LW-3546 A.I.P. PROJ.: 3-17-0061-B12

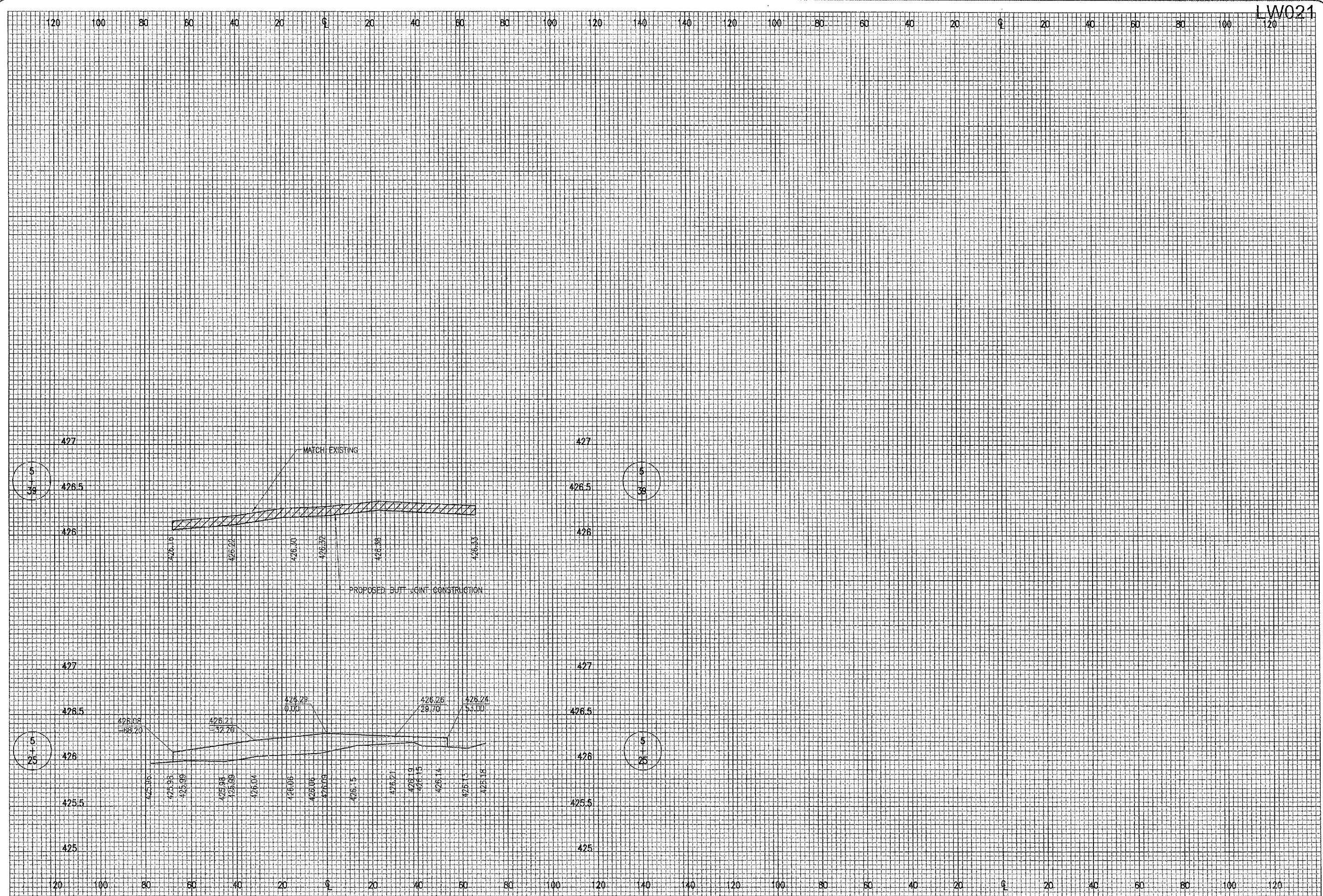
FILE	DATE	BY
812-06APN.DWG	01/09/06	
R-305XS.DWG	01/09/06	
H, 1" = 20' V, 1" = 0.5'		
Date: 01/09/06		



RECONSTRUCTION OF
 TWO APRON AREAS
 PROPOSED CROSS-SECTIONS
 FOR GLIDER CLUB AREA
 STA. 2+50 TO STA. 3+75

MAR 29, 2006 10:39 AM CAH
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LW021

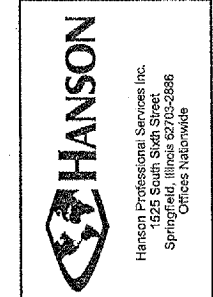


DATE	REVISION	BY

MID-AMERICAN AIR CENTER
 LAWRENCEVILLE-VINCENNES AIRPORT
 LAWRENCEVILLE, ILLINOIS

IL PROJ.: LW-3546 A.I.P. PROJ.: J-17-0061-812

HB Project No. 812-06APND.0600	Filename R-307XS.DWG	Scale H. 1" = 20' V. 1" = 0.5'	Date 01/09/06
LAYOUT	B.K.B.	01/09/06	
DRAWN	B.A.K.	01/09/06	
REVIEWED	C.A.H.	1/13/06	



RECONSTRUCTION OF
 TWO APRON AREAS
 PROPOSED CROSS-SECTIONS
 FOR GLIDER CLUB AREA
 STA. 5+25 TO STA. 5+37