

CONSTRUCTION PLANS

FOR

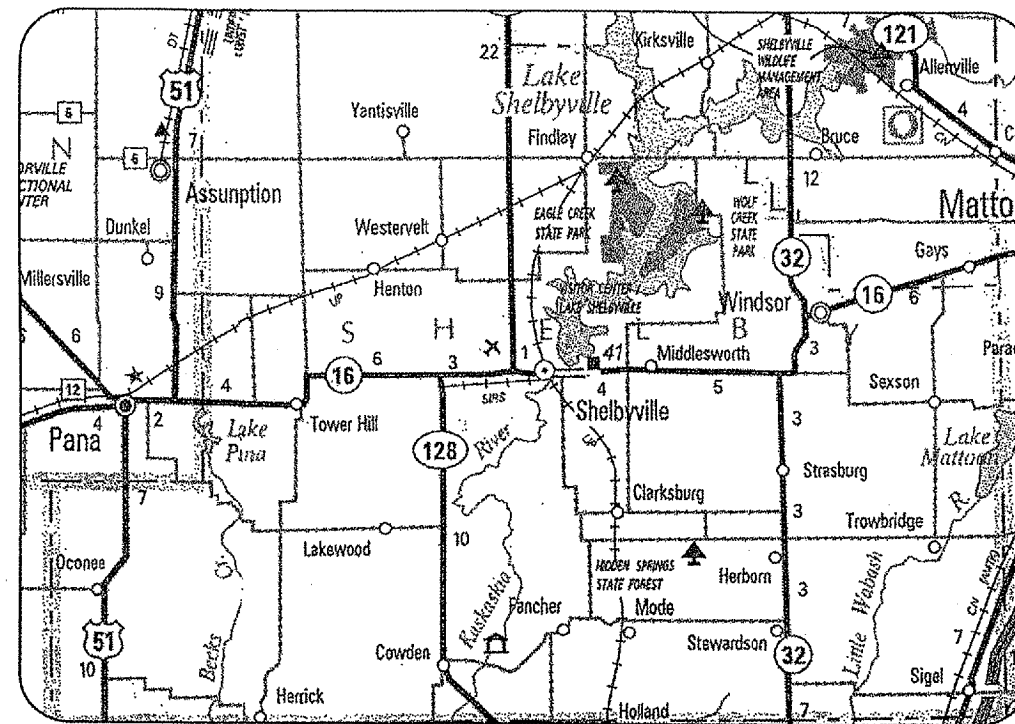
SHELBY COUNTY AIRPORT

SHELBYVILLE, SHELBY COUNTY, ILLINOIS

OVERLAY RUNWAY AND APRON, INSTALL UNDERDRAINS

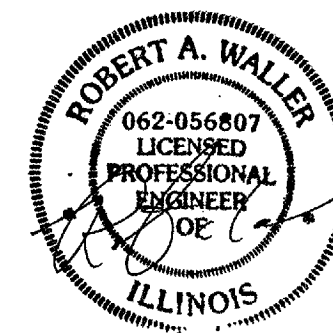
SCOPE OF WORK

THIS PROJECT CONSISTS OF CONSTRUCTING A 3-INCH MIN. BITUMINOUS OVERLAY ON THE AIRCRAFT RAMP, APPLICATION OF A 0.10' POROUS FRICTION COURSE TO RUNWAY 18-36, AND INSTALLATION OF UNDERDRAINS ON TAXIWAYS A AND B. ASSOCIATED WORK WILL INCLUDE PAVEMENT REPAIRS, CRACK CLEANING AND SEALING, PAVEMENT MARKING, TIE DOWN ADJUSTMENTS, INSPECTION HOLE ADJUSTMENTS, INLET ADJUSTMENTS, SHOULDER ADJUSTMENTS, SEEDING, AND PLACEMENT OF EROSION CONTROL BLANKET.



LOCATION

ILL. PROJ.: 2H0-3615
 A.I.P. PROJ.: 3-17-0093-B7
 LATITUDE: 39° 24' 38"
 LONGITUDE: 88° 50' 44"
 ELEVATION: 618' M.S.L.
 DATE: JUNE 23, 2006



Submitted by: ROBERT A. WALLER ENG'R
 Date Submitted: 6-23-06
 Lic. Exp. Date: 11-30-07

**SHELBY COUNTY AIRPORT
AND LANDING FIELD COMMISSION**

Approved: [Signature] PRESIDENT
 Date: 7-6-06
 Approved: [Signature] SECRETARY
 Date: 7/6/06

REVISION	DATE	BY

SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS

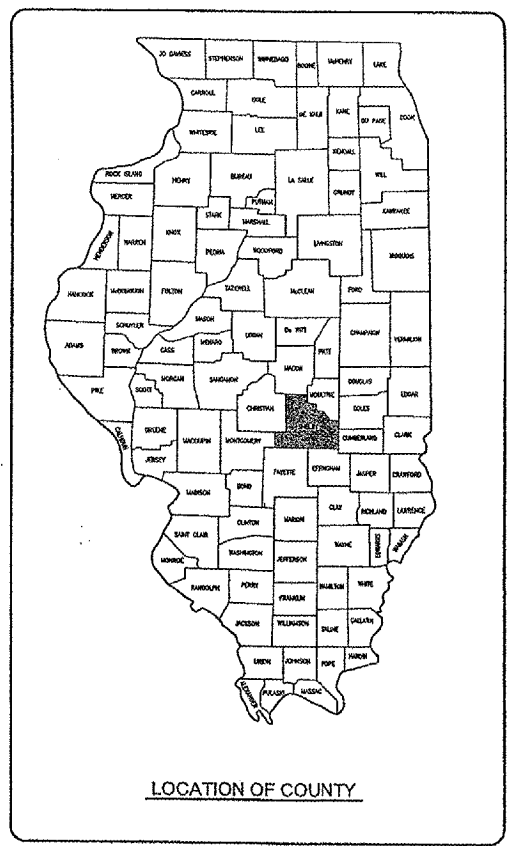
ILL. PROJ.: 2H0-3615
A.I.P. PROJ.: 3-17-0093-B7

Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

OVERLAY RWY. & APN.
INSTALL UNDERDRAINS

COVER SHEET

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SE002

DATE	REVISION	BY

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150540	HAUL ROUTE	L.S.	1	
AR152480	SHOULDER ADJUSTMENT	S.Y.	4,556	
AR156520	INLET PROTECTION	EACH	4	
AR156531	EROSION CONTROL BLANKET	S.Y.	8,435	
AR201660	BITUMINOUS CRACK REPAIR	L.F.	425	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	24,000	
AR401610	BITUMINOUS SURFACE COURSE	TON	1,981	
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	2,082	
AR401910	REMOVE & REPLACE BIT. PAVEMENT	S.Y.	200	
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	35,716	
AR510510	TIE DOWN	EACH	48	
AR510900	REMOVE TIE DOWN	EACH	42	
AR603510	BITUMINOUS TACK COAT	GAL.	11,931	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	21,078	
AR705410	POROUS BACKFILL	C.Y.	1,146	
AR705526	6" PERFORATED UNDERDRAIN W/SOCK	L.F.	6,875	
AR705630	UNDERDRAIN INSPECTION HOLE	EACH	21	
AR705640	UNDERDRAIN CLEANOUT	EACH	5	
AR751909	REMOVE INSPECTION HOLE	EACH	1	
AR751940	ADJUST INLET	EACH	1	
AR751949	ADJUST INSPECTION HOLE	EACH	8	
AR901530	STRIP SEEDING	S.Y.	8,435	

INDEX TO SHEETS

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6	PROPOSED RUNWAY 18-36 CONSTRUCTION PLAN STA. 12+00 TO STA. 35+00
7	PROPOSED RUNWAY 18-36 CONSTRUCTION PLAN STA. 35+00 TO STA. 45+99
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30	PROPOSED TAXIWAY "B" LEFT UNDERDRAIN P&P STA. 19+00 TO STA. 22+17
31	PROPOSED TAXIWAY "B" RIGHT UNDERDRAIN P&P STA. 100+00 TO STA. 103+25
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33	PROPOSED DRAINAGE DETAILS

SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS

IL PROJ.: 240-3615 A.I.P. PROJ.: 3-17-0093-B7

FILE PROJECT No. R-002612.DWG	DATE 05/01/06
SCALE NOT TO SCALE	LAYOUT CCC 05/01/06
	DRAWN CCC 05/01/06
	REVIEWED PAN 05/31/06



OVERLAY RWY. & APN.
INSTALL UNDERDRAINS
SUMMARY OF QUANTITIES
AND
INDEX TO SHEETS

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I:\AIRPORTS\SHELBY\827-08APN\AIRPORT\SHEETS\R-002612.DWG - FLAP-MAIN

SCOPE OF WORK

THIS PROJECT CONSISTS OF CONSTRUCTING A 3-INCH MIN. BITUMINOUS OVERLAY ON THE AIRCRAFT RAMP, APPLICATION OF A 0.10' POROUS FRICTION COURSE TO RUNWAY 18-36, AND INSTALLATION OF UNDERDRAINS ON TAXIWAYS A AND B. ASSOCIATED WORK WILL INCLUDE PAVEMENT REPAIRS, CRACK CLEANING AND SEALING, PAVEMENT MARKING, TIE DOWN ADJUSTMENTS, INSPECTION HOLE ADJUSTMENTS, INLET ADJUSTMENTS, SHOULDER ADJUSTMENTS, SEEDING, AND PLACEMENT OF EROSION CONTROL BLANKET.

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 GRADE, FERTILIZE, SEED AND MULCH THE HAUL ROUTE AND PARKING AREA AS NEEDED TO RESTORE IT 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.

THE CONTRACTOR SHALL KEEP ONE RUNWAY OPEN AT ALL TIMES AND PROVIDE, WHEN POSSIBLE, TAXIWAY ACCESS TO ALL HANGARS AND ADMINISTRATIVE AREAS.

ALL WORK PERFORMED SHALL BE DONE IN A ORDERLY AND EFFECTIVE MANNER TO MINIMIZE RUNWAY CLOSURE.

NO TRENCHES OR HOLES WILL REMAIN OPEN OVERNIGHT WITHIN AN ACTIVE RUNWAY SAFETY AREA, HOWEVER THEY MAY REMAIN OPEN WHEN ADJACENT TO THE TAXIWAY AND OUTSIDE OF THE RUNWAY SAFETY AREA, IF THE TAXIWAY IS CLOSED.

THE CONTRACTOR SHALL MINIMIZE THE LENGTH OF ANY CLOSURE.

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 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.

LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA
- PROPOSED BENCHMARK
- PROPOSED BARRICADES OR TRAFFIC CONES

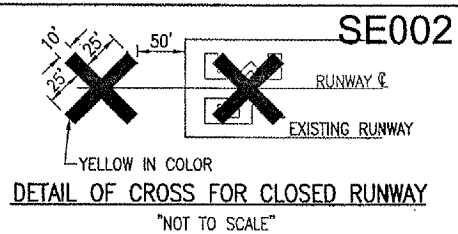
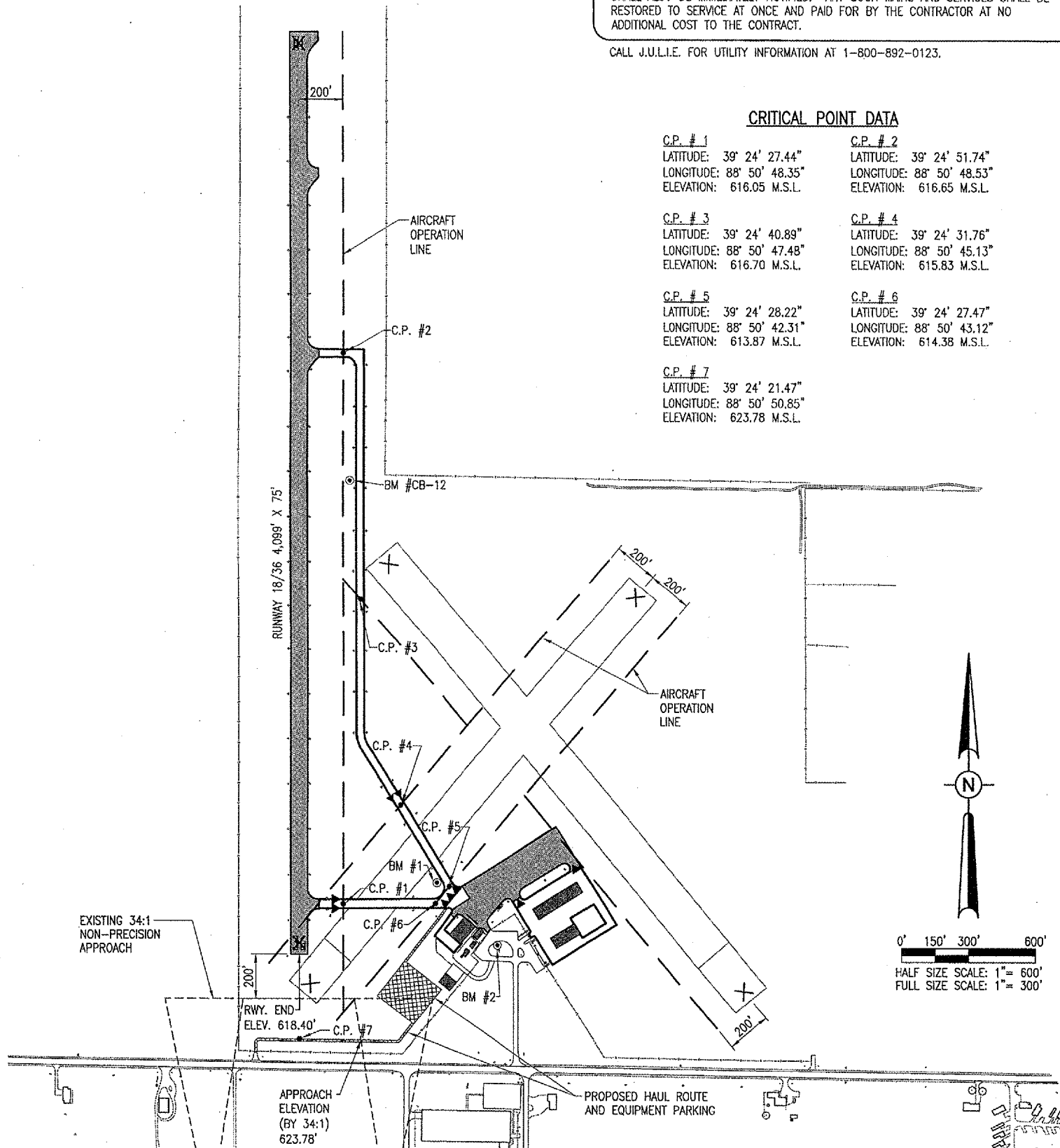
BENCHMARK DATA		
NO.	DESCRIPTION	ELEVATION
BM #1	NW CORNER OF INLET BETWEEN TAXIWAY "A" AND "B"	611.96
BM #2	PAINT DOT ON NORTH FLANGE BOLT OF FIRE HYDRANT APPROXIMATELY 86 FEET SOUTHEAST OF THE MAIN OFFICE BUILDING	615.37
BM #CB-12	CHISELED SQUARE ON TOP OF 12" CONCRETE FLARED END SECTION ON WEST SIDE OF TAXIWAY "B" NEAR NORTHERLY EDGE OF TURF RUNWAY 14-23	614.85

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.

CRITICAL POINT DATA

C.P. #1 LATITUDE: 39° 24' 27.44" LONGITUDE: 88° 50' 48.35" ELEVATION: 616.05 M.S.L.	C.P. #2 LATITUDE: 39° 24' 51.74" LONGITUDE: 88° 50' 48.53" ELEVATION: 616.65 M.S.L.
C.P. #3 LATITUDE: 39° 24' 40.89" LONGITUDE: 88° 50' 47.48" ELEVATION: 616.70 M.S.L.	C.P. #4 LATITUDE: 39° 24' 31.76" LONGITUDE: 88° 50' 45.13" ELEVATION: 615.83 M.S.L.
C.P. #5 LATITUDE: 39° 24' 28.22" LONGITUDE: 88° 50' 42.31" ELEVATION: 613.87 M.S.L.	C.P. #6 LATITUDE: 39° 24' 27.47" LONGITUDE: 88° 50' 43.12" ELEVATION: 614.38 M.S.L.
C.P. #7 LATITUDE: 39° 24' 21.47" LONGITUDE: 88° 50' 50.85" ELEVATION: 623.78 M.S.L.	



NOTE:

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

J.U.L.I.E. INFORMATION

COUNTY: SHELBY
CITY: SHELBYVILLE
TOWNSHIP: T-11-N
RANGE: R-3-E
SECTION NO.: 10,11
ADDRESS: SHELBY COUNTY AIRPORT
RR # 2
SHELBYVILLE, ILLINOIS 62565

PROPOSED SAFETY PLAN

GENERAL - THE SHELBY COUNTY AIRPORT IS COMPRISED OF THREE RUNWAYS. THE PROPOSED CONSTRUCTION WILL NECESSITATE CLOSING ALL RUNWAYS. ANY TIME THE CONTRACTOR IS WORKING WITHIN 200' OF THE RUNWAY CENTERLINE THE RUNWAY WILL BE CLOSED. RUNWAYS 18-36 AND 4-22 WILL ALSO REQUIRE CLOSURE WHEN THE HAUL ROUTE IS IN USE DUE TO THE POTENTIAL OBSTRUCTION OF THE APPROACHES TO RUNWAY ENDS 36 AND 4. THE RUNWAY WILL BE CLOSED ONLY DURING THE CONSTRUCTION DAY. AT THE END OF EACH CONSTRUCTION DAY THE CONTRACTOR WILL ENSURE A SMOOTH GRADE EXISTS IN ALL AREAS WITHIN THE RUNWAY SAFETY AREA TO THE SATISFACTION OF THE RESIDENT ENGINEER AND RE-OPEN THE RUNWAY. ALL WORK INCLUDED IN OPENING AND CLOSING THE RUNWAY 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 SHELBY COUNTY 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.

EROSION CONTROL

THIS PROJECT WILL DISTURB MORE THAN 1 ACRE OF LAND, THEREFORE A N.P.D.E.S. PERMIT WILL BE REQUIRED AND EROSION CONTROL MEASURES IMPLEMENTED, AS DEPICTED ON THE PROPOSED STAKING PLAN.

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.

DATE	REVISION	BY
<p>SHELBY COUNTY AIRPORT SHELBYVILLE, ILLINOIS</p>		
<p>A.I.P. PROJ.: 3-17-0093-B7 IL PROJ.: 240-3615</p>		
<p>HEL Project No. 827-06APN Drawn: R-003SFY.DWG Scale: 1" = 300' Date: 05/01/06</p>	<p>LAYOUT: CCC 05/01/06 DRAWN: CCC 05/01/06 REVIEWED: RAW 05/31/06</p>	<p>HANSON Hanson Professional Services Inc. 1625 South Sixth Street Springfield, Illinois 62703-2886 Chicago, Nationwide</p>
<p>OVERLAY RWY. & APN. INSTALL UNDERDRAINS</p>		
<p>PROPOSED SAFETY PLAN</p>		
<p>3</p>		
<p>3 of 33 sheets</p>		


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RUNWAY 18-36 POROUS FRICTION COURSE OVERLAY

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR152480	SHOULDER ADJUSTMENT	S.Y.	2,834	
AR156531	EROSION CONTROL BLANKET	S.Y.	2,834	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	24,000	
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	752	
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	35,716	
AR603510	BITUMINOUS TACK COAT	GAL.	8,929	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	21,272	
AR901530	STRIP SEEDING	S.Y.	2,834	

SHELB COUNTY AIRPORT SHELBYVILLE, ILLINOIS	DATE	REVISION	BY
ILL. PROJ.: 2HQ-3615 A.I.P. PROJ.: J-17-0093-B7	H&E Project No. 827-06APN File Name: R-003FLP.DWG Scale: NOT TO SCALE Date: 05/01/06	LAYOUT DRAWN REVIEWED	CCC CCC CCC
	05/01/06 05/01/06 05/01/06	18-36 OVERLAY 18-36 OVERLAY	05/01/06 05/01/06 05/01/06
OVERLAY RWY. & APN. INSTALL UNDERDRAINS	SUMMARY OF QUANTITIES FOR RUNWAY 18-36 OVERLAY	 Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2886 Offices Nationwide	4 4 of 33 sheets

BUTT JOINT CONSTRUCTION NOTES

THE PAVEMENT AREAS DESIGNATED AS  ON THESE DRAWINGS SHALL BE CUT OR MILLED TO ACCOMMODATE THE PROPOSED POROUS FRICTION COURSE OVERLAY. THIS ITEM WILL BE COMPLETED AS DETAILED IN THE SPECIAL PROVISIONS.

THE EXISTING PAVEMENT WILL BE SAWS AT THE LOCATIONS SHOWN ON THESE PLANS. THE SAWING WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO "BUTT JOINT CONSTRUCTION" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL MILLED MATERIAL WILL BE DISPOSED OF BY THE CONTRACTOR, OFF THE AIRPORT SITE, UNLESS OTHERWISE DIRECTED BY THE AIRPORT DIRECTOR AT THE TIME OF CONSTRUCTION.

ANY ADJACENT PAVEMENT OR EQUIPMENT THAT IS DAMAGED BY THE MILLING OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE, TO THE SATISFACTION OF THE ENGINEER.

PRIOR TO THE APPLICATION OF THE PFC OVERLAY, ALL MILLED AREAS WILL BE BROOMED AND BLOWN CLEAN OF LOOSE MATERIALS AND DEBRIS. A BITUMINOUS TACK COAT WILL BE APPLIED ACCORDING TO THE SUPPLEMENTAL SPECIFICATIONS FOR ITEM 603 DATED JULY 1, 2004 AT A RATE OF 0.25 GAL/SY. THE VERTICAL FACE OF ALL SAW CUTS WILL BE PAINTED WITH A LIQUID ASPHALT.

THE EXISTING PAVEMENT WILL BE MILLED TO A DEPTH OF 0.10' AT THE BUTT JOINT.

PAYMENT FOR THIS ITEM OF WORK WILL BE UNDER ITEM:
AR401655 "BUTT JOINT CONSTRUCTION" - PER SQUARE YARD.

CLEAN & SEAL BITUMINOUS CRACK NOTES

FOLLOWING A VISUAL SURVEY OF THE EXISTING RUNWAY SURFACE, A PROPOSED PLAN QUANTITY OF 24,000 LINEAR FEET OF CRACK CLEANING AND SEALING WAS ESTABLISHED. THE EXACT AMOUNT OF CRACKS TO BE CLEANED AND SEALED WILL BE THE NUMBER OF LINEAR FEET OF CRACKS MARKED BY THE RESIDENT ENGINEER.

ALL CRACKS DESIGNATED BY THE RESIDENT ENGINEER FOR CLEANING AND SEALING WILL BE DONE SO AS DESCRIBED IN THE RECURRING SPECIAL PROVISIONS, DATED JULY 1 2004.

THIS ITEM OF WORK WILL BE PAID FOR AT THE CONTRACT PRICE PER LINEAR FOOT OF CLEANING AND SEALING CRACKS, COMPLETE, WHICH PRICE AND PAYMENT SHALL CONSTITUTE FULL COMPENSATION FOR ALL ROUTING, CLEANING, PREPARATION AND DISPOSAL OF ALL LOOSE MATERIALS; AND FOR ALL MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM.

PAYMENT FOR THIS ITEM OF WORK WILL BE UNDER ITEM:
AR201661 "CLEAN & SEAL BITUMINOUS CRACKS" - PER LINEAR FOOT.

THRESHOLD LIGHT REMOVAL NOTES

THE CONTRACTOR MAY TEMPORARILY REMOVE THE STAKE MOUNTED THRESHOLD LIGHTS SHOWN ON THIS SHEET AND SHEET 6 FOR ACCESS TO THE RUNWAY ENDS FOR THE MILLING AND PAVING EQUIPMENT.

THE REMOVAL, STORAGE, AND REPLACEMENT OF THE LIGHTS WHEN THE TASK IS COMPLETE, AS WELL AS ANY DAMAGE SUSTAINED IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, WILL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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 EXISTING BITUMINOUS PAVEMENT PRIOR TO THE PLACEMENT OF THE PROPOSED POROUS FRICTION COURSE.

THE PROPOSED BITUMINOUS TACK COAT WILL BE PAID FOR UNDER ITEM:
AR603510 "BITUMINOUS TACK COAT" - PER GALLON

POROUS FRICTION COURSE NOTES

THE PROPOSED POROUS FRICTION COURSE WILL BE CONSTRUCTED IN ONE LAYER, HAVING A COMPACTED NOMINAL THICKNESS OF ONE TENTH OF A FOOT (0.10') IN ACCORDANCE WITH ITEM AR402622 AND THE SPECIAL PROVISIONS.

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

THE SURFACES TO BE OVERLAYED WILL BE SPRAYED WITH AN APPLICATION OF A BITUMINOUS TACK COAT. AN APPLICATION RATE OF 0.25 GAL/S.Y. (DILUTED) WAS USED FOR CALCULATING THE QUANTITY OF TACK FOR THIS APPLICATION. THE EXACT RATE OF APPLICATION WILL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

THE PROPOSED POROUS FRICTION COURSE WILL BE PAID FOR UNDER ITEM
AR402622 "POROUS FRICTION COURSE, 0.10' " - PER SQUARE YARD

SEEDING LIMITS

ALL AREAS WHICH ARE DISTURBED BY THE CONTRACTOR, OUTSIDE OF THE PROPOSED GRADING LIMITS, WILL BE FERTILIZED AND SEEDED IN ACCORDANCE WITH THE REQUIREMENTS OF ITEM AR901530 AT NO ADDITIONAL COST TO THE CONTRACT.

THE SEED BED SHALL BE SMOOTH AND TO GRADE UPON COMPLETION OF THE SEEDING OPERATION. THE CONTRACTOR WILL USE DRAG BARS, HARROWS OR OTHER EQUIPMENT NECESSARY TO OBTAIN THE SMOOTH GRADE TO THE SATISFACTION OF THE RESIDENT ENGINEER.

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

THE PRIME CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATION BETWEEN ALL SUB-CONTRACTORS AS TO THEIR RESPONSIBILITIES PERTAINING TO THE SEEDING OPERATION.

901 SEEDING NOTES

THE PROPOSED SEEDING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 901 "STRIP SEEDING" AS STATED IN THE SPECIAL PROVISIONS.

ALL DISTURBED AREAS LOCATED WITHIN THE PROPOSED GRADING AND SEEDING LIMITS WILL BE SEEDED IN ACCORDANCE WITH THE ABOVE NOTED SPECIFICATION. ALL AREAS OUTSIDE THE DESIGNATED GRADING AND SEEDING LIMITS WILL ALSO BE SEEDED BUT AT THE CONTRACTOR'S OWN EXPENSE.

ALL MATERIALS AND/OR DEBRIS RESULTING FROM THE SEEDING OPERATIONS WILL BE REMOVED FROM THE PAVEMENTS AND MISCELLANEOUS STRUCTURES PRIOR TO OPENING THE RUNWAY.

NO LIME WILL BE REQUIRED.

ANY COMMERCIALY AVAILABLE 12-12-12 FERTILIZER MIXTURE WILL BE APPLIED AT A RATE OF 0.14 POUNDS PER SQUARE YARD.

AN IDOT CLASS 2 ROADSIDE SEED MIXTURE WILL BE PLACED AT A RATE OF 0.04 POUNDS PER SQUARE YARD.

901-3.4 MAINTENANCE OF SEEDED AREAS. DELETE THE SECOND PARAGRAPH OF THIS SECTION AND ADD THE FOLLOWING:

"THE CONTRACTOR WILL BE REQUIRED TO ESTABLISH A GOOD STAND OF GRASS OF UNIFORM COLOR AND DENSITY TO THE SATISFACTION OF THE RESIDENT ENGINEER. IF AT THE TIME WHEN THE CONTRACT HAS BEEN OTHERWISE COMPLETED, IT IS NOT POSSIBLE TO MAKE AN ADEQUATE DETERMINATION OF COLOR, DENSITY, AND UNIFORMITY OF SUCH STAND OF GRASS, THE ITEM OF WORK WILL BE REVIEWED AT A LATER DATE DETERMINED BY THE ILLINOIS DIVISION OF AERONAUTICS."

DATE SEEDING COMPLETED _____

THE AREA OF THE SHOULDER ADJUSTMENT (2,834 S.Y.) IS THE AREA BEING SEEDED.

THE PROPOSED SEEDING WILL BE PAID FOR UNDER ITEMS:
AR901530 "STRIP SEEDING" _____ 2,834 S.Y.

SHOULDER ADJUSTMENT NOTE

SE002

THE GRADING WILL HAVE A 1-1/2" DROP FROM THE PAVEMENT EDGE AND TAPERING TO THE EXISTING GROUND IN THE DISTANCE SHOWN ON THIS SHEET. THE EARTH FILLETS WILL NOT REQUIRE COMPACTING OR GRADING, OTHER THAN LIGHT ROLLING AND SHAPING. THE MATERIAL FOR THE PROPOSED EARTH FILLETS WILL BE OBTAINED FROM OFF-SITE.

THE EXISTING SHOULDER AREA WILL BE MOWED AND DISKED PRIOR TO PLACING THE TOPSOIL MATERIAL. THE AREA WILL BE DISKED UNTIL THE SOD HAS BEEN COMPLETELY CUT UP. ANY CHUNKS OF SOD WILL BE REMOVED PRIOR TO THE PLACEMENT OF THE TOPSOIL MATERIAL.

THE CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS WHEN HAULING BORROW MATERIAL SO AS NOT TO CREATE RUTS IN ADJACENT EARTH AREAS. ALL EXISTING GRADED OR TURFED AREAS OUTSIDE THE GRADING LIMITS WHICH ARE DISTURBED OR RUTTED BY THE CONTRACTOR DURING THE HAULING OPERATION SHALL BE REGRADED AND RETURFED AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.

THE MATERIAL FOR THE PROPOSED EARTH FILLETS WILL BE PAID FOR UNDER ITEM:
AR152480 "SHOULDER ADJUSTMENT" PER SQUARE YARDS.

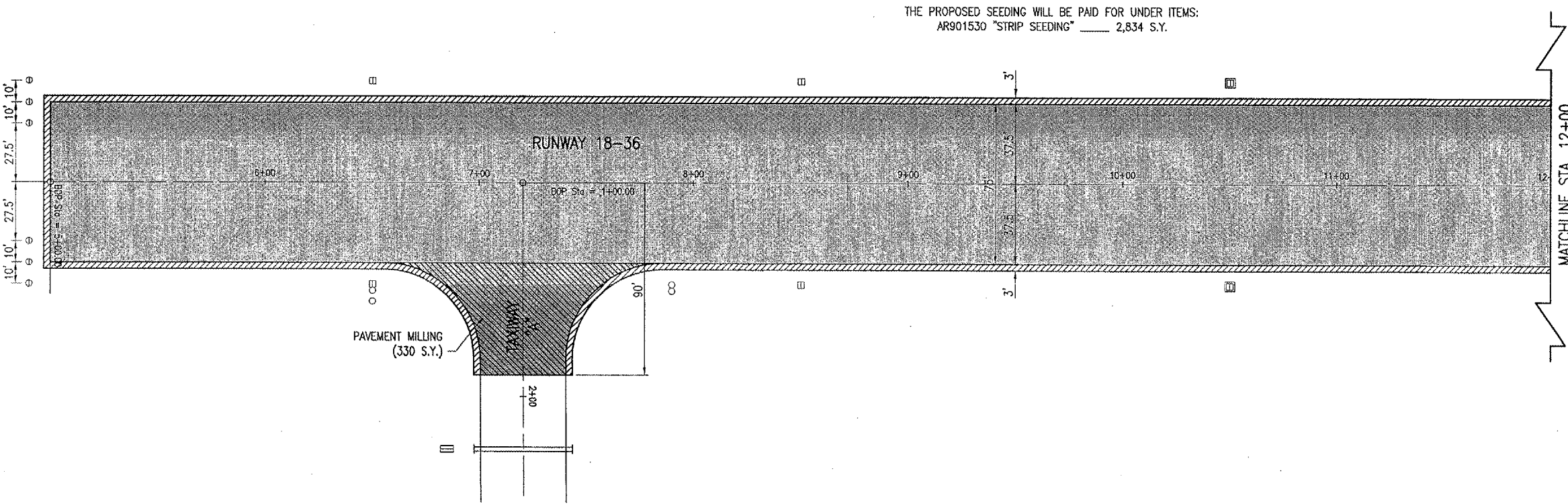
QUANTITY OF SHOULDER ADJUSTMENT _____ 2,834 S.Y.

EXCELSIOR BLANKET NOTES




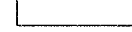
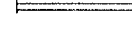





AN EROSION CONTROL MATERIAL (EXCELSIOR BLANKET) WILL BE INSTALLED AT THE LOCATIONS SHOWN ON THIS SHEET AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM
AR156531 "EROSION CONTROL BLANKET" _____ 2,834 S.Y.

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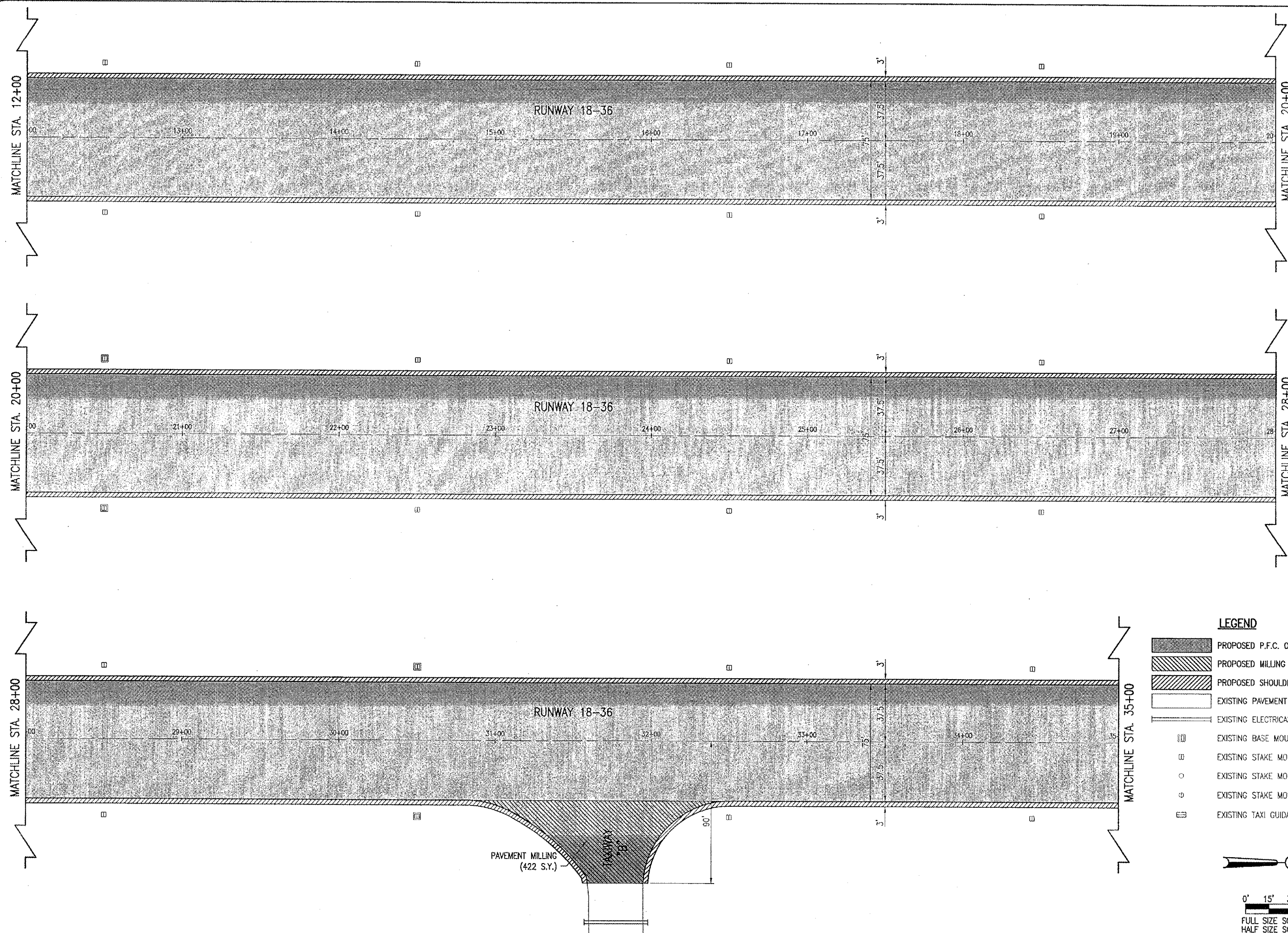
LEGEND

-  PROPOSED P.F.C. OVERLAY
-  PROPOSED MILLING LIMITS
-  PROPOSED SHOULDER ADJUSTMENT
-  EXISTING PAVEMENT
-  EXISTING ELECTRICAL DUCT
-  EXISTING BASE MOUNT RUNWAY LIGHT
-  EXISTING STAKE MOUNT RUNWAY LIGHT
-  EXISTING STAKE MOUNT TAXIWAY LIGHT
-  EXISTING STAKE MOUNT THRESHOLD LIGHT
-  EXISTING TAXI GUIDANCE SIGN

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

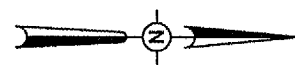
DATE	REVISION	BY																
<p>SHELBY COUNTY AIRPORT SHELBYVILLE, ILLINOIS</p>																		
<p>ILL. PROJ.: 2HQ-3615 A.I.P. PROJ.: 3-17-093-87</p>																		
<p>HEL Project No. 827-06APN Drawing: R-122CON.DWG Scale: 1" = 30' Date: 05/01/06</p> <table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td>LAYOUT</td> <td>CCC</td> <td>05/01/06</td> </tr> <tr> <td>DRAWN</td> <td>CCC</td> <td>05/01/06</td> </tr> <tr> <td>REVIEWED</td> <td>RAW</td> <td>05/31/06</td> </tr> </table>										LAYOUT	CCC	05/01/06	DRAWN	CCC	05/01/06	REVIEWED	RAW	05/31/06
LAYOUT	CCC	05/01/06																
DRAWN	CCC	05/01/06																
REVIEWED	RAW	05/31/06																
<p>HANSON Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2886 Offices Nationwide</p>																		
<p>OVERLAY RWY. & APN. INSTALL UNDERDRAINS</p> <p>PROPOSED RUNWAY 18-36 CONSTRUCTION PLAN STA. 5+00 TO 12+00</p>																		
<p>5</p> <p>5 of 33 sheets</p>																		

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SE002

- LEGEND**
- PROPOSED P.F.C. OVERLAY
 - PROPOSED MILLING LIMITS
 - PROPOSED SHOULDER ADJUSTMENT
 - EXISTING PAVEMENT
 - EXISTING ELECTRICAL DUCT
 - EXISTING BASE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT TAXIWAY LIGHT
 - EXISTING STAKE MOUNT THRESHOLD LIGHT
 - EXISTING TAXI GUIDANCE SIGN



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

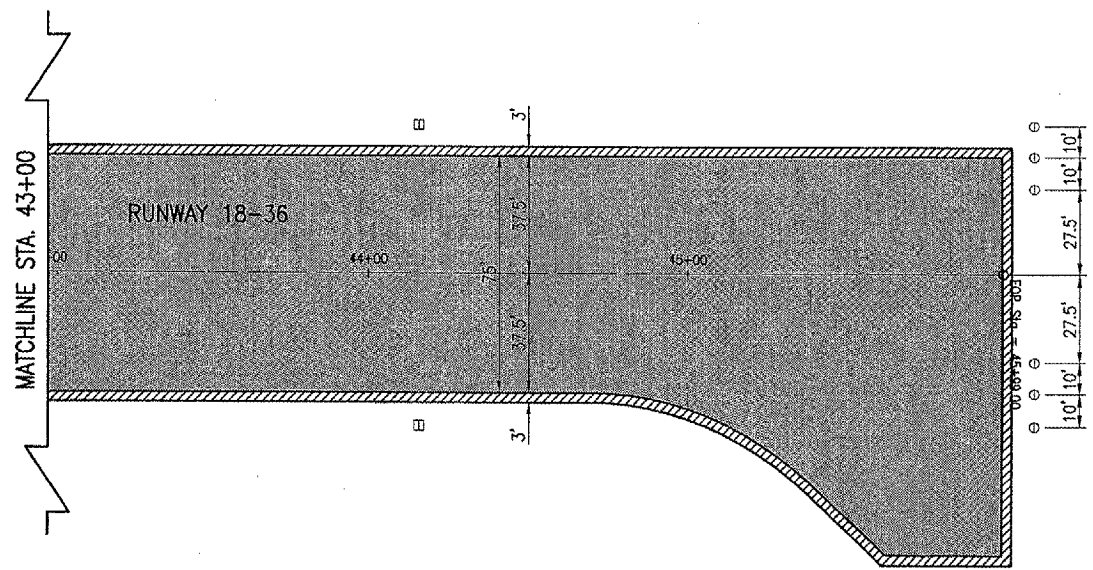
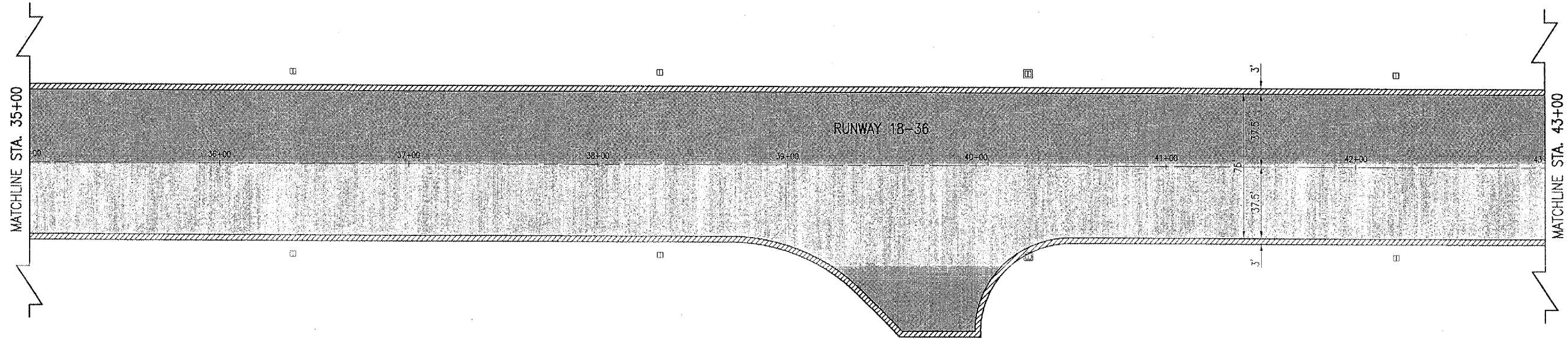
DATE	REVISION	BY

SHELBY COUNTY AIRPORT
 SHELBYVILLE, ILLINOIS
 I.L. PROJ.: 21Q-3615 A.I.P. PROJ.: 3-17-0093-B7

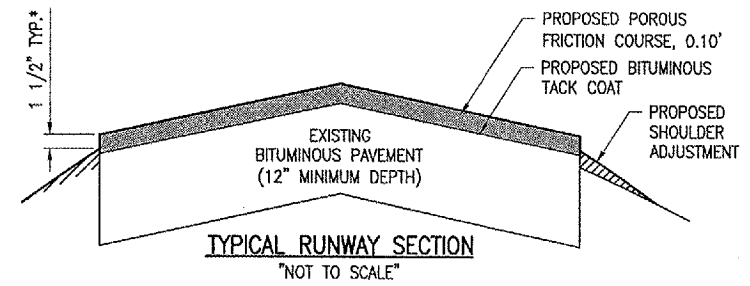
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827-06APN	R-122CON.DWG	1" = 30'	05/01/06	CCC	CCC	RAW



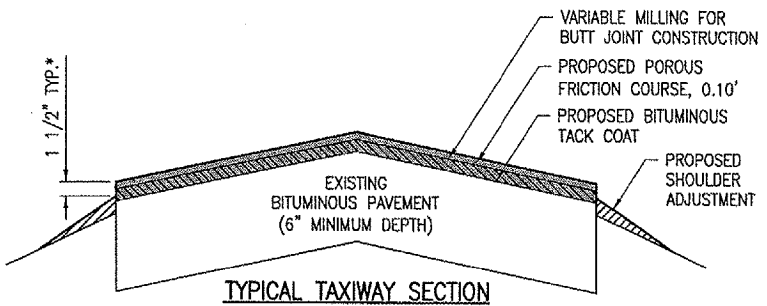
OVERLAY RWY. & APN,
 INSTALL UNDERDRAINS
 PROPOSED RUNWAY 18-36
 CONSTRUCTION PLAN
 STA. 12+00 TO 35+00



SUMMARY OF QUANTITIES				
ITEM	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR152480	SHOULDER ADJUSTMENT	S.Y.	2,834	
AR156531	EROSION CONTROL BLANKET	S.Y.	2,834	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	24,000	
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	752	
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	35,716	
AR603510	BITUMINOUS TACK COAT	GAL.	8,929	
AR901530	STRIP SEEDING	S.Y.	2,834	

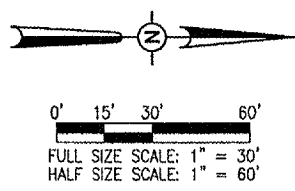


* FOLLOWING LIGHT ROLLING AND ANTICIPATED SETTLEMENT



* FOLLOWING LIGHT ROLLING AND ANTICIPATED SETTLEMENT

- LEGEND**
- PROPOSED P.F.C. OVERLAY
 - PROPOSED MILLING LIMITS
 - PROPOSED SHOULDER ADJUSTMENT
 - EXISTING PAVEMENT
 - EXISTING ELECTRICAL DUCT
 - EXISTING BASE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT TAXIWAY LIGHT
 - EXISTING STAKE MOUNT THRESHOLD LIGHT
 - EXISTING TAXI GUIDANCE SIGN



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DATE	REVISION	BY

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IL. PROJ.: 240-3615 A.I.P. PROJ.: 3-17-0093-B7

HEI Project No. 827-06APN	LAYOUT	CCC	05/01/06
Filename: R-122CON.DWG	DRAWN	CCC	05/01/06
Scale: 1" = 30'	REVIEWED	RAW	05/31/06
Date: 05/01/06			



OVERLAY RWY. & APN.
INSTALL UNDERDRAINS
PROPOSED RUNWAY 18-36
CONSTRUCTION PLAN
STA. 35+00 TO 45+99

MARKING NOTES

ALL RUNWAY NUMERALS, CENTERLINE STRIPES, AND THRESHOLD STRIPES SHALL BE SOLID AND WHITE IN COLOR.

ALL TAXIWAY CENTERLINE MARKING SHALL BE 1' IN WIDTH, SOLID AND YELLOW IN COLOR. ALL MARKING WILL BE AS DETAILED.

ALL MARKING WILL HAVE A REFLECTIVE MEDIA. APPLICATION RATES WILL BE IN ACCORDANCE WITH THE SUPPLEMENTAL SPECIFICATIONS.

THE REFLECTIVE MEDIA WILL BE APPLIED DURING THE SECOND APPLICATION OF PAINT.

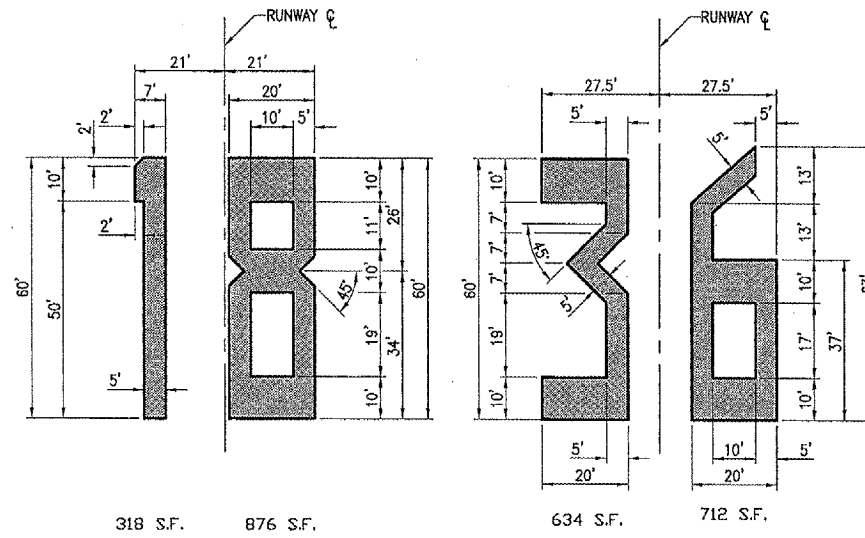
"CUT-OFF" SHEETS SHALL BE USED TO INSURE STRAIGHT EDGES.

NUMERALS ARE HORIZONTALLY SPACED 15 FEET APART.

ALL DIMENSIONS ARE EXPRESSED IN INCREMENTS OF FEET.

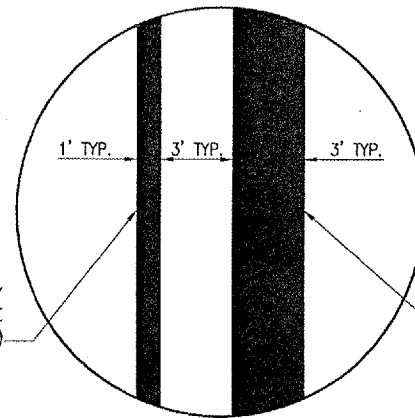
DOUBLE DIGIT NUMERAL DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE BASED ON THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS.

THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM:
AR620520 "PAVEMENT MARKING-WATERBORNE" PER S.F.

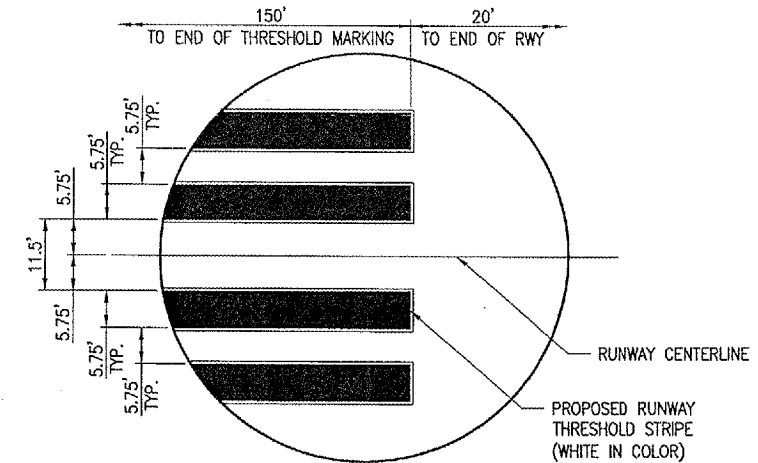


RUNWAY NUMERAL 18 DETAIL
"NOT TO SCALE"

RUNWAY NUMERAL 36 DETAIL
"NOT TO SCALE"

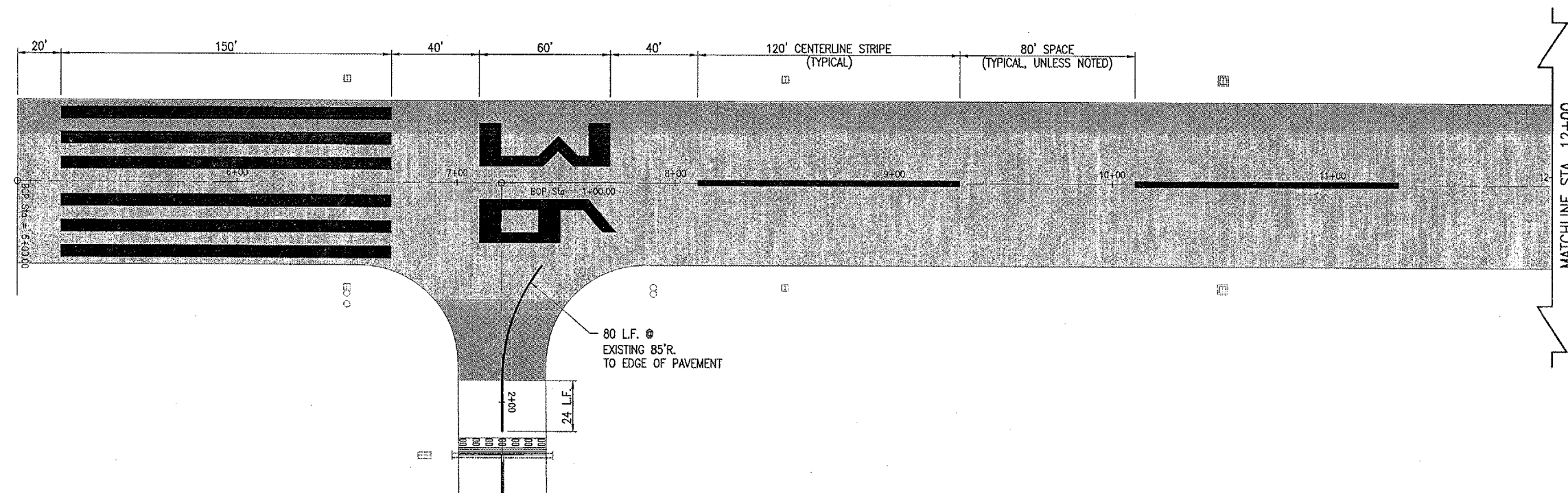


TAXIWAY CENTERLINE LEAD-IN DETAIL
"NOT TO SCALE"



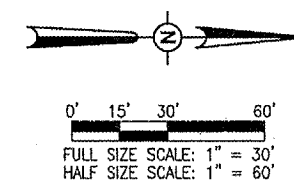
THRESHOLD STRIPE DETAIL
"NOT TO SCALE"

RUNWAY MARKING QUANTITIES	
YELLOW MARKING: AR620520	TOTAL AREA (S.F.)
TAXIWAY CENTERLINES & LEAD-IN STRIPES	747
TOTAL YELLOW:	747
WHITE MARKING: AR620520	TOTAL AREA (S.F.)
RUNWAY CENTERLINE STRIPE - 3'x120' (x14)	5,040
RUNWAY CENTERLINE STRIPE - 3'x115' (x4)	1,680
RUNWAY NUMERAL 1	318
RUNWAY NUMERAL 3	634
RUNWAY NUMERAL 6	712
RUNWAY NUMERAL 8	876
THRESHOLD STRIPES	10,350
TOTAL WHITE:	19,607
TOTAL MARKING:	20,354



LEGEND

- EXISTING PAVEMENT
- PROPOSED P.F.C. OVERLAY
- EXISTING MARKING
- PROPOSED MARKING
- EXISTING ELECTRICAL DUCT
- EXISTING BASE MOUNT RUNWAY LIGHT
- EXISTING STAKE MOUNT RUNWAY LIGHT
- EXISTING STAKE MOUNT TAXIWAY LIGHT
- EXISTING STAKE MOUNT THRESHOLD LIGHT
- EXISTING TAXI GUIDANCE SIGN



SE002

DATE	REVISION	BY

SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS

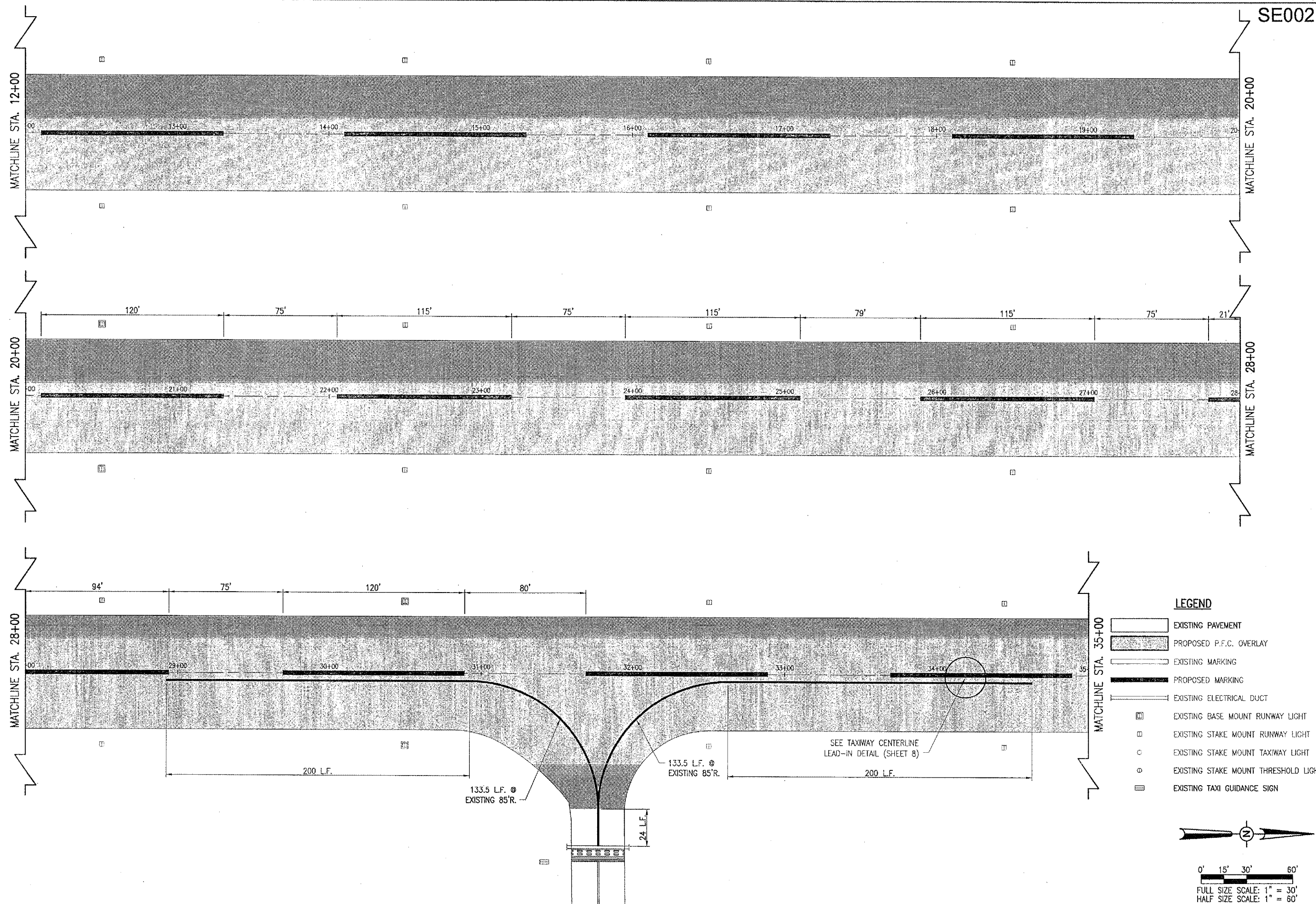
DATE	REVISION	BY
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05/01/06	CCC	CCC
05/31/06	RAW	RAW

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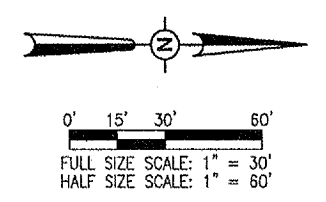
OVERLAY RWY. & APN.
INSTALL UNDERDRAINS
PROPOSED RUNWAY 18-36
MARKING PLAN
STA. 5+00 TO STA. 12+00

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- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED P.F.C. OVERLAY
 - EXISTING MARKING
 - PROPOSED MARKING
 - EXISTING ELECTRICAL DUCT
 - EXISTING BASE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT TAXIWAY LIGHT
 - EXISTING STAKE MOUNT THRESHOLD LIGHT
 - EXISTING TAXI GUIDANCE SIGN



SE002

DATE	REVISION	BY

SHELBY COUNTY AIRPORT
 SHELBYVILLE, ILLINOIS

IL PROJ.: 2HQ-3615 A.I.P. PROJ.: 3-17-0093-B7

Project No.	827-06APN
Filename	R-152MRK.DWG
Scale	1" = 30'
Date	05/01/06
LAYOUT	CCC 05/01/06
DRAWN	CCC 05/01/06
REVIEWED	RAW 05/31/06

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 Springfield, IL 62761
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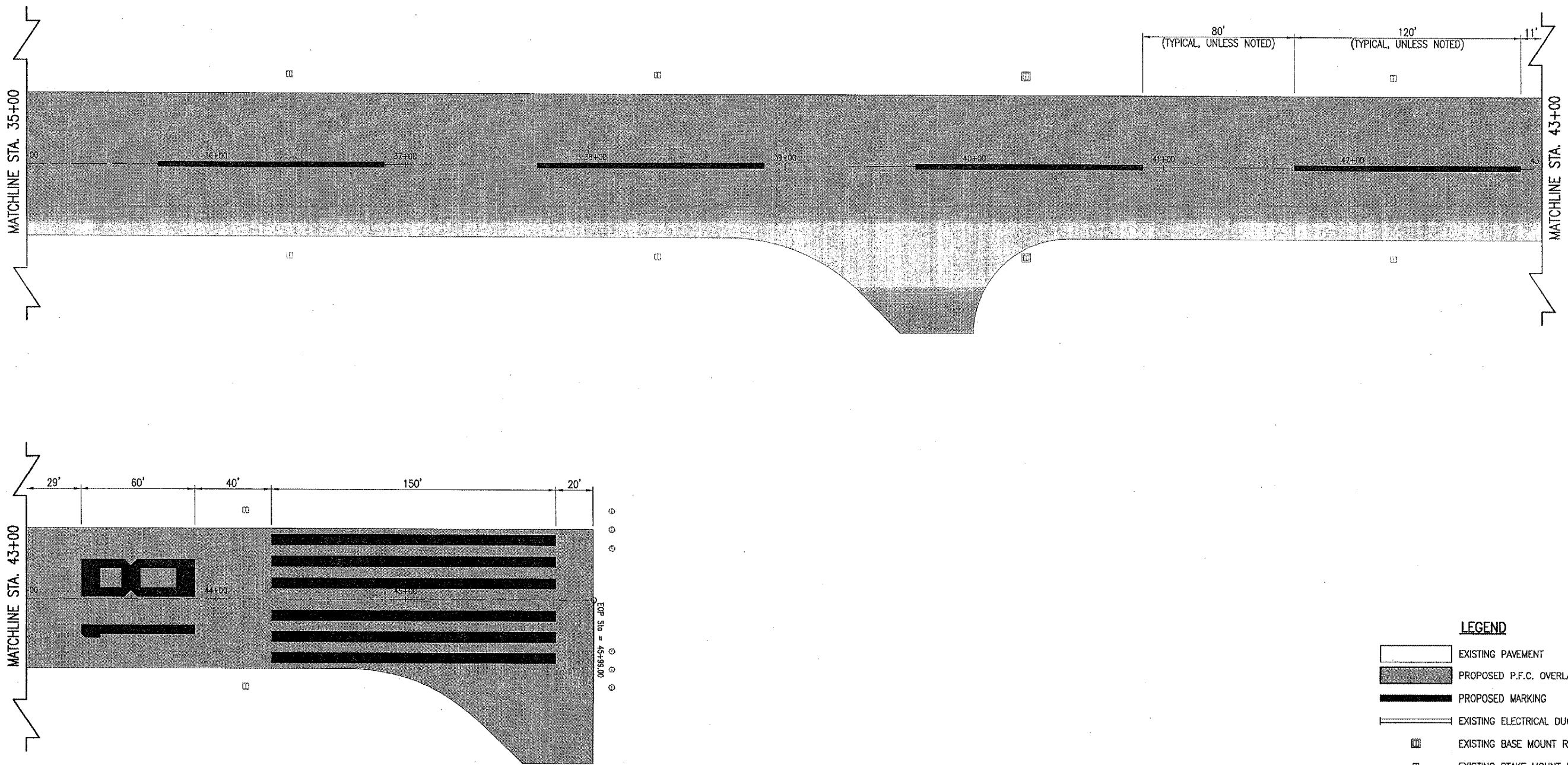
OVERLAY RWY. & APN.
 INSTALL UNDERDRAINS

PROPOSED RUNWAY 18-36
 MARKING PLAN

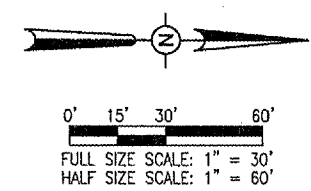
STA. 12+00 TO STA. 35+00

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SE002



- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED P.F.C. OVERLAY
 - PROPOSED MARKING
 - EXISTING ELECTRICAL DUCT
 - EXISTING BASE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT TAXIWAY LIGHT
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 - EXISTING TAXI GUIDANCE SIGN



DATE	REVISION	BY

SHelBY COUNTY AIRPORT
 SHelBYVILLE, ILLINOIS
 I.L. PROJ.: 2HQ-3615 A.I.P. PROJ.: 3-17-0093-87

USE Project No. 827-06APN	
Drawn: R-152MRK.DWG	
Scale: 1" = 30'	
Date: 05/01/06	
LAYOUT	CCC 05/01/06
DRAWN	CCC 05/01/06
REVIEWED	RAW 05/31/06

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OVERLAY Rwy. & APN.
 INSTALL UNDERDRAINS
 PROPOSED RUNWAY 18-36
 MARKING PLAN
 STA. 35+00 TO STA. 45+99

CONSTRUCT A BITUMINOUS OVERLAY ON THE APRON

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR152480	SHOULDER ADJUSTMENT	S.Y.	1,722	
AR201660	BITUMINOUS CRACK REPAIR	L.F.	425	
AR401610	BITUMINOUS SURFACE COURSE	TON	1,981	
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	1,330	
AR401910	REMOVE & REPLACE BIT. PAVEMENT	S.Y.	200	
AR510510	TIE DOWN	EACH	48	
AR510900	REMOVE TIE DOWN	EACH	42	
AR603510	BITUMINOUS TACK COAT	GAL.	3,002	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	724	
AR751940	ADJUST INLET	EACH	1	
AR901530	STRIP SEEDING	S.Y.	2,545	
AR156531	EROSION CONTROL BLANKET	S.Y.	2,545	

DATE	REVISION	BY

SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS

ILL. PROJ.: 2HQ-3615 A.I.P. PROJ.: 3-17-0093-B7

HEL Project No. 827-06APN	CCC	05/01/06
Filename R-004FLP.DWG	CCC	05/01/06
Scale NOT TO SCALE	CCC	05/01/06
Date 05/01/06	CCC	05/01/06
LAYOUT	CCC	05/01/06
DRAWN	CCC	05/01/06
REVISIONS	Y 18-36	05/01/06



OVERLAY RWY. & APN.
INSTALL UNDERDRAINS

SUMMARY OF QUANTITIES
FOR
APRON OVERLAY

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 BITUMINOUS SURFACE COURSE (1-1/2 INCH DEPTH, AVERAGE OVERLAY OF 3") ON THE PROPOSED POROUS FRICTION COURSE FOR THE PROPOSED APRON RECONSTRUCTION.

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

401-4.9 ADD THE FOLLOWING TO THIS SECTION:

ALL LANES OF THE BITUMINOUS SURFACE COURSE SHALL BE STARTED AT THE HIGH SIDE OF THE PAVEMENT WITH A TAUT STRINGLINE (GUIDE WIRE) SET TO GRADE AT BOTH SIDES OF THE PAVER. THE AUTOMATIC GRADE CONTROL SYSTEM OF THE PAVER SHALL BE USED TO CONTROL GRADE OF BOTH SIDES OF THE PAVER FROM THESE REFERENCE STRINGLINES. THE GRADE CONTROL FOR THE ADJACENT LANES OF PAVEMENT SHALL BE MAINTAINED BY USING A MATCHING SHOE WITH THE PREVIOUS LAID PAVEMENT AND A STRINGLINE ON THE OUTER EDGE OF THE NEXT LANE.

A STRINGLINE AND MATCHING SHOE SHALL BE USED TO PAVE ALL REMAINING LANES OF THE FIRST LIFT OF THE SURFACE COURSE. IF GRADE IS ESTABLISHED ON THE FIRST LIFT, THEN THE REMAINING LIFTS OF BITUMINOUS SURFACE COURSE SHALL BE LAID WITH A TRAVELING SKI ON BOTH SIDES OF THE PAVER FOR THE FIRST LANE AND A MATCHING SHOE AND TRAVELING SKI ON ADJACENT LANES. IF GRADE IS NOT ESTABLISHED ON THE FIRST LIFT, THE RESIDENT ENGINEER SHALL REQUIRE TAUT STRINGLINE REFERENCES UNTIL SATISFACTORY GRADE IS ESTABLISHED.

401-BITUMINOUS SURFACE COURSE NOTES (CONT.)

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.

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.

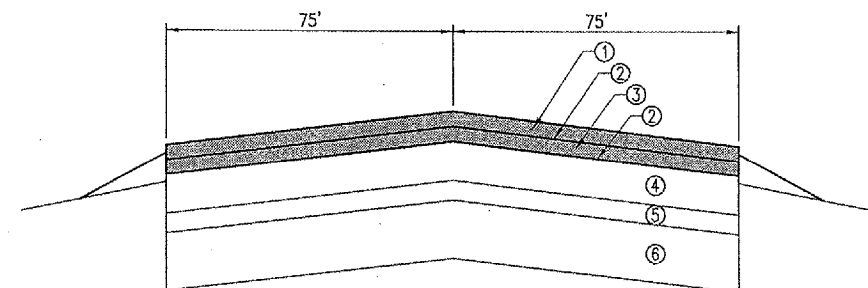
THE PROPOSED BITUMINOUS TACK COAT SHALL BE PLACED ON THE EXISTING AND THE PROPOSED BITUMINOUS PAVEMENT PRIOR TO THE PLACEMENT OF THE NEXT LIFT OF PROPOSED BITUMINOUS SURFACE COURSE.

THE PROPOSED BITUMINOUS TACK COAT WILL BE PAID FOR UNDER ITEM: AR603510 "BITUMINOUS TACK COAT" - PER GALLON

LEGEND - (TYPICAL SECTIONS)

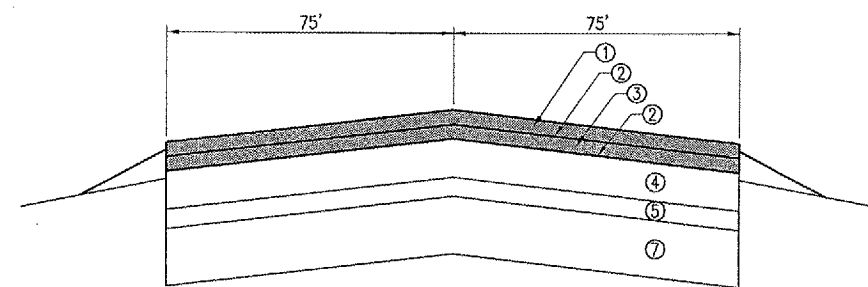
- ① PROPOSED (401610) BITUMINOUS SURFACE COURSE - 1.5" NOMINAL DEPTH
- ② PROPOSED (603510) BITUMINOUS TACK COAT (BETWEEN LIFTS)
- ③ PROPOSED (401610) BITUMINOUS SURFACE COURSE - 1.5" VARIABLE DEPTH
- ④ EXISTING (401) BITUMINOUS SURFACE COURSE - 4"
- ⑤ EXISTING (201) BITUMINOUS BASE COURSE - 6"
- ⑥ EXISTING (209) AGGREGATE BASE COURSE - 6"

SUMMARY OF QUANTITIES				
ITEM	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR401610	BITUMINOUS SURFACE COURSE	TON	1,981	
AR603510	BITUMINOUS TACK COAT	GAL	3,002	



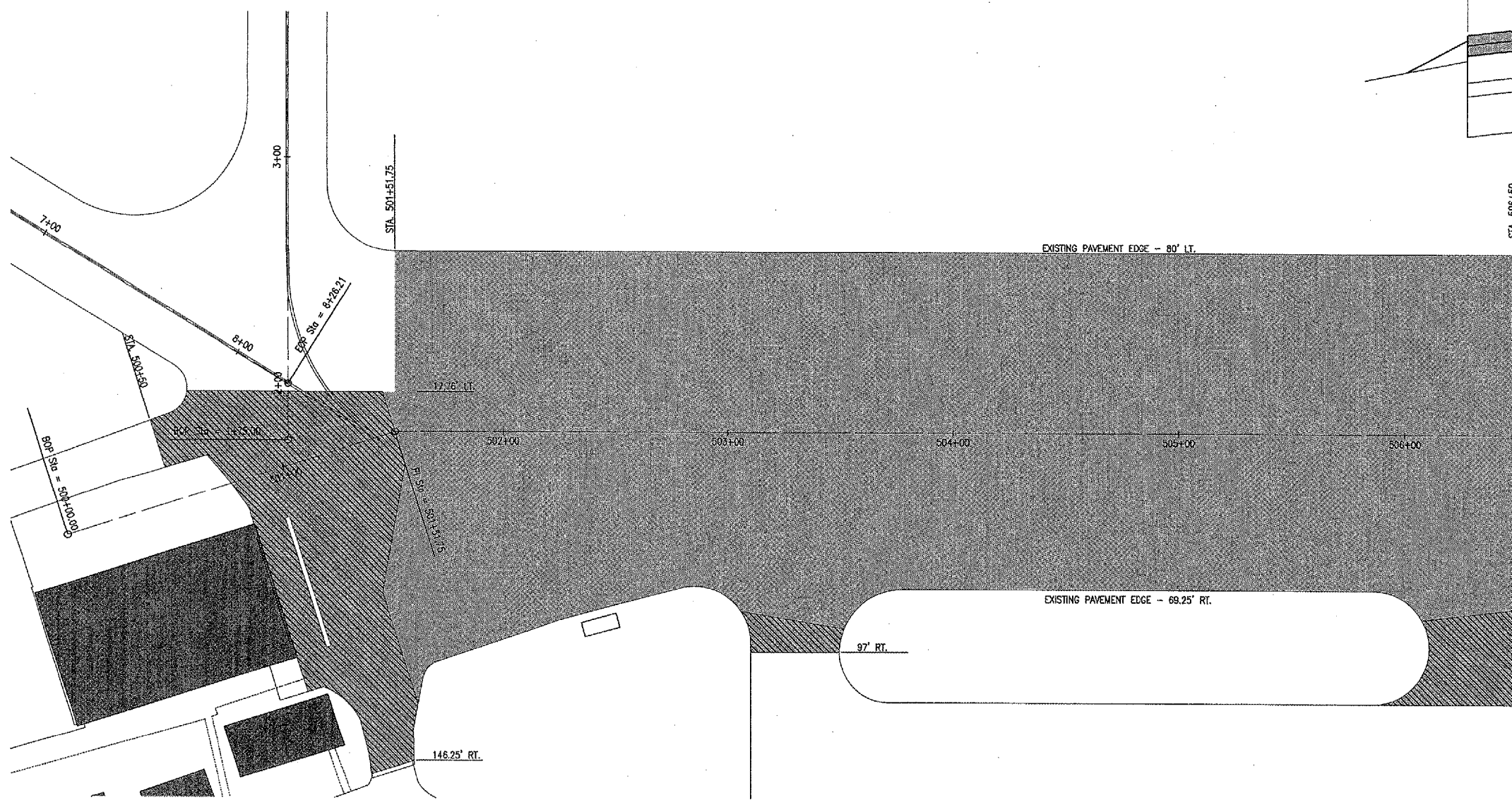
PROPOSED TYPICAL SECTION

"NOT TO SCALE"
STA. 500+50 TO STA. 504+10

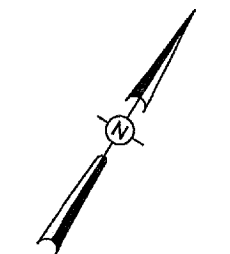


PROPOSED TYPICAL SECTION

"NOT TO SCALE"
STA. 504+10 TO STA. 506+50



LEGEND	
[Solid Grey Box]	PROPOSED BITUMINOUS SURFACE COURSE
[Hatched Box]	PROPOSED SHOULDER ADJUSTMENT
[White Box]	EXISTING PAVEMENT
[Dark Grey Box]	EXISTING BUILDING



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

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REVISION	DATE	BY

SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0083-87
IL PROJ.: 2HQ-3615

Project No. B27-06APN	Date 05/01/06
Filename R-121CON.DWG	CCO 05/01/06
Scale 1" = 30'	CCC 05/01/06
Date 05/01/06	RAW 05/31/06
LAYOUT	
DRAWN	
REVIEWED	

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62705-2886
Chicago, Illinois

OVERLAY RWY. & APN.
INSTALL UNDERDRAINS
PROPOSED APRON
CONSTRUCTION
PLAN

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.

TIE DOWN REMOVAL NOTES

THE EXISTING TIE DOWNS LOCATED IN THE AREAS TO BE OVERLAID WILL BE REMOVED AND DISPOSED OF OFF THE AIRPORT SITE.

THE CONTRACTOR WILL SEPARATE THE TIE DOWNS TO BE REMOVED FROM THE SURROUNDING PAVEMENT PRIOR TO PULLING THE TIE DOWN OUT. REMOVAL OF THE TIE DOWN WILL NOT CAUSE ANY DISPLACEMENT OF THE SURROUNDING PAVEMENT. ANY DISPLACEMENT WILL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE RESIDENT ENGINEER.

THE CONTRACTOR WILL BACKFILL THE HOLE WITH CRUSHED AGGREGATE OR SAND TO THE TOP OF THE EXISTING SUBGRADE AND BACKFILL THE REMAINING PORTION WITH BITUMINOUS TO EXISTING GRADE PRIOR TO PROPOSED BITUMINOUS OVERLAY. SEE DETAIL ON THIS SHEET.

THE REMOVAL AND DISPOSAL OF THE TIE DOWNS AND BACKFILLING OF THE HOLES WILL BE PAID FOR UNDER ITEM:
AR510900 "REMOVE TIE DOWN" - PER EACH

AR401655 BUTT JOINT CONSTRUCTION NOTES

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 0.125' AT THE BUTT END AND WILL TAPER TO 0 IN. AT THE OPPOSITE END. THE PLANNER MUST BE CAPABLE OF MILLING THE SURFACE TO THE DESIRED ELEVATIONS AND GRADES.

PRIOR TO THE PLACEMENT OF THE BITUMINOUS SURFACE COURSE (401), ALL MILLED AREAS WILL BE BROOMED AND BLOWN CLEAN OF LOOSE MATERIALS AND DEBRIS. A BITUMINOUS TACK COAT WILL BE APPLIED ACCORDING TO THE SUPPLEMENTAL SPECIFICATIONS FOR ITEM 603 DATED JULY 1, 2004 AT A RATE OF 0.15 GAL/SY. THE VERTICAL FACE OF ALL SAW CUTS WILL BE PAINTED WITH A LIQUID ASPHALT.

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

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

THE PAVEMENT MILLING WILL BE PAID FOR UNDER ITEM:
AR401655 "BUTT JOINT CONSTRUCTION" - PER SQUARE YARD

PAVEMENT SAWING NOTES

THE PROPOSED SAWING WILL PROVIDE A STRAIGHT PAVEMENT EDGE TO BUTT AGAINST.

THE RESIDENT ENGINEER WILL MARK THE PROPOSED SAW LINE IN THE FIELD.

ANY BITUMINOUS PAVEMENT CUT 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

REMOVE AND REPLACE BITUMINOUS PAVEMENT

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

THE QUANTITY OF CRACKS TO BE REPAIRED WAS ESTABLISHED BY THE COMPLETION OF A CRACK SURVEY (SPRING 2006), AND CONSISTS OF THOSE CRACKS FOUND TO BE GREATER THAN ONE INCH IN WIDTH AT THE TIME OF THE SURVEY, AND EXHIBITING ROLLED EDGES. ALL CRACKS TO RECEIVE REPAIR SHALL BE LOCATED AND MARKED BY THE RESIDENT ENGINEER.

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

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

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

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

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

PAYMENT FOR THIS ITEM OF WORK WILL BE UNDER ITEM:
AR401910 "REMOVE AND REPLACE BITUMINOUS PAVEMENT" - PER SQUARE YARD

SE002

SUMMARY OF QUANTITIES				
ITEM	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR201660	BITUMINOUS CRACK REPAIR	L.F.	425	
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	1330	
AR401910	REMOVE AND REPLACE BITUMINOUS PAVEMENT	S.Y.	200	
AR510900	REMOVE TIE DOWN	EACH	42	
AR603510	BITUMINOUS TACK COAT	GAL.	3002	
AR751940	ADJUST INLET	EACH	1	

BITUMINOUS CRACK REPAIR

THE CRACKS TO BE REPAIRED WERE OBTAINED FROM A SURVEY (SPRING 2006) AND CONSIST OF THE CRACKS IN NEED OF REPAIR AT THE TIME OF THE SURVEY. OTHER LESS SEVERE, MAINTAINED CRACKS EXIST AND WILL NOT REQUIRE FURTHER REPAIR. THE ACTUAL LENGTH AND NUMBER OF CRACKS TO BE REPAIRED AS PART OF THIS PROJECT WILL BE DESIGNATED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION. THE PROJECT QUANTITY IS BASED ON THE AMOUNT OF CRACKS SURVEYED.

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

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

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

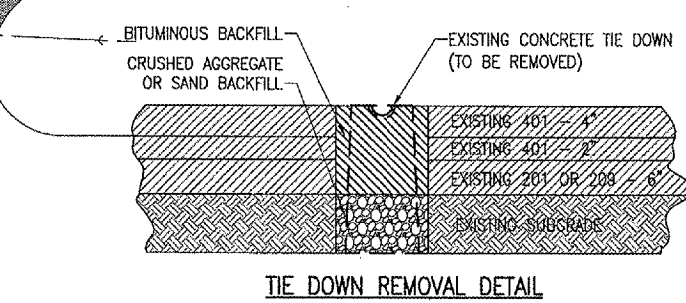
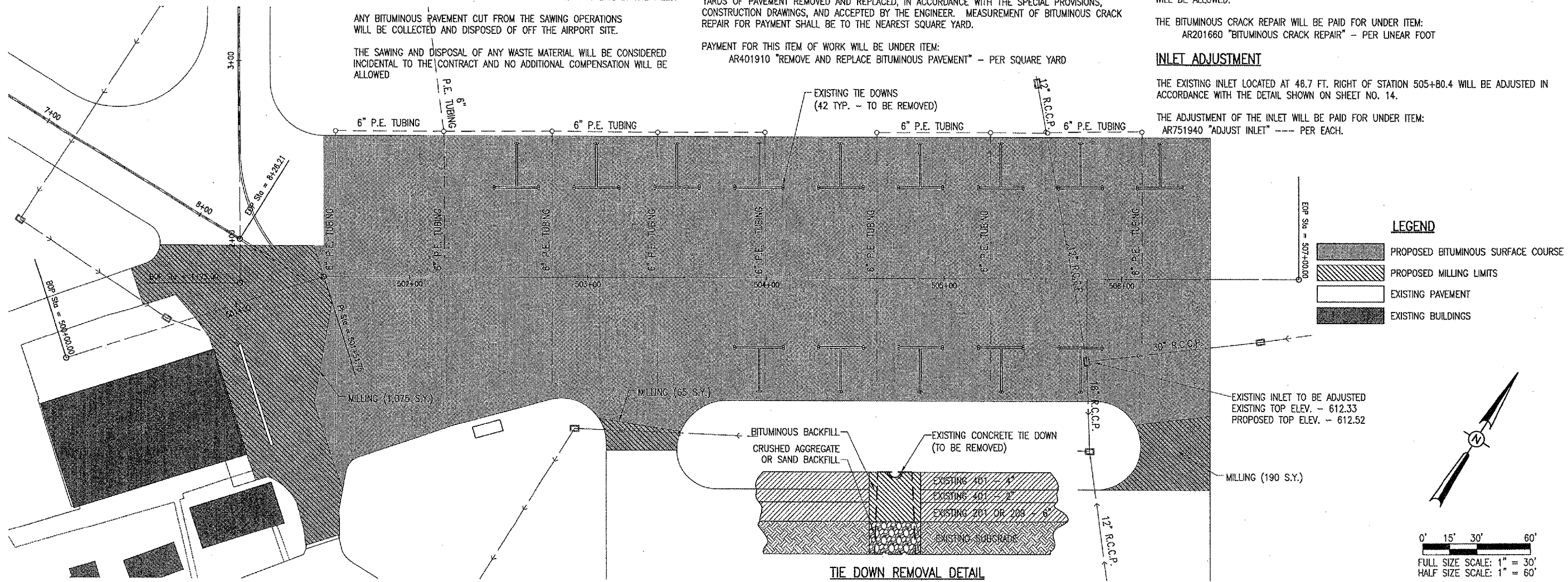
ANY DAMAGE TO THE EXISTING ADJACENT PAVEMENT WILL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. THE QUANTITY OF PAVEMENT REMOVAL, MILLING AND/OR SAWCUTS, IF UTILIZED, TACK MATERIAL, AND BITUMINOUS SURFACE COURSE MATERIAL (401) NECESSARY TO COMPLETE THIS TASK WILL BE CONSIDERED INCIDENTAL TO THE TASK,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

THE BITUMINOUS CRACK REPAIR WILL BE PAID FOR UNDER ITEM:
AR201660 "BITUMINOUS CRACK REPAIR" - PER LINEAR FOOT

INLET ADJUSTMENT

THE EXISTING INLET LOCATED AT 46.7 FT. RIGHT OF STATION 505+80.4 WILL BE ADJUSTED IN ACCORDANCE WITH THE DETAIL SHOWN ON SHEET NO. 14.

THE ADJUSTMENT OF THE INLET WILL BE PAID FOR UNDER ITEM:
AR751940 "ADJUST INLET" - PER EACH.



LEGEND

- PROPOSED BITUMINOUS SURFACE COURSE
- PROPOSED MILLING LIMITS
- EXISTING PAVEMENT
- EXISTING BUILDINGS

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

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BY	
REVISION	
DATE	
SHELBY COUNTY AIRPORT SHELBYVILLE, ILLINOIS	
A.I.P. PROJ.: 3-17-0083-87	
ILL. PROJ.: 210-3615	
ILL. Project No. 827-06APN Drawing No. R-111PRP.DWG Scale: 1" = 30' Date: 05/01/06	LAYOUT 05/01/06 DRAWN CCC 05/01/06 REVIEWED RAW 05/31/06
Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62705-2686 Offices Nationwide	
OVERLAY RWY. & APN. INSTALL UNDERDRAINS PROPOSED APRON PAVEMENT PREPARATION PLAN	
13 13 of 33 sheets	

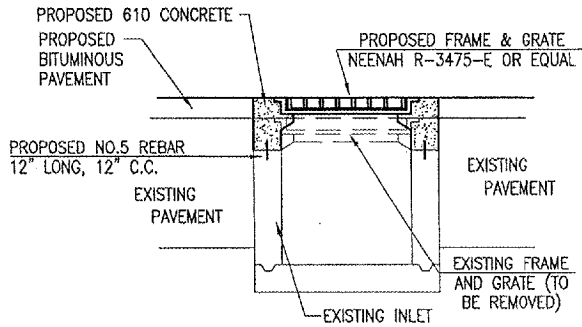
603-BITUMINOUS TACK COAT NOTES

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 QUANTITY WAS CALCULATED BASED ON A RATE OF 0.15 GAL/SY.

THE PROPOSED BITUMINOUS TACK COAT SHALL BE PLACED ON THE EXISTING AND THE PROPOSED BITUMINOUS PAVEMENT PRIOR TO THE PLACEMENT OF THE NEXT LIFT OF PROPOSED BITUMINOUS SURFACE COURSE. THE PROPOSED BITUMINOUS TACK COAT WILL BE PAID FOR UNDER ITEM:

AR603510 "BITUMINOUS TACK COAT" - PER GALLON



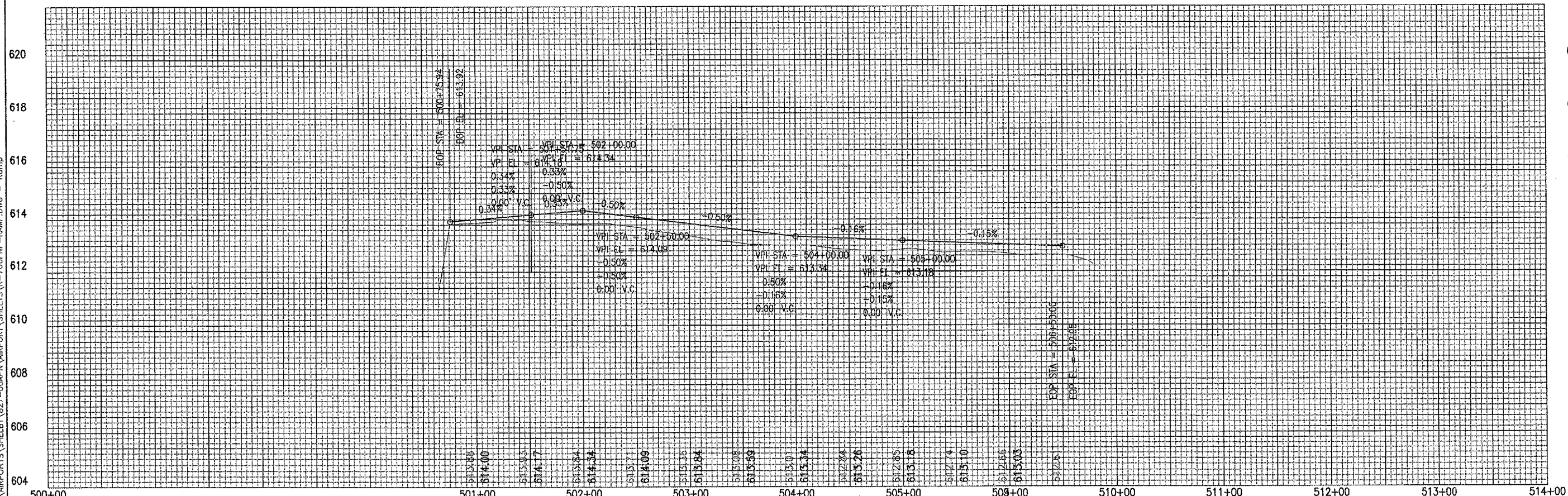
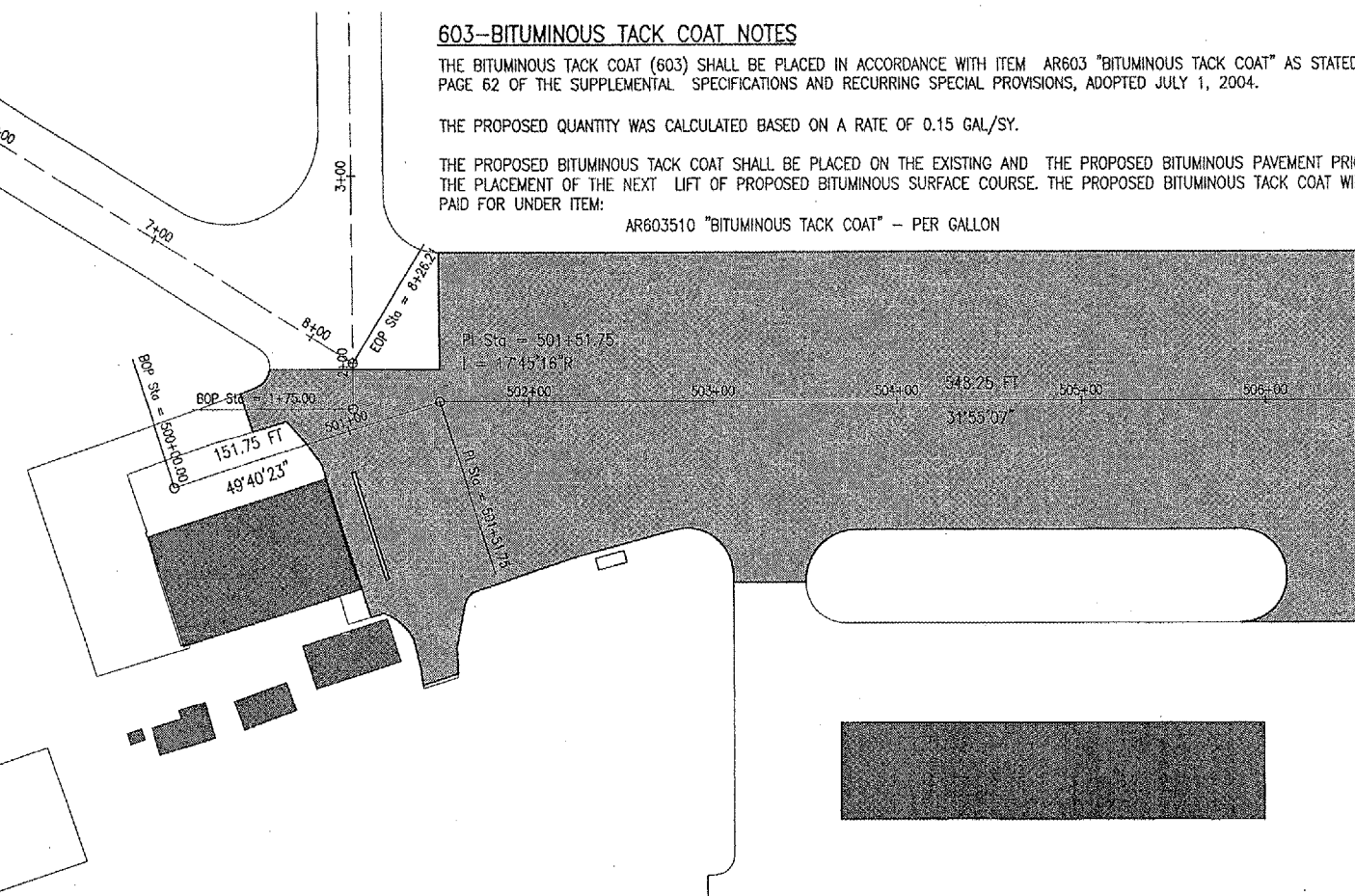
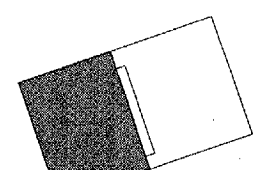
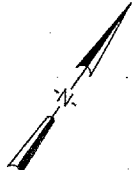
NOTES

THE EXISTING INLET WILL BE ADJUSTED AS SHOWN ON THE DETAIL ON THIS SHEET AND IN ACCORDANCE TO THE SPECIAL PROVISIONS.

THE EXISTING FRAME SHALL BE JACKHAMMERED FROM THE EXISTING INLET AND A NEW FRAME RESET AS SHOWN IN THE DETAIL.

THE PROPOSED INLET ADJUSTMENT WILL BE PAID FOR UNDER THE FOLLOWING:
AR751940 "ADJUST INLET" _____ 1 EACH.

SCALES:
1" = 50' HOR
1" = 2' VER



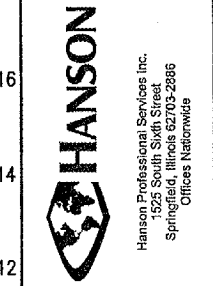
REVISION	DATE

SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS

DATE: 05/01/06
DRAWN: CCC
REVIEWED: RAW

ILL. PROJ.: 2HQ-3615
A.I.P. PROJ.: 3-17-0093-87

HEI Project No. 827-06APN
Plan No. R-706PMP-RAMP-DWG
Scale: H. 1" = 50' V. 1" = 2'
Date: 05/01/06



OVERLAY RWY. & APN.
INSTALL UNDERDRAINS

PROPOSED
APRON
PLAN AND PROFILE

SEEDING LIMITS

ALL AREAS WHICH ARE DISTURBED BY THE CONTRACTOR, OUTSIDE OF THE PROPOSED GRADING LIMITS, WILL BE LIMED, FERTILIZED, AND SEEDED IN ACCORDANCE WITH THE REQUIREMENTS OF ITEM AR901510 AT NO ADDITIONAL COST TO THE CONTRACT.

THE SEED BED SHALL BE SMOOTH AND TO GRADE UPON COMPLETION OF THE SEEDING OPERATION. THE CONTRACTOR WILL USE DRAG BARS, HARROWS OR OTHER EQUIPMENT NECESSARY TO OBTAIN THE SMOOTH GRADE TO THE SATISFACTION OF THE RESIDENT ENGINEER.

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

THE PRIME CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATION BETWEEN ALL SUB-CONTRACTORS AS TO THEIR RESPONSIBILITIES PERTAINING TO THE SEEDING OPERATION.

EXCELSIOR BLANKET NOTES

AN EROSION CONTROL MATERIAL (EXCELSIOR BLANKET) WILL BE INSTALLED FROM THE PAVEMENT EDGE TO THE PROPOSED SEEDING AND BLANKETING LIMITS AS SHOWN ON THIS SHEET AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM AR156531 EROSION CONTROL BLANKET _____ 2,545 S.Y.

901 SEEDING NOTES

THE PROPOSED SEEDING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 901 "SEEDING" AS STATED IN THE SPECIAL PROVISIONS.

ALL AREAS LOCATED WITHIN THE PROPOSED SEEDING AND BLANKETING LIMITS WILL BE SEEDED IN ACCORDANCE WITH THE ABOVE NOTED SPECIFICATION. ALL DISTURBED AREAS OUTSIDE THE DESIGNATED SEEDING AND BLANKETING LIMITS WILL ALSO BE SEEDED BUT AT THE CONTRACTOR'S OWN EXPENSE.

ALL MATERIALS AND/OR DEBRIS RESULTING FROM THE SEEDING OPERATIONS WILL BE REMOVED FROM THE PAVEMENTS AND MISCELLANEOUS STRUCTURES PRIOR TO OPENING THE APRON.

NO LIME WILL BE REQUIRED.

ANY COMMERCIALY AVAILABLE 12-12-12 FERTILIZER MIXTURE WILL BE APPLIED AT A RATE OF 0.14 POUNDS PER SQUARE YARD.

AN IDOT CLASS 2 ROADSIDE SEED MIXTURE WILL BE PLACED AT A RATE OF 0.04 POUNDS PER SQUARE YARD.

901-3.4 MAINTENANCE OF SEEDED AREAS. DELETE THE SECOND PARAGRAPH OF THIS SECTION AND ADD THE FOLLOWING:

"THE CONTRACTOR WILL BE REQUIRED TO ESTABLISH A GOOD STAND OF GRASS OF UNIFORM COLOR AND DENSITY TO THE SATISFACTION OF THE RESIDENT ENGINEER. IF AT THE TIME WHEN THE CONTRACT HAS BEEN OTHERWISE COMPLETED, IT IS NOT POSSIBLE TO MAKE AN ADEQUATE DETERMINATION OF COLOR, DENSITY, AND UNIFORMITY OF SUCH STAND OF GRASS, THE ITEM OF WORK WILL BE REVIEWED AT A LATER DATE DETERMINED BY THE ILLINOIS DIVISION OF AERONAUTICS."

DATE SEEDING COMPLETED _____

THE PROPOSED SEEDING WILL BE PAID FOR UNDER ITEMS: AR901530 STRIP SEEDING _____ 2,545 S.Y.

SHOULDER ADJUSTMENT NOTE

THE GRADING WILL HAVE A 1-1/2" DROP FROM THE PAVEMENT EDGE AND TAPERING TO THE EXISTING GROUND IN THE DISTANCE SHOWN ON THIS SHEET. THE EARTH FILLETS WILL NOT REQUIRE COMPACTING OR GRADING, OTHER THAN LIGHT ROLLING AND SHAPING. THE MATERIAL FOR THE PROPOSED EARTH FILLETS WILL BE OBTAINED FROM OFF-SITE.

THE EXISTING SHOULDER AREA WILL BE MOWED AND DISKED TO THE PROPOSED SEEDING AND BLANKETING LIMITS PRIOR TO PLACING THE TOPSOIL MATERIAL. THE AREA WILL BE DISKED UNTIL THE SOD HAS BEEN COMPLETELY CUT UP. ANY CHUNKS OF SOD WILL BE REMOVED PRIOR TO THE PLACEMENT OF THE TOPSOIL MATERIAL.

THE CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS WHEN HAULING BORROW MATERIAL SO AS NOT TO CREATE RUTS IN ADJACENT EARTH AREAS. ALL EXISTING GRADED OR TURFED AREAS OUTSIDE THE SEEDING AND BLANKETING LIMITS WHICH ARE DISTURBED OR RUTTED BY THE CONTRACTOR DURING THE HAULING OPERATION SHALL BE REGRADED AND RETURNED AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.

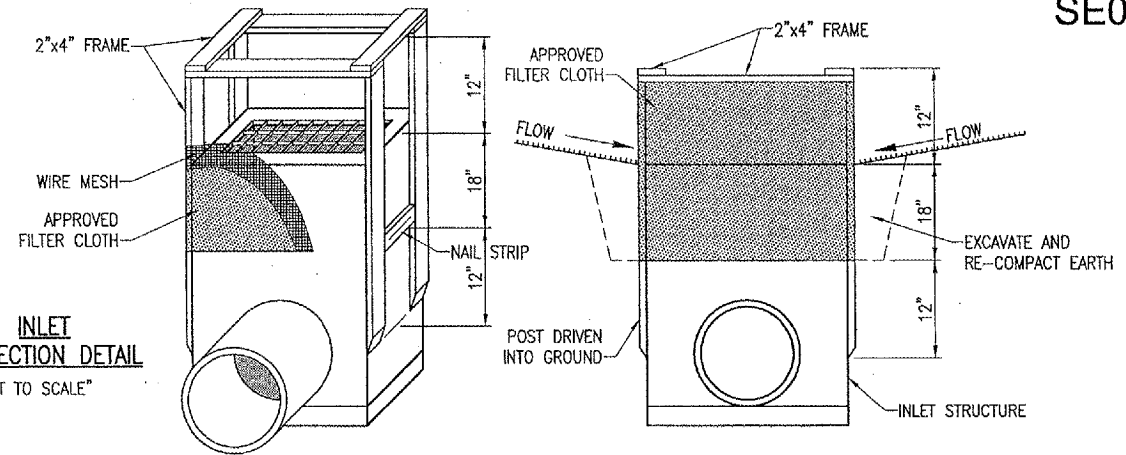
THE MATERIAL FOR THE PROPOSED EARTH FILLETS WILL BE PAID FOR UNDER ITEM:

AR152480 "SHOULDER ADJUSTMENT" PER SQUARE YARDS.

QUANTITY OF SHOULDER ADJUSTMENT _____ 1,722 S.Y.

INLET PROTECTION DETAIL

"NOT TO SCALE"



ADJUST INSPECTION HOLE NOTES

THE INSPECTION HOLES SHOWN ON THIS SHEET WILL REQUIRE ADJUSTMENT TO AN ELEVATION 2" ABOVE THE PROPOSED GRADE IN THE AREA OF THE INSPECTION HOLE, IN ACCORDANCE TO THE SPECIAL PROVISIONS AND THE DETAIL SHOWN ON SHEET 33.

THE ADJUSTMENTS SHALL INCLUDE ALL LABOR, MATERIALS, AND INCIDENTAL WORK NECESSARY TO CONSTRUCT THESE ITEMS AND WILL BE PAID FOR UNDER ITEM: AR751949 - ADJUST INSPECTION HOLE _____ 8 EA.

EROSION CONTROL NOTES

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

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

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

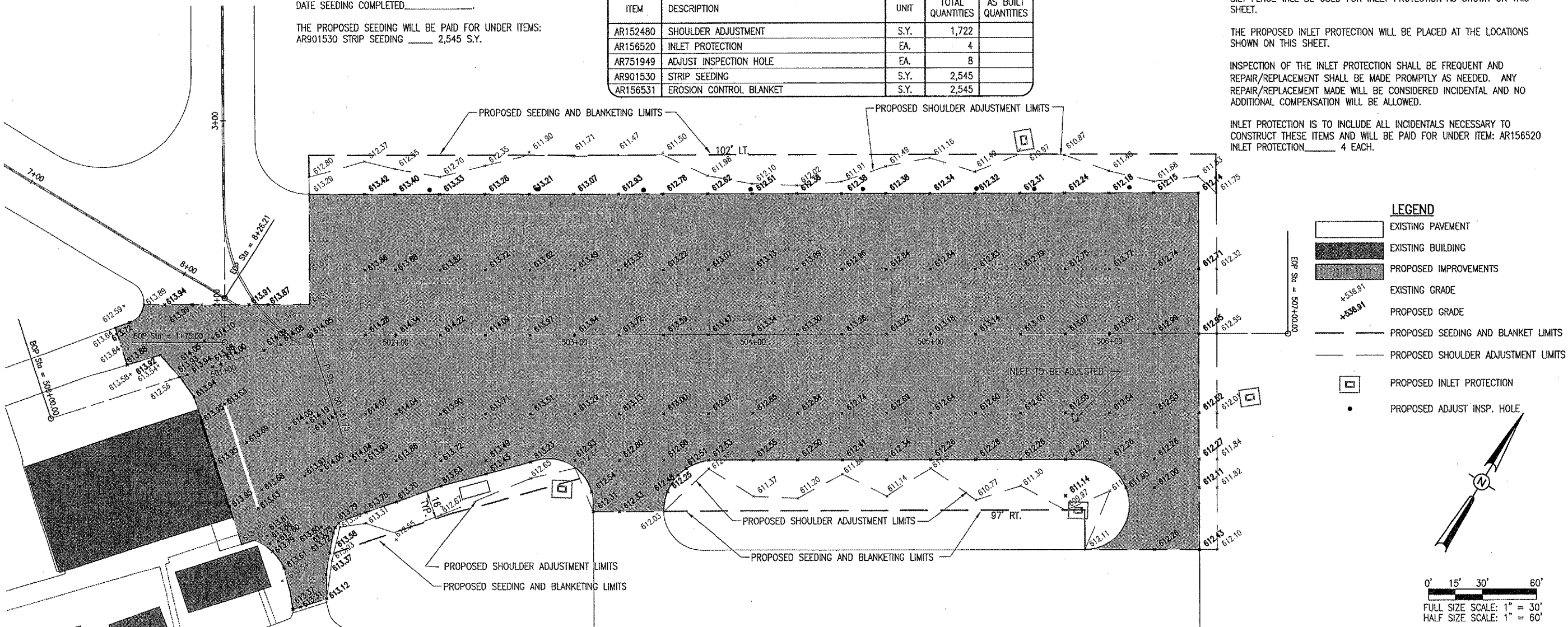
SILT FENCE WILL BE USED FOR INLET PROTECTION AS SHOWN ON THIS SHEET.

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

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

INLET PROTECTION IS TO INCLUDE ALL INCIDENTALS NECESSARY TO CONSTRUCT THESE ITEMS AND WILL BE PAID FOR UNDER ITEM: AR156520 INLET PROTECTION _____ 4 EACH.

SUMMARY OF QUANTITIES				
ITEM	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR152480	SHOULDER ADJUSTMENT	S.Y.	1,722	
AR156520	INLET PROTECTION	EA.	4	
AR751949	ADJUST INSPECTION HOLE	EA.	8	
AR901530	STRIP SEEDING	S.Y.	2,545	
AR156531	EROSION CONTROL BLANKET	S.Y.	2,545	



BY	
REVISION	
DATE	

SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS

IL PROJ.: 240-3615
A.I.P. PROJ.: 3-17-0093-87

IEE Project No. 827-06APN	05/01/06
Drawn: R-191STK.DWG	CCC
Scale: 1" = 30'	CCC
Date: 05/01/06	RAW
	05/31/06

HANSON

Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2985
Offices Nationwide

OVERLAY RWY. & APN.
INSTALL UNDERDRAINS

PROPOSED APRON
STAKING
PLAN

JUL 05, 2006 8:56 PM RAW
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TIE DOWN NOTES

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

THE PERIMETER OF EACH PROPOSED TIE DOWN SHALL BE SAWED.

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

CONCRETE SHALL MEET THE REQUIREMENTS OF 610 - STRUCTURAL CONCRETE.

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

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

MARKING NOTES

ALL MARKING SHALL BE YELLOW IN COLOR.

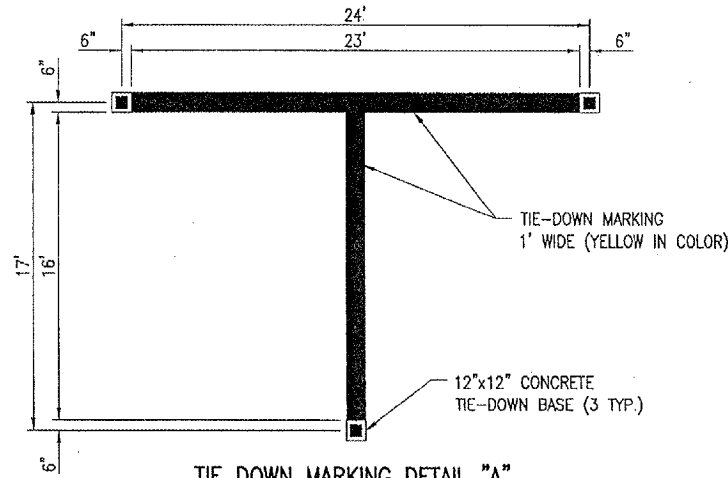
ALL TAXIWAY CENTERLINE AND TIE-DOWN MARKING SHALL BE 1' IN WIDTH AND SOLID. ALL MARKING WILL BE AS DETAILED.

ALL MARKING WILL HAVE A REFLECTIVE MEDIA. APPLICATION RATES WILL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE REFLECTIVE MEDIA WILL BE APPLIED IN THE SECOND APPLICATION OF PAINT.

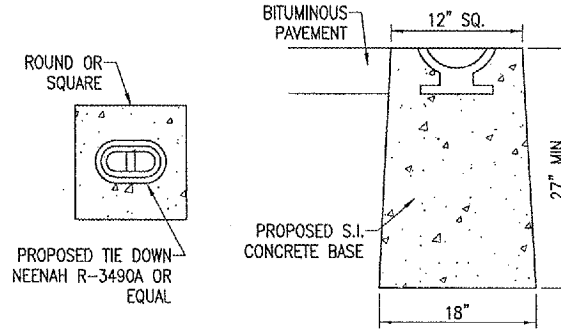
"CUT-OFF" SHEETS SHALL BE USED TO INSURE STRAIGHT EDGES.

THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM:
AR620520 "PAVEMENT MARKING-WATERBORNE" PER S.F.

SE002



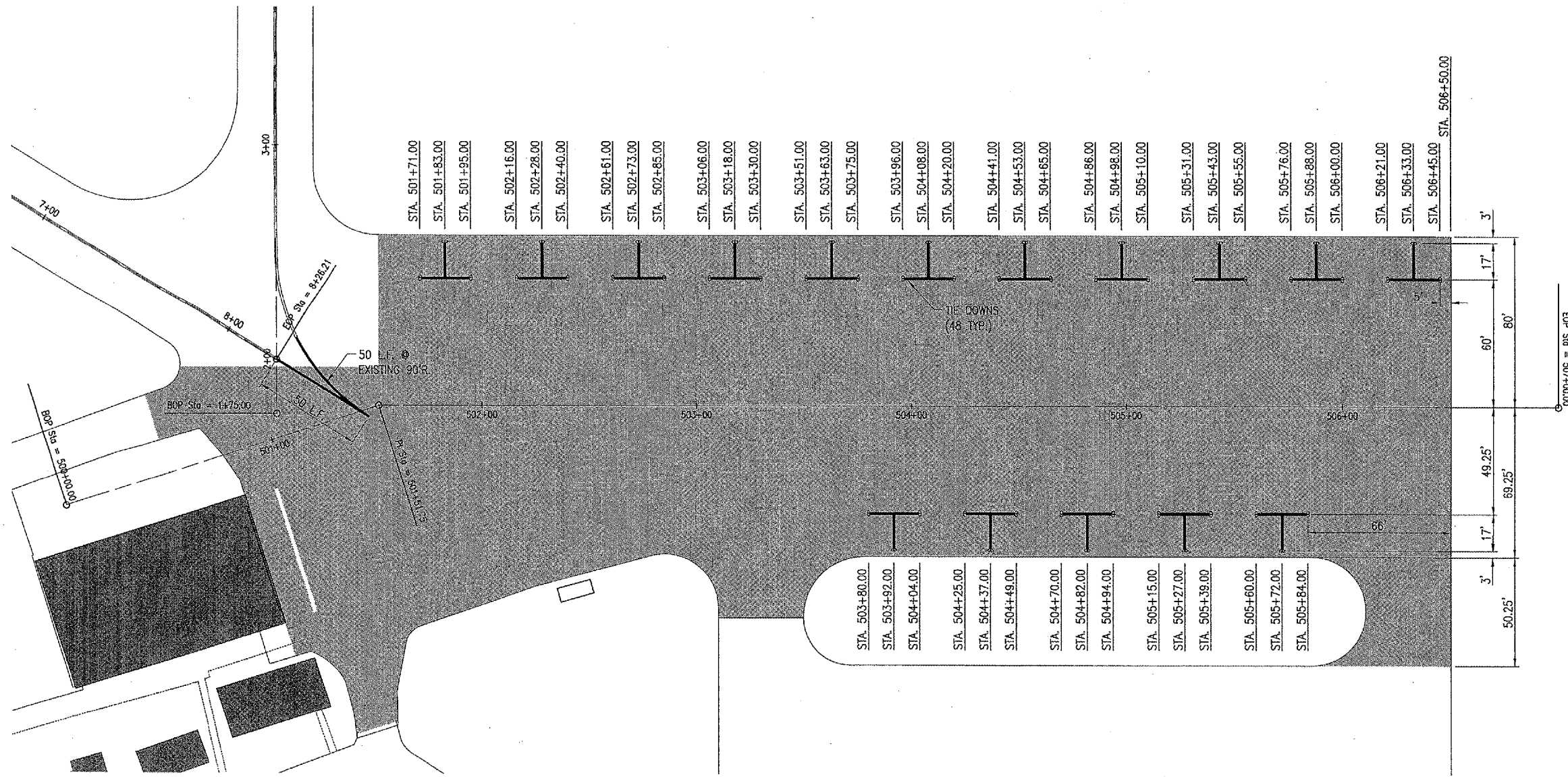
TIE DOWN MARKING DETAIL "A"
"NOT TO SCALE"



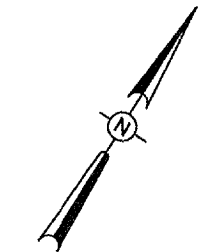
TIE DOWN DETAIL "B"
"NOT TO SCALE"

APRON QUANTITIES				
ITEM	DESCRIPTION	UNIT	QUANTITY	AS BUILT QUANTITY
AR510510	TIE DOWN	EA.	48	
AR620520	PAVEMENT MARKING-WATERBOURNE	S.F.	724	

APRON MARKING QUANTITIES			
DESCRIPTION	UNIT AREA	NO. REQUIRED	TOTAL AREA
TIE DOWN MARKING	39	16	624
TAXIWAY CENTERLINE STRIPE	50	2	100
TOTAL MARKING			724



- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED P.F.C. OVERLAY
 - EXISTING MARKING
 - PROPOSED MARKING
 - PROPOSED TIE DOWN

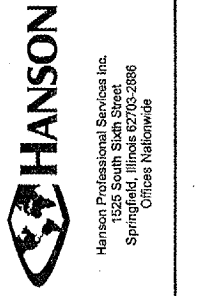


0' 15' 30' 60'
FULL SIZE SCALE: 1" = 30'
HALF SIZE SCALE: 1" = 60'

DATE	REVISION

SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS

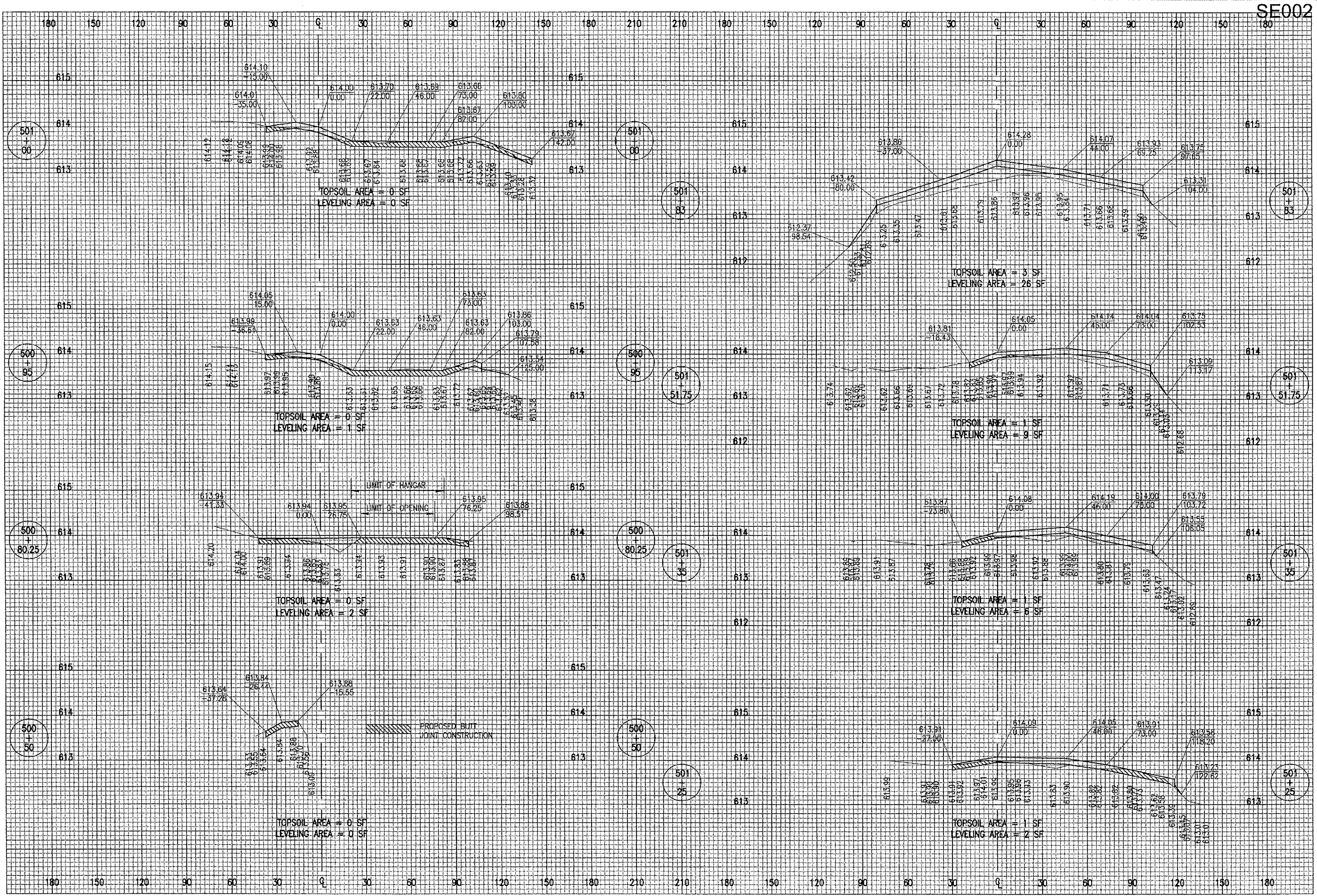
DATE	REVIEWED	BY
05/01/06	RAW	
05/01/06	CCC	
05/01/06	CCC	



OVERLAY RWY. & APN.
INSTALL UNDERDRAINS
PROPOSED APRON
MARKING AND
TIE DOWN PLAN

JUL 05, 2006 8:55 PM RAW
I:\AIRPORTS\SHELBY\827-06APN\AIRPORT\SHEETS\R-151MRK.DWG - Apron

JUL 05, 2006 8:57 PM RAW
I:\AIRPORTS\SHELBY\827-06APN\AIRPORT\SHEETS\R-301XS.DWG - STA. 500+50 TO STA. 501+83



DATE	REVISION

SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS

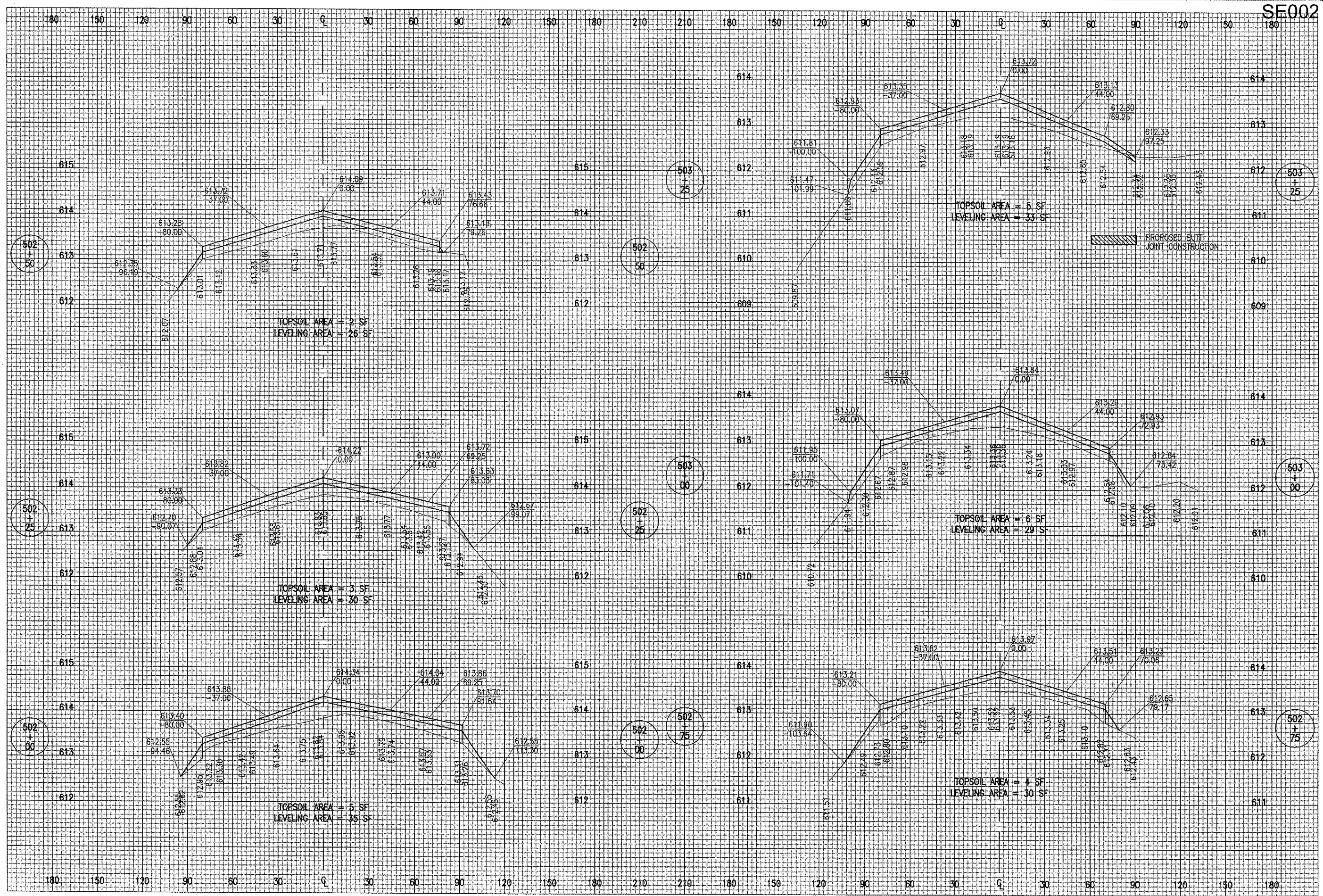
A.I.P. PROJ.: 3-17-0093-B7
I.L. PROJ.: 210-3615

Project No.	827-06APN
Filename	R-301XS.DWG
Scale	1" = 30H./1V.
Date	05/22/06
LAYOUT	RAW 05/22/06
DRAWN	CCC 05/22/06
REVIEWED	RAW 05/31/06



OVERLAY RWY. & APN.
INSTALL UNDERDRAINS

PROPOSED APRON
CROSS-SECTIONS
STA. 500+50 TO STA. 501+83



DATE	REVISION

SHELBY COUNTY AIRPORT
 SHELBYVILLE, ILLINOIS

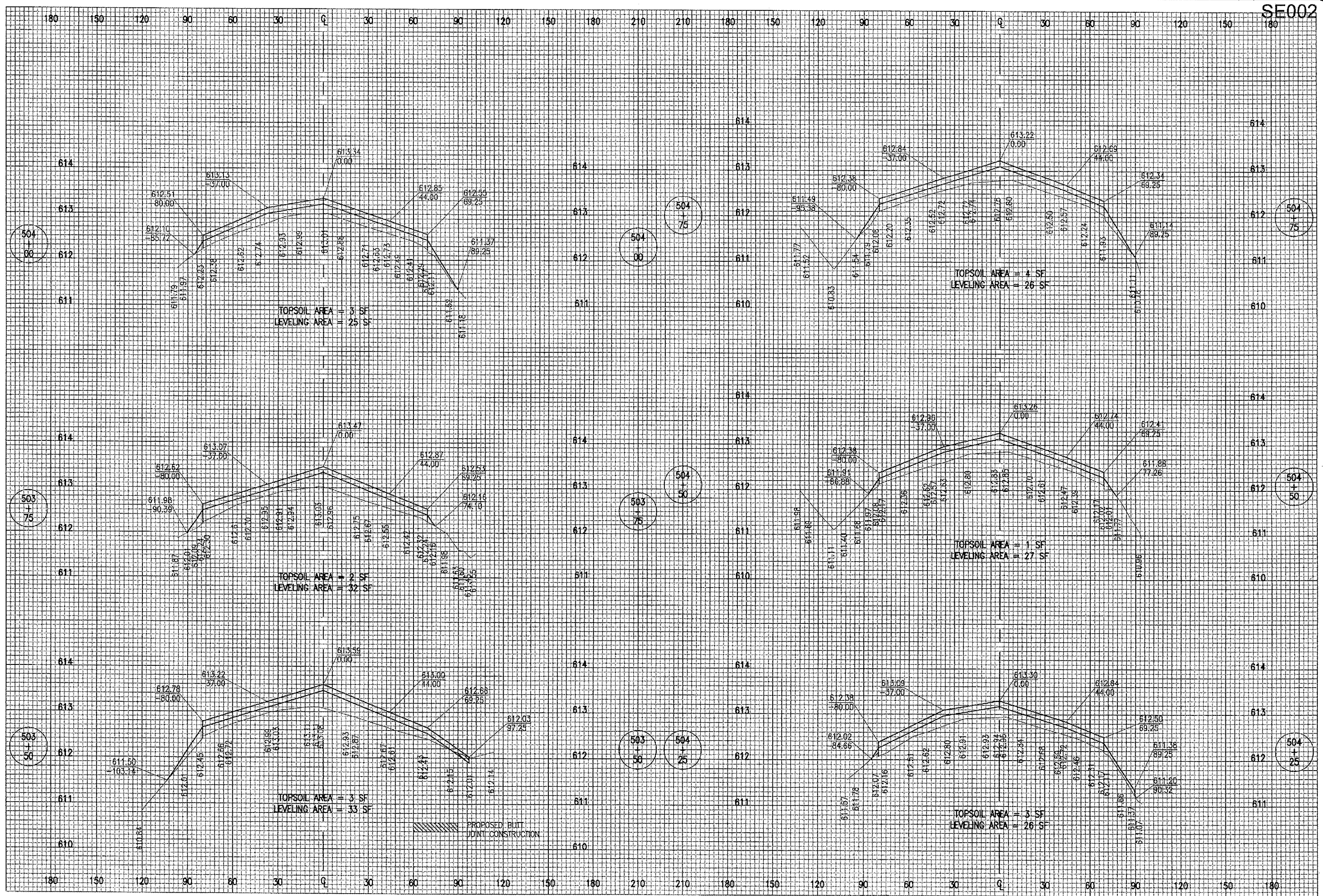
IL PROJ.: 2HQ-3615 A.I.P. PROJ.: 3-17-0093-87

LAYOUT	RAW	05/22/06
DRAWN	CCC	05/22/06
REVIEWED	RAW	05/31/06



Hanson Professional Services, Inc.
 1528 South Sixth Street
 Springfield, Illinois 62703-2888
 Offices Nationwide

OVERLAY RWY. & APN.
 INSTALL UNDERDRAINS
 PROPOSED APRON
 CROSS-SECTIONS
 STA. 502+00 TO STA. 503+25

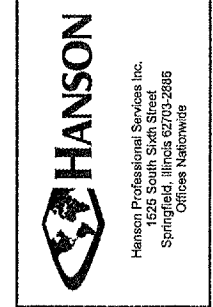


DATE	REVISION

SHELBY COUNTY AIRPORT
 SHELBYVILLE, ILLINOIS

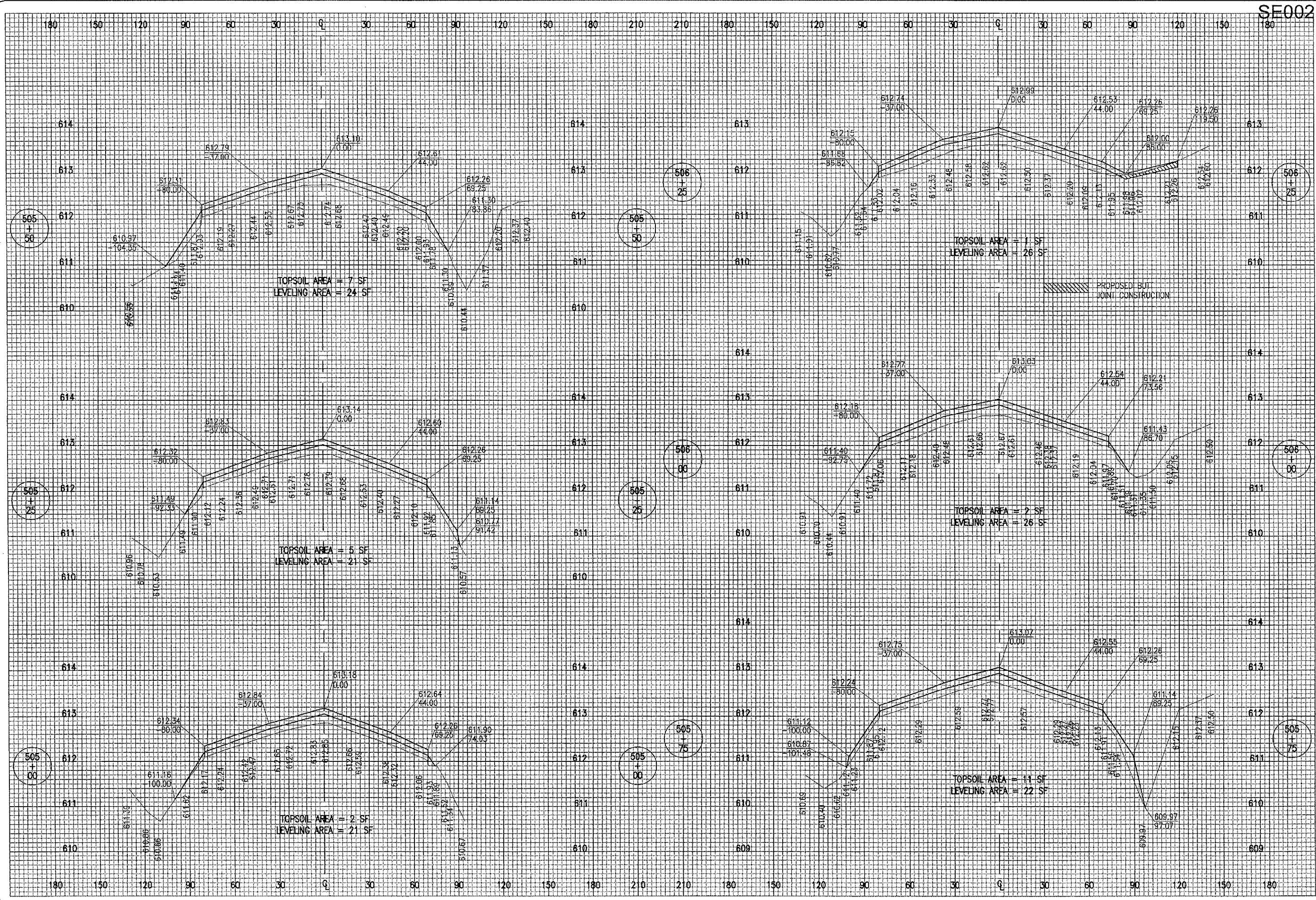
IL PROJ.: 2H0-3815 A.I.P. PROJ.: 3-17-0093-B7

H.E. Project No. 827-06AFN Plotted R-303XS.DWG Scale 1" = 30'H./1"V. Date 05/22/06	LAYOUT RAW 05/22/06 DRAWN CCC 05/22/06 REVIEWED RAW 05/31/06
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OVERLAY RWY. & APN.
 INSTALL UNDERDRAINS

PROPOSED APRON
 CROSS-SECTIONS
 STA. 503+50 TO STA. 504+75



SE002

DATE	REVISION

SHELBY COUNTY AIRPORT
 SHELBYVILLE, ILLINOIS

IL PROJ.: 2HQ-3615 A.I.P. PROJ.: 3-17-0093-87

HEL Project No. 827-06APN	RAW	05/22/06
Filename R-304XS.DWG	CCC	05/22/06
Scale 1" = 30'H./1"V.	RAW	05/31/06
Date 05/22/06		

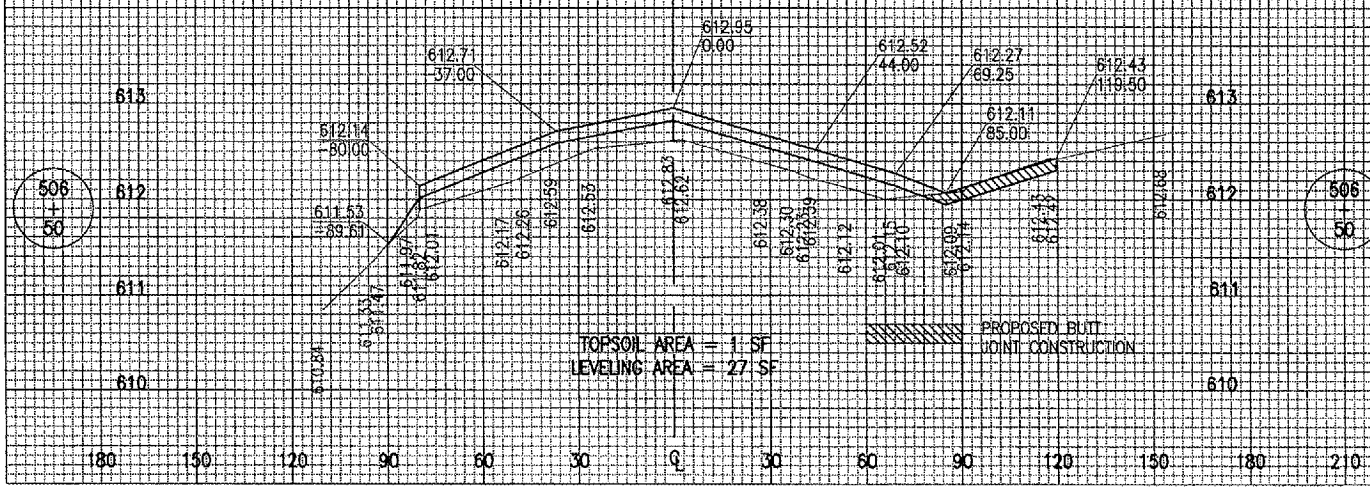


Hanson Professional Services Inc.
 1025 South State Street
 Springfield, Illinois 62766
 Offices Nationwide

OVERLAY RWY. & APN.
 INSTALL UNDERDRAINS
 PROPOSED APRON
 CROSS-SECTIONS
 STA. 505+00 TO STA. 506+25

180 150 120 90 60 30 0 30 60 90 120 150 180 210 210 180 150 120 90 60 30 0 30 60 90 120 150 180

JUL 05, 2006 8:58 PM RAW
 I:\AIRPORTS\SHELBY\827-06APN\AIRPORT\SHEETS\R-305XS.DWG - STA. 506+50



DATE	REVISION	BY

SHELBY COUNTY AIRPORT
 SHELBYVILLE, ILLINOIS

I.L. Project No. 827-06APN			
Files: R-305XS.DWG			
Scale: 1" = 30'H./1"V.			
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DRAWN	CCC	05/22/06	
REVIEWED	RAW	05/31/06	



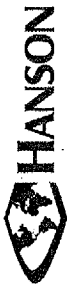
OVERLAY RWY. & APN.
 INSTALL UNDERDRAINS
 PROPOSED APRON
 CROSS-SECTIONS
 STA. 506+50

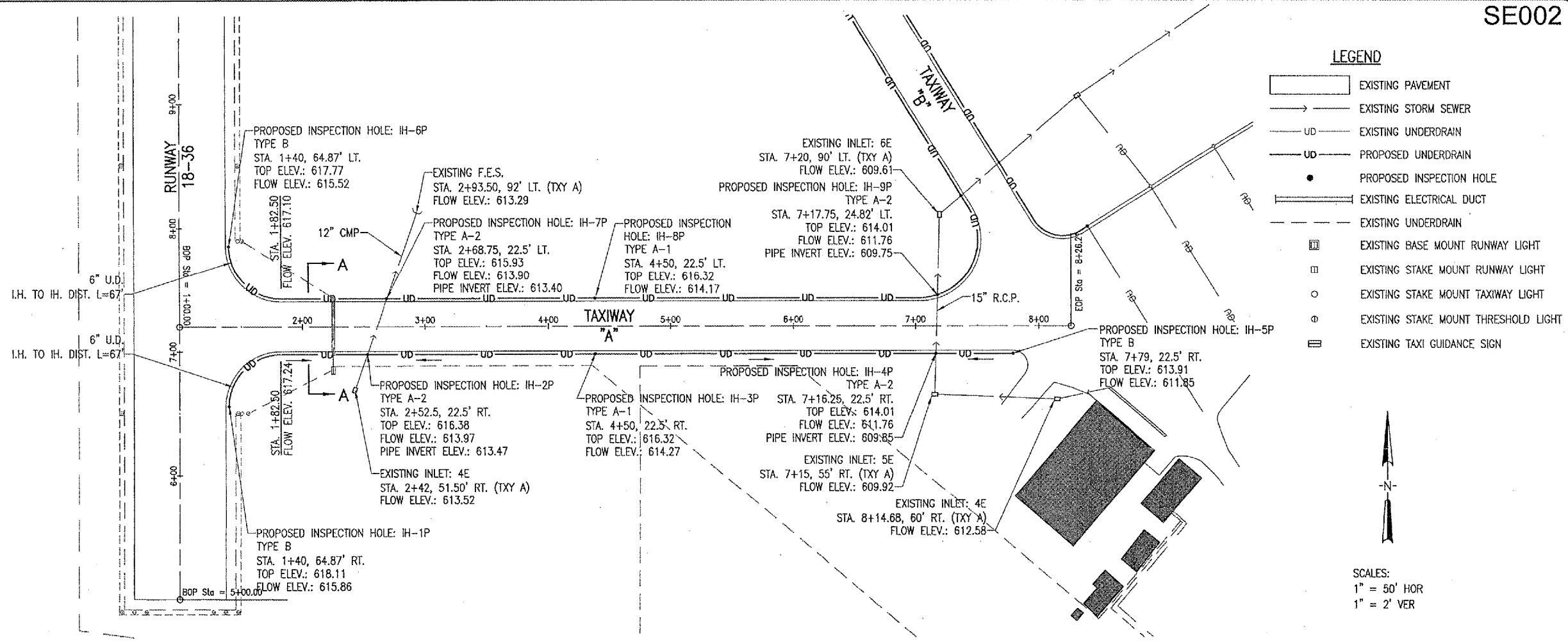
IL PROJ.: 2H0-3615 A.I.P. PROJ.: 3-17-0093-B7

INSTALL UNDERDRAINS ON TAXIWAYS "A" AND "B"

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR156531	EROSION CONTROL BLANKET	S.Y.	3,056	
AR705410	POROUS BACKFILL	C.Y.	1146	
AR705526	6" PERFORATED UNDERDRAIN W/SOCK	L.F.	6,875	
AR705630	UNDERDRAIN INSPECTION HOLE	EACH	21	
AR705640	UNDERDRAIN CLEANOUT	EACH	5	
AR751909	REMOVE INSPECTION HOLE	EACH	1	
AR901530	STRIP SEEDING	S.Y.	3,056	

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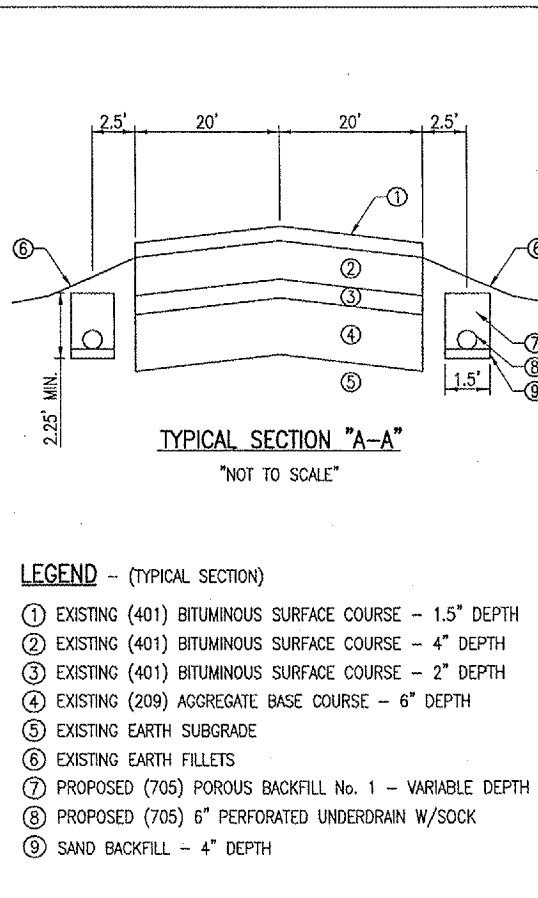
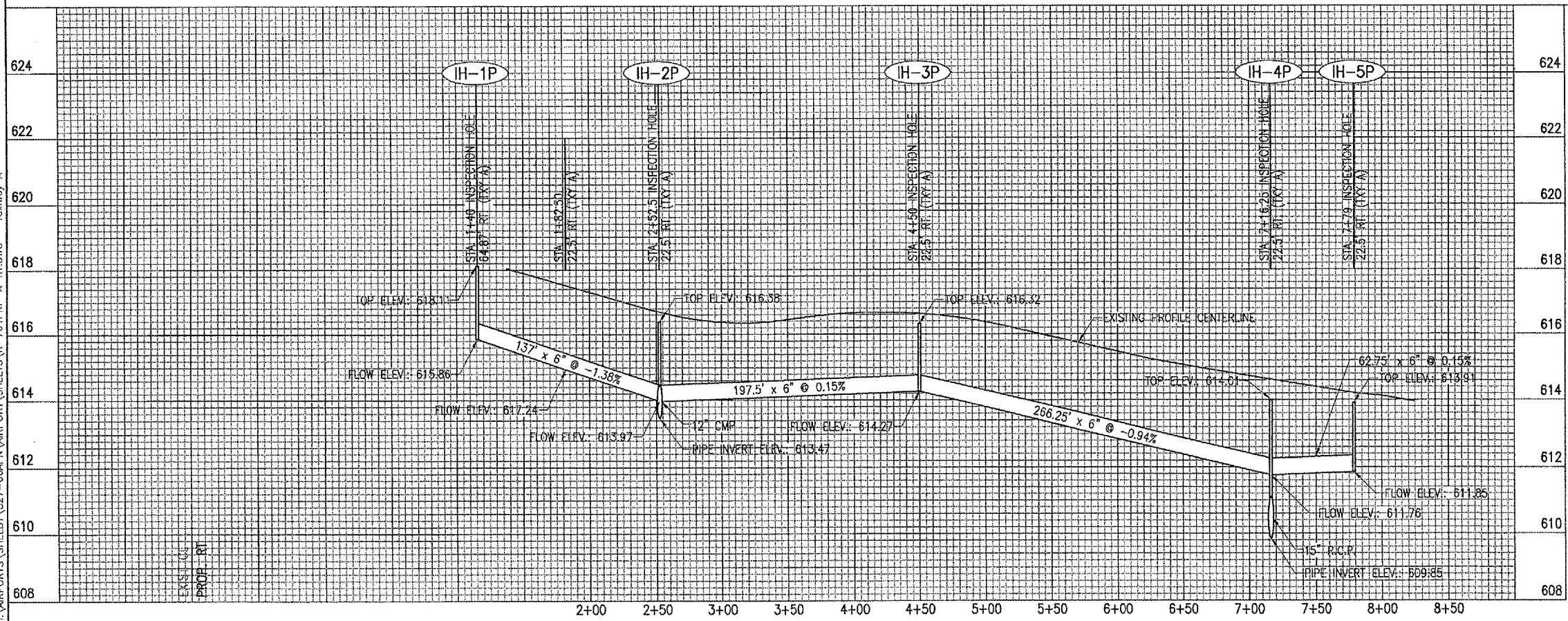
SHELB COUNTY AIRPORT SHELBYVILLE, ILLINOIS A.I.P. PROJ.: 3-17-0093-87 IL PROJ.: ZHQ-3615	
ISE Project No. 827-06APN Revision R-005FLP.DWG Scale NOT TO SCALE Date 05/01/06	LAYOUT CCC 05/01/06 DRAWN CCC 05/01/06 REVIEWED BY Y 18-36 05/01/06
 Hanson Professional Services Inc. 1526 South Sixth Street Springfield, Illinois 62703-2886 Offices Nationwide	
OVERLAY RWY. & APN. INSTALL UNDERDRAINS SUMMARY OF QUANTITIES FOR TAXIWAY "A" UNDERDRAINS	
22 22 of 33 sheets	



REVISION	DATE	BY

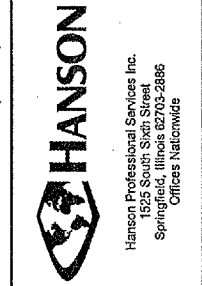
SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS

IL. PROJ.: 2HQ-3615 A.I.P. PROJ.: 3-17-0093-B7



HEL Project No. 827-06APN
 Drawn: R-701P/NP-A-RT.DWG
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 Date: 05/01/06

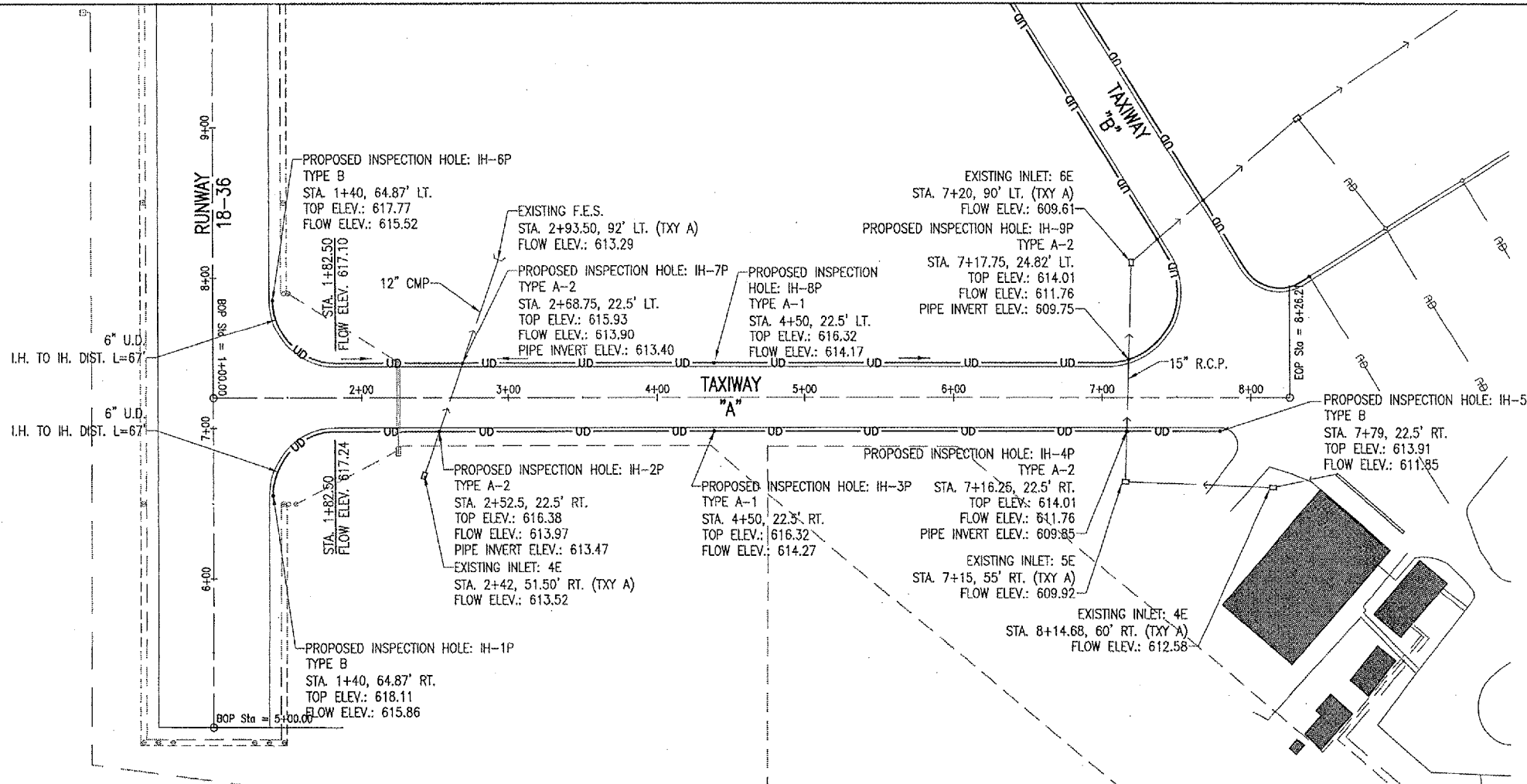
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DRAWN	CCC	05/01/06
REVIEWED	RAW	05/31/06



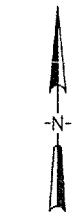
OVERLAY RWY. & APN.
INSTALL UNDERDRAINS

PROPOSED TAXIWAY "A"
RIGHT UNDERDRAIN P&P
STA. 1+00 TO STA. 8+00

JUL 05, 2006 8:59 PM RAW
 I:\AIRPORTS\SHELBY\827-06APN\AIRPORT SHEETS\R-701P/NP-A-RT.DWG - Taxiway A



- LEGEND**
- EXISTING PAVEMENT
 - EXISTING STORM SEWER
 - EXISTING UNDERDRAIN
 - PROPOSED UNDERDRAIN
 - PROPOSED INSPECTION HOLE
 - EXISTING ELECTRICAL DUCT
 - EXISTING UNDERDRAIN
 - EXISTING BASE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT TAXIWAY LIGHT
 - EXISTING STAKE MOUNT THRESHOLD LIGHT
 - EXISTING TAXI GUIDANCE SIGN



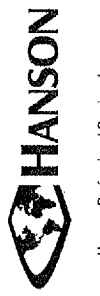
SCALES:
 1" = 50' HOR
 1" = 2' VER

DATE	REVISION	BY

SHELBY COUNTY AIRPORT
 SHELBYVILLE, ILLINOIS

IL PROJ.: 240-3615 A.I.P. PROJ.: 3-17-0093-87

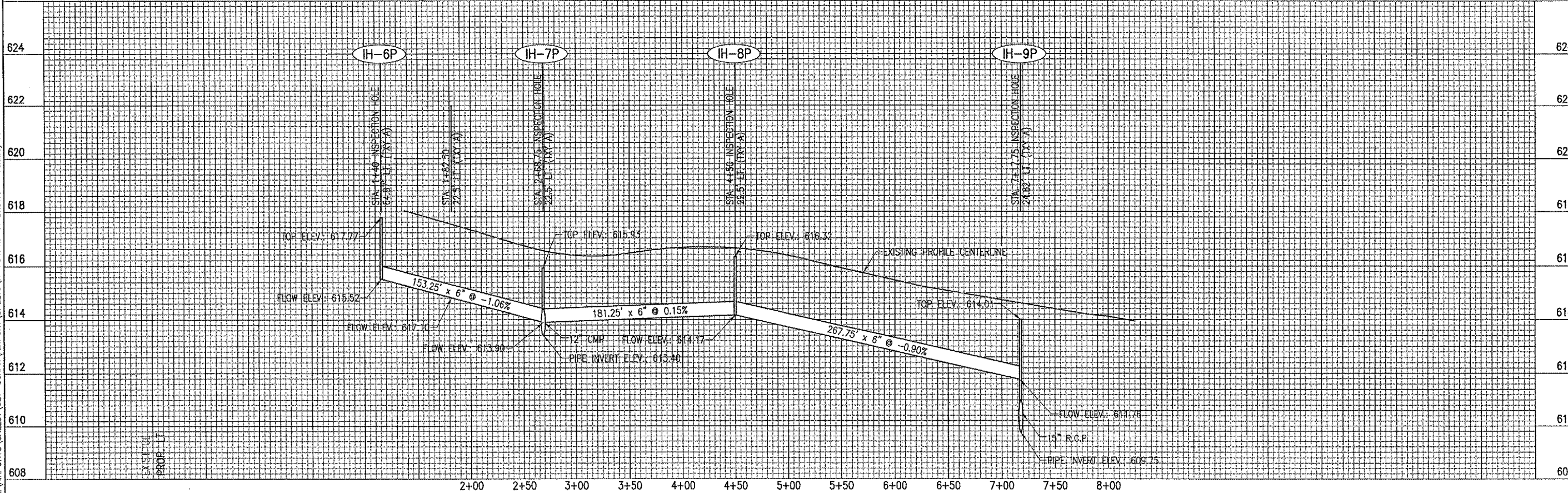
REL. Project No. 827-06APN	CCC	05/01/06
Drawn R-701PMP-A-LTDWG	CCC	05/01/06
Scale 1"=50' H., 1"=2' V.	RAW	05/31/06
Date 05/01/06		



Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

OVERLAY RWY. & APN.
 INSTALL UNDERDRAINS
 PROPOSED TAXIWAY "A"
 LEFT UNDERDRAIN P&P
 STA. 1+00 TO STA. 8+00

JUL 05 2006 8:59 PM RAW
 I:\AIRPORTS\SHELBY\827-06APN\AIRPORT SHEETS\A-701PMP-A-LT.DWG - Taxiway A



DATE	REVISION	BY

SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS

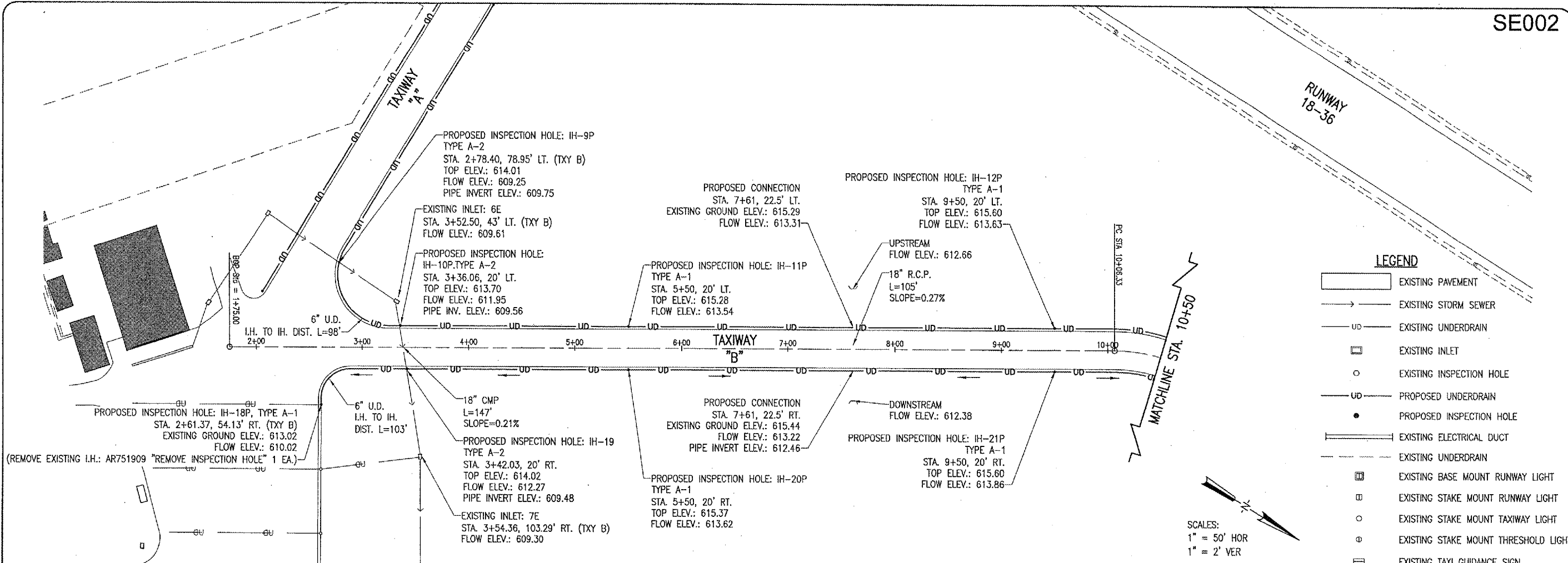
IL PROJ.: 240-3615 A.I.P. PROJ.: 3-17-0053-B7

PROJECT NO.	827-06APN
DATE	05/01/06
DRAWN	CCC
CHECKED	CCC
DATE	05/01/06
DESIGNED	CCC
DATE	05/01/06
REVIEWED	RAW
DATE	05/31/06



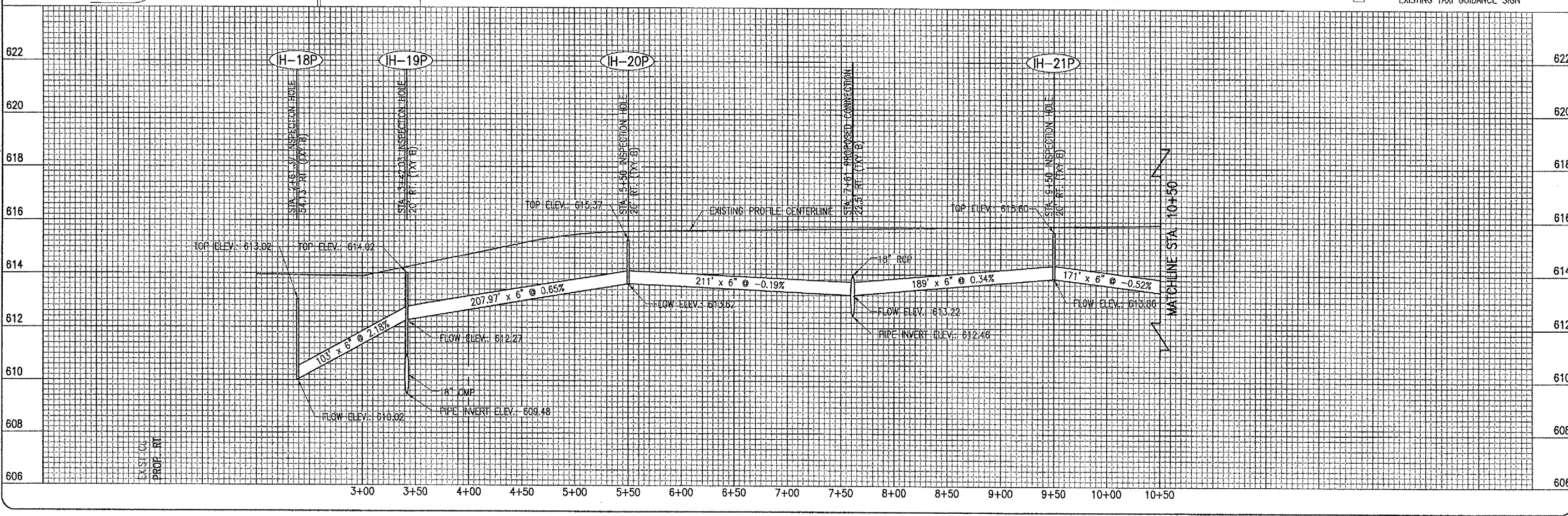
OVERLAY RWY. & APN.
INSTALL UNDERDRAINS

PROPOSED TAXIWAY "B"
RIGHT UNDERDRAIN P&P
STA. 2+61.37 TO STA. 10+50

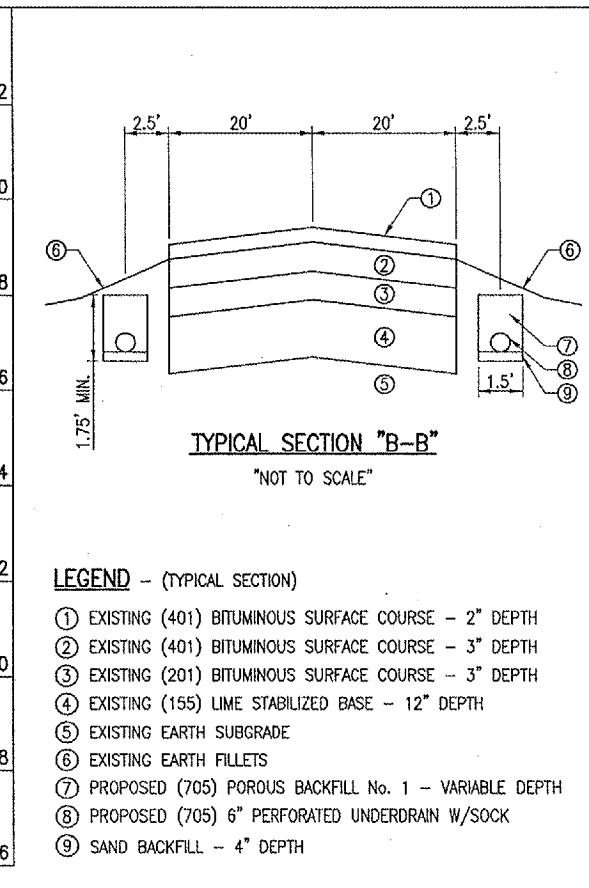
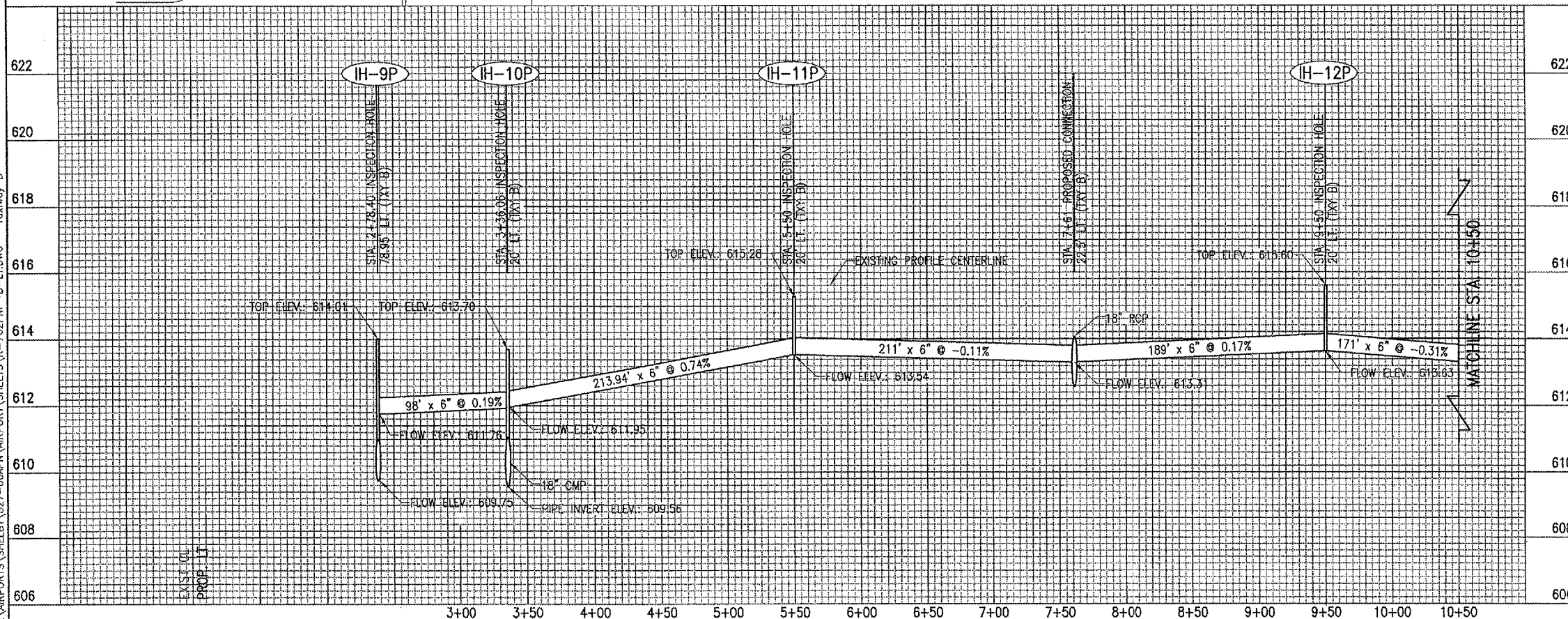
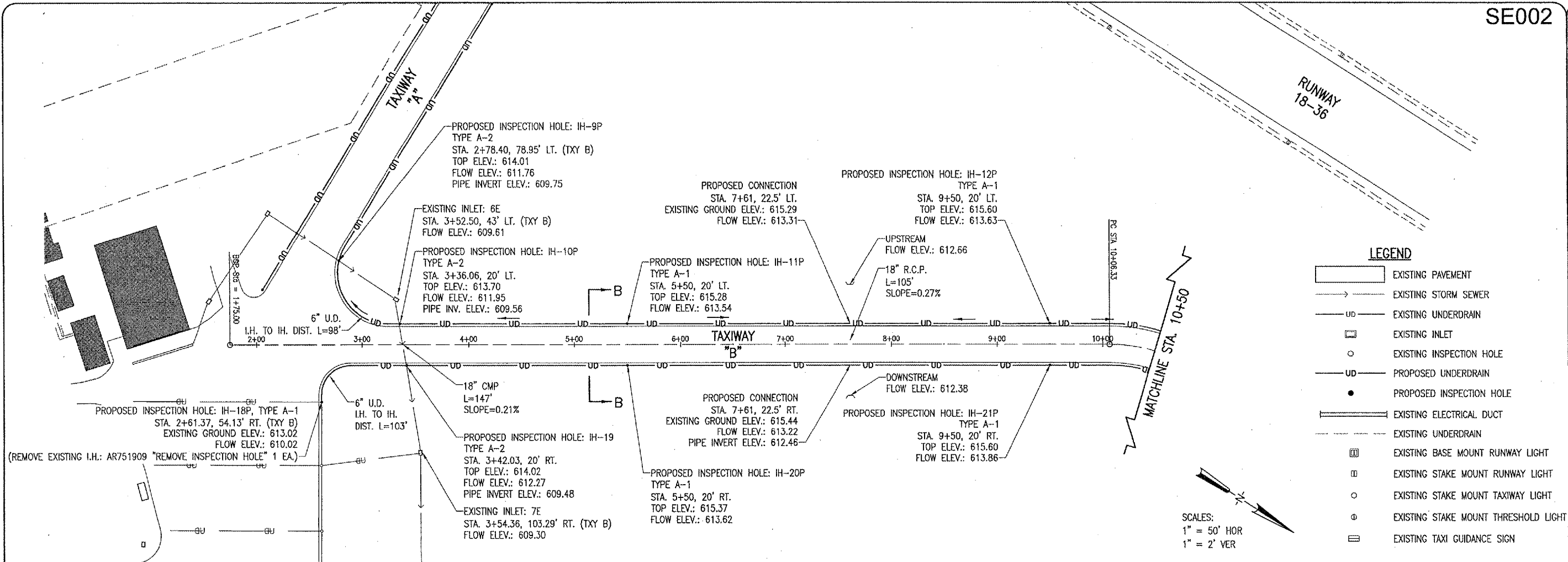


- LEGEND**
- EXISTING PAVEMENT
 - EXISTING STORM SEWER
 - EXISTING UNDERDRAIN
 - EXISTING INLET
 - EXISTING INSPECTION HOLE
 - PROPOSED UNDERDRAIN
 - PROPOSED INSPECTION HOLE
 - EXISTING ELECTRICAL DUCT
 - EXISTING UNDERDRAIN
 - EXISTING BASE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT TAXIWAY LIGHT
 - EXISTING STAKE MOUNT THRESHOLD LIGHT
 - EXISTING TAXI GUIDANCE SIGN

SCALES:
1" = 50' HOR
1" = 2' VER



JUL 05, 2006 9:00 PM RAW
I:\AIRPORTS\SHSELBY\827-06APN\AIRPORT\SHEETS\827-06APN\RT-DWG -- Taxiway B



DATE	REVISION	BY

**SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS**

HE Project No. 827-06APN
 Filename R-702PNP-B-LT.DWG
 Scale 1"=50' H, 1"=2' V
 Date 05/01/06

LAYOUT	CCC	05/01/06
DRAWN	CCC	05/01/06
REVIEWED	RAW	05/31/06

HANSON
 Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

**OVERLAY RWY. & APN.
INSTALL UNDERDRAINS**

PROPOSED TAXIWAY "B"
 LEFT UNDERDRAIN P&P
 STA. 2+78.40 TO STA. 10+50

26
 26 of 33 sheets

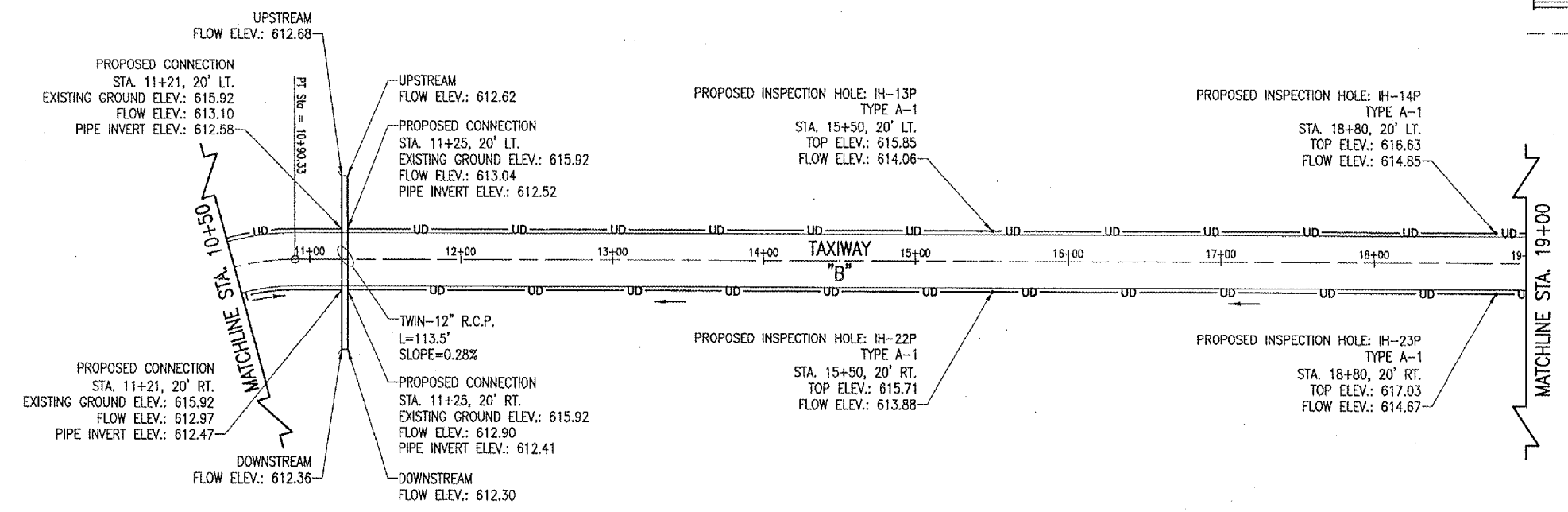
A.I.P. PROJ.: 3-17-0093-B7
 I.L. PROJ.: 2HQ-3615

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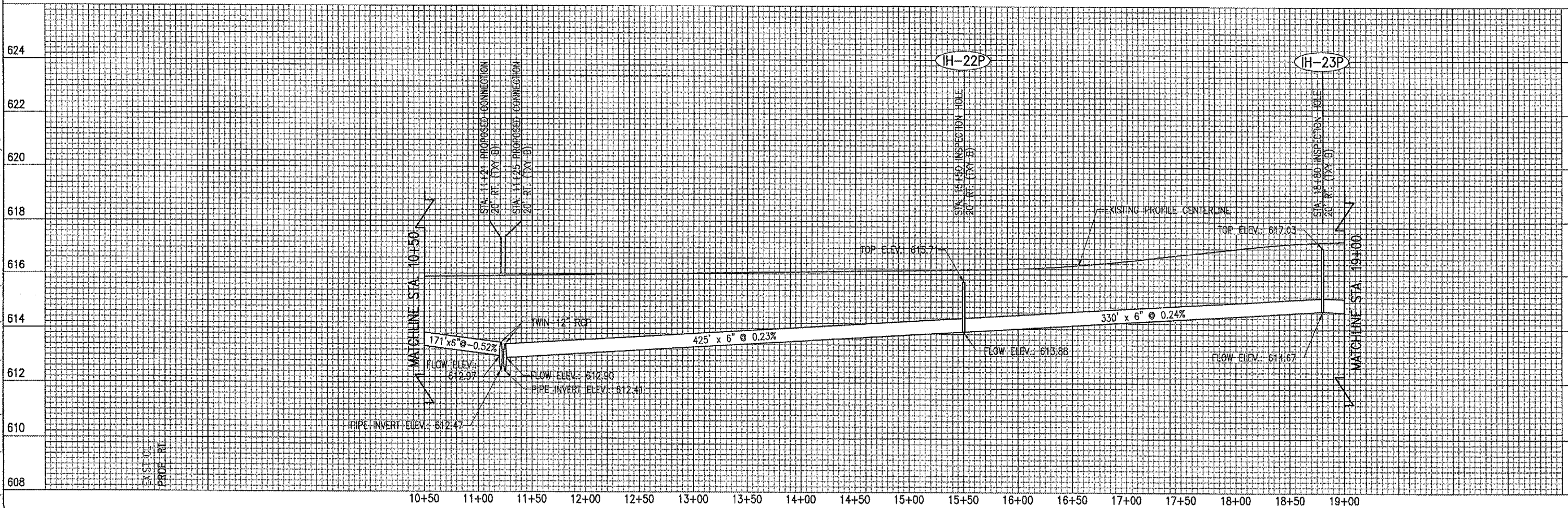
13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00
RUNWAY 18-36

LEGEND

- EXISTING PAVEMENT
- EXISTING STORM SEWER
- UD PROPOSED UNDERDRAIN
- PROPOSED INSPECTION HOLE
- EXISTING ELECTRICAL DUCT
- EXISTING UNDERDRAIN
- EXISTING BASE MOUNT RUNWAY LIGHT
- EXISTING STAKE MOUNT RUNWAY LIGHT
- EXISTING STAKE MOUNT TAXIWAY LIGHT
- EXISTING STAKE MOUNT THRESHOLD LIGHT
- EXISTING TAXI GUIDANCE SIGN



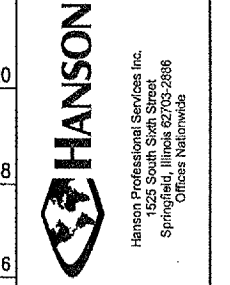
SCALES:
 1" = 50' HOR
 1" = 2' VER



BY	
REVISION	
DATE	

SHELBY COUNTY AIRPORT
 SHELBYVILLE, ILLINOIS
 IL. PROJ.: 210-3615
 A.I.P. PROJ.: 3-17-0093-B7

HEL. Project No. 827-06APN
Drawn: R-703PMP-B-RT.DWG
Scale: 1"=50' H., 1"=2' V.
Date: 05/01/06
LAYOUT: CCC 05/01/06
DRAWN: CCC 05/01/06
REVIEWED: RAW 05/31/06



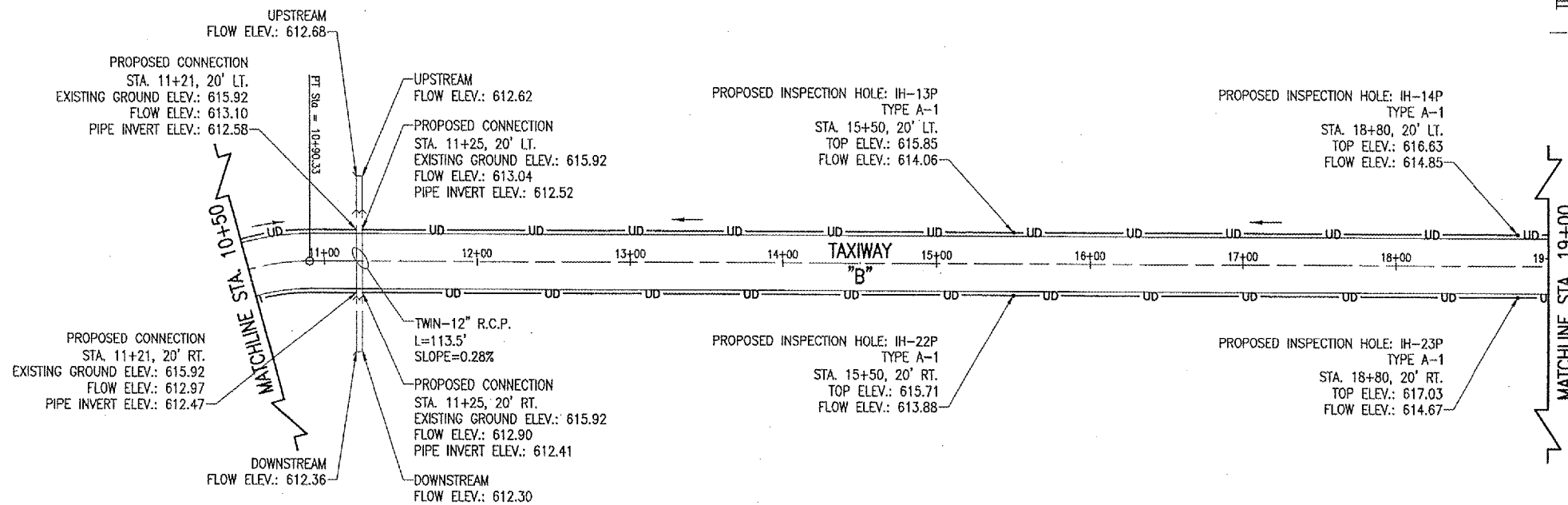
OVERLAY RWY. & APN.
 INSTALL UNDERDRAINS
 PROPOSED TAXIWAY "B"
 RIGHT UNDERDRAIN P&P
 STA. 10+50 TO STA. 19+00

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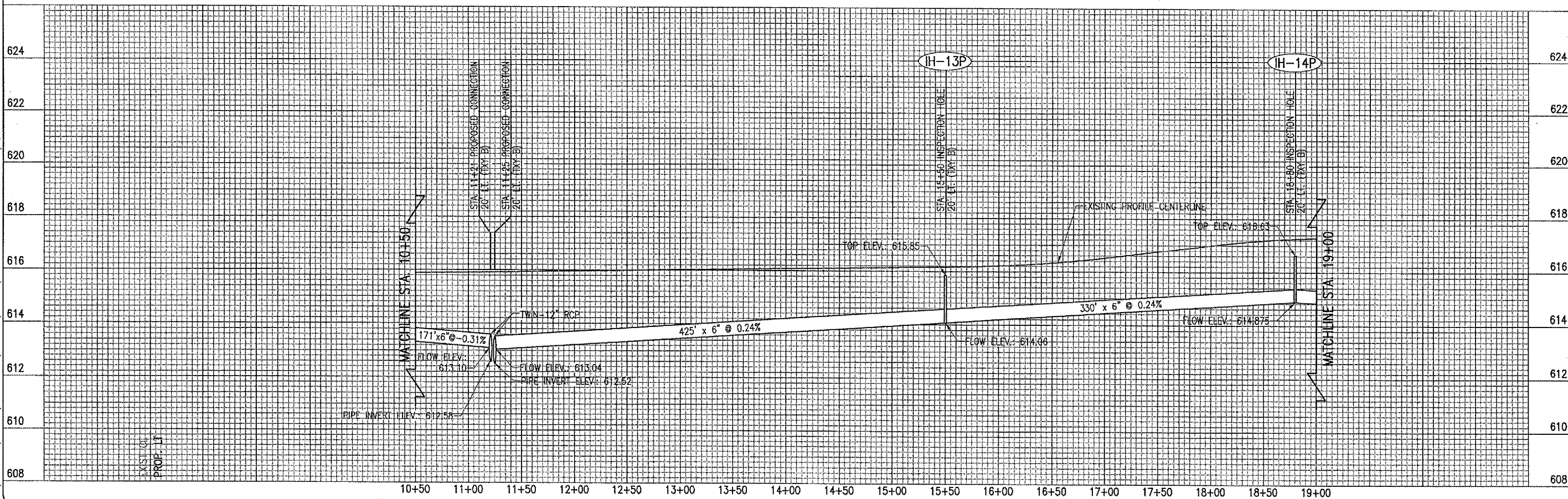
1+00 13+00 14+00 15+00 16+00 17+00 18+00 RUNWAY 18-36 19+00 20+00 21+00 22+00 2+

LEGEND

- EXISTING PAVEMENT
- EXISTING STORM SEWER
- PROPOSED UNDERDRAIN
- PROPOSED INSPECTION HOLE
- EXISTING ELECTRICAL DUCT
- EXISTING UNDERDRAIN
- EXISTING BASE MOUNT RUNWAY LIGHT
- EXISTING STAKE MOUNT RUNWAY LIGHT
- EXISTING STAKE MOUNT TAXIWAY LIGHT
- EXISTING STAKE MOUNT THRESHOLD LIGHT
- EXISTING TAXI GUIDANCE SIGN



SCALES:
1" = 50' HOR
1" = 2' VER

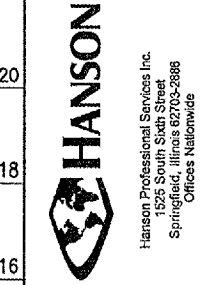


BY	REVISION	DATE

SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS

A.I.P. PROJ.: 3-17-0093-B7
IL PROJ.: 2HQ-3615

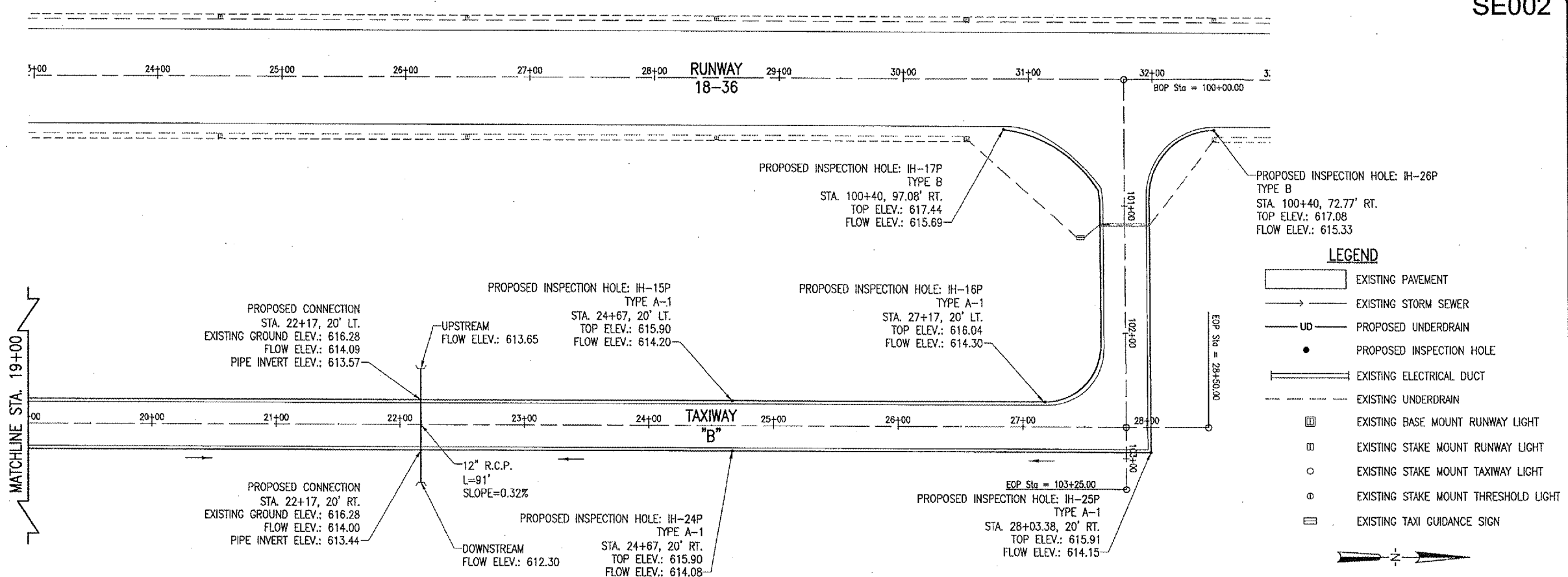
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Drawn R-703PMP-B-LI.DWG	CCC	05/01/06
Scale 1"=50' H., 1"=2' V.	RAW	05/31/06
Date 05/01/06		



OVERLAY RWY. & APN.
INSTALL UNDERDRAINS

PROPOSED TAXIWAY "B"
LEFT UNDERDRAIN P&P
STA. 10+50 TO STA. 19+00

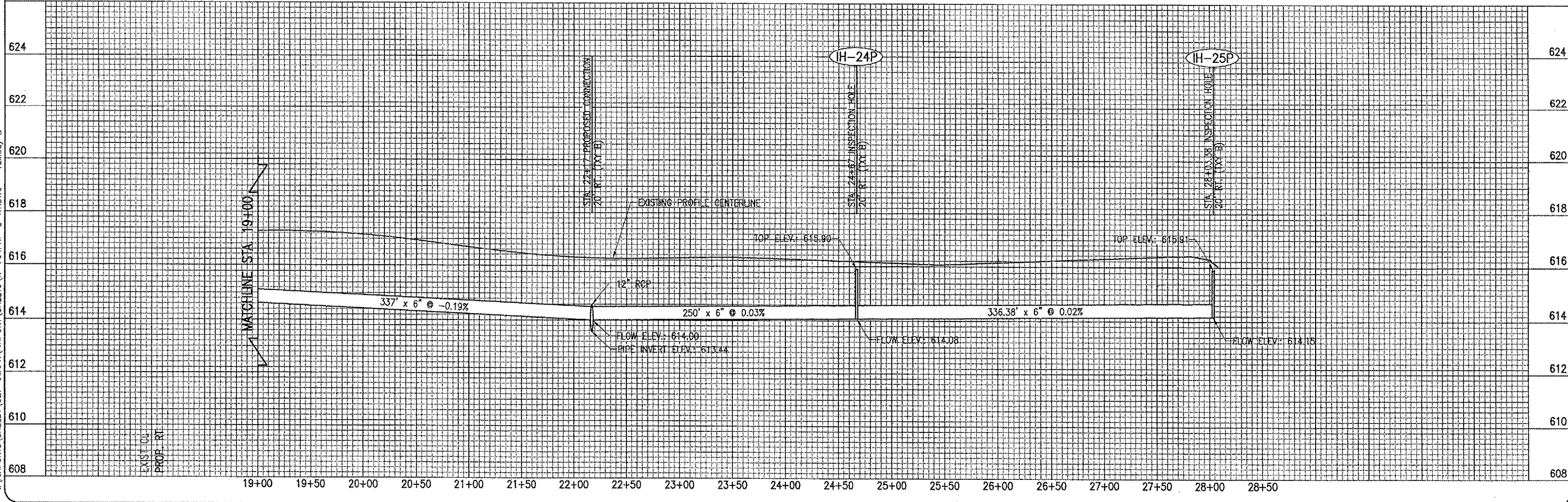
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LEGEND

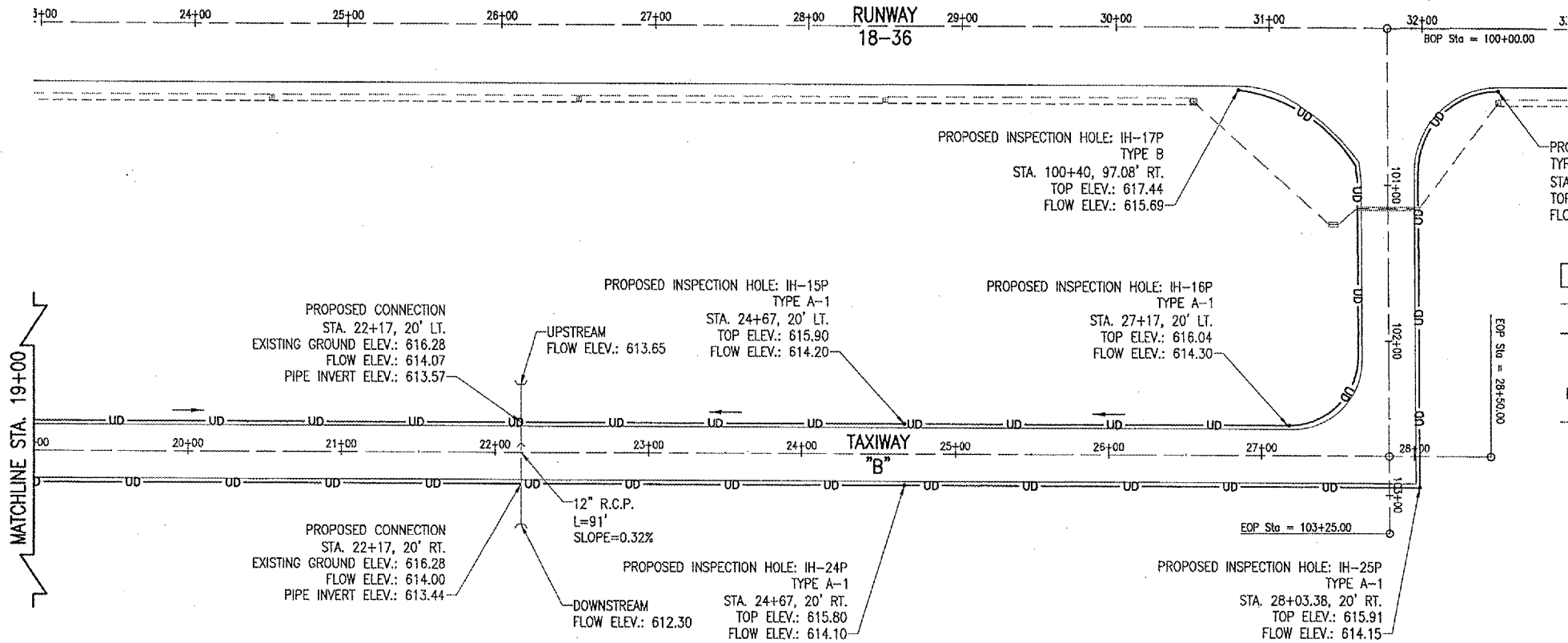
- EXISTING PAVEMENT
- EXISTING STORM SEWER
- PROPOSED UNDERDRAIN
- PROPOSED INSPECTION HOLE
- EXISTING ELECTRICAL DUCT
- EXISTING UNDERDRAIN
- EXISTING BASE MOUNT RUNWAY LIGHT
- EXISTING STAKE MOUNT RUNWAY LIGHT
- EXISTING STAKE MOUNT TAXIWAY LIGHT
- EXISTING STAKE MOUNT THRESHOLD LIGHT
- EXISTING TAXI GUIDANCE SIGN

SCALES:
 1" = 50' HOR
 1" = 2' VER



JUL 05, 2006 9:01 PM RAW
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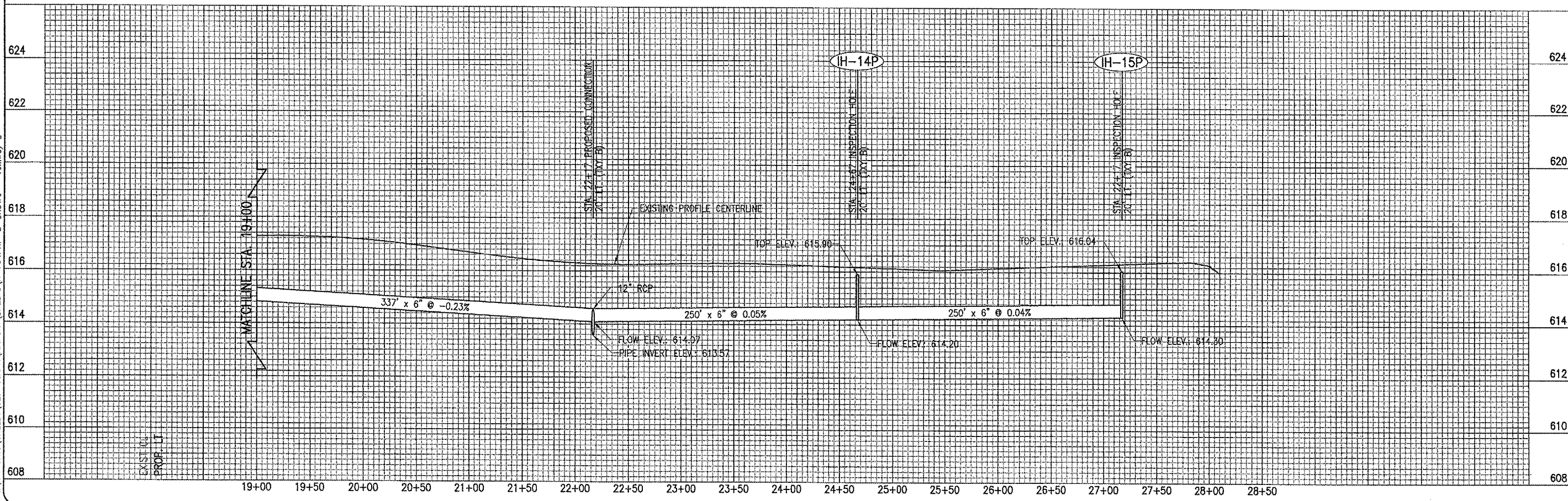
BY	
REVISION	
DATE	
SHELBY COUNTY AIRPORT SHELBYVILLE, ILLINOIS	
A.I.P. PROJ.: 3-17-0093-B7	
I.L. PROJ.: 2H0-3615	
FILE Project No. 827-06APN	05/01/06
Drawings R-704PNP-B-RT.DWG	CCC 05/01/06
Scale 1"=50' H, 1"=2' V	CCC 05/01/06
Date 05/01/06	RAW 05/31/06
LAYOUT	
DRAWN	
REVIEWED	
<p>Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2886 Offices Nationwide</p>	
OVERLAY RWY. & APN. INSTALL UNDERDRAINS PROPOSED TAXIWAY "B" RIGHT UNDERDRAIN P&P STA. 19+00 TO STA. 28+03.38	
29	
28 of 33 sheets	



LEGEND

- EXISTING PAVEMENT
- EXISTING STORM SEWER
- PROPOSED UNDERDRAIN
- PROPOSED INSPECTION HOLE
- EXISTING ELECTRICAL DUCT
- EXISTING UNDERDRAIN
- EXISTING BASE MOUNT RUNWAY LIGHT
- EXISTING STAKE MOUNT RUNWAY LIGHT
- EXISTING STAKE MOUNT TAXIWAY LIGHT
- EXISTING STAKE MOUNT THRESHOLD LIGHT
- EXISTING TAXI GUIDANCE SIGN

SCALES:
 1" = 50' HOR
 1" = 2' VER



DATE	REVISION	BY

SHELBY COUNTY AIRPORT
 SHELBYVILLE, ILLINOIS

IL PROJ.: 2HD-3615 A.I.P. PROJ.: 3-17-0093-B7

DATE	REVIEWED	DATE	REVIEWED
05/01/06	CCC	05/01/06	CCC
05/01/06	CCC	05/01/06	CCC
05/01/06	RAW	05/01/06	RAW



OVERLAY RWY. & APN.
 INSTALL UNDERDRAINS

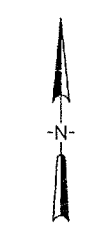
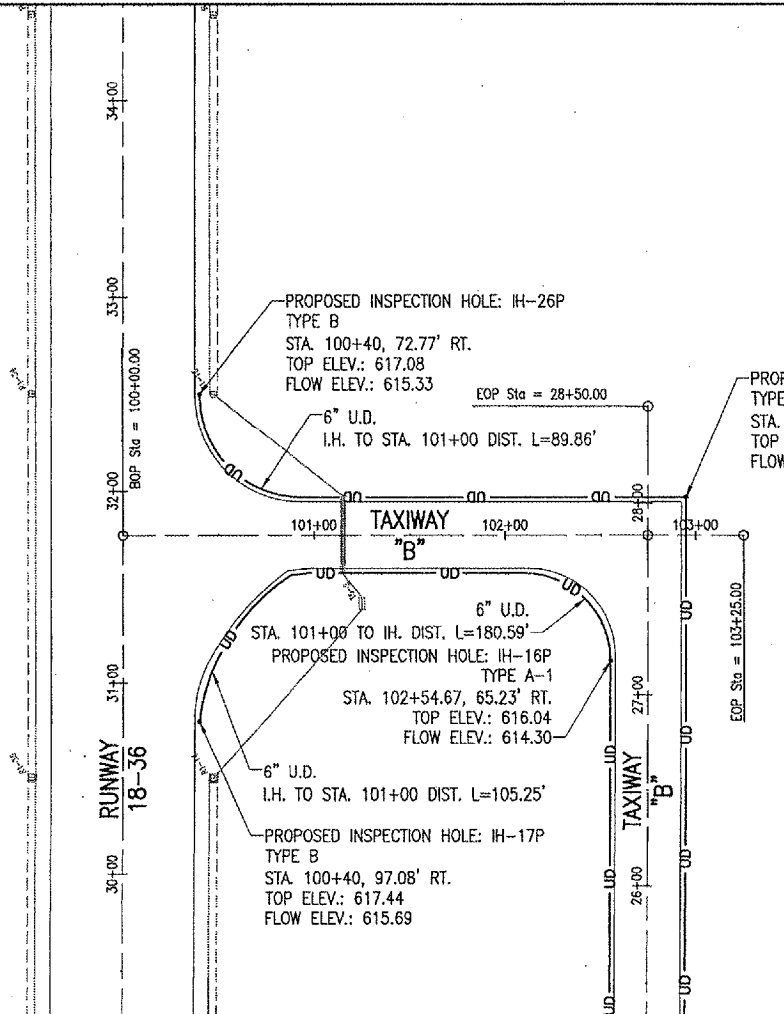
PROPOSED TAXIWAY "B"
 LEFT UNDERDRAIN P&P
 STA. 19+00 TO STA. 22+17

JUL 05, 2006 9:01 PM RAW
 I:\AIRPORTS\SHSELBY\827-08APN\AIRPORT_SHEETS\A-704P\NP-B-LT.DWG - Taxiway B

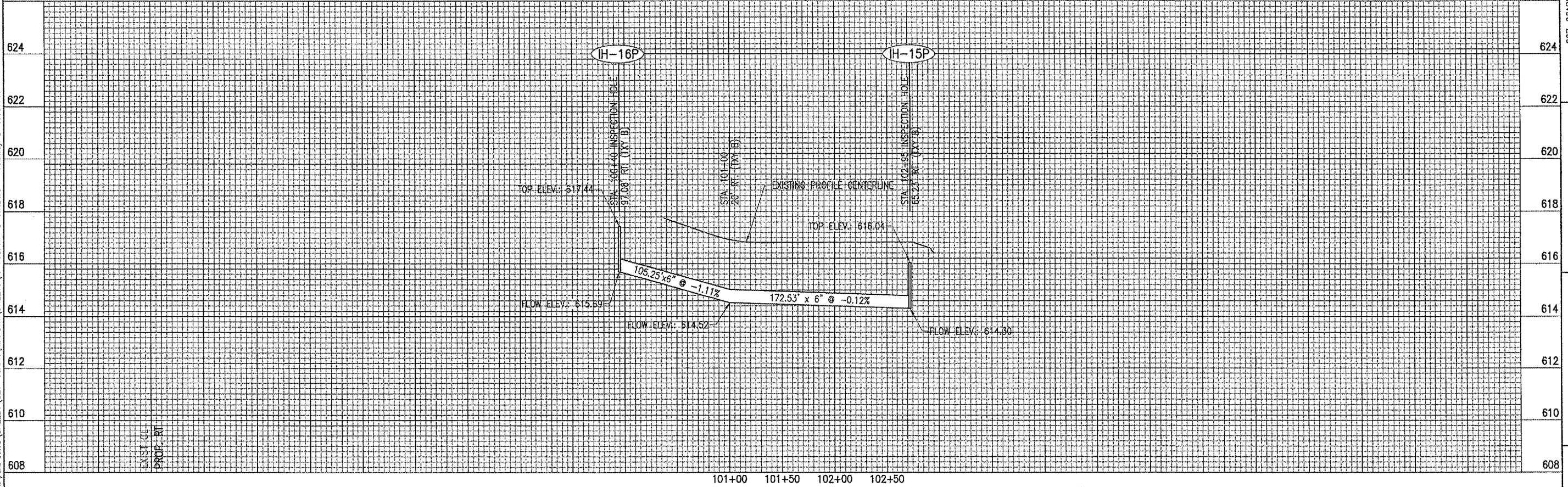
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SE002

- LEGEND**
- EXISTING PAVEMENT
 - EXISTING STORM SEWER
 - PROPOSED UNDERDRAIN
 - PROPOSED INSPECTION HOLE
 - EXISTING ELECTRICAL DUCT
 - EXISTING UNDERDRAIN
 - EXISTING BASE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT RUNWAY LIGHT
 - EXISTING STAKE MOUNT TAXIWAY LIGHT
 - EXISTING STAKE MOUNT THRESHOLD LIGHT
 - EXISTING TAXI GUIDANCE SIGN



SCALES:
 1" = 50' HOR
 1" = 2' VER



DATE	REVISION	BY						
SHELBY COUNTY AIRPORT SHELBYVILLE, ILLINOIS								
I.L. PROJ.: 214-3615 A.I.P. PROJ.: 3-17-0093-B7								
H&E Project No. 827-06APN Filename: R-705PNP-B-RT.DWG Scale: 1"=50' H., 1"=2' V. Date: 05/01/06		LAYOUT DRAWN REVIEWED	CCC CCC RAW	05/01/06 05/01/06 05/31/06				
Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2886 Offices Nationwide								
OVERLAY RWY. & APN. INSTALL UNDERDRAINS				PROPOSED TAXIWAY "B" RIGHT UNDERDRAIN P&P STA. 100+00 TO STA. 103+25				
31								
31 of 33 sheets								

901 SEEDING NOTES

THE PROPOSED SEEDING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 901 "SEEDING" AS STATED IN THE SPECIAL PROVISIONS.

A WORK AREA WIDTH OF 4' HAS BEEN SET ASIDE FOR THE CONTRACTOR TO INSTALL THE PROPOSED UNDERDRAIN PIPE AND THIS WORK AREA WILL BE SEEDDED IN ACCORDANCE WITH THE ABOVE NOTED SPECIFICATION. ALL AREAS OUTSIDE THE DESIGNATED WORK AREA LIMITS WILL ALSO BE SEEDDED BUT AT THE CONTRACTOR'S OWN EXPENSE.

ALL MATERIALS AND/OR DEBRIS RESULTING FROM THE SEEDING OPERATIONS WILL BE REMOVED FROM THE PAVEMENTS AND MISCELLANEOUS STRUCTURES PRIOR TO OPENING THE RUNWAY.

NO LIME WILL BE REQUIRED.

ANY COMMERCIALY AVAILABLE 12-12-12 FERTILIZER MIXTURE WILL BE APPLIED AT A RATE OF 0.14 POUNDS PER SQUARE YARD.

AN IDOT CLASS 2 ROADSIDE SEED MIXTURE WILL BE PLACED AT A RATE OF 0.04 POUNDS PER SQUARE YARD.

901-3.4 MAINTENANCE OF SEEDDED AREAS. DELETE THE SECOND PARAGRAPH OF THIS SECTION AND ADD THE FOLLOWING:

"THE CONTRACTOR WILL BE REQUIRED TO ESTABLISH A GOOD STAND OF GRASS OF UNIFORM COLOR AND DENSITY TO THE SATISFACTION OF THE RESIDENT ENGINEER. IF AT THE TIME WHEN THE CONTRACT HAS BEEN OTHERWISE COMPLETED, IT IS NOT POSSIBLE TO MAKE AN ADEQUATE DETERMINATION OF COLOR, DENSITY, AND UNIFORMITY OF SUCH STAND OF GRASS, THE ITEM OF WORK WILL BE REVIEWED AT A LATER DATE DETERMINED BY THE ILLINOIS DIVISION OF AERONAUTICS."

DATE SEEDING COMPLETED _____

THE PROPOSED SEEDING WILL BE PAID FOR UNDER ITEMS: AR901530 STRIP SEEDING 3,056 S.Y.

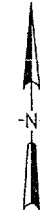
EXCELSIOR BLANKET NOTES

AN EROSION CONTROL MATERIAL (EXCELSIOR BLANKET) WILL BE INSTALLED OVER THE DESIGNATED WORK AREA AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

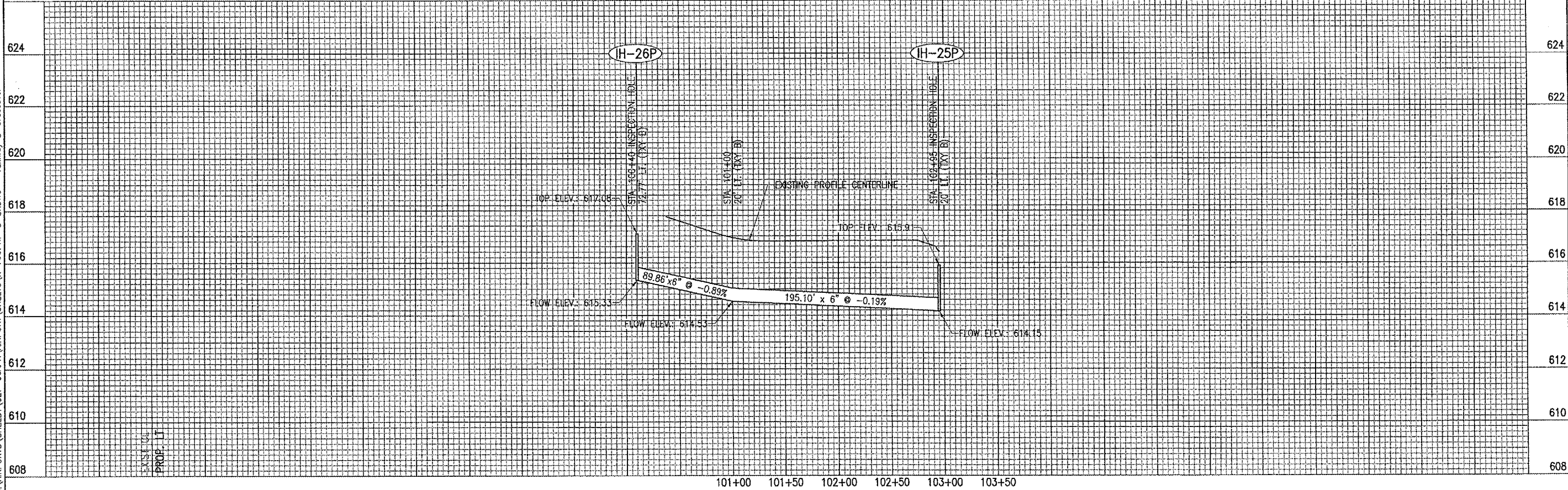
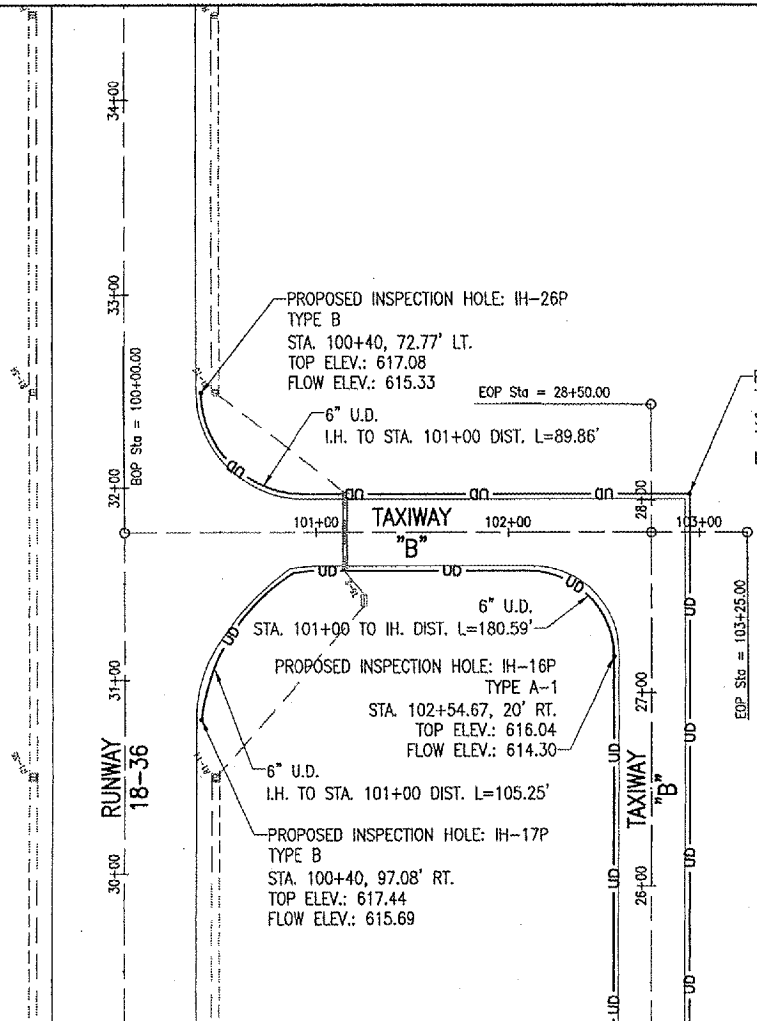
THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM AR908520 "EXCELSIOR BLANKET" 3,056 S.Y.

LEGEND

- EXISTING PAVEMENT
- EXISTING STORM SEWER
- PROPOSED UNDERDRAIN
- PROPOSED INSPECTION HOLE
- EXISTING ELECTRICAL DUCT
- EXISTING UNDERDRAIN
- EXISTING BASE MOUNT RUNWAY LIGHT
- EXISTING STAKE MOUNT RUNWAY LIGHT
- EXISTING STAKE MOUNT TAXIWAY LIGHT
- EXISTING STAKE MOUNT THRESHOLD LIGHT
- EXISTING TAXI GUIDANCE SIGN



SCALES:
1" = 50' HOR
1" = 2' VER



JUL 05, 2006 9:01 PM RAW I:\AIRPORTS\SHELBY\827-06APN\AIRPORT SHEETS\R-705PNP-B-LT.DWG - Taxiway B-Crossover

REVISION		SHELBY COUNTY AIRPORT SHELBYVILLE, ILLINOIS	DATE	
DATE			A.I.P. PROJ.: 3-17-0083-B7	
DATE			I.L. PROJ.: 2HQ-3615	
HEP	R-705PNP-B-LT.DWG	Scale: 1"=50' H., 1"=2' V.	Date: 05/01/06	05/01/06
LAYOUT	CCC	CCC	RAW	05/31/06
DRAWN	CCC	CCC	RAW	05/01/06
REVIEWED	RAW	RAW	RAW	05/31/06
		HANSON Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62705-2886 Offices Nationwide		
OVERLAY RWY. & APN. INSTALL UNDERDRAINS		PROPOSED TAXIWAY "B" LEFT UNDERDRAIN P&P STA. 100+00 TO STA. 103+25		
32		32 of 33 sheets		

705-UNDERDRAIN NOTES:

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

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

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

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

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

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

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

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

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

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

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

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

THE PROPOSED UNDERDRAIN PIPE WILL BE PAID FOR UNDER ITEM:
AR705526 6" PERFORATED UNDERDRAIN W/SOCK _____ 6,875 L.F.

THE PROPOSED POROUS BACKFILL WILL BE PAID FOR UNDER ITEM:
AR705410 POROUS BACKFILL _____ 1146 C.Y.

INSPECTION HOLE NOTES

DIAMETER OF PIPE AS SPECIFIED.

TOP OF INSPECTION HOLES SHALL BE 2" ABOVE FINISH GROUND LINE AT LOCATION SHOWN ON PLANS.

1/2" CHAMFER TO BE USED ON ALL EXPOSED EDGES OF INSPECTION HOLES.

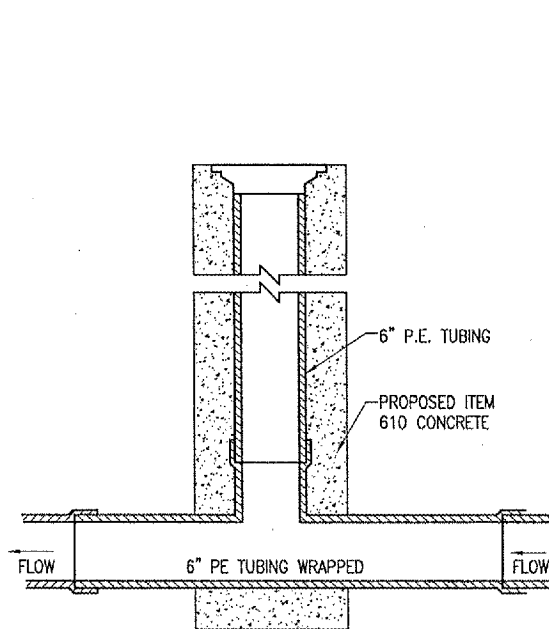
THE CONCRETE SHALL BE STRUCTURAL PORTLAND CEMENT CONCRETE (NON-REINFORCED).

NUMBER OF PROPOSED UNDERDRAIN INSPECTION HOLES:
TYPE A-1 - 15 EACH
TYPE A-2 = 6 EACH

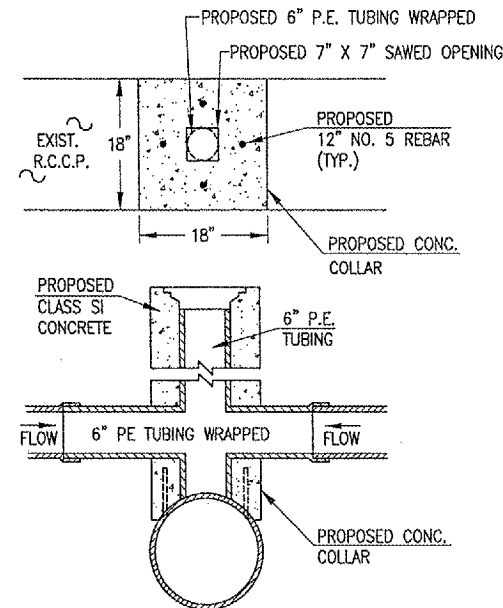
THE PROPOSED UNDERDRAIN INSPECTION HOLES WILL BE PAID FOR UNDER ITEM
AR705530 UNDERDRAIN INSPECTION HOLE _____ 21 EACH.
AR705640 UNDERDRAIN CLEANOUT _____ 5 EACH.

POROUS BACKFILL NOTES

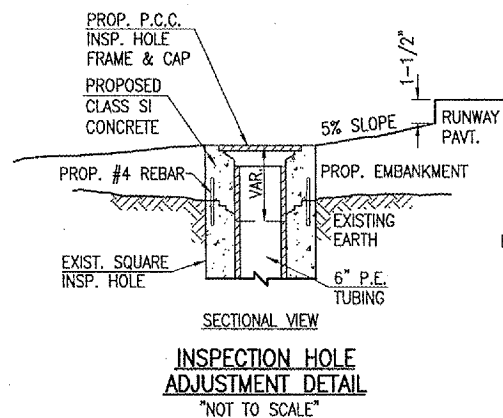
THE QUANTITY OF POROUS BACKFILL WAS CALCULATED USING AN AVERAGE DEPTH OF 36" AND AVERAGE WIDTH OF 18". THE MINIMUM TRENCH WIDTH IS 12".



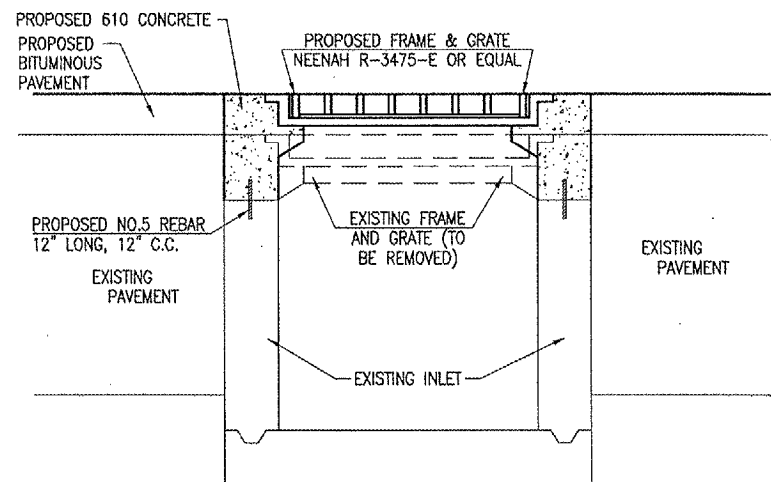
INSPECTION HOLE DETAIL - TYPE A-1
"NOT TO SCALE"



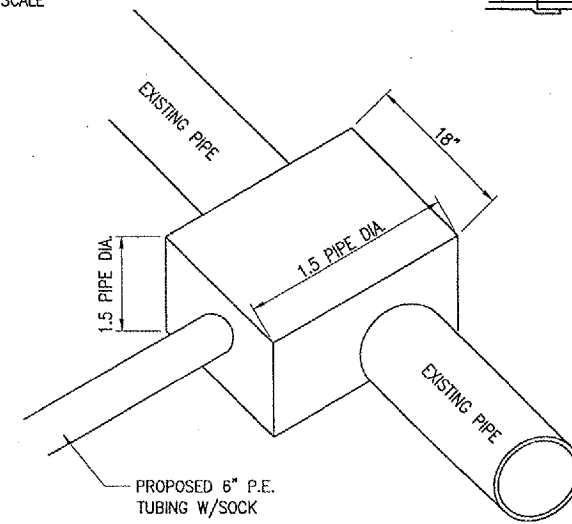
INSPECTION HOLE DETAIL - TYPE A-2
"NOT TO SCALE"



INSPECTION HOLE ADJUSTMENT DETAIL
"NOT TO SCALE"



PROPOSED INLET ADJUSTMENT DETAIL
"NOT TO SCALE"



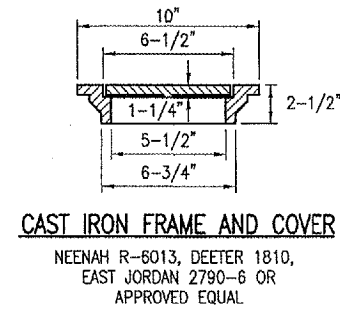
CONCRETE COLLAR DETAIL
NOT TO SCALE

NOTES

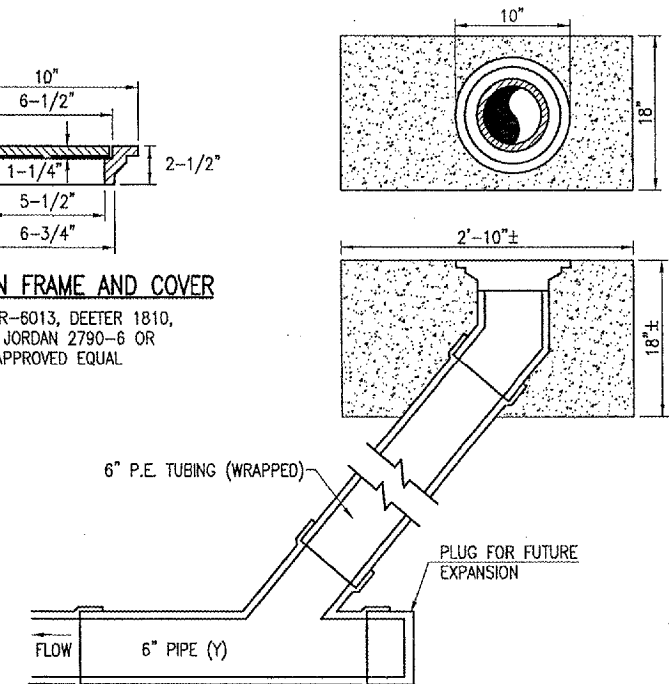
THE EXISTING INLET WILL BE ADJUSTED AS SHOWN ON THE DETAIL ON THIS SHEET AND IN ACCORDANCE TO THE SPECIAL PROVISIONS.

THE EXISTING FRAME SHALL BE JACKHAMMERED FROM THE EXISTING INLET AND A NEW FRAME RESET AS SHOWN IN THE DETAIL AND IN ACCORDANCE WITH SHEET NO. 13

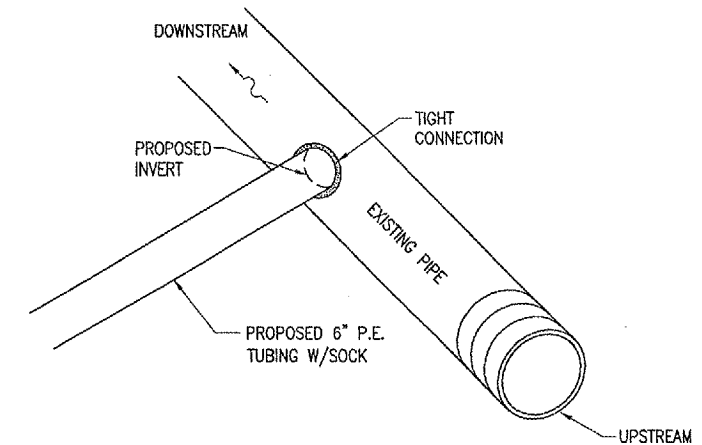
THE PROPOSED INLET ADJUSTMENT WILL BE PAID FOR UNDER THE FOLLOWING:
AR751940 "ADJUST INLET" _____ 1 EACH.



CAST IRON FRAME AND COVER
NEENAH R-6013, DEETER 1810,
EAST JORDAN 2790-6 OR
APPROVED EQUAL



UNDERDRAIN CLEANOUT - TYPE B
"NOT TO SCALE"



DISCHARGE INTO C.M.P. DETAIL
NOT TO SCALE

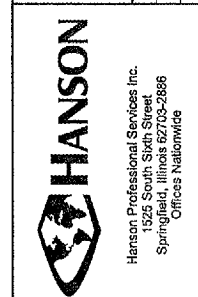
NOTE: THE CONNECTION OF THE UNDERDRAIN INTO THE EXISTING PIPE (CMP AND RCP) WILL BE CONSTRUCTED IN ACCORDANCE WITH ITEM 705 "PIPE UNDERDRAINS FOR AIRPORTS" INCLUDED IN THE SUPPLEMENTAL AND RECURRING SPECIAL PROVISIONS DATED JULY 1, 2004 AND THE DETAILS ON THIS SHEET. THE CONNECTION SHALL BE CONSTRUCTED TO THE INVERT ELEVATIONS SHOWN ON THESE CONSTRUCTION PLANS. ONCE THE UNDERDRAIN PIPE HAS BEEN CONNECTED INTO THE EXISTING PIPE THE CONTRACTOR WILL POUR A CONCRETE COLLAR AROUND THE CONNECTION AS SHOWN IN THE DETAIL ON THIS SHEET. THE CONNECTION OF THE UNDERDRAIN TO THE EXISTING PIPE SHALL BE CONSIDERED INCIDENTAL TO ITEM AR705526 - 6" PERFORATED UNDERDRAIN W/SOCK, INCLUDING ALL LABOR, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE TASK, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SE002

BY	
REVISION	
DATE	

SHELBY COUNTY AIRPORT
SHELBYVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0093-87
IL PROJ.: 240-3615

REVISED	06/05/06
DRAWN	06/05/06
LAYOUT	06/05/06
DATE	06/06/06
SCALE	N/A
DESIGNER	R-531DRN.DWG
PROJECT NO.	827-06APN



OVERLAY RWY. & APN.
INSTALL UNDERDRAINS
PROPOSED DRAINAGE DETAILS

JUL 05, 2006 8:59 PM RAW
I:\AIRPORTS\SHELBY\827-06APN\AIRPORT SHEETS\R-531DRN.DWG - Details