

# CONSTRUCTION PLANS

## FOR

# EDGAR COUNTY AIRPORT

## PARIS, EDGAR COUNTY, ILLINOIS

### REMOVE AND RECONSTRUCT T-HANGAR TAXIWAYS

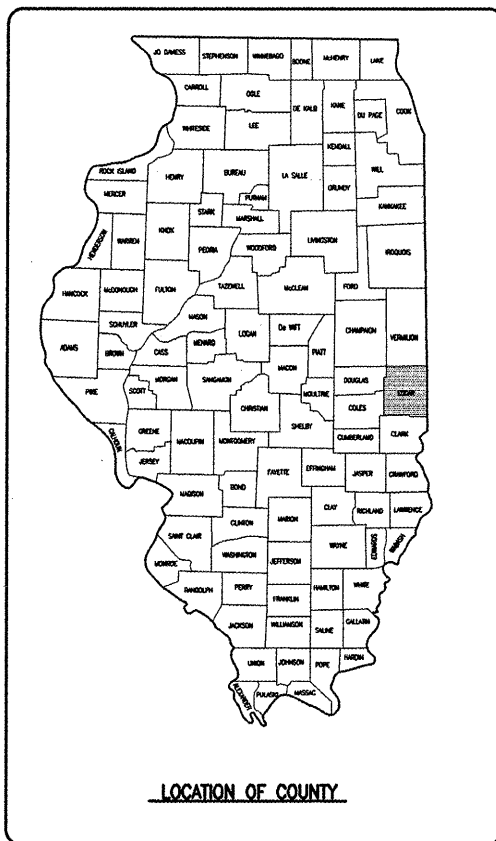
SCOPE OF WORK

THE PROPOSED IMPROVEMENTS INCLUDE: REHABILITATION OF THE PAVED AREAS ADJACENT TO THE EXISTING T-HANGARS. THE REHABILITATION CONSISTS OF THE REMOVAL OF DISINTEGRATED (PCI OF ZERO) BITUMINOUS PAVEMENTS AND RECONSTRUCTING THEM IN ACCORDANCE WITH THE CONSTRUCTION PLANS. ASSOCIATED WORK INCLUDES EARTHWORK, DRAINAGE IMPROVEMENTS, AND INCIDENTALS.

BASE BID: INCLUDES PAVEMENT REMOVAL, SOIL STABILIZATION FABRIC, DRAINAGE IMPROVEMENTS, EROSION CONTROL, TIEDOWN INSTALLATION, MARKING, SEEDING AND INCIDENTALS.

ALTERNATE BID A - PAVEMENT STRUCTURE SHALL CONSIST OF PORTLAND CEMENT CONCRETE (6" DEPTH) SURFACE ON A 4" CRUSHED AGGREGATE SUB-BASE.

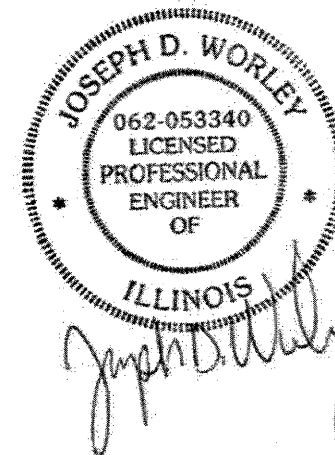
ALTERNATE BID B - PAVEMENT STRUCTURE SHALL CONSIST OF 4" BITUMINOUS (SURFACE AND BASE COURSES) ON AN 8" CRUSHED AGGREGATE SUB-BASE.



EDGAR COUNTY AIRPORT

LOCATION MAP

ILL. PROJ.: PRG-3889  
A.I.P. PROJ.: 3-17-0077-B11  
LATITUDE: 39° 42.01'  
LONGITUDE: 87° 40.24'  
ELEVATION: 654' M.S.L.  
DATE: APRIL 17, 2009



FOR BID



Submitted by: Joseph D. Worley, P.E. Engineer  
Date Submitted: March 20, 2009  
Lic. Exp. Date: JULY 31, 2010

EDGAR COUNTY BOARD

Approved: Jan Kelle CHAIRMAN  
Date: 3-23-09

REVISION		DATE	
EDGAR COUNTY AIRPORT PARIS, ILLINOIS			
IL PROJ.: PRG-3889	A.I.P. PROJ.: 3-17-0077-B11		
HEI Project No. 0840209 0800	File Name R-001CVR.DWG	LAYOUT	DAK 02/23/09
Scale N/A	Date 04/17/09	DRAWN	MLH 02/24/09
		REVIEWED	JDW 03/18/09
		REMOVE AND RECONSTRUCT T-HANGAR TAXIWAYS  COVER SHEET	
1		1 of 18 sheets	

REVISION	DATE	BY

**SUMMARY OF QUANTITIES - BASE BID**

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150530	TRAFFIC MAINTENANCE	L.S.	1	
AR150540	HAUL ROUTE	L.S.	1	
AR152540	SOIL STABILIZATION FABRIC	S.Y.	7,094	
AR156510	SILT FENCE	L.F.	1,148	
AR156531	EROSION CONTROL BLANKET	S.Y.	984	
AR201900	REMOVE BITUMINOUS PAVEMENT	S.Y.	5,027	
AR501900	REMOVE PCC PAVEMENT	S.Y.	170	
AR510510	TIE DOWN	EACH	9	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	137	
AR620525	PAVEMENT MARKING-BLACK BORDER	S.F.	125	
AR701215	15" CMP	L.F.	153	
AR701515	15" RCP, CLASS IV	L.F.	107	
AR751051	SLOTTED DRAIN	L.F.	200	
AR751600	CATCH BASIN	EACH	1	
AR752415	PRECAST REINFORCED CONC. FES 15"	EACH	1	
AR901510	SEEDING	ACRE	1	
AR908510	MULCHING	ACRE	1	

**SUMMARY OF QUANTITIES - ALTERNATE BID A**

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AS152410	UNCLASSIFIED EXCAVATION	C.Y.	1,774	
AS209510	CRUSHED AGGREGATE BASE COURSE	TON	1,632	
AS501506	6" PCC PAVEMENT	S.Y.	7,026	
AS501530	PCC TEST BATCH	EACH	1	

**SUMMARY OF QUANTITIES - ALTERNATE BID B**

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AT152410	UNCLASSIFIED EXCAVATION	C.Y.	2,191	
AT201610	BITUMINOUS BASE COURSE	TON	1,058	
AT209510	CRUSHED AGGREGATE BASE COURSE	TON	3,235	
AT401610	BITUMINOUS SURFACE COURSE	TON	632	
AT401655	BUTT JOINT CONSTRUCTION	S.Y.	100	
AT602510	BITUMINOUS PRIME COAT	GAL.	2,469	
AT603510	BITUMINOUS TACK COAT	GAL.	351	

**INDEX TO SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	EXISTING SITE PLAN
5	PROPOSED PAVEMENT PREPARATION PLAN
6	PROPOSED CONSTRUCTION PLAN
7	PROPOSED TYPICAL SECTIONS
8	PROPOSED CONCRETE REMOVAL DETAILS AND NOTES
9	PROPOSED PLAN AND PROFILE - WEST ALIGNMENT
10	PROPOSED PLAN AND PROFILE - CENTER ALIGNMENT
11	PROPOSED PLAN AND PROFILE - EAST ALIGNMENT
12	PROPOSED PAVEMENT MARKING AND AIRCRAFT TIEDOWN PLAN
13	PROPOSED PAVEMENT JOINTING PLAN (ALTERNATE BID A)
14	PROPOSED JOINT CONSTRUCTION AND SEALING DETAILS
15	PROPOSED STORMWATER POLLUTION PREVENTION PLAN
16	PROPOSED CROSS SECTIONS - WEST ALIGNMENT STA. 10+00 TO STA. 13+99
17	PROPOSED CROSS SECTIONS - CENTER ALIGNMENT STA. 10+00 TO STA. 13+99
18	PROPOSED CROSS SECTIONS - EAST ALIGNMENT STA. 10+00 TO STA. 13+70

EDGAR COUNTY AIRPORT  
PARIS, ILLINOIS  
A.L.P. PROJ.: 3-17-0077-811  
L. PROJ.: PRC-3889

HEI Project No. 0840209\_0800  
Element R-002FLP.DWG  
Scale N/A  
Date 04/17/09  
LAYOUT MLH 02/24/09  
DRAWN MLH 02/24/09  
REVIEWED JDW 03/18/09



REMOVE AND RECONSTRUCT  
T-HANGAR TAXIWAYS  
SUMMARY OF QUANTITIES  
AND  
INDEX TO SHEETS

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**SCOPE OF WORK**

THE PROPOSED IMPROVEMENTS INCLUDE: REHABILITATION OF THE PAVED AREAS ADJACENT TO THE EXISTING T-HANGARS. THE REHABILITATION CONSISTS OF THE REMOVAL OF DISINTEGRATED (PCI OF ZERO) BITUMINOUS PAVEMENTS AND RECONSTRUCTING THEM IN ACCORDANCE WITH THE CONSTRUCTION PLANS. ASSOCIATED WORK INCLUDES EARTHWORK, DRAINAGE IMPROVEMENTS, AND INCIDENTALS.

BASE BID: INCLUDES PAVEMENT REMOVAL, SOIL STABILIZATION FABRIC, DRAINAGE IMPROVEMENTS, EROSION CONTROL, TIEDOWN INSTALLATION, MARKING, SEEDING AND INCIDENTALS.

ALTERNATE BID A - PAVEMENT STRUCTURE SHALL CONSIST OF PORTLAND CEMENT CONCRETE (6" DEPTH) SURFACE ON A 4" CRUSHED AGGREGATE SUB-BASE.

ALTERNATE BID B - PAVEMENT STRUCTURE SHALL CONSIST OF 4" BITUMINOUS (SURFACE AND BASE COURSES) ON AN 8" CRUSHED AGGREGATE SUB-BASE.

**PROPOSED SAFETY PLAN**

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

GENERAL - THE EDGAR COUNTY AIRPORT IS A SINGLE RUNWAY GENERAL AVIATION FACILITY WITH 13 BASED AIRCRAFT. THE PROPOSED CONSTRUCTION WILL NOT REQUIRE CLOSURE OF THE RUNWAY OR MAIN TAXIWAYS ACCESSING THE RUNWAY.

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

RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (123.00 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE EDGAR COUNTY AIR TRAFFIC AND ENABLE THEM TO BE IMMEDIATELY CONTACTED IN CASE OF AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

**HAUL ROUTE, CONTRACTOR ACCESS, AND EQUIPMENT PARKING AREA**

THE CONTRACTOR'S ACCESS TO THE PROPOSED PROJECT SHALL BE THE AIRPORT'S ENTRANCE ROAD. THE ROADWAY WAS CONSTRUCTED APPROXIMATELY 30 YEARS AGO OF FULL DEPTH BITUMINOUS MATERIAL (6-8 INCHES) ON COMPACTED SUBGRADE. ANY DAMAGE TO THE EXISTING PAVEMENT CAUSED BY THE CONTRACTOR'S HAULING OF EQUIPMENT AND MATERIALS SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR MAY ELECT TO AVOID POTENTIAL DAMAGE TO THE ROADWAY BY UTILIZING THE ROADWAY SHOULDER FOR ACCESS. THE SHOULDER GRADES AND WIDTH ARE SUFFICIENT TO ACCOMMODATE SUCH TRAFFIC. IF THIS OPTION IS SELECTED, THE CONTRACTOR WILL BE REQUIRED TO REGRADE, SEED, AND FERTILIZE THE SHOULDER AT THE CONCLUSION OF THE PROJECT AS NECESSARY TO RETURN IT TO ITS ORIGINAL CONDITION.

THE PROPOSED EQUIPMENT PARKING (AND MATERIAL STORAGE) AREA IS SHOWN ON THIS SHEET. AT THE CONCLUSION OF THE PROJECT, THE CONTRACTOR IS REQUIRED TO GRADE, SEED, AND FERTILIZE THE AREA AS NECESSARY TO RETURN IT TO ITS ORIGINAL CONDITION.

CONTRACTOR EMPLOYEES SHALL PARK THEIR PERSONAL VEHICLES ON THE EXISTING AIRPORT PARKING LOT AS NOTED ON THIS SHEET.

ALL REPAIR TO HAUL ROUTES, CONTRACTOR ACCESS, EQUIPMENT PARKING AREAS, AND AREAS DAMAGED BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL PERTINENT PERMITS AND APPROVAL TO USE THE STATE, LOCAL, AND TOWNSHIP ROADS IN ACCORDANCE WITH SECTION 50-04 OF THE SUPPLEMENTAL SPECIFICATIONS.

**CONTRACTOR RESPONSIBILITIES**

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

ALL WORK PERFORMED SHALL BE DONE IN AN ORDERLY AND EFFICIENT MANNER TO MINIMIZE RUNWAY CLOSURE.

NO TRENCHES OR HOLES WILL REMAIN OPEN OVERNIGHT UNLESS APPROVED BY THE RESIDENT ENGINEER.

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.

**BARRICADES AND TRAFFIC CONTROL**

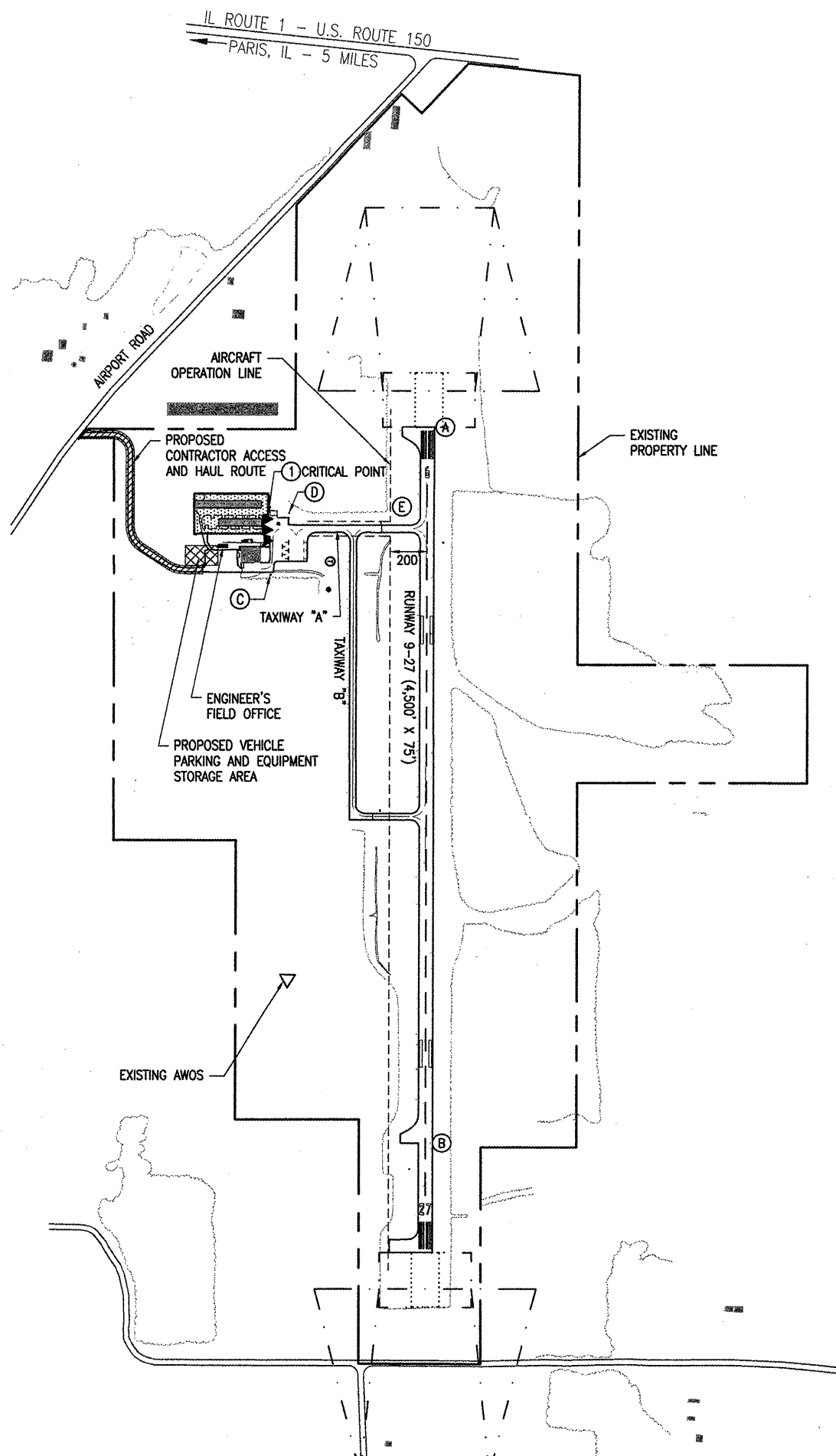
IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS DIRECTED BY THE AIRPORT MANAGER. THE BARRICADES WILL BE EQUIPPED WITH RED FLASHING OR RED STEADY BURN LIGHTS AND 20" SQUARE ORANGE FLAGS. THE BARRICADES, THEIR MAINTENANCE, PLACEMENT, AND REMOVAL WILL BE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

**HEIGHT OF CONSTRUCTION EQUIPMENT**

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT IS 25 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A SEMI TRUCK WITH TRAILER IN THE UP POSITION.

**ENGINEER'S FIELD OFFICE**

THE ENGINEER'S FIELD OFFICE WILL BE LOCATED AS SHOWN ON THIS SAFETY PLAN.



**EROSION CONTROL**

THIS PROJECT WILL DISTURB MORE THAN 1 ACRE OF LAND, THEREFORE AN N.P.D.E.S. PERMIT WILL BE REQUIRED AND EROSION CONTROL MEASURES IMPLEMENTED, AS SHOWN ON THE INCLUDED STORMWATER POLLUTION PREVENTION PLAN.

**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 IS REQUIRED TO CALL J.U.L.I.E. (1-800-892-0123) TO ACCOMPLISH THIS REQUIREMENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY ALL UNDERGROUND NON-JULIE UTILITIES LOCATED WITHIN THE PROPOSED CONSTRUCTION LIMITS. THESE SHALL BE LOCATED AT THE CONTRACTOR'S OWN EXPENSE PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

**AIRCRAFT SECURITY NOTE**

AIRCRAFT SECURITY WILL BE MAINTAINED AT ALL TIMES.

**AIRCRAFT OPERATION LINE**

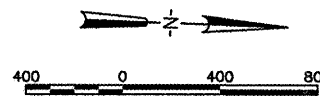
THE CONTRACTOR WILL LOCATE THIS LINE AT THE START OF CONSTRUCTION AND WILL PLACE FLAGGED LATH EVERY 150' ALONG IT. THIS LINE WILL BE THE LIMITS THAT ALL CONTRACTOR PERSONNEL MAY VENTURE WHEN A RUNWAY IS NOT CLOSED. THE CONTRACTOR WILL MAINTAIN THE LATH LINE FOR RUNWAYS. THE LATH SHALL BE REMOVED AT THE CONCLUSION OF THE PROJECT.

CONTROL POINTS				
POINT	DESCRIPTION	NORTHING	EASTING	ELEV.
A	NGS CONTROL MONUMENT PARPORT	1105390.486	1168748.880	651.44
B	NGS CONTROL MONUMENT PARPORT AZ MK	1105528.283	1172645.024	648.29
C	IRON PIN	1104477.672	1169588.104	655.96
D	IRON PIN	1104563.374	1169246.079	655.22
E	IRON PIN	1105172.684	1169187.924	650.99

CRITICAL AIRCRAFT DATA	
AIRCRAFT DESIGN GROUP	B
AIRCRAFT APPROACH CATEGORY	II

**LEGEND**

- EXISTING PAVEMENT
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED PARKING/STORAGE AREA
- PROPOSED CONTRACTOR ACCESS AND HAUL ROUTE
- PROPOSED HORIZONTAL/VERTICAL CONTROL POINTS
- EXISTING WIND TEE
- EXISTING PROPERTY LINE
- EXISTING CROP LINE
- AIRCRAFT OPERATION LINE  
200'-FT OFF RWY & 40'-FT OFF TXY &
- BARRICADES



HALF SIZE SCALE: 1" = 800'  
FULL SIZE SCALE: 1" = 400'

**CRITICAL POINT DATA**

- ① CORNER OF PROPOSED TAXIWAY  
LATITUDE - 39° 41' 51.55" N  
LONGITUDE - 87° 40' 33.01" W  
ELEVATION - 656.96 M.S.L.

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

COUNTY \_\_\_\_\_ EDGAR  
CITY \_\_\_\_\_ PARIS  
TOWNSHIP \_\_\_\_\_ EDGAR  
SECTION NO. \_\_\_\_\_ 5 AND 6  
ADDRESS \_\_\_\_\_ EDGAR COUNTY AIRPORT  
15551 AIRPORT ROAD  
PARIS, ILLINOIS 61944

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

EDGAR COUNTY AIRPORT  
PARIS, ILLINOIS  
A.I.P. PROJ.: 3-17-0077-811  
L. PROJ.: PRG-3889

DATE	BY	REVISION
02/24/09	MLH	LAYOUT
02/24/09	MLH	DRAWN
03/18/09	JDW	REVIEWED

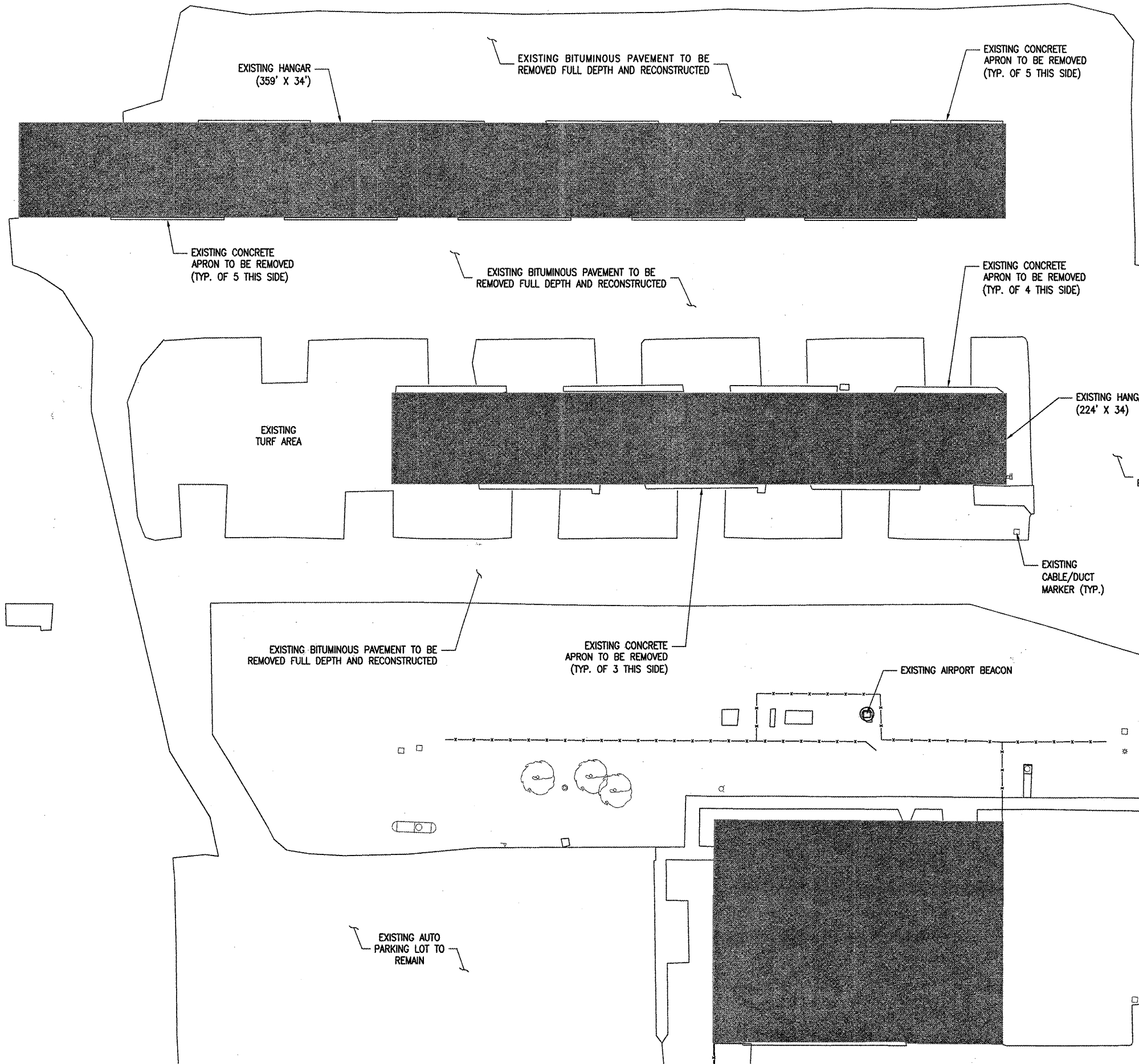
**HANSON**  
Professional Services Inc. 2009  
1525 South Sixth Street  
Springfield, Illinois 62703-2886  
www.hanson-hic.com  
Offices Nationwide

REMOVE AND RECONSTRUCT  
T-HANGAR TAXIWAYS  
PROPOSED SAFETY PLAN

APR 13, 2009 4:43 PM HAR010115  
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CALL J.U.L.I.E. AT 1-800-892-0123 FOR UTILITY INFORMATION.



NOTE

THE EXISTING BITUMINOUS PAVEMENT TO BE REMOVED CONSISTS OF ONLY 1-2 INCHES OF MATERIAL PLACED DIRECTLY ON SUBGRADE. IN MOST AREAS, THE PAVEMENT HAS COMPLETELY BROKEN DOWN TO RUBBLE (PAVEMENT CONDITION INDEX = 0).

THE EXISTING CONCRETE APPROACH APRONS TO BE REMOVED ARE APPROXIMATELY 4 TO 6 INCHES IN DEPTH.

LEGEND

- EXISTING PAVEMENT
EXISTING BUILDINGS
EXISTING FENCE
EXISTING AIRPORT BEACON

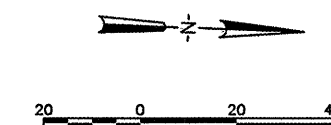


Table with columns for DATE, REVISION, and BY.

EDGAR COUNTY AIRPORT
PARIS, ILLINOIS
A.I.P. PROJ.: 3-17-0077-B11
IL PROJ.: PRO-3889

Table with columns for LAYOUT, DRAWN, REVIEWED, and dates.

HANSON logo and contact information for Hanson Professional Services Inc.

REMOVE AND RECONSTRUCT
T-HANGAR TAXIWAYS
EXISTING SITE PLAN

APR 13, 2009 4:44 PM H4860115
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THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

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

**REMOVE BITUMINOUS PAVEMENT (AR401900)**

THE CONTRACTOR WILL REMOVE THE EXISTING BITUMINOUS MATERIAL TO THE EXISTING EARTH BASE. ALL REMOVED MATERIAL WILL BE DISPOSED OF OFF THE AIRPORT SITE.

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

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

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM AR401900 REMOVE BITUMINOUS PAVEMENT, PER SQUARE YARD.

**REMOVE CONCRETE PAVEMENT (AR501900)**

THE CONTRACTOR SHALL REMOVE THE EXISTING CONCRETE APPROACH APRONS IDENTIFIED ON THIS SHEET IN ACCORDANCE WITH THE DETAILS ON SHEET 8. ALL WORK NECESSARY TO COMPLETE THE REMOVAL, INCLUDING SAWCUTTING AND DISPOSAL OF THE CONCRETE SHALL BE INCLUDED IN THE UNIT PRICE OF THE ITEM.

COORDINATION WITH AIRPORT MANAGEMENT AND TENANTS WILL BE REQUIRED TO PROVIDE THE CONTRACTOR ACCESS INTO THE HANGARS TO COMPLETE THE WORK.

COORDINATION AND PHASING SHALL BE INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY COORDINATION WITH THE AIRPORT.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM AR501900 REMOVE CONCRETE PAVEMENT, PER SQUARE YARD.

**BITUMINOUS PAVEMENT MILLING (ALTERNATE BID B)**

THE AREAS SHOWN ON THIS SHEET TO BE MILLED WILL BE CUT OR TRIMMED TO A DEPTH OF 1.5 INCHES FOR THE PURPOSE OF CONSTRUCTING A BITUMINOUS BUTT JOINT FOR THE BITUMINOUS SURFACE COURSE. THE CUTTING OR TRIMMING WILL BE DONE BY ROTO-MILLING. THE TOLERANCE OF THE MILLING WILL BE AS STATED IN THE STANDARD SPECIFICATIONS.

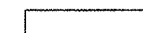
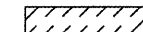

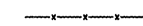
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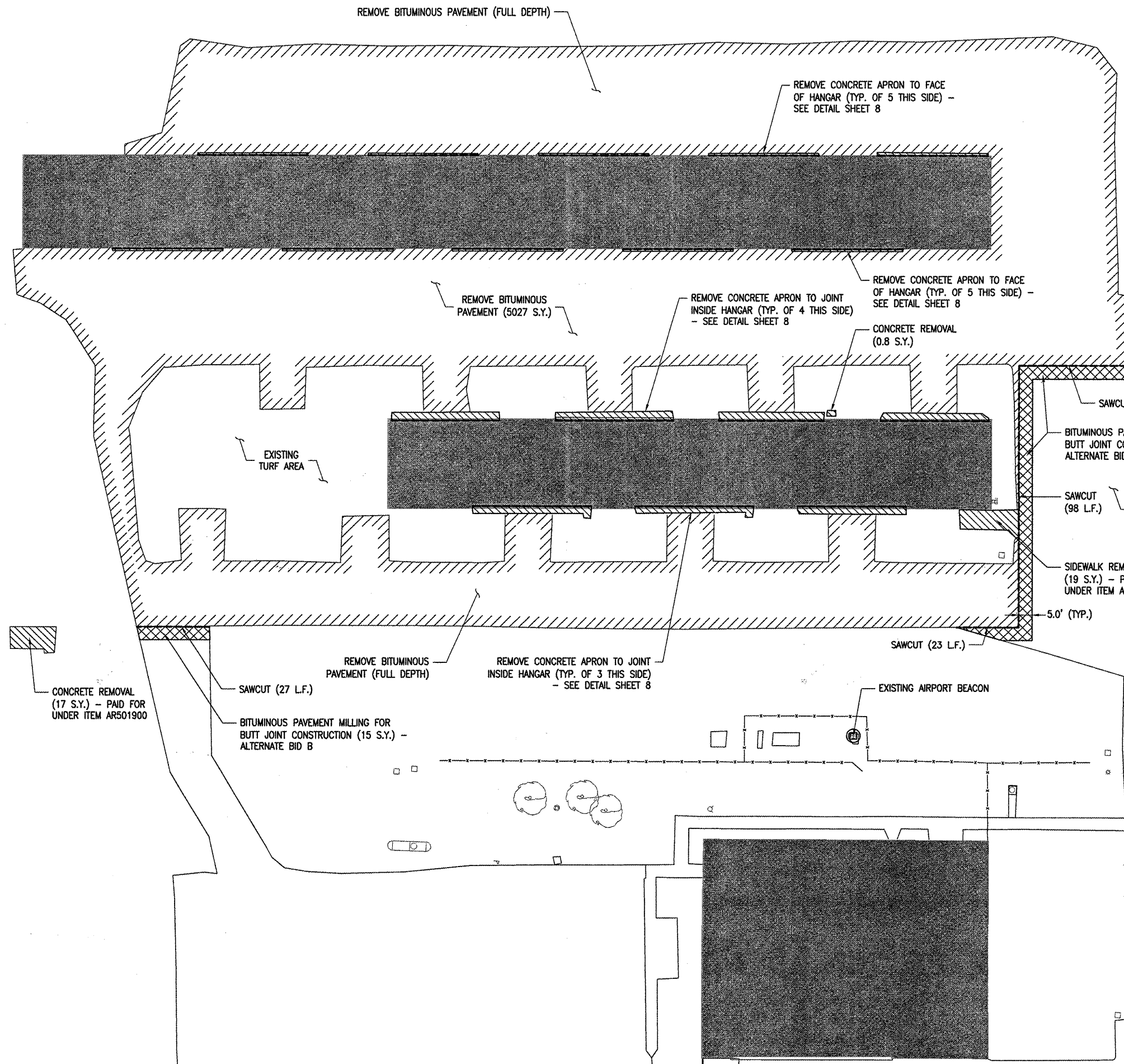
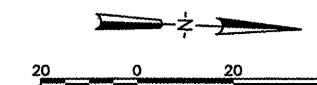
IF A TRUE VERTICAL FACE IS NOT ESTABLISHED ALONG THE BUTT JOINT FROM THE MILLING OPERATIONS, THE CONTRACTOR IS REQUIRED TO SAWCUT THE JOINT. THE SAWING, IF NECESSARY, SHALL BE CONSIDERED INCIDENTAL TO THE BUTT JOINT CONSTRUCTION AND NO ADDITIONAL COMPENSATION ALLOWED.

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

THE PAVEMENT MILLING WILL BE PAID FOR UNDER ITEM AR401655 BUTT JOINT CONSTRUCTION, PER SQUARE YARD.

**LEGEND**

-  EXISTING PAVEMENT
-  PAVEMENT REMOVAL
-  EXISTING BUILDINGS
-  EXISTING FENCE



DATE	REVISION	BY

EDGAR COUNTY AIRPORT  
PARIS, ILLINOIS

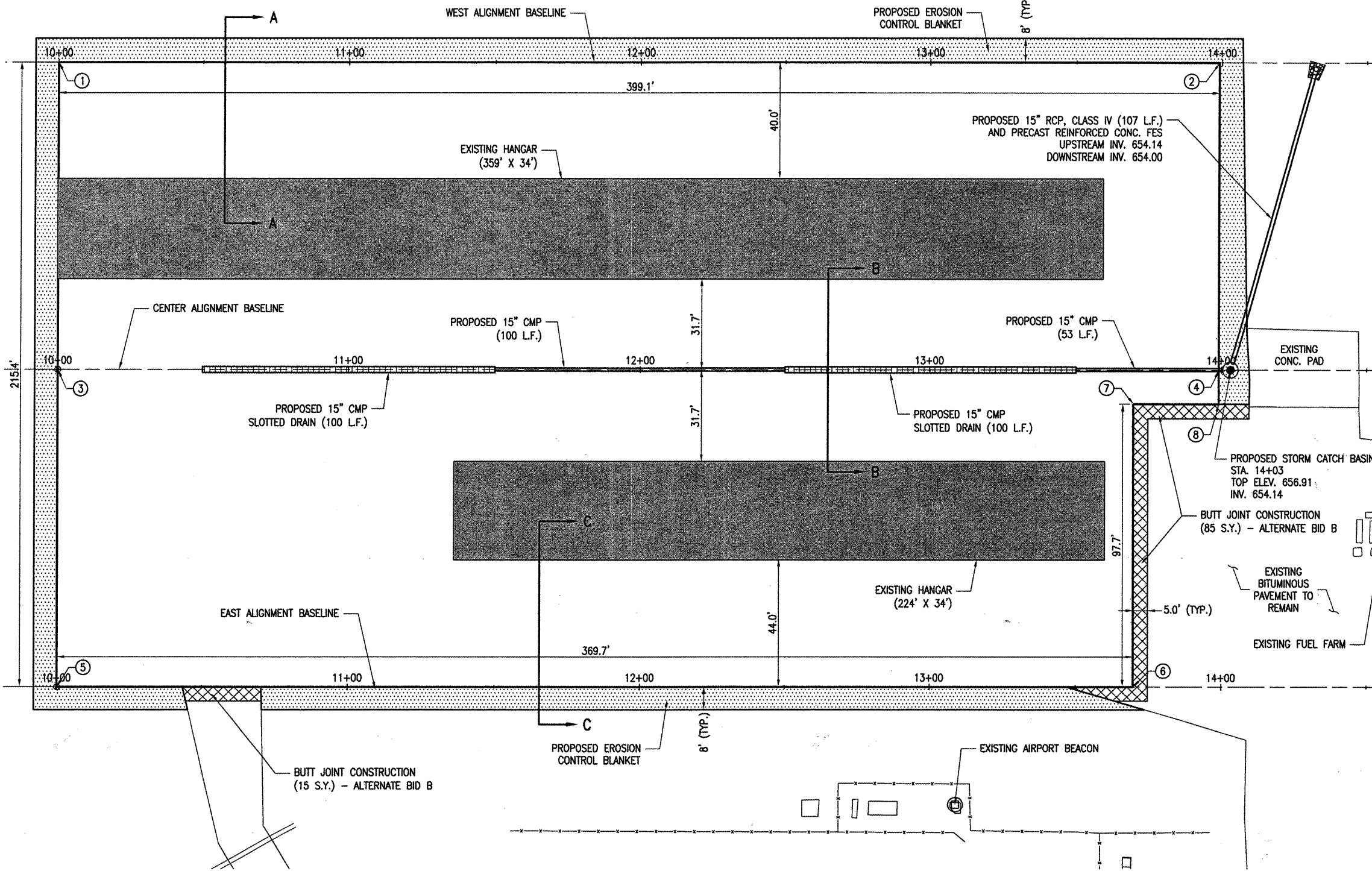
IL PROJ.: PRG-3889 A.I.P. PROJ.: 3-17-0077-B11

HEI Project No. 0840209 0800	03/05/09
Filename: R-111PRP.DWG	03/05/09
Scale: 1"=20'	03/05/09
Date: 04/17/09	03/18/09
LAYOUT	MLH
DRAWN	MLH
REVIEWED	JOW

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REMOVE AND RECONSTRUCT  
T-HANGAR TAXIWAYS

PROPOSED PAVEMENT  
PREPARATION PLAN



**SCOPE OF WORK**

THE PROPOSED IMPROVEMENTS INCLUDE: REHABILITATION OF THE PAVED AREAS ADJACENT TO THE EXISTING T-HANGARS. THE REHABILITATION CONSISTS OF THE REMOVAL OF DISINTEGRATED (PCI OF ZERO) BITUMINOUS PAVEMENTS AND RECONSTRUCTING THEM IN ACCORDANCE WITH THE CONSTRUCTION PLANS. ASSOCIATED WORK INCLUDES EARTHWORK, DRAINAGE IMPROVEMENTS, AND INCIDENTALS.

BASE BID: INCLUDES PAVEMENT REMOVAL, SOIL STABILIZATION FABRIC, DRAINAGE IMPROVEMENTS, EROSION CONTROL, TIEDOWN INSTALLATION, MARKING, SEEDING AND INCIDENTALS.

ALTERNATE BID A - PAVEMENT STRUCTURE SHALL CONSIST OF PORTLAND CEMENT CONCRETE (6" DEPTH) SURFACE ON A 4" CRUSHED AGGREGATE SUB-BASE.

ALTERNATE BID B - PAVEMENT STRUCTURE SHALL CONSIST OF 4" BITUMINOUS (SURFACE AND BASE COURSES) ON AN 8" CRUSHED AGGREGATE SUB-BASE.

**BITUMINOUS MATERIAL**

BITUMINOUS PAVEMENTS SHALL COMPLY WITH THE SPECIAL PROVISIONS FOR AIRCRAFT WEIGHING LESS THAN 60,000 POUNDS.

**EARTHWORK**

FOLLOWING REMOVAL OF THE EXISTING PAVEMENT, THE CONTRACTOR SHALL THEN BE REQUIRED TO EXCAVATE, REWORK AND COMPACT THE SUBGRADE PRIOR TO FILL PLACEMENT OR AGGREGATE BASE PLACEMENT IN ACCORDANCE WITH ITEM 152 OF THE SPECIFICATIONS AND TO THE SATISFACTION OF THE RESIDENT ENGINEER. EXCAVATION, REWORK, AND COMPACTION OF THE EXISTING EARTH SUBGRADE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION ALLOWED.

AREAS FOUND TO BE SOFT OR OTHERWISE UNSUITABLE FOR PLACEMENT OF SPECIFIED MATERIALS AND UNABLE TO REACH COMPACTION REQUIREMENTS SHALL BE UNDERCUT AND BACKFILLED WITH APPROVED MATERIAL TO THE SATISFACTION OF THE RESIDENT ENGINEER.

ONCE THE SUBGRADE IS ACCEPTED BY THE RESIDENT ENGINEER, THE CONTRACTOR SHALL PLACE SOIL STABILIZATION FABRIC AND CONSTRUCT THE PAVEMENT SECTION IN ACCORDANCE WITH THESE CONSTRUCTION PLANS, THE SPECIFICATIONS, AND THE SPECIAL PROVISIONS.

ALL EARTHWORK WILL BE PAID FOR UNDER ITEM AR152410 UNCLASSIFIED EXCAVATION, PER CUBIC YARD.

ALL DISTURBED AREAS OUTSIDE OF PAVEMENT WILL BE SEEDED AND MULCHED.

**CATCH BASIN**

THE PROPOSED CATCH BASIN SHALL BE IDOT TYPE A (STANDARD 602001-01) AND SHALL BE PRECAST REINFORCED CONCRETE. THE PRECAST REINFORCED CONCRETE FLAT SLAB TOP (STANDARD 602601-02) SHALL BE USED IN LIEU OF THE TAPERED TOP. THE CASTING SHALL BE NEENAH R-3492 OR APPROVED EQUAL. THE CATCH BASIN SHALL BE PAID FOR UNDER ITEM AR751600 CATCH BASIN, PER EACH AND SHALL INCLUDE ALL WORK NECESSARY TO COMPLETE THE ITEM.

**EROSION CONTROL BLANKET NOTES**

AN EROSION CONTROL MATERIAL (EXCELSIOR BLANKET) WILL BE INSTALLED AT THE LOCATIONS SHOWN ON THESE CONSTRUCTION PLANS AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM AR156531 EROSION CONTROL BLANKET, PER SQUARE YARD.

NO.	DATE	REVISION

EDGAR COUNTY AIRPORT  
PARIS, ILLINOIS  
A.I.P. PROJ.: 3-17-0077-B11  
IL PROJ.: PRG-3889

ISS. PROJECT NO. 08A0209_0800	03/05/09
FILE NAME R-121CON.DWG	MLH
SCALE 1"=20'	03/06/09
DATE 04/17/09	MLH
LAYOUT	03/18/09
DRAWN	JDW
REVIEWED	

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REMOVE AND RECONSTRUCT  
T-HANGAR TAXIWAYS  
PROPOSED CONSTRUCTION PLAN

NO.	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
①	10+00.00	℄	1104049.0959	1169159.8447	BEGIN WEST ALIGNMENT
②	13+99.09	℄	1104447.9063	1169144.8889	WEST ALIGNMENT/PAVEMENT EDGE
③	10+00.00	℄	1104053.0677	1169265.7553	BEGIN CENTER ALIGNMENT
④	13+99.09	℄	1104451.8780	1169250.7996	CENTER ALIGNMENT/PAVEMENT EDGE
⑤	10+00.00	℄	1104057.1661	1169375.0439	BEGIN EAST ALIGNMENT
⑥	13+69.76	℄	1104426.6694	1169361.1872	EAST ALIGNMENT/PAVEMENT EDGE
⑦	13+69.76	11.62' RT.**	1104423.0064	1169263.5081	PAVEMENT EDGE
⑧	13+99.09	11.62' RT.**	1104452.3134	1169262.4091	PAVEMENT EDGE

\*\*OFFSET REFERENCED FROM CENTER ALIGNMENT

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

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

**BUTT JOINT CONSTRUCTION (ALTERNATE BID B)**

THE PROPOSED BUTT JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ITEM AR401655 BUTT JOINT CONSTRUCTION AS STATED IN THE SUPPLEMENTAL SPECIFICATION AND RECURRING SPECIAL PROVISIONS.

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 PAVEMENT AT THE LOCATIONS AS SHOWN ON THE PLANS.

THE PAVEMENT SURFACE WILL BE MILLED TO ACCOMMODATE A MINIMUM DEPTH OF 1.5 INCHES OF BITUMINOUS SURFACE AT THE BUTT JOINT. ANY ADJACENT PAVEMENT DAMAGED BY THE MILLING OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.

IF A TRUE VERTICAL FACE IS NOT ESTABLISHED ALONG THE BUTT JOINT FROM THE MILLING OPERATIONS, THE CONTRACTOR IS REQUIRED TO SAWCUT THE JOINT. THE SAWING, IF NECESSARY, SHALL BE CONSIDERED INCIDENTAL TO THE BUTT JOINT CONSTRUCTION AND NO ADDITIONAL COMPENSATION ALLOWED.

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

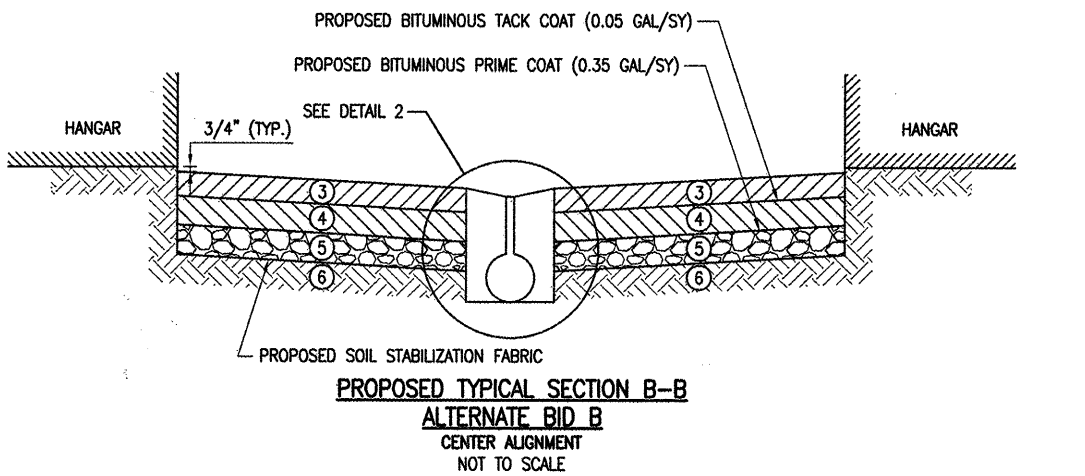
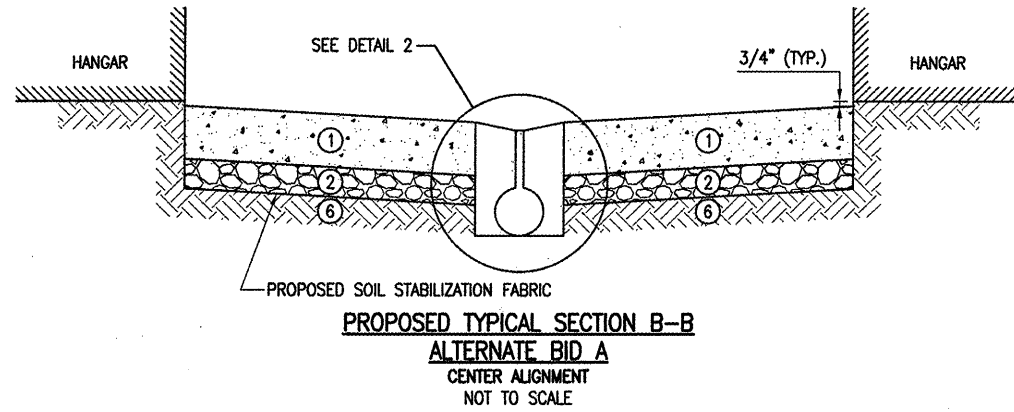
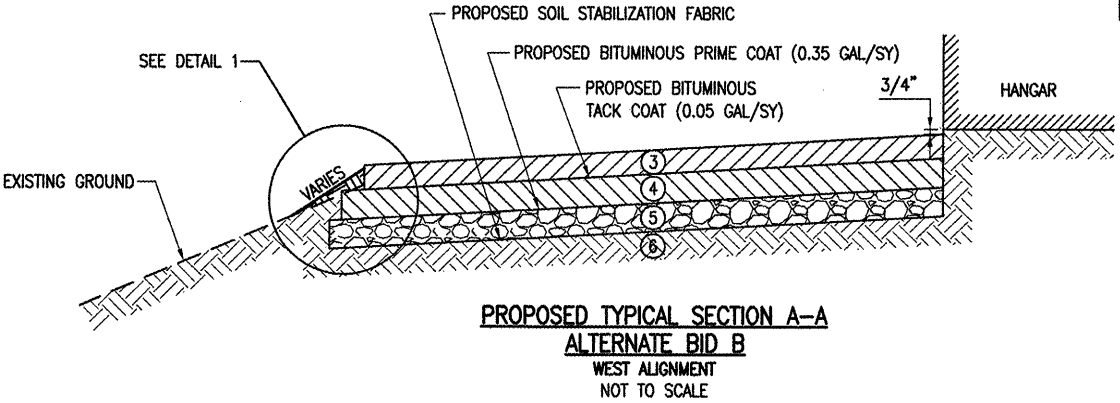
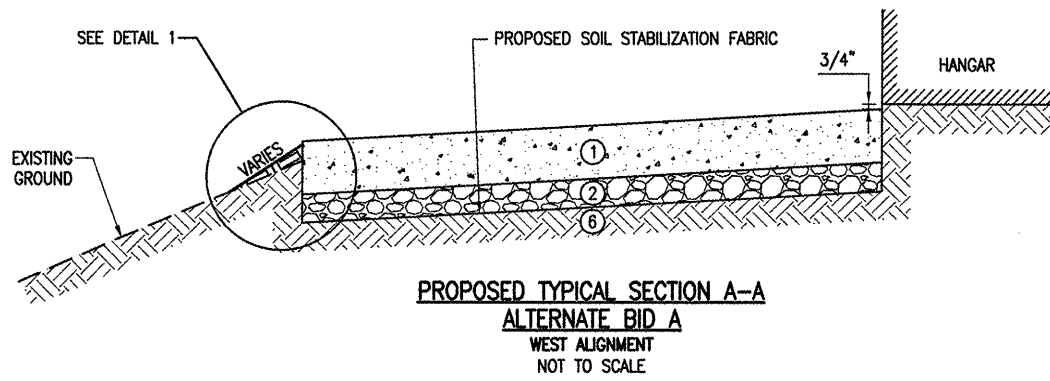
ALL WORK RELATED TO THE CONSTRUCTION OF THE BUTT JOINT WILL BE PAID FOR UNDER ITEM AR401655 BUTT JOINT CONSTRUCTION, PER SQUARE YARD.

**LEGEND**

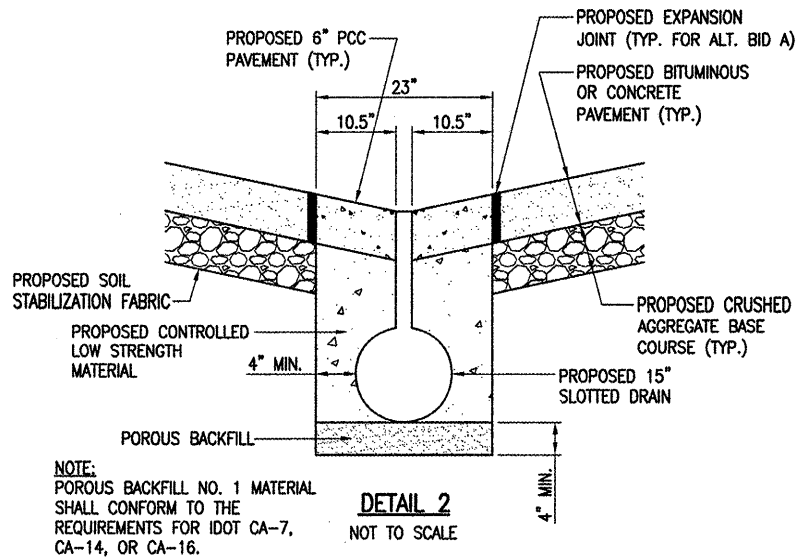
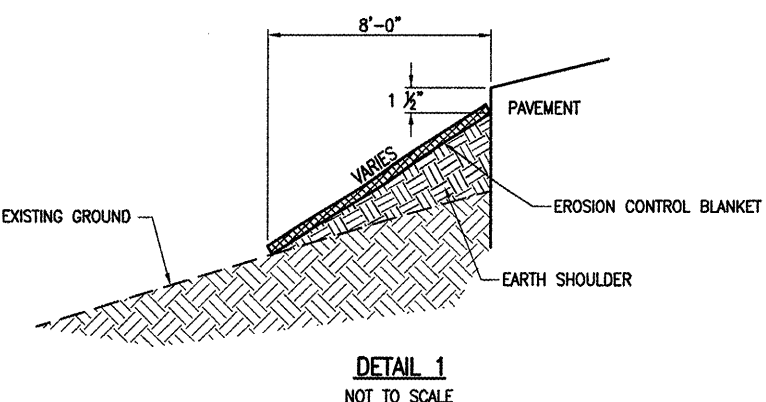
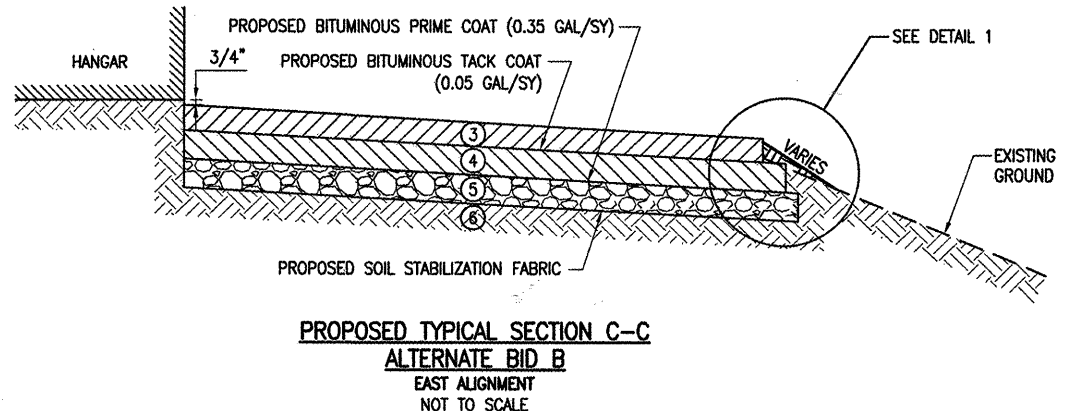
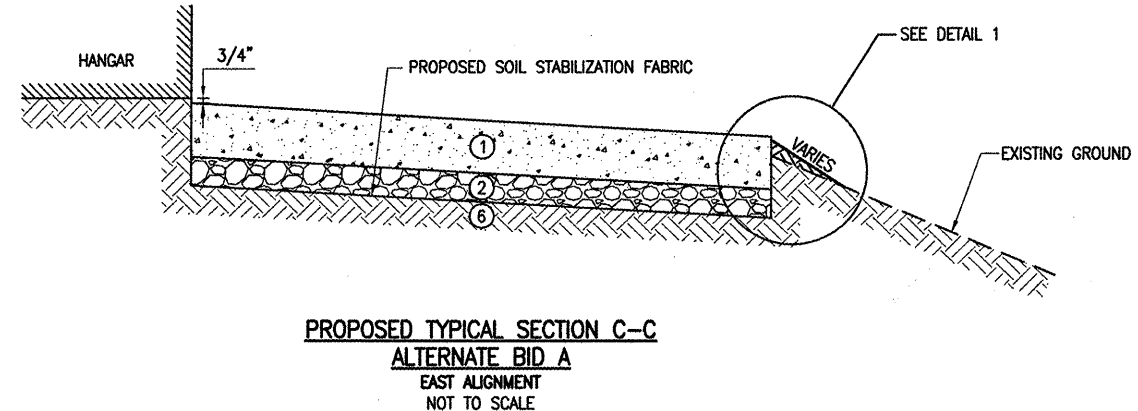
- EXISTING PAVEMENT
- PROPOSED IMPROVEMENTS
- PROPOSED EROSION CONTROL BLANKET
- EXISTING BUILDINGS
- EXISTING FENCE



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- LEGEND - PROPOSED TYPICAL SECTIONS**
- ① PROPOSED AR501: 6" P.C. CONCRETE PAVEMENT
  - ② PROPOSED AR209: AGGREGATE BASE COURSE 4"
  - ③ PROPOSED AR401: BITUMINOUS SURFACE COURSE 1-1/2"
  - ④ PROPOSED AR201: BITUMINOUS BASE COURSE 2-1/2"
  - ⑤ PROPOSED AR209: AGGREGATE BASE COURSE 8"
  - ⑥ SUBGRADE



**GENERAL NOTE**  
 CONTRACTOR WILL BE REQUIRED TO EXCAVATE, REWORK, AND RECOMPACT EARTH SUBGRADE A MINIMUM DEPTH OF 6 INCHES FOLLOWING THE BITUMINOUS PAVEMENT REMOVAL. EXCAVATION, REWORK, AND RECOMPACT SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**SLOTTED DRAIN NOTE**  
 ALL MATERIAL ASSOCIATED WITH THE PROPER INSTALLATION OF THE PROPOSED SLOTTED DRAIN IS TO BE INCLUDED IN THE BID UNIT PRICE. THIS INCLUDES CONCRETE, POROUS BACKFILL, CONTROLLED LOW STRENGTH MATERIAL, AND SLOTTED DRAIN AND PIPE.

**BITUMINOUS PRIME COAT**  
 PRIOR TO THE PLACEMENT OF THE PROPOSED BITUMINOUS BASE COURSE, THE BITUMINOUS PRIME COAT SHALL BE PLACED ON THE PROPOSED AGGREGATE BASE COURSE. AN APPLICATION RATE OF 0.35 GALLONS PER SQUARE YARD WAS USED FOR CALCULATING THE QUANTITY OF PRIME COAT FOR THIS APPLICATION. THE EXACT AMOUNT OF BITUMINOUS PRIME COAT TO BE USED SHALL BE DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM AR602510BITUMINOUS PRIME COAT, PER GALLON.

**BITUMINOUS TACK COAT**  
 THE PROPOSED BITUMINOUS TACK COAT SHALL BE PLACED BETWEEN LIFTS OF PROPOSED BITUMINOUS BASE AND SURFACE COURSES AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS. AN APPLICATION RATE OF 0.05 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 ENGINEER AT THE TIME OF CONSTRUCTION.

THE PROPOSED BITUMINOUS TACK COAT WILL BE PAID FOR UNDER ITEM AR603510 BITUMINOUS TACK COAT, PER GALLON.

DATE	REVISION	BY

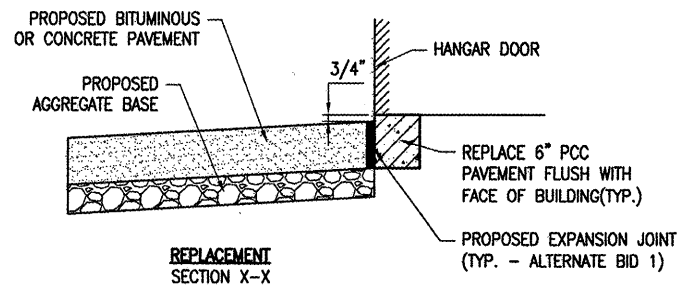
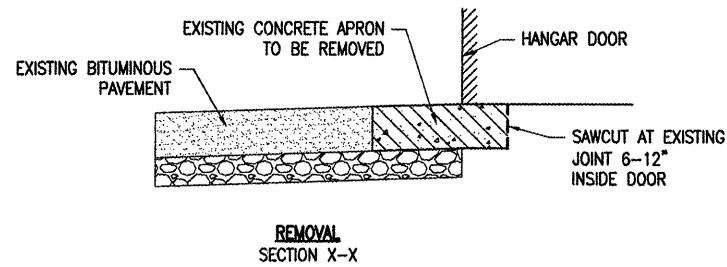
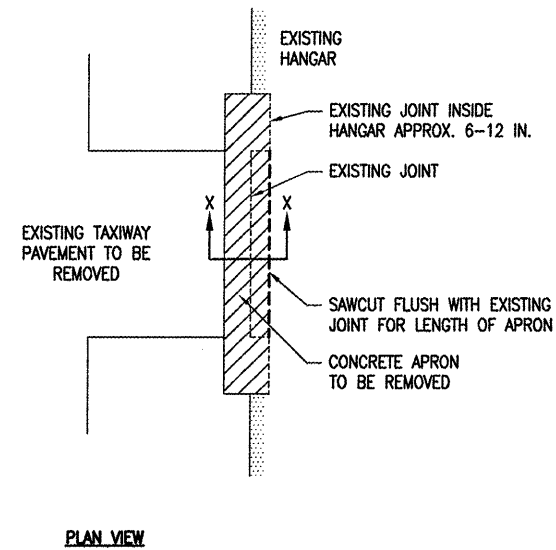
EDGAR COUNTY AIRPORT  
 PARIS, ILLINOIS  
 IL PROJ.: PRG-3889 A.I.P. PROJ.: 3-17-0077-B11

PROJECT No. 08A0209 0800	DATE 03/06/09
ENGINEER R-5011TP.DWG	DATE 03/06/09
SCALE NOT TO SCALE	DATE 03/17/09
LAYOUT	ESC
DRAWN	ESC
REVIEWED	JDW

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REMOVE AND RECONSTRUCT  
 T-HANGAR TAXIWAYS  
 PROPOSED TYPICAL SECTIONS





PROPOSED CONCRETE REMOVAL EAST HANGAR NOT TO SCALE

CONCRETE REMOVAL - EAST HANGAR

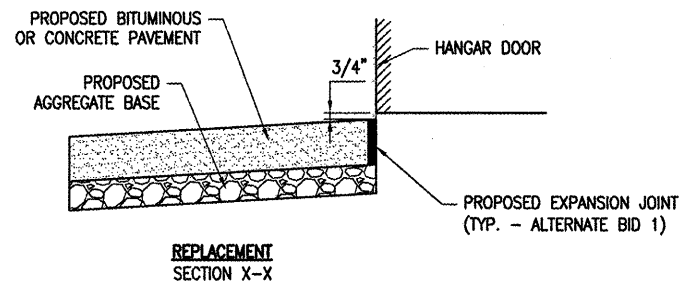
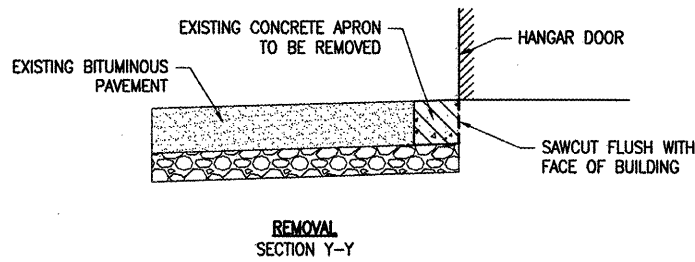
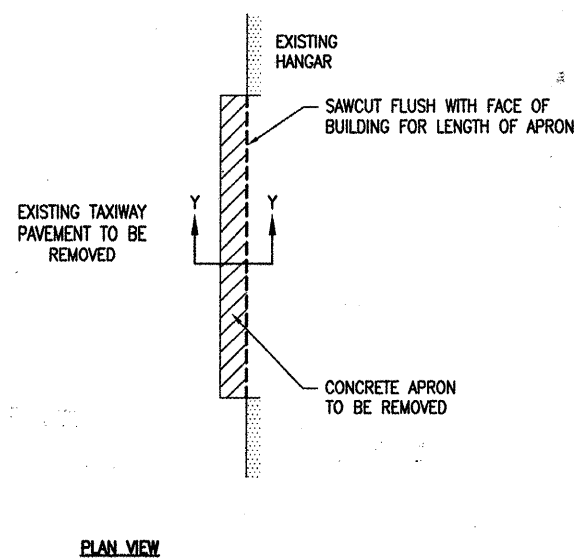
THE CONTRACTOR SHALL REMOVE THE EXISTING CONCRETE APRON AT EACH HANGAR DOOR, IN ITS ENTIRETY, TO AN EXISTING JOINT WITH THE HANGAR CONCRETE FLOOR SLAB APPROXIMATELY 6-12" INSIDE THE BUILDING.

PRIOR TO REMOVAL, THE CONTRACTOR SHALL MAKE A SAWCUT TO PREVENT ANY DAMAGE THE HANGAR FLOOR DURING CONCRETE REMOVAL. THE SAWCUT LOCATION WILL BE MARKED BY THE CONTRACTOR AND APPROVED BY THE RESIDENT ENGINEER.

THE CONTRACTOR WILL BE REQUIRED RECONSTRUCT THE PORTION OF THE APRON INSIDE THE BUILDING TO THE FACE OF THE BUILDING.

REMOVAL OF THE CONCRETE APRON WILL BE PAID FOR UNDER ITEM AR501900, CONCRETE REMOVAL, PER SQUARE YARD.

RECONSTRUCTION OF THE CONCRETE APRON INSIDE THE BUILDING WILL BE INCIDENTAL THE CONTRACT.



PROPOSED CONCRETE REMOVAL WEST HANGAR NOT TO SCALE

CONCRETE REMOVAL - WEST HANGAR

THE CONTRACTOR SHALL REMOVE THE EXISTING CONCRETE APRON AT EACH HANGAR DOOR, IN ITS ENTIRETY, TO AN EXISTING JOINT WITH THE HANGAR CONCRETE FLOOR SLAB FLUSH WITH THE FACE OF THE BUILDING/DOOR.

PRIOR TO REMOVAL, THE CONTRACTOR SHALL MAKE A SAWCUT TO PREVENT ANY DAMAGE THE HANGAR FLOOR DURING CONCRETE REMOVAL. THE SAWCUT LOCATION WILL BE MARKED BY THE CONTRACTOR AND APPROVED BY THE RESIDENT ENGINEER.

REMOVAL OF THE CONCRETE APRON WILL BE PAID FOR UNDER ITEM AR501900, CONCRETE REMOVAL, PER SQUARE YARD.

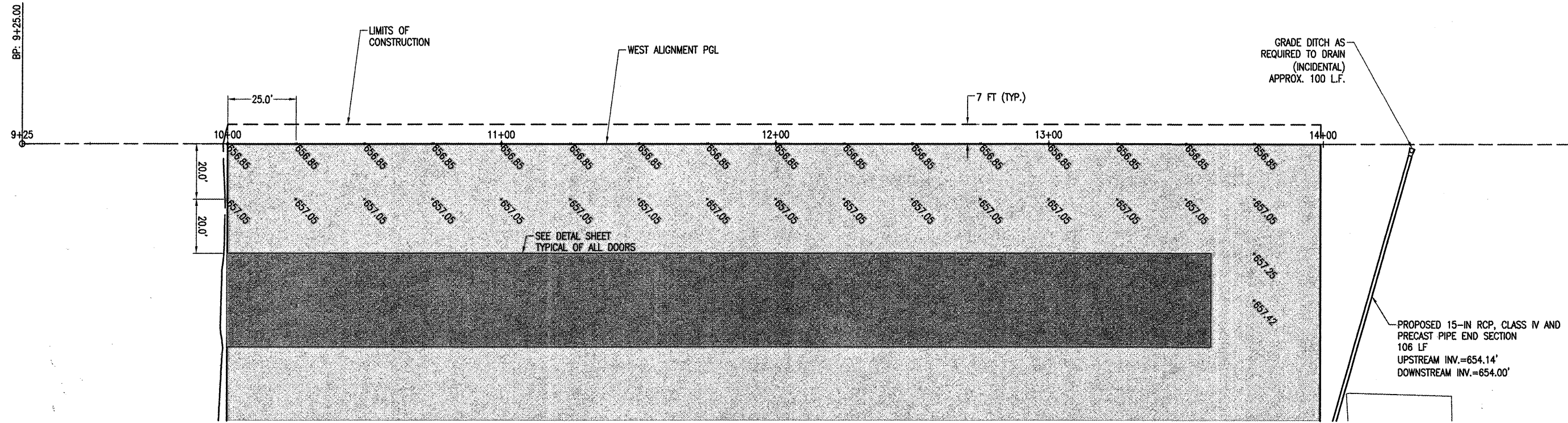
RECONSTRUCTION OF THE CONCRETE APRON INSIDE THE BUILDING WILL NOT BE REQUIRED AT THE WEST HANGAR.

SET Project No.	08A0209_0800
Filename	R-501TYP.DWG
Scale	NOT TO SCALE
Date	04/17/09
LAYOUT	MLH 03/13/09
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REMOVE AND RECONSTRUCT T-HANGAR TAXIWAYS  
PROPOSED CONCRETE REMOVAL DETAILS AND NOTES

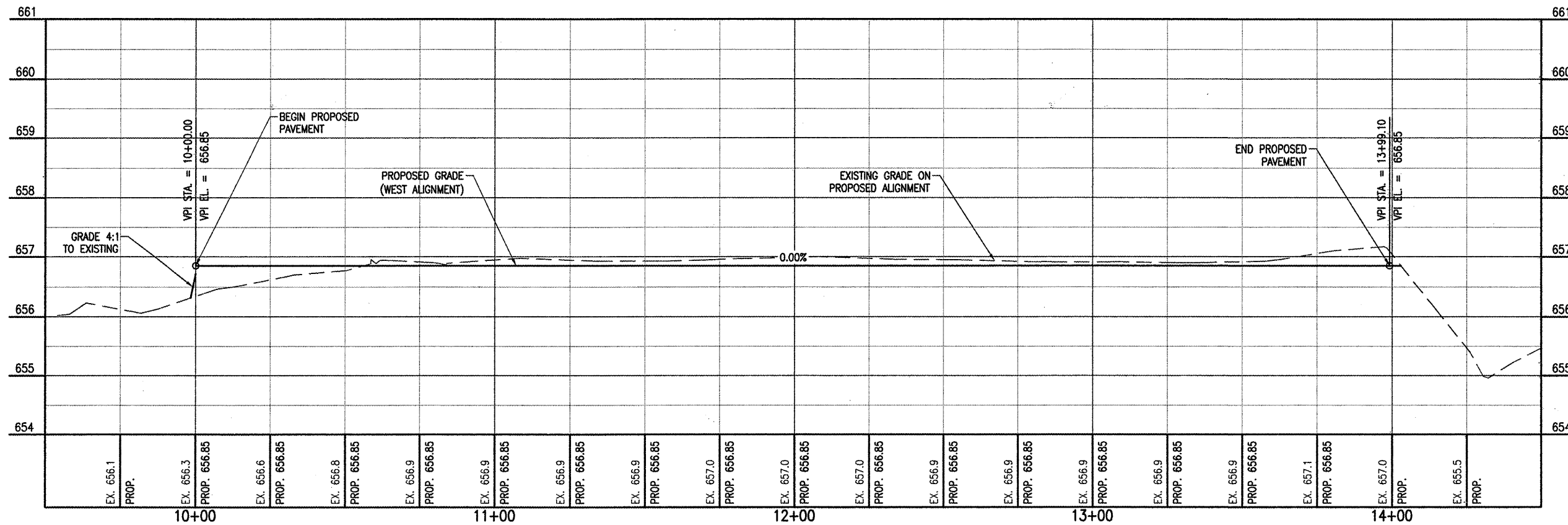
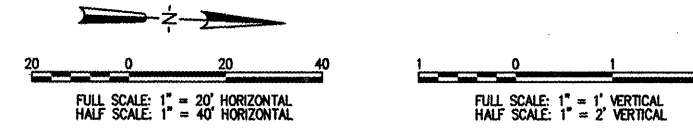




NOTE: ELEVATIONS PROVIDED AT LOCATIONS THAT MATCH EXISTING PAVEMENTS OR BUILDING FLOORS ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED JOINTS FLUSH WITH EXISTING OR AS DETAILED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS AT MATCH POINTS.

**LEGEND**

- EXISTING BUILDINGS
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PROPOSED SPOT ELEVATION



DATE	REVISION	BY

EDGAR COUNTY AIRPORT  
PARIS, ILLINOIS

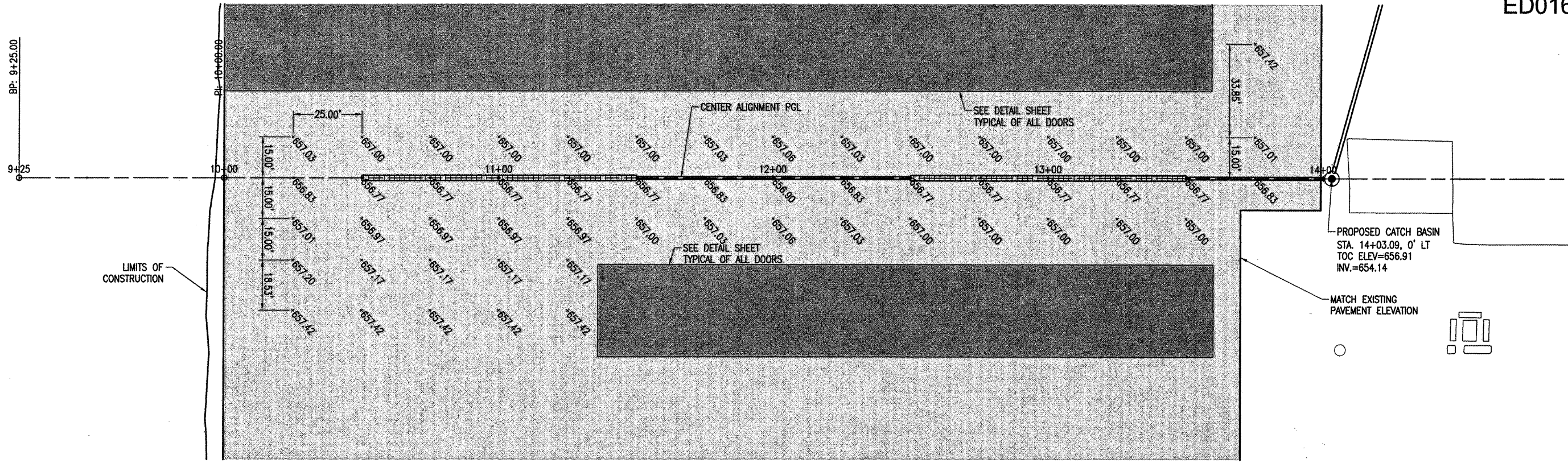
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SET Project No. 0840209_0800	DAK	03/05/09
Revision R-701PMP.DWG	DAK	03/06/09
Scale 1"=20'H 1"=1'V	JDW	03/18/09
Date 04/17/09		
LAYOUT		
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REMOVE AND RECONSTRUCT  
T-HANGAR TAXIWAYS

PROPOSED  
PLAN AND PROFILE -  
WEST ALIGNMENT

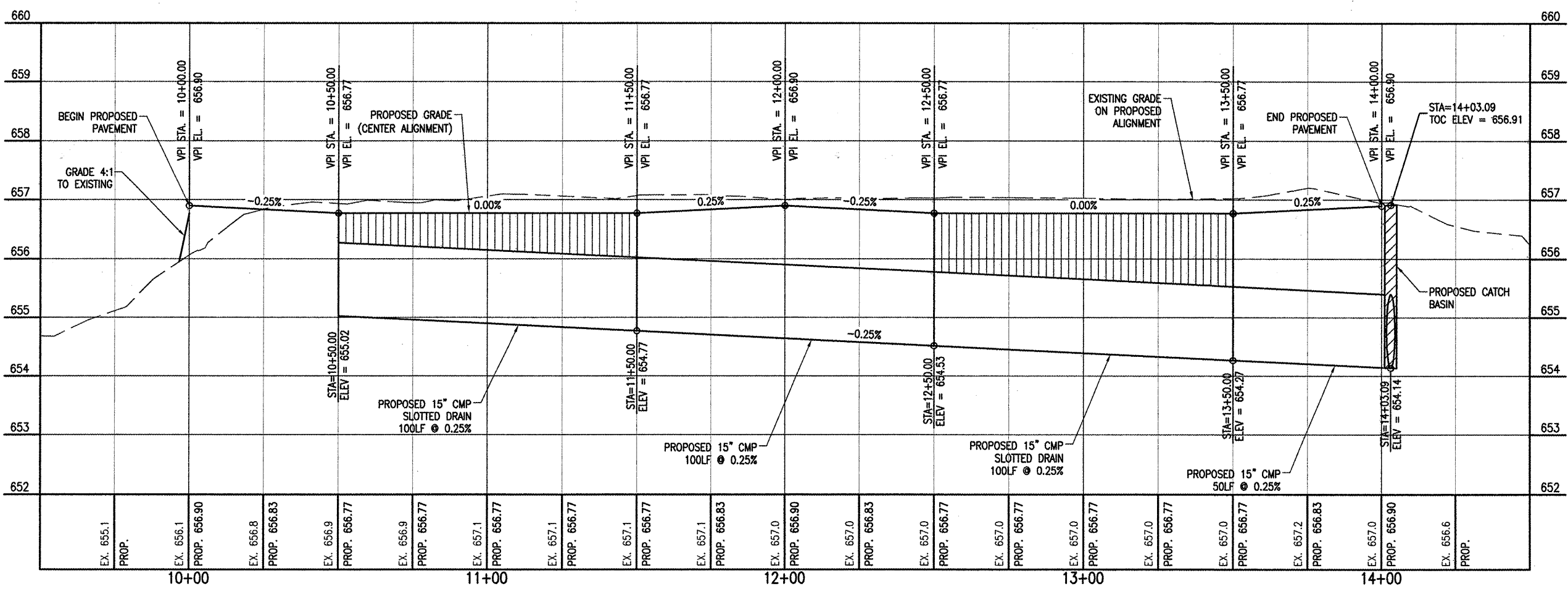
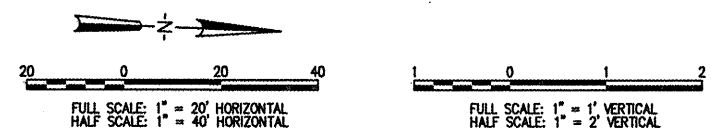


NOTE: ELEVATIONS PROVIDED AT LOCATIONS THAT MATCH EXISTING PAVEMENTS OR BUILDING FLOORS ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED JOINTS FLUSH WITH EXISTING OR AS DETAILED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS AT MATCH POINTS.

**LEGEND**

- EXISTING BUILDINGS
- EXISTING PAVEMENT
- PROPOSED PAVEMENT

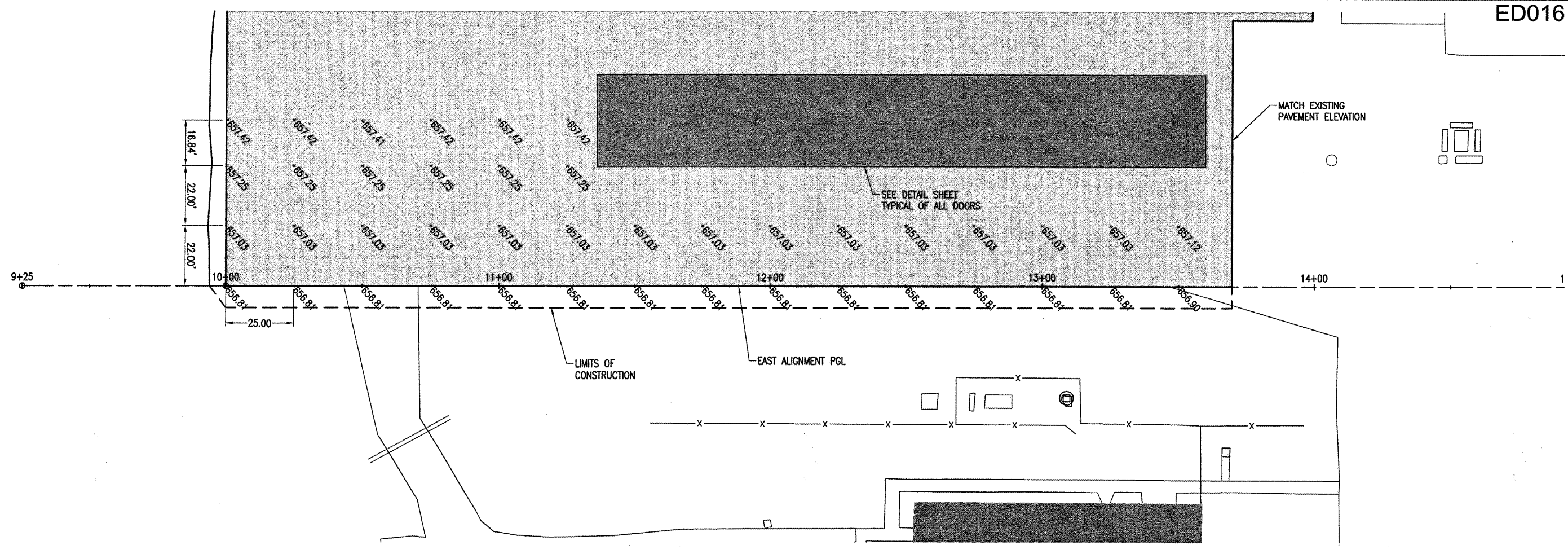
\*625.61 PROPOSED SPOT ELEVATION



DATE	REVISION	BY			
<b>EDGAR COUNTY AIRPORT PARIS, ILLINOIS</b>					
A.I.P. PROJ.: 3-17-0077-811					
IL PROJ.: PRG-3889					
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<p>REMOVE AND RECONSTRUCT T-HANGAR TAXIWAYS</p> <p>PROPOSED PLAN AND PROFILE CENTER ALIGNMENT</p>					
10					
10 of 18 sheets					

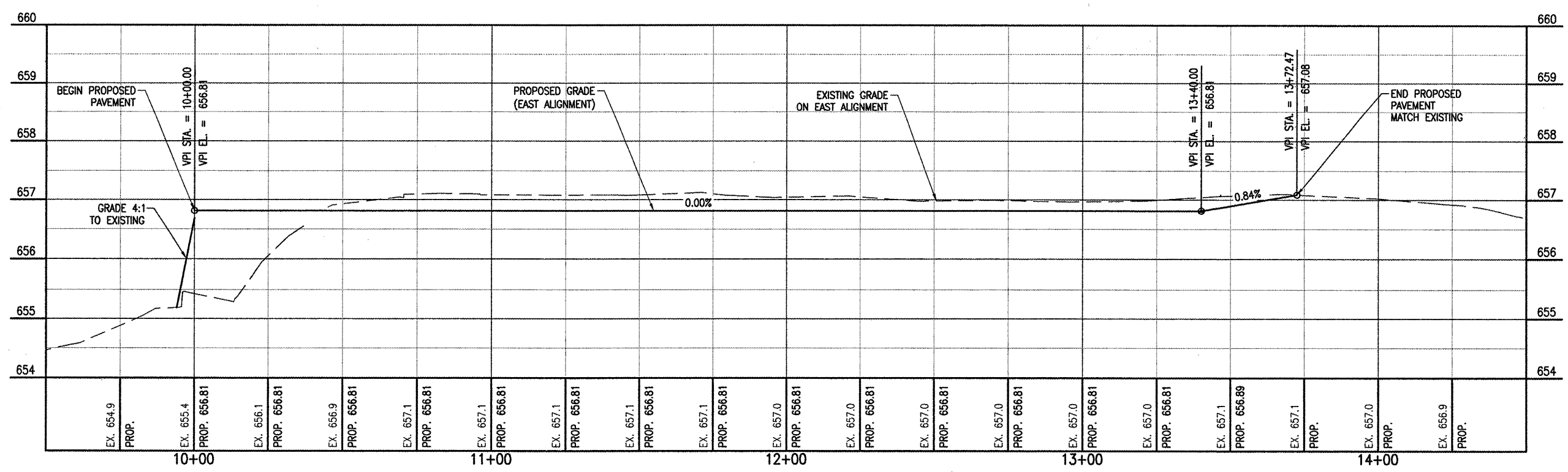
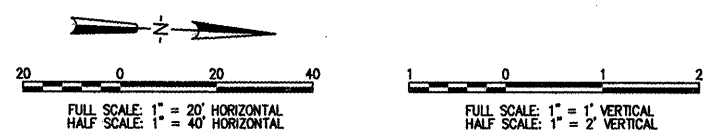


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NOTE: ELEVATIONS PROVIDED AT LOCATIONS THAT MATCH EXISTING PAVEMENTS OR BUILDING FLOORS ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED JOINTS FLUSH WITH EXISTING OR AS DETAILED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS AT MATCH POINTS.

- LEGEND**
- EXISTING BUILDINGS
  - EXISTING PAVEMENT
  - PROPOSED PAVEMENT
  - \* 625.81 PROPOSED SPOT ELEVATION



ED016

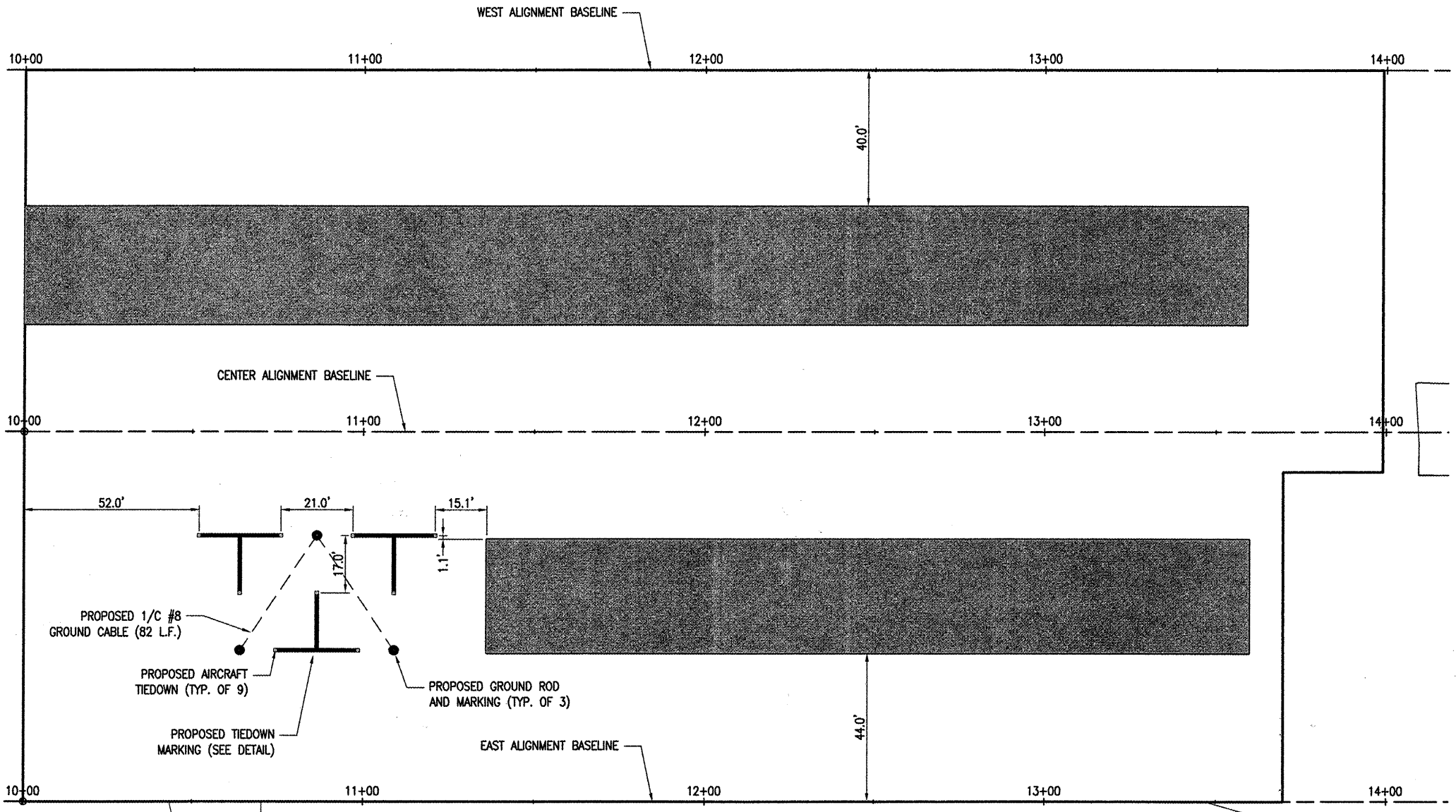
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EDGAR COUNTY AIRPORT  
 PARIS, ILLINOIS  
 IL PROJ.: PRG-3889 A.I.P. PROJ.: 3-17-0077-B11

LAYOUT	DAK	03/05/09
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REVIEWED	JDW	03/18/09

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REMOVE AND RECONSTRUCT  
 T-HANGAR TAXIWAYS  
 PROPOSED  
 PLAN AND PROFILE  
 EAST ALIGNMENT



**TIEDOWN NOTES**  
 NEW TIEDOWNS WILL BE INSTALLED AT THE LOCATIONS SHOWN ON THIS SHEET. THE TIEDOWNS WILL BE INSTALLED IN ACCORDANCE WITH DETAIL "C" FOR ALTERNATE BID A (CONCRETE PAVEMENT). THE TIEDOWNS WILL BE INSTALLED IN ACCORDANCE WITH DETAIL "B" FOR ALTERNATE BID B (BITUMINOUS PAVEMENT).

THE PERIMETER OF EACH PROPOSED TIEDOWN SHALL BE SAWED OR CORED, IF NOT CAST IN-PLACE.  
 TIEDOWN CASTINGS SHALL BE NEENAH R-3490A OR APPROVED EQUAL.  
 CONCRETE SHALL MEET THE REQUIREMENTS OF 610 - STRUCTURAL CONCRETE.  
 THE PROPOSED TIEDOWN MARKING WILL BE IN ACCORDANCE WITH THE PROPOSED TIEDOWN MARKING DETAIL ON THIS SHEET AND THE SPECIFICATIONS.  
 THE TIEDOWNS WILL BE PAID FOR UNDER ITEM AR510510 TIEDOWN, PER EACH.

**GROUND ROD NOTES**  
 THE GROUND RODS WILL BE INSTALLED AT THE LOCATIONS SHOWN ON THIS SHEET.  
 THE CONTRACTOR SHALL TAKE CARE AS NOT TO ALLOW ANY PAINT TO ADHERE TO THE GROUND ROD.  
 THE CONTRACTOR SHALL INSTALL A #8 BARE COPPER WIRE IN THE PROPOSED SAWED JOINT AS INDICATED ON THIS SHEET. THE SAW CUT WILL BE CUT 2" DEEP TO FACILITATE THE INSTALLATION OF THE PROPOSED GROUNDING CABLE. THE CONTRACTOR WILL SEAL THE SAW CUT WITH COLD POUR MATERIAL AFTER THE GROUNDING CABLE IS INSTALLED.

THE PROPOSED GROUND RODS AND GROUNDING CABLE AND ASSOCIATED WORK WILL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE PROPOSED TIEDOWNS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

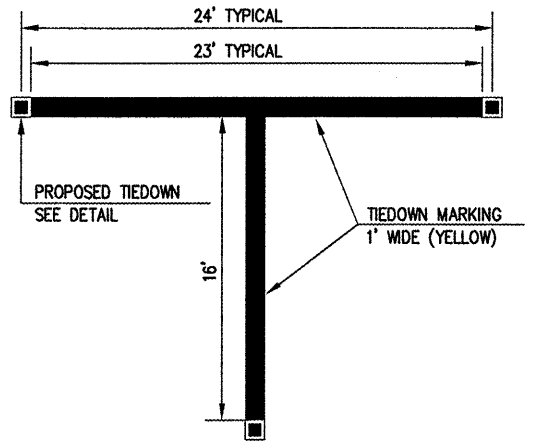
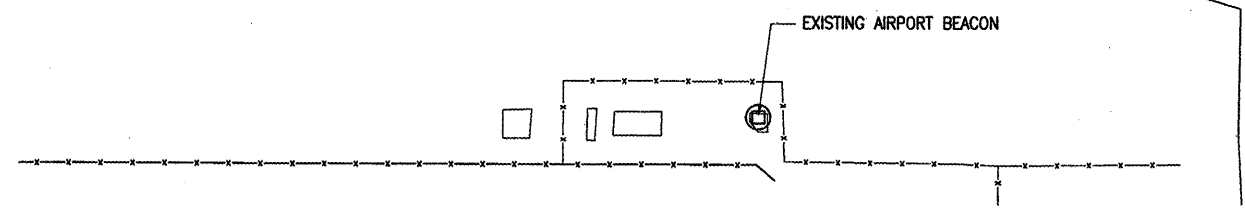
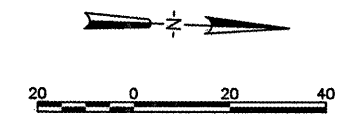
**MARKING NOTES**  
 ALL MARKING SHALL BE YELLOW IN COLOR AND OUTLINED IN BLACK.  
 ALL TAXIWAY CENTERLINE AND TIEDOWN MARKINGS SHALL BE 1" IN WIDTH AND SOLID. THE BLACK BORDER SHALL BE 6" BEYOND THE MARKING DIMENSIONS DETAILED. ALL OTHER MARKING WILL BE AS DETAILED.  
 ALL MARKING WILL HAVE A REFLECTIVE MEDIA. APPLICATION RATES WILL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS. BLACK BORDER WILL NOT REQUIRE REFLECTIVE MEDIA.  
 "CUT-OFF" SHEETS SHALL BE USED TO ENSURE STRAIGHT EDGES.

THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEMS AR620520 PAVEMENT MARKING-WATERBORNE, PER SQUARE FOOT AND PAVEMENT AR620525 PAVEMENT MARKING-BLACK BORDER, PER SQUARE FOOT.

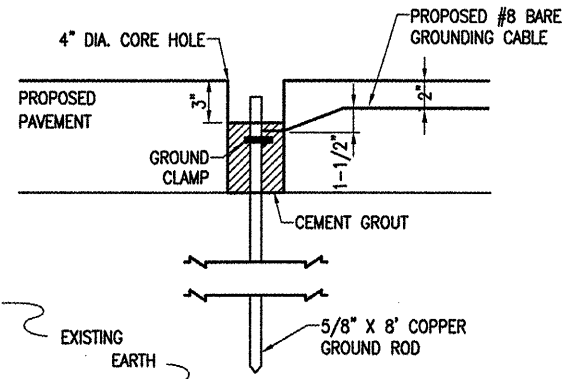
QUANTITY OF MARKING ON THIS SHEET:  
 AR620520 PAVEMENT MARKING-WATERBORNE  
 TIE DOWNS 117 S.F.  
 GROUND RODS 20 S.F.  
 AR620525 PAVEMENT MARKING-BLACK BORDER  
 TIE DOWNS 117 S.F.  
 GROUND RODS 8 S.F.

**LEGEND**

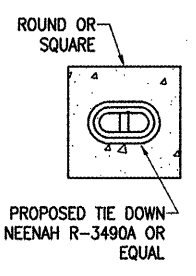
	EXISTING PAVEMENT
	PROPOSED IMPROVEMENTS
	EXISTING BUILDINGS
	EXISTING FENCE



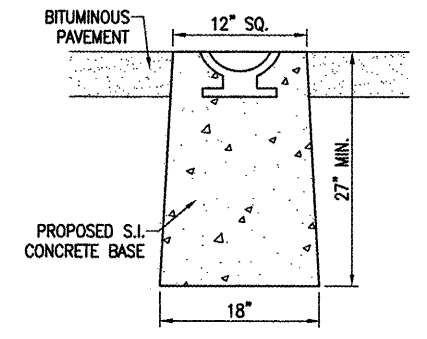
**PROPOSED TIEDOWN MARKING DETAIL**  
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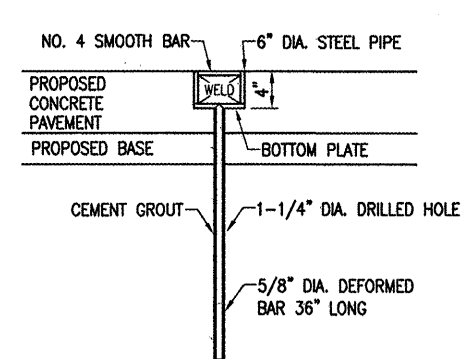
**GROUND ROD DETAIL**  
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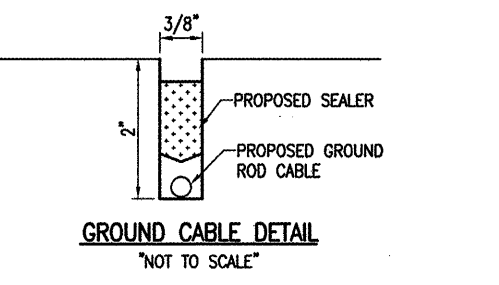
**PROPOSED TIE DOWN**  
 NEENAH R-3490A OR EQUAL



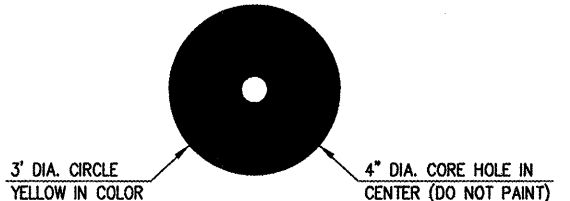
**TIEDOWN DETAIL "B"**  
 ALTERNATE BID B  
 "NOT TO SCALE"



**TIEDOWN DETAIL "C"**  
 ALTERNATE BID A  
 "NOT TO SCALE"



**GROUND CABLE DETAIL**  
 "NOT TO SCALE"



**GROUND ROD MARKING DETAIL**  
 "NOT TO SCALE"

REVISION	DATE	BY

EDGAR COUNTY AIRPORT  
 PARIS, ILLINOIS  
 I.L. PROJ.: PRG-3889  
 A.I.P. PROJ.: 3-17-0077-B11

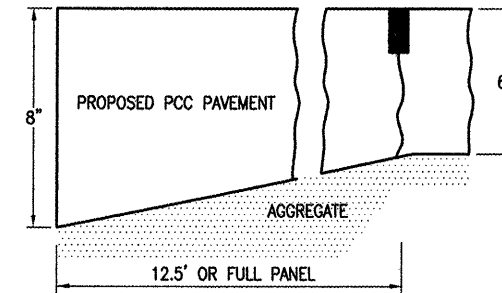
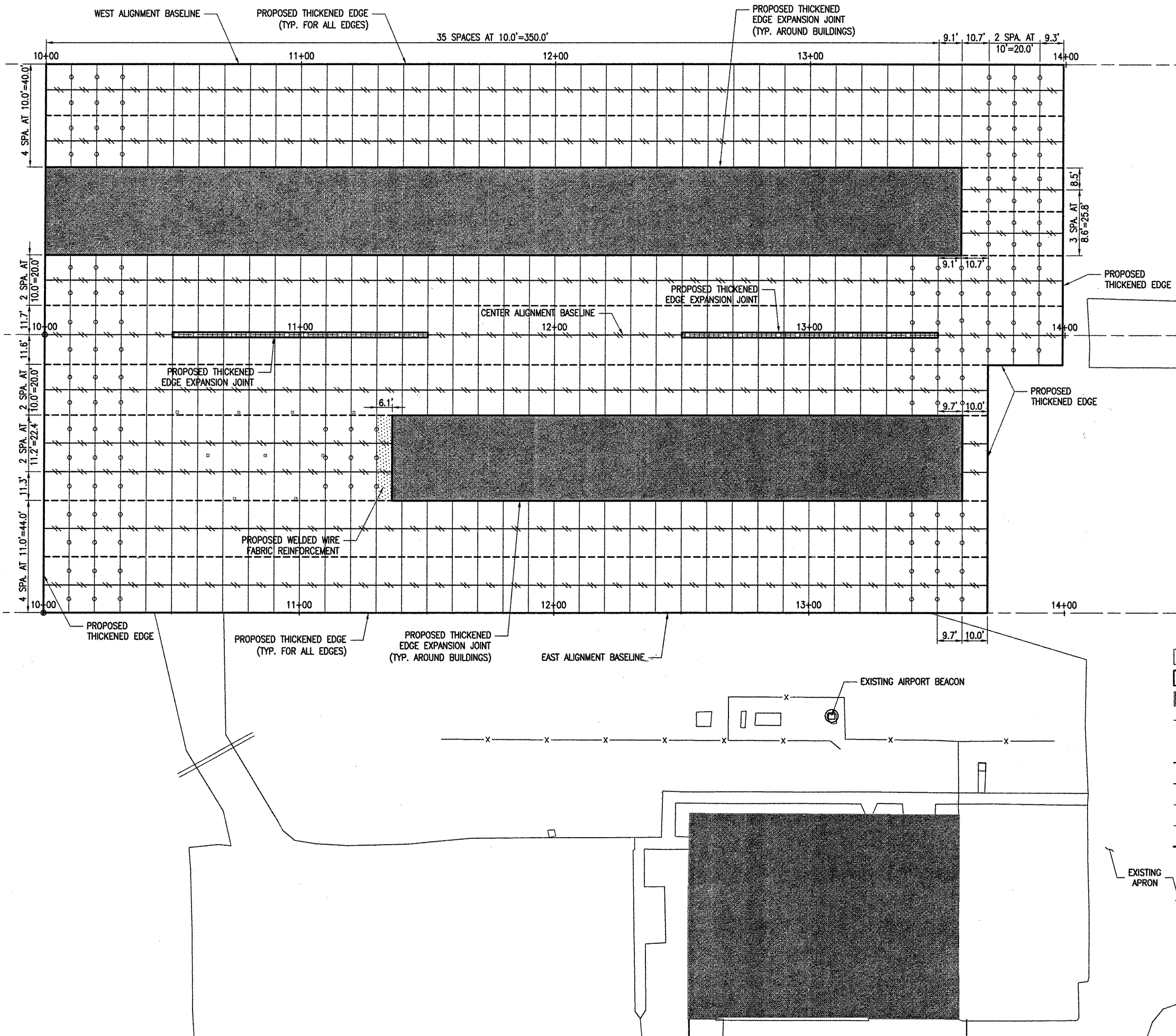
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FILE NO.	R-151MRK.DWG
SCALE	1"=20'
DATE	04/17/09
LAYOUT	MLH 03/07/09
DRAWN	MLH 03/07/09
REVIEWED	JDW 03/18/09

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**REMOVE AND RECONSTRUCT**  
 T-HANGAR TAXIWAYS  
 PROPOSED PAVEMENT MARKING  
 AND AIRCRAFT TIEDOWN PLAN

APR 13 2009 5:07 PM HARR01115  
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THICKENED EDGE OF PAVEMENT DETAIL  
NOT TO SCALE

**NOTES**

ALL PROPOSED PAVEMENT EDGES WILL REQUIRE A THICKENED EDGE TO ACCOMMODATE FUTURE EXPANSION. THE SUBGRADE WILL BE GRADED TO ALLOW FOR THE PLACEMENT OF THE FULL DEPTH OF CRUSHED AGGREGATE BASE COURSE BELOW THE THICKENED EDGE.

ALL DOWELS FOR THE 6" PAVEMENT SHALL BE 3/4" DIA., 18 IN. LENGTH AND SPACED 12 IN. CENTER TO CENTER.

ALL TIE BARS FOR THE 6" PAVEMENT SHALL BE NO. 4, 20 IN. LENGTH AND SPACED 36 IN. CENTER TO CENTER.

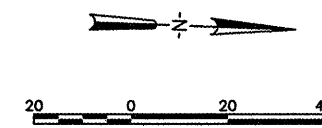
WELDED WIRE FABRIC REINFORCEMENT SHALL BE 6" X 6" W5XW5.

SEE PROPOSED JOINT CONSTRUCTION AND SEALING DETAILS SHEET FOR ADDITIONAL INFORMATION.

**LEGEND**

- EXISTING PAVEMENT
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS
- EXISTING FENCE
- EXISTING AIRPORT BEACON
- LONGITUDINAL CONST. JOINT - DOWELED (TYPE D)
- LONGITUDINAL CONTRACTION JOINT - TIED/SAWED (TYPE G)
- TRANSVERSE CONTRACTION JOINT - DOWELED/SAWED (TYPE F)
- TRANSVERSE CONTRACTION JOINT - DUMMY (TYPE H)
- PROPOSED THICKENED EDGE (SEE DETAIL)

EXISTING APRON



DATE	REVISION	BY

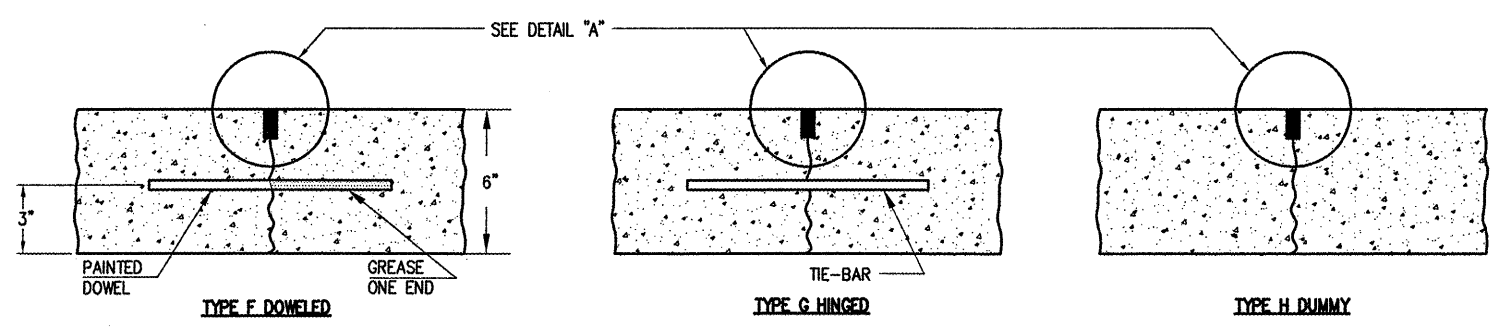
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PARIS, ILLINOIS  
A.I.P. PROJ.: 3-17-0077-B11  
PRG-3889

LAYOUT	MLH	03/07/09
DRAWN	MLH	03/07/09
REVIEWED	JOW	03/18/09

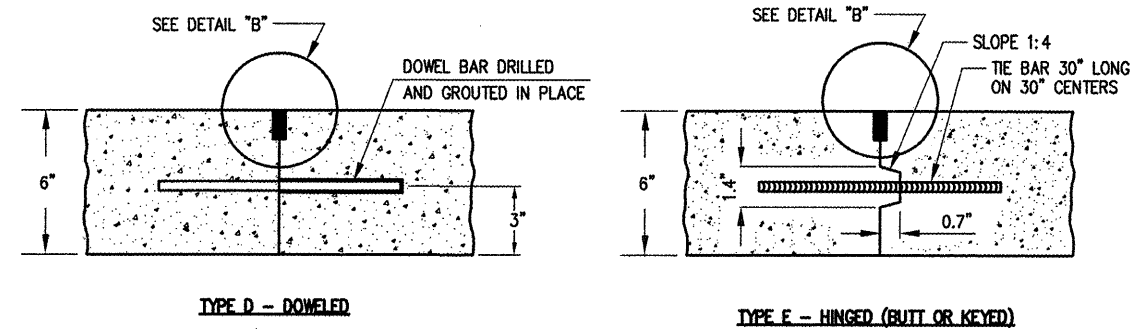
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 Release R-16 INT.DWG  
 Scale AS SHOWN  
 Date 04/17/09

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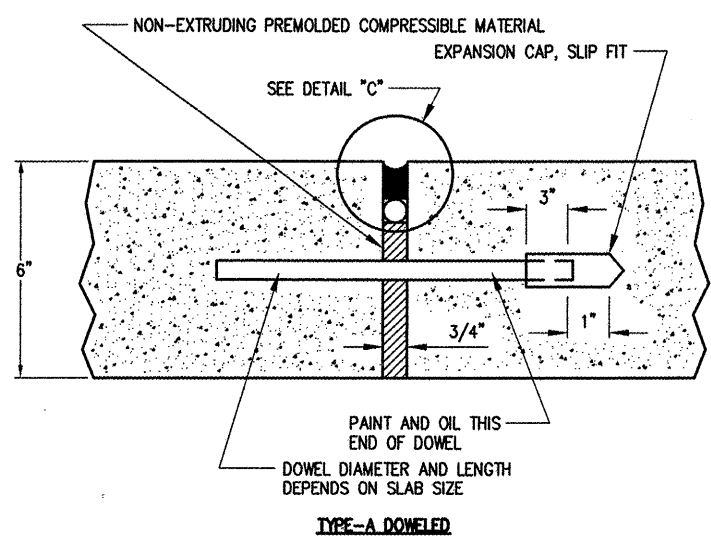
REMOVE AND RECONSTRUCT  
T-HANGAR TAXIWAYS  
PROPOSED PAVEMENT  
JOINTING PLAN  
(ALTERNATE BID A)



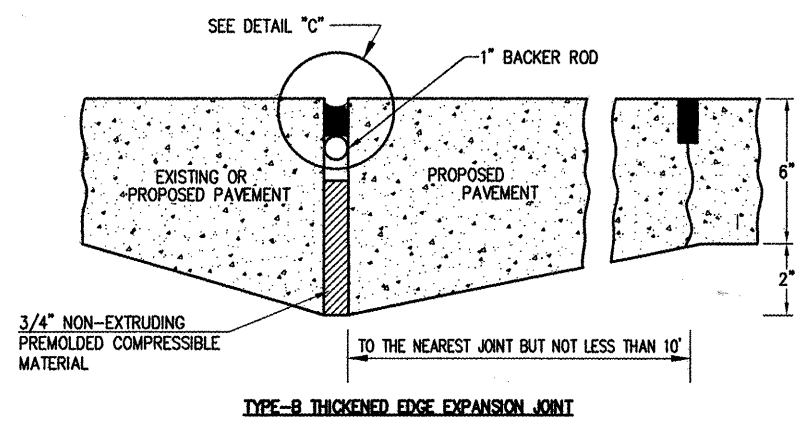
CONTRACTION JOINTS



CONSTRUCTION JOINTS

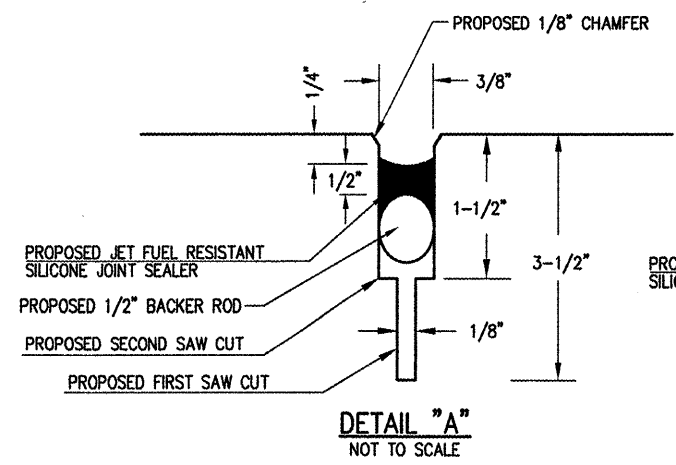


TYPE-A DOWELED

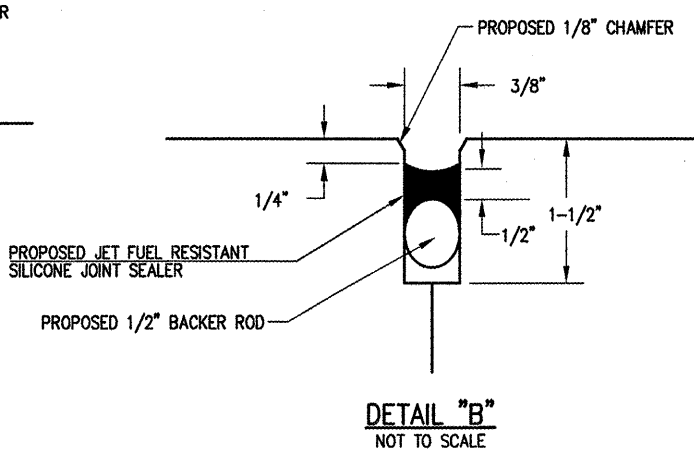


TYPE-B THICKENED EDGE EXPANSION JOINT

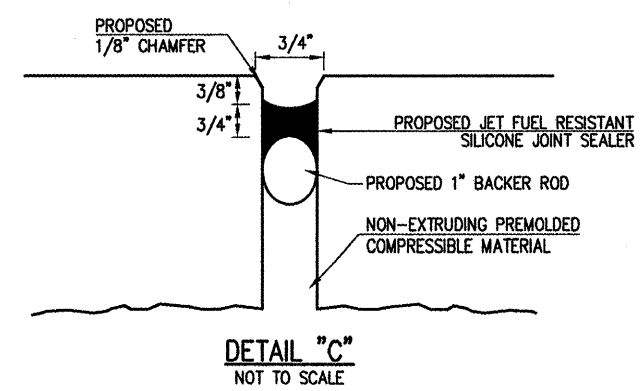
EXPANSION JOINTS



DETAIL "A"  
NOT TO SCALE



DETAIL "B"  
NOT TO SCALE



DETAIL "C"  
NOT TO SCALE

JOINTING NOTES

1. ALL JOINT EDGES SHALL BE SAWCUT TO PRODUCE THE 1/8" CHAMFER.
2. ALL LONGITUDINAL AND TRANSVERSE CONTRACTION JOINTS SHALL BE SAWED.
3. ALL DOWEL BARS SHALL BE SECURELY HELD IN PLACE BY MEANS OF A DOWEL BAR ASSEMBLY WHICH WILL ENSURE 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 FOR THE 6" PAVEMENT SHALL BE 3/4" DIA., 18" LENGTH AND SPACED 12" CENTER TO CENTER.
4. ALL TIE BARS SHALL BE 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.
5. ALL TIE BARS SHALL BE PLACED AT A POINT NOT LESS THAN 6" OR MORE THAN 15" FROM A TRANSVERSE OR EXPANSION JOINT. TIES BARS FOR THE 6" PAVEMENT SHALL BE NO. 4, 20" LENGTH AND SPACED 36" CENTER TO CENTER.
6. DOWELS IN TRANSVERSE CONTRACTION AND LONGITUDINAL CONSTRUCTION JOINTS SHALL BE COATED WITH A RUSTPROOFING COMPOUND AND HALF THE LENGTH GREASED WITH A HEAVY GREASE.
7. ALLOWABLE TOLERANCES FOR GROOVE DEPTH WILL BE ±1/8" FOR CONSTRUCTION JOINTS AND ±1/4" FOR CONTRACTION JOINTS.
8. THE CONTRACTOR IS REQUIRED TO DRILL AND EPOXY THE PROPOSED DOWELS IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS. THE EPOXY MATERIAL MUST BE APPROVED BY THE DIVISION OF AERONAUTICS PRIOR TO USE.
9. THE COST OF ALL DOWEL BARS, TIE-BARS, SAWING AND SEALING SHALL BE INCLUDED IN THE COST OF THE P.C.C. PAVEMENT.
10. WHEN CONSTRUCTING "FILL-IN" PAVEMENT LANES THE CONTRACTOR SHALL USE BELTING OR OTHER PROTECTIVE MATERIAL FOR THE PAVING MACHINE TO TRAVEL ON AND WILL PROTECT THE TRANSVERSE JOINTS.
11. JOINT SEALANT SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS ITEM 501-2.5.
12. CURING COMPOUND SHALL BE SPECIFIED IN THE SPECIAL PROVISIONS ITEM 501-3.17 AND SHALL BE APPROVED PRIOR TO THE PAVING OPERATION BY THE ENGINEER.
13. ALL NON-ALIGNED EDGES WILL BE SAWED FULL DEPTH.

BY	
REVISION	
DATE	

EDGAR COUNTY AIRPORT  
PARIS, ILLINOIS

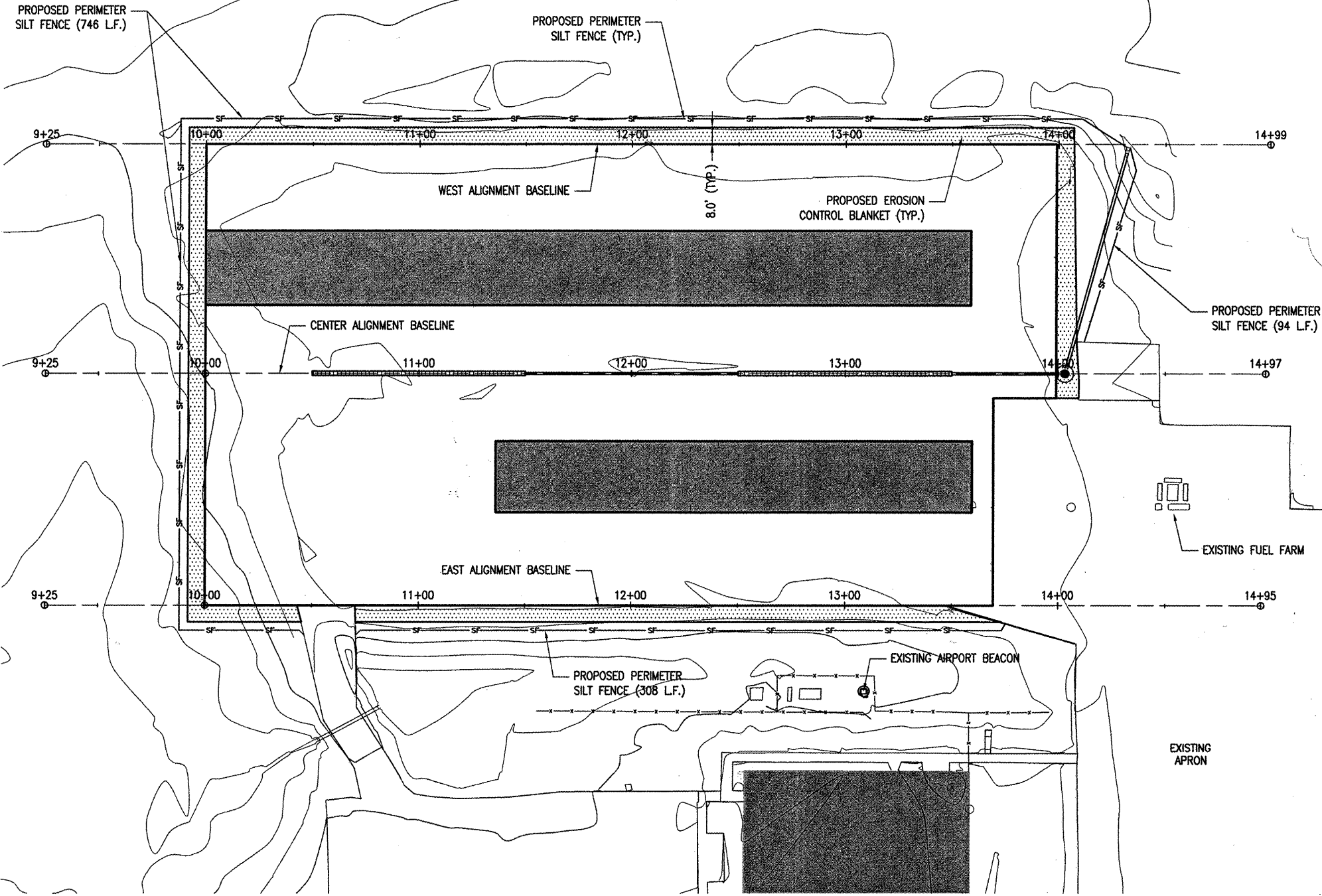
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ESTIMATE	R-502ANTDLS.DWG
SCALE	AS SHOWN
DATE	04/17/09
LAYOUT	MLH
DATE	03/06/09
DRAWN	MLH
DATE	03/06/09
REVIEWED	JDW
DATE	03/18/09

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REMOVE AND RECONSTRUCT  
T-HANGAR TAXIWAYS

PROPOSED JOINT CONSTRUCTION  
AND SEALING DETAILS  
(ALTERNATE BID A)

APR 13, 2009 5:18 PM HARR01115  
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THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

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

**EROSION CONTROL**

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.

EROSION CONTROL FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM WATER DRAINAGE.

COST OF REMOVAL AND REPLACEMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM AR156510 SILT FENCE.

**EROSION CONTROL BLANKET NOTES**

AN EROSION CONTROL MATERIAL (EXCELSIOR BLANKET) WILL BE INSTALLED AT THE LOCATIONS SHOWN ON THESE CONSTRUCTION PLANS AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM AR156531 EROSION CONTROL BLANKET, PER SQUARE YARD.

BY	
REVISION	
DATE	

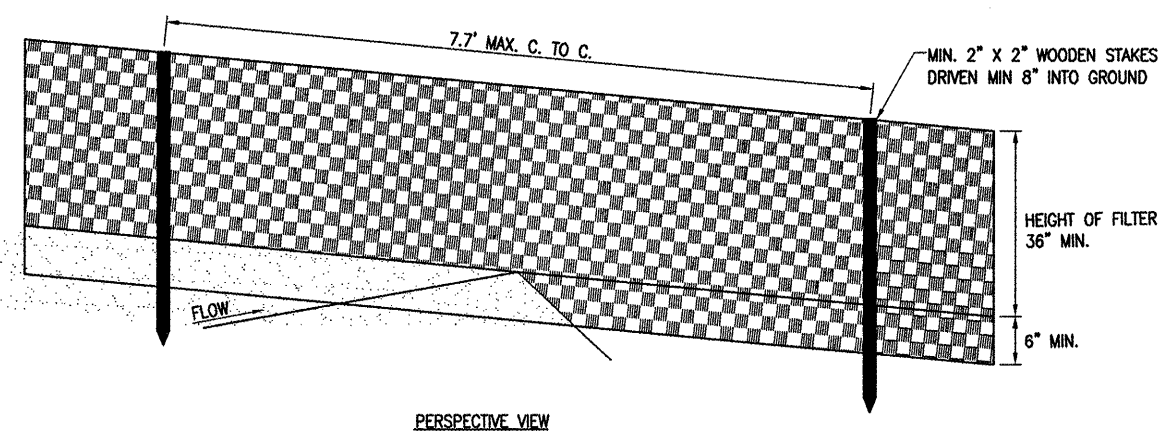
EDGAR COUNTY AIRPORT  
PARIS, ILLINOIS

A.I.P. PROJ.: 3-17-0077-811  
IL PROJ.: PRC-3689

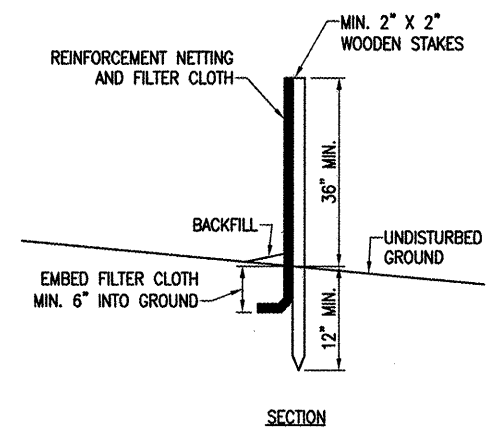
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Date	04/17/09
LAYOUT	MLH 03/06/09
DRAWN	MLH 03/06/09
REVIEWED	JDW 03/19/09

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REMOVE AND RECONSTRUCT  
T-HANGAR TAXIWAYS  
PROPOSED STORMWATER  
POLLUTION PREVENTION PLAN



PERSPECTIVE VIEW



SECTION

PERIMETER SILT FENCE DETAIL

**LEGEND**

- EXISTING PAVEMENT
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS
- EXISTING FENCE
- PROPOSED PERIMETER SILT FENCE

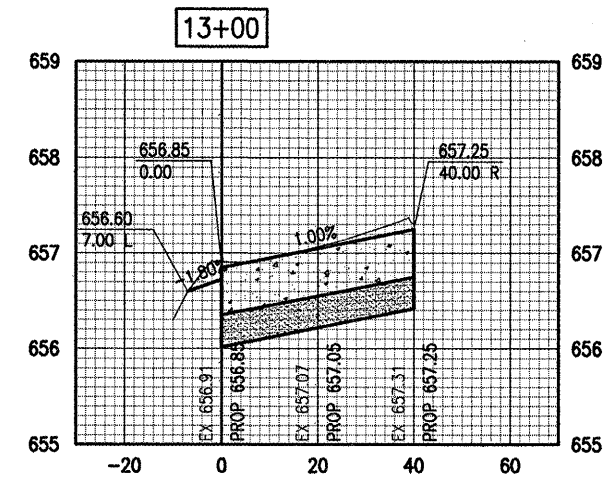
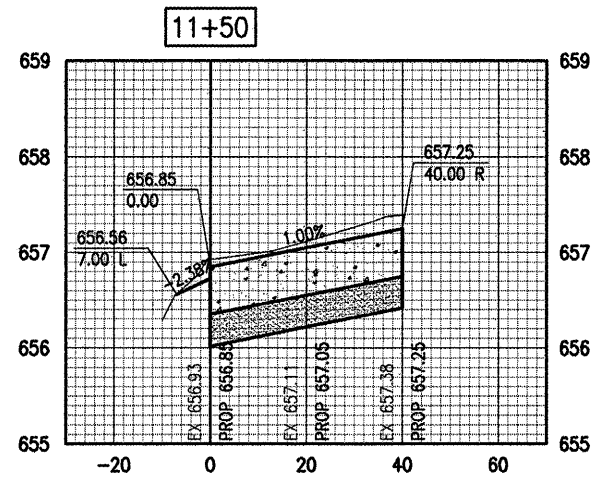
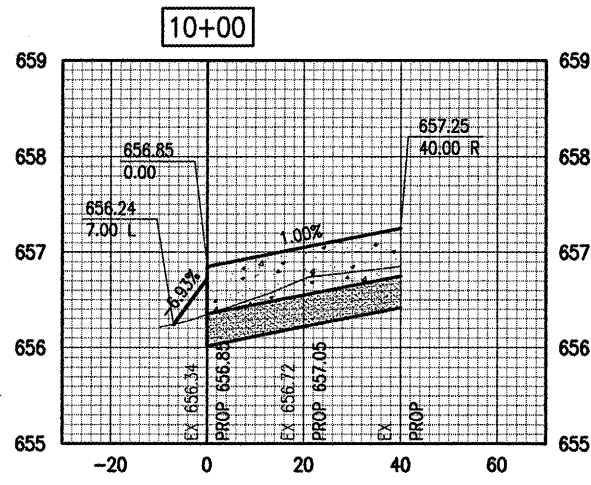
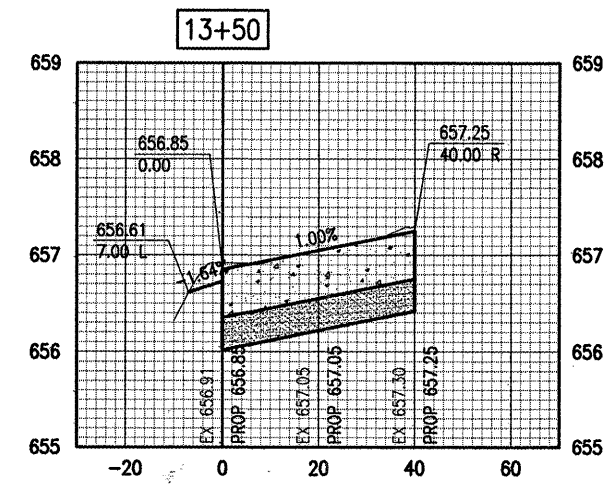
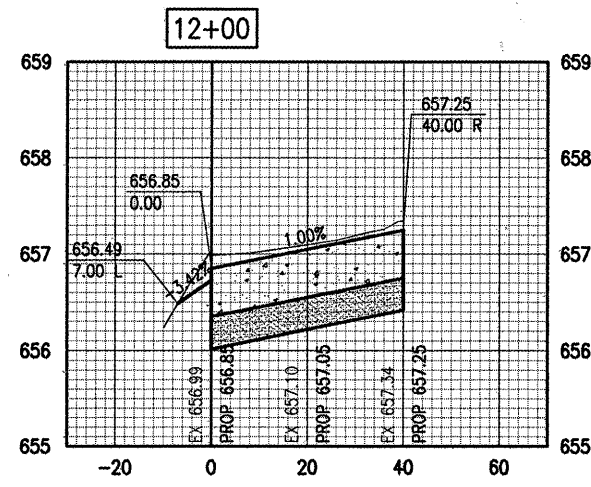
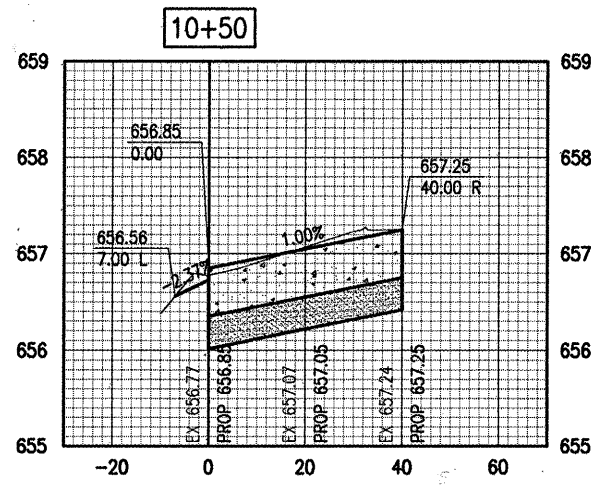
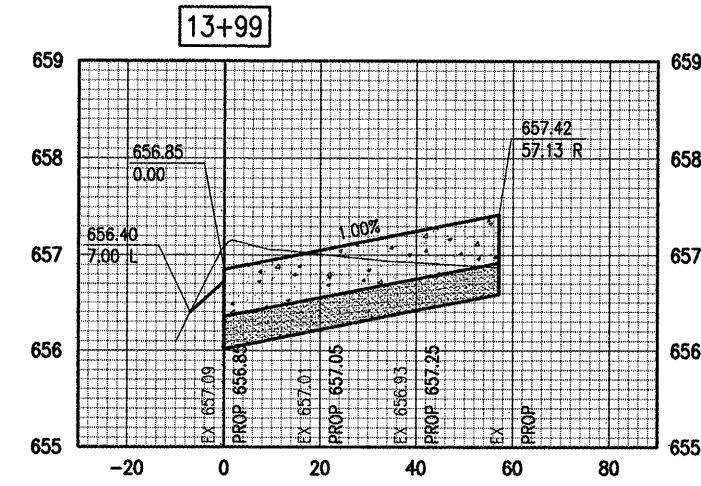
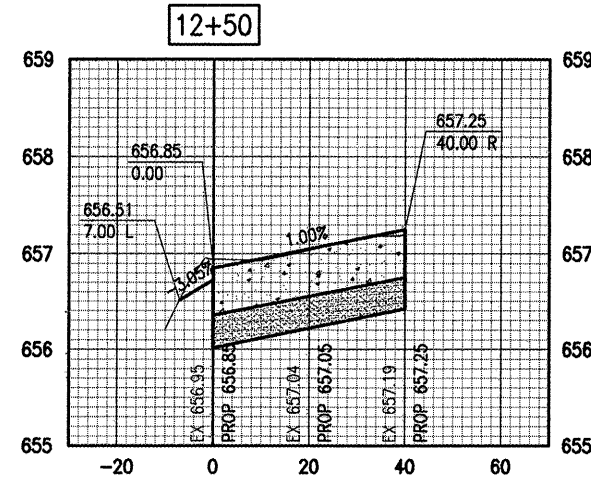
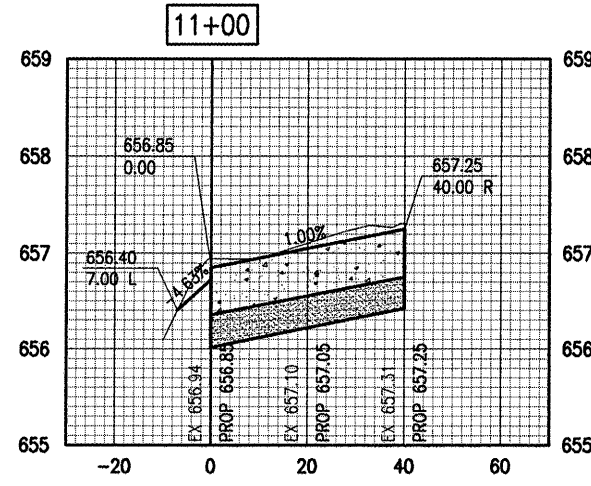
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**NOTES**

1. CROSS SECTIONS ARE BASED ON ALTERNATE BID A. ADD 2 INCH CUT FOR ALTERNATE BID B. SURFACE GRADES SHALL REMAIN THE SAME FOR EITHER ALTERNATE.
2. ELEVATIONS PROVIDED AT LOCATIONS THAT MATCH EXISTING PAVEMENTS OR BUILDING FLOORS ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED JOINTS FLUSH WITH EXISTING OR AS DETAILED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS AT MATCH POINTS.



DATE	REVISION	BY

EDGAR COUNTY AIRPORT  
PARIS, ILLINOIS

IL PROJ.: PRG-3889 A.I.P. PROJ.: 3-17-0077-B11

HEI Project No. 0840209_0800	FILENAME CORR-SURE.DWG	Scale 1"=20' H 1"=1' V
DATE 04/17/09	LAYOUT	DAK 03/06/09
	DRAWN	DAK 03/06/09
	REVIEWED	JDW 03/18/09



**REMOVE AND RECONSTRUCT T-HANGAR TAXIWAYS**

PROPOSED CROSS SECTIONS - WEST ALIGNMENT

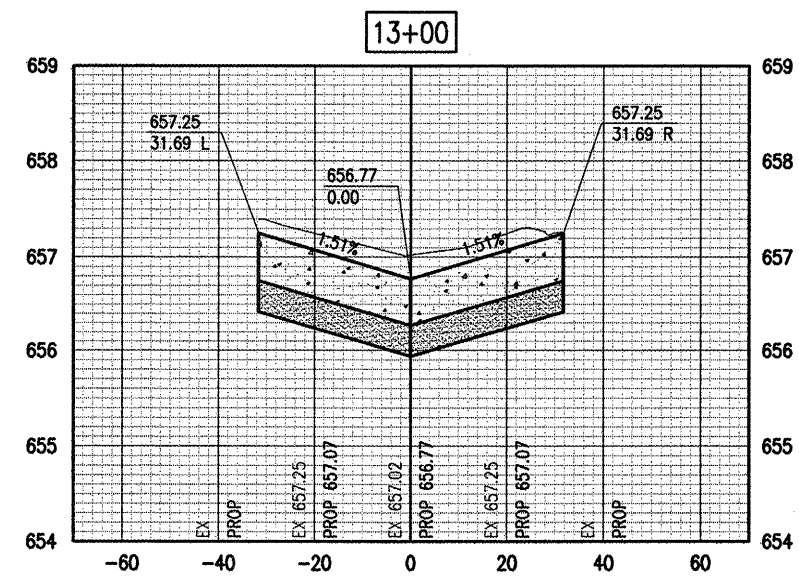
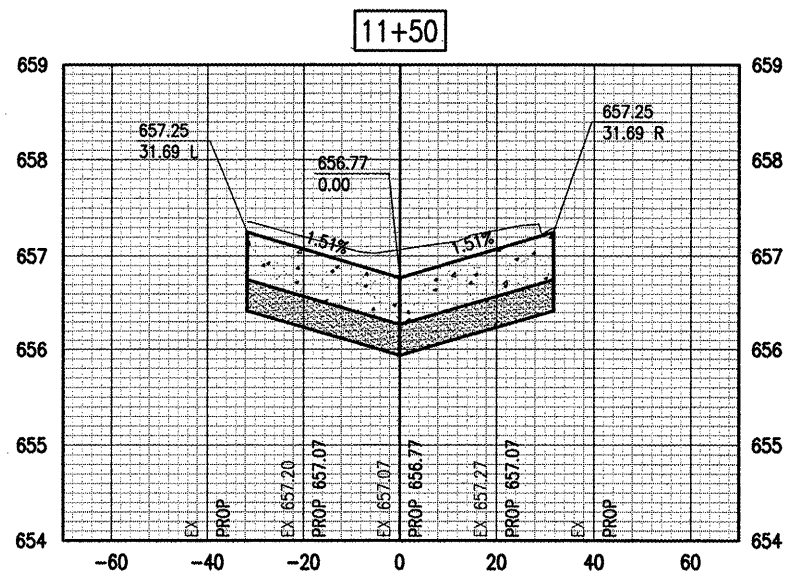
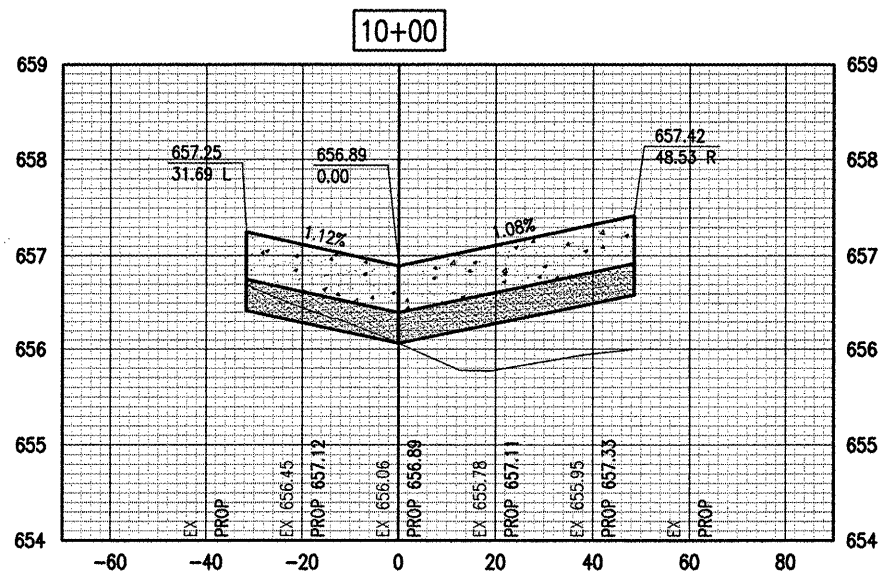
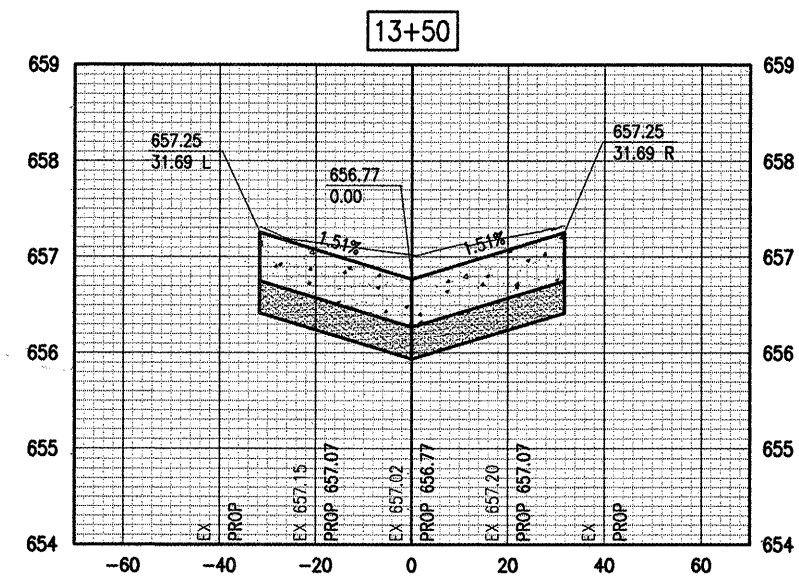
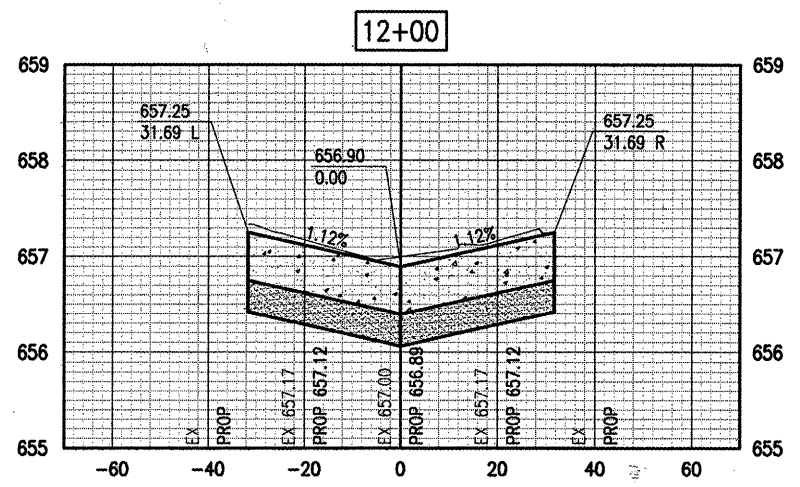
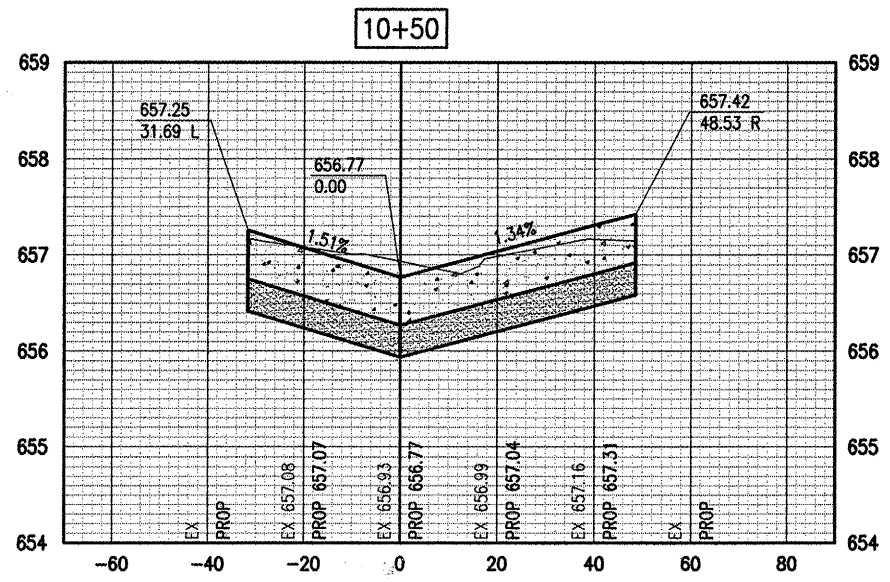
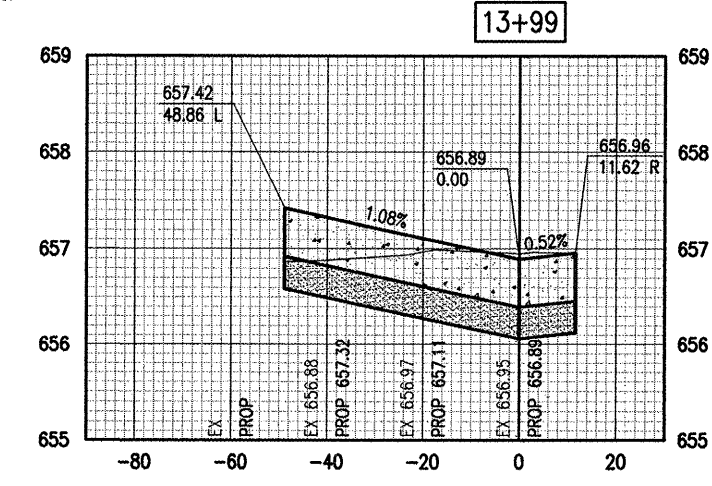
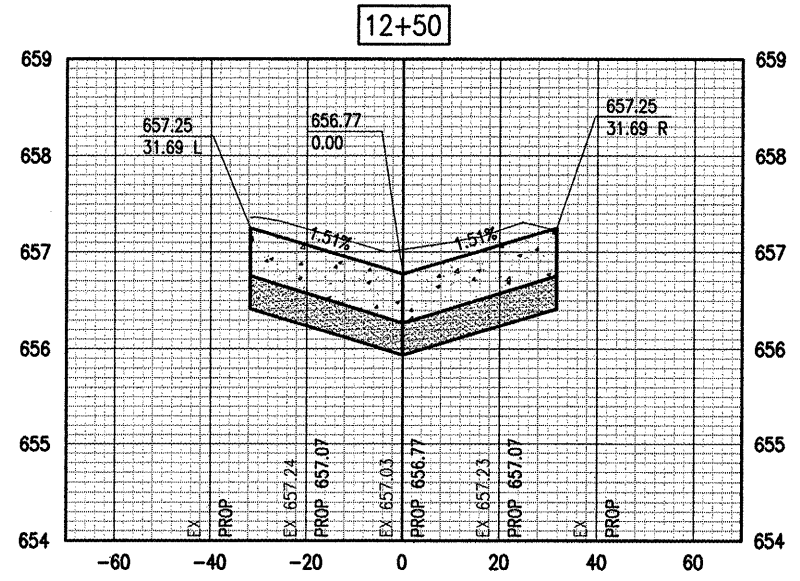
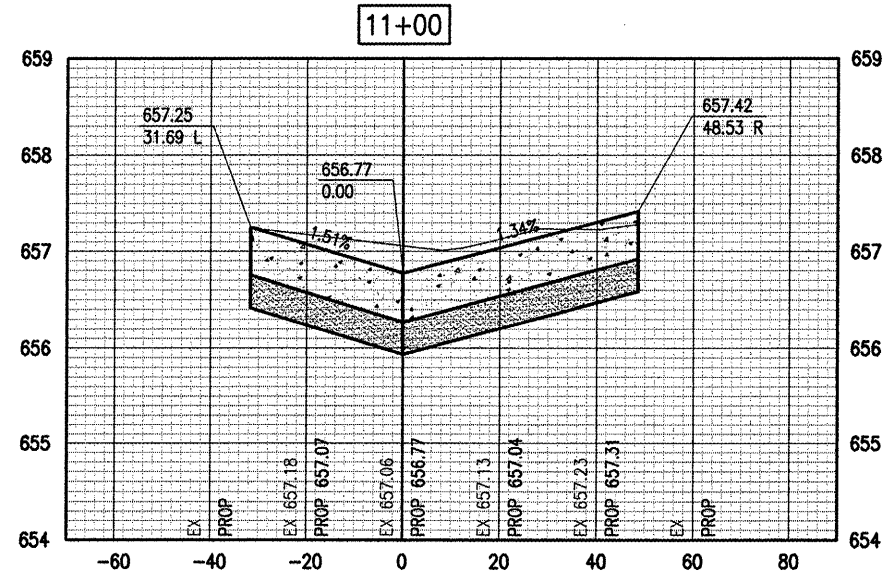
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**NOTES**

- CROSS SECTIONS ARE BASED ON ALTERNATE BID A. ADD 2 INCH CUT FOR ALTERNATE BID B. SURFACE GRADES SHALL REMAIN THE SAME FOR EITHER ALTERNATE.
- ELEVATIONS PROVIDED AT LOCATIONS THAT MATCH EXISTING PAVEMENTS OR BUILDING FLOORS ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED JOINTS FLUSH WITH EXISTING OR AS DETAILED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS AT MATCH POINTS.



BY	REVISION

DATE

**EDGAR COUNTY AIRPORT  
 PARIS, ILLINOIS**

ALP PROJ: 3-17-0077-B11  
 IL PROJ: PRG-3889

HEB Project No.	DATE	BY
08A0209_0800	03/06/09	DAK
Excavation CORR-SURF.DWG	03/06/09	DAK
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Date: 04/17/09		

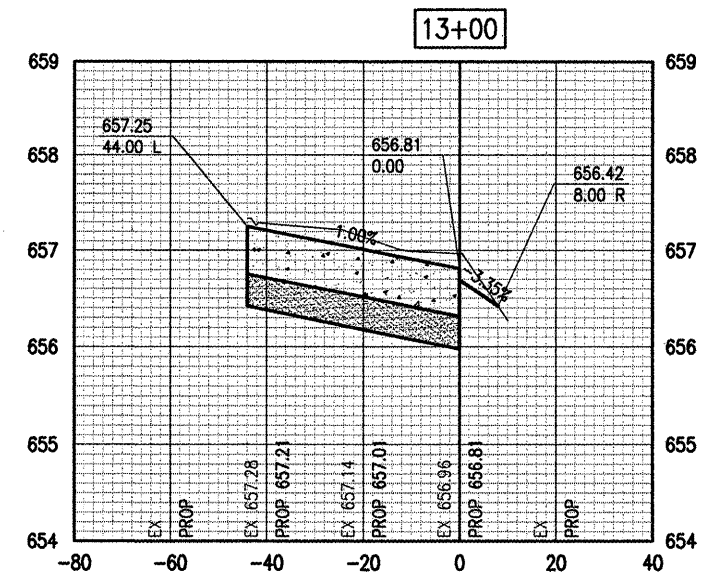
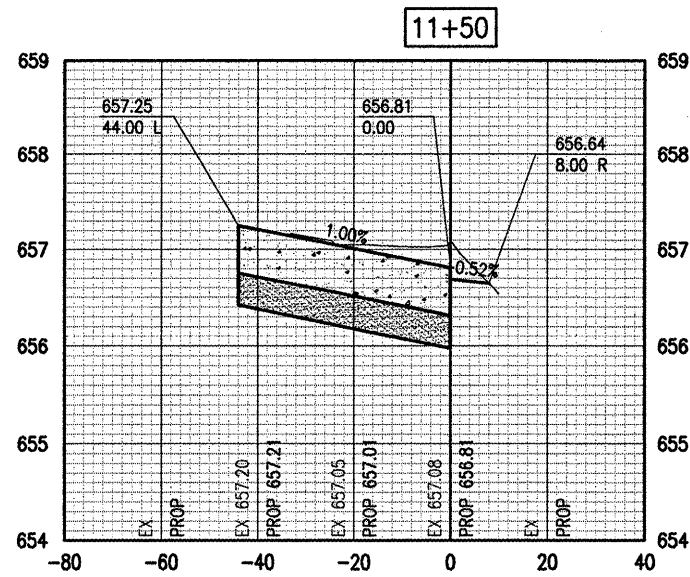
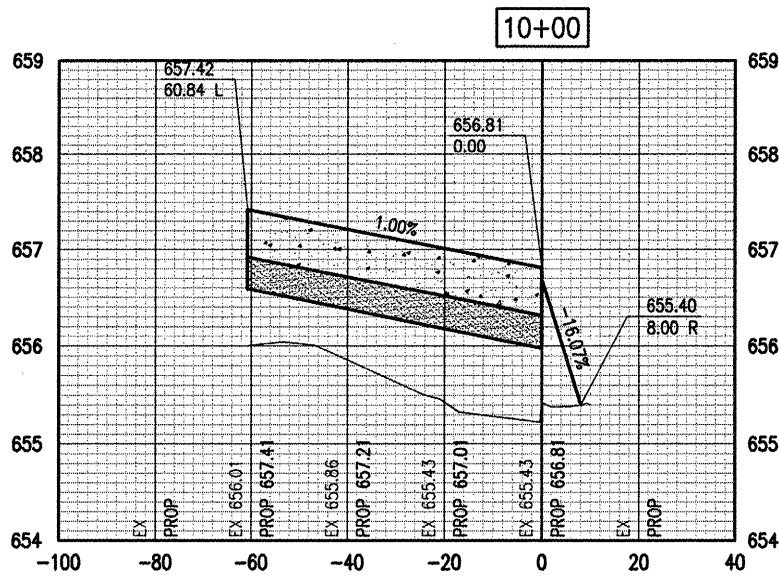
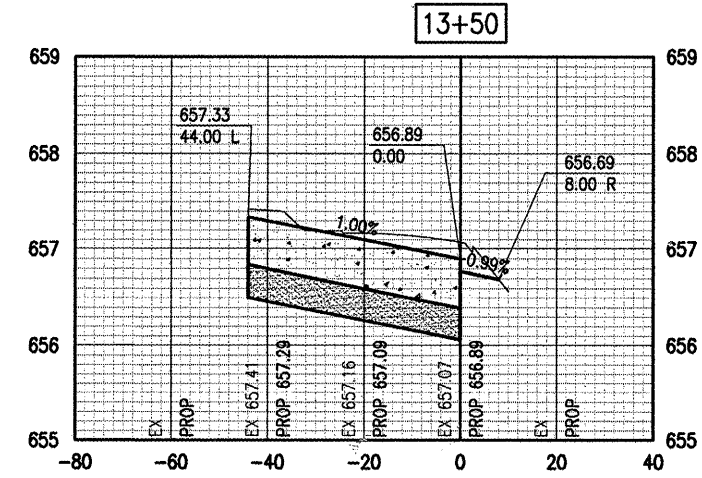
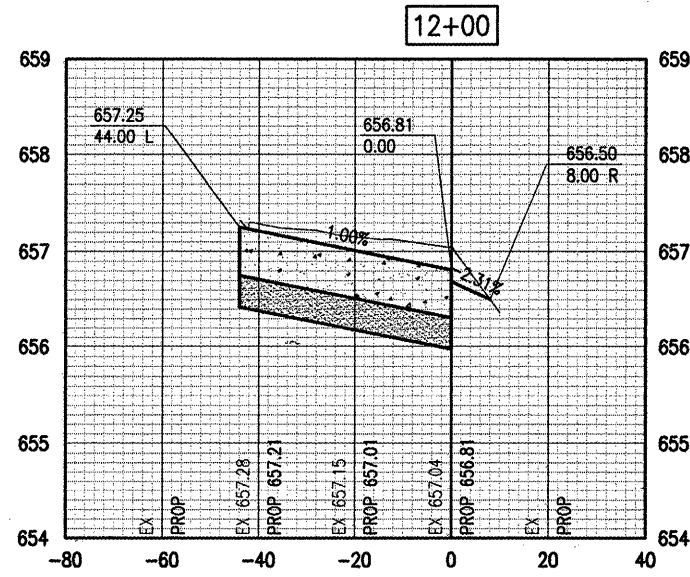
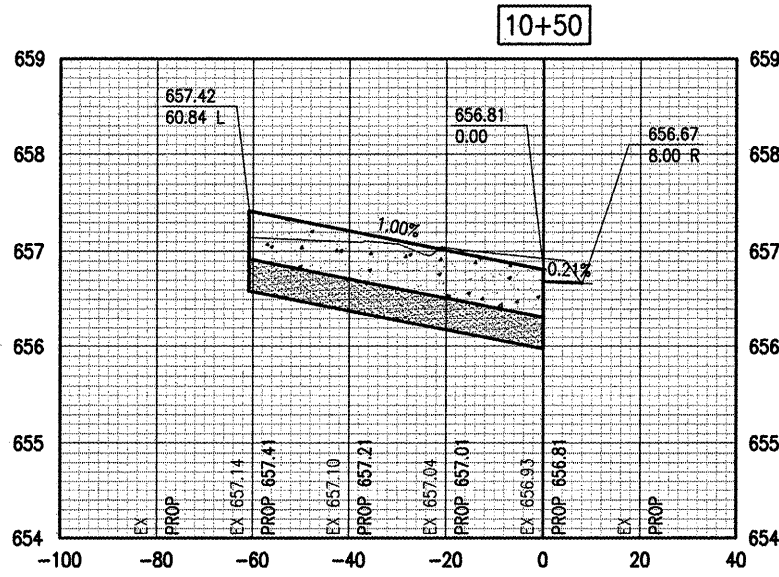
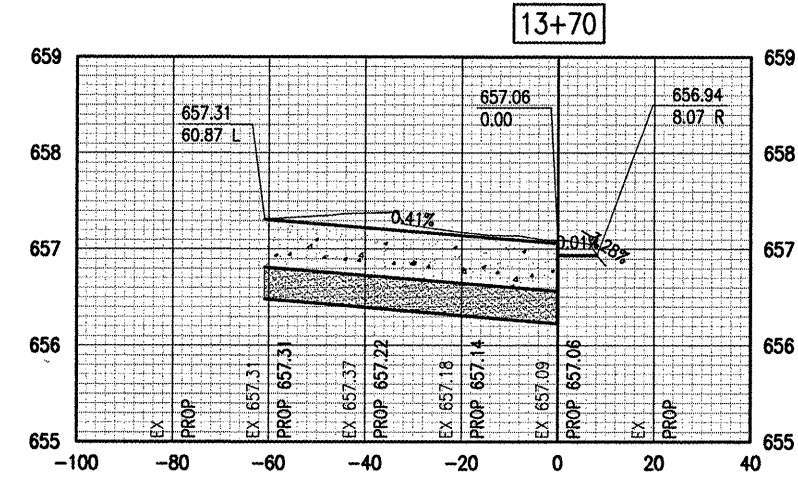
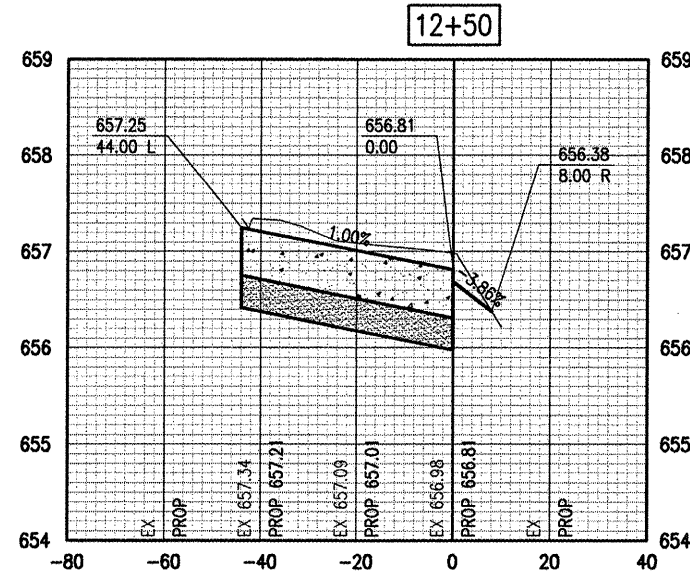
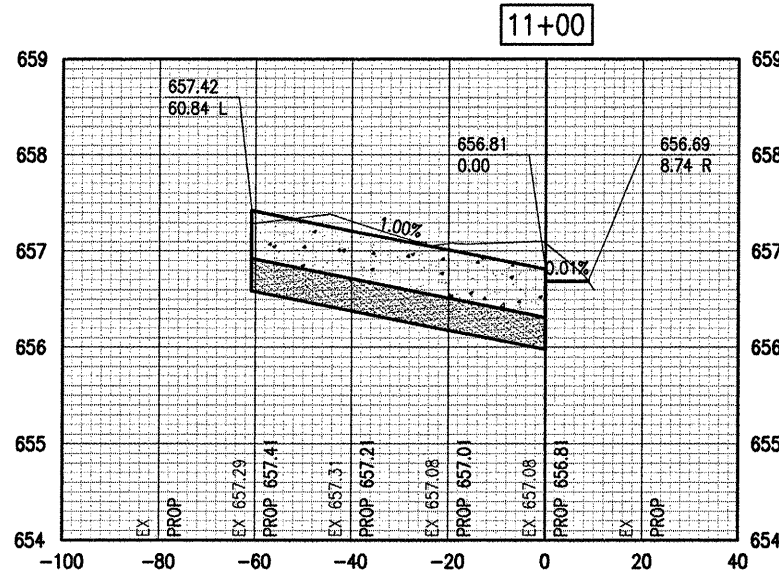
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**REMOVE AND RECONSTRUCT  
 T-HANGAR TAXIWAYS**

PROPOSED CROSS SECTIONS -  
 CENTER ALIGNMENT  
 STA. 10+00 TO STA. 13+99

**NOTES**

- CROSS SECTIONS ARE BASED ON ALTERNATE BID A. ADD 2 INCH CUT FOR ALTERNATE BID B. SURFACE GRADES SHALL REMAIN THE SAME FOR EITHER ALTERNATE.
- ELEVATIONS PROVIDED AT LOCATIONS THAT MATCH EXISTING PAVEMENTS OR BUILDING FLOORS ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED JOINTS FLUSH WITH EXISTING OR AS DETAILED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS AT MATCH POINTS.



DATE	REVISION	BY

EDGAR COUNTY AIRPORT  
 PARIS, ILLINOIS  
 A.I.P. PROJ.: 3-17-0077-B11

LAYOUT	DAK	03/06/09
DRAWN	DAK	03/06/09
REVIEWED	JOW	03/18/09

**HANSON**  
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