

CONSTRUCTION PLANS

FOR

TAYLORVILLE MUNICIPAL AIRPORT

TAYLORVILLE, CHRISTIAN COUNTY, ILLINOIS

CONSTRUCT RUNWAY 9-27

SCOPE OF WORK

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW 3,500 FT. X 60 FT. EAST-WEST RUNWAY WITH A CONNECTING TAXIWAY SYSTEM. ASSOCIATED WORK INCLUDES BUILDING DEMOLITION, CLEARING, GRUBBING, GRADING, DRAINAGE, PAVING, LIGHTING, MARKING, SEEDING, MULCHING, AND THE REMOVAL AND REPLACEMENT OF THE AIRPORT'S ELECTRICAL VAULT.

ALTERNATE 'A'

ALTERNATE 'A' CONSISTS OF A 5" PCC PAVEMENT WITH A 4" AGGREGATE SUBBASE AND LIME MODIFIED SUBGRADE PROCESSING.

ALTERNATE 'B'

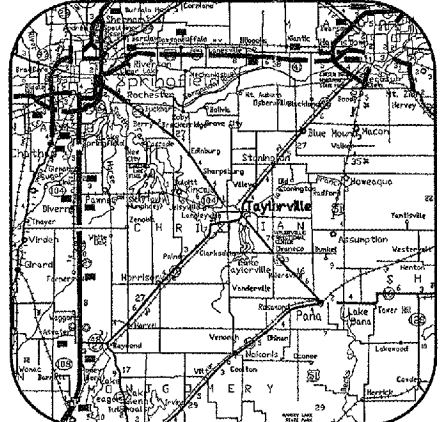
ALTERNATE 'B' CONSISTS OF A 1-1/2" BITUMINOUS SURFACE COURSE, 2-1/2" BITUMINOUS BASE COURSE, 6" OF AGGREGATE SUBBASE AND LIME MODIFIED SUBGRADE PROCESSING.

FOR ELECTRICAL DESIGN

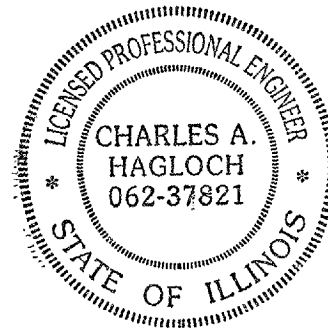


HANSON
Hanson Professional Services Inc.
ELECTRICAL ENGINEER

Submitted by: *Kevin N. Lightfoot* ENG'R
Date Submitted: 4/21/2005
Lic. Exp. Date: 11/30/2005



LOCATION MAP



HANSON
Hanson Professional Services Inc.
CIVIL AND AIRPORT ENGINEER

Submitted by: *Charles A. Hagloch* ENG'R
Date Submitted: 4/21/2005
Lic. Exp. Date: 11/30/2005

ILL. PROJ. TAZ-3166
A.I.P. PROJ. 3-17-0100-B7

LATITUDE: 39° 32' 03"
LONGITUDE: 89° 19' 40"
ELEVATION: 622.0' M.S.L.
DATE: MARCH 25, 2005

CITY OF TAYLORVILLE

Approved: _____ MAYOR
Date: 4/19/05
Approved: *James J. Peabody* CITY CLERK
Date: 4/19/05

BY									
REVISION									
DATE									
TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, ILLINOIS									
REVISION									
DATE									
TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, ILLINOIS									
REVISION									
DATE									
TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, ILLINOIS									
CONSTRUCT RUNWAY 9-27 COVER SHEET									
1									
1 of 127 sheets									

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33	PROPOSED STAKING PLAN STA. 105+00 TO STA. 121+00	97	PROPOSED RUNWAY CROSS-SECTIONS STA. 131+50 TO STA. 132+00
34	PROPOSED STAKING PLAN STA. 121+00 TO STA. 129+00	98	PROPOSED RUNWAY CROSS-SECTIONS STA. 132+50 TO STA. 133+00
35	PROPOSED STAKING PLAN STA. 129+00 TO STA. 138+50	99	PROPOSED RUNWAY CROSS-SECTIONS STA. 133+50 TO STA. 133+67
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53	PROPOSED ELECTRICAL DETAILS	117	PROPOSED DITCH CROSS-SECTIONS STA. 363+50 TO STA. 365+00
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DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

I.L. Project No. 828-03RWYCD.0800 Filename: R-002FLP.DWG NTS Scale: 02/05/04 Date: 02/05/04	LAYOUT DRAWN REVIEWED	JMB JMB CAH	02/05/04 02/05/04 xx/xx/xx
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CONSTRUCT
RUNWAY 9-27

INDEX TO SHEETS

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	AS AWARDED QUANTITIES	AS BUILT QUANTITIES	ITEM NO.	DESCRIPTION	UNIT	AS AWARDED QUANTITIES	AS BUILT QUANTITIES
BASE BID					ALTERNATE 'A'				
AR107408	L-806 WIND CONE-8' LIGHTED	EA.	2		AS152410	UNCLASSIFIED EXCAVATION	C.Y.	73,026	
AR107900	REMOVE WIND CONE	EA.	1		AS209510	CRUSHED AGGREGATE BASE COURSE	TON	7,200	
AR108158	1/C #8 5 KV UG CABLE IN UD	L.F.	15,408		AS501505	5" PCC PAVEMENT	S.Y.	29,563	
AR108656	3/C #6 600 V UG CABLE IN UD	L.F.	31,150		AS501530	PCC TEST BATCH	EACH	1	
AR109100	CONSTRUCT ELECTRICAL VAULT	L.S.	1		ALTERNATE 'B'				
AR109200	INSTALL ELECTRICAL EQUIPMENT	L.S.	1		AT152410	UNCLASSIFIED EXCAVATION	C.Y.	73,391	
AR109901	REMOVE ELECTRICAL VAULT	L.S.	1		AT201610	BITUMINOUS BASE COURSE	TON	4,491	
AR110014	4" DIRECTIONAL BORE	L.F.	1,142		AT201630	BITUMINOUS BASE TEST SECTION	EACH	1	
AR110502	2-WAY CONCRETE ENCASED DUCT	L.F.	41		AT209510	CRUSHED AGGREGATE BASE COURSE	TON	10,588	
AR110504	4-WAY CONCRETE ENCASED DUCT	L.F.	72		AT401610	BITUMINOUS SURFACE COURSE	TON	2,661	
AR110610	ELECTRICAL HANDHOLE	EA.	2		AT401630	BITUMINOUS SURFACE TEST SECTION	EACH	1	
AR125410	MITL-STAKE MOUNTED	EA.	57		AT602510	BITUMINOUS PRIME COAT	GAL.	10,741	
AR125415	MITL-BASE MOUNTED	EA.	5		AT603510	BITUMINOUS TACK COAT	GAL.	1,497	
AR125444	TAXI GUIDANCE SIGN, 4 CHARACTER	EA.	2						
AR125446	TAXI GUIDANCE SIGN, 6 CHARACTER	EA.	2						
AR125505	MIRL, STAKE MOUNTED	EA.	26						
AR125510	MIRL, BASE MOUNTED	EA.	9						
AR125540	MI THRESHOLD LIGHT STAKE MTD	EA.	14						
AR125610	REILS	PAIR	2						
AR125630	PLASI	EA	2						
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1						
AR150540	HAUL ROUTE	L.S.	1						
AR151450	CLEARING AND GRUBBING	AC.	13						
AR152610	BUILDING DEMOLITION	L.S.	1						
AR155540	BY-PRODUCT LIME	TON	1,173						
AR155616	SOIL PROCESSING-16"	S.Y.	31,277						
AR156510	SILT FENCE	L.F.	2,750						
AR156511	DITCH CHECK	EA.	23						
AR156512	BALES	EA.	40						
AR156520	INLET PROTECTION	EA.	2						
AR156530	TEMPORARY SEEDING	AC	23						
AR156531	EROSION CONTROL BLANKET	S.Y.	12,328						
AR156540	RIPRAP	S.Y.	238						
AR161510	CLASS C FENCE	L.F.	10,497						
AR161624	CLASS C GATE-24'	EA.	2						
AR162504	CLASS E FENCE 4'	L.F.	1,042						
AR162605	CLASS E GATE-5'	EA.	2						
AR162624	CLASS E GATE-24'	EA.	1						
AR162900	REMOVE CLASS E FENCE	L.F.	203						
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	13,582						
AR620525	BLACK BORDER	S.F.	5,711						
AR701515	15" RCP CLASS IV	L.F.	120						
AR701518	18" RCP CLASS IV	L.F.	228						
AR701536	36" RCP CLASS IV	L.F.	160						
AR705526	6" PERFORATED UNDERDRAIN W/ SOCK	L.F.	10,091						
AR705546	6" NON PERFORATED UNDERDRAIN	L.F.	500						
AR705548	8" NON PERFORATED UNDERDRAIN	L.F.	500						
AR705550	10" NON PERFORATED UNDERDRAIN	L.F.	500						
AR705630	UNDERDRAIN INSPECTION HOLE	EACH	25						
AR751410	INLET	EACH	2						
AR752415	PRECAST REINFORCED CONC. FES 15"	EACH	2						
AR752418	PRECAST REINFORCED CONC. FES 18"	EACH	4						
AR752636	CONCRETE HEADWALL 36"	EACH	2						
AR800152	EXPLORATORY TRENCH	L.F.	3,700						
AR800429	FIELD TILE TRACING	EACH	10						
AR800575	WEED CONTROL LIGHT RING	EACH	111						
AR800576	INSTALL GROUND ROD	EACH	5						
AR800578	LIME AND FERTILIZE	AC.	6						
AR901510	SEEDING	AC.	45						
AR908510	MULCHING	AC.	45						

BY	
REVISION	
DATE	

**TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS**

IL Project No. 028-03RWGD_0800	02/05/04
Drawings R-002FLP.DWG	
Scale NTS	
Date 02/05/04	
LAYOUT	RAW 02/18/05
DRAWN	BAK 02/18/05
REVIEWED	CAH 03/28/05



**CONSTRUCT
RUNWAY 9-27**

SUMMARY OF QUANTITIES

SCOPE OF WORK

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW 3,500 FT. x 60 FT. EAST-WEST RUNWAY WITH A CONNECTING TAXIWAY SYSTEM. ASSOCIATED WORK WILL INCLUDE BUILDING DEMOLITION, CLEARING, GRUBBING, GRADING, DRAINAGE, PAVING, LIGHTING, MARKING, SEEDING, AND MULCHING, AND THE REMOVAL AND REPLACEMENT OF THE AIRPORT'S ELECTRICAL VAULT.

HEIGHT OF CONSTRUCTION EQUIPMENT

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A SEMI 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 APPROXIMATELY 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 RESTORE IT TO ITS ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE AND PARKING AREA WILL BE CONSIDERED INCIDENTAL TO ITEM AR150540 - HAUL ROUTE 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.

NO UNPROTECTED TRENCHES OR HOLES, WITHIN 200' OF 18-36 WHEN IT IS CLOSED AND BEING READIED TO REOPEN, WILL REMAIN OPEN OVERNIGHT. IF A HOLE OR TRENCH IS TO REMAIN OPEN IT MUST BE PROTECTED WITH BARRICADES OR CONES AT THE DISCRETION OF THE RESIDENT ENGINEER.

RUNWAY AND TAXIWAY CLOSURE

RUNWAY 18-36 WILL REQUIRE CLOSURE ANYTIME WORK IS BEING COMPLETED WITHIN 200-FT OF ITS CENTERLINE. A TAXIWAY WILL REQUIRE CLOSURE ANYTIME WORK IS COMPLETED WITHIN 66 FT OF THE TAXIWAY CENTERLINE. THE CONTRACTOR WILL BE REQUIRED TO NOTIFY THE AIRPORT MANAGER NO LESS THAN 48 HOURS IN ADVANCE OF THE INTENDED CLOSURE TO ENSURE AN ADEQUATE AMOUNT OF TIME IS AVAILABLE TO ISSUE A NOTICE TO AIRMEN (NOTAM) REGARDING THE CLOSURE AND THE EXISTENCE OF EQUIPMENT IN THE AREA. THE NOTAM WILL BE ISSUED BY AIRPORT PERSONNEL. DURING TIMES OF CLOSURE THE WORK WITHIN THE 200-FT OFFSET AREA IS TO BE EXPEDITED TO MINIMIZE THE LENGTH OF THE CLOSURE, AND NO CLOSURE OF RUNWAY 18-36 WILL BE ALLOWED FROM 5 P.M. EACH FRIDAY UNTIL THE FOLLOWING MONDAY AT 7 A.M. ALL WORK INCLUDED IN OPENING AND CLOSING THE RUNWAY WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

STEPS TO OPEN RUNWAY OR TAXIWAY

- 1) THE PAVEMENT WILL BE SWEEP BY A POWER BROOM TO REMOVE ANY AND ALL DEBRIS FROM THE PAVEMENT.
- 2) THE AREA WITHIN 200 FEET OF A RUNWAY CENTERLINE AND 66 FEET OF A TAXIWAY CENTERLINE MUST BE SMOOTH GRADED WITH A 1% - 5% SLOPE AWAY FROM THE PAVEMENT EDGE. THE PAVEMENT EDGE DROP-OFF CAN NOT EXCEED 3 INCHES. NO HOLES OR MOUNDS WILL BE PERMITTED WITHIN THE AREA.
- 3) ALL PERSONNEL AND EQUIPMENT WILL BE OUT OF THE 200 FEET AND 66 FEET LIMITS.
- 4) ALL RUNWAY AND TAXIWAY LIGHTING CIRCUITS WILL BE OPERATIONAL.
- 5) RUNWAY AND TAXIWAY CENTERLINE MARKING, IF OBLITERATED, WILL BE REMARKED.
- 6) THE CLOSED PAVEMENTS WILL BE VISUALLY INSPECTED BY AIRPORT PERSONNEL PRIOR TO OPENING. THE CONTRACTOR WILL MAKE ANY CORRECTIONS REQUIRED AS A RESULT OF THE INSPECTION.

150-ENGINEER'S FIELD OFFICE NOTES

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

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

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

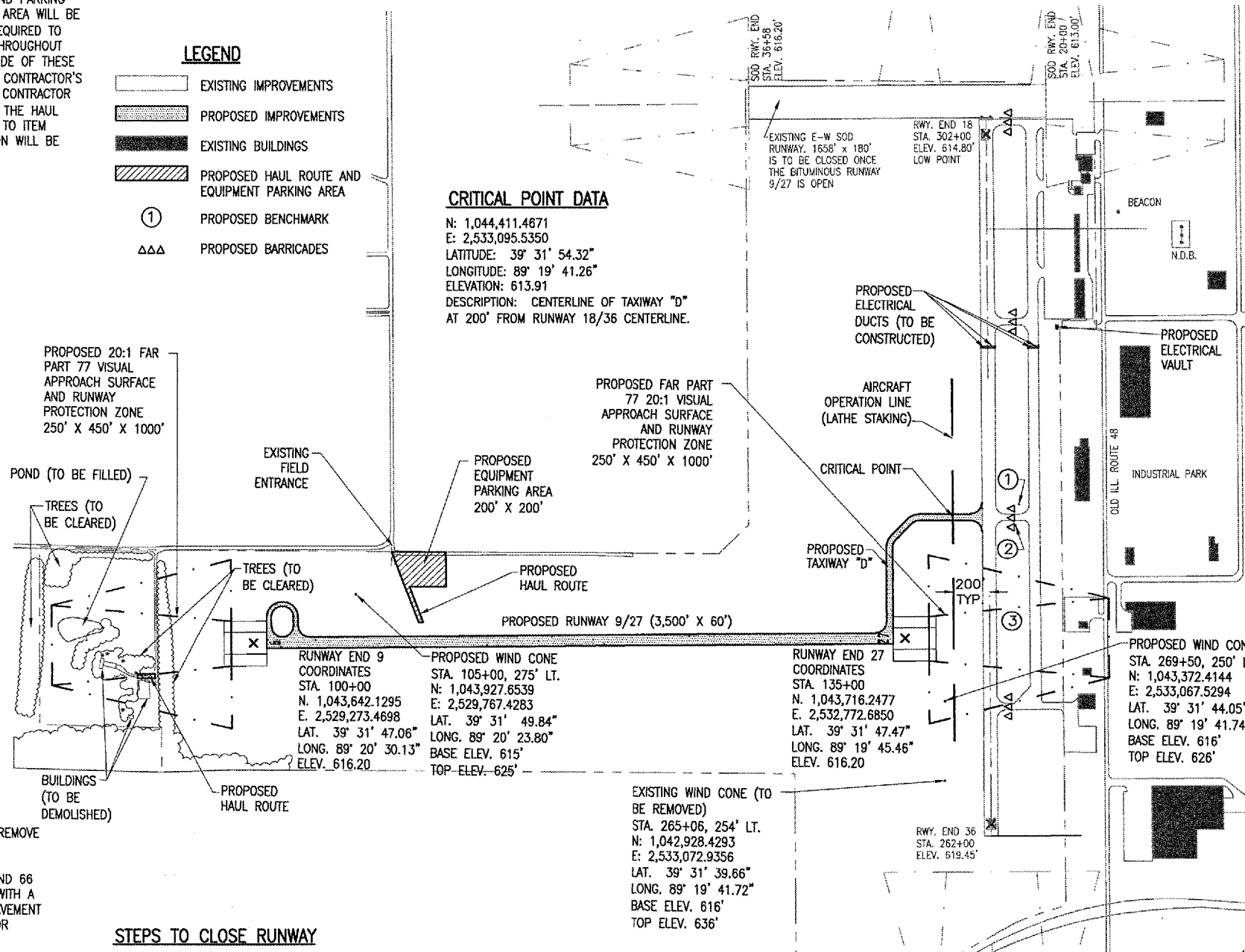
THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE PAID FOR UNDER ITEMS: AR150510 ENGINEER'S FIELD OFFICE 1 L.S.

LEGEND

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

CRITICAL POINT DATA

N: 1,044,411.4671
E: 2,533,095.5350
LATITUDE: 39° 31' 54.32"
LONGITUDE: 89° 19' 41.26"
ELEVATION: 613.91
DESCRIPTION: CENTERLINE OF TAXIWAY "D" AT 200' FROM RUNWAY 18/36 CENTERLINE.

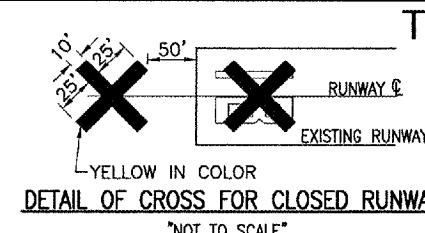


BENCHMARK DATA

NO.	DESCRIPTION	ELEV.
1	"TAYPORT", STAINLESS STEEL ROD	614.22
2	CHISELED "C" ON SW CORNER OF CONC. PAD, "36-18" SIGN	616.05
3	CHISELED "C" ON SW CORNER OF CONC. PAD OF DROP INLET	616.05

EROSION CONTROL

THIS PROJECT WILL DISTURB MORE THAN 1 ACRE OF LAND, THEREFORE AN N.P.D.E.S. PERMIT WILL BE REQUIRED.



NOTE:

COST OF CONSTRUCTING, PLACING, MAINTAINING AND REMOVING CROSSES WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CROSSES WILL BE YELLOW IN COLOR AND SHALL BE MADE OF A SUITABLE MATERIAL AS APPROVED BY THE RESIDENT ENGINEER. THE CROSSES WILL BE PLACED OVER THE NUMERALS AND SECURED IN A MANNER APPROVED BY THE RESIDENT ENGINEER. 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.

WHEN THE EAST-WEST RUNWAY BEGINS TO LOOK LIKE A RUNWAY, CROSSES WILL BE PLACED 50' OFF THE END OF THE EAST-WEST RUNWAY.

J.U.L.I.E. INFORMATION

COUNTY: CHRISTIAN
CITY: TAYLORVILLE
TOWNSHIP: TAYLORVILLE
SECTION NO.: 32
ADDRESS: TAYLORVILLE MUNICIPAL AIRPORT
R.R. 3, BOX 364
TAYLORVILLE, IL 62568

UTILITY NOTE

THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND AGENCIES WHICH HAVE LINES OR CONDUITS TO 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.

PROPOSED SAFETY PLAN

GENERAL - THE TAYLORVILLE MUNICIPAL AIRPORT IS COMPRISED OF A NORTH-SOUTH RUNWAY AND A SOD STRIP. THE PROPOSED CONSTRUCTION WILL NECESSITATE CLOSING THE NORTH-SOUTH RUNWAY ANY TIME THE CONTRACTOR IS WORKING WITHIN 200' OF THE RUNWAY CENTERLINE. THE RUNWAY WILL BE CLOSED ONLY DURING THE CONSTRUCTION DAY. AT THE END OF EACH CONSTRUCTION DAY THE CONTRACTOR WILL SMOOTH GRADE ALL AREAS WITHIN THE SAFETY AREA TO THE SATISFACTION OF THE RESIDENT ENGINEER AND RE-OPEN THE 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 TAYLORVILLE MUNICIPAL 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.

BARRICADES, TRAFFIC CONES, AND LATHE STAKING

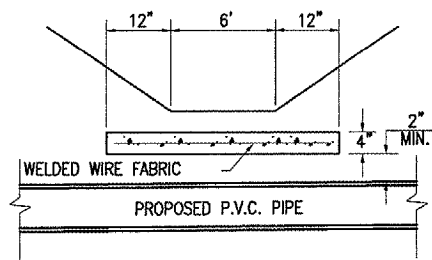
IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES, TRAFFIC CONES, AND LATHE STAKING AS SHOWN AND AT THE DISCRETION OF THE RESIDENT ENGINEER. THE BARRICADES ON THE TAXIWAYS WILL BE REMOVED WHILE RUNWAY 18-36 IS OPEN AND ERRECTED UPON THE RUNWAY CLOSURE. THE BARRICADES WILL BE EQUIPPED WITH RED FLASHING OR STEADY BURN LIGHTS AND 20" SQUARE ORANGE FLAGS. THE CONTRACTOR WILL BE REQUIRED TO PLACE LATHE STAKING AT THE AIRCRAFT OPERATIONAL LIMIT, THE 200-FT OFFSET FROM RUNWAY 18-36, TO PROVIDE A VISUAL INDICATION TO THE WORKERS AND DRIVERS IN THE AREA THE BOUNDARY TO WHICH THEY MUST REMAIN BEHIND WHILE RUNWAY 18-36 IS ACTIVE. THE BARRICADES, CONES, AND LATHE STAKING, THEIR MAINTENANCE, PLACEMENT, AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

TA001
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
CONSTRUCT RUNWAY 9-27
PROPOSED SAFETY PLAN
4
4 of 127 sheets

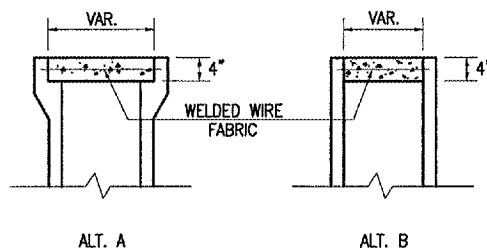
MAY 04, 2005 9:00 AM RAW
I:\AIRPORTS\TAYLORVILLE\828-03RWYGD\AIRPORT_SHEETS\R-0035\FY.DWG - SAFETY

TA001

WIDTH OF CONCRETE SLAB SHALL BE THE SAME AS THE TRENCH WIDTH IN ACCORDANCE WITH IDOT SEC. 550 OF THE STANDARD SPECIFICATIONS.

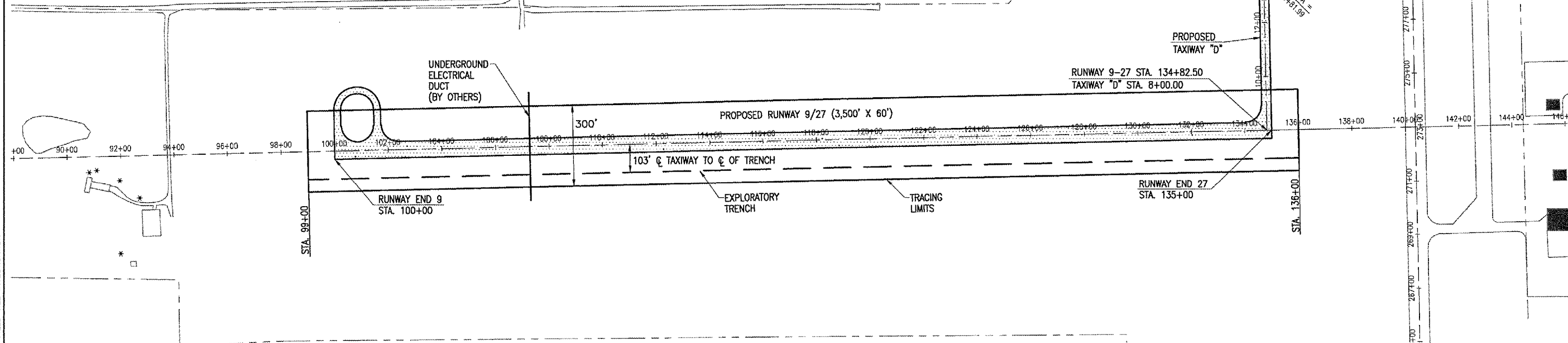
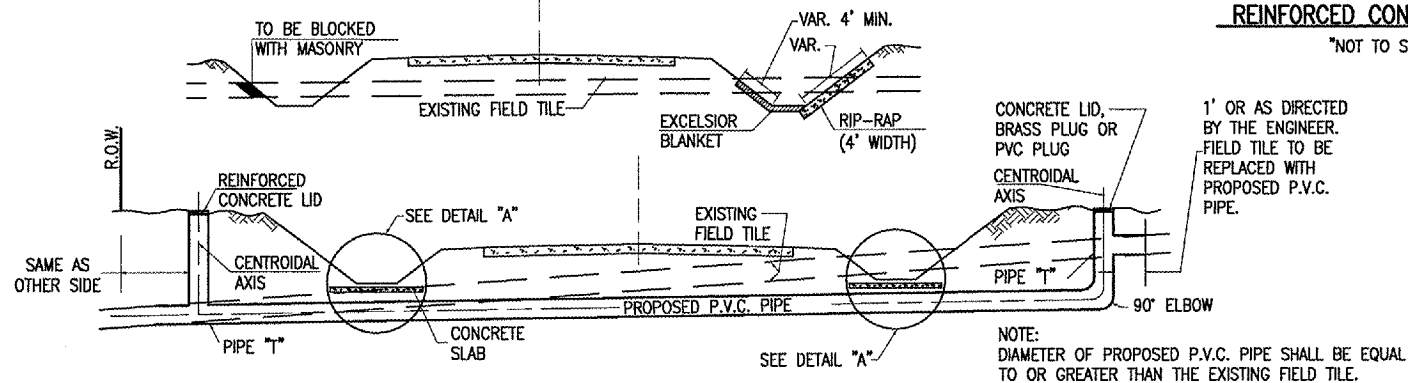


DETAIL "A"
"NOT TO SCALE"



ALT. A ALT. B
DIMENSIONS WILL VARY TO MATCH NOMINAL SIZE OF PROPOSED P.V.C. PIPE.

REINFORCED CONCRETE LID DETAIL
"NOT TO SCALE"



LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS

NOTES

EXISTING FIELD TILE SHALL BE LOCATED BOTH HORIZONTALLY AND VERTICALLY BY THE USE OF AN EXPLORATION TRENCH. THIS TRENCH SHALL BE NOT LESS THAN 54 INCHES IN DEPTH, MEASURED FROM THE EXISTING GROUND ELEVATION. THE WIDTH OF THE TRENCH SHALL BE SUFFICIENT TO ALLOW PROPER INVESTIGATION OF THE EXISTING TRENCH. THE TRENCH SHALL BE APPROXIMATELY 103' RT. FROM THE PROPOSED RUNWAY CENTERLINE.

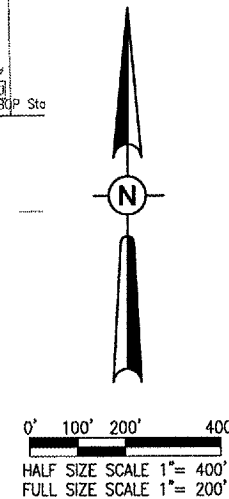
THE EXISTING TILE DRAINAGE SYSTEM SHALL BE MAINTAINED IN A FUNCTIONAL CONDITION BY IMMEDIATE CONSTRUCTION OF THE NEW P.V.C. PIPE SYSTEM OR BY REPAIRING THE CUT TILE WITH NEW TILE OF THE SAME DIAMETER UNTIL SUCH TIME AS THE NEW SYSTEM IS COMPLETED.

GENERAL NOTES

- THE P.V.C. PIPE WILL BE USED TO REPLACE EXISTING FIELD TILE.
- DIAMETER OF THE P.V.C. PIPE SHALL BE EQUAL TO OR GREATER THAN THE EXISTING FIELD TILE REMOVED.
- WELDED WIRE FABRIC SHALL BE 6" X 6" MESH, #4 GAUGE, 58 LBS. PER 100 SQ. FT. CONFORMING TO REQUIREMENTS OF A.S.T.M. A158.
- ALL EXISTING FIELD TILE SHALL BE REPLACED WITH P.V.C. PIPE OF THE TYPE REQUIRED FOR THE DEPTH OF COVER. THE LINEAL FOOT MEASUREMENT WILL BE MADE ALONG THE CENTROIDAL AXIS AND INCLUDE ALL BENDS, ELBOWS, OR PIPE TEE'S WHICH ARE REQUIRED.
- THE LID SHALL BE CONCRETE, REINFORCED, USING EITHER AN S.I. CONCRETE MIX OR PRECAST. THE LID MAY ALSO BE A BRASS PLUG SECURED BY USE OF A RUBBER GROMMET, OR A THREADED PVC PLUG.
- ALL EXISTING FIELD TILE THAT WILL BE ABANDONED SHALL BE BLOCKED WITH MASONRY OR CRUSHED AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER, OR REMOVED WHERE NECESSARY FOR OTHER CONSTRUCTION.
- SHOULD FIELD TILE BE ENCOUNTERED WITHIN THE LIMITS OF THE SECTION, REPLACEMENT SHALL BE MADE IN ACCORDANCE WITH THIS DETAIL.
- THE COST OF THE EXPLORATION TRENCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAL FOOT FOR EXPLORATION TRENCH 54" DEPTH.

FIELD TILE TRACING

UPON COMPLETION OF THE EXPLORATORY TRENCHING ALL EXISTING FIELD TILE ENCOUNTERED WILL BE TRACED. THE CONTRACTOR WILL TRACE THE EXISTING FIELD TILE TO THE LIMITS SHOWN ON THIS SHEET. IF AT ANY TIME IN THE TRACING OPERATION THE CONTRACTOR WOULD HAVE TO EXPOSE AND BREAK THE EXISTING FIELD TILE TO CONTINUE THE TRACING OPERATION THE EXISTING FIELD TILE WILL BE REPAIRED INPLACE AT THAT LOCATION IMMEDIATELY CONCLUDING THE TRACING OPERATION. COST OF REPAIRING SUCH BREAKS WILL BE CONSIDERED INCIDENTAL TO THE TRACING OPERATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



REVISION	DATE	BY

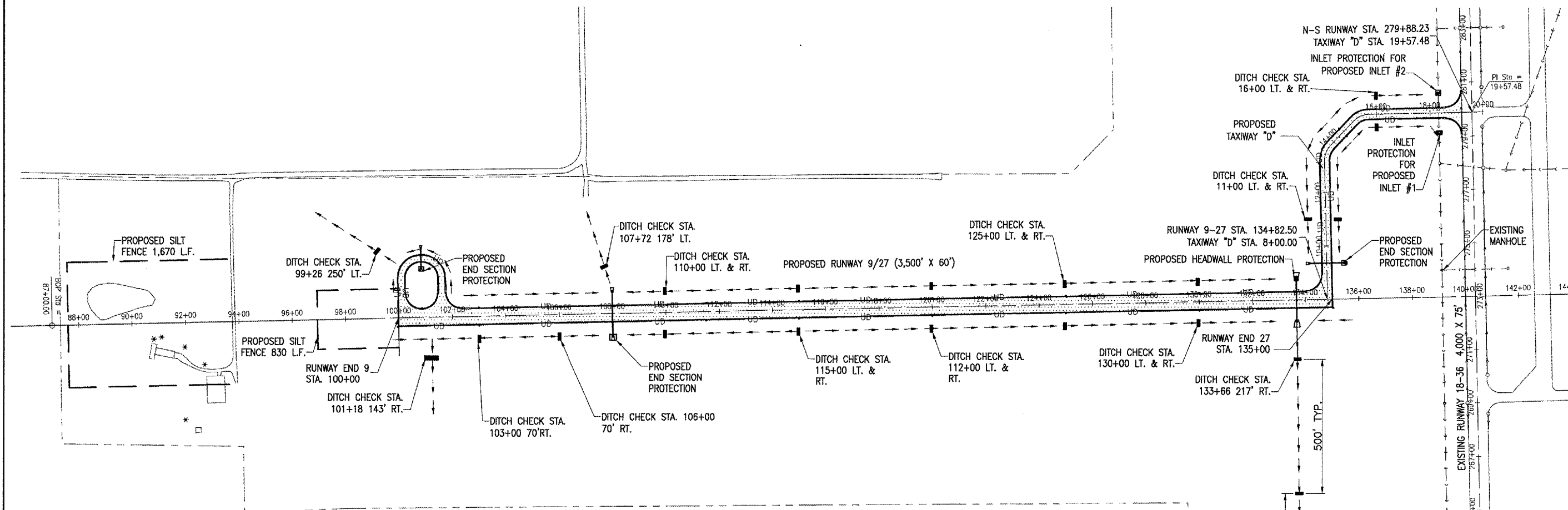
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0100-87
IL PROJ.: TAZ-3166

HEB Project No. 828-03RWYGD 0800	FILENAME R-133DRN.DWG	DATE 02/05/04
Scale 1" = 200'		
LAYOUT	BAK	02/05/04
DRAWN	BAK	02/05/04
REVIEWED	CAH	03/28/05



CONSTRUCT RUNWAY 9-27
PROPOSED FIELD TILE INVESTIGATION

APR 22, 2005 10:42 AM RAW H:\AIRPORTS\TAYLORVILLE\828-03RWYGD\AIRPORT SHEETS\R-133DRN.DWG - FIELD TILE INVESTIGATION



EROSION CONTROL NOTES

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.

PLACE FILTER FENCE AND BALES FOR STRUCTURE PROTECTION AS SHOWN ON THIS SHEET AND AS DETAILED ON FOLLOWING SHEET. FILTER FENCE AND BALES NECESSARY TO COMPLETELY PROTECT STRUCTURES AS DETAILED WILL BE PAID FOR BY ITEMS OF AR156512 BALES AND AR156510 SILT FENCE, RESPECTIVELY. THE COST OF INSTALLING AND MAINTAINING THIS PROTECTION WILL BE CONSIDERED INCIDENTAL TO THESE ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. 8 BALES AND 50 L.F. OF SILT FENCE WERE INCLUDED IN PROJECT QUANTITIES FOR THESE ITEMS, PER HEADWALL/END SECTION. THERE ARE 5 STRUCTURES TOTAL TO BE PROTECTED.

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.

EROSION CONTROL FENCE SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR 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.

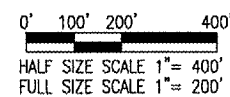
INLET PROTECTION IS TO INCLUDE ALL INCIDENTALS NECESSARY TO CONSTRUCT THESE ITEMS AND WILL BE PAID FOR UNDER ITEM: AR156520 INLET PROTECTION.

PROVIDE INLET PROTECTION FOR PROPOSED INLETS #1 AND #2.

EROSION CONTROL QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR156510	SILT FENCE	L.F.	2,750
AR156512	BALES	EA.	40
AR156511	DITCH CHECK	EA.	23
AR156520	INLET PROTECTION	EA.	2

- LEGEND**
- EXISTING IMPROVEMENTS
 - PROPOSED IMPROVEMENTS
 - EXISTING BUILDINGS
 - PROPOSED SILT FENCE
 - PROPOSED INLET AND HEADWALL PROTECTION

HEADWALL PROTECTION FOR BOX CULVERT GOING UNDER IL. RT 48



DATE	REVISION	BY

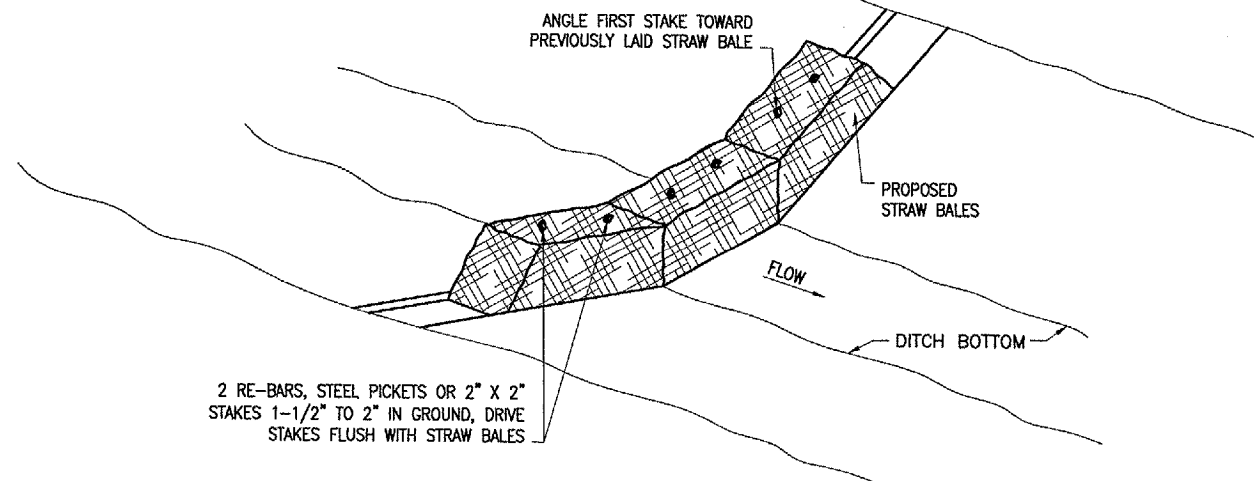
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

HE. Project No. 828-03RWYGD.0800	RAW	02/05/04
File Name R-181SWP.DWG	MDR	03/25/05
Scale 1" = 200'	CAH	03/28/05
Date 02/05/04		



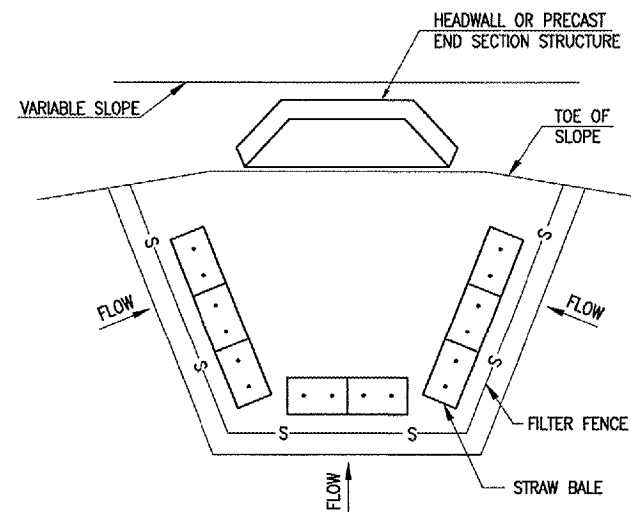
CONSTRUCT RUNWAY 9-27
PROPOSED STORMWATER POLLUTION PREVENTION PLAN

MAY 04, 2005 9:02 AM RAW I:\AIRPORTS\T.VILLE\828-03RWYGD\AIRPORT\SHEETS\R-181SWP.DWG -- SWPP

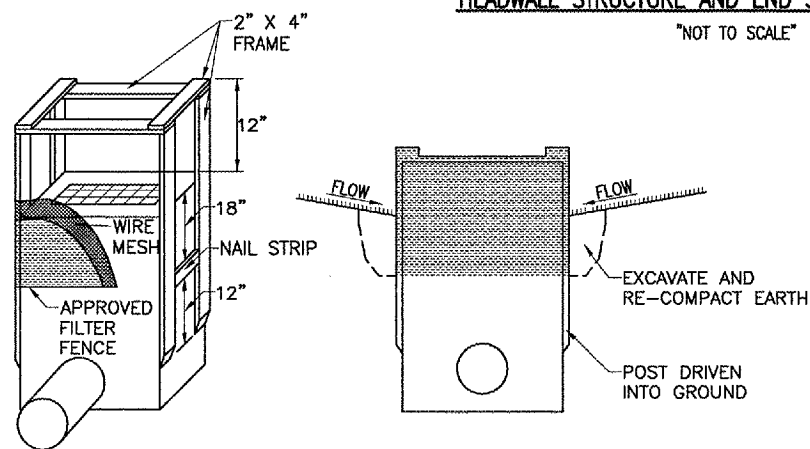


ANCHORING DETAIL

DITCH CHECK DETAIL
"NOT TO SCALE"

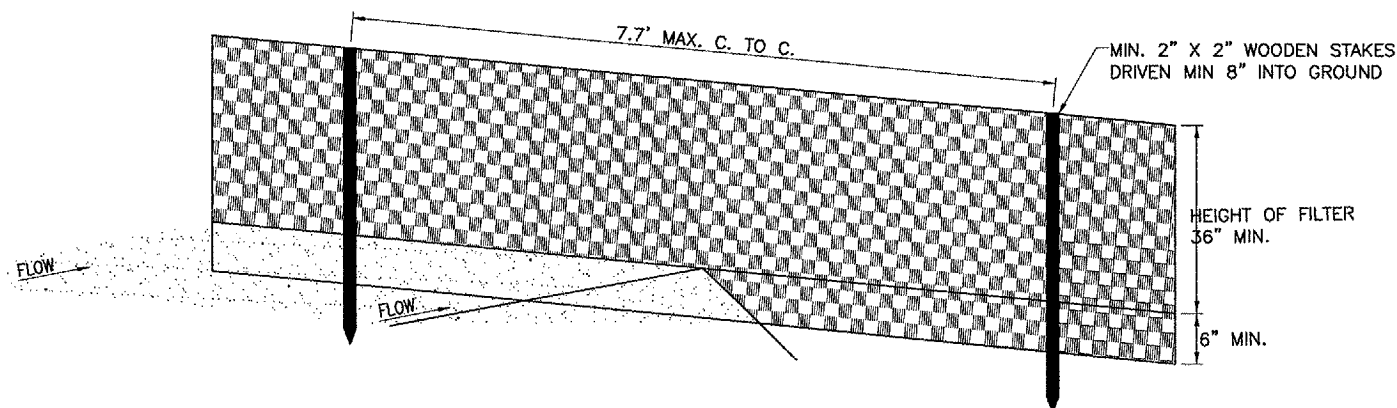


HEADWALL STRUCTURE AND END SECTION PROTECTION
"NOT TO SCALE"

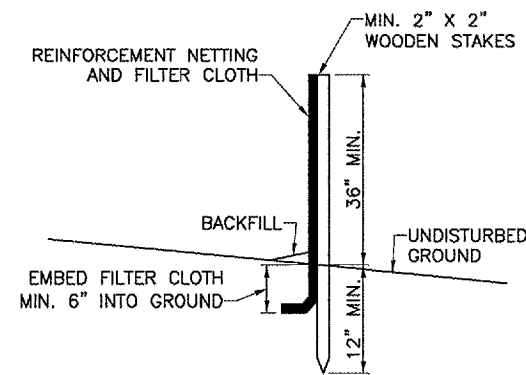


INLET PROTECTION DETAIL
"NOT TO SCALE"

NOTE
WIRE MESH, FRAMING MATERIAL, AND FILTER FENCE SHOWN ARE NOT INCLUDED IN PROJECT QUANTITIES AND ARE TO BE CONSIDERED INCIDENTAL TO ITEM AR156520 INLET PROTECTION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



PERSPECTIVE VIEW



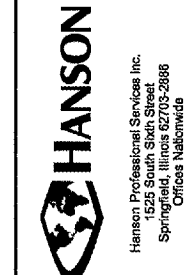
SECTION

FILTER FENCE DETAIL
"NOT TO SCALE"

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

HEL Project No. 828-03RWYGD_0800	File Name: R-581SWP.DWG	Scale: NTS	Date: 02/05/04
LAYOUT	RAW	MDR	CAH
DRAWN	02/05/04	03/25/05	03/28/05
REVIEWED			




CONSTRUCT RUNWAY 9-27
PROPOSED STORMWATER POLLUTION PREVENTION DETAILS

APR 22, 2005 10:43 AM RAW I:\AIRPORTS\TAVILLE\828-03RWYGD\AIRPORT SHEETS\R-581SWP.DWG - SWPP DETAILS

151450-CLEARING AND GRUBBING NOTES

THE AREAS DESIGNATED FOR CLEARING AND GRUBBING ARE SHOWN ON THIS SHEET. ALL OF THESE AREAS ARE LOCATED ON EXISTING AIRPORT PROPERTY OR WITHIN THE LIMIT OF AN EXISTING AVIGATION EASEMENT. ALL TREES WITHIN THE LIMITS SHOWN WILL BE REMOVED UNDER THIS ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR REMOVING INDIVIDUAL TREES.

ALL CLEARING AND GRUBBING WILL BE LOCATED AND MARKED BY THE RESIDENT ENGINEER. IF A TREE IS LOCATED ON THE PROPERTY LINE THEN THE TREE WILL BE INCLUDED IN THE CLEARING.

ALL AREAS DESIGNATED FOR CLEARING AND GRUBBING ARE SHOWN ON THIS SHEET AS 

TWO WEEKS BEFORE BEGINNING CLEARING AND GRUBBING OPERATIONS THE CONTRACTOR WILL NOTIFY ADJACENT LAND OWNERS AS TO WHAT HIS CONSTRUCTION METHODS WILL BE.

IF PERMITTED BY THE PERTINENT GOVERNING AUTHORITIES, THE CONTRACTOR MAY BURN AND BURY THE CLEARED TREES ON AIRPORT PROPERTY. IF BURNING AND BURIAL IS NOT PERMITTED, THE CONTRACTOR MUST DISPOSE OF THE TREES OFF THE AIRPORT PROPERTY. THE BURNING AND BURIAL LOCATION OF THE TREES WILL BE APPROVED BY THE ENGINEER.

THERE WILL BE AT LEAST THREE FEET OF EARTH PLACED OVER THE BURIED MATERIAL. ALL BURIAL AREAS WILL BE GRADED AND SEEDED.

ALL AREAS BEING CLEARED AND GRUBBED WILL BE SMOOTH GRADED AND SEEDED. AREAS CLEARED WITHIN THE AVIGATION EASEMENT WILL BE SEEDED WITH THE NATIVE GRASS MIXTURE SHOWN ON THIS SHEET AND AS DESCRIBED. AREAS ON THE AIRPORT SIDE OF THE AVIGATION EASEMENT WILL BE SEEDED IN ACCORDANCE WITH ITEM 901 "SEEDING". THE QUANTITY OF SEEDING REQUIRED IN ALL THE AREAS OF CLEARING AND GRUBBING IS TO BE CONSIDERED INCIDENTAL TO ITEM AR151450, UNLESS OTHERWISE NOTED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE EXISTING EARTH BERM LOCATED EAST OF A PORTION OF THE PROPOSED CLEARING, AS SHOWN, IS TO REMAIN FOLLOWING ALL EARTH GRADING AND TREE CLEARING AND GRUBBING. IF THE BERM IS DESTROYED DURING THE COURSE OF COMPLETING THE CLEARING IT WILL BE RECONSTRUCTED TO THE PRE-CONSTRUCTION PROPORTIONS AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CONTRACTOR WILL RECORD THE LOCATION AND SIZE OF THE BERM PRIOR TO THE START OF THE CLEARING IN THIS AREA IN ORDER TO EASILY RECONSTRUCT THE BERM ACCURATELY SHOULD IT BE NECESSARY.

THE CONTRACTOR WILL CLEAR AND GRUB IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

CLEARING, GRUBBING AND DISPOSAL OF THE DESIGNATED AREAS WILL BE PAID FOR UNDER: ITEM AR151450 "CLEARING AND GRUBBING" _____ 13 ACRES.

ELECTRICAL EQUIPMENT REMOVAL NOTES

ON THE PROPERTY SHOWN THERE ARE RESIDENTIAL ELECTRICAL ITEMS THAT WILL REQUIRE REMOVAL PRIOR TO OR AFTER THE BUILDING DEMOLITION. THESE INCLUDE, BUT MAY NOT BE LIMITED TO: A SATELLITE DISH AND FOUNDATION, ELECTRICAL METERS AND SERVICES, AND PRIVATE LIGHT POLES. ITEM AR152610-BUILDING DEMOLITION WILL INCLUDE THE ENTIRE REMOVAL OF THESE ITEMS AND PROPER DISPOSAL OF THE ITEMS OFF THE AIRPORT SITE.

ALL LABOR, MATERIALS, EQUIPMENT, AND OTHER COSTS REQUIRED TO REMOVE AND DISPOSE OF THE ELECTRICAL ITEMS ON THE PROPERTY, WILL BE CONSIDERED INCIDENTAL TO AR152610-BUILDING DEMOLITION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CONTRACTOR SHALL VISUALLY INSPECT THE SITE PRIOR TO BID TO ENSURE THEY ARE FAMILIAR WITH THE EQUIPMENT TO BE REMOVED.

SITE REMOVAL QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR151450	CLEARING AND GRUBBING	ACRE	13
AR152610	BUILDING DEMOLITION	LS	1

EXISTING POND REMOVAL NOTES TA001

THE DRAINAGE OF THE POND WILL REQUIRE REMOVAL OF THE EARTH MATERIAL FORMING THE DAM AT A RATE OF NO GREATER THAN 2 FT/DAY TO ALLOW THE POND TO DRAIN GRADUALLY AND NOT INUNDATE ADJACENT PROPERTIES WITH THE ENTIRE VOLUME OF WATER CONTAINED IN THE POND. ONCE DRAINAGE OF THE POND IS COMPLETE, EARTH MATERIAL OBTAINED FROM WITHIN THE AIRPORT PROPERTY WILL BE USED TO FILL THE AREA OF THE POND TO GRADES SHOWN ON THE STAKING PLAN. THE EARTH MATERIAL WILL BE COMPACTED TO AVOID FUTURE SETTLEMENT. THE POND IS WITHIN THE GRADING LIMITS SHOWN ON THE STAKING PLAN AND WILL THEREFORE BE SEEDED ACCORDINGLY, AS SHOWN.

ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO DRAIN AND GRADE THE POND WILL BE CONSIDERED INCIDENTAL TO ITEM AR152410-UNCLASSIFIED EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

BUILDING DEMOLITION NOTES

THE EXISTING HOUSE AND SHEDS, AND THEIR CONCRETE FOUNDATIONS AS SHOWN ON THIS SHEET WILL BE REMOVED AND DISPOSED OF OFF THE AIRPORT SITE. ALL MATERIALS WILL BE HANDLED AND DISPOSED OF ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS.

THE FOUNDATIONS WILL BE REMOVED TO AT LEAST 24" BELOW THE EXISTING SURROUNDING GROUND. THE FOUNDATIONS WILL BE DISPOSED OF OFF THE AIRPORT PROPERTY.

THE EXISTING WOODEN FENCE SHOWN WILL BE REMOVED AS PART OF ITEM AR152610 - BUILDING DEMOLITION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ANY HOLE LEFT FROM THE FOUNDATION REMOVAL WILL BE FILLED IN WITH EARTH MATERIAL. THE EARTH MATERIAL WILL BE COMPACTED TO AVOID FUTURE SETTLEMENT.

TWO WELLS AND TWO SEPTIC SYSTEMS WILL REQUIRE CLOSURE ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS.

THE AREA DISTURBED DURING THE DEMOLITION WILL BE SMOOTH GRADED, LIMED, FERTILIZED, SEEDED & MULCHED IN ACCORDANCE WITH ITEMS 901 AND 908.

THE DEMOLITION OF THE HOUSE, SHEDS, FOUNDATIONS AND FENCE STRUCTURES; FURNISHING & PLACING EARTH MATERIAL; CLOSURE OF THE WELLS AND SEPTIC SYSTEMS, WILL ALL BE PAID FOR UNDER ITEM:

AR152610 - BUILDING DEMOLITION, PER L.S.

NATIVE GRASS SEED MIX

BIG BLUE STEM	4 LB/ACRE
LITTLE BLUE STEM	5 LB/ACRE
SIDE-OATS GRAMA	5 LB/ACRE
WILD RYE	1 LB/ACRE
SWITCH GRASS	1 LB/ACRE
INDIAN GRASS	2 LB/ACRE
ANNUAL RYEGRASS	25 LB/ACRE
SPRING OATS	25 LB/ACRE
PERENNIAL RYEGRASS	15 LB/ACRE




SEED SHALL BE SOWN WITH A RANGELAND TYPE GRASS DRILL.

FERTILIZER WILL NOT BE NECESSARY.

SEED BED PREPARATION AND ALLOWABLE WIND CONDITIONS WILL BE AS DESCRIBED BY ITEM AR901-SEEDING.

ALLOWABLE SEEDING DATES FOR THIS MIXTURE SHALL BE FROM MAY 15 TO JUNE 30 AND OCTOBER 15 TO DECEMBER 1.

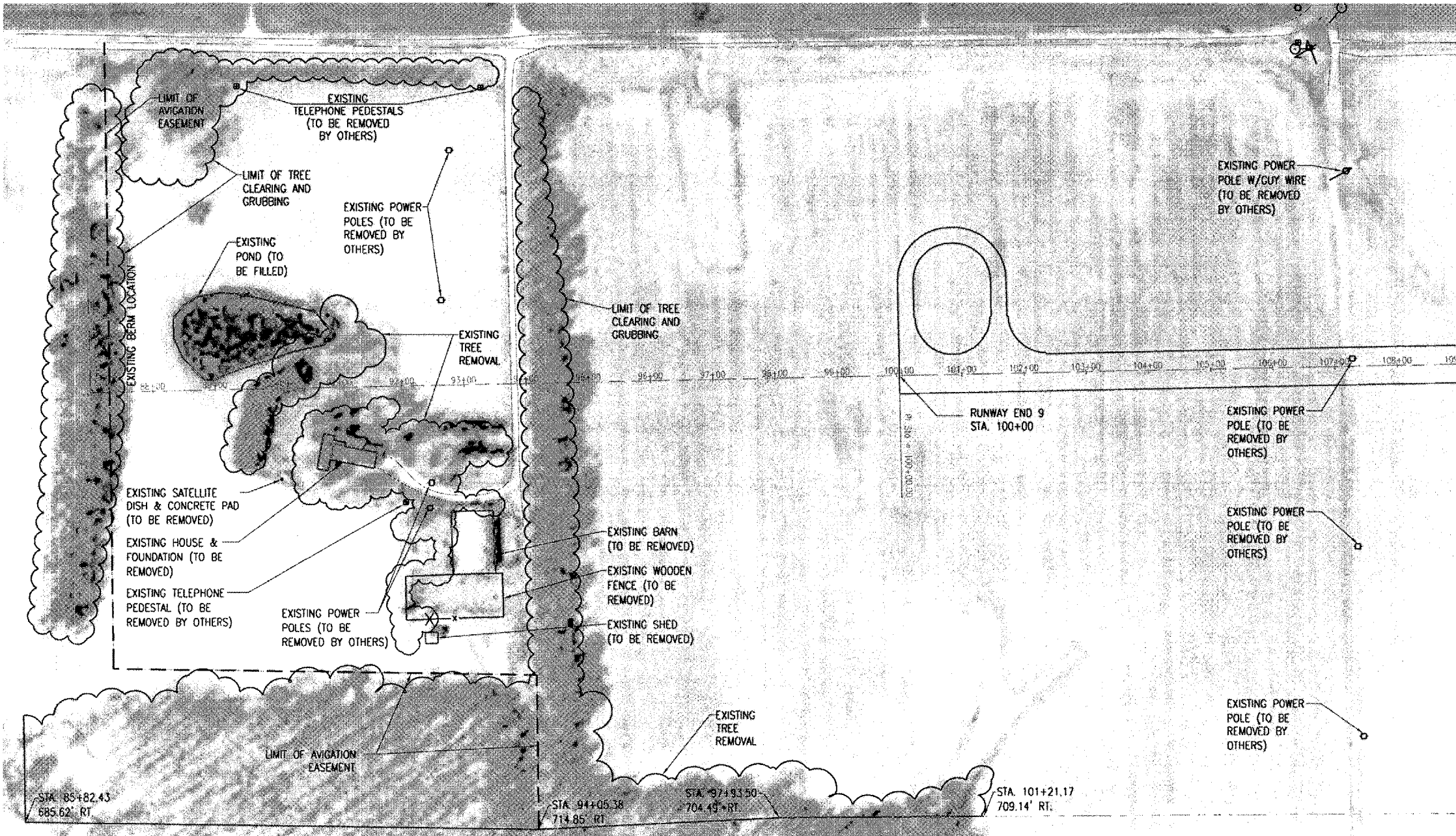
LEGEND


-  PROPOSED IMPROVEMENTS
-  CLEARING AND GRUBBING LIMITS
-  LIMIT OF AVIGATION EASEMENT

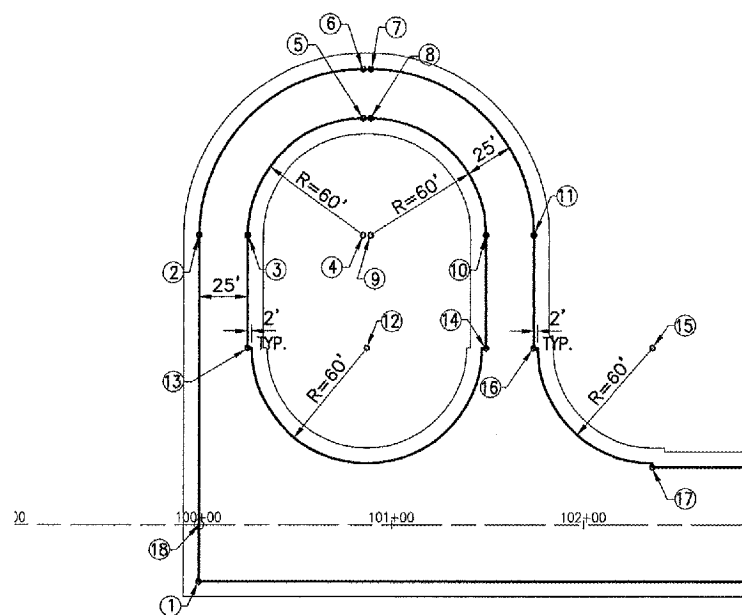
0' 50' 100' 200'

HALF SIZE SCALE 1" = 200'

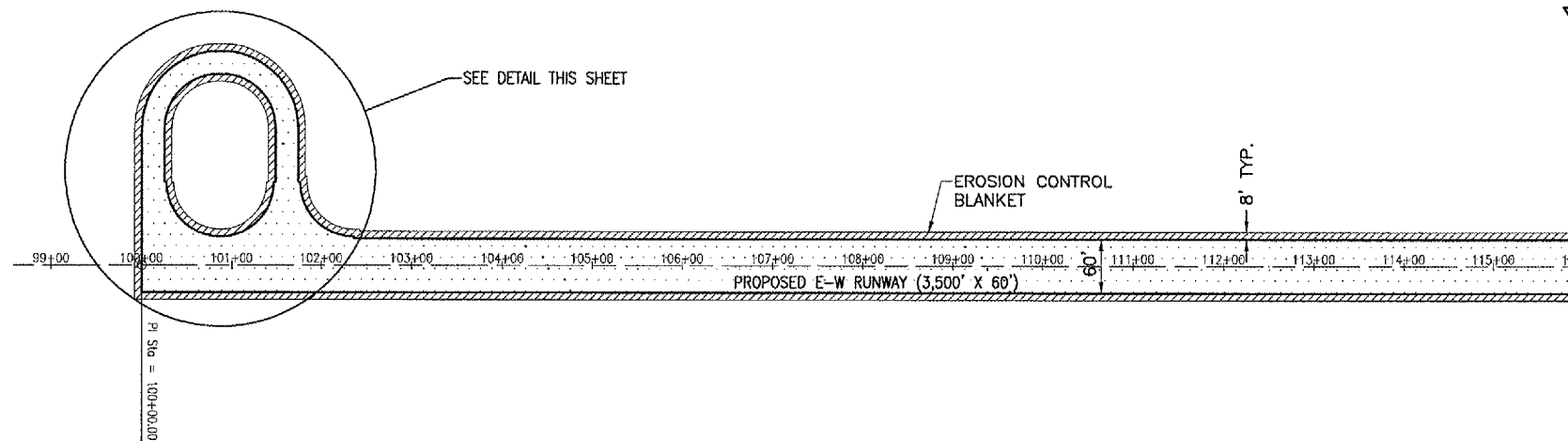
FULL SIZE SCALE 1" = 100'



DATE	REVISION	BY																								
TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, ILLINOIS																										
A.I.P. PROJ.: 3-17-0100-67																										
IL PROJ.: TAZ-3166																										
<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">828-03RWYCD.0800</td> <td style="width: 30%;">02/05/04</td> <td style="width: 30%;">BAK</td> </tr> <tr> <td>R-101ST.DWG</td> <td>02/05/04</td> <td>BAK</td> </tr> <tr> <td>1" = 100'</td> <td>02/05/04</td> <td>CAH</td> </tr> <tr> <td>02/05/04</td> <td>02/05/04</td> <td>03/28/05</td> </tr> <tr> <td>LAYOUT</td> <td> </td> <td> </td> </tr> <tr> <td>DRAWN</td> <td> </td> <td> </td> </tr> <tr> <td>REVIEWED</td> <td> </td> <td> </td> </tr> </table>						828-03RWYCD.0800	02/05/04	BAK	R-101ST.DWG	02/05/04	BAK	1" = 100'	02/05/04	CAH	02/05/04	02/05/04	03/28/05	LAYOUT			DRAWN			REVIEWED		
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 <p style="font-size: small;">Hanson Professional Services Inc 1525 South Sixth Street Springfield, Illinois 62703-2886 Offices Nationwide</p>																										
<p>CONSTRUCT RUNWAY 9-27</p> <p>PROPOSED CLEARING PLAN</p>																										
8																										



DETAIL "A"
SCALE 1" = 50'



MATCHLINE STA. 116+00

DATE	REVISION

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

FILE PROJECT NO. 828-03RWY09-0800	DATE 02/05/04
ENGINEER R-121CON.DWG	RAW 02/05/04
SCALE 1" = 100'	MDR 03/25/05
DATE 02/05/04	CAH 03/28/05
LAYOUT	
DRAWN	
REVIEWED	



CONSTRUCT RUNWAY 9-27
PROPOSED CONSTRUCTION PLAN
STA. 100+00 TO STA. 116+00

MAY 04, 2005 10:31 AM RAW
I:\AIRPORTS\TYLORVILLE\B28-03RWY09\AIRPORTSHEETS\9-121CON.DWG - STA. 100+00 TO STA. 116+00

POINT NO.	NORTHING	EASTING	STATION	OFFSET
1	1043612.1363	2529274.1051	100+00.00	30.0' RT.
2	1043792.0959	2529270.2933	301+50.00	12.5' LT.
3	1043792.6253	2529295.2877	301+50.00	12.5' RT.
4	1043793.8959	2529355.2743	301+81.45	72.5' RT.
5	1043853.8825	2529354.0037	302+63.88	12.5' RT.
6	1043878.8769	2529353.4743	302+63.88	12.5' LT.
7	1043878.9616	2529357.4734	302+63.88	12.5' LT.
8	1043853.9672	2529358.0028	302+63.88	12.5' RT.
9	1043793.9806	2529359.2734	303+42.81	72.5' RT.
10	1043795.2512	2529419.2599	303+81.77	12.5' RT.
11	1043795.7806	2529444.2543	303+81.77	12.5' LT.
12	1043735.9513	2529358.5021	300+92.00	74.5' RT.
13	1043734.6383	2529296.5160	300+92.00	12.5' RT.
14	1043737.2642	2529420.4882	304+39.77	12.5' RT.
15	1043739.1066	2529507.4687	304+39.77	74.5' LT.
16	1043737.7936	2529445.4826	304+39.77	12.5' LT.
17	1043677.1205	2529508.7816	102+36.00	30.0' LT.
18	1043642.1295	2529273.4698	100+00.00	CENTERLINE

BASE BID CONSTRUCTION QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR155540	BY-PRODUCT LIME	TON	1,173
AR155616	SOIL PROCESSING-16"	S.Y.	31,277
ALTERNATE "A" CONSTRUCTION QUANTITIES			
AS152410	UNCLASSIFIED EXCAVATION	C.Y.	71,511
AS209510	CRUSHED AGGREGATE BASE COURSE	TON	7,200
AS501505	5" PCC PAVEMENT	S.Y.	29,563
AS501530	PCC TEST BATCH	EACH	1
ALTERNATE "B" CONSTRUCTION QUANTITIES			
AT152410	UNCLASSIFIED EXCAVATION	C.Y.	71,876
AT201610	BITUMINOUS BASE COURSE	TON	4,491
AT201630	BITUMINOUS BASE TEST SECTION	EACH	1
AT209510	CRUSHED AGGREGATE BASE COURSE	TON	10,588
AT401610	BITUMINOUS SURFACE COURSE	TON	2,661
AT401630	BITUMINOUS SURFACE TEST SECTION	EACH	1
AT602510	BITUMINOUS PRIME COAT	GAL.	10,741
AT603510	BITUMINOUS TACK COAT	GAL.	1,497

155-LIME-MODIFIED SUBGRADE NOTES:

THE PROPOSED LIME-MODIFIED SUBGRADE SHALL BE COMPLETED IN ACCORDANCE WITH ITEM 155 "LIME TREATED SUBGRADE" AS STATED ON PAGE 32 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM OF WORK SHALL CONSIST OF CONSTRUCTING A 16" DEEP COURSE OF A MIXTURE OF SOIL, LIME AND WATER IN ACCORDANCE WITH THE RATES AND METHODS DESIGNED IN THE SPECIFICATIONS (EITHER THE WET OR DRY METHODS IS ACCEPTABLE).

THE SUBGRADE WILL BE CUT PRIOR TO LIME-MODIFICATION.

ANY SWELL WILL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF ON THE AIRPORT SITE AS DIRECTED BY THE RESIDENT ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR REMOVAL OF SWELL.

THE LIME-MODIFIED SUBGRADE SHALL BE CUT TO FINISHED ELEVATION UPON COMPLETION (0.05+) IN ACCORDANCE TO SECTION 152-2.11 OF THE SPECIFICATIONS. THE LIME-MODIFIED SUBGRADE WILL BE WET CURED FOR 2 DAYS.

THE CONTRACTOR WILL LIME-MODIFY THE SUBGRADE FROM THE CENTERLINE TO 1.5' OUTSIDE OF THE PROPOSED PAVEMENT SURFACE ON BOTH SIDES.

THE LIME-MODIFIED SUBGRADE WILL BE COMPACTED IN ACCORDANCE WITH PROCEDURES FOR AIRCRAFT WEIGHING LESS THAN 60,000 POUNDS.

THE LIME, BY-PRODUCT LIME (CODE L), WAS CALCULATED AT 6% OF THE DRY SOIL WEIGHT AT MAXIMUM DENSITY. THE ACTUAL AMOUNT WILL BE DETERMINED PRIOR TO THE START OF CONSTRUCTION, BUT SHALL NOT EXCEED 6% BY WEIGHT. THE COST OF LIME WILL BE PAID FOR UNDER ITEM AR155540.

THE SOIL TEST INDICATES AN AVERAGE SOIL WEIGHT OF 104.2 POUNDS PER CUBIC FOOT. THEREFORE, THE MAXIMUM TONNAGE OF LIME WILL BE 1,173 TONS.

A REAL TIME DRY DENSITY WILL BE ESTIMATED AT 94% OF THE EARTH PROCTOR.

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH PROCTOR RESULTS SHOWING OPTIMUM DENSITY AND MOISTURE FOR THE LIME MODIFIED SUBGRADE.

THE PROPOSED LIME-MODIFIED SUBGRADE WILL BE PAID FOR UNDER ITEMS:
AR155616 SOIL PROCESSING-16" 31,277 S.Y.
AR155540 BY-PRODUCT LIME 1,173 TONS

AR209-CRUSHED AGGREGATE BASE COURSE NOTES

THE CRUSHED AGGREGATE BASE COURSE (209) SHALL BE PLACED IN ACCORDANCE WITH ITEM 209 "CRUSHED AGGREGATE BASE COURSE" AS STATED ON PAGE 45 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE CRUSHED AGGREGATE BASE COURSE MATERIAL (CA-6) WILL BE USED TO CONSTRUCT A BASE COURSE FOR THE PROPOSED PAVEMENT SECTION. THE CRUSHED AGGREGATE BASE COURSE MATERIAL WILL BE 6" IN DEPTH FOR A BITUMINOUS SECTION OR 5" IN DEPTH FOR A PCC SECTION, AND COMPACTED TO NOT LESS THAN 95 PERCENT DENSITY.

THE PROPOSED AGGREGATE FOR THE BASE COURSE MATERIAL SHALL MEET THE REQUIREMENTS OF GRADATION "B" IN TABLE 1 OF THE SUPPLEMENTAL SPECIFICATIONS.

209-3.2 EQUIPMENT. ADD THE FOLLOWING PARAGRAPHS TO THIS SECTION:

"PROVISIONS SHALL BE MADE BY THE CONTRACTOR FOR FURNISHING WATER AT THE PLANT AND AT THE SITE OF THE WORK BY EQUIPMENT OF AMPLE CAPACITY AND OF SUCH DESIGN AS TO ASSURE UNIFORM MIXING AND APPLICATION."

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER A PROCTOR CURVE SHOWING OPTIMUM DENSITY AND MOISTURE FOR THE SUPPLIED BASE COURSE MATERIAL PRIOR TO THE PLACEMENT OF THE MATERIAL.

THE COMPACTION CONTROL TEST TO BE USED SHALL BE FAA COMPACTION CONTROL TEST T-611 FOR AIRCRAFT WEIGHING LESS THAN 60,000 LBS.

209-4.1. DELETE THE FIFTH SENTENCE AND REPLACE IT WITH THE FOLLOWING:

"IF AT THE TIME THE AGGREGATES ARE WEIGHED THEY CONTAIN MORE THAN SIX (6) PERCENT OF ABSORBED AND FREE MOISTURE BY WEIGHT, A DEDUCTION FOR THE MOISTURE IN EXCESS OF THIS AMOUNT SHALL BE MADE IN DETERMINING THE PAY QUANTITY."

AR152-UNCLASSIFIED EXCAVATION NOTES:

UNCLASSIFIED EXCAVATION SHALL BE ACCOMPLISHED BY MEANS OF SELECT GRADING OF THE EARTHEN MATERIAL. USABLE TOPSOIL SHALL BE PLACED ON ALL SHOULDERS AND PROPOSED TURF AREAS AND THE MATERIALS ENCOUNTERED IN THE LOWER HORIZONS WILL BE UTILIZED TO FORM THE FILLS NECESSARY TO ACHIEVE THE PROPOSED GRADES.

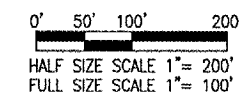
EXCAVATION SHALL BE PAID FOR ONLY ONCE. STOCKPILING OF TOPSOIL FOR LATER REUSE AND REDISTRIBUTION, IF NECESSARY, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. NO PAYMENT WILL BE ALLOWED FOR DOUBLE HANDLING OF ANY MATERIAL.

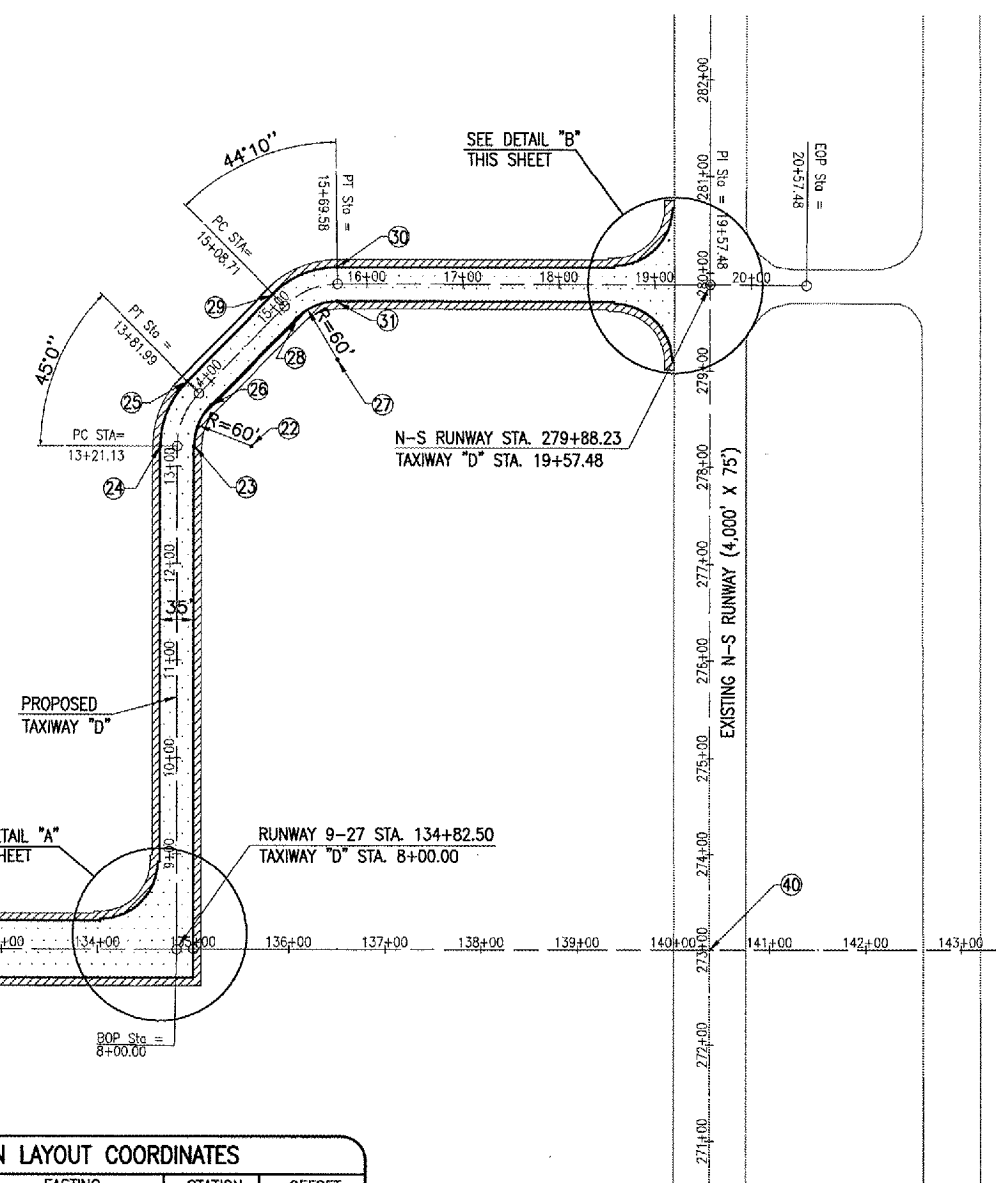
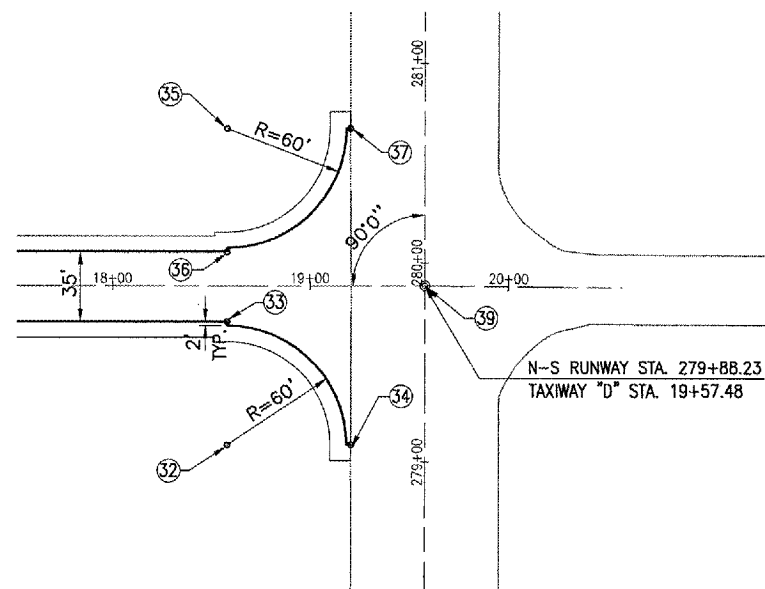
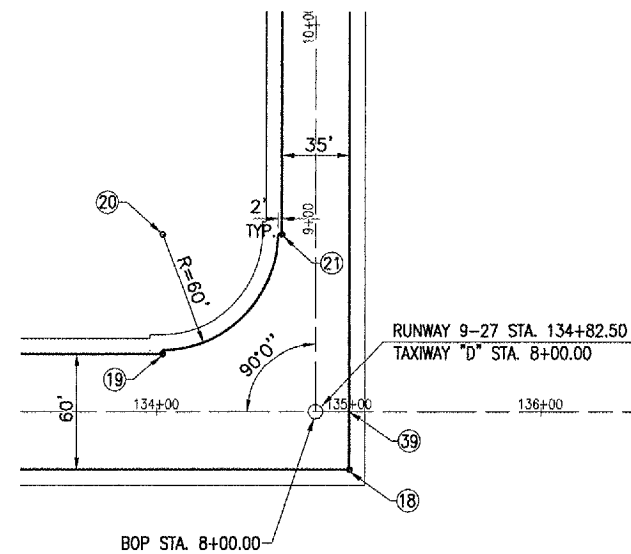
THE AVAILABLE TOPSOIL WILL BE DISTRIBUTED UNIFORMLY OVER THE PROPOSED TURF AREAS. THE EXCAVATION NECESSARY TO ACHIEVE THE UNIFORM DEPTH OF TOPSOIL IS TO BE CONSIDERED INCIDENTAL TO ITEM 152410 - UNCLASSIFIED EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE COMPACTION OF THE TOP 16" OF MATERIAL BENEATH PAVEMENT AREAS TO BE PROCESSED WILL BE COMPACTED TO A MINIMUM DENSITY OF 92% OF THE MAXIMUM DRY DENSITY.

LEGEND

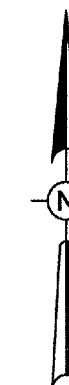
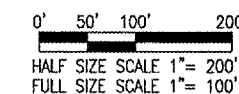
	PROPOSED IMPROVEMENTS
	PROPOSED EROSION CONTROL BLANKET





POINT NO.	NORTHING	EASTING	STATION	OFFSET
18	1043686.2544	2532773.3203	135+00.00	30.00' RT.
19	1043744.1868	2532675.0714	134+03.00	30.00' LT.
20	1043806.1729	2532673.7585	134+03.00	90.00' LT.
21	1043807.4859	2532735.7446	8+92.00	17.50' LT.
22	1044238.5265	2532821.6358	13+21.13	77.50' RT.
23	1044237.2559	2532761.6493	13+21.13	17.50' RT.
24	1044236.5147	2532726.6571	13+21.13	17.50' LT.
25	1044304.2640	2532753.0532	13+81.99	17.50' LT.
26	1044280.0449	2532778.3205	13+81.99	17.50' RT.
27	1044330.0054	2532909.3198	15+08.71	77.50' RT.
28	1044371.5239	2532866.0045	15+08.71	17.50' RT.
29	1044395.7429	2532840.7372	15+08.71	17.50' LT.
30	1044424.9784	2532907.0556	15+69.58	17.50' LT.
31	1044389.9920	2532908.0492	15+69.58	17.50' RT.
32	1044334.1153	2533197.7968	18+58.08	79.50' RT.
33	1044396.1014	2533196.4838	18+58.08	17.50' RT.
34	1044335.4321	2533259.9635	19+20.26	79.50' RT.
35	1044493.0796	2533194.4297	18+58.08	79.50' LT.
36	1044431.0935	2533195.7427	18+58.08	17.50' LT.
37	1044494.3936	2533256.4653	19+20.13	79.50' LT.
38	1044415.7024	2533295.4901	19+57.48	CENTERLINE
39	1043716.2477	2532772.8500	135+00.00	CENTERLINE
40	1043727.6301	2533310.0644	140+37.50	CENTERLINE

- LEGEND**
- EXISTING IMPROVEMENTS
 - PROPOSED IMPROVEMENTS
 - PROPOSED EROSION CONTROL BLANKET



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

DATE	REVIEWED	CAH	DATE	REVIEWED	CAH
02/05/04	RAW	02/05/04	03/25/05	MDR	03/25/05
02/05/04	CAH	03/28/05			

FILE PROJECT No. 828-03RWYCD.0800
ELEVATION R-121CON.DWG
Scale 1" = 100'
Date 02/05/04



CONSTRUCT RUNWAY 9-27
PROPOSED CONSTRUCTION PLAN
STA. 116+00 TO STA. 135+00

MAY 04, 2005 10:42 AM RAW
I:\AIRPORTS\TAYLORVILLE\828-03RWYCD\AIRPORT\PROJECTS\TA-121CON.DWG - STA. 116+00 TO STA. 135+00

AR201-BITUMINOUS BASE COURSE NOTES

THE BITUMINOUS BASE COURSE (201) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR201002 "BITUMINOUS BASE COURSE-METHOD II" AS STATED ON PAGE 193 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM OF WORK SHALL CONSIST OF CONSTRUCTING ONE LIFT OF BITUMINOUS BASE COURSE (2-1/2 INCH DEPTH) ON THE PROPOSED CRUSHED AGGREGATE BASE COURSE FOR THE PROPOSED RUNWAY, TAXIWAY, AND TURN AROUND .

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

AR401-BITUMINOUS SURFACE COURSE NOTES

THE BITUMINOUS SURFACE COURSE (401) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR401002 "BITUMINOUS SURFACE COURSE-METHOD II" AS STATED ON PAGE 253 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM OF WORK SHALL CONSIST OF CONSTRUCTING ONE LIFT OF BITUMINOUS SURFACE COURSE (1-1/2 INCH DEPTH) ON THE PROPOSED BITUMINOUS BASE COURSE FOR THE PROPOSED RUNWAY EXTENSION.

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:

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.

602-BITUMINOUS PRIME COAT NOTES:

THE BITUMINOUS PRIME COAT (602) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR602 "BITUMINOUS PRIME COAT" AS STATED ON PAGE 58 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE PROPOSED BITUMINOUS PRIME COAT SHALL BE PLACED ON THE PROPOSED AGGREGATE BASE COURSE PRIOR TO THE PLACEMENT OF THE FIRST LIFT OF PROPOSED BITUMINOUS BASE COURSE. THE PROPOSED AGGREGATE BASE COURSE SHALL HAVE A PRIME COAT OF BITUMINOUS MATERIAL APPLIED AT A RATE OF 0.35 GAL/SY..

THE PROPOSED BITUMINOUS PRIME COAT WILL BE PAID FOR UNDER ITEM:
AR602510 BITUMINOUS PRIME COAT _____ 10,741 GAL.

603-BITUMINOUS TACK COAT NOTES:

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

THE PROPOSED BITUMINOUS TACK COAT SHALL BE PLACED ON THE PROPOSED BITUMINOUS PAVEMENT PRIOR TO THE PLACEMENT OF THE NEXT LIFT OF PROPOSED BITUMINOUS SURFACE COURSE. THE PROPOSED BITUMINOUS PAVEMENT SHALL HAVE A TACK COAT OF BITUMINOUS MATERIAL APPLIED AT A RATE OF 0.05 GAL/SY..

603-1.2 QUANTITY OF MATERIAL.

AS PER TABLE 1 LOCATED ON PAGE 66 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JANUARY 1, 2003.

603-2.1 BITUMINOUS MATERIAL.

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

603-3.1 WEATHER LIMITATIONS.

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

603-3.3 APPLICATION OF BITUMINOUS MATERIAL.

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

THE PROPOSED BITUMINOUS TACK COAT WILL BE PAID FOR UNDER ITEM:
AR603510 BITUMINOUS TACK COAT _____ 1,497 GAL.

501-PCC PAVING NOTES:

THE PROPOSED 5 INCH PCC CONCRETE SHALL COMPLY WITH ITEM AR501002 - PORTLAND CEMENT CONCRETE PAVEMENT - METHOD II. DESIGNED FOR AIRCRAFT WEIGHT LESS THAN 60,000 POUNDS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL QA/QC TESTING. THIS WILL INCLUDE THE MAKING OF THE CONCRETE TEST CYLINDERS AND THE TRANSPORTING OF THE CYLINDERS TO THE CERTIFIED TESTING LABORATORY.

156-EROSION CONTROL BLANKET NOTES:

THIS ITEM SHALL CONSIST OF FURNISHING, TRANSPORTING AND PLACING EROSION CONTROL BLANKET AT THE LOCATIONS SHOWN AND IN ACCORDANCE WITH THE DETAILS ON THE CONSTRUCTION PLANS. THE EROSION CONTROL BLANKET WILL BE PLACED ALONG ALL PROPOSED PAVEMENT EDGES AND DISTURBED SHOULDERS ADJACENT TO EXISTING PAVEMENT, AS WELL AS DOWN THE FLOW LINE OF THE PROPOSED PRIMARY DITCH.

MATERIALS SHALL MEET THE REQUIREMENTS OF THE FOLLOWING ARTICLES OF SECTION 1000 - MATERIALS, ILLINOIS DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 1, 2002.

ITEM	ARTICLE
(A) EXCELSIOR BLANKET	1081.10(C)
(B) WIRE STAPLES	1081.10(D)

THE BLANKET SHALL BE PLACED WITHIN 24 HOURS AFTER SEEDING OPERATIONS HAVE BEEN COMPLETED ON THE AREAS SPECIFIED. PRIOR TO PLACING THE BLANKET, THE AREAS TO BE COVERED SHALL BE RELATIVELY FREE OF ALL ROCKS OR CLODS OVER 1-1/2 INCH IN DIAMETER, AND ALL STICKS OR OTHER FOREIGN MATERIAL WHICH WILL PREVENT THE CLOSE CONTACT OF THE BLANKET WITH THE SEED BED. IF, AS A RESULT OF RAIN, THE PREPARED SEED BED BECOMES CRUSTED OR ERODED, OR IF ERODED PLACES, RUTS OR DEPRESSIONS EXIST FOR ANY REASON, THE CONTRACTOR WILL BE REQUIRED TO REWORK THE SOIL UNTIL IT IS SMOOTH AND TO RESEED SUCH AREAS WHICH ARE REWORKED. AFTER THE AREA HAS BEEN PROPERLY SHAPED, FERTILIZED AND SEEDED, THE BLANKET SHALL BE LAID OUT FLAT, EVENLY AND SMOOTHLY, WITHOUT STRETCHING THE MATERIAL.

PLACING AND ANCHORING THE BLANKETS IN DITCHES AND ON SLOPES SHALL BE AS BE IN ACCORDANCE TO THE MANUFACTURERS RECOMMENDATIONS.

THE PROPOSED EROSION CONTROL BLANKET WILL BE PAID FOR UNDER ITEM:
AR156531 - EROSION CONTROL BLANKET _____ 12,328 SY.

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
I.L. PROJ.: TAZ-3166
A.I.P. PROJ.: 3-17-0100-B7

IEL Project No. 828-03RWYCD_0800 Drawing R-522CON.DWG Scale 1" = 100' Date 02/05/04	LAYOUT RAW 02/05/04 DRAWN MDR 03/26/05 REVIEWED CAH 03/28/05
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CONSTRUCT RUNWAY 9-27
PROPOSED CONSTRUCTION NOTES

MAY 04, 2005 10:45 AM RAW
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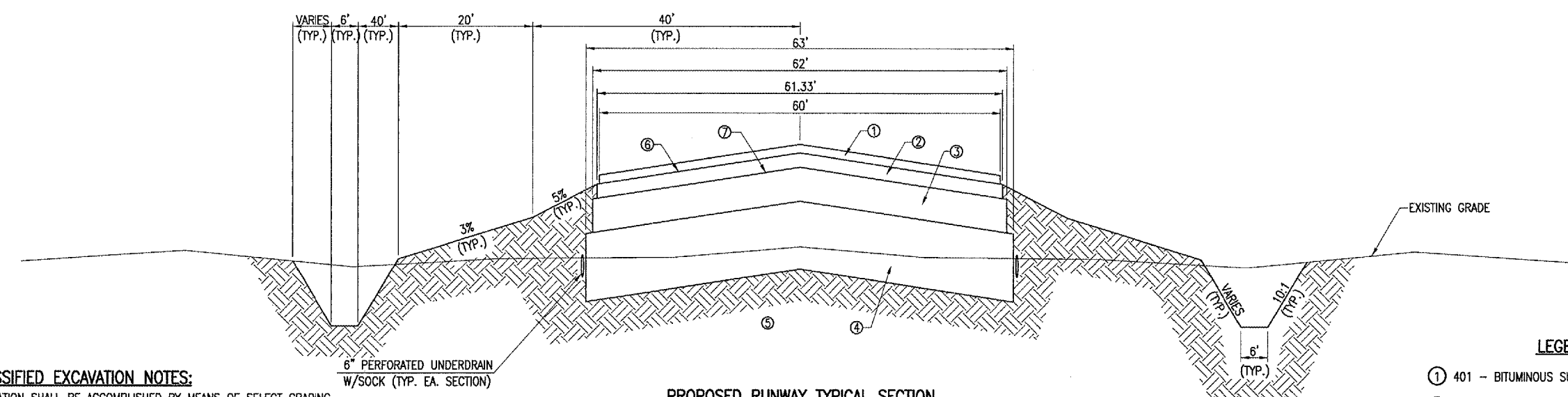
BY	
REVISION	
DATE	

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0100-B7
IL PROJ.: TAZ-3166

FILE PROJECT NO. 828-03RWYGD_0800	RAW	02/03/05
EXHIBIT R-004TYP.DWG	MLB	07/08/05
SCALE NOT TO SCALE	xxx	xx/xx/xx
DATE 02/08/05	LAYOUT	
	DRAWN	
	REVIEWED	

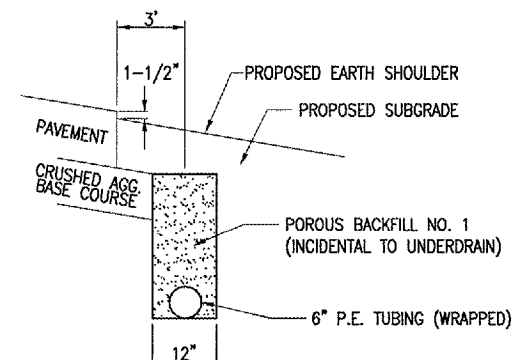
Hanson Professional Services Inc.
1925 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONSTRUCT
RUNWAY 9-27
PROPOSED
BITUMINOUS
TYPICAL SECTIONS

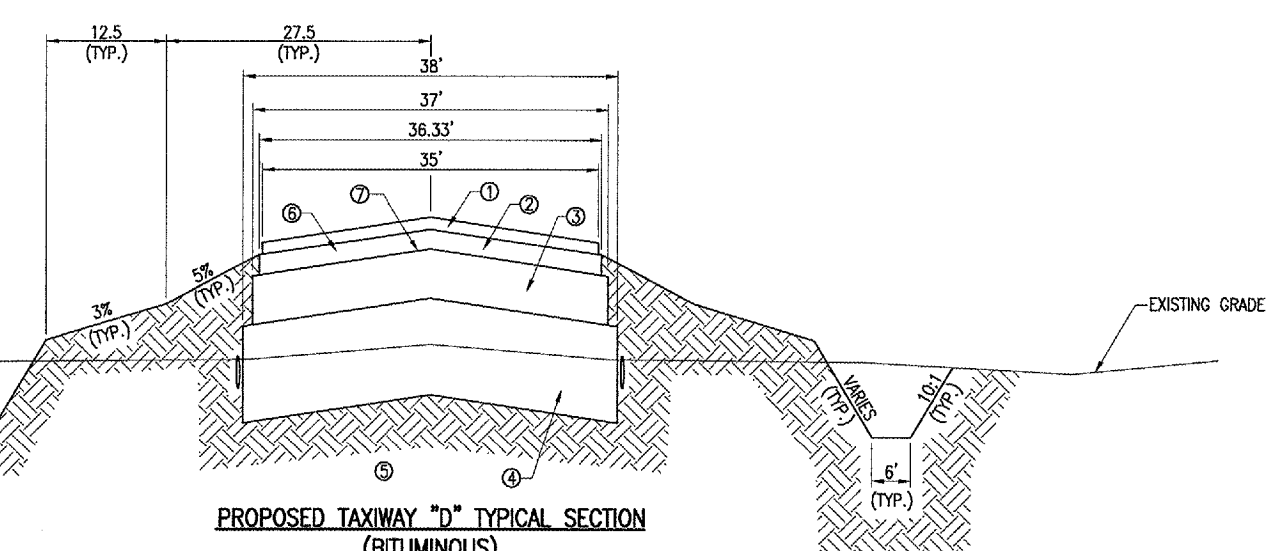


PROPOSED RUNWAY TYPICAL SECTION
(BITUMINOUS)

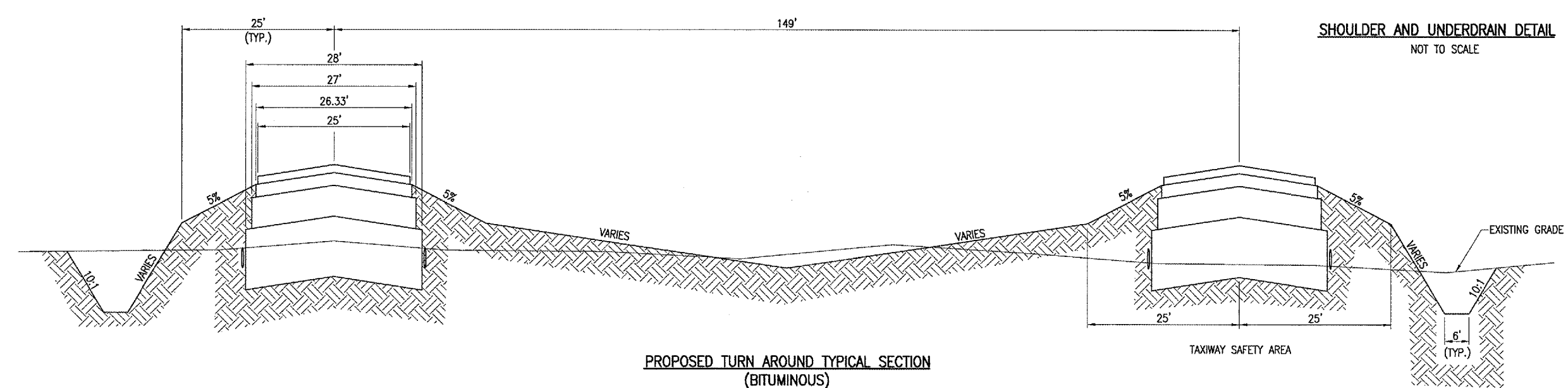
- LEGEND**
- ① 401 - BITUMINOUS SURFACE COURSE, 1-1/2" DEPTH
 - ② 201 - BITUMINOUS BASE COURSE, 2-1/2" DEPTH
 - ③ 209 - CRUSHED AGGREGATE BASE COURSE, 6" DEPTH
 - ④ LIME STABILIZED SUBGRADE, 16" DEPTH
 - ⑤ EXISTING SUBGRADE
 - ⑥ BITUMINOUS TACK COAT, 0.05 GAL./S.Y.
 - ⑦ BITUMINOUS PRIME COAT, 0.35 GAL./S.Y.



SHOULDER AND UNDERDRAIN DETAIL
NOT TO SCALE



PROPOSED TAXIWAY "D" TYPICAL SECTION
(BITUMINOUS)



PROPOSED TURN AROUND TYPICAL SECTION
(BITUMINOUS)

AR152-UNCLASSIFIED EXCAVATION NOTES:

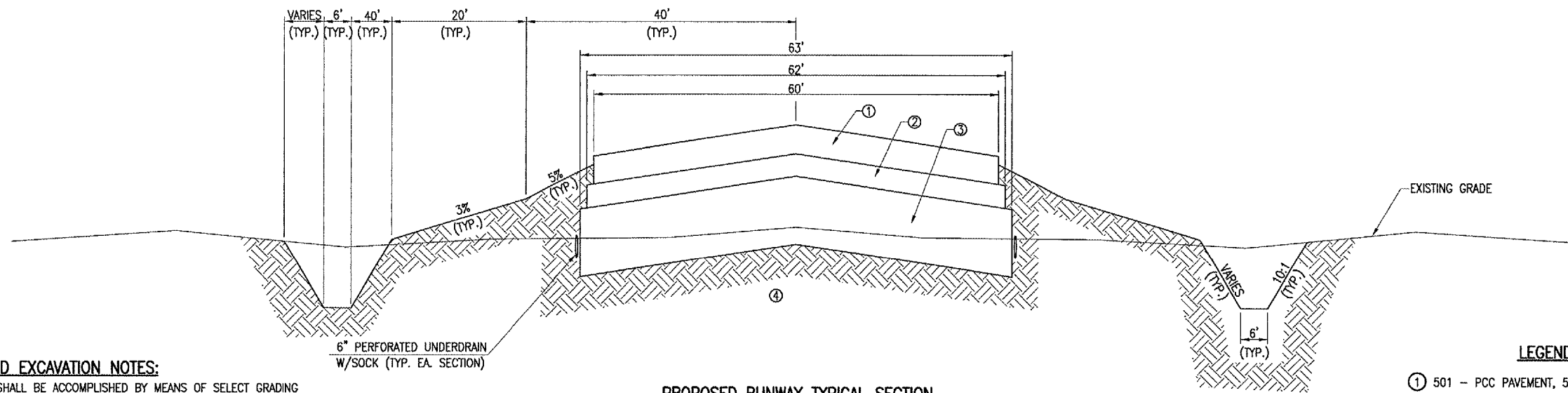
UNCLASSIFIED EXCAVATION SHALL BE ACCOMPLISHED BY MEANS OF SELECT GRADING OF THE EARTHEN MATERIAL. USABLE TOPSOIL SHALL BE PLACED ON ALL SHOULDERS AND PROPOSED TURF AREAS AND THE MATERIALS ENCOUNTERED IN THE LOWER HORIZONS WILL BE UTILIZED TO FORM THE FILLS NECESSARY TO ACHIEVE THE PROPOSED GRADES.

EXCAVATION SHALL BE PAID FOR ONLY ONCE. STOCKPILING OF TOPSOIL FOR LATER REUSE AND REDISTRIBUTION, IF NECESSARY, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. NO PAYMENT WILL BE ALLOWED FOR DOUBLE HANDLING OF ANY MATERIAL.

THE AVAILABLE TOPSOIL WILL BE DISTRIBUTED UNIFORMLY OVER THE PROPOSED TURF AREAS. THE EXCAVATION NECESSARY TO ACHIEVE THE UNIFORM DEPTH OF TOPSOIL IS TO BE CONSIDERED INCIDENTAL TO ITEM 152410 - UNCLASSIFIED EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE COMPACTION OF THE TOP 16" OF MATERIAL BENEATH PAVEMENT AREAS TO BE PROCESSED WILL BE COMPACTED TO A MINIMUM DENSITY OF 92% OF THE MAXIMUM DRY DENSITY.

MAY 04, 2005 1:14 PM RAW
E:\AIRPORTS\TYLLE\828-03RWYGD\AIRPORT\SHEETS\AR-004TYP.DWG - Bituminous



**PROPOSED RUNWAY TYPICAL SECTION
(PORTLAND CEMENT CONCRETE)**

- LEGEND**
- ① 501 - PCC PAVEMENT, 5" DEPTH
 - ② 209 - CRUSHED AGGREGATE BASE COURSE, 4" DEPTH
 - ③ LIME STABILIZED SUBGRADE, 16" DEPTH
 - ④ EXISTING SUBGRADE

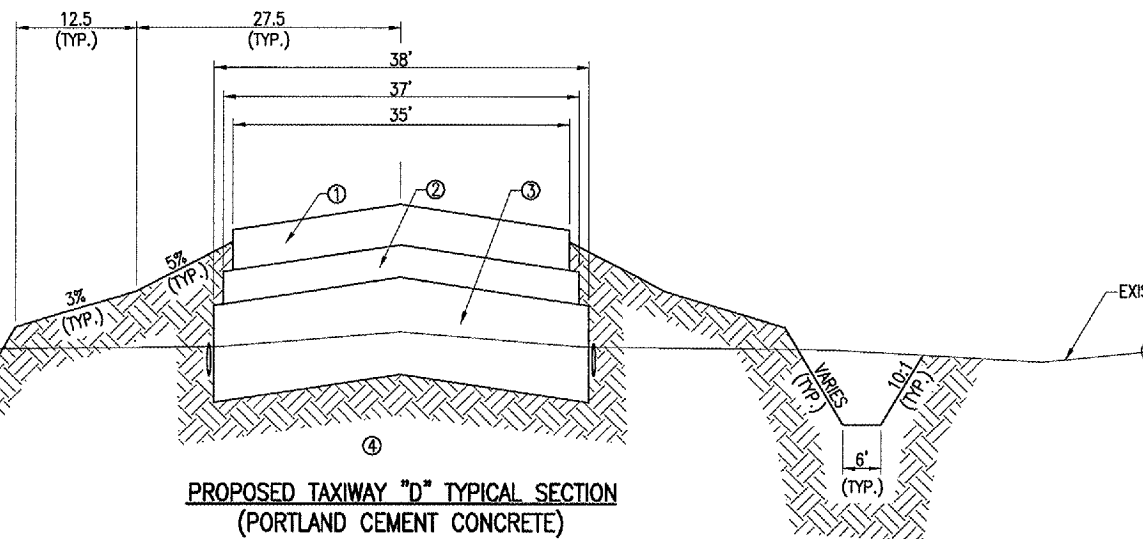
AR152-UNCLASSIFIED EXCAVATION NOTES:

UNCLASSIFIED EXCAVATION SHALL BE ACCOMPLISHED BY MEANS OF SELECT GRADING OF THE EARTHEN MATERIAL. USABLE TOPSOIL SHALL BE PLACED ON ALL SHOULDERS AND PROPOSED TURF AREAS AND THE MATERIALS ENCOUNTERED IN THE LOWER HORIZONS WILL BE UTILIZED TO FORM THE FILLS NECESSARY TO ACHIEVE THE PROPOSED GRADES.

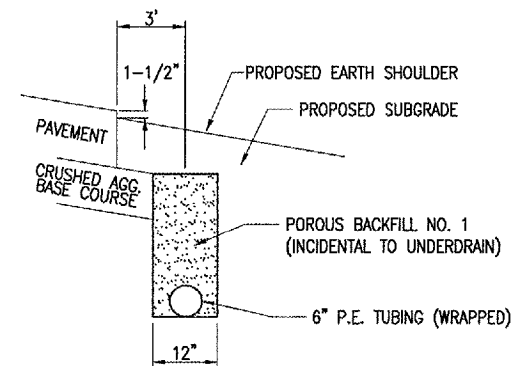
EXCAVATION SHALL BE PAID FOR ONLY ONCE. STOCKPILING OF TOPSOIL FOR LATER REUSE AND REDISTRIBUTION, IF NECESSARY, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. NO PAYMENT WILL BE ALLOWED FOR DOUBLE HANDLING OF ANY MATERIAL.

THE AVAILABLE TOPSOIL WILL BE DISTRIBUTED UNIFORMLY OVER THE PROPOSED TURF AREAS. THE EXCAVATION NECESSARY TO ACHIEVE THE UNIFORM DEPTH OF TOPSOIL IS TO BE CONSIDERED INCIDENTAL TO ITEM 152410 - UNCLASSIFIED EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

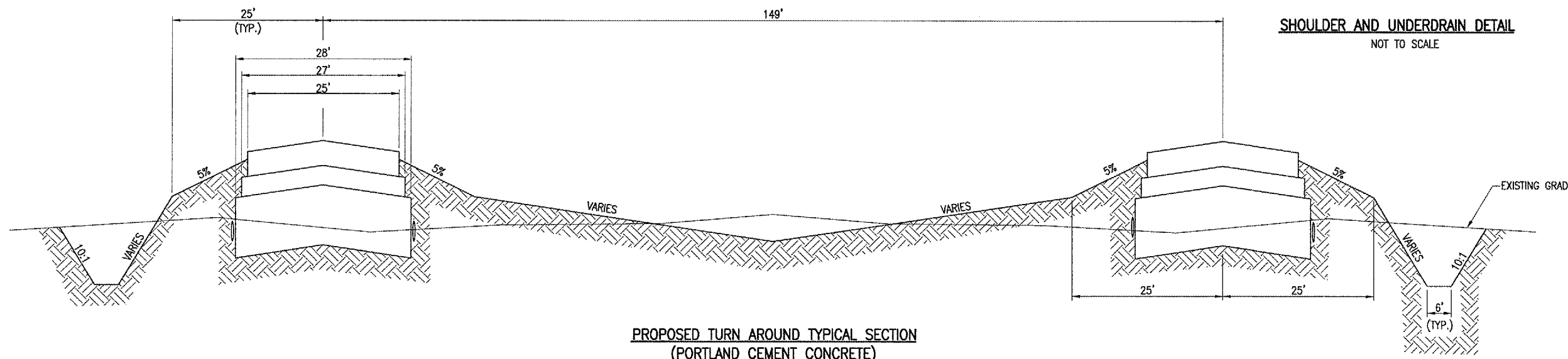
THE COMPACTION OF THE TOP 16" OF MATERIAL BENEATH PAVEMENT AREAS TO BE PROCESSED WILL BE COMPACTED TO A MINIMUM DENSITY OF 92% OF THE MAXIMUM DRY DENSITY.



**PROPOSED TAXIWAY "D" TYPICAL SECTION
(PORTLAND CEMENT CONCRETE)**



**SHOULDER AND UNDERDRAIN DETAIL
NOT TO SCALE**



**PROPOSED TURN AROUND TYPICAL SECTION
(PORTLAND CEMENT CONCRETE)**

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0100-B7
IL PROJ.: TAZ-3166

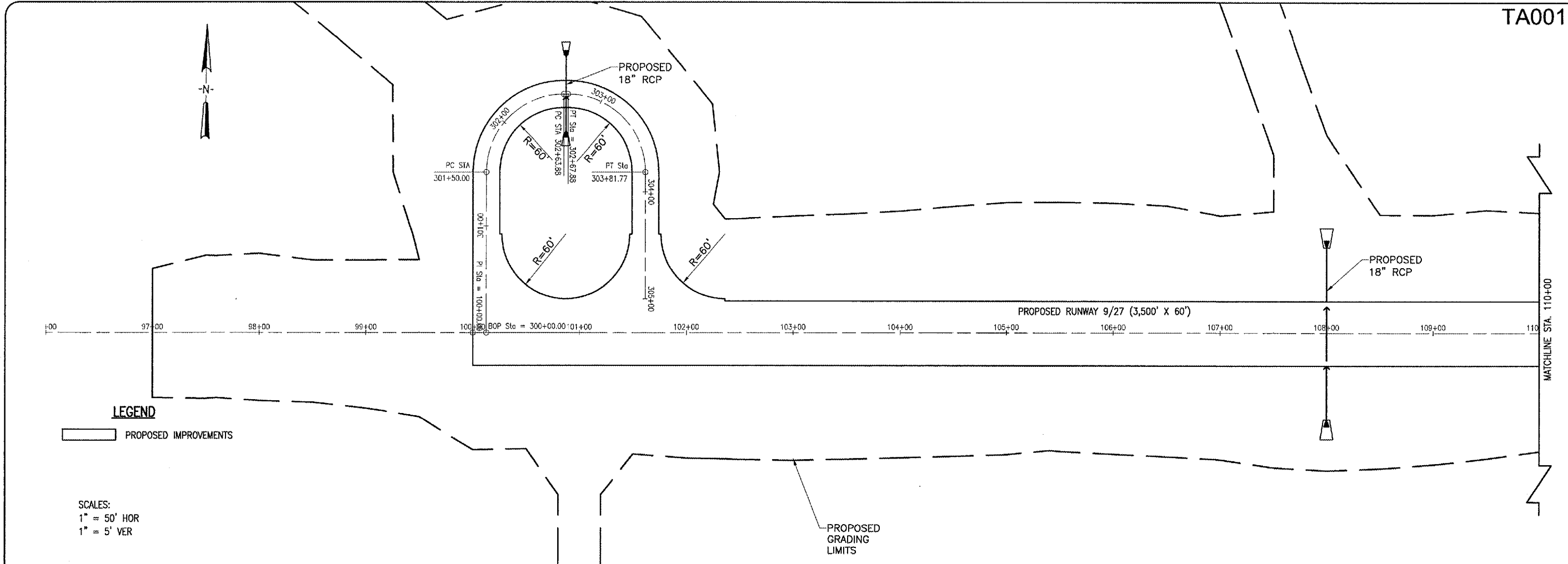
DATE	BY	REVIEWED
02/03/05	RAW	xxx
02/04/05	BAK	xxx
02/03/05	DRANN	xxx

HANSON
Hanson Professional Services, Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2888
Offices Nationwide

CONSTRUCT
RUNWAY 9-27
PROPOSED PORTLAND
CEMENT CONCRETE
TYPICAL SECTIONS

MAY 04, 2005 1:14 PM RAW
I:\AIRPORTS\T.VILLE\828-03RWYGD\AIRPORT_SHEETS\R-004TYP.DWG - PCC

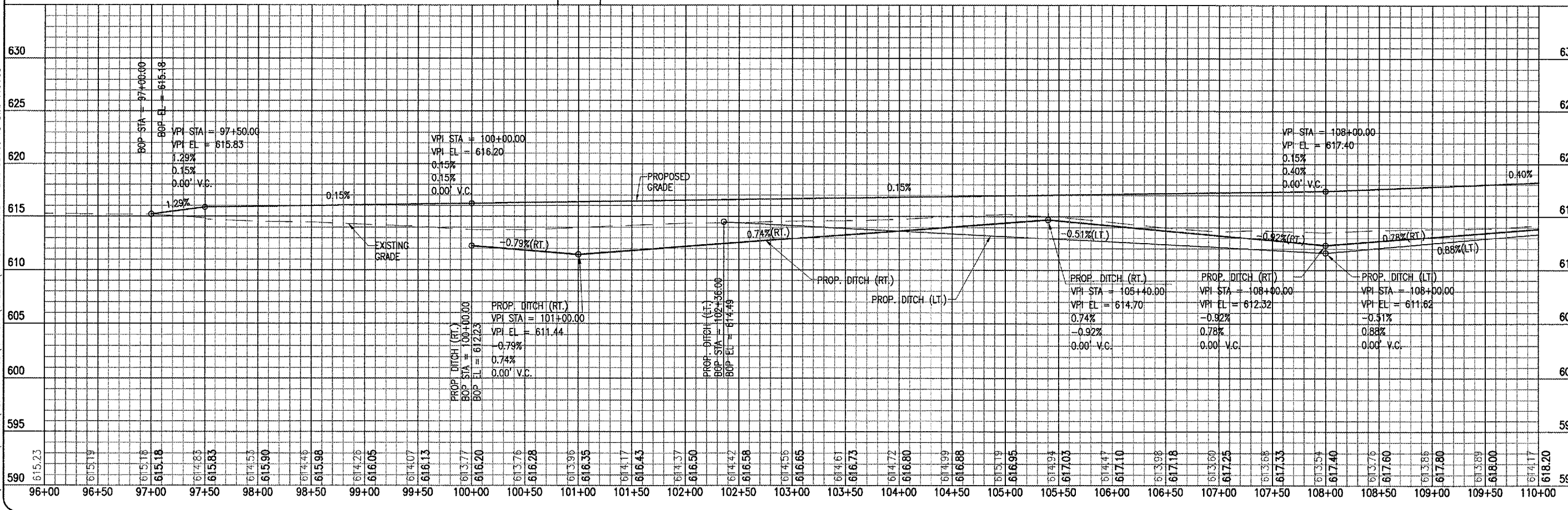
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LEGEND

PROPOSED IMPROVEMENTS

SCALES:
 1" = 50' HOR
 1" = 5' VER



TA001

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 IL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

DATE	REVIEWED	BY
02/16/05	CAH	
02/16/05	BHK	
02/16/05	RAW	



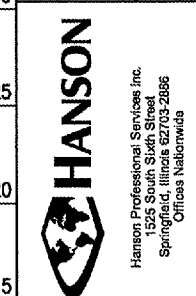
CONSTRUCT
 RUNWAY 9-27
 PROPOSED
 RUNWAY 9-27 PLAN & PROFILE
 STA. 96+00 TO STA. 110+00

DATE	REVISION	BY

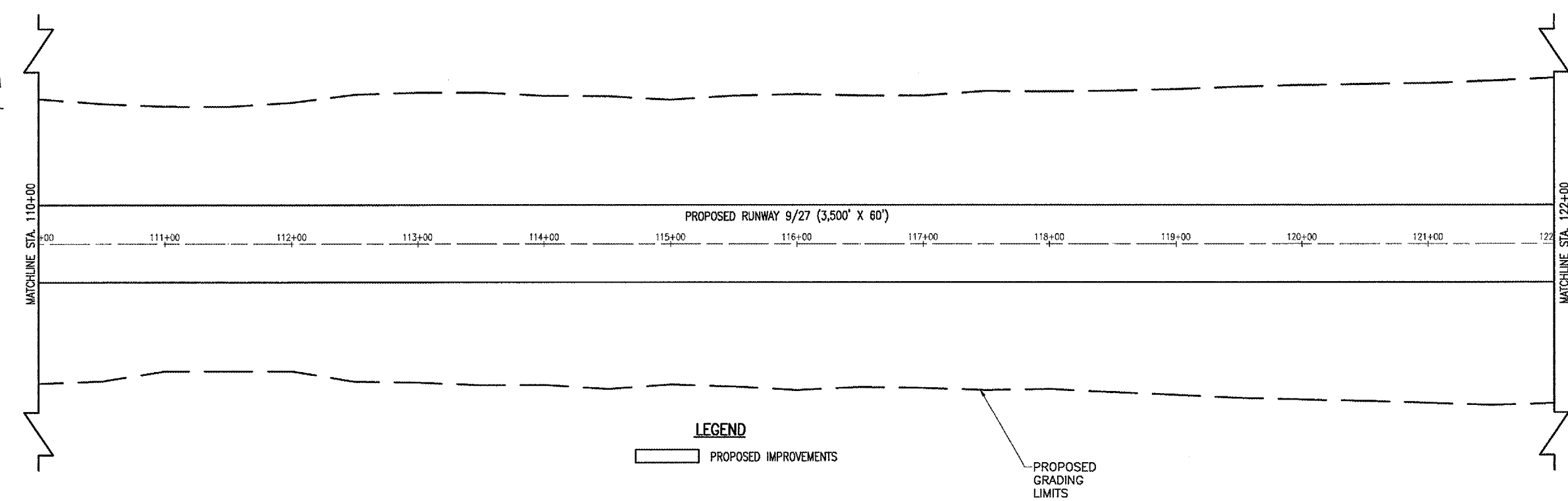
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TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

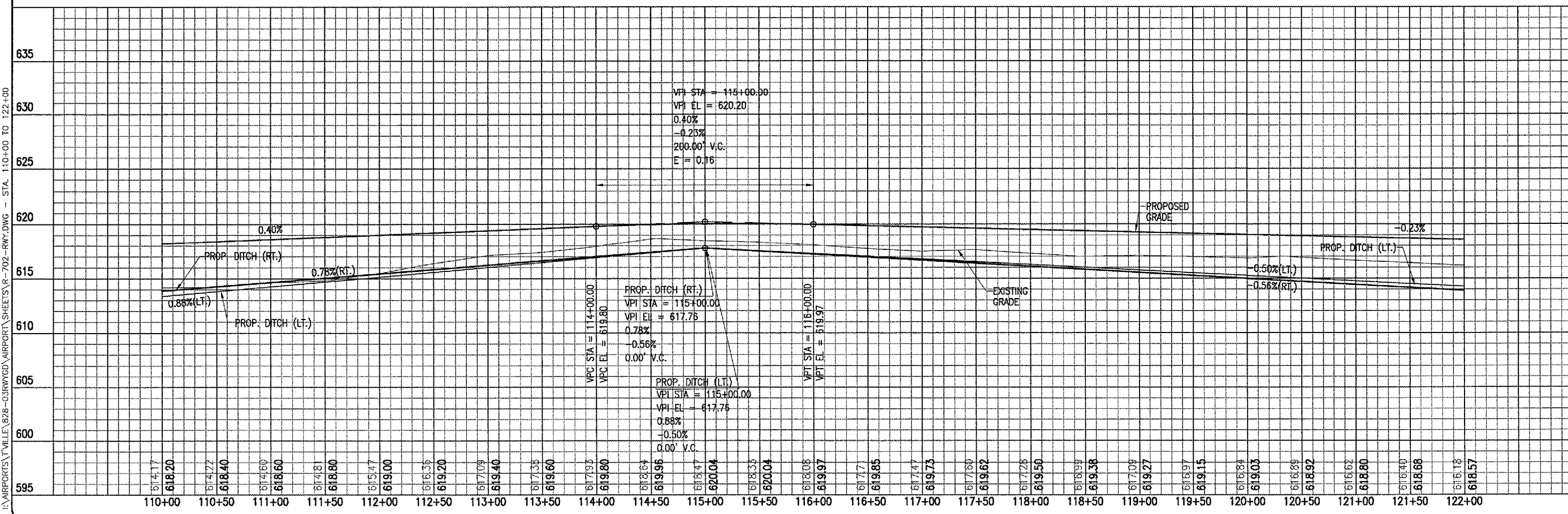
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02/16/05	CAH	
02/16/05	BAK	
02/16/05	RAW	



CONSTRUCT
RUNWAY 9-27
PROPOSED
RUNWAY 9-27 PLAN & PROFILE
STA. 110+00 TO STA. 122+00

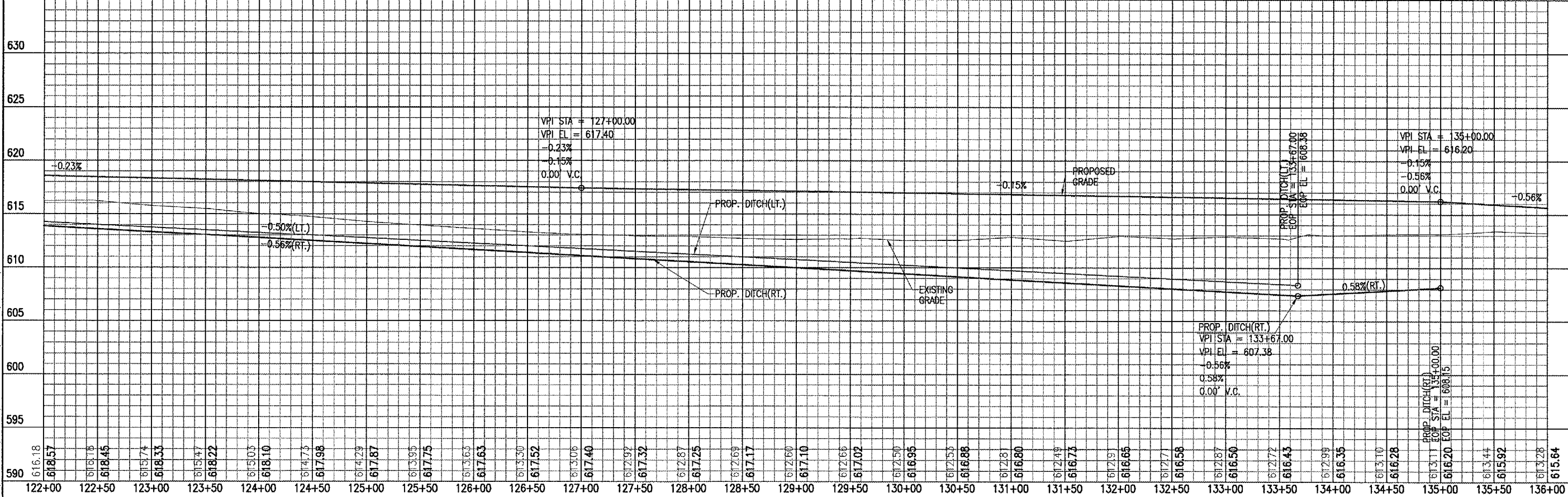
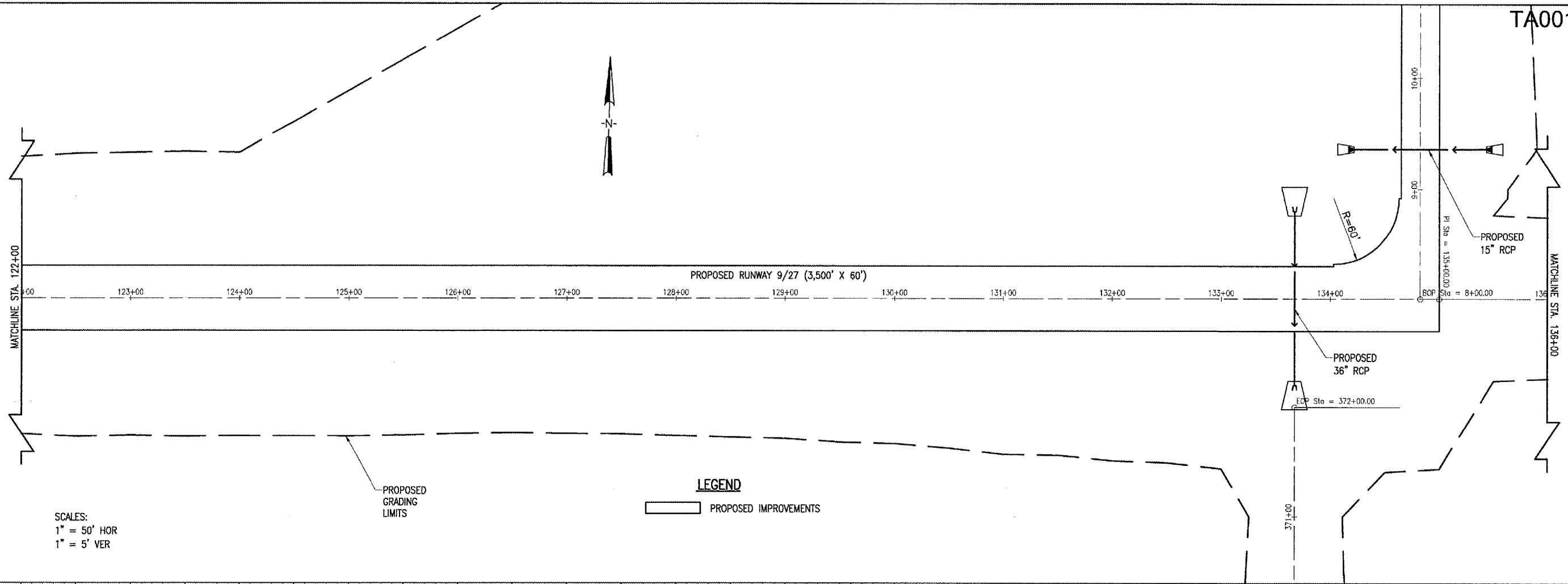


SCALES:
1" = 50' HOR
1" = 5' VER



APR 22, 2005 10:53 AM RAW
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MAY 04, 2005 2:08 PM RAW
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DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS

IL. PROJ.: TAZ-3166
 A.I.P. PROJ.: 3-17-0100-87

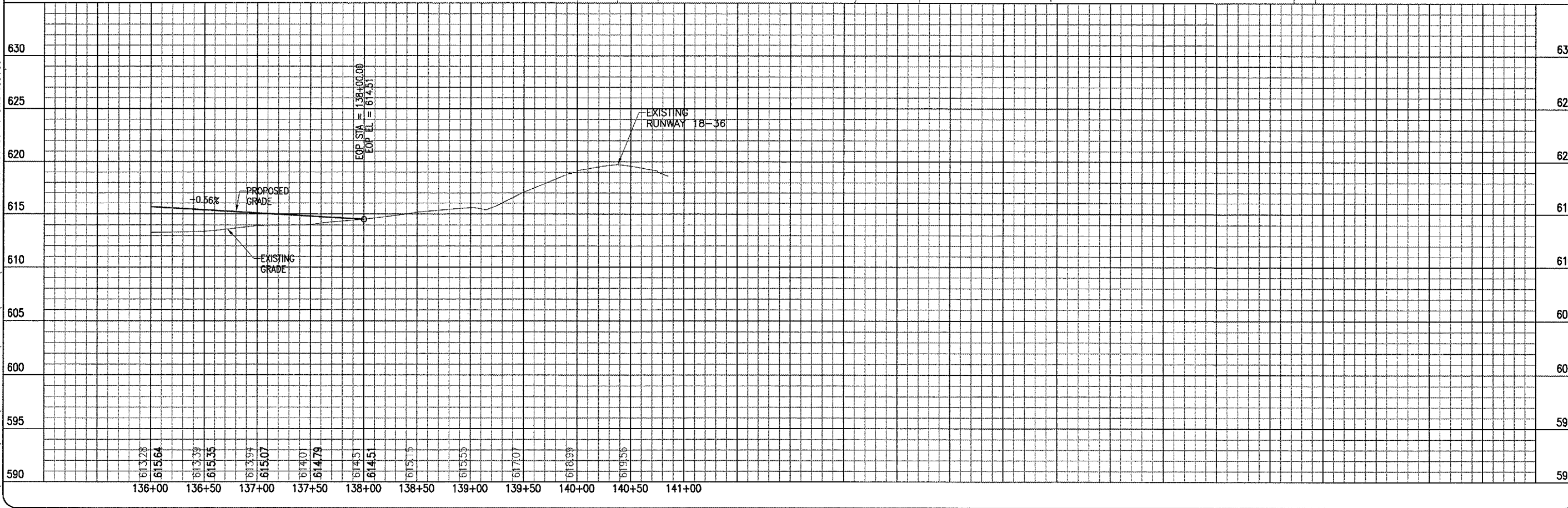
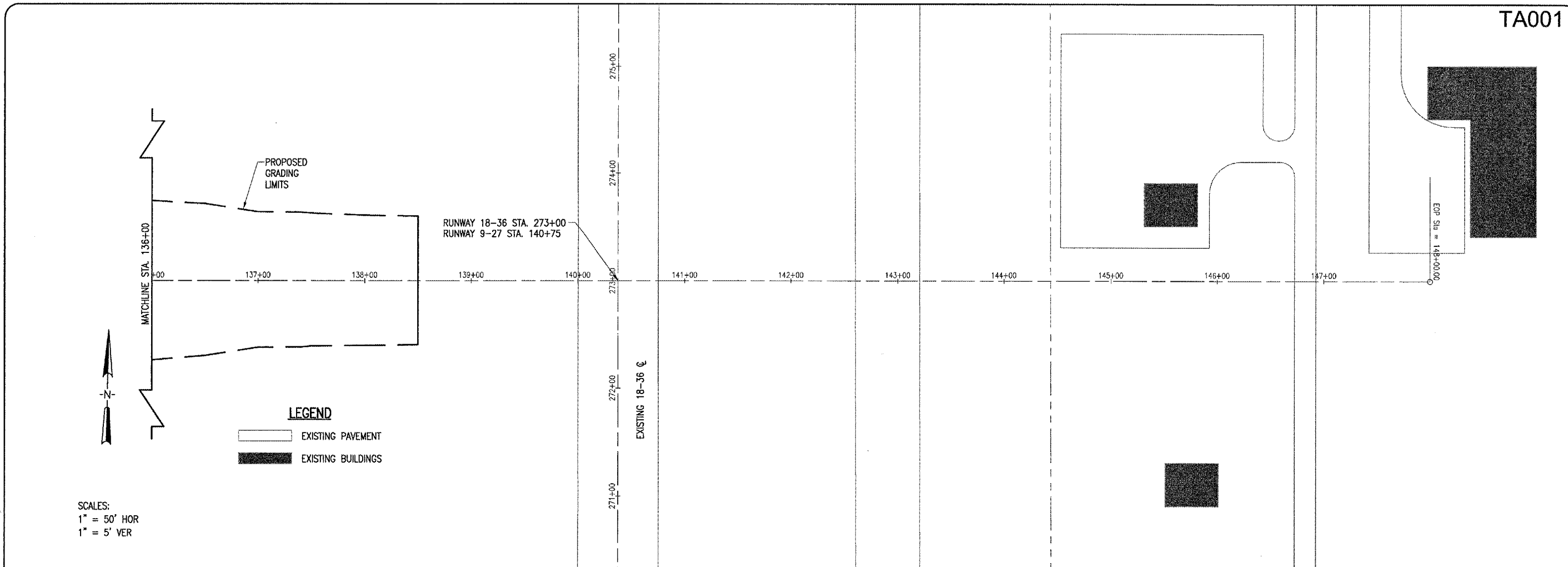
FILE	DATE	BY	REVIEWED
RAW	02/16/05		
BAK	02/16/05		
CAH	03/28/05		



CONSTRUCT
 RUNWAY 9-27

PROPOSED
 RUNWAY 9-27 PLAN & PROFILE
 STA. 122+00 TO STA. 136+00

MAY 04, 2005 2:08 PM RAW
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TA001

SCALES:
 1" = 50' HOR
 1" = 5' VER

LEGEND
 [Line] EXISTING PAVEMENT
 [Shaded Area] EXISTING BUILDINGS

DATE	REVISION	BY

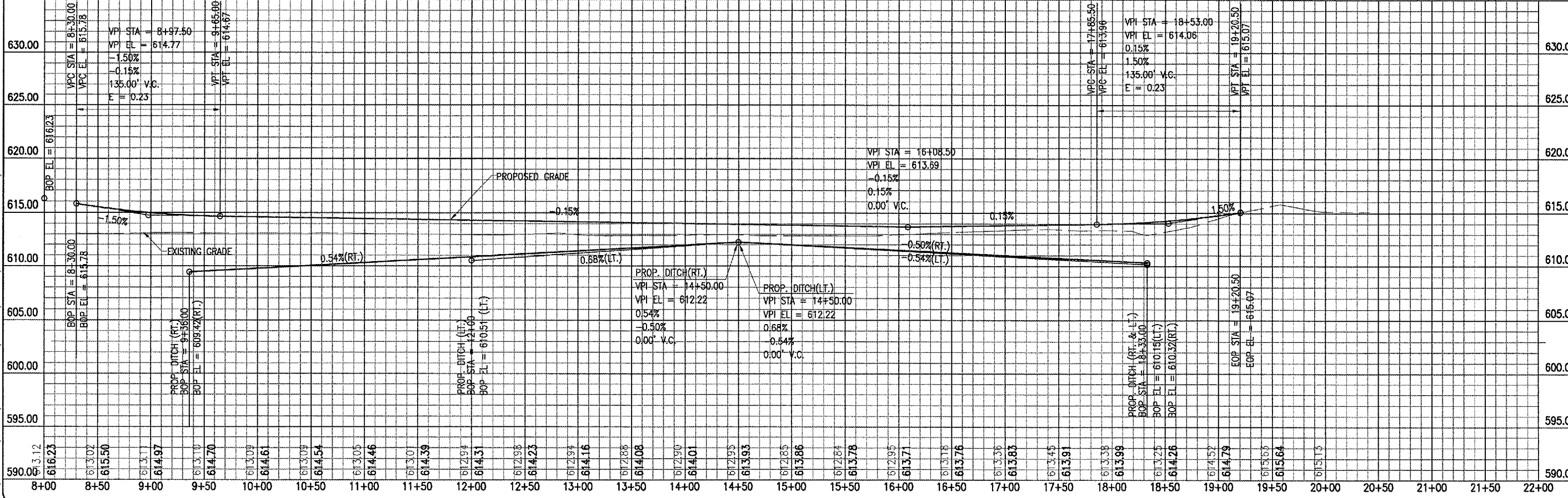
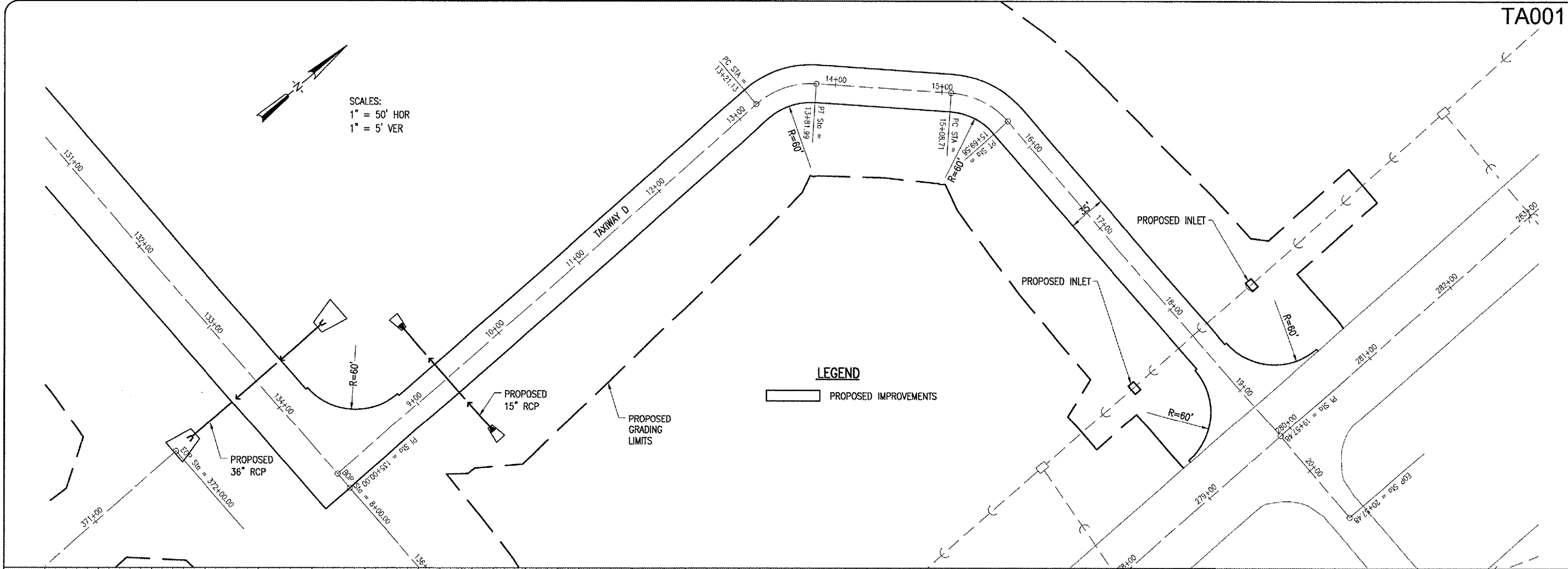
TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

FILE PROJECT No. 828-03RWYGD 0800	RAW	02/16/05
FILENAME R-704-RWY.DWG	BAK	02/16/05
SCALE H, 1"=50' V, 1"=5'	CAH	03/28/05
DATE 02/16/05		



CONSTRUCT RUNWAY 9-27
 PROPOSED
 RUNWAY 9-27 PLAN & PROFILE
 STA. 136+00 TO STA. 138+00

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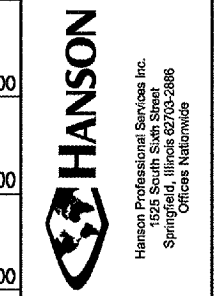


DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166
 A.I.P. PROJ.: 3-17-0100-B7

LAYOUT	RAW	02/22/05
DRAWN	MLB	02/23/05
REVIEWED	CAH	03/28/05



CONSTRUCT
 RUNWAY 9-27

PROPOSED
 TAXIWAY "D" PLAN & PROFILE
 STA. 8+00 TO STA. 19+57.48

DATE	REVISION	BY

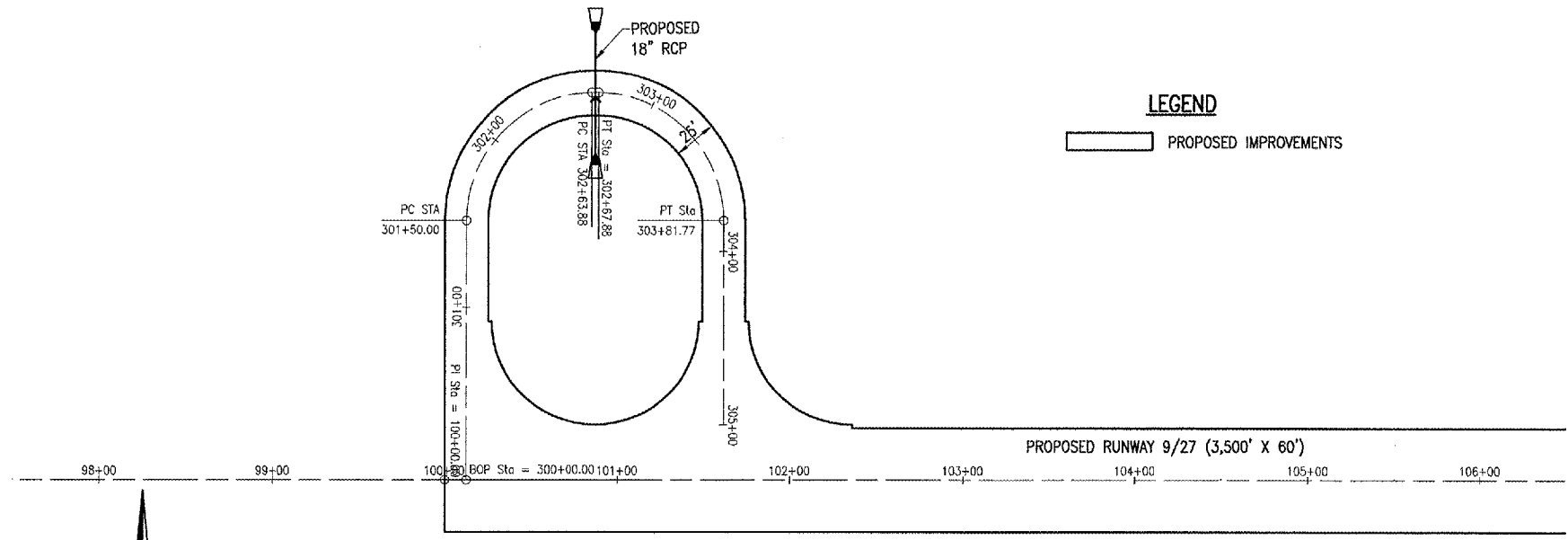
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

DATE	BY	REVISION
02/22/05	CAH	REVIEWED
02/23/05	MLB	DRAWN
03/28/05	CAH	LAYOUT



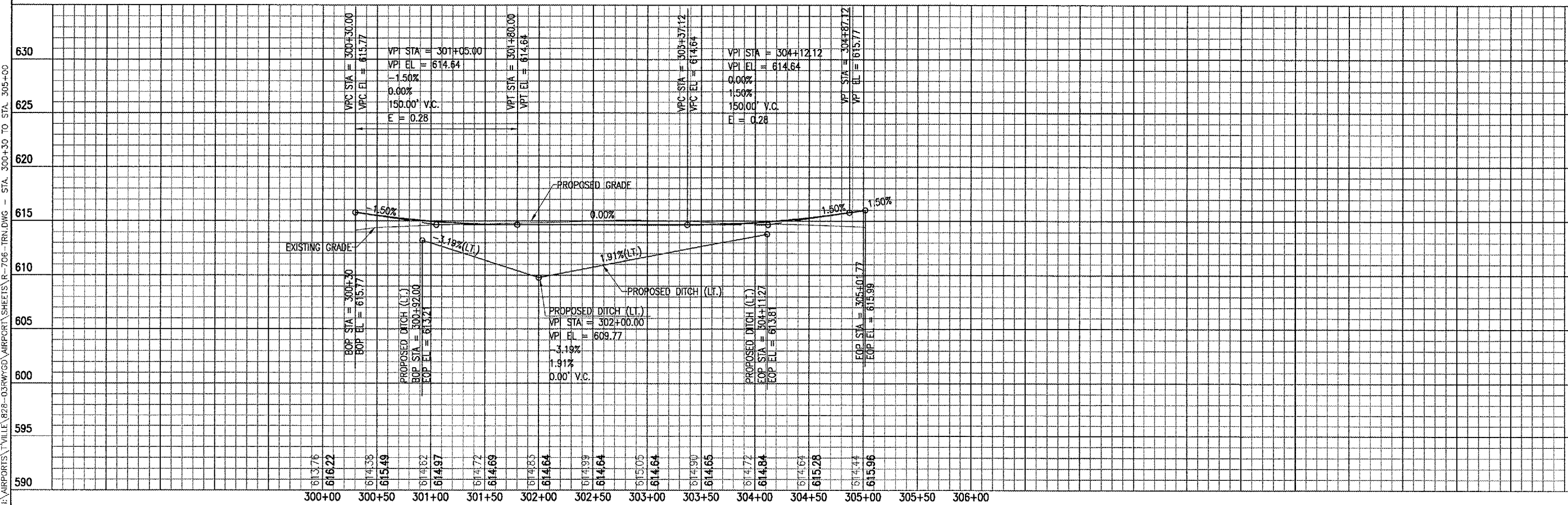
CONSTRUCT
RUNWAY 9-27
PROPOSED TURN AROUND
PLAN AND PROFILE
STA. 300+30 TO STA. 305+00



LEGEND
[Symbol] PROPOSED IMPROVEMENTS

SCALES:
1" = 50' HOR
1" = 5' VER

MAY 04, 2005 2:20 PM RAW
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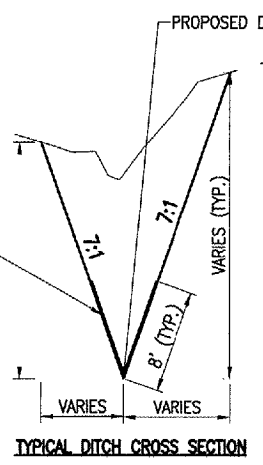
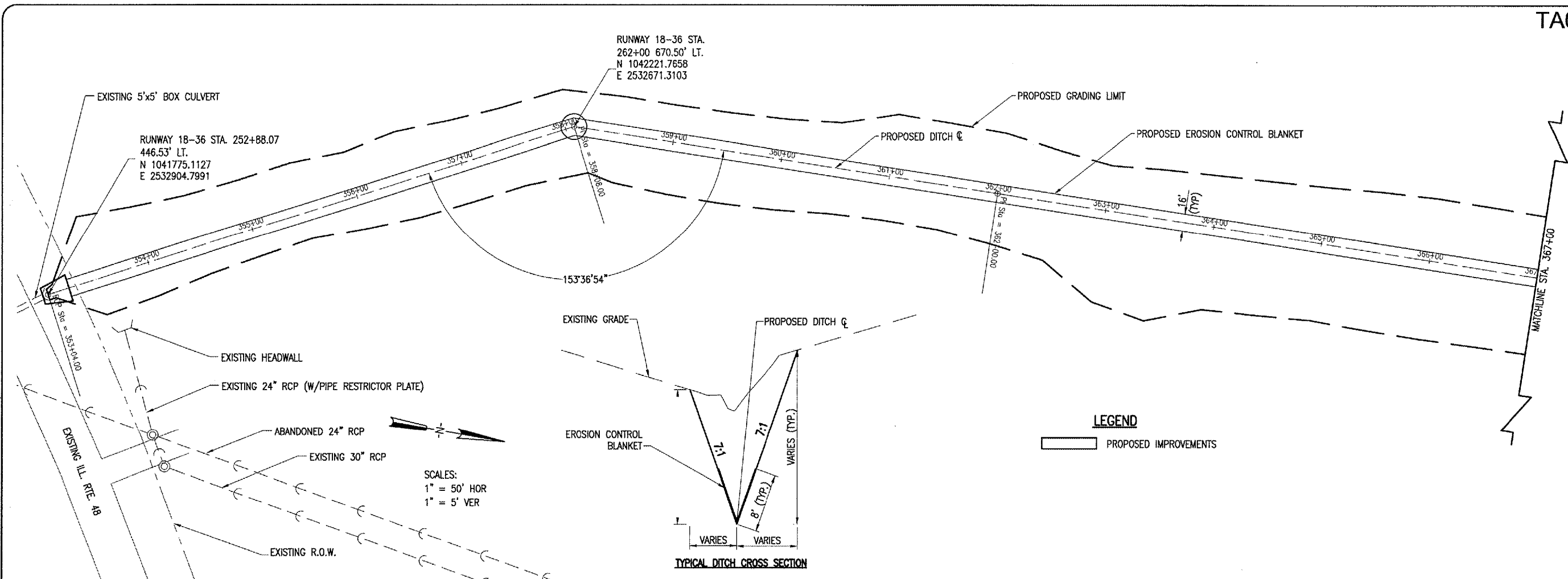
828-03RWYGD_0800

R-706-TRN.DWG

Scale: H, 1"=50', V, 1"=5'

Date: 02/23/05

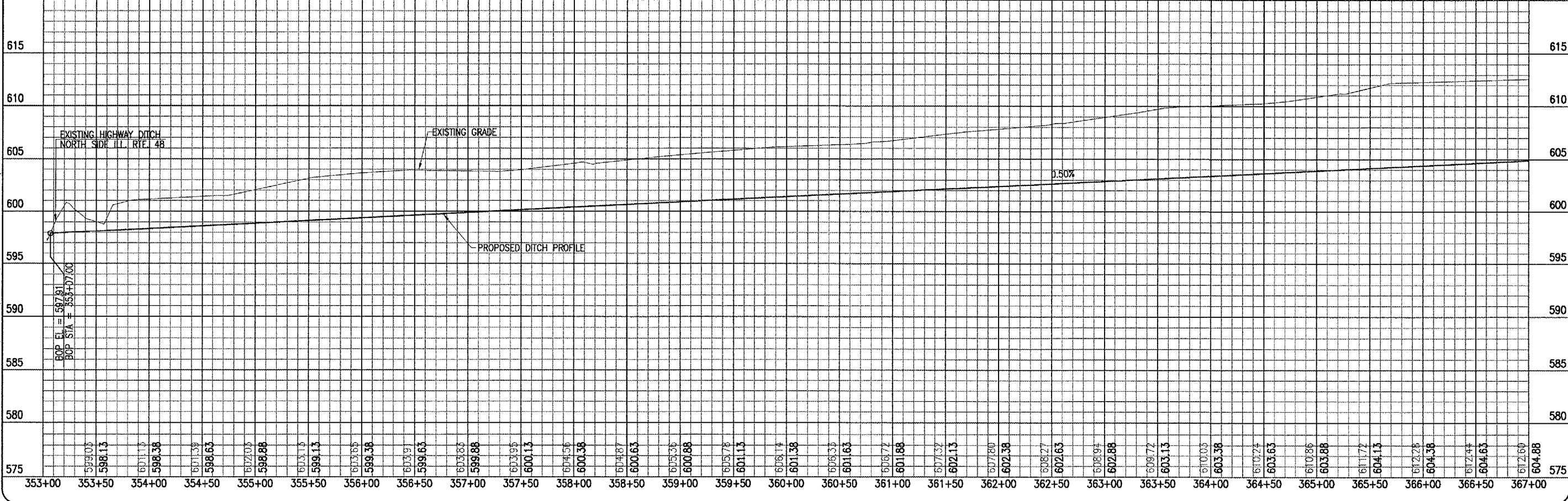
TA001



LEGEND
 PROPOSED IMPROVEMENTS

SCALES:
 1" = 50' HOR
 1" = 5' VER

MAY 04, 2005 1:45 PM RAW
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DATE	REVISION	BY

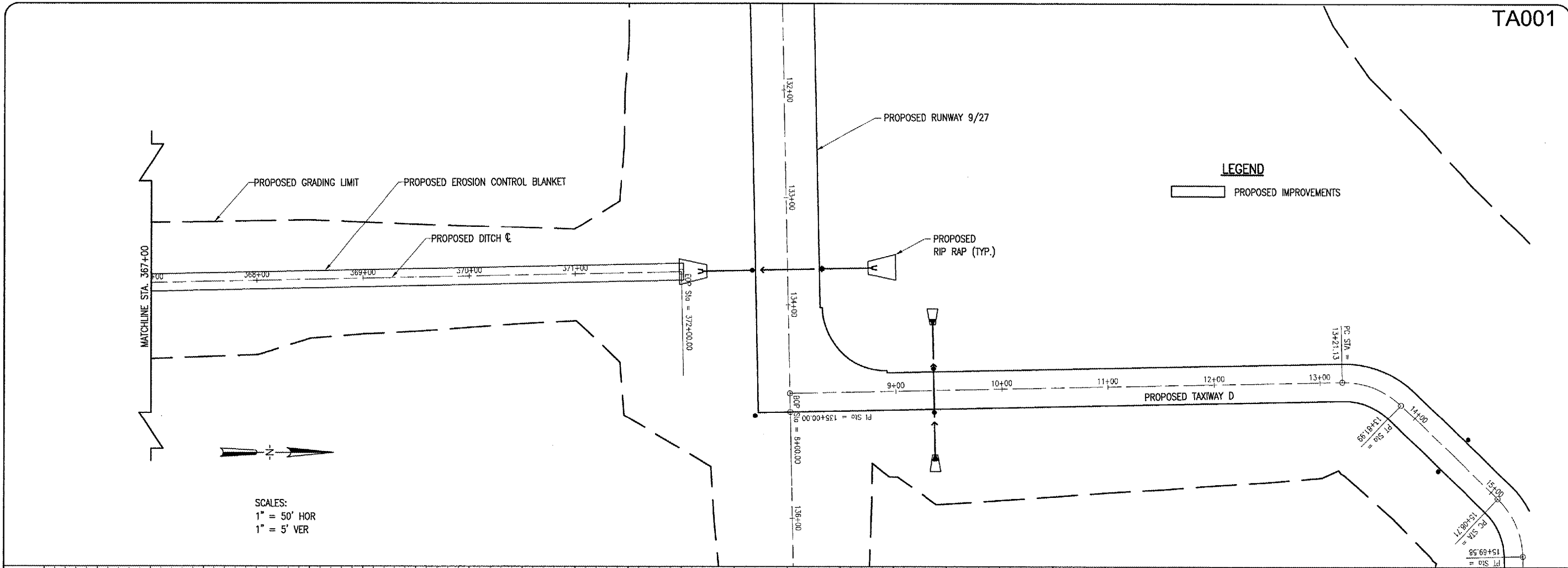
TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

LAYOUT	RAW	02/23/05
DRAWN	MLB	02/24/05
REVIEWED	CAH	03/28/05

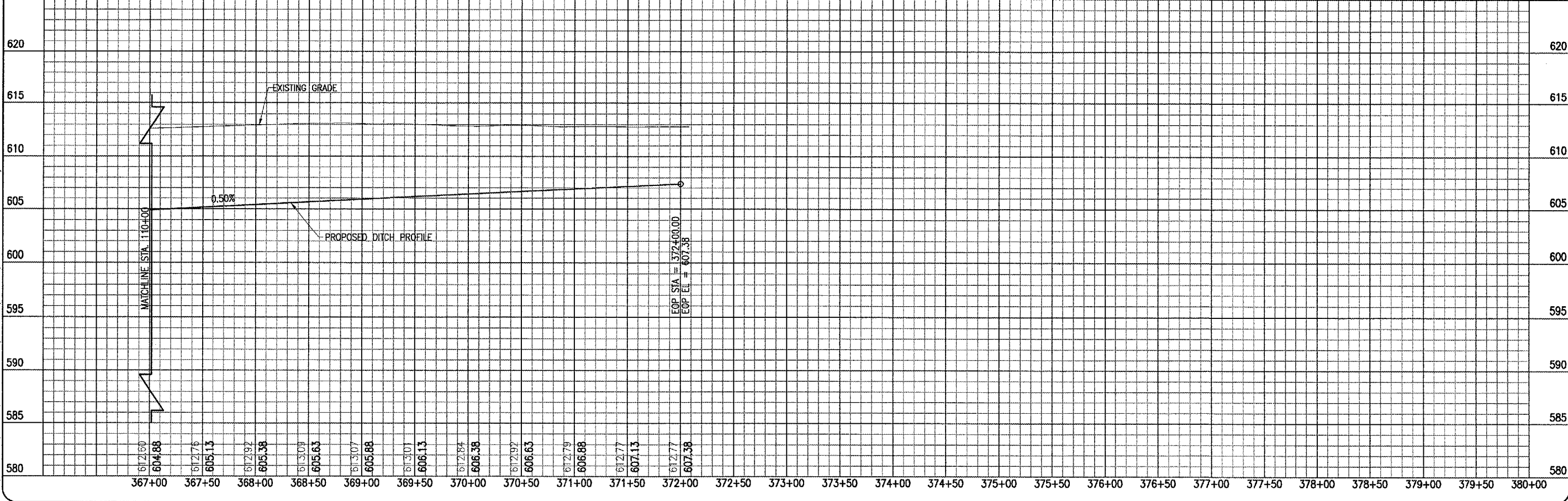


CONSTRUCT
 RUNWAY 9-27
 PROPOSED
 DITCH PLAN AND PROFILE
 STA. 353+07 TO STA. 367+00

MAY 04, 2005 1:45 PM RAW
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SCALES:
 1" = 50' HOR
 1" = 5' VER



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL. PROJ.: FAZ-3166 A.I.P. PROJ.: 3-17-0100-87

HEI Project No. 828-03RWYGD_0800	DATE	02/23/05
DATE	02/24/05	03/28/05
SCALE	H. 1"=50' V. 1"=5'	
LAYOUT	RAW	CAH
DRAWN	MLB	
REVIEWED		



CONSTRUCT
RUNWAY 9-27

PROPOSED
 DITCH PLAN AND PROFILE
 STA. 367+00 TO STA. 372+00

BASE BID DRAINAGE QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR156540	RIPRAP	S.Y.	238
AR701515	15" RCP CLASS IV	L.F.	120
AR701518	18" RCP CLASS IV	L.F.	228
AR701536	36" RCP CLASS IV	L.F.	160
AR705526	6" PERFORATED UNDERDRAIN W/SOCK	L.F.	10,091
AR705630	UNDERDRAIN INSPECTION HOLE	EACH	25
AR751410	INLET	EACH	2
AR752415	PRECAST REINFORCED CONC. FES 15"	EACH	2
AR752418	PRECAST REINFORCED CONC. FES 18"	EACH	4
AR752636	CONCRETE HEADWALL 36"	EACH	2

156540-RIPRAP NOTES:

THE PROPOSED RIPRAP SHALL BE PLACED IN ACCORDANCE WITH ITEM AR156540 "RIPRAP" AS STATED ON PAGE 182 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

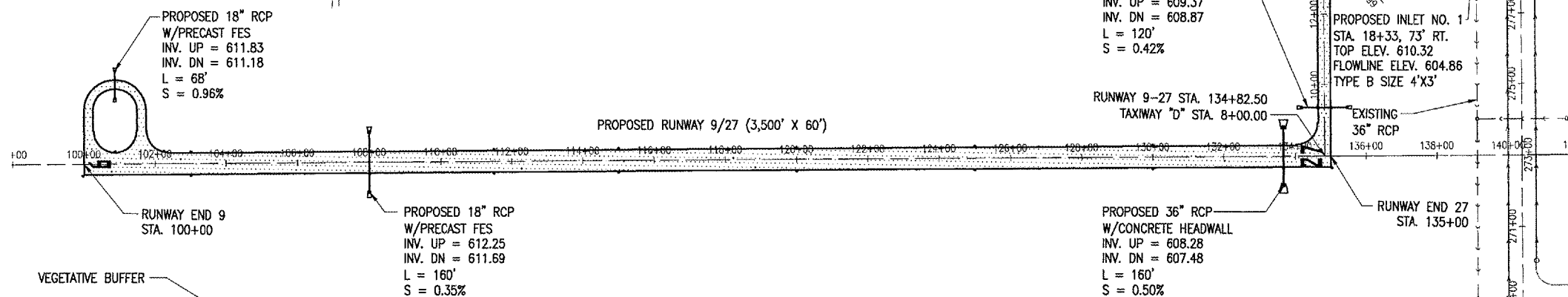
THE PROPOSED RIPRAP WILL BE GRADATION NO. 3 AND PLACED TO THE DIMENSIONS AS SHOWN ON THIS SHEET AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

A FILTER FABRIC WILL BE REQUIRED UNDER THE STONE RIPRAP. THE FILTER FABRIC MATERIAL WILL BE IN ACCORDANCE WITH THE REQUIREMENTS AS STATED ON PAGE 183 FOR A GRADATION 4 & 5 RIPRAP STONE. THE FILTER FABRIC WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE RIPRAP AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

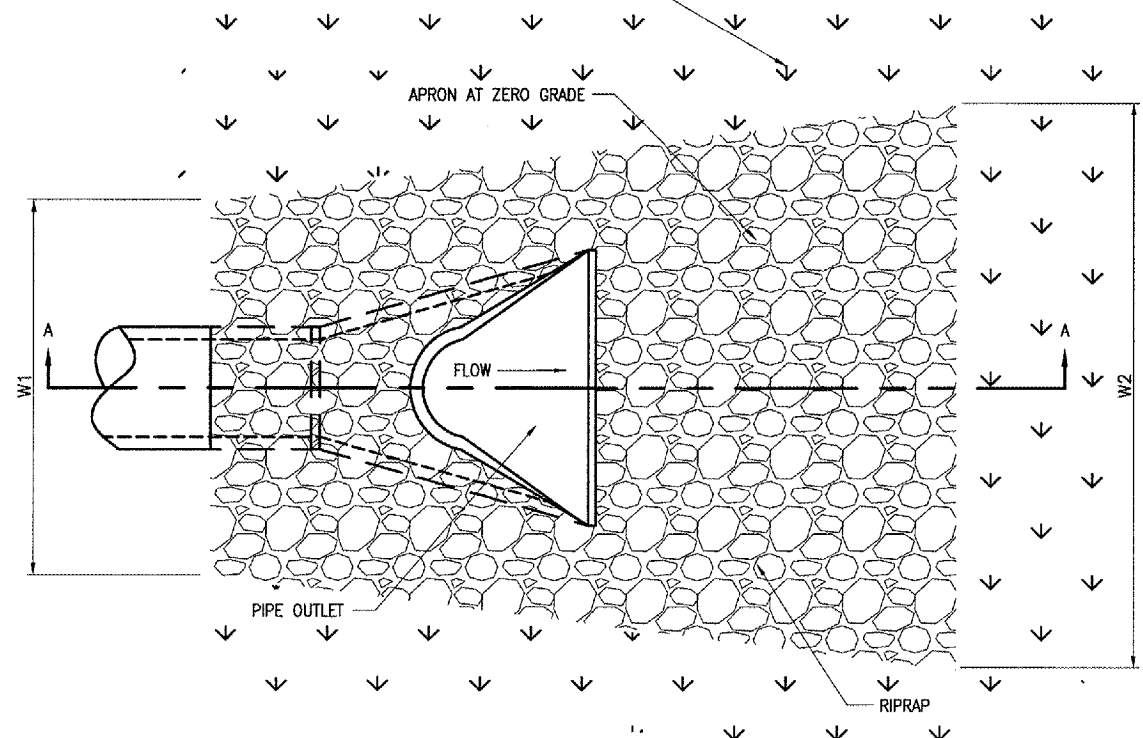
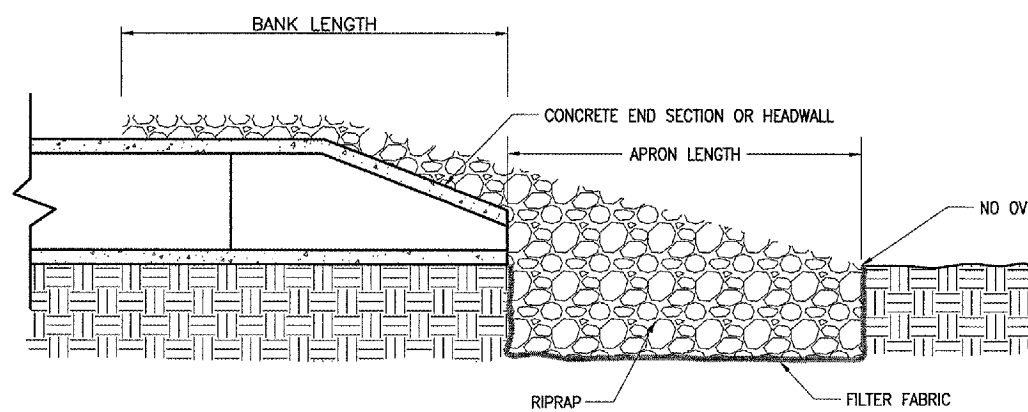
THE PROPOSED RIPRAP WILL BE PAID FOR UNDER ITEM:
AR156540 RIPRAP _____ 238 S.Y.

DITCH GRADING/PIPE DISCHARGE NOTES:

REFER TO THE PROPOSED STAKING PLAN FOR DITCH GRADING REQUIREMENTS AT THE DISCHARGE POINT FOR EACH OF THE PIPES SHOWN. EACH PIPE OUTFALL DITCH WILL BE CONSTRUCTED WITH A V-BOTTOM AND VARIABLE SIDE SLOPES AS SHOWN ON THE TYPICAL SECTIONS CONTAINED WITHIN THE PROPOSED STAKING PLAN. THE GRADING IS INCLUDED IN THE QUANTITY OF UNCLASSIFIED EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE PROPOSED GRADING OF THE DITCHES AT EACH PIPE DISCHARGE POINT.



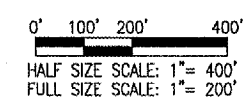
RIPRAP DIMENSIONS							
ALIGNMENT	PIPE	W1	W2	BANK LENGTH	APRON LENGTH	TOTAL LENGTH	AREA (S.Y.)
TURN AROUND	18" RCP (BOTH ENDS)	4	8	4	8	12	16
TAXIWAY "D"	15" RCP (BOTH ENDS)	5	10	5	10	15	26
RUNWAY 9-27	18" RCP (BOTH ENDS)	6	12	6	12	18	36
RUNWAY 9-27	36" RCP (BOTH ENDS)	12	24	8	18	26	104
ILLINOIS RT. 48	5 X 5 BOX (ONE END)	15	25	5	20	25	56
						TOTAL	238



PIPE OUTLET PROTECTION
"NOT TO SCALE"
FOR RIPRAP DIMENSIONS SEE TABLE ON THIS SHEET

PIPE OUTLET PROTECTION SECTION A-A
"NOT TO SCALE"

- LEGEND**
- EXISTING IMPROVEMENTS
 - PROPOSED IMPROVEMENTS
 - EXISTING STORM SEWER
 - EXISTING EDGE DRAIN
 - EXISTING STORM SEWER INLET
 - EXISTING STORM SEWER MANHOLE
 - EXISTING EDGE DRAIN INSPECTION HOLE



DATE	REVISION	BY

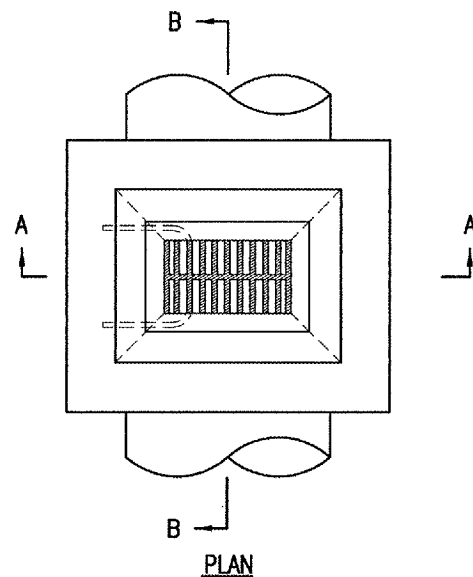
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0100-B7
L. PROJ.: TAZ-3166

LAYOUT	JMB	02/05/04
DRAWN	JMB	02/05/04
REVIEWED	CAH	xx/xx/xx



CONSTRUCT
RUNWAY 9-27
PROPOSED
DRAINAGE PLAN

MAY 04, 2005 2:01 PM RAW I:\AIRPORTS\TYLLE\628-03RWYGD_AIRPORT_SHEETS\R-132DRN.DWG - DRAINAGE



INLET NOTES

INLET TO BE CONSTRUCTED OF STRUCTURAL P.C. CONCRETE. THE CONTRACT UNIT PRICE PER INLET SHALL INCLUDE THE FRAME, GRATE AND STEPS IN PLACE AND COMPLETE PER UNIT.

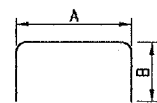
1/2" CHAMFER TO BE USED ON ALL EXPOSED CORNERS OF INLETS. BARS TO BE INSTALLED 2" FROM FACE OF WALLS.

THE FRAME AND GRATE SHALL BE NEENAH R-3475 OR APPROVED EQUAL.

INLET STEPS SHALL BE NEENAH R-1982-1, OR APPROVED EQUAL, INSTALLED 15" CENTER-TO-CENTER. THE COST OF THE STEPS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EACH INLET.

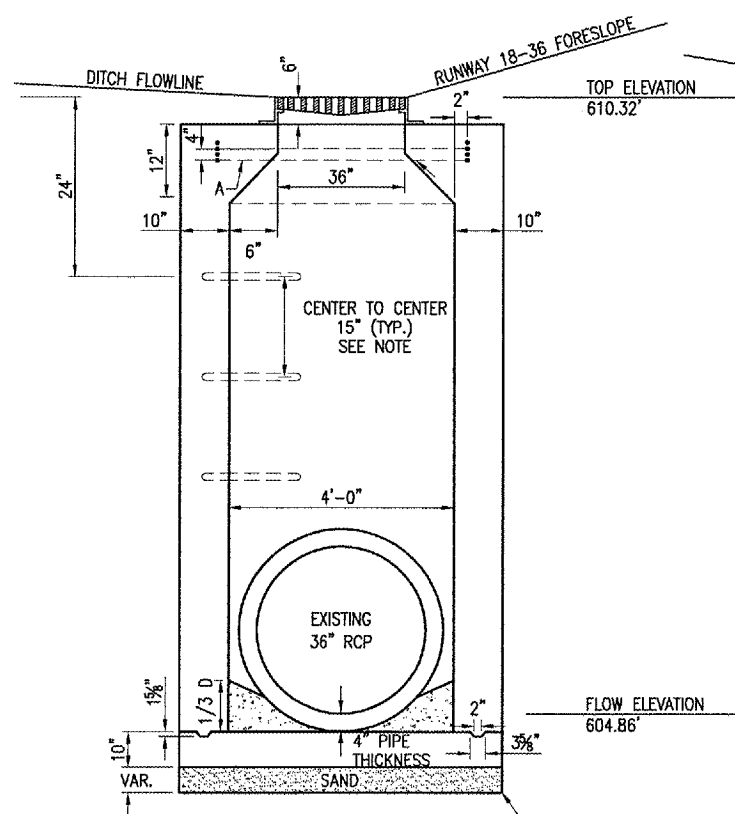
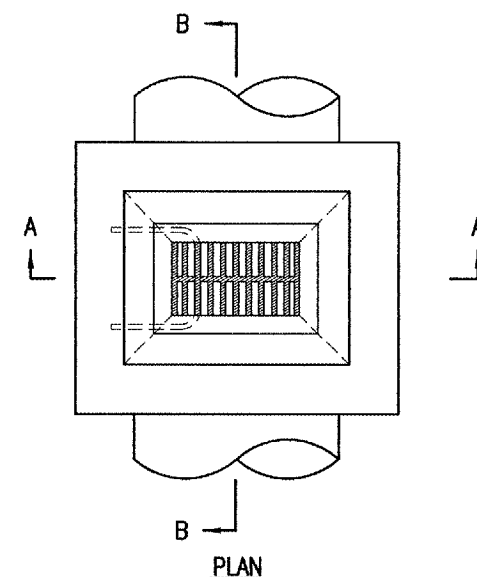
HEADWALL DETAIL

THE PROPOSED 36" PCC HEADWALLS WILL BE CONSTRUCTED ACCORDING TO DOT STANDARD 542101 - REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" TO 36" AT RIGHT ANGLES WITH ROADWAY.

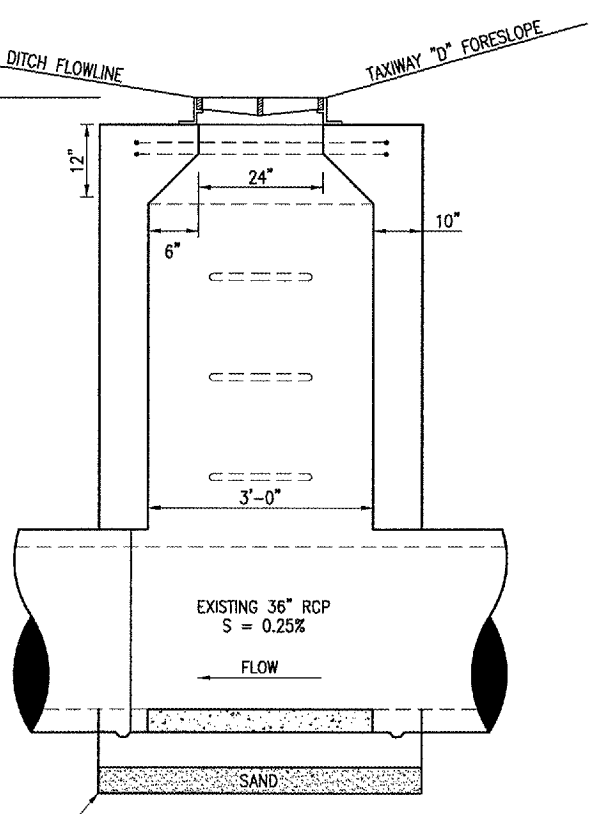


REINFORCING STEEL BAR TYPE

TYPE	QUANTITY PER INLET	DIMENSIONS		SIZE	APPROX. WT. OF BARS IN INLET
		A	B		
A	4	4'-4"	3'-0"	#5	43.1

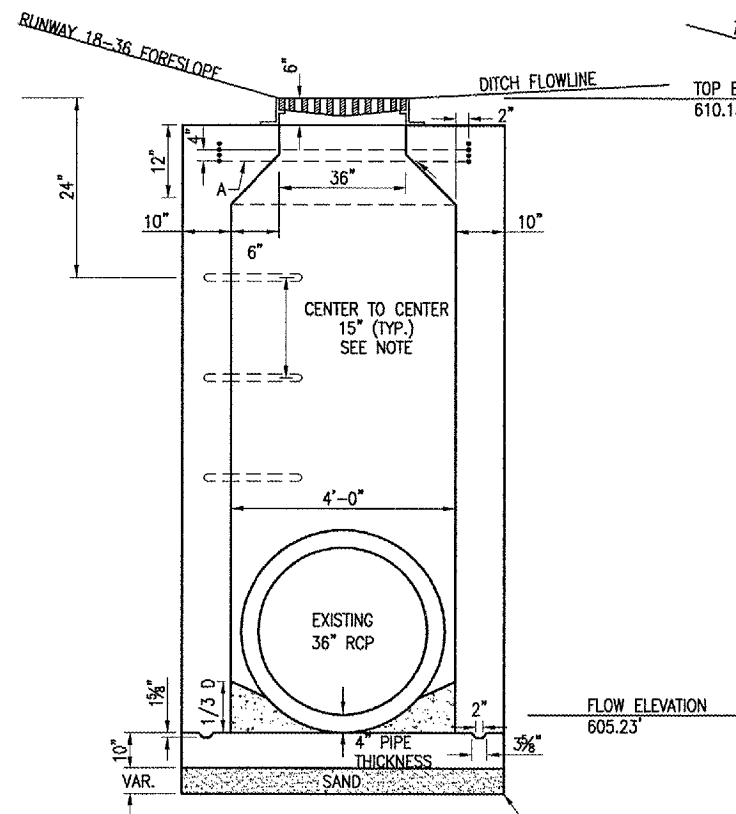


SECTION A-A

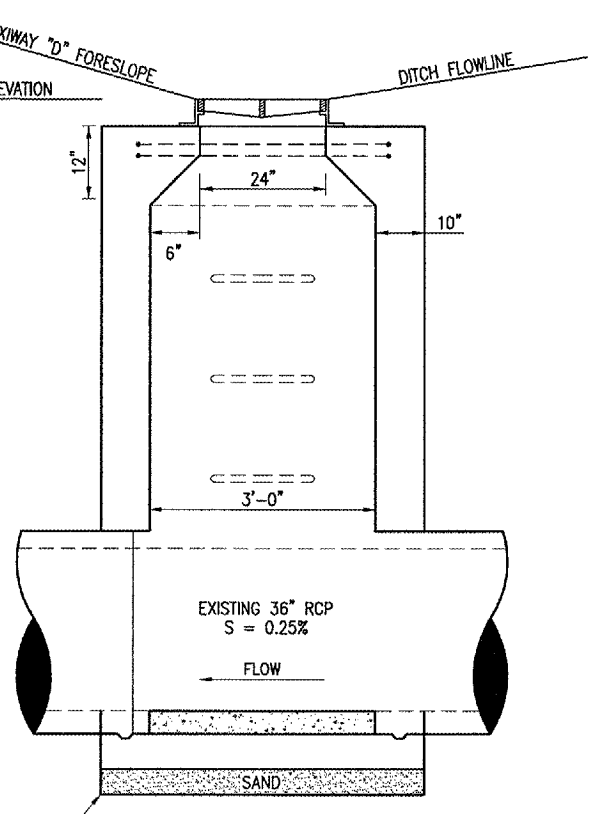


SECTION B-B

PROPOSED INLET NO. 1



SECTION A-A



SECTION B-B

PROPOSED INLET NO. 2

MAY 04, 2005 2:16 PM RAW I:\AIRPORTS\T.VILLE\B2B-03RWYGD\AIRPORT\SHEETS\A-531DRN.DWG - DRAINAGE DETAILS

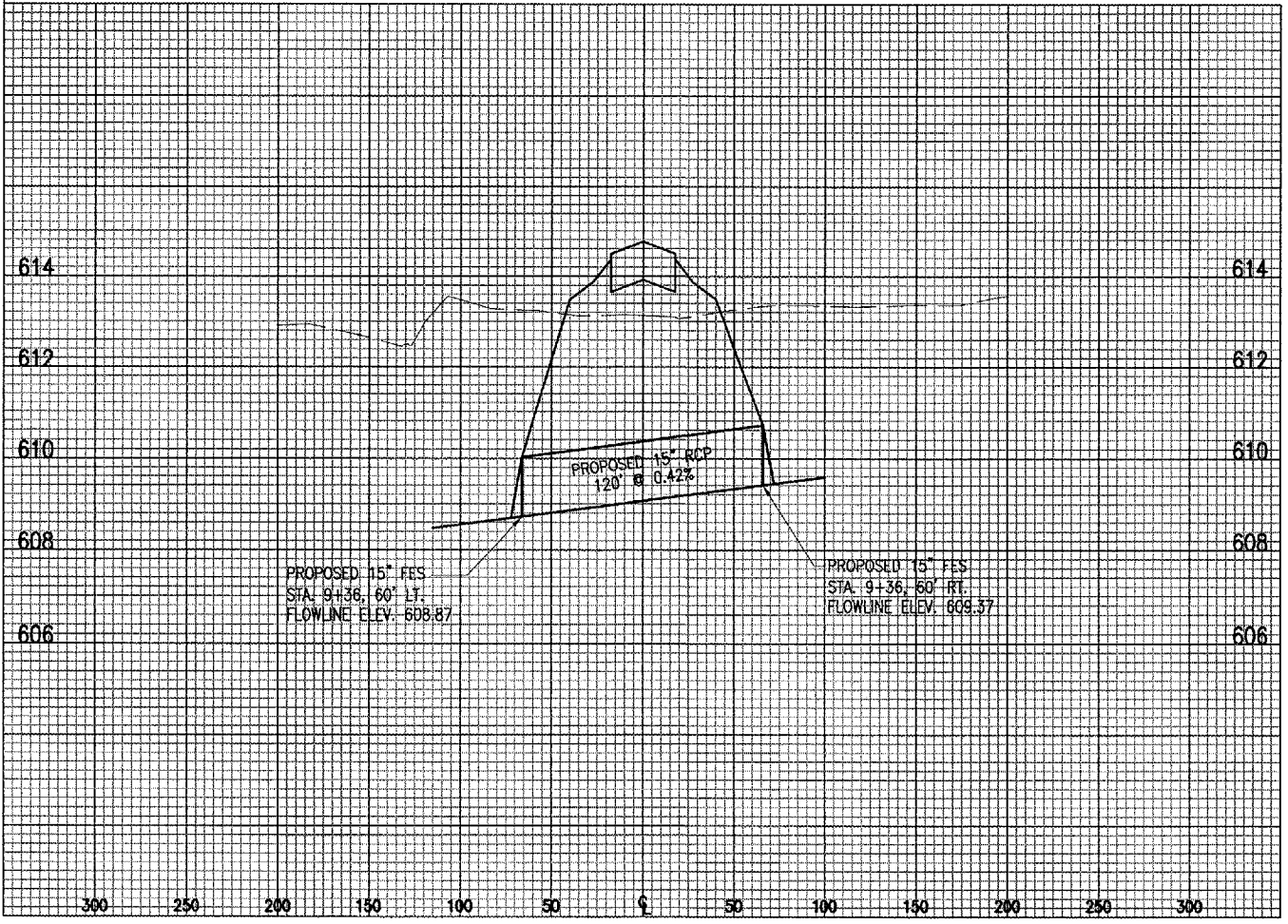
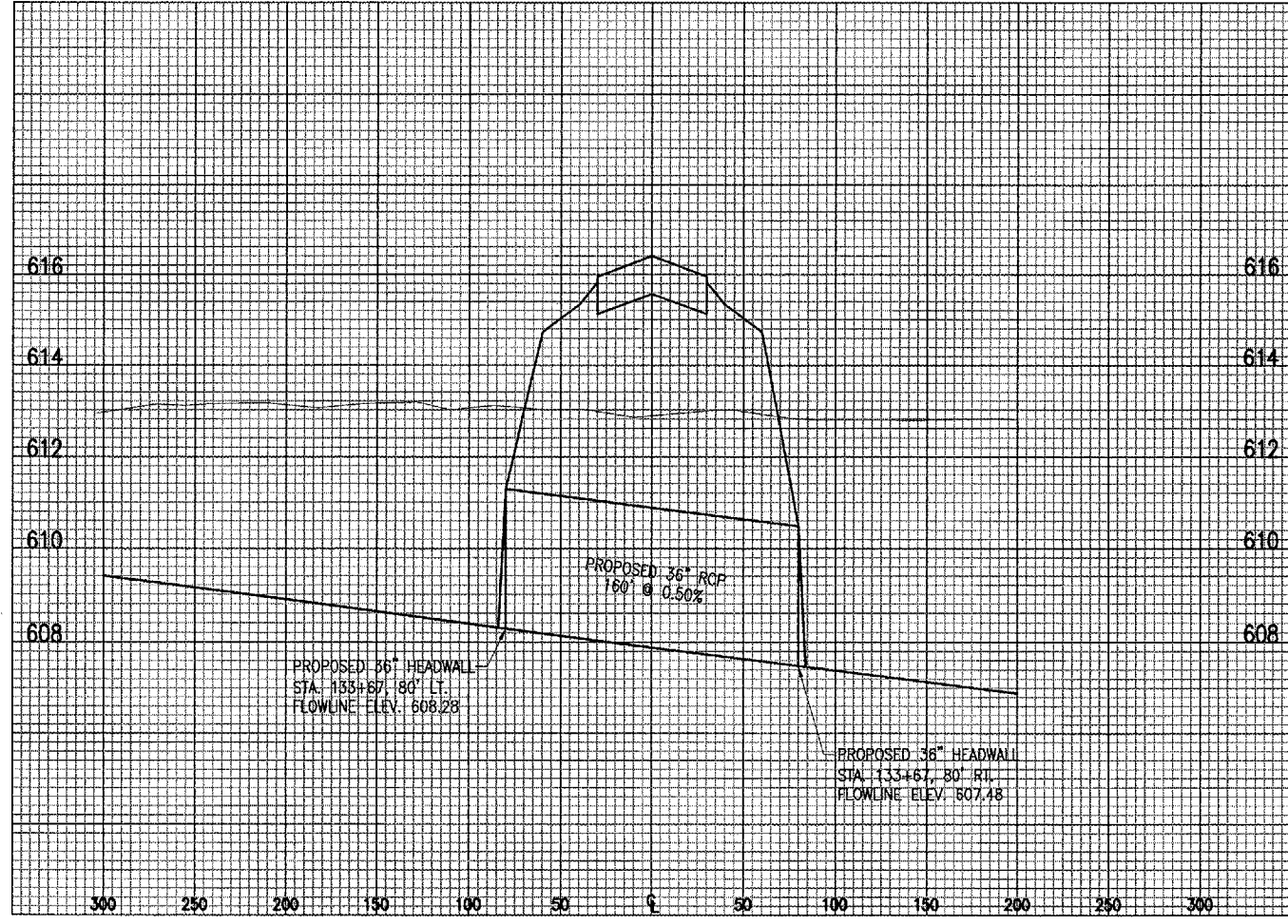
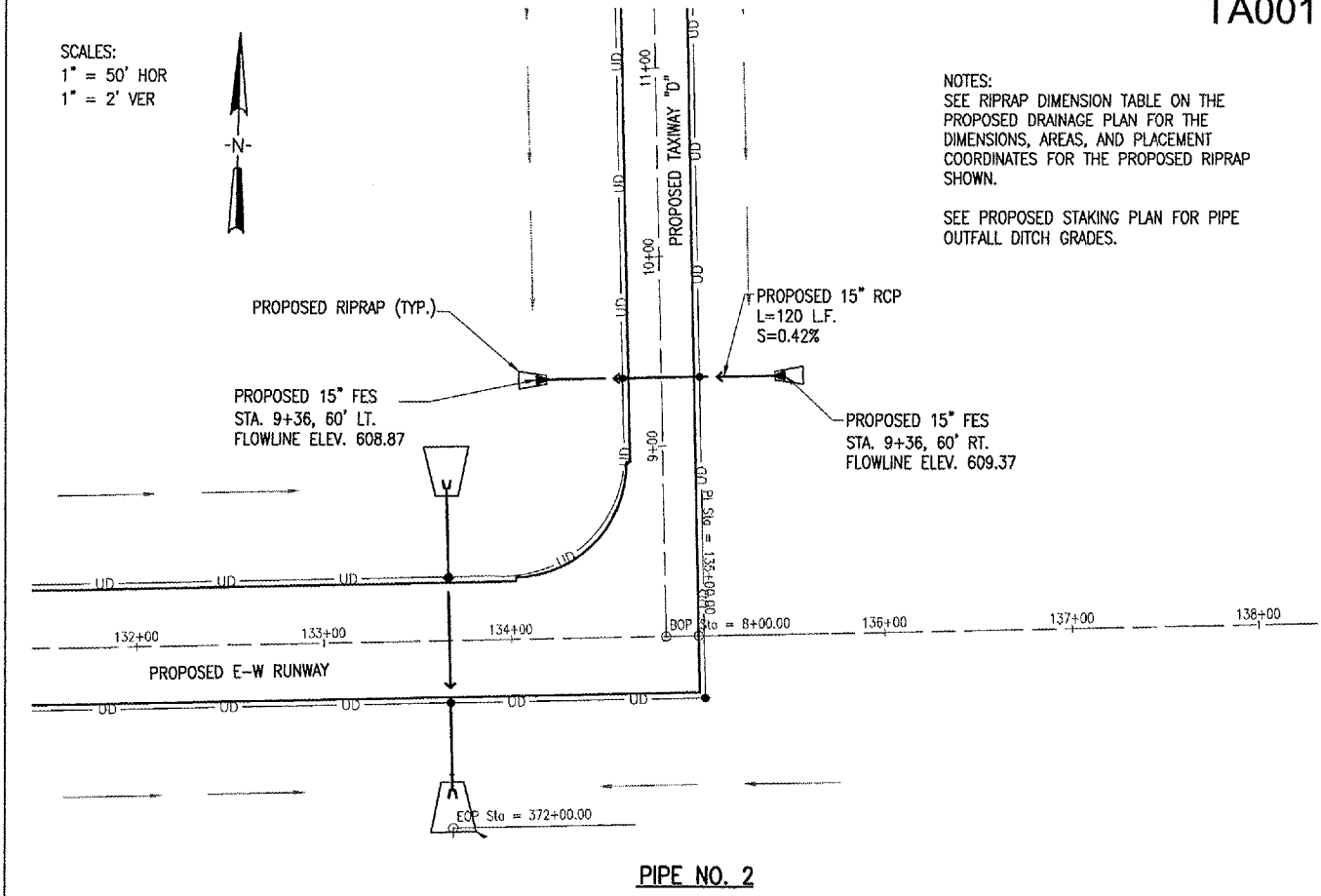
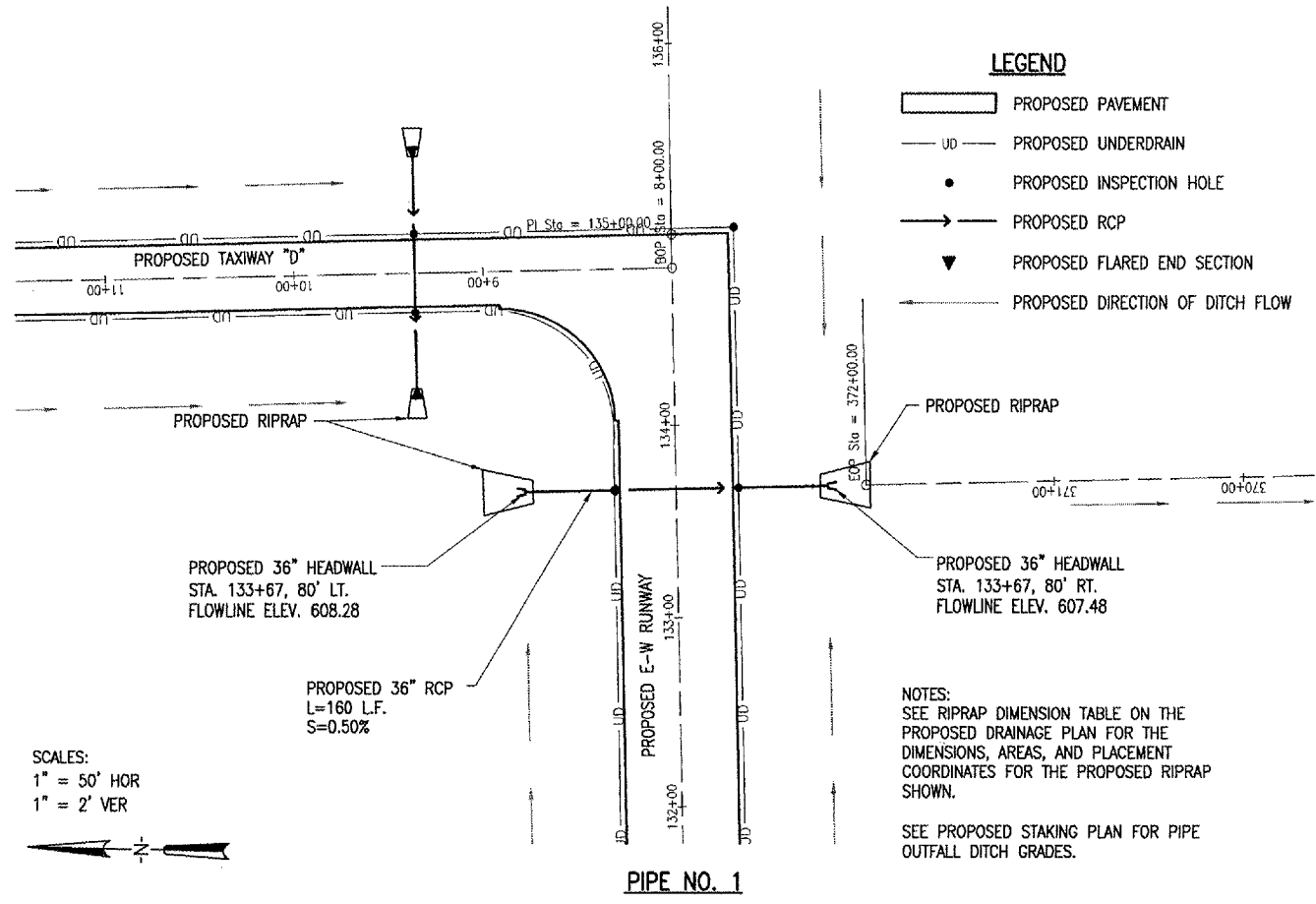
DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0100-B7
I.L. PROJ.: TAZ-3166

NO.	DATE	BY	REVIEWED
02/16/05	MLB	MLB	CAH
02/16/05	MLB	MLB	CAH
xx/xx/xx			



CONSTRUCT
RUNWAY 9-27
PROPOSED DRAINAGE
NOTES AND
DETAILS



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3186 A.I.P. PROJ.: 3-17-0100-B7

ILL. Project No. 828-03RWYGD.0800. Element R-710PNP-PIPE.DWG Scale H. 1" = 50' V. 1" = 2' Date 3/8/05	LAYOUT DRAWN CAH REVIEWED CAH	RAW 3/8/05 BAK 3/8/05 CAH 3/28/05
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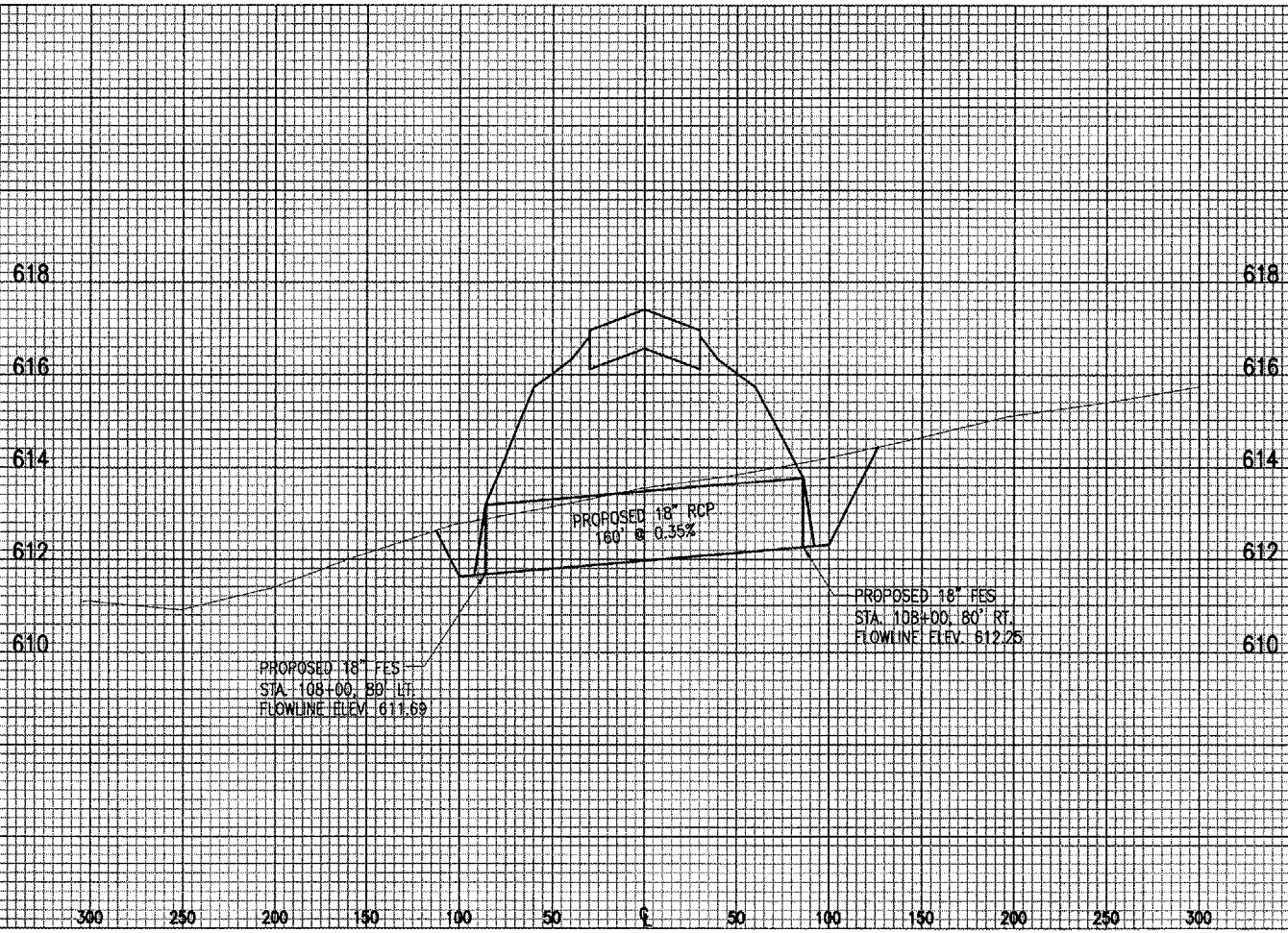
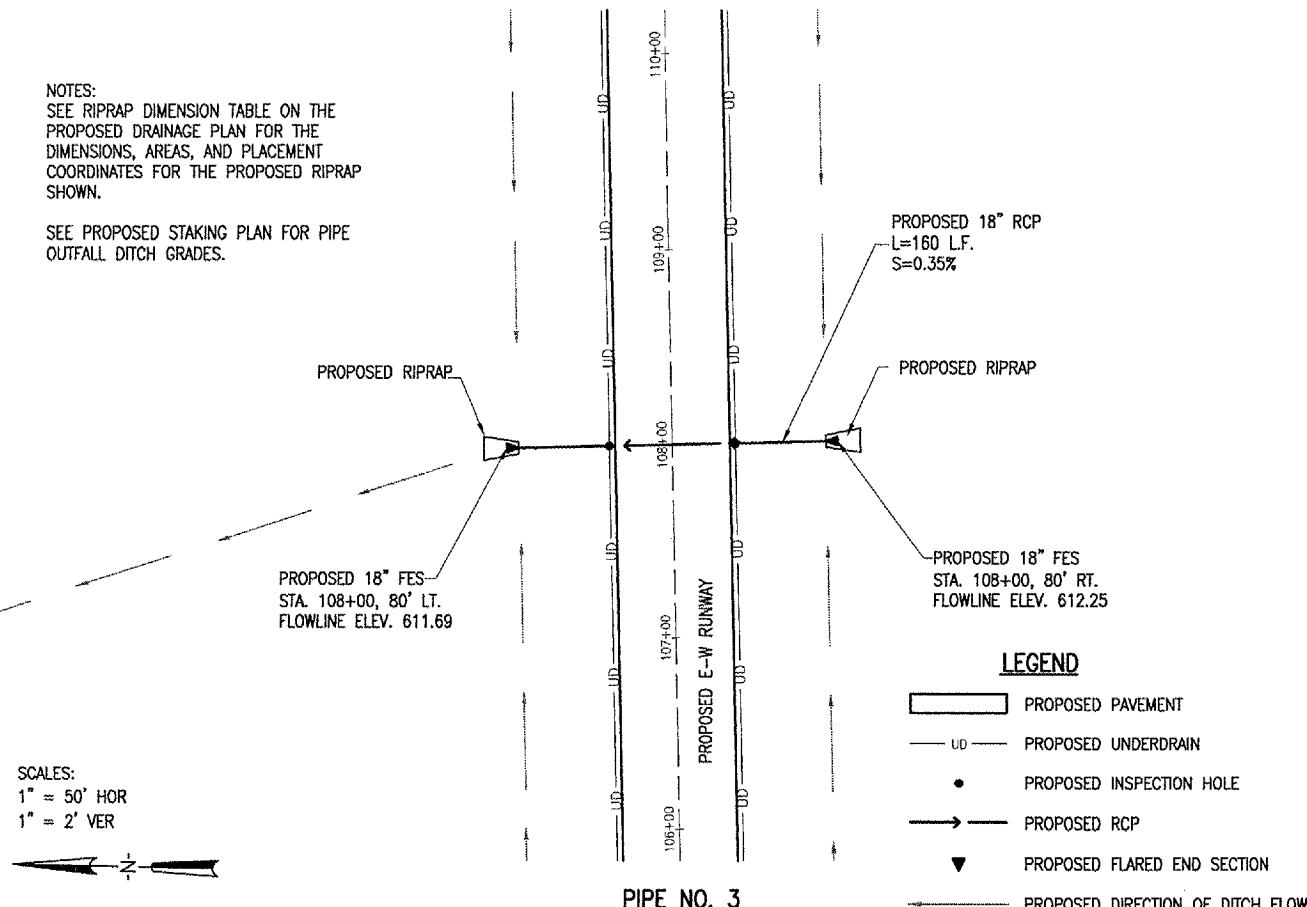
CONSTRUCT
RUNWAY 9-27

PROPOSED
DRAINAGE PIPE NO. 1 & 2
PLAN & PROFILE

MAY 04, 2005 2:55 PM RAW
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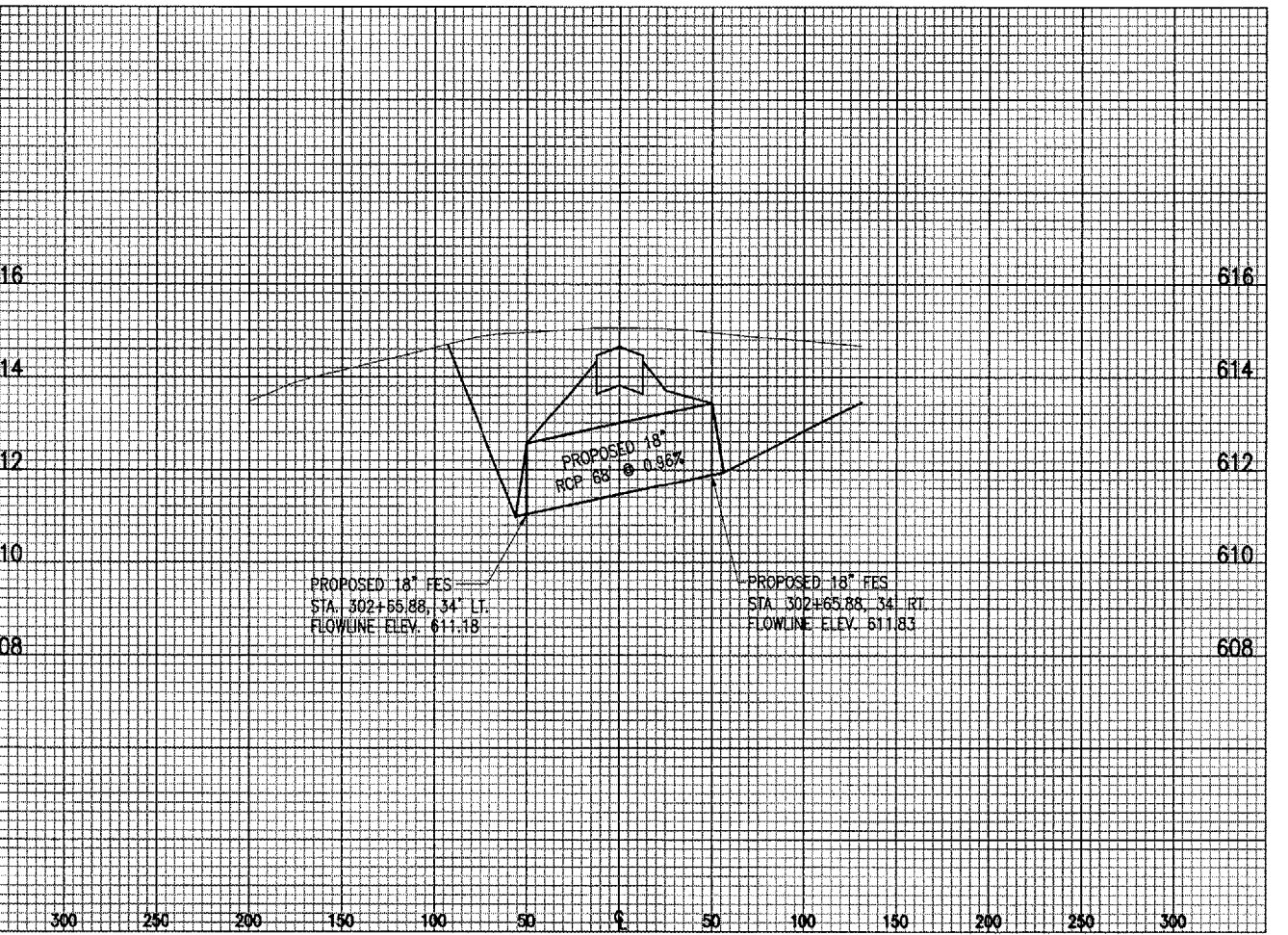
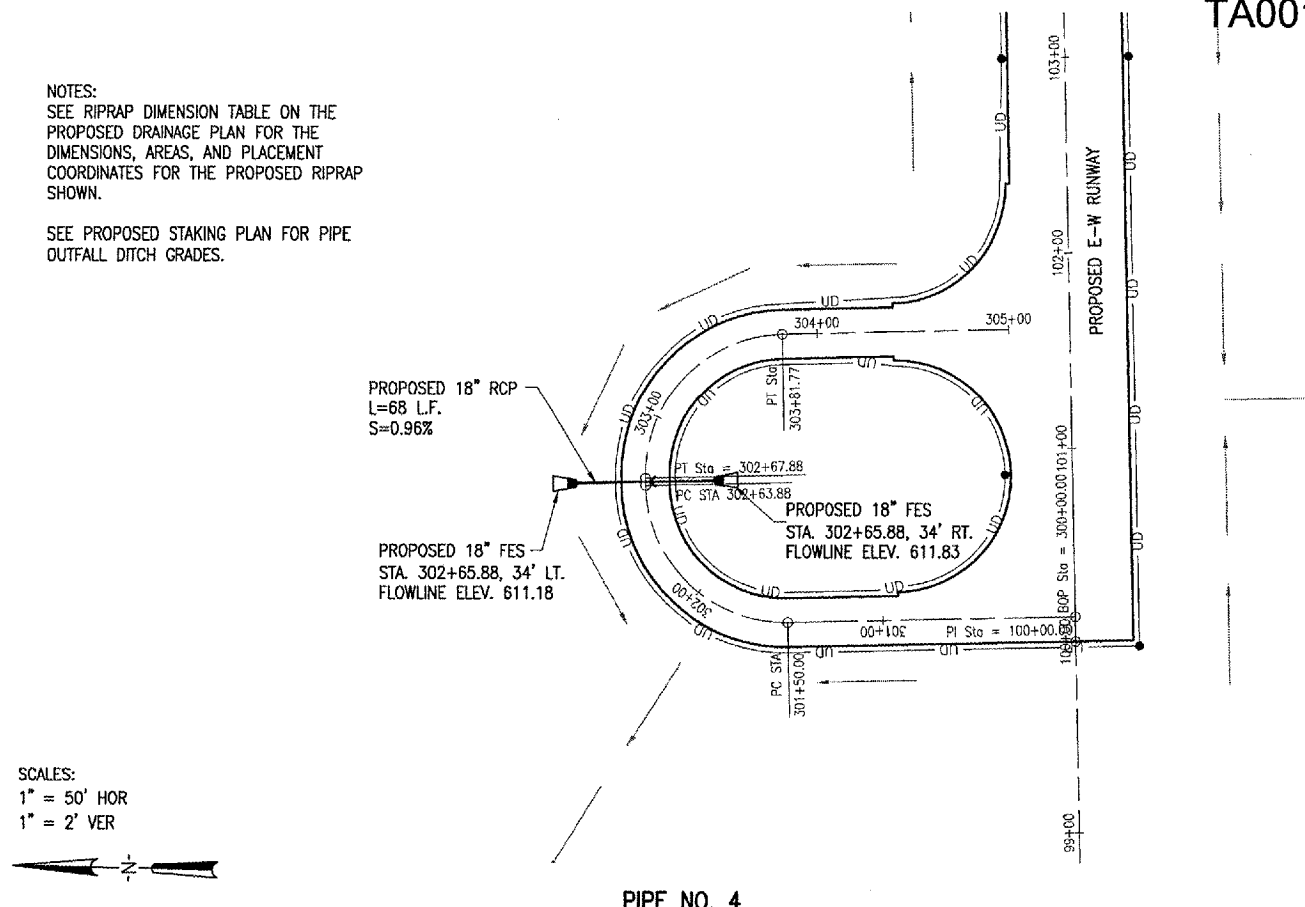
NOTES:
SEE RIPRAP DIMENSION TABLE ON THE PROPOSED DRAINAGE PLAN FOR THE DIMENSIONS, AREAS, AND PLACEMENT COORDINATES FOR THE PROPOSED RIPRAP SHOWN.

SEE PROPOSED STAKING PLAN FOR PIPE OUTFALL DITCH GRADES.



NOTES:
SEE RIPRAP DIMENSION TABLE ON THE PROPOSED DRAINAGE PLAN FOR THE DIMENSIONS, AREAS, AND PLACEMENT COORDINATES FOR THE PROPOSED RIPRAP SHOWN.

SEE PROPOSED STAKING PLAN FOR PIPE OUTFALL DITCH GRADES.



TA001

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

IL Project No. 828-03RWYCD 0800	RAW	3/8/05
Filename: R-710PWP-PIPE.DWG	BAK	3/8/05
Scale: H, 1" = 50' V, 1" = 2'	CAH	3/28/05
Date: 3/8/05		



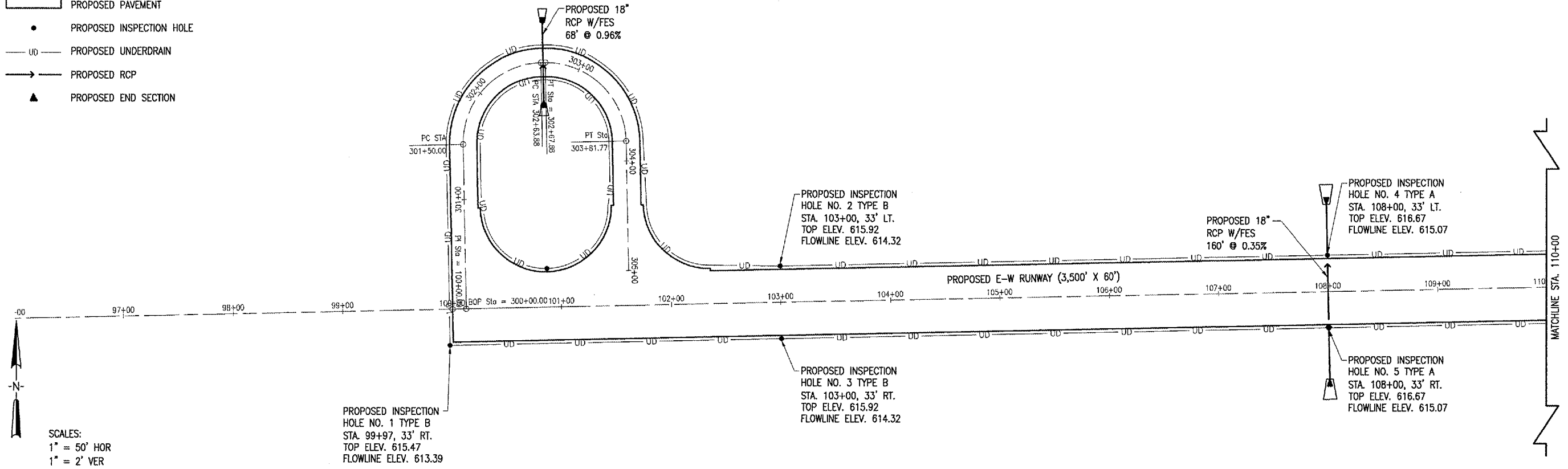
CONSTRUCT
RUNWAY 9-27

PROPOSED
DRAINAGE PIPE NO. 3 & 4
PLAN & PROFILE

MAY 04, 2005 4:19 PM RAW
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LEGEND

- PROPOSED PAVEMENT
- PROPOSED INSPECTION HOLE
- PROPOSED UNDERDRAIN
- PROPOSED RCP
- PROPOSED END SECTION



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

PROPOSED INSPECTION HOLE NO. 1 TYPE B
 STA. 99+97, 33' RT.
 TOP ELEV. 615.47
 FLOWLINE ELEV. 613.39

PROPOSED INSPECTION HOLE NO. 2 TYPE B
 STA. 103+00, 33' LT.
 TOP ELEV. 615.92
 FLOWLINE ELEV. 614.32

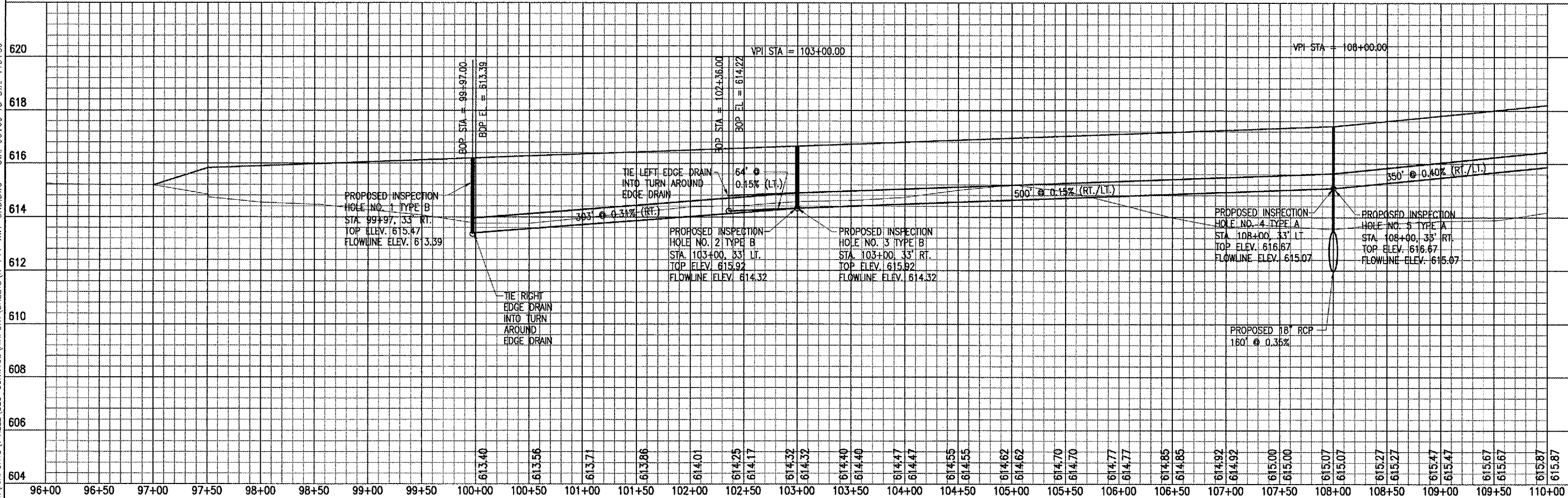
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 STA. 103+00, 33' RT.
 TOP ELEV. 615.92
 FLOWLINE ELEV. 614.32

PROPOSED 18" RCP W/FES
 160' @ 0.35%

PROPOSED INSPECTION HOLE NO. 4 TYPE A
 STA. 108+00, 33' LT.
 TOP ELEV. 616.67
 FLOWLINE ELEV. 615.07

PROPOSED INSPECTION HOLE NO. 5 TYPE A
 STA. 108+00, 33' RT.
 TOP ELEV. 616.67
 FLOWLINE ELEV. 615.07

MAY 04, 2005 4:19 PM RAW I:\AIRPORTS\TAYLORVILLE\B2B-03RWYGD\AIRPORT\SHEETS\R-711-RWY-UND.DWG - STA. 96+00 TO STA. 110+00



PROPOSED INSPECTION HOLE NO. 1 TYPE B
 STA. 99+97, 33' RT.
 TOP ELEV. 615.47
 FLOWLINE ELEV. 613.39

PROPOSED INSPECTION HOLE NO. 2 TYPE B
 STA. 103+00, 33' LT.
 TOP ELEV. 615.92
 FLOWLINE ELEV. 614.32

PROPOSED INSPECTION HOLE NO. 3 TYPE B
 STA. 103+00, 33' RT.
 TOP ELEV. 615.92
 FLOWLINE ELEV. 614.32

PROPOSED INSPECTION HOLE NO. 4 TYPE A
 STA. 108+00, 33' LT.
 TOP ELEV. 616.67
 FLOWLINE ELEV. 615.07

PROPOSED INSPECTION HOLE NO. 5 TYPE A
 STA. 108+00, 33' RT.
 TOP ELEV. 616.67
 FLOWLINE ELEV. 615.07

PROPOSED 18" RCP
 160' @ 0.35%

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS

FILE	DATE	BY	CHK	REV
R-711-RWY-UND.DWG	03/14/05	BAK	CAH	xx/xx/xx

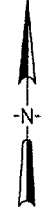
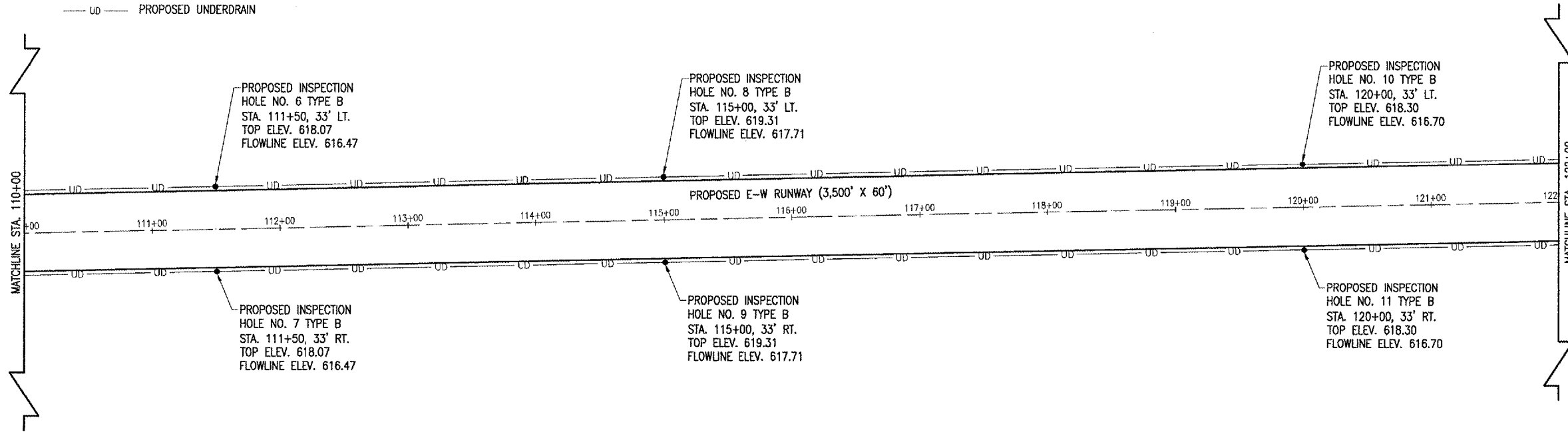


CONSTRUCT RUNWAY 9-27
 PROPOSED RUNWAY UNDERDRAIN PLAN & PROFILE
 STA. 96+00 TO STA. 110+00

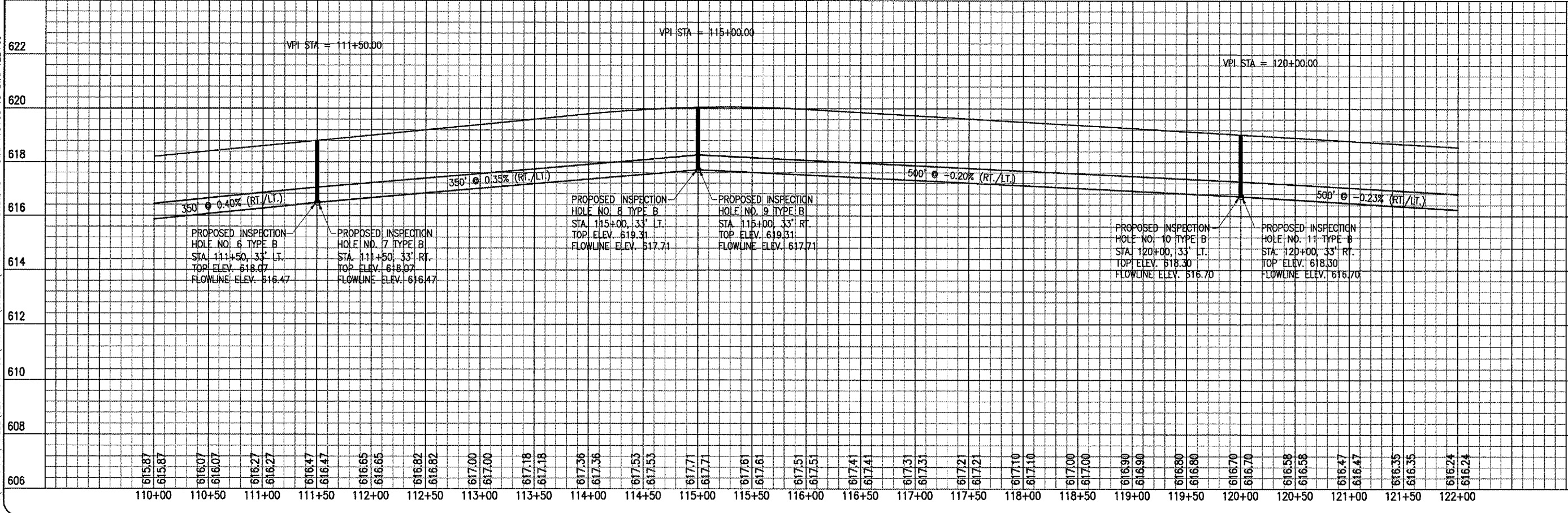
TA001

LEGEND

- PROPOSED PAVEMENT
- PROPOSED INSPECTION HOLE
- UD PROPOSED UNDERDRAIN



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



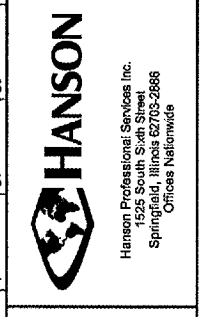
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DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS

IL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

FILE PROJECT No.	DATE	LAYOUT	RAW
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R-712-RWY-UND.DWG			
H. 1" = 50' V. 1" = 2'			
Scale			
Date			



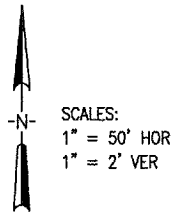
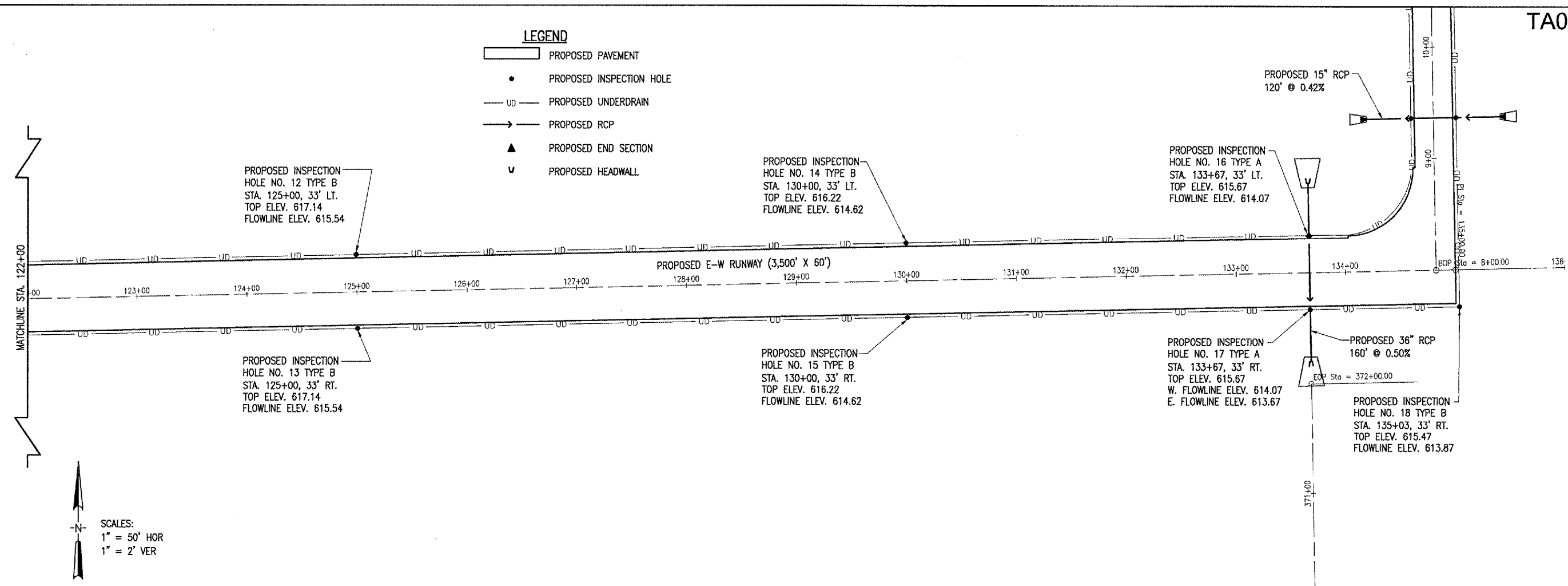
CONSTRUCT
 RUNWAY 9-27

PROPOSED RUNWAY
 UNDERDRAIN PLAN & PROFILE
 STA. 110+00 TO STA. 122+00

TA001

LEGEND

- PROPOSED PAVEMENT
- PROPOSED INSPECTION HOLE
- UD PROPOSED UNDERDRAIN
- PROPOSED RCP
- PROPOSED END SECTION
- PROPOSED HEADWALL



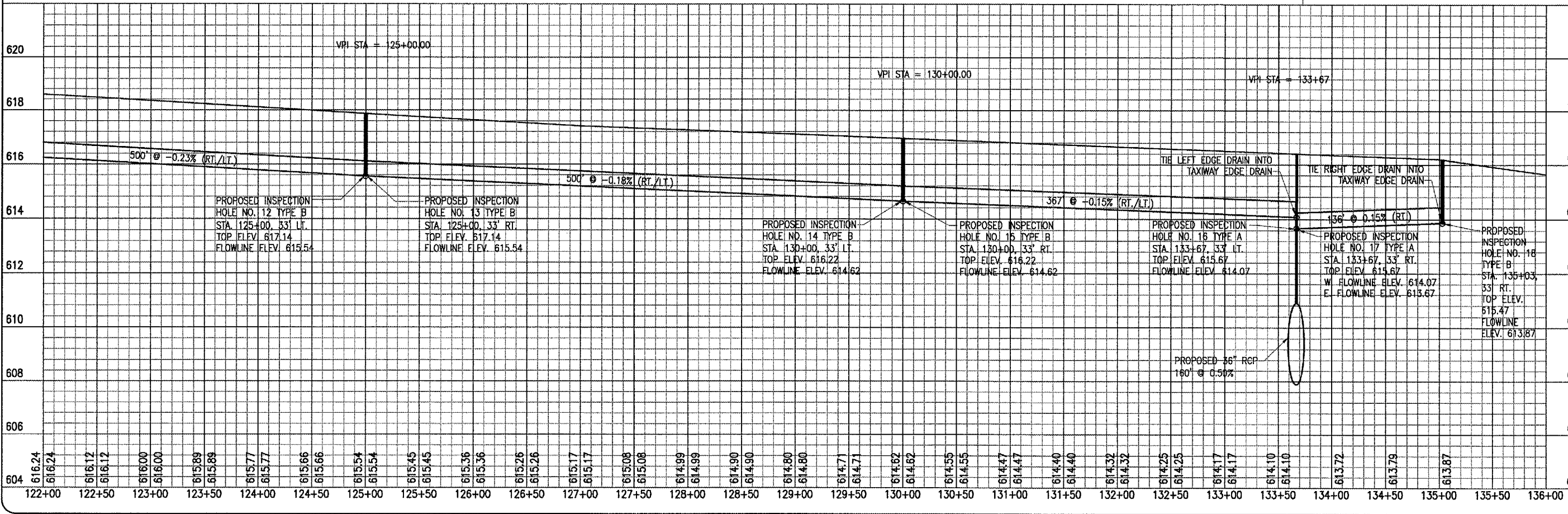
DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

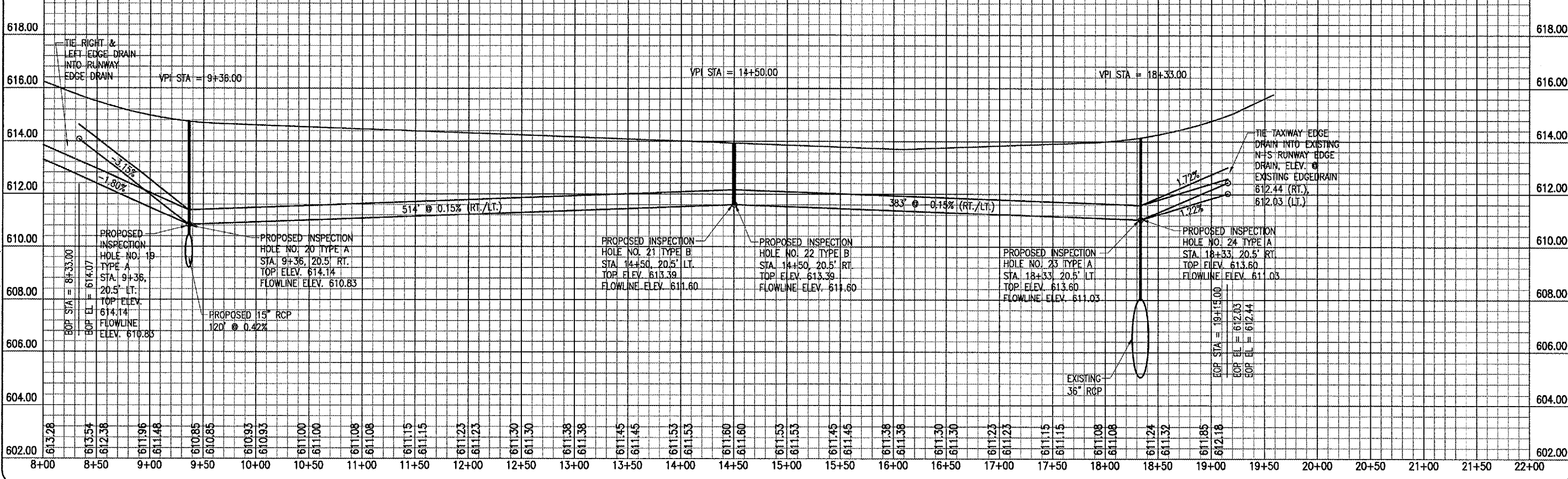
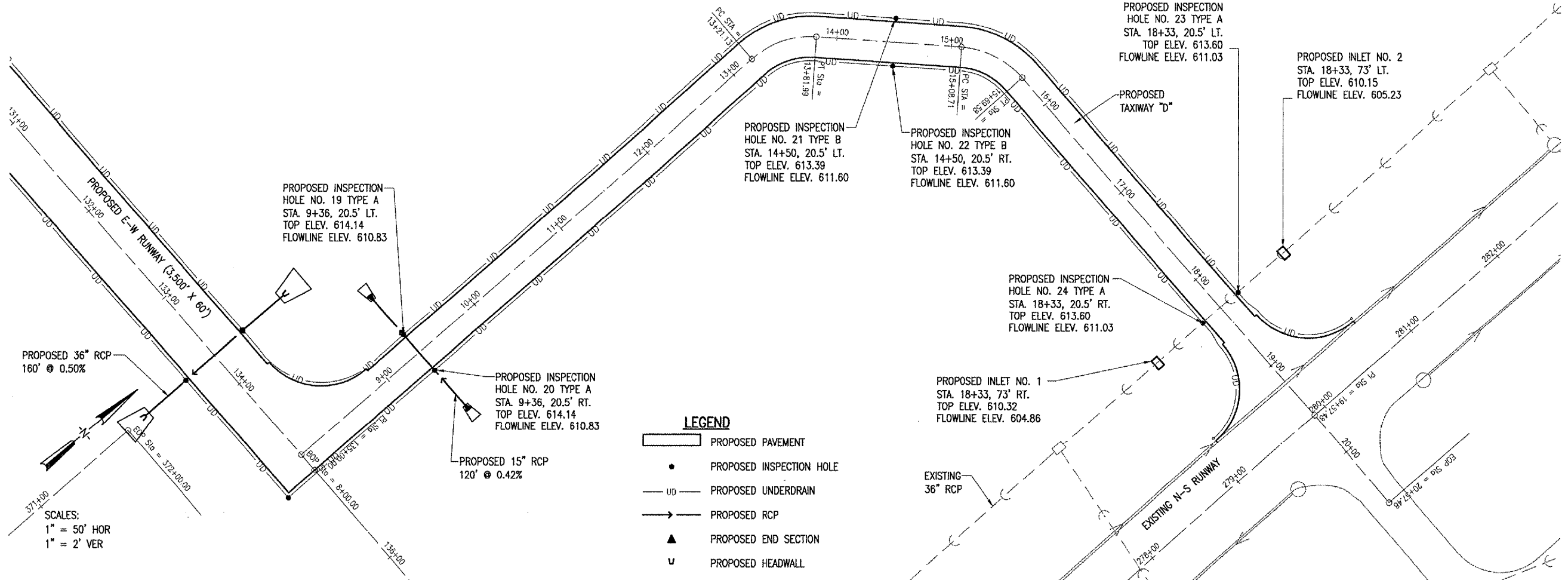
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Plan Name R-713-RWY-UND.DWG	BAK	03/14/05
Scale H, 1" = 50' V, 1" = 2'	CAH	xx/xx/xx
Date 03/14/05		

MAY 04, 2005 3:33 PM RAW I:\AIRPORTS\TAYLORVILLE\828-03RWYCD\AIRPORT\SHEETS\R-713-RWY-UND.DWG - STA. 122+00 TO STA. 135+03



CONSTRUCT
RUNWAY 9-27
 PROPOSED RUNWAY
 UNDERDRAIN PLAN & PROFILE
 STA. 122+00 TO STA. 135+03

TA001



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

LAYOUT	RAW	BAK	CAH
DRAWN	03/15/05	03/15/05	xx/xx/xx
REVIEWED	03/15/05	03/15/05	xx/xx/xx

IEL Project No. 828-03RWYCD-0800
 File Name: R-714-TXY-UND.DWG
 Scale: H, 1" = 50' V, 1" = 2'
 Date: 03/15/05



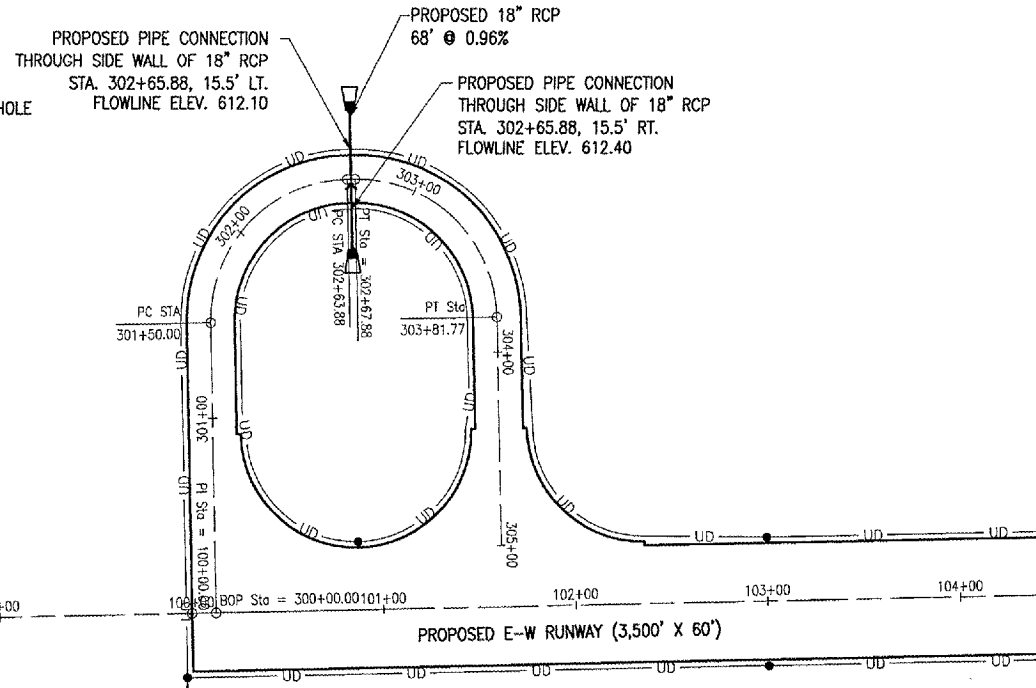
CONSTRUCT
RUNWAY 9-27

PROPOSED TAXIWAY
UNDERDRAIN PLAN & PROFILE
STA. 8+30.00 TO STA. 19+20.50

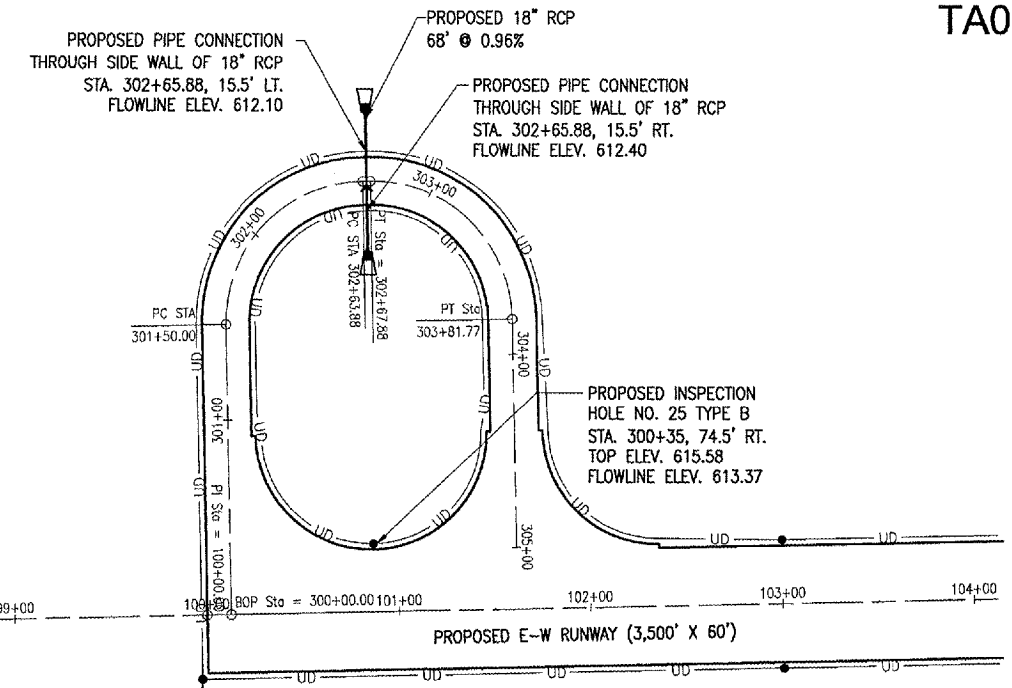
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LEGEND

- ▭ PROPOSED PAVEMENT
- PROPOSED INSPECTION HOLE
- UD — PROPOSED UNDERDRAIN
- PROPOSED RCP
- ▲ PROPOSED END SECTION

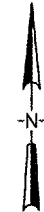


LEFT SIDE



RIGHT SIDE

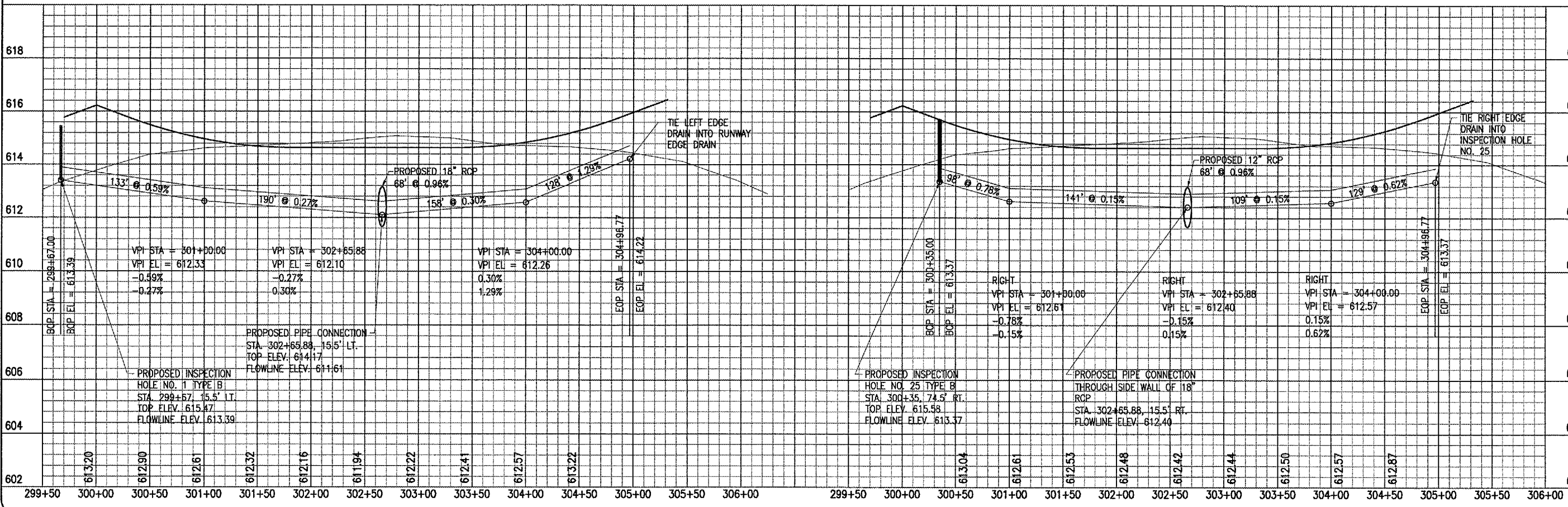
SCALES:
1" = 50' HOR
1" = 2' VER



PROPOSED INSPECTION HOLE NO. 1 TYPE B
STA. 299+67, 15.5' LT.
TOP ELEV. 615.47
FLOWLINE ELEV. 613.39

PROPOSED INSPECTION HOLE NO. 1 TYPE B
STA. 299+67, 15.5' LT.
TOP ELEV. 615.47
FLOWLINE ELEV. 613.39

MAY 05, 2005 2:25 PM RAW I:\AIRPORTS\TYVILLE\828-03RWYGD\AIRPORT\SHEETS\R-715-TRN-UND-REV.DWG - STA. 300+30 TO STA. 305+00



TA001

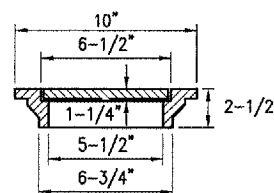
DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0100-B7
IL PROJ.: TAZ-3166

LAYOUT	RAW	BAK	CAH
	03/16/05	03/16/05	xx/xx/xx

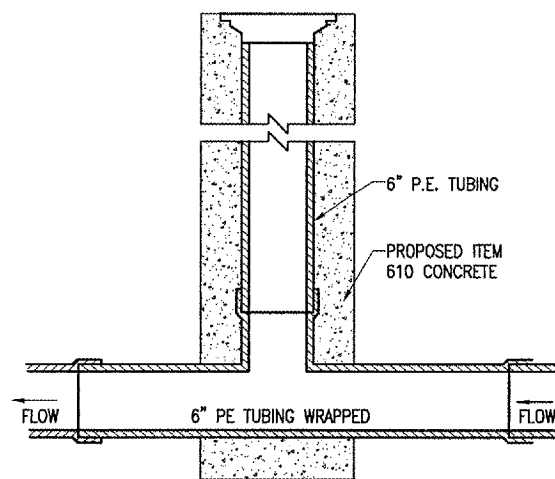


CONSTRUCT
RUNWAY 9-27
PROPOSED TURN AROUND
UNDERDRAIN PLAN & PROFILE
STA. 300+30 TO STA. 305+00



CAST IRON FRAME AND COVER

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



INSPECTION HOLE-TYPE B

705-UNDERDRAIN NOTES:

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

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

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

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

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

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

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

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

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

THE TRENCH SHALL BE BACKFILLED WITH SELECT MATERIAL, MEETING THE APPROVAL OF THE ENGINEER, PLACED IN 8 IN. LAYERS, LOOSE MEASUREMENT, AND COMPACTED TO THE ENGINEER'S SATISFACTION. THE PIPE UNDER PROPOSED PAVEMENT, PLUS 10 FT ON EITHER SIDE, WILL BE BACKFILLED WITH POROUS BACKFILL TO THE ORIGINAL GROUND ELEVATIONS OR TO THE SUBGRADE ELEVATION IF THE FILL HAS BEEN CONSTRUCTED PRIOR TO THE INSTALLATION."

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

"THE EDGE DRAIN TRENCH WILL BE BACKFILLED WITH POROUS BACKFILL NO. 1 IN ACCORDANCE WITH THE DETAIL ON THE CONSTRUCTION PLANS. THE POROUS BACKFILL WILL BE COMPACTED IN ACCORDANCE WITH THE SPECIFICATION SET FORTH FOR GRANULAR MATERIAL BACKFILL." THE QUANTITY OF POROUS BACKFILL WILL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF ITEM AR705526 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE PROPOSED UNDERDRAIN PIPE WILL BE PAID FOR UNDER ITEM:
AR705526 6" PERFORATED UNDERDRAIN W/SOCK 10,091 L.F.

INSPECTION HOLE NOTES

DIAMETER OF PIPE AS SPECIFIED.

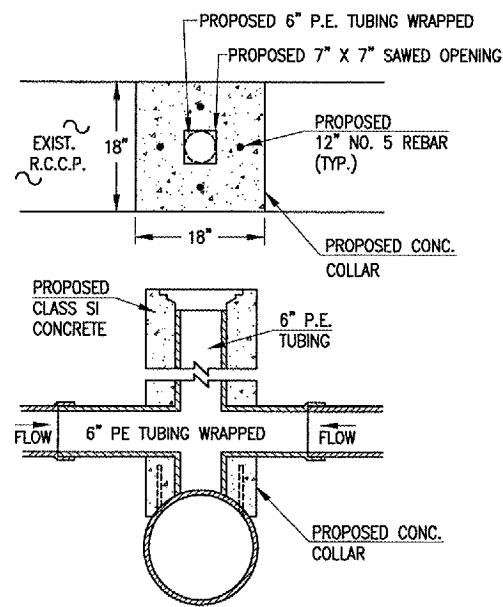
TOP OF INSPECTION HOLES SHALL BE 2" ABOVE FINISH GROUND LINE AT LOCATION SHOWN ON PLANS.

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

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

THE QUANTITY OF POROUS BACKFILL WILL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF AR705526 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE PROPOSED UNDERDRAIN INSPECTION HOLES WILL BE PAID FOR UNDER ITEM AR705530 UNDERDRAIN INSPECTION HOLE 25 EACH.

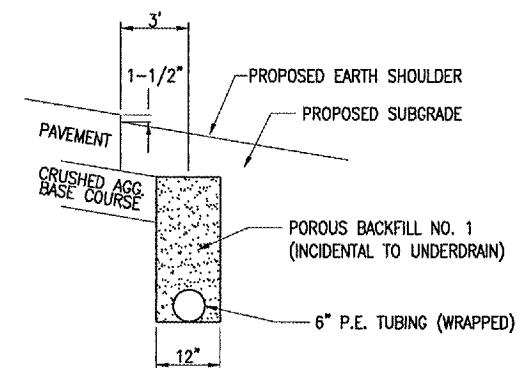


TYPE A INSPECTION HOLE DETAIL

"NOT TO SCALE"

BASE BID UNDERDRAIN QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR705526	6" PERFORATED UNDERDRAIN W/SOCK	L.F.	10,091
AR705630	UNDERDRAIN INSPECTION HOLE	EA	25



UNDERDRAIN DETAIL

"NOT TO SCALE"

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0100-B7
IL. PROJ.: TAZ-3166

DATE	SCALE	NO.	BY	DATE	BY
03/25/05	NO SCALE	R-532DRN.DWG		02/16/05	
03/25/05				03/25/05	
				03/28/05	



CONSTRUCT
RUNWAY 9-27
PROPOSED UNDERDRAIN
NOTES AND
DETAILS

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



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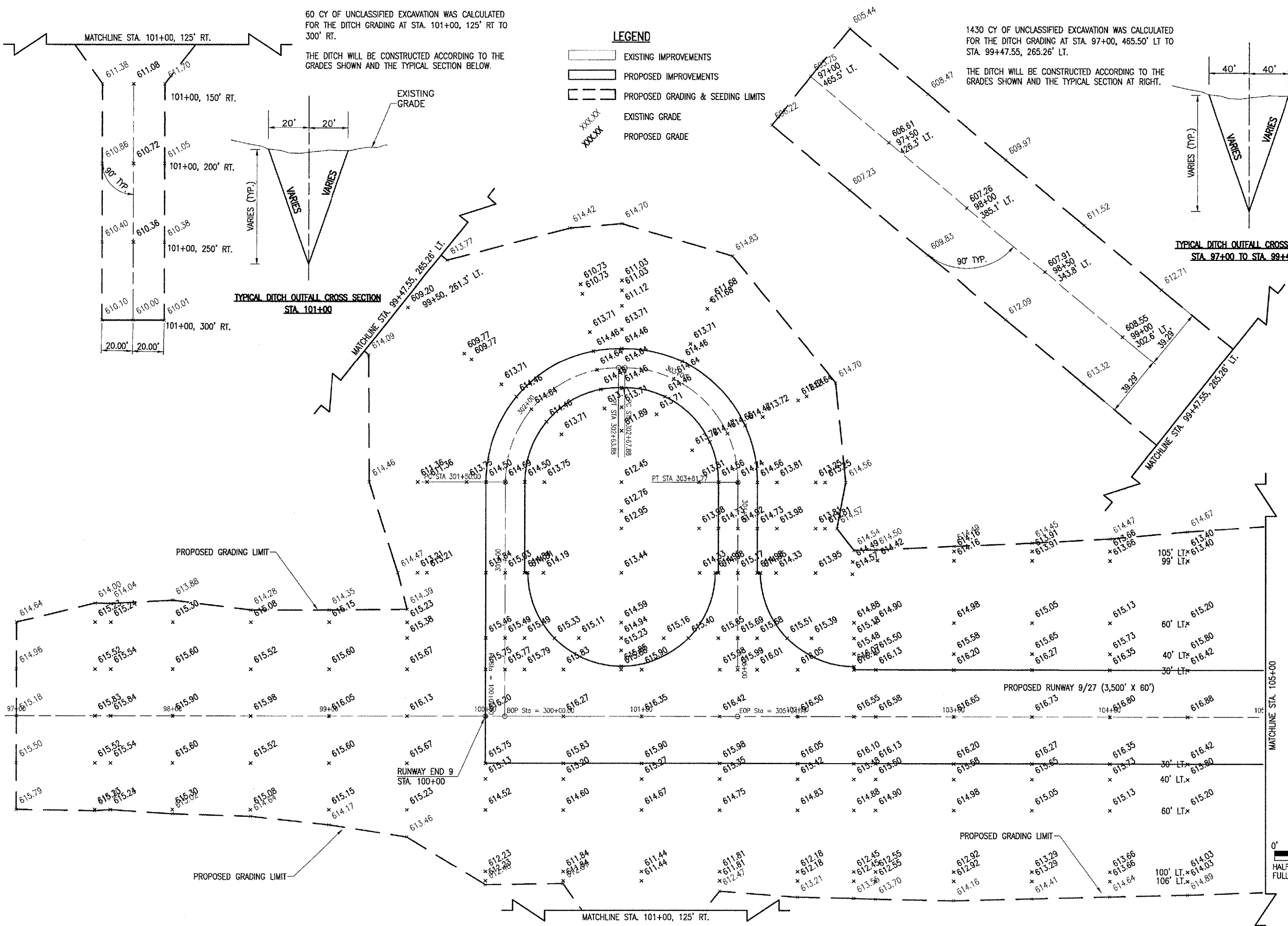
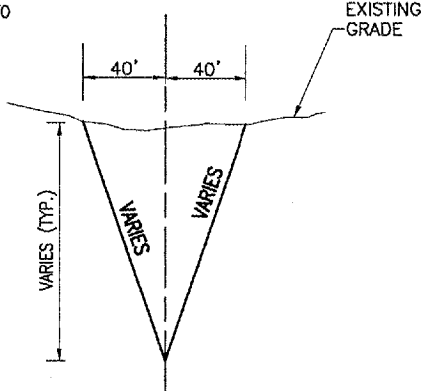
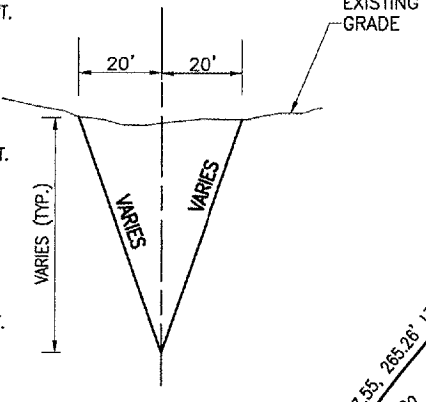
TA001

60 CY OF UNCLASSIFIED EXCAVATION WAS CALCULATED FOR THE DITCH GRADING AT STA. 101+00, 125' RT TO 300' RT.
 THE DITCH WILL BE CONSTRUCTED ACCORDING TO THE GRADES SHOWN AND THE TYPICAL SECTION BELOW.

1430 CY OF UNCLASSIFIED EXCAVATION WAS CALCULATED FOR THE DITCH GRADING AT STA. 97+00, 465.50' LT TO STA. 99+47.55, 265.26' LT.
 THE DITCH WILL BE CONSTRUCTED ACCORDING TO THE GRADES SHOWN AND THE TYPICAL SECTION AT RIGHT.

LEGEND

-  EXISTING IMPROVEMENTS
-  PROPOSED IMPROVEMENTS
-  PROPOSED GRADING & SEEDING LIMITS
-  EXISTING GRADE
-  PROPOSED GRADE



BY	REVISION	DATE

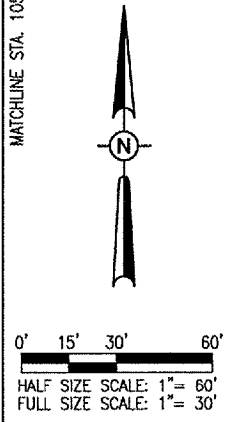
TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

FILE PROJECT NO.	DATE	LAYOUT	MLB	02/10/05
R-191STK.DWG <td>02/10/05 <td> </td> <td> </td> <td> </td> </td>	02/10/05 <td> </td> <td> </td> <td> </td>			
SCALE: 1" = 30'				



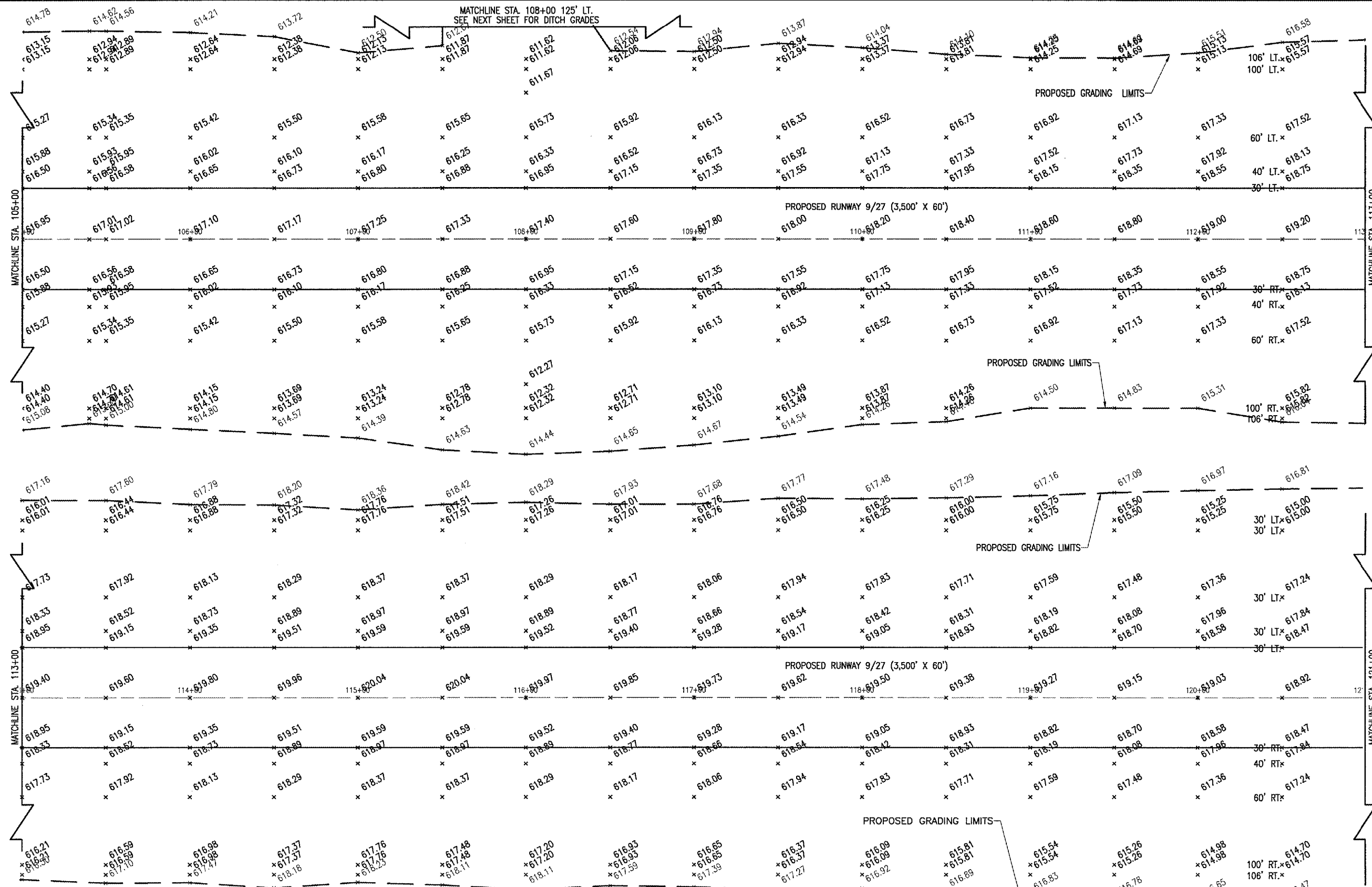
Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

CONSTRUCT RUNWAY 9-27
 PROPOSED STAKING PLAN
 STA. 97+00 TO STA. 105+00



APR 22, 2005 11:04 AM RAW
 I:\AIRPORTS\TAYLORVILLE\828-03RWYGD\AIRPORT\SHEETS\R-191STK.DWG - STA. 105+00 TO STA. 121+00

TA001



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: J-17-0100-87

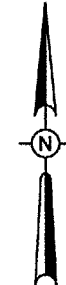
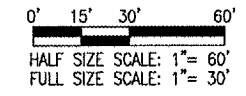
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Drawn:	R-191STK.DWG
Scale:	1" = 30'
Date:	02/10/05
LAYOUT	MLB 02/10/05
DRAWN	XXX 00/00/05
REVIEWED	CAH 03/28/05

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

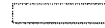




CONSTRUCT
 RUNWAY 9-27
 PROPOSED
 STAKING PLAN
 STA. 105+00 TO STA. 121+00

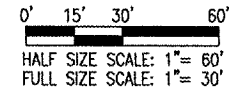
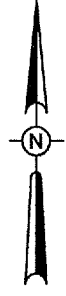
LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- PROPOSED GRADING & SEEDING LIMITS
- XXX.XX EXISTING GRADE
- XXX.XX PROPOSED GRADE



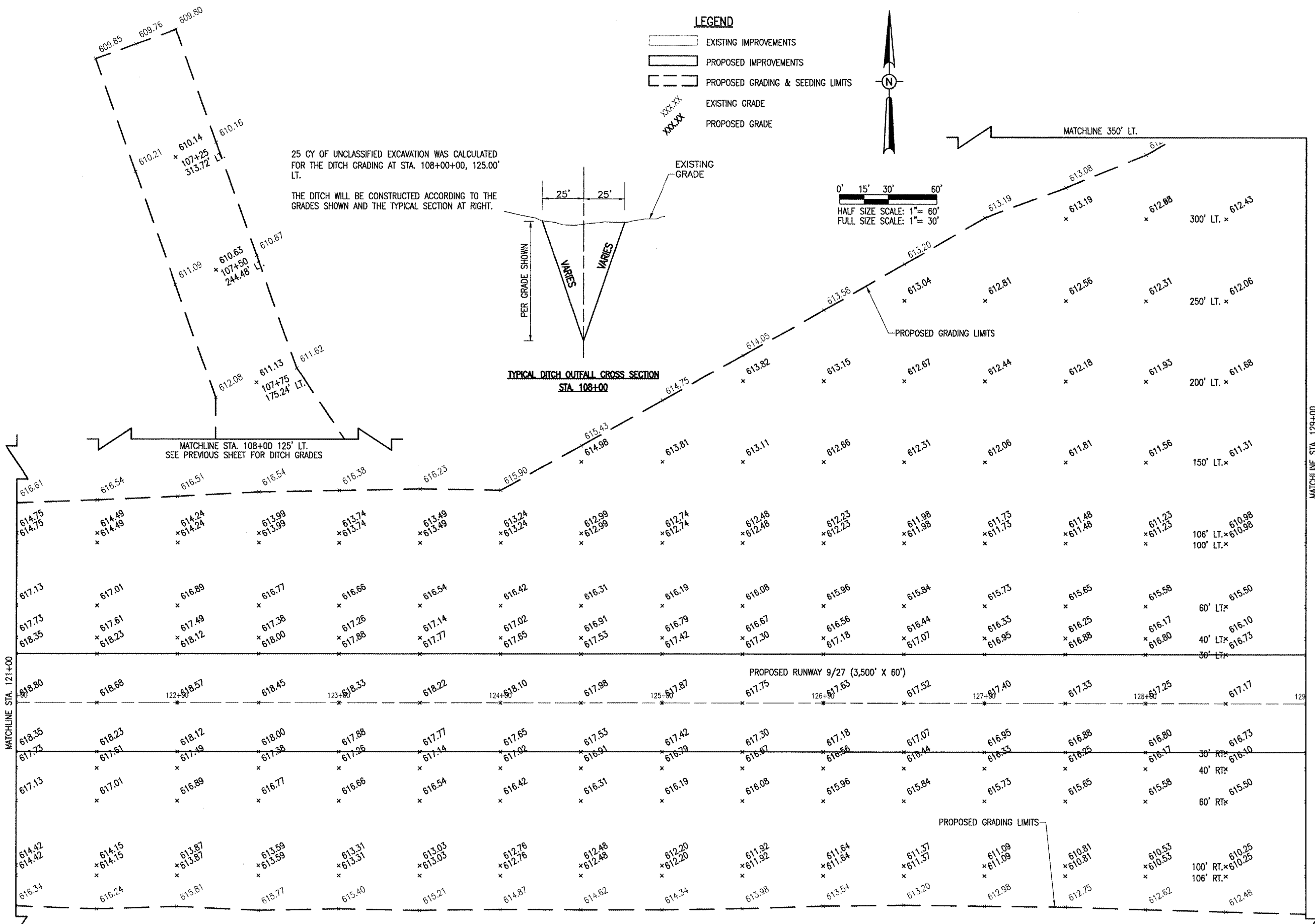
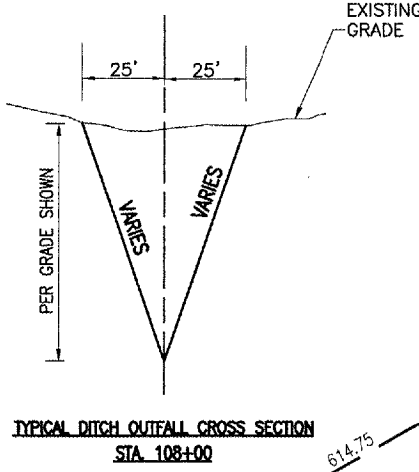
LEGEND

-  EXISTING IMPROVEMENTS
-  PROPOSED IMPROVEMENTS
-  PROPOSED GRADING & SEEDING LIMITS
-  EXISTING GRADE
-  PROPOSED GRADE



25 CY OF UNCLASSIFIED EXCAVATION WAS CALCULATED FOR THE DITCH GRADING AT STA. 108+00+00, 125.00' LT.

THE DITCH WILL BE CONSTRUCTED ACCORDING TO THE GRADES SHOWN AND THE TYPICAL SECTION AT RIGHT.



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

FILE PROJECT NO.	DATE	SCALE	DRAWN	REVIEWED
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R-191STK.DWG	02/10/05	1" = 30'	XXX	CAH

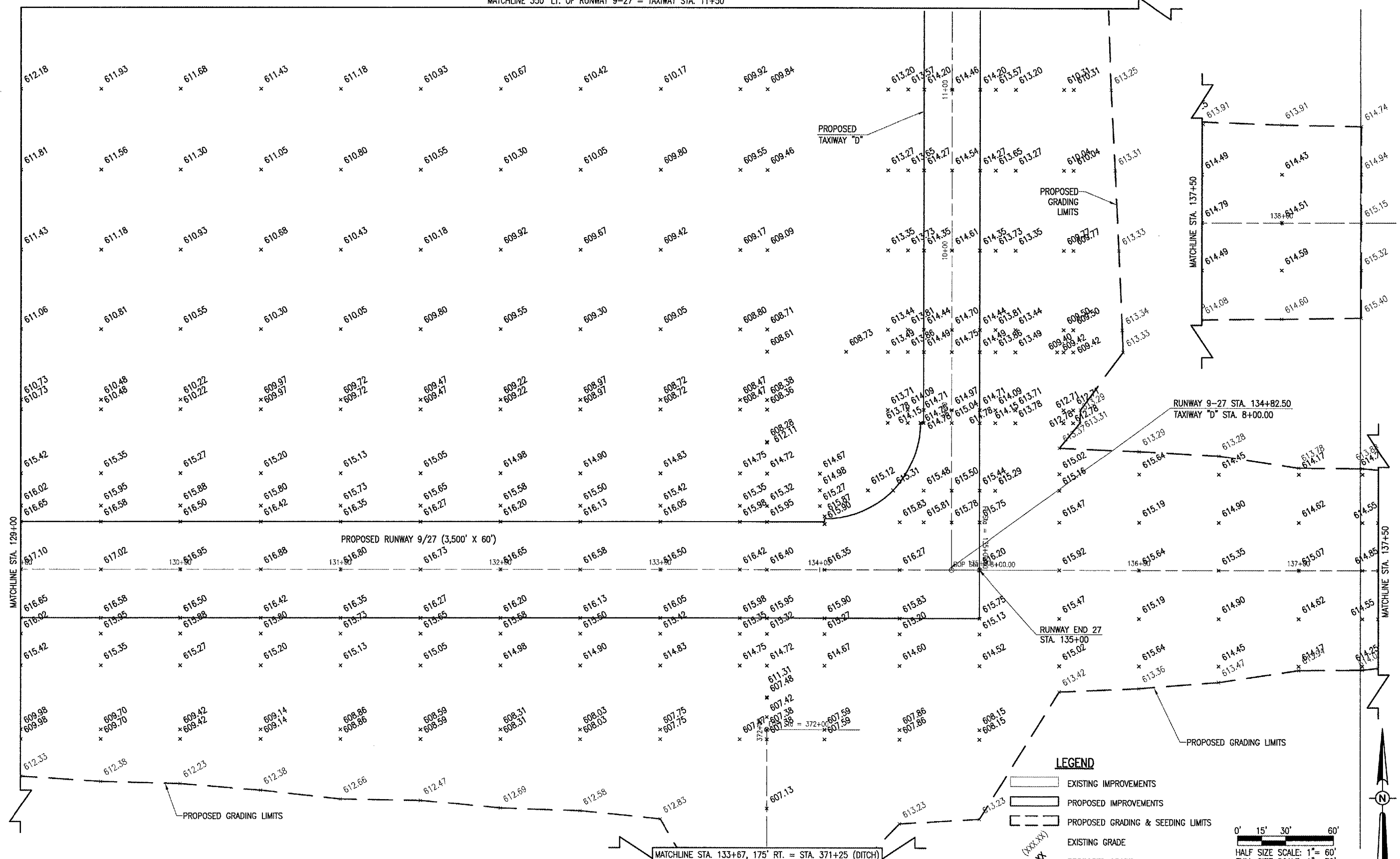


CONSTRUCT RUNWAY 9-27
PROPOSED STAKING PLAN
STA. 121+00 TO STA. 129+00

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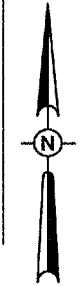
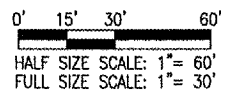
TA001

MATCHLINE 350' LT. OF RUNWAY 9-27 = TAXIWAY STA. 11+50



LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- PROPOSED GRADING & SEEDING LIMITS
- EXISTING GRADE
- PROPOSED GRADE



MAY 05, 2005 9:35 PM RAW I:\AIRPORTS\TAYLORVILLE\828-03RWYCD\AIRPORT\SHEETS\R-191STK.DWG - STA. 129+00 TO STA. 138+50

DATE	REVISION	BY	

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

H&E Project No. 828-03RWYCD 0800		DATE: 02/10/05	
Filename: R-191STK.DWG	Scale: 1" = 30'	LAYOUT: MLB	02/10/05
Drawn: [blank]	Checked: [blank]	DRAWN: XXX	00/00/05
		REVIEWED: CAH	03/28/05

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Springfield, Illinois 62703-2888
Offices Nationwide

CONSTRUCT RUNWAY 9-27
PROPOSED STAKING PLAN
STA. 129+00 TO STA. 138+50

35

35 of 127 sheets

DATE	REVISION	BY

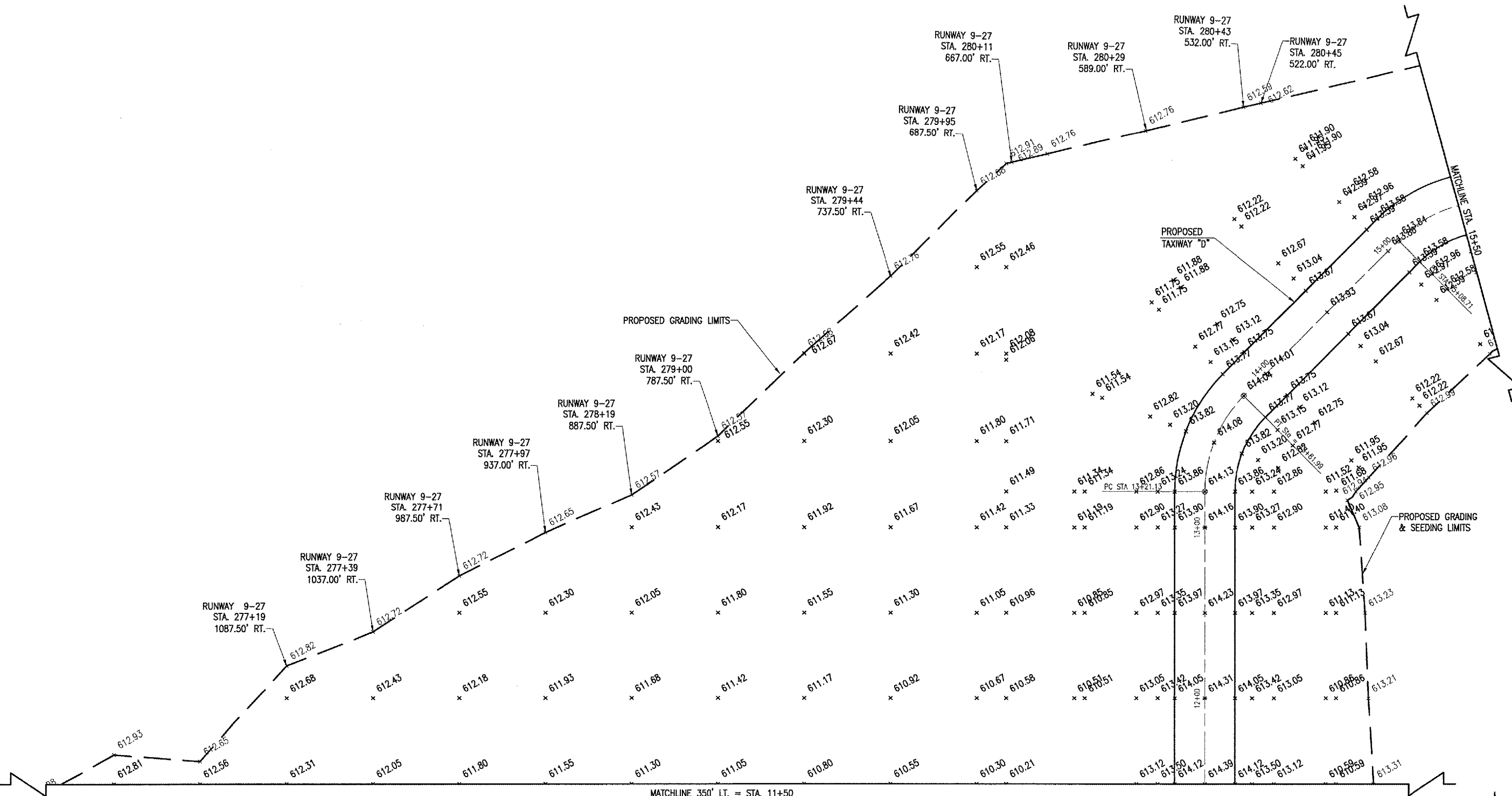
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

FILE PROJECT NO.	DATE	MLB	02/10/05
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FILE PROJECT	DATE	XXX	00/00/05
R-191STK.DWG	02/10/05	CAH	03/28/05
SCALE	DATE		
1" = 30'	02/10/05		

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CONSTRUCT
RUNWAY 9-27
PROPOSED
STAKING PLAN
STA. 11+50 TO STA. 15+50

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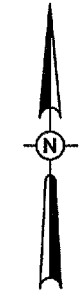


MATCHLINE 350' LT. = STA. 11+50

LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- PROPOSED GRADING & SEEDING LIMITS
- XXX.XX EXISTING GRADE
- XXX.XX PROPOSED GRADE

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



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

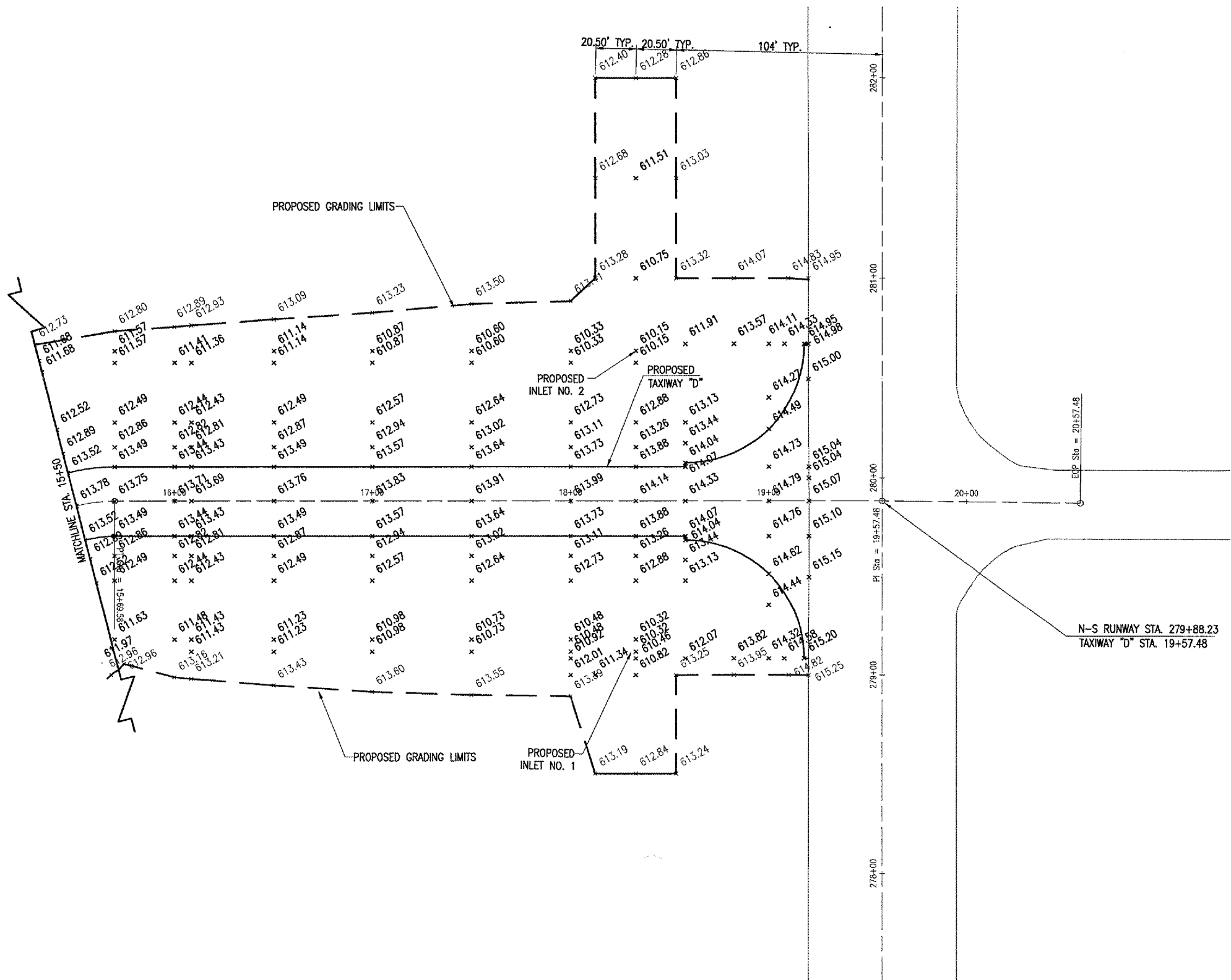
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REVISION	DATE	BY








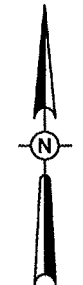
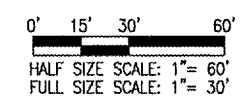
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CONSTRUCT
RUNWAY 9-27
PROPOSED
STAKING PLAN
STA. 15+50 TO STA. 19+20.50



LEGEND

-  EXISTING IMPROVEMENTS
-  PROPOSED IMPROVEMENTS
-  PROPOSED GRADING & SEEDING LIMITS
-  EXISTING GRADE
-  PROPOSED GRADE



APR 22, 2005 11:05 AM RAW I:\AIRPORTS\TAYLORVILLE\828-03RWYGD\AIRPORT\SHEET\15-R-191STK.DWG - TAXI 15+50 TO 19+57.48

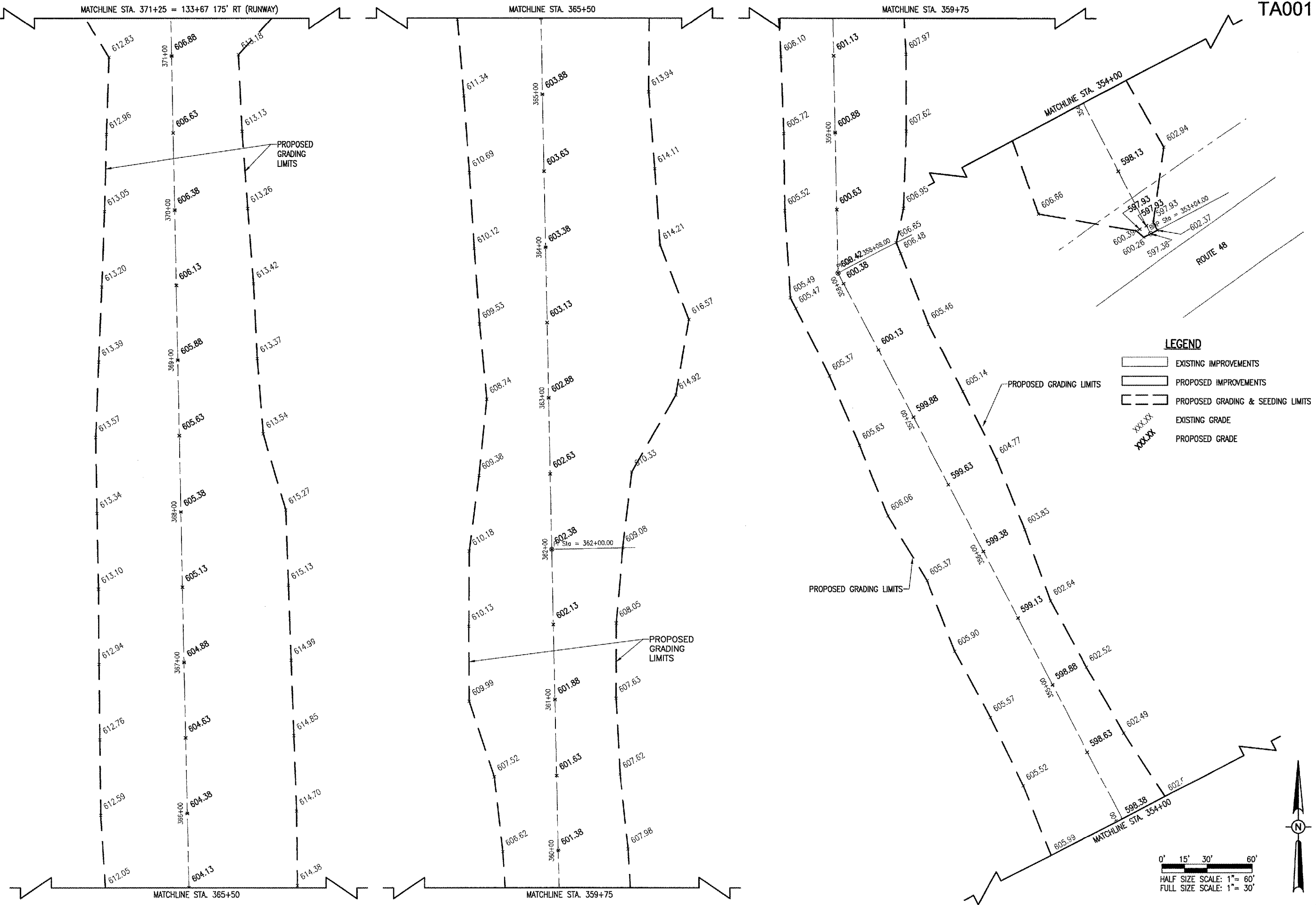
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MATCHLINE STA. 371+25 = 133+67 175' RT (RUNWAY)

MATCHLINE STA. 365+50

MATCHLINE STA. 359+75

TA001



LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- PROPOSED GRADING & SEEDING LIMITS
- EXISTING GRADE
- PROPOSED GRADE

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

HEB Project No. 828-03RWYGD.0800	
Filename	R-19\STK.DWG
Scale	1" = 30'
Date	02/05/04
LAYOUT	JMB 02/05/04
DRAWN	JMB 02/05/04
REVIEWED	CAH 03/28/05



CONSTRUCT
 RUNWAY 9-27

PROPOSED
 STAKING PLAN

STA. 353+07 TO STA. 371+25

EXISTING BERM NOTE:

THE EXISTING EARTH BERM LOCATED EAST OF THE PROPOSED CLEARING AND WEST OF THE GRADING LIMIT SHOWN IS TO REMAIN FOLLOWING ALL EARTH GRADING AND TREE CLEARING AND GRUBBING. IF THE BERM IS DESTROYED DURING THE COURSE OF COMPLETING THE GRADING IN THIS AREA IT WILL BE RECONSTRUCTED TO THE PRE-CONSTRUCTION PROPORTIONS AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CONTRACTOR WILL RECORD THE LOCATION AND SIZE OF THE BERM PRIOR TO THE START OF GRADING IN THIS AREA IN ORDER TO EASILY RECONSTRUCT THE BERM ACCURATELY SHOULD IT BE NECESSARY.



LEGEND

	EXISTING IMPROVEMENTS
	PROPOSED GRADING & SEEDING LIMITS
XXX.XX	EXISTING GRADE
XXX.XX	PROPOSED GRADE
(-X)	PROPOSED CUT
(X)	PROPOSED FILL

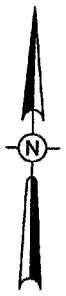
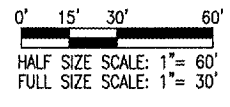
BY	
REVISION	
DATE	

**TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS**

PROJECT No. 828-03RMYGD_0800	DATE 02/18/05
DESCRIPTION R-181STK.DWG	RAW MDR
SCALE 1"=30'	CAH
DATE 03/23/05	03/23/05
LAYOUT	REVIEWED
DRAWN	

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**CONSTRUCT
RUNWAY 9-27
PROPOSED
STAKING PLAN
STA. 87+65 TO STA. 93+60**



901 SEEDING NOTES

THE PROPOSED SEEDING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 901 "SEEDING" AS STATED ON PAGE 120 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004. THE SEED MIX UTILIZED WILL BE DEPENDENT ON THE TIME OF THE YEAR THE SEED IS APPLIED. AT THE TIME OF THE CONSTRUCTION PLANS FALL SEEDING IS ANTICIPATED.

ALL DISTURBED AREAS LOCATED WITHIN THE BOUNDARY SHOWN AND LABELLED ON THE PLANS AS THE PROPOSED SEEDING LIMITS WILL BE SEEDING IN ACCORDANCE WITH THE ABOVE NOTED SPECIFICATION. ALL AREAS OUTSIDE THE DESIGNATED SEEDING LIMITS THAT ARE CURRENTLY TURF, AND ARE DISTURBED OVER THE COURSE OF THE PROJECT WILL ALSO BE SEEDING 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.

901-3.4 MAINTENANCE OF SEEDING 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:
AR901510 SEEDING _____ 45 ACRES

908 MULCHING NOTES

THE PROPOSED MULCHING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 908 "MULCHING" AS STATED ON PAGE 127 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM SHALL CONSIST OF THE FURNISHING, TRANSPORTING, AND PLACING MULCH OVER THE SEEDING AREA. DISTURBED AREAS OUTSIDE THE SEEDING LIMITS SHALL ALSO BE MULCHED AND PARTICIPATION WILL BE THE SAME AS FOR SEEDING AREAS.

908-2.1 MULCH MATERIAL: THE CONTRACTOR WILL FURNISH HYDROMULCH AS THE TYPE OF MULCH MATERIAL TO BE USED ON THIS PROJECT.

908-3.4 STRUCTURE CLEANING: AFTER THE PROPOSED MULCH HAS BEEN APPLIED, THE CONTRACTOR WILL CLEAN THE MULCH OFF ALL STRUCTURES (DRAINAGE, ELECTRICAL, LIGHTS, ETC.).

DATE MULCHING COMPLETED _____

THE PROPOSED MULCHING WILL BE PAID FOR UNDER ITEMS:
AR908510 MULCHING _____ 45 ACRES

BASE BID SEEDING QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR156530	TEMPORARY SEEDING	AC.	23
AR800578	LIME AND FERTILIZE	AC.	6
AR901510	SEEDING	AC.	45
AR908510	MULCHING	AC.	45

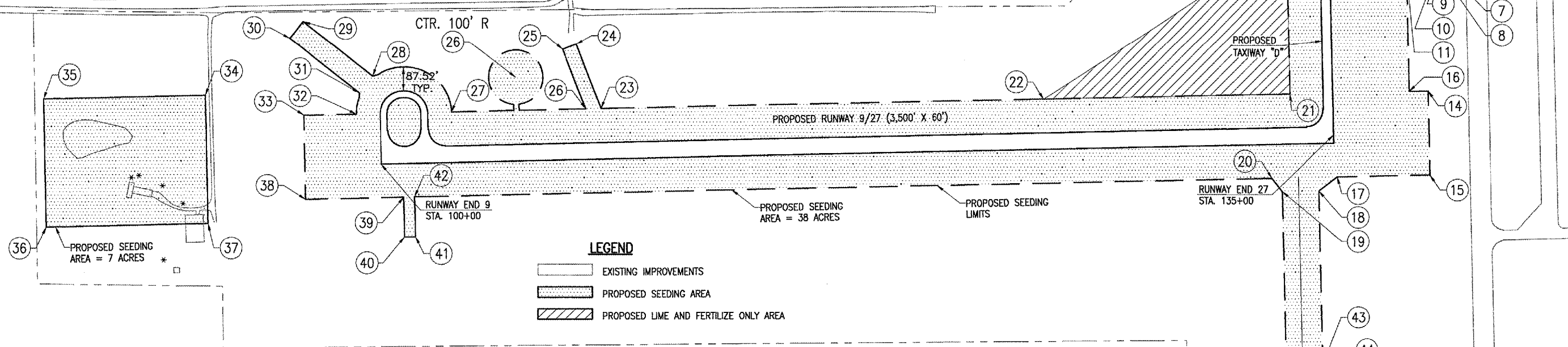
156 TEMPORARY SEEDING NOTES

TEMPORARY SEEDING WILL BE COMPLETED AS NECESSARY TO MINIMIZE THE AMOUNT OF EXPOSED ERODABLE SURFACE AREA WITHIN THE PROJECT LIMITS. SEED SHALL CONSIST OF OATS FROM MARCH 1 TO JULY 31 AND WINTER WHEAT FROM AUGUST 1 TO NOVEMBER 15. SEED BED PREPARATION SHALL NOT BE REQUIRED IF THE SOIL IS IN A LOOSE CONDITION. LIGHT DISKING SHALL BE DONE IF THE SOIL IS HARD PACKED OR CAKED. FERTILIZER NUTRIENTS WILL NOT BE REQUIRED.

UNLESS OTHERWISE NOTED THE TEMPORARY SEED WILL BE APPLIED IN ACCORDANCE TO SUPPLEMENTAL AND RECURRING SPECIAL PROVISIONS DATED JULY 1, 2004.

A QUANTITY OF 23 ACRES WAS ESTABLISHED FOR BID HOWEVER MORE OR LESS MAY BE NECESSARY OVER THE COURSE OF THE PROJECT.

THE PROPOSED TEMPORARY SEEDING WILL BE PAID FOR UNDER ITEM:
AR156530 TEMPORARY SEEDING _____ 23 ACRES



AR800578 - LIME AND FERTILIZE NOTES

ALL DISTURBED AREAS LOCATED WITHIN THE BOUNDARY SHOWN AND LABELLED ON THE DRAWING AS THE PROPOSED LIME AND FERTILIZE ONLY LIMIT WILL BE LIMED AND FERTILIZED IN ACCORDANCE WITH THESE NOTES AND THE SPECIAL PROVISION FOR AR901510 - SEEDING. ALL AREAS OUTSIDE THE DESIGNATED SEEDING LIMITS AND THE LIME AND FERTILIZE LIMITS, THAT ARE EXISTING AREAS USED FOR AGRICULTURAL PURPOSES, AND ARE DISTURBED OVER THE COURSE OF THE PROJECT WILL ALSO BE LIMED AND FERTILIZED BUT AT THE CONTRACTOR'S OWN EXPENSE.

THE PROPOSED LIME WILL BE ACCOMPLISHED BY INCORPORATING AGRICULTURAL LIME INTO THE SOIL AT A RATE OF 2 TON/ACRE.

THE PROPOSED FERTILIZING WILL BE ACCOMPLISHED BY INCORPORATING A FERTILIZER CONTAINING THE FOLLOWING INTO THE SOIL:

TOTAL NITROGEN: 18%
AVAILABLE PHOSPHORIC ACID: 24%
WATER-SOLUBLE POTASH: 6%

THE ABOVE WILL BE APPLIED AT A RATE OF 420 LBS/ACRE AND WILL BE REQUIRED TO BE INCORPORATED TO A MINIMUM DEPTH OF 3 INCHES.

THE COST OF ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE THIS TASK WILL BE CONSIDERED INCIDENTAL TO ITEM AR800578 - LIME AND FERTILIZE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DATE LIME COMPLETED _____

DATE FERTILIZER COMPLETED _____

THE PROPOSED LIME AND FERTILIZER WILL BE PAID FOR UNDER ITEMS:
AR800578 LIME AND FERTILIZE _____ 6 ACRES

SEEDING AREA LOCATIONS								
POINT	STATION	OFFSET	POINT	STATION	OFFSET	POINT	STATION	OFFSET
1	19+21 (TXY)	140' LT.	19	133+07 (RWY)	203' RT.	37	93+60 (RWY)	235' RT.
2	18+54 (TXY)	140' LT.	20	132+71 (RWY)	154' RT.	38	97+20 (RWY)	153' RT.
3	18+54 (TXY)	212' LT.	21	133+43 (RWY)	153' LT.	39	100+80 (RWY)	153' RT.
4	18+13 (TXY)	212' LT.	22	124+37 (RWY)	153' LT.	40	100+80 (RWY)	300' RT.
5	18+13 (TXY)	140' LT.	23	108+11 (RWY)	153' LT.	41	101+20 (RWY)	300' RT.
6	19+20 (TXY)	100' RT.	24	107+25 (RWY)	392' LT.	42	101+20 (RWY)	153' RT.
7	18+54 (TXY)	100' RT.	25	106+75 (RWY)	374' LT.	43	364+50 (DTCH)	75' RT.
8	18+54 (TXY)	138' RT.	26	107+55 (RWY)	153' LT.	44	364+50 (DTCH)	100' RT.
9	18+14 (TXY)	138' RT.	27	102+62 (RWY)	153' LT.	45	362+50 (DTCH)	100' RT.
10	18+14 (TXY)	100' RT.	28	99+75 (RWY)	292' LT.	46	362+50 (DTCH)	55' RT.
11	17+03 (TXY)	100' RT.	29	97+25 (RWY)	498' LT.	47	358+22 (DTCH)	60' LT.
12	14+67 (TXY)	140' LT.	30	96+75 (RWY)	437' LT.	48	357+95 (DTCH)	55' RT.
13	14+10 (TXY)	198' LT.	31	99+25 (RWY)	231' LT.	49	353+50 (DTCH)	60' LT.
14	138+52 (RWY)	153' LT.	32	99+13 (RWY)	153' LT.	50	353+04 (DTCH)	5' LT.
15	138+52 (RWY)	153' RT.	33	97+20 (RWY)	153' LT.	51	353+04 (DTCH)	5' RT.
16	137+83 (RWY)	153' LT.	34	93+60 (RWY)	235' LT.	52	353+50 (DTCH)	55' RT.
17	135+10 (RWY)	153' RT.	35	87+65 (RWY)	235' LT.	53	105+00 (RWY)	275' LT.
18	134+42 (RWY)	203' RT.	36	87+65 (RWY)	235' RT.			

MAY 05, 2005 3:15 PM RAW I:\AIRPORTS\TAYLORVILLE\828-03RWY\GDO_AIRPORT_SHEETS\R-1925TK.DWG - SEEDING LIMITS

TA001

DATE	REVISION	BY	DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

A.I.P. PROJ.: 3-17-0100-B7
IL. PROJ.: TAZ-3166

ILL. Project No. 828-03RWY\GDO_0800
 Drawing: R-1925TK.DWG
 Scale: 1" = 200'
 Date: 02/05/04

LAYOUT	BAK	02/05/04
DRAWN	BAK	02/05/04
REVIEWED	CAH	03/28/05

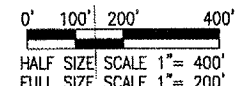
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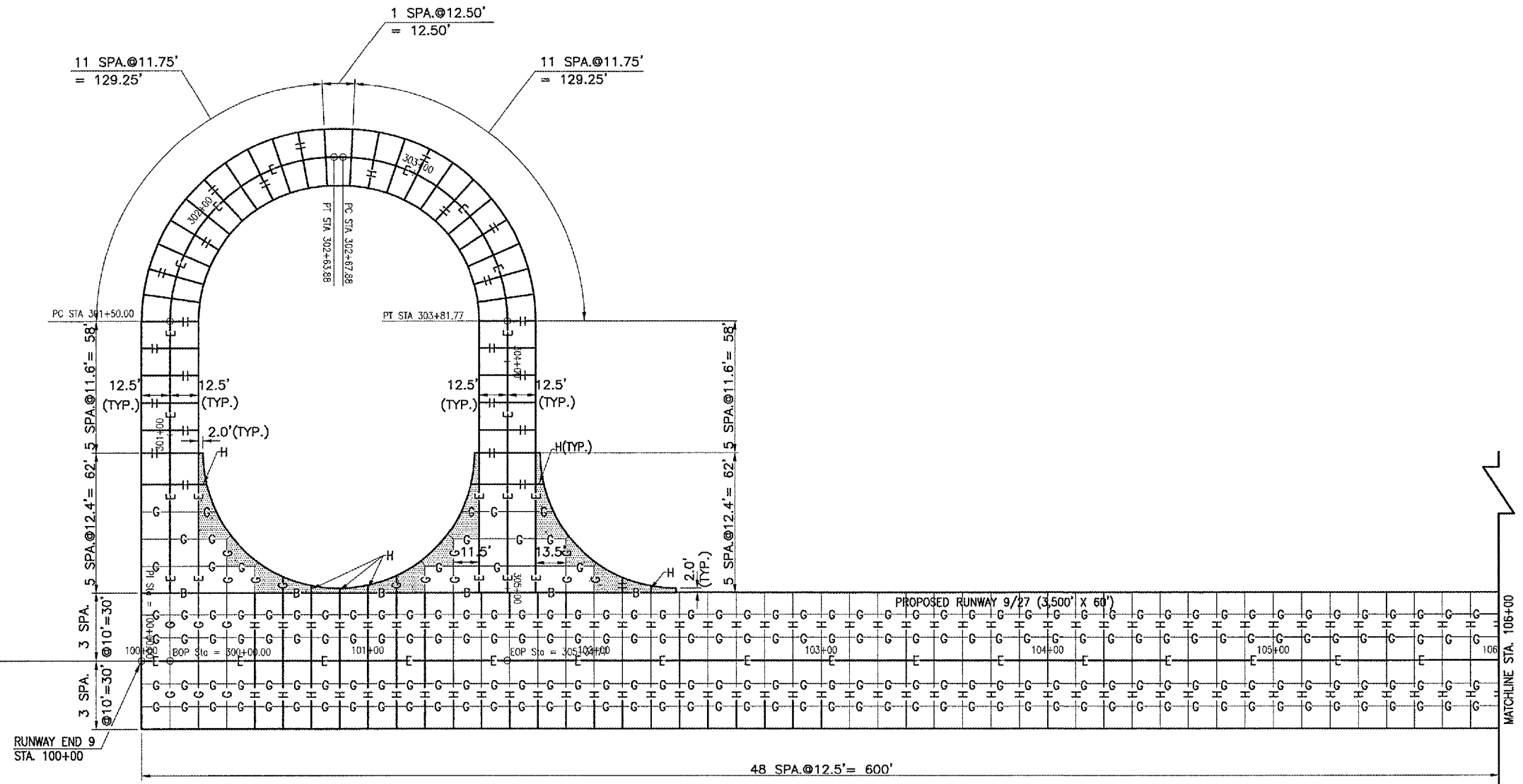
CONSTRUCT
RUNWAY 9-27
PROPOSED
SEEDING
PLAN

40

40 of 127 sheets

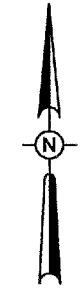
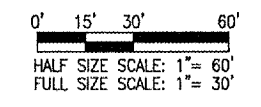


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LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- PAVEMENT REINFORCED WITH WIRE MESH 6" X 6" (W4 X W5)
- TYPE B THICKENED EDGE EXPANSION JOINT
- TYPE E HINGED CONSTRUCTION JOINT
- TYPE G HINGED CONTRACTION JOINT
- TYPE H DUMMY CONTRACTION JOINT



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS

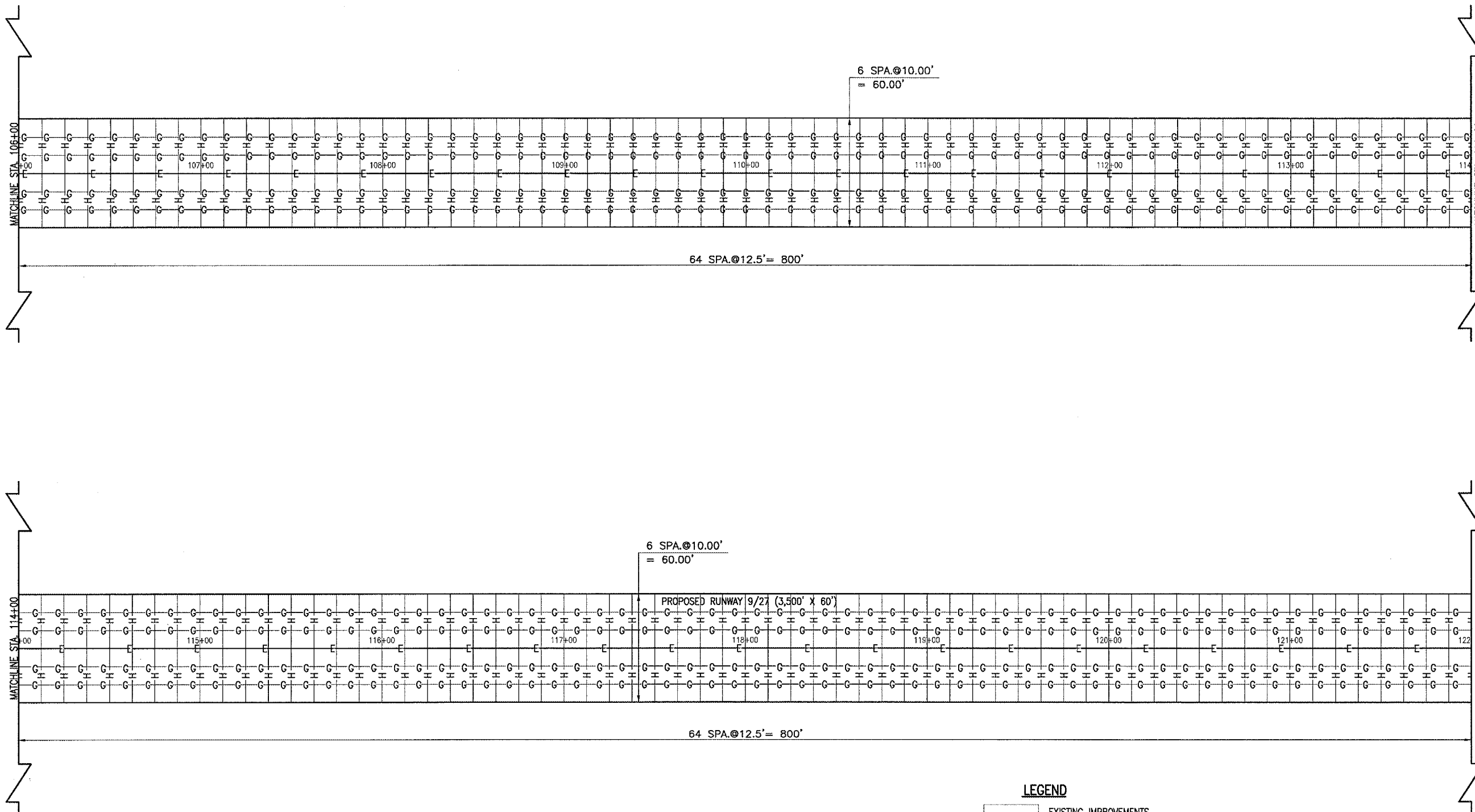
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LAYOUT	MLB 02/10/05
DRAWN	MLB 02/14/05
REVIEWED	CAH xx/xx/xx

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 Springfield, Illinois 62703-2886
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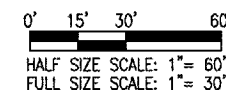
CONSTRUCT
 RUNWAY 9-27

PROPOSED
 JOINTING PLAN

STA. 100+00 TO STA. 106+00



- LEGEND**
- EXISTING IMPROVEMENTS
 - PROPOSED IMPROVEMENTS
 - PAVEMENT REINFORCED WITH WIRE MESH 6" X 6" (W4 X W5)
 - TYPE B THICKENED EDGE EXPANSION JOINT
 - TYPE E HINGED CONSTRUCTION JOINT
 - TYPE G HINGED CONTRACTION JOINT
 - TYPE H DUMMY CONTRACTION JOINT



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

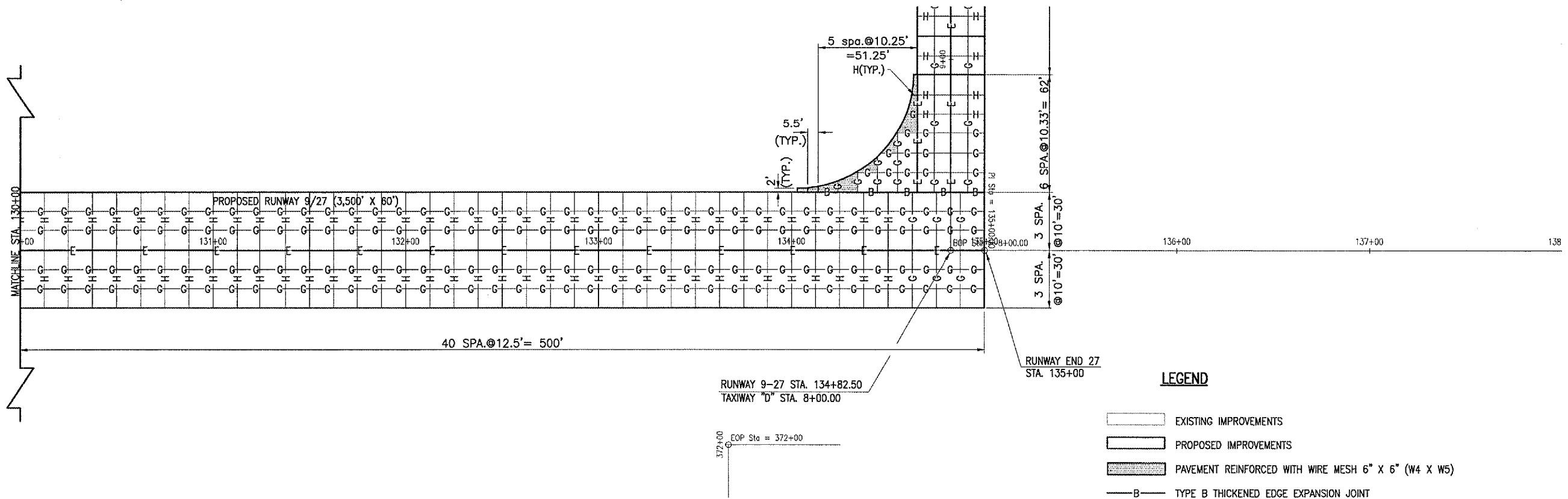
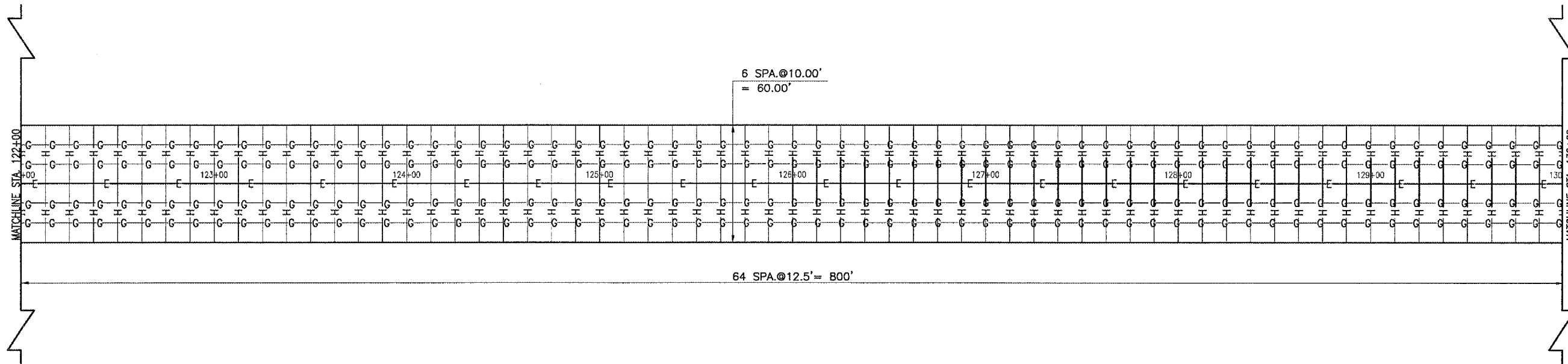
HEL Project No. 828-03RWYGD_0800	MLB	02/10/05
Filename: R-161.INT.DWG	MLB	02/15/05
Scale: 1" = 30'	CAH	xx/xx/xx
Date: 02/10/05		
LAYOUT		
DRAWN		
REVIEWED		



CONSTRUCT RUNWAY 9-27
PROPOSED JOINTING PLAN
 STA. 106+00 TO STA. 122+00

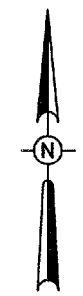
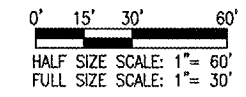
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TA001



LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- PAVEMENT REINFORCED WITH WIRE MESH 6" X 6" (W4 X W5)
- TYPE B THICKENED EDGE EXPANSION JOINT
- TYPE E HINGED CONSTRUCTION JOINT
- TYPE G HINGED CONTRACTION JOINT
- TYPE H DUMMY CONTRACTION JOINT



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

ILL. Project No. 828-03RWYGD_0800 Engineer: R-161.JNT.DWG Scale: 1" = 30' Date: 02/10/05	
LAYOUT	MLB 02/10/05
DRAWN	MLB 02/15/05
REVIEWED	CAH xx/xx/xx

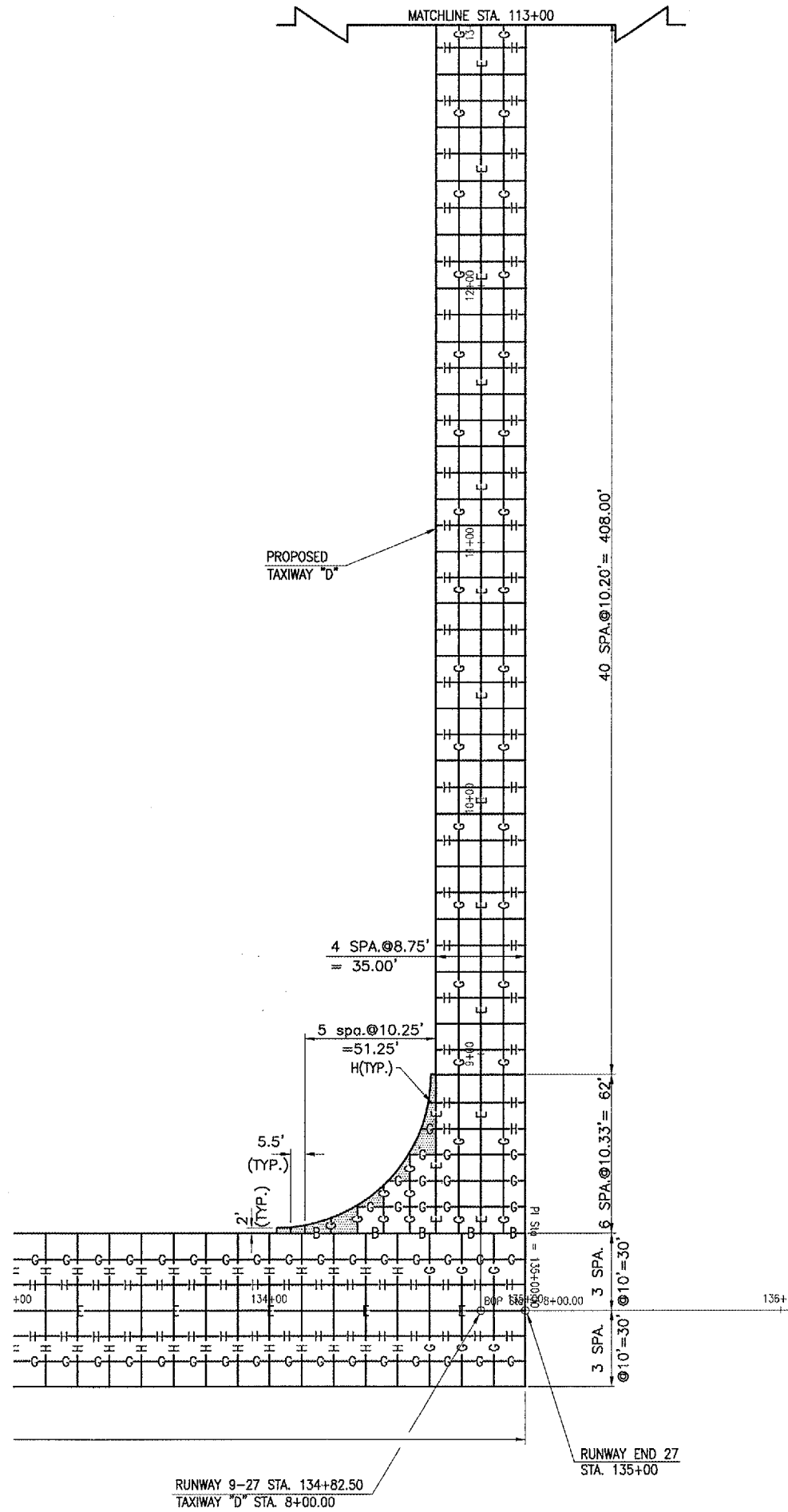
Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

CONSTRUCT
RUNWAY 9-27

PROPOSED
JOINTING PLAN

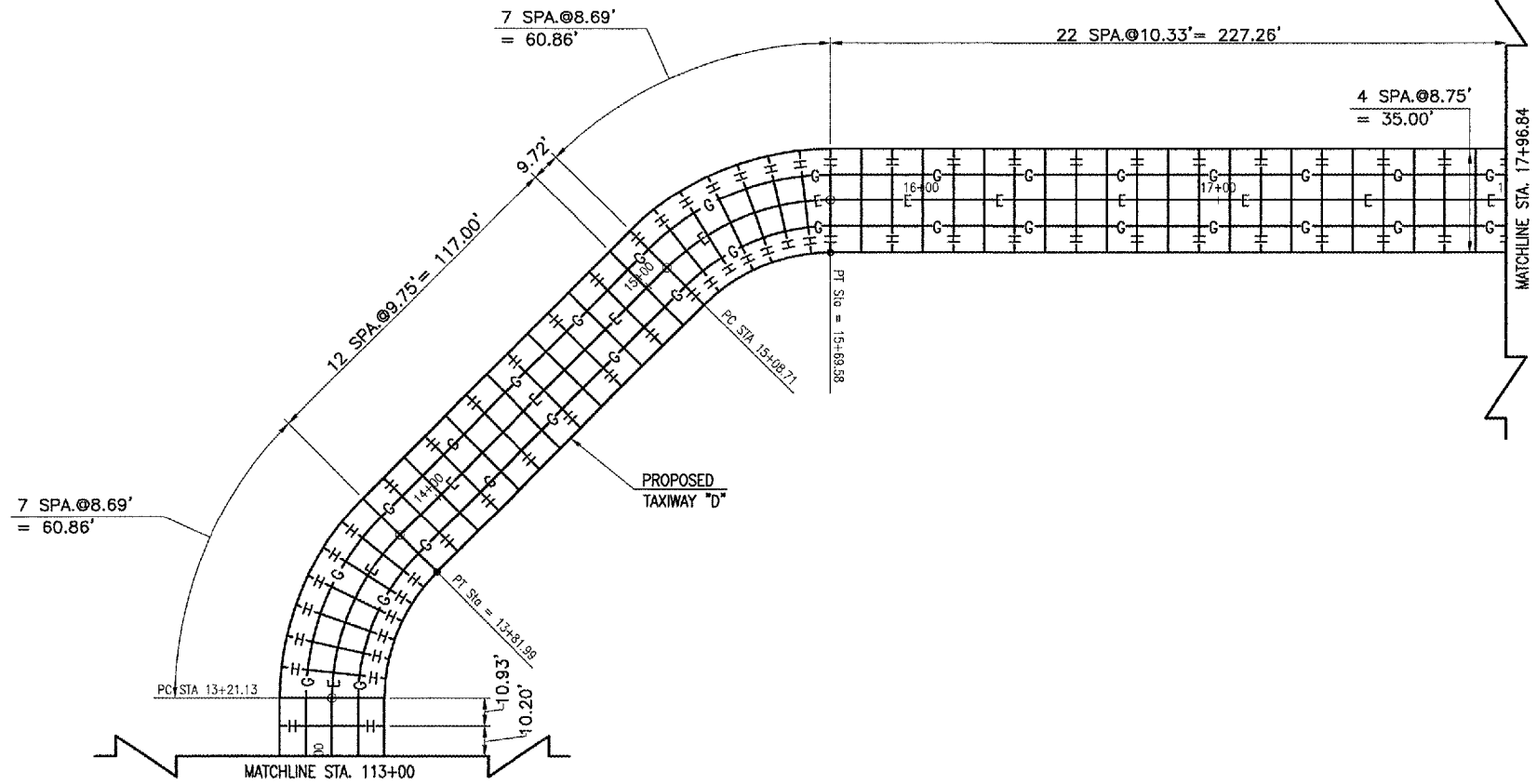
STA. 122+00 TO STA. 135+00

MAY 05, 2005 4:26 PM RAW
 I:\AIRPORTS\TAYLORVILLE\B28-03RWYGD\AIRPORT\ SHEETS\R-161.JUN1.DWG - TAXI 6+00 TO 17+96.84



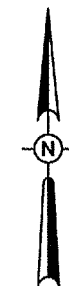
RUNWAY 9-27 STA. 134+82.50
 TAXIWAY "D" STA. 8+00.00

RUNWAY END 27
 STA. 135+00



- LEGEND**
- EXISTING IMPROVEMENTS
 - PROPOSED IMPROVEMENTS
 - PAVEMENT REINFORCED WITH WIRE MESH 6" X 6" (W4 X W5)
 - TYPE B THICKENED EDGE EXPANSION JOINT
 - TYPE E HINGED CONSTRUCTION JOINT
 - TYPE G HINGED CONTRACTION JOINT
 - TYPE H DUMMY CONTRACTION JOINT

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



TA001

DATE	REVISION	BY

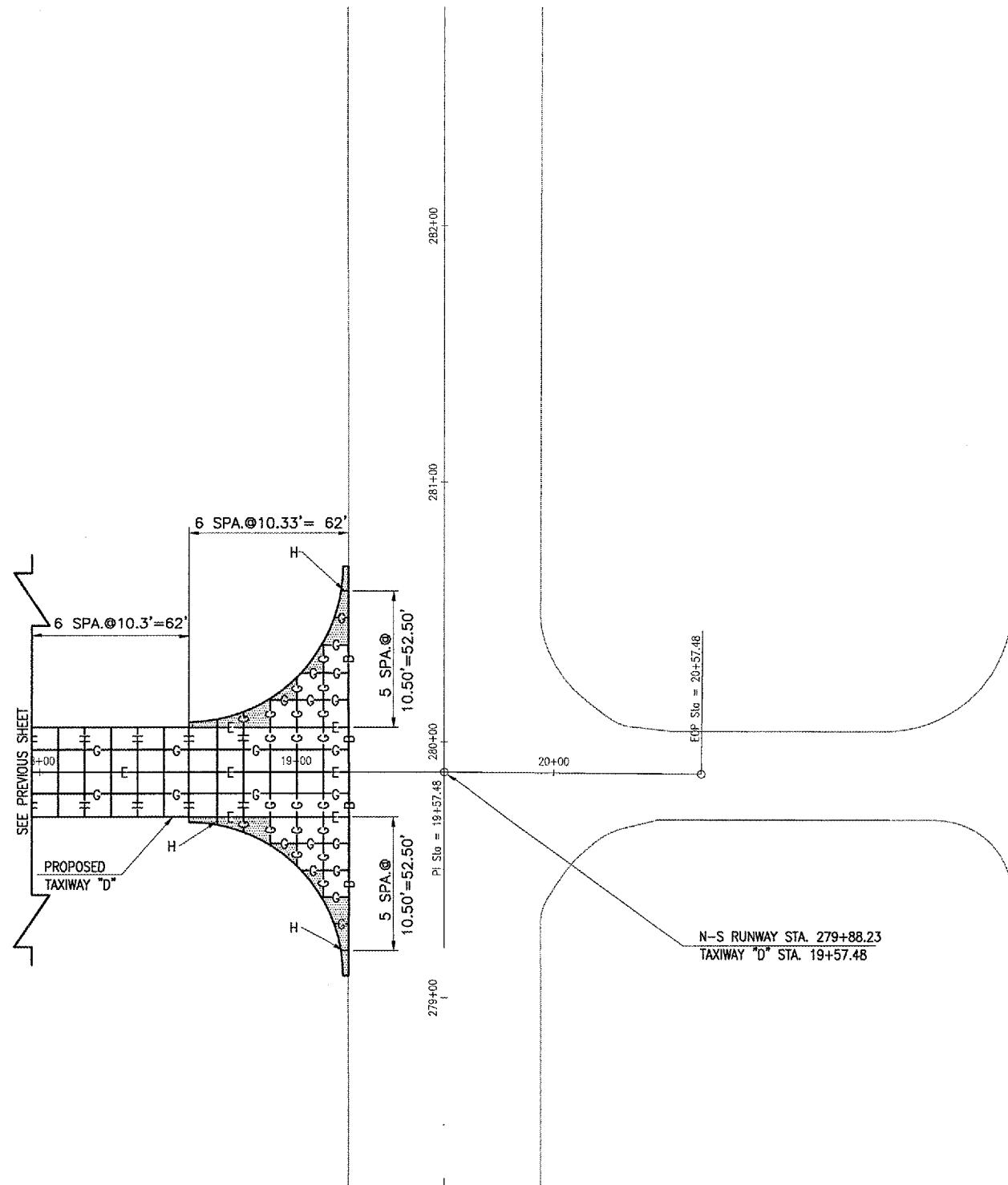
TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

FILE: R-161.JUN1.DWG	DATE: 02/10/05
SCALE: 1" = 30'	LAYOUT: MLB 02/10/05
	DRAWN: MLB 02/16/05
	REVIEWED: CAH xx/xx/xx



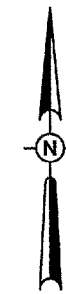
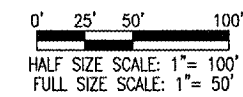
CONSTRUCT
 RUNWAY 9-27
 PROPOSED
 JOINTING PLAN
 STA. 8+00.00 TO STA. 17+96.84

TA001



LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- PAVEMENT REINFORCED WITH WIRE MESH 6" X 6" (W4 X W5)
- TYPE B THICKENED EDGE EXPANSION JOINT
- TYPE E HINGED CONSTRUCTION JOINT
- TYPE G HINGED CONTRACTION JOINT
- TYPE H DUMMY CONTRACTION JOINT



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

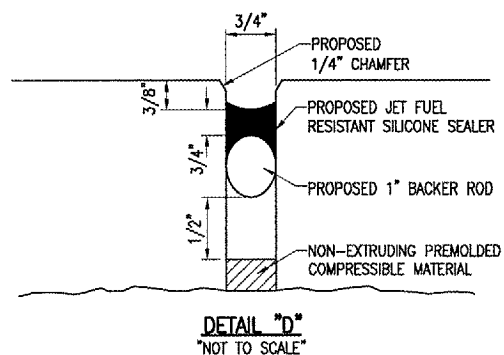
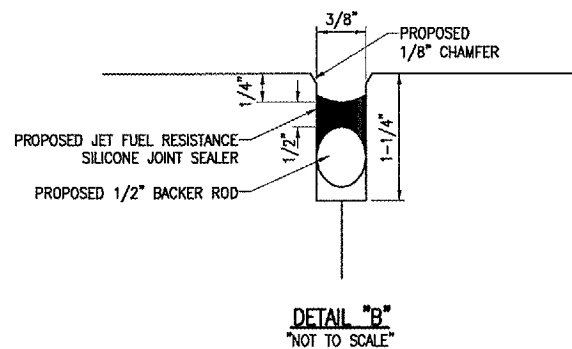
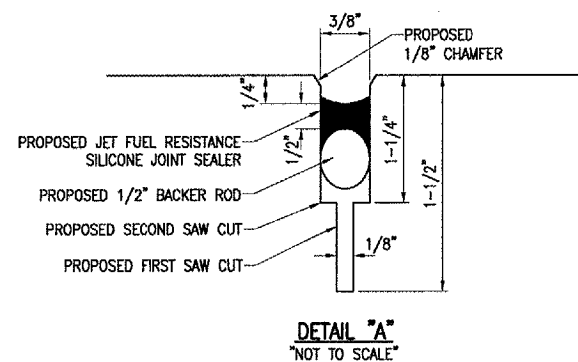
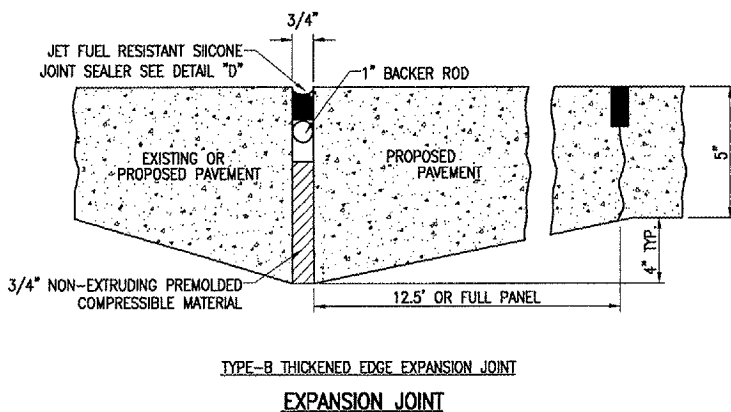
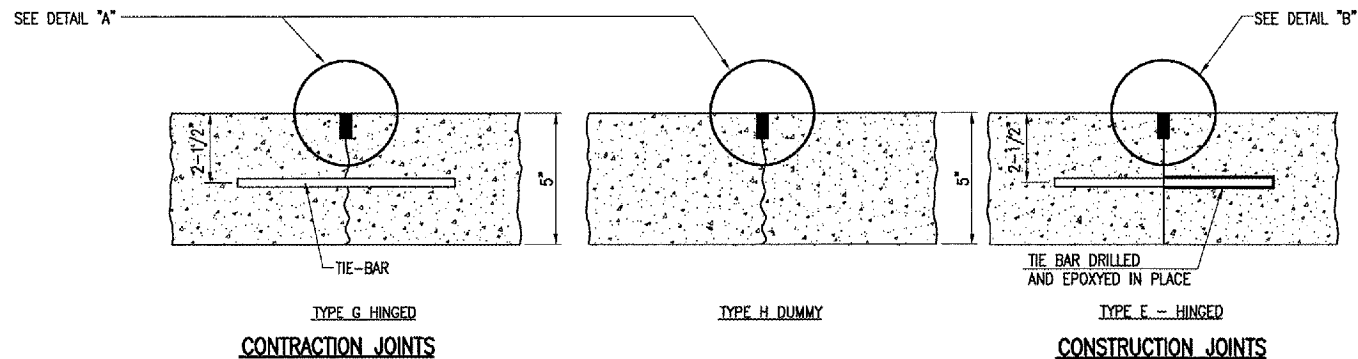
H.E. Project No. 828-03RWYGD_0800 Filename R-161JUNT.DWG Scale 1" = 30' Date 02/10/05	
LAYOUT	MLB 02/10/04
DRAWN	MLB 02/16/05
REVIEWED	CAH xx/xx/xx

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

CONSTRUCT
RUNWAY 9-27

PROPOSED
JOINTING PLAN

STA. 17+96.84 TO STA. 19+20.50



JOINTING NOTES

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

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

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

ALL TIE-BARS SHALL BE PLACED AT A POINT NOT EXCEEDING 15" OR CLOSER THAN 6" FROM A TRANSVERSE, CONTRACTION, EXPANSION, OR CONSTRUCTION JOINT AND SPACED 36" ON CENTERS AND SHALL BE NO. 4 DEFORMED BARS, 20" IN LENGTH.

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

TIE-BARS LOCATED IN THE CONSTRUCTION JOINTS WILL BE DRILLED AND EPOXYED IN PLACE. THE EPOXYED MATERIAL MUST BE APPROVED BY THE ILLINOIS DIVISION OF AERONAUTICS.

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

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

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

JOINT SEALANT SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS ITEM 501-2.5.

CURING COMPOUND WILL BE AS SPECIFIED IN THE SPECIFICATIONS, ITEM 501-3.17 AND SHALL BE APPROVED PRIOR TO THE PAVING OPERATION BY THE ENGINEER.

ALL NON-ALIGNED EDGES WILL BE SAWEED FULL DEPTH.

REVISION	DATE	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

ILL. Project No. 828-03RWYCD. 0800.
Elevation R-561JUNLDWG
NO. SCALE
Date 02/16/05

LAYOUT MLB 02/16/05
DRAWN MLB 02/16/05
REVIEWED CAH xx/xx/xx

ILL. PROJ.: TAZ-3166
A.I.P. PROJ.: 3-17-0100-B7

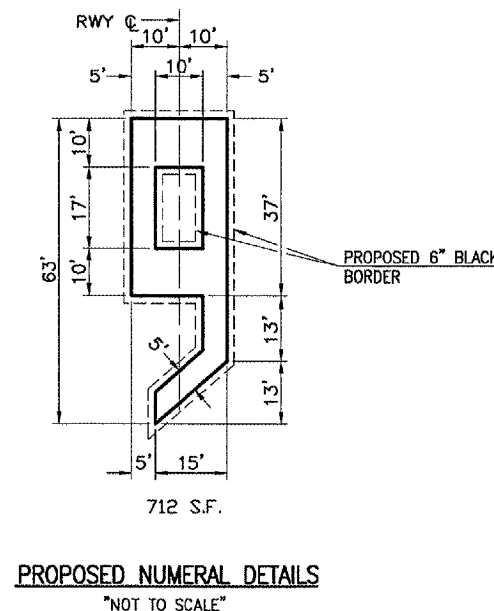
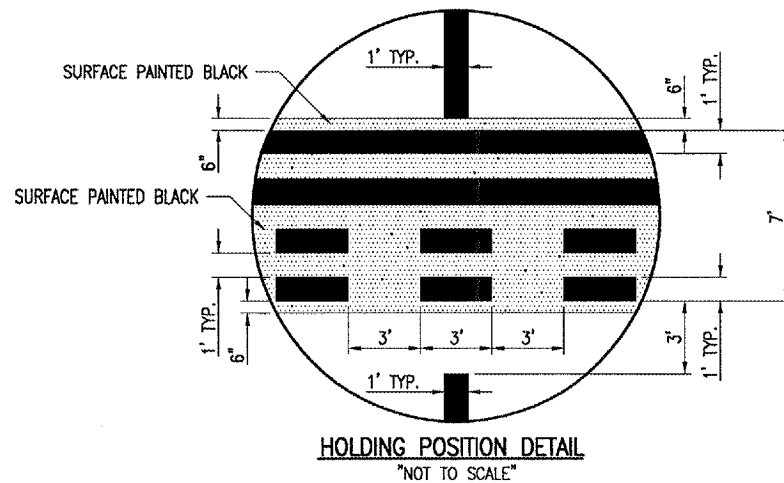
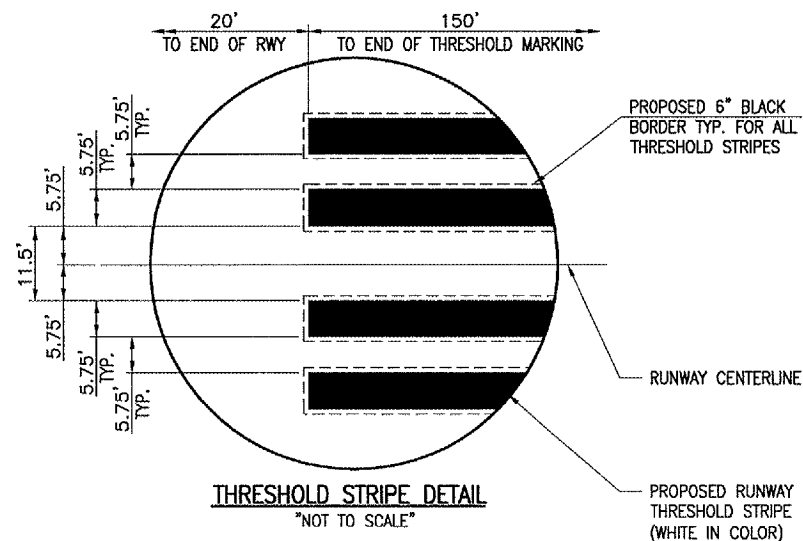
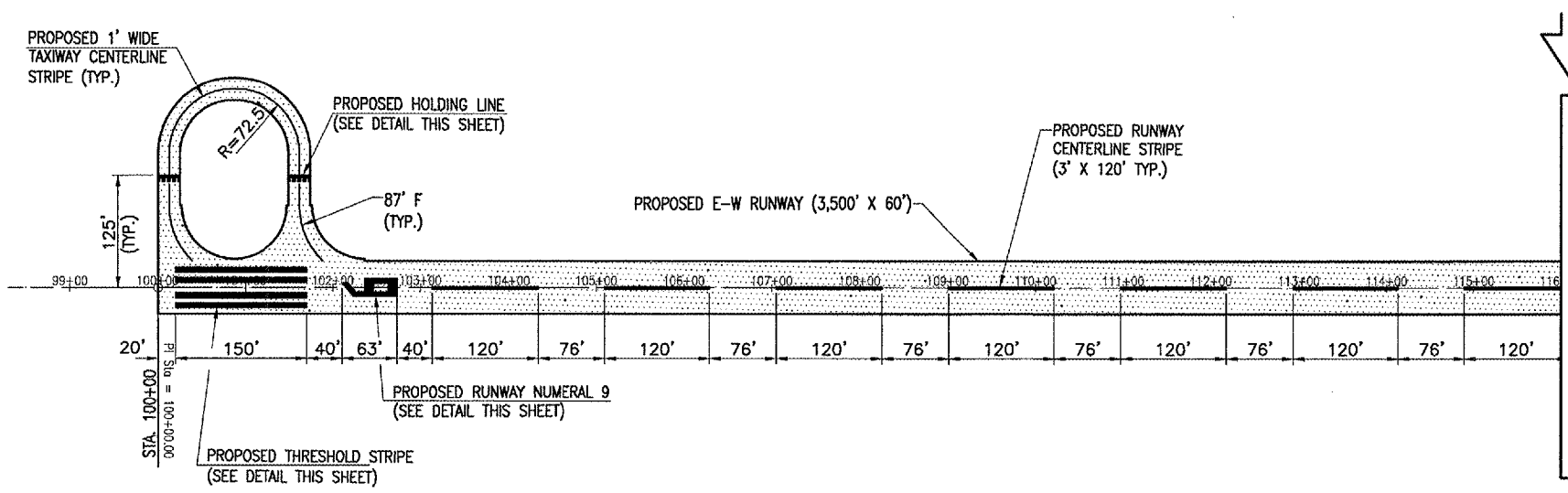
HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2885
Offices Nationwide

CONSTRUCT
RUNWAY 9-27

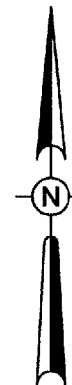
PROPOSED
JOINTING DETAILS

MAY 05, 2005 4:44 PM RAW
I:\AIRPORTS\TYVILLE\928-03RWYCD\AIRPORT SHEETS\R-561JUNLDWG - JOINT DETAILS

MARKING QUANTITIES					
DESCRIPTION	UNIT AREA	NO. REQUIRED	WHITE (S.F.)	YELLOW (S.F.)	BLACK (S.F.)
RUNWAY C STRIPE (SOLID)	360	16	5,760		
RUNWAY C STRIPE (BORDER)	124	16			1,984
TAXIWAY AND TURN AROUND C STRIPE (SOLID)	2,177	1		2,177	
TAXIWAY AND TURN AROUND C STRIPE (BORDER)	2,195	1			2,195
NUMBER 2 (SOLID)	652	1	652		
NUMBER 2 (BORDER)	106	1			106
NUMBER 7 (SOLID)	471	1	471		
NUMBER 7 (BORDER)	85	1			85
NUMBER 9 (SOLID)	712	1	712		
NUMBER 9 (BORDER)	114	1			114
TAXIWAY HOLD LINES (SOLID)	104	2		208	
TAXIWAY HOLD LINES (BORDER)	176	2			352
TURN AROUND HOLD LINES (SOLID)	76	2		152	
TURN AROUND HOLD LINES (BORDER)	124	2			248
THRESHOLD STRIPE (SOLID)	862.5	4	3,450		
THRESHOLD STRIPE (BORDER)	176.75	4			627
		TOTAL	11,045	2,537	5,711
			TOTAL AREA		13,582
PAVEMENT MARKING - WATERBORNE					13,582
PAVEMENT MARKING - BLACK BORDER					5,711



- LEGEND**
- EXISTING IMPROVEMENTS
 - PROPOSED IMPROVEMENTS
 - PROPOSED MARKING



0' 50' 100' 200'
 HALF SIZE SCALE 1" = 200'
 FULL SIZE SCALE 1" = 100'

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS

AL.P. PROJ.: 3-17-0100-87
 IL. PROJ.: IAZ-3166

DATE	BY	REVIEWED
02/05/04	JMB	CAH
02/05/04	JMB	CAH
03/28/05		

LEG. Project No. 828-03RWYGD_0800.
 Drawing R-15.1MRK.DWG.
 Scale 1" = 100'
 Date 02/05/04



CONSTRUCT
 RUNWAY 9-27
 PROPOSED
 MARKING PLAN
 STA. 100+00 TO STA. 116+00

APR 22, 2005 11:09 AM RAW I:\AIRPORTS\TYLLE\828-03RWYGD\AIRPORT\SHETS\R-15.1MRK.DWG - STA. 100+00 TO STA. 116+00

620-PAVEMENT MARKING NOTES

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

THIS ITEM SHALL CONSIST OF RUNWAY CENTERLINE STRIPES, THRESHOLD STRIPES, NUMERALS 2, 7, AND 9 ALL WHITE IN COLOR WITH A 6" BLACK BORDER. THE TAXIWAY CENTERLINE SHALL BE YELLOW IN COLOR WITH A 6" BLACK BORDER. HOLDING LINE MARKING IN ACCORDANCE WITH THESE SPECIFICATIONS AND AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. THE HOLDING LINE MARKING WILL BE YELLOW IN COLOR WITH A BLACK OUTLINE. THE PROPOSED PAVEMENT MARKING WILL BE APPLIED IN TWO APPLICATIONS.

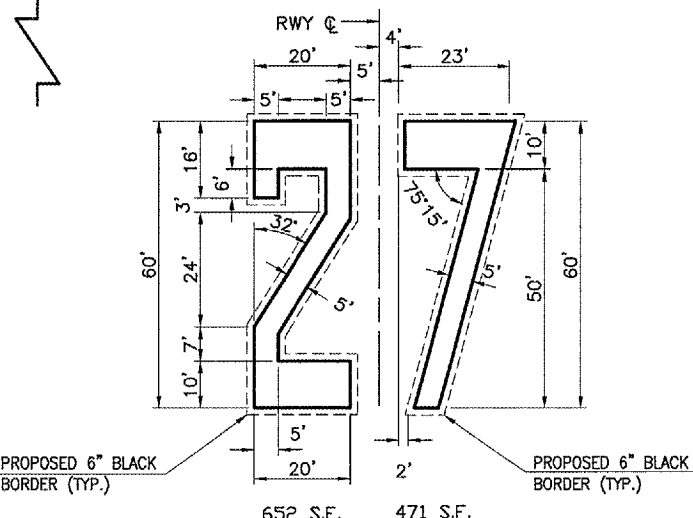
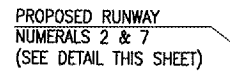
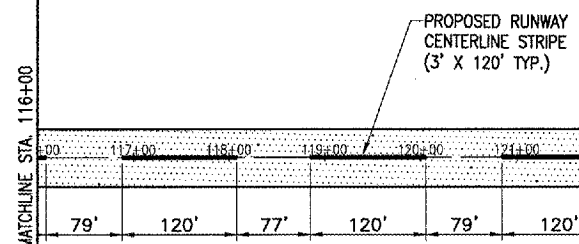
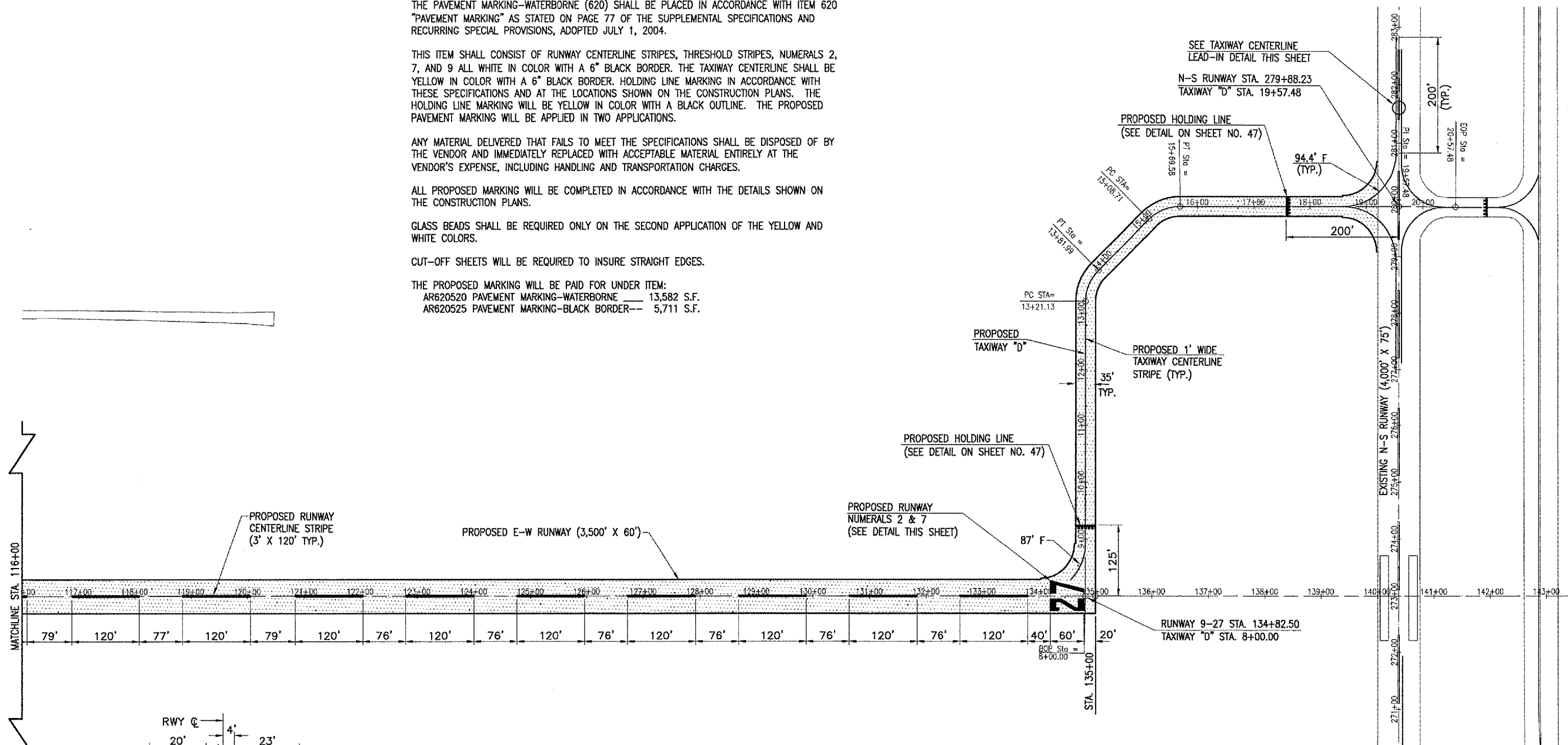
ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL ENTIRELY AT THE VENDOR'S EXPENSE, INCLUDING HANDLING AND TRANSPORTATION CHARGES.

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

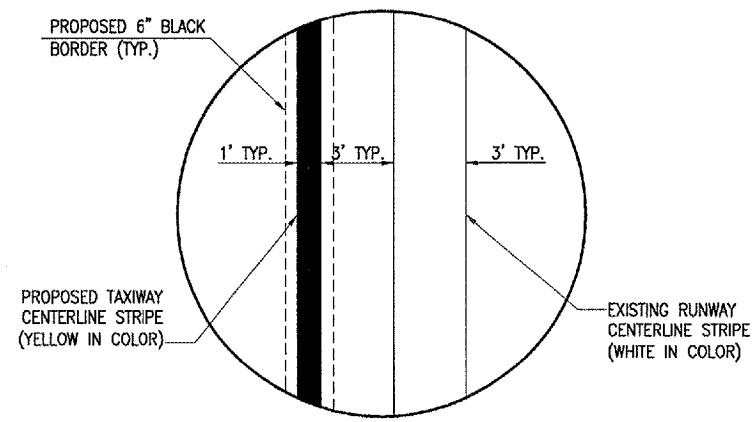
GLASS BEADS SHALL BE REQUIRED ONLY ON THE SECOND APPLICATION OF THE YELLOW AND WHITE COLORS.

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

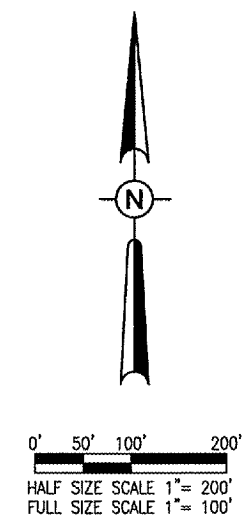
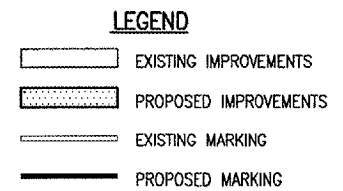
THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM:
 AR620520 PAVEMENT MARKING-WATERBORNE 13,582 S.F.
 AR620525 PAVEMENT MARKING-BLACK BORDER 5,711 S.F.



PROPOSED NUMERAL DETAILS
 "NOT TO SCALE"



TAXIWAY CENTERLINE LEAD-IN DETAIL
 "NOT TO SCALE"



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

HANSON Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62705-2886 Offices Nationwide	LAYOUT JMB 02/05/04 DRAWN JMB 02/05/04 REVIEWED CAH 03/28/05
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CONSTRUCT
RUNWAY 9-27

PROPOSED
MARKING PLAN
 STA. 116+00 TO STA. 135+00

MAY 05, 2005 4:49 PM RAW
 I:\AIRPORTS\TYLLE\B28-03RWYGD\AIRPORT\SHEETS\R-151MRK.DWG - STA. 116+00 TO STA. 135+00

110-DUCT NOTES:

THE PROPOSED CONCRETE ENCASED ELECTRICAL DUCT WILL BE CONSTRUCTED IN ACCORDANCE WITH ITEM 110 "INSTALLATION OF AIRPORT UNDERGROUND ELECTRICAL DUCT" AS STATED ON PAGE 148 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING 2-WAY & 4-WAY CONCRETE ENCASED ELECTRICAL DUCTS AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS.

THE CONCRETE ENCASED DUCTS WILL BE PLACED FOLLOWING THE SOIL PROCESSING AND APPLICATION OF THE LIME. THE TOPS OF THE PROPOSED DUCTS WILL BE PLACED 12" BELOW THE BOTTOM OF THE PROPOSED AGGREGATE BASE OR A MINIMUM OF 18" BELOW THE SURFACE OF THE FINISHED SUBGRADE.

THE PROPOSED ELECTRICAL DUCT WILL BE PAID FOR UNDER ITEMS:
 AR110502 2-WAY CONCRETE ENCASED DUCT _____ 41 L.F.
 AR110504 4-WAY CONCRETE ENCASED DUCT _____ 72 L.F.

REIL NOTES

THE CONTRACTOR SHALL FURNISH AND INSTALL THE PROPOSED POWER CABLES FOR THE EXISTING & PROPOSED REIL'S AS SHOWN ON THE CONSTRUCTION PLANS. THE CABLE WILL BE TRENCHED AT A MINIMUM DEPTH OF 18".

THE PROPOSED POWER CABLES SHALL BE NO. 6, 600 VOLT, TYPE C, 3/C UNDERGROUND CABLE.

THE CONTRACTOR SHALL ALSO FURNISH AND INSTALL THE POWER AND CONTROL CABLES BETWEEN THE MASTER AND SLAVE REIL UNITS. THE SIZE, TYPE AND NUMBER OF CABLES TO BE INSTALLED BETWEEN THE REIL UNITS WILL BE AS PER THE MANUFACTURER'S RECOMMENDATIONS.

THE CABLE TRENCH SHALL BE BACKFILLED, COMPACTED TO PREVENT FUTURE SETTLEMENT AND LIMED, FERTILIZED AND SEEDDED IN ACCORDANCE WITH ITEM 901 "SEEDING".

ELECTRICAL NOTES

CABLES:

ALL PROPOSED CABLE WILL BE LOCATED 12' FROM THE PAVEMENT EDGE UNLESS OTHERWISE STATED BY THE RESIDENT ENGINEER.

ALL PROPOSED CABLE WILL BE PLACED 18" BELOW THE PROPOSED GRADE.

THE PROPOSED ELECTRICAL CABLE WILL BE NO. 8, 5000 V., 1/C, TYPE C UNDERGROUND CABLE IN UNIT DUCT.

IN AREAS WHERE THERE IS A CONGESTION OF CABLES OR WHERE THE PROPOSED CABLE CROSSES AN EXISTING CABLE, THE PROPOSED CABLE WILL BE HAND DUG INTO PLACE. AT ALL OTHER LOCATIONS, THE PROPOSED CABLE IN UNIT DUCT MAY BE EITHER TRENCHED OR PLOWED INTO PLACE. THE TRENCHING AND/OR PLOWING WILL BE CONSIDERED INCIDENTAL TO THE PROPOSED CABLE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL CABLE SHOWN BY A (---E---) DASHED LINE ARE EXISTING CIRCUITS THAT ARE NOT PART OF THIS CONTRACT. THE LOCATION OF THESE CABLES ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND IDENTIFY THESE EXISTING CIRCUITS PRIOR TO THE INSTALLATION OF THE PROPOSED CABLE. ANY DAMAGE TO THE EXISTING CIRCUITS SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE RESIDENT ENGINEER AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

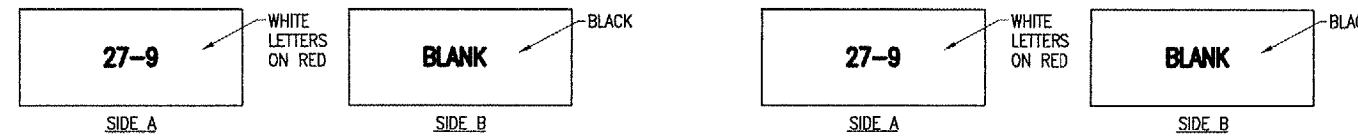
LIGHTS:

ALL PROPOSED LIGHTS WILL BE PLACED 10' FROM THE PAVEMENT EDGE UNLESS SHOWN OTHERWISE.

ALL PROPOSED LIGHTS WILL BE CONSTRUCTED AT THE LOCATION SHOWN ON THIS SHEET AND IN ACCORDANCE WITH THE DETAILS SHOWN ON SHEET 53 AND THE SPECIFICATIONS.

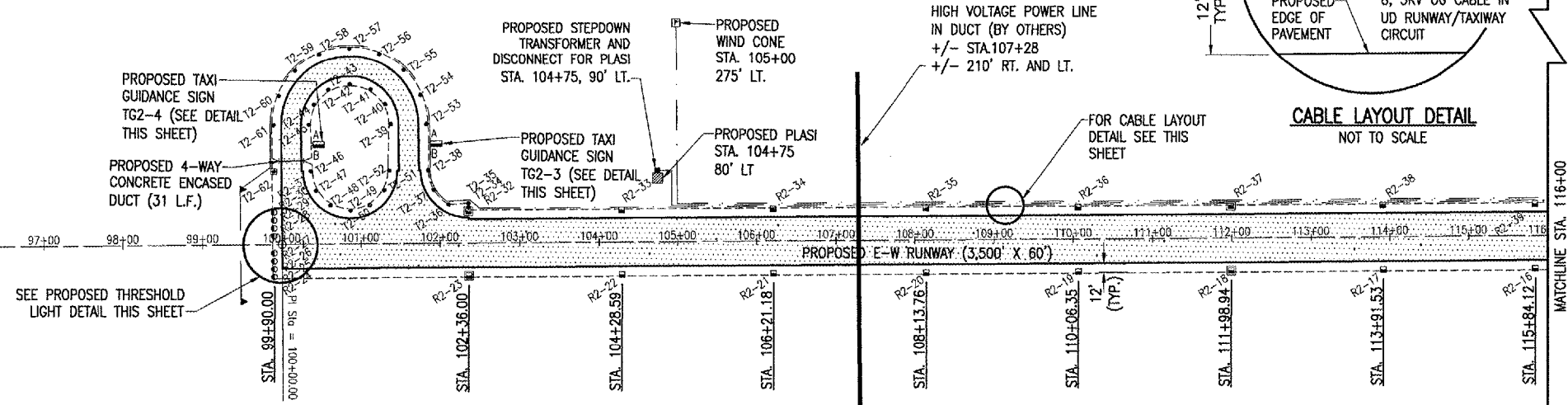
DURING CONSTRUCTION, THE EXISTING RUNWAY AND TAXIWAY LIGHTING CIRCUITS MAY BE INOPERABLE DURING THE DAY. HOWEVER, THE CIRCUIT WILL BE FUNCTIONING AT THE END OF THE CONSTRUCTION DAY. THE CONTRACTOR WILL DO WHATEVER IS NECESSARY TO HAVE THE CIRCUITS ACTIVE AT THE END OF THE CONSTRUCTION DAY. THE WORK WILL BE CONSIDERED AS PART OF THE LIGHTING INSTALLATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE RUNWAY LIGHTS ON 9-27, TAXIWAY LIGHTS ON TAXIWAY "D", AND TAXIWAY LIGHTS ON THE TURN AROUND ARE ALL ON ONE ELECTRICAL CIRCUIT.



TAXI GUIDANCE SIGN TG2-3 DETAIL
"NOT TO SCALE"

TAXI GUIDANCE SIGN TG2-4 DETAIL
"NOT TO SCALE"



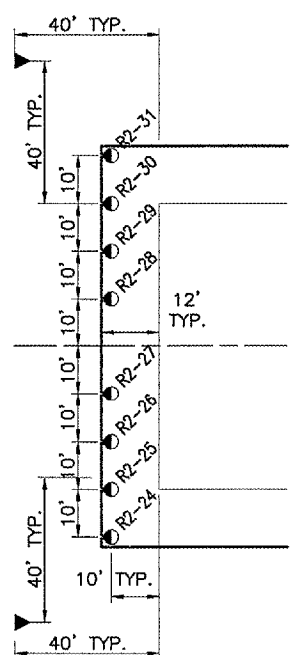
CABLE LAYOUT DETAIL
NOT TO SCALE

LEGEND

- PROPOSED IMPROVEMENTS
- PROPOSED CONCRETE ENCASED DUCT
- PROPOSED 1/C NO. 8 UG CABLE IN UD
- PROPOSED 3/C NO. 6 UG CABLE IN UD
- PROPOSED RUNWAY THRESHOLD LIGHT
- PROPOSED STAKE MOUNTED RUNWAY LIGHT
- PROPOSED BASE MOUNTED RUNWAY LIGHT
- PROPOSED P.L.A.S.I.
- PROPOSED REIL
- PROPOSED WIND CONE
- PROPOSED STAKE MOUNTED TAXIWAY LIGHT
- PROPOSED BASE MOUNTED TAXIWAY LIGHT
- PROPOSED TAXI GUIDANCE SIGN

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

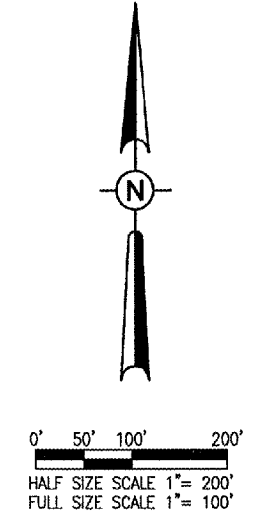
CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 1-800-892-0123.



PROPOSED RUNWAY END 9 THRESHOLD LIGHT DETAIL
NOT TO SCALE

TEA CUP TURNAROUND LIGHT COORDINATES

LIGHT NO.	NORTHING	EASTING
T2-34	1043692.1171	2529508.4640
T2-35	1043697.1160	2529508.3581
T2-36	1043695.2856	2529483.3912
T2-37	1043713.1952	2529464.7065
T2-38	1043738.0478	2529457.4799
T2-39	1043795.0395	2529409.2622
T2-40	1043819.8920	2529402.0355
T2-41	1043837.8016	2529383.3508
T2-42	1043843.9271	2529356.2150
T2-43	1043836.6581	2529329.3629
T2-44	1043817.9733	2529311.4533
T2-45	1043792.8371	2529305.2855
T2-46	1043734.8924	2529308.5133
T2-47	1043710.0399	2529315.7399
T2-48	1043692.1303	2529334.4247
T2-49	1043685.9625	2529359.5609
T2-50	1043693.1891	2529384.4134
T2-51	1043711.8739	2529402.3230
T2-52	1043737.0101	2529408.4909
T2-53	1043795.9924	2529454.2521
T2-54	1043832.1860	2529446.2524
T2-55	1043862.5632	2529425.0109
T2-56	1043882.4994	2529393.7615
T2-57	1043888.9170	2529355.2621
T2-58	1043880.8750	2529317.0690
T2-59	1043859.6337	2529286.6919
T2-60	1043828.3844	2529266.7557
T2-61	1043791.8841	2529269.2956
T2-62	1043733.8971	2529261.5238



TA001

BY	
REVISION	
DATE	

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

HEB Project No. 828-03RWYGD_0800	
Drawings R-14-LELE.DWG	
Scale 1" = 100'	
Date 02/05/04	
LAYOUT JMB 02/05/04	
DRAWN JMB 02/05/04	
REVIEWED CAH xx/xx/xx	



CONSTRUCT RUNWAY 9-27
PROPOSED ELECTRICAL PLAN
STA. 100+00 TO STA. 116+00

MAY 05, 2005 8:48 PM RAW I:\AIRPORTS\TYLORVILLE\828-03RWYGD\AIRPORT\SHEETS\R-14-LELE.DWG - STA. 100+00 TO STA. 116+00

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

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

TAXI GUIDANCE SIGN NOTES

ALL PROPOSED TAXI GUIDANCE SIGNS WILL BE LOCATED AS SHOWN ON THIS SHEET.
 ALL PROPOSED TAXI GUIDANCE SIGNS WILL BE LOCATED SUCH THAT THE CLOSEST SIDE OF THE SIGN IS 15' FROM THE PAVEMENT EDGE.
 ALL SIGNS WILL READ AS DETAILED ON THIS SHEET.

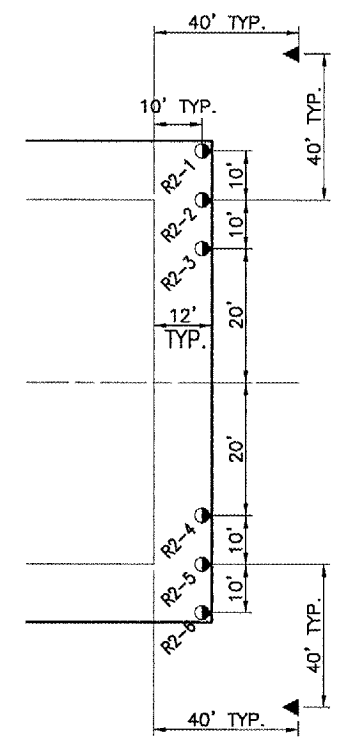
THE PROPOSED TAXI GUIDANCE SIGN WILL BE PAID FOR UNDER THE FOLLOWING ITEMS:
 AR125444 *TAXI GUIDANCE SIGN, 4 CHARACTER _____ 2 EACH.
 AR125446 *TAXI GUIDANCE SIGN, 6 CHARACTER _____ 2 EACH

EXISTING WIND CONE REMOVAL

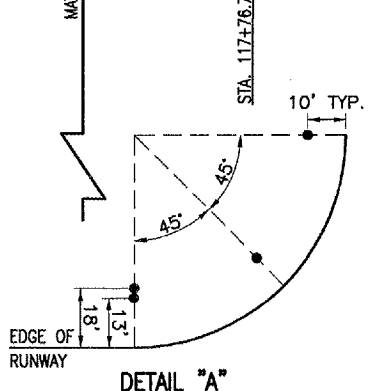
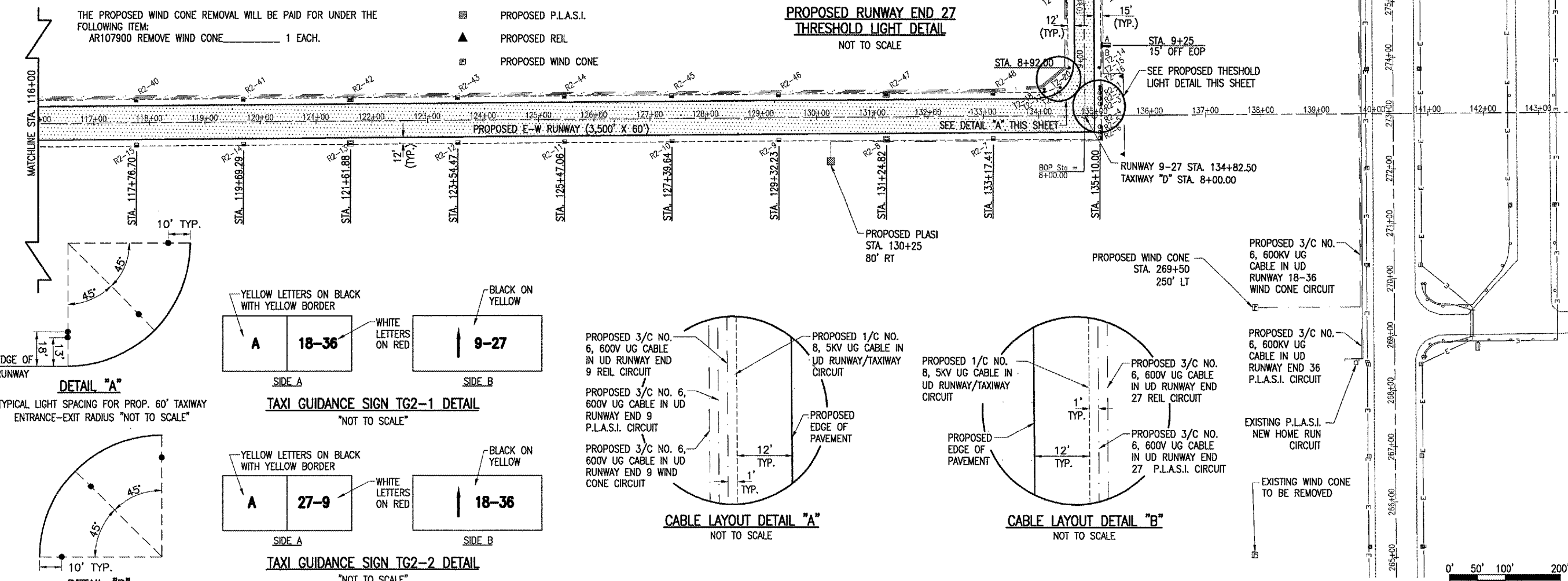
THE EXISTING WIND CONE SHOWN WILL BE REMOVED IN ITS ENTIRETY. THE REMOVAL WILL INCLUDE ALL ITEMS RELATED TO THE WIND CONE INCLUDING, BUT NOT LIMITED TO, THE FOUNDATION, POLE, AND SOCK. THE WIND CONE MATERIALS WILL BE DISPOSED OF BY THE CONTRACTOR OFF OF THE AIRPORT SITE AT NO ADDITIONAL EXPENSE TO THE CONTRACT.

THE PROPOSED WIND CONE REMOVAL WILL BE PAID FOR UNDER THE FOLLOWING ITEM:
 AR107900 REMOVE WIND CONE _____ 1 EACH.

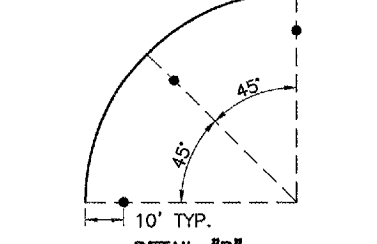
- LEGEND**
- EXISTING IMPROVEMENTS
 - EXISTING ELECTRICAL DUCT
 - EXISTING ELECTRICAL CABLE
 - EXISTING STAKE MOUNTED RUNWAY LIGHT
 - EXISTING BASE MOUNTED RUNWAY LIGHT
 - EXISTING STAKE MOUNTED TAXIWAY LIGHT
 - EXISTING BASE MOUNTED TAXIWAY LIGHT
 - EXISTING TAXI GUIDANCE SIGN
 - EXISTING WIND CONE
 - EXISTING P.L.A.S.I.
 - ▨ PROPOSED IMPROVEMENTS
 - PROPOSED CONCRETE ENCASED DUCT
 - PROPOSED 1/C NO. 8 UG CABLE IN UD
 - PROPOSED 3/C NO. 6 UG CABLE IN UD
 - PROPOSED RUNWAY THRESHOLD LIGHT
 - PROPOSED STAKE MOUNTED RUNWAY LIGHT
 - PROPOSED BASE MOUNTED RUNWAY LIGHT
 - PROPOSED STAKE MOUNTED TAXIWAY LIGHT
 - PROPOSED BASE MOUNTED TAXIWAY LIGHT
 - PROPOSED TAXI GUIDANCE SIGN
 - ▨ PROPOSED P.L.A.S.I.
 - ▲ PROPOSED REIL
 - PROPOSED WIND CONE



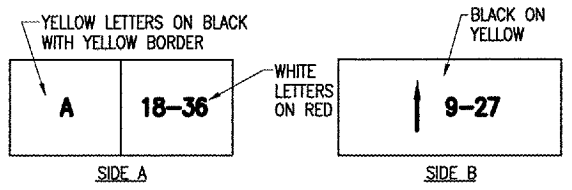
PROPOSED RUNWAY END 27 THRESHOLD LIGHT DETAIL
NOT TO SCALE



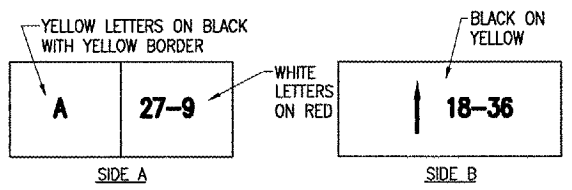
DETAIL 'A'
TYPICAL LIGHT SPACING FOR PROP. 60' TAXIWAY ENTRANCE-EXIT RADIUS "NOT TO SCALE"



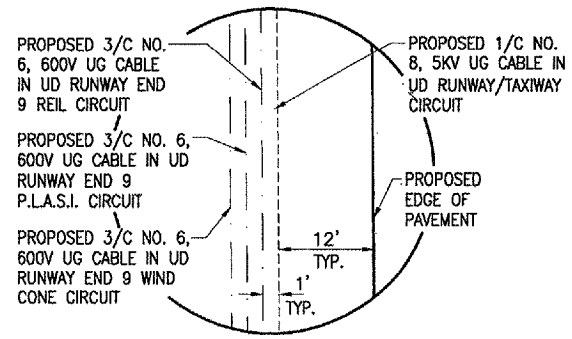
DETAIL 'B'
LIGHT SPACING FOR PROP. 60' TAXIWAY RADIUS "NOT TO SCALE"



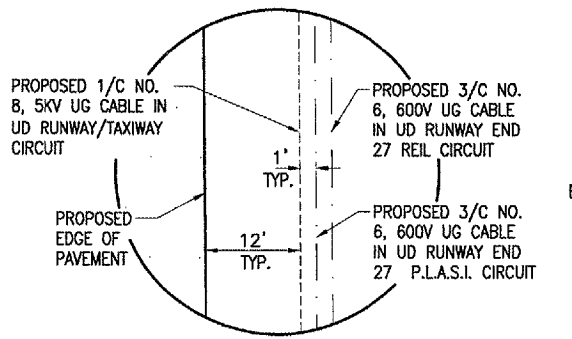
TAXI GUIDANCE SIGN TG2-1 DETAIL
"NOT TO SCALE"



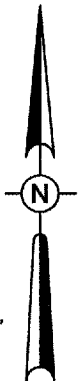
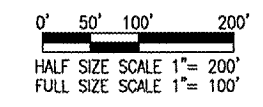
TAXI GUIDANCE SIGN TG2-2 DETAIL
"NOT TO SCALE"



CABLE LAYOUT DETAIL 'A'
NOT TO SCALE



CABLE LAYOUT DETAIL 'B'
NOT TO SCALE

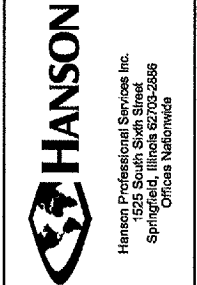


DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

A.I.P. PROJ.: 3-17-0100-B7
IL. PROJ.: TAZ-3166

U.I. Project No. 828-03RWYGD_0800	DATE	JMB	02/05/04
Engineer	R-141ELE.DWG	JMB	02/05/04
Scale	1" = 100'	CAH	xx/xx/xx
Date	02/05/04		
LAYOUT			
DRAWN			
REVIEWED			



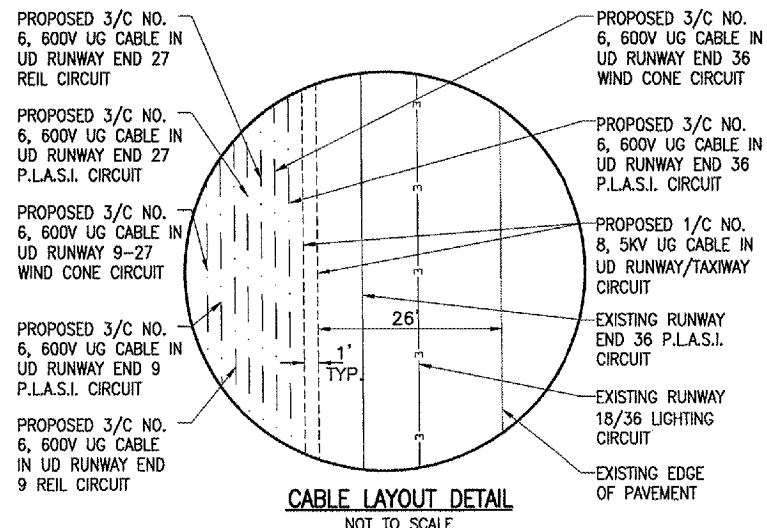
CONSTRUCT RUNWAY 9-27
PROPOSED ELECTRICAL PLAN
STA. 116+00 TO STA. 135+00

MAY 06, 2005 2:53 PM RAW H:\AIRPORTS\TYVILLE\828-03RWYGD\AIRPORT\SHEETS\R-141ELE.DWG - STA. 116+00 TO STA. 135+00

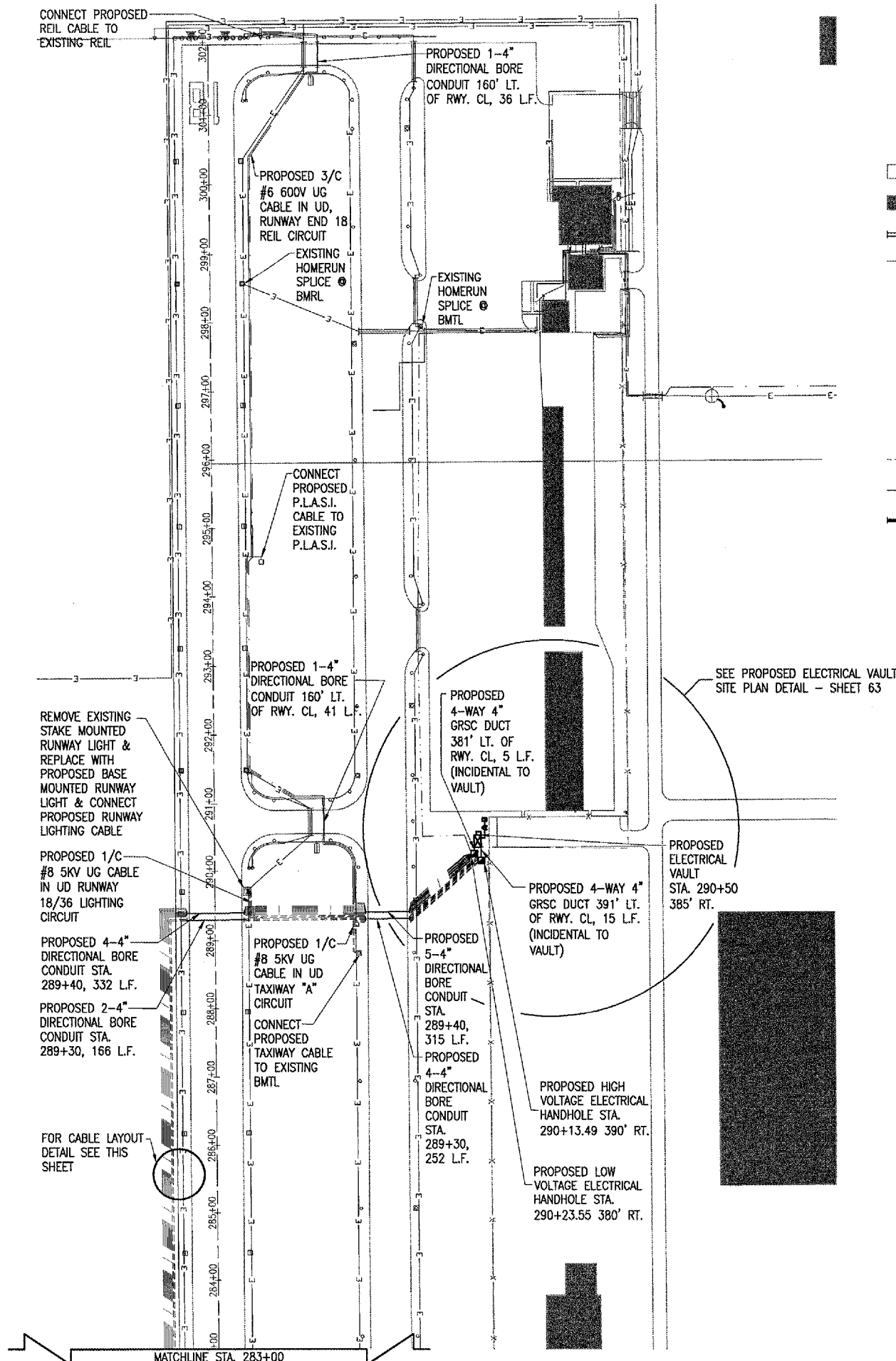
THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND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

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

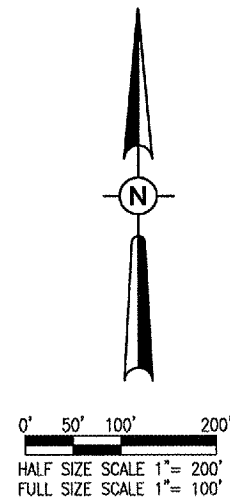
BASE BID ELECTRICAL QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR107408	L-806 WIND CONE-B' LIGHTED	LS	2
AR107900	REMOVE WIND CONE	LS	1
AR108158	1/C #8 5 KV UG CABLE IN UD	L.F.	15,408
AR108656	3/C #6 600 V UG CABLE IN UD	L.F.	31,150
AR109100	CONSTRUCT ELECTRICAL VAULT	LS	1
AR109200	INSTALL ELECTRICAL EQUIPMENT	LS	1
AR109901	REMOVE ELECTRICAL VAULT	LS	1
AR110014	4" DIRECTIONAL BORE	L.F.	1,142
AR110502	2-WAY CONCRETE ENCASED DUCT	L.F.	41
AR110504	4-WAY CONCRETE ENCASED DUCT	L.F.	72
AR110610	ELECTRICAL HANDHOLE	EA	2
AR125410	MTL-STAKE MOUNTED	EA	57
AR125415	MTL-BASE MOUNTED	EA	5
AR125444	TAXI GUIDANCE SIGN, 4 CHARACTER	EA	2
AR125446	TAXI GUIDANCE SIGN, 6 CHARACTER	EA	2
AR125505	MIRL, STAKE MOUNTED	EA	26
AR125510	MIRL, BASE MOUNTED	EA	9
AR125540	ML THRESHOLD LIGHT STAKE MTD	EA	14
AR125610	REILS	PAIR	2
AR125630	PLASI	EA	2
AR800576	INSTALL GROUND ROD	EA	5



CABLE LAYOUT DETAIL
NOT TO SCALE



- LEGEND**
- EXISTING IMPROVEMENTS
 - EXISTING BUILDINGS
 - EXISTING ELECTRICAL DUCT
 - EXISTING ELECTRICAL CABLE
 - EXISTING STAKE MOUNTED RUNWAY LIGHT
 - EXISTING BASE MOUNTED RUNWAY LIGHT
 - EXISTING STAKE MOUNTED TAXIWAY LIGHT
 - EXISTING BASE MOUNTED TAXIWAY LIGHT
 - EXISTING TAXI GUIDANCE SIGN
 - EXISTING P.L.A.S.I.
 - PROPOSED 1/C NO. 8 UG CABLE IN UD
 - PROPOSED 3/C NO. 6 UG CABLE IN UD
 - PROPOSED ELECTRICAL CONDUIT
 - PROPOSED BASE MOUNTED RUNWAY LIGHT
 - PROPOSED ELECTRICAL HANHOLE
 - PROPOSED ELECTRICAL VAULT



DATE	REVISION	BY

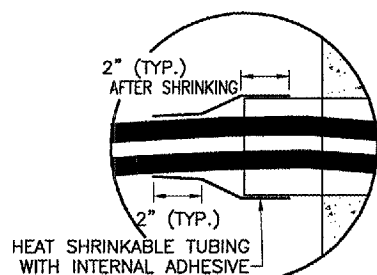
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

HANSON HANSON PROFESSIONAL SERVICES, INC. 1525 South Sixth Street Springfield, Illinois 62705-2886 Offices Nationwide	HANSON HANSON PROFESSIONAL SERVICES, INC. 1525 South Sixth Street Springfield, Illinois 62705-2886 Offices Nationwide
HANSON HANSON PROFESSIONAL SERVICES, INC. 1525 South Sixth Street Springfield, Illinois 62705-2886 Offices Nationwide	HANSON HANSON PROFESSIONAL SERVICES, INC. 1525 South Sixth Street Springfield, Illinois 62705-2886 Offices Nationwide

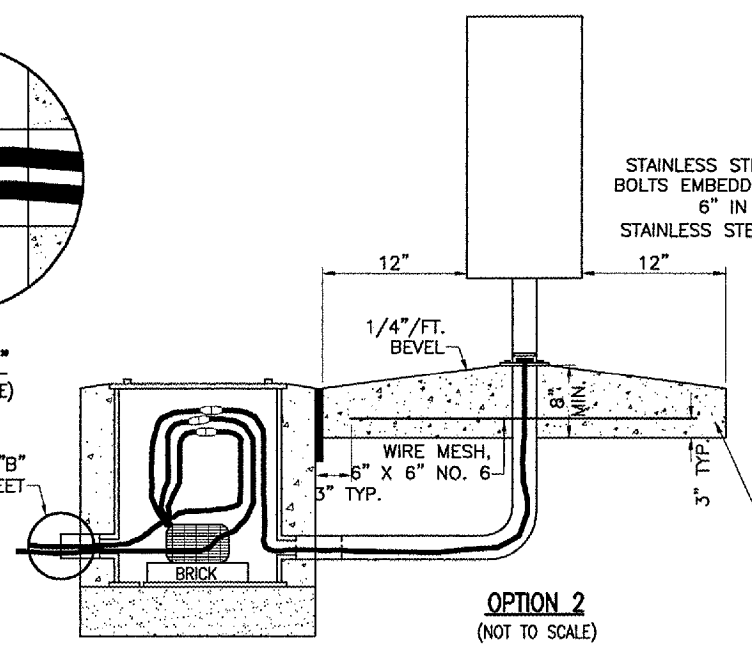
CONSTRUCT RUNWAY 9-27
PROPOSED ELECTRICAL HOMERUN PLAN

51
51 of 127 sheets

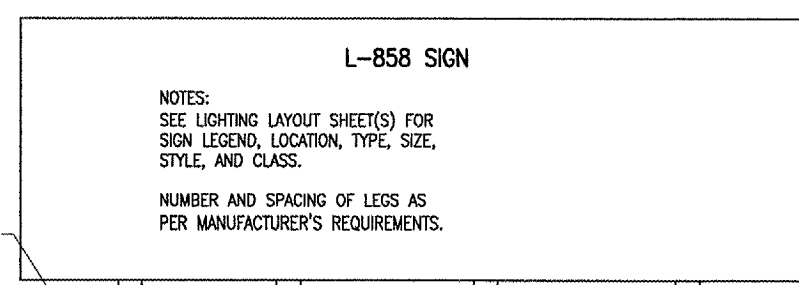


DETAIL "B"
(NOT TO SCALE)

SEE DETAIL "B" ON THIS SHEET



OPTION 2
(NOT TO SCALE)

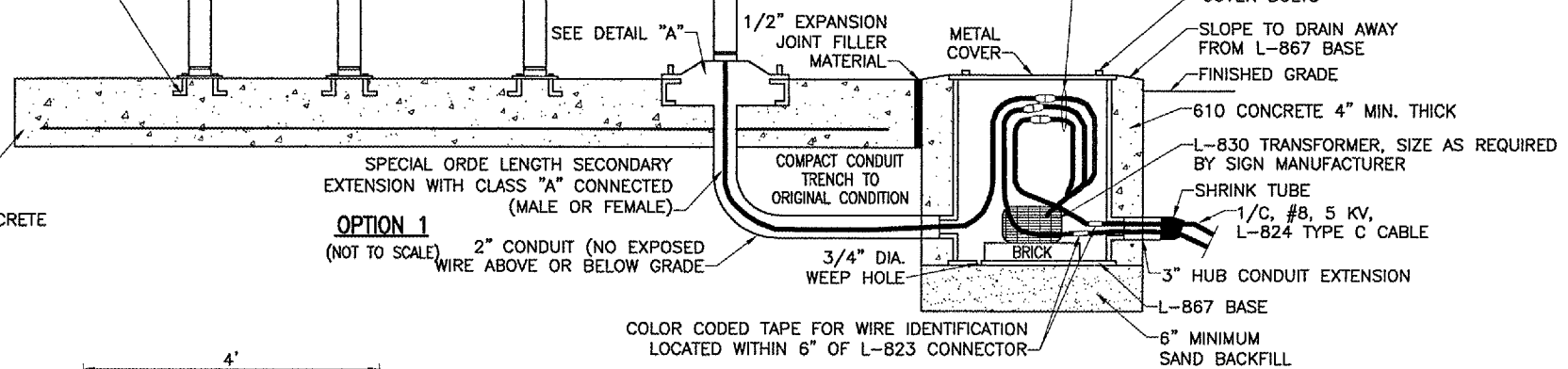


L-858 SIGN

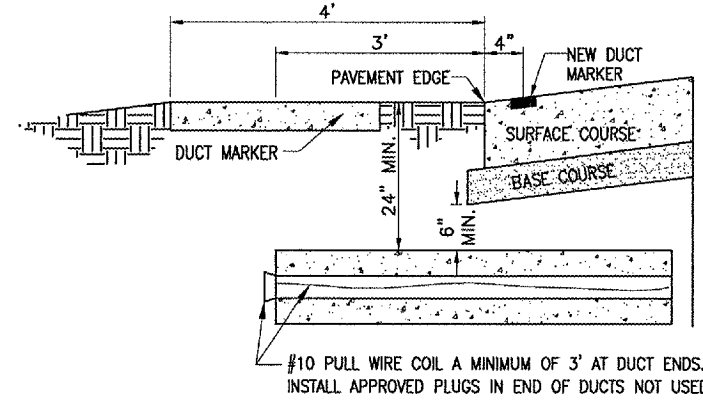
NOTES:
SEE LIGHTING LAYOUT SHEET(S) FOR SIGN LEGEND, LOCATION, TYPE, SIZE, STYLE, AND CLASS.

NUMBER AND SPACING OF LEGS AS PER MANUFACTURER'S REQUIREMENTS.

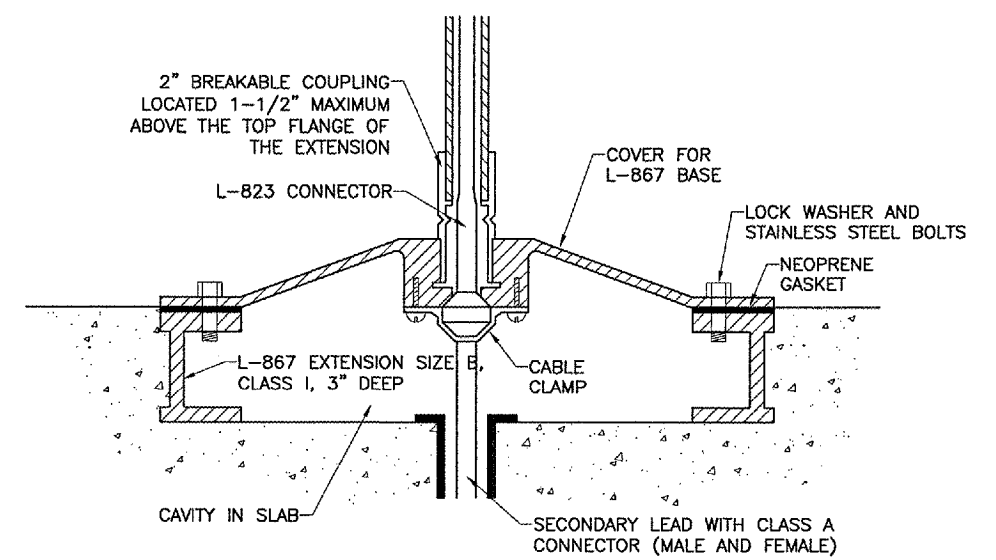
THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER, IN RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION AND THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT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



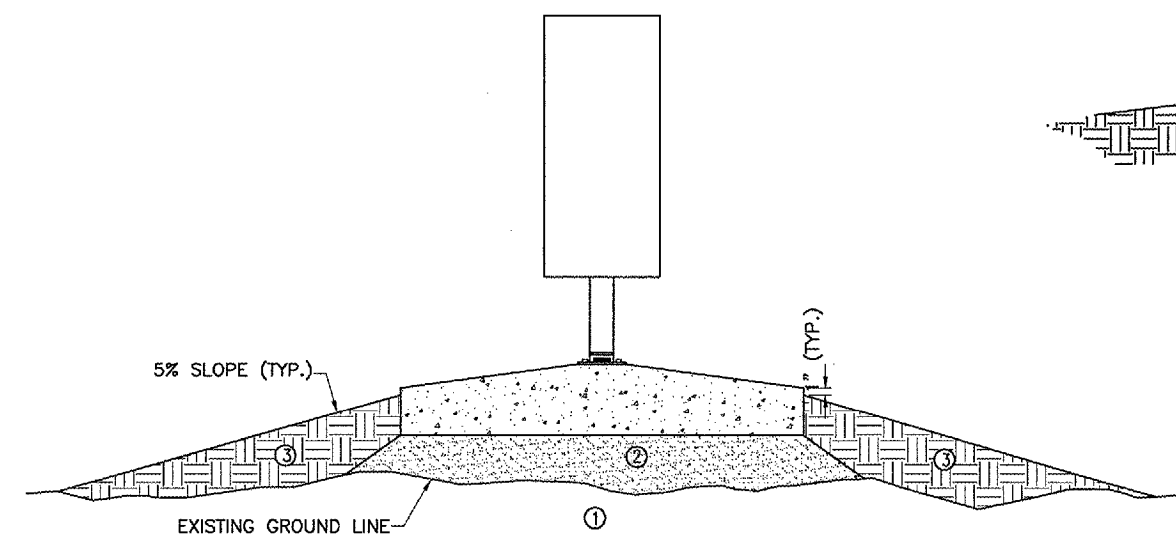
OPTION 1
(NOT TO SCALE)



UNDERGROUND ELECTRICAL DUCT
(NOT TO SCALE)



DETAIL "A"
(NOT TO SCALE)



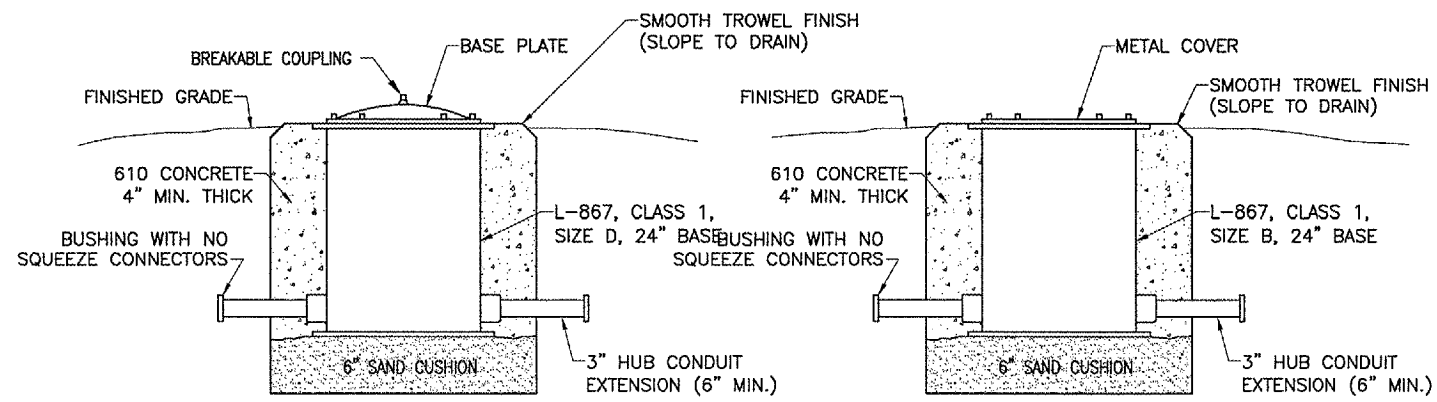
SIGN DETAIL
(NOT TO SCALE)

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

GENERAL NOTES

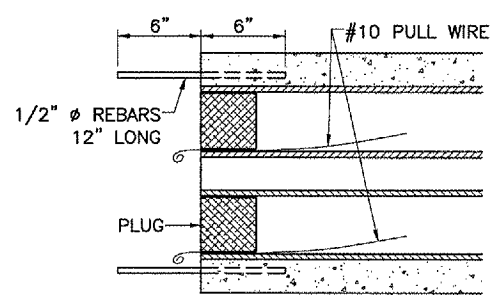
SEE LIGHTING LAYOUT SHEET FOR SIGN LEGEND, LOCATION, TYPE, SIZE, STYLE, AND CLASS.

SEE SHEETS 54 THROUGH 55 FOR ELECTRICAL NOTES.

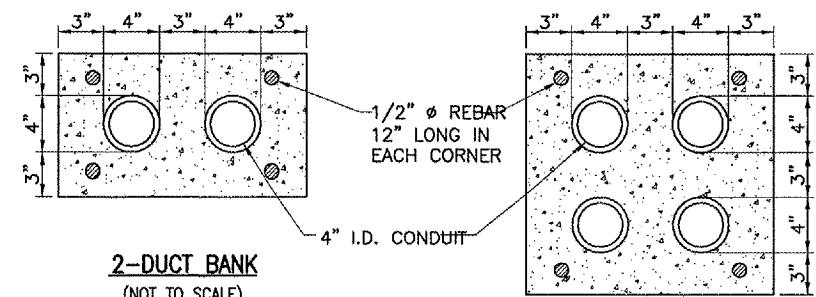


REIL BASE DETAIL
(NOT TO SCALE)

SPLICE CAN DETAIL
(NOT TO SCALE)



TYPICAL SECTION
(NOT TO SCALE)



2-DUCT BANK
(NOT TO SCALE)

4-DUCT BANK
(NOT TO SCALE)

REVISION	DATE	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

A.I.P. PROJ.: 3-17-0100-B7
I.L. PROJ.: TAZ-3166

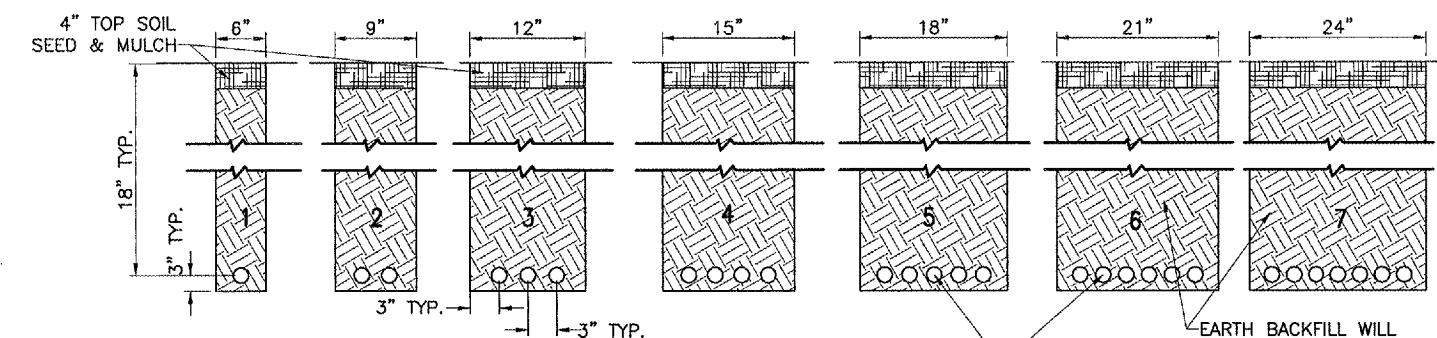
FILED PROJECT NO. 828-03RWYGD.0800	DATE 12/5/03
FILE NAME R-541ELE.DWG	SCALE NTS
DATE 12/5/03	DRAWN JMB
REVIEWED CAH	CHK JMB
	APP xy/xy/xx

HANSON

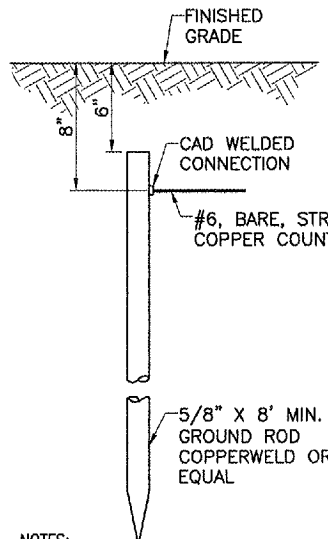
Hanson Professional Services Inc.
1925 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONSTRUCT RUNWAY 9-27
PROPOSED ELECTRICAL DETAILS

APR 22, 2005 11:24 AM RAW
E:\AIRPORTS\TAYLORVILLE\B28-03RWYGD\AIRPORT\SHEETS\R-541ELE.DWG - ELECTRICAL DETAIL

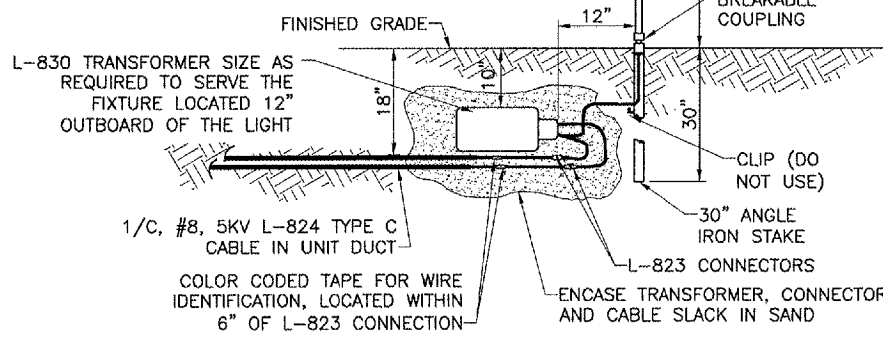


NOTES:
 DETAIL NUMBERS INDICATE NO. OF CABLES.
 TRENCHES WITH MORE THAN SEVEN CABLES SHALL BE INCREASED 3" IN WIDTH FOR EACH ADDITIONAL CABLE; IF SPECIFIED ON PLANS TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.
 DEPTH OF TRENCHES SHALL BE AS SHOWN ABOVE UNLESS OTHERWISE SPECIFIED ON THE PLANS.
 ALL DISTURBED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

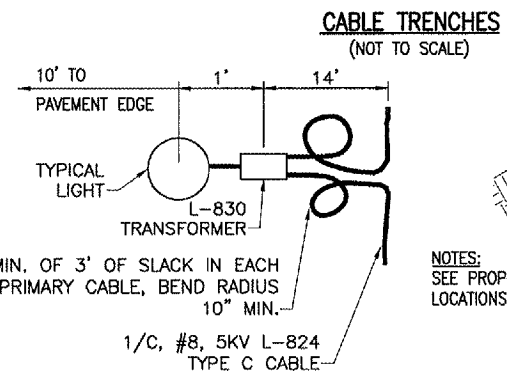


NOTES:
 TYPE AND MINIMUM NUMBER OF GROUND RODS SHALL BE AS SPECIFIED ON THE PLAN.
 THE RESISTANCE TO GROUND OF THE COUNTERPOISE GROUNDING SYSTEM SHALL NOT EXCEED 25 OHMS.
 COST OF GROUND RODS IS INCIDENTAL TO THE ASSOCIATED ITEMS REQUIRING GROUNDING UNLESS OTHERWISE SPECIFIED.

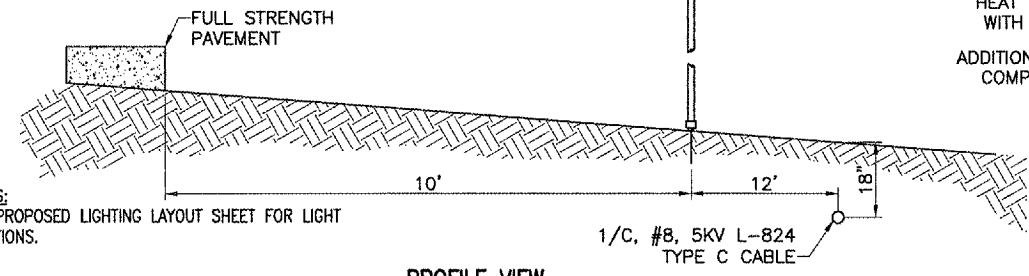
GROUND ROD
(NOT TO SCALE)



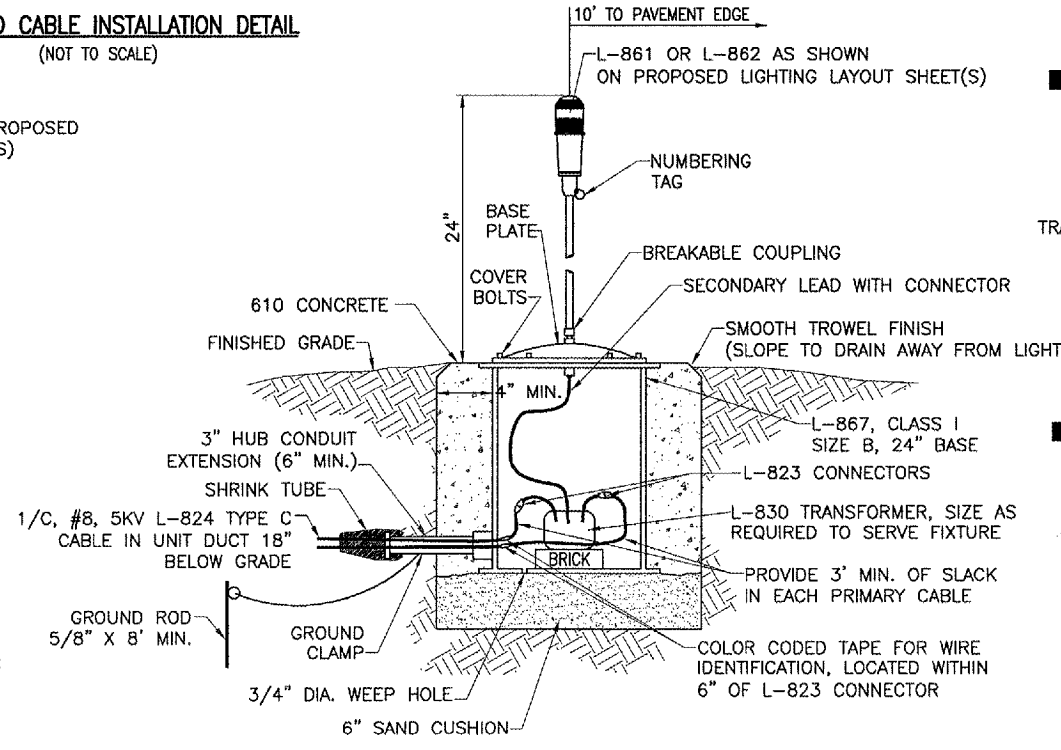
MEDIUM INTENSITY LIGHT - STAKE MOUNTED
(NOT TO SCALE)



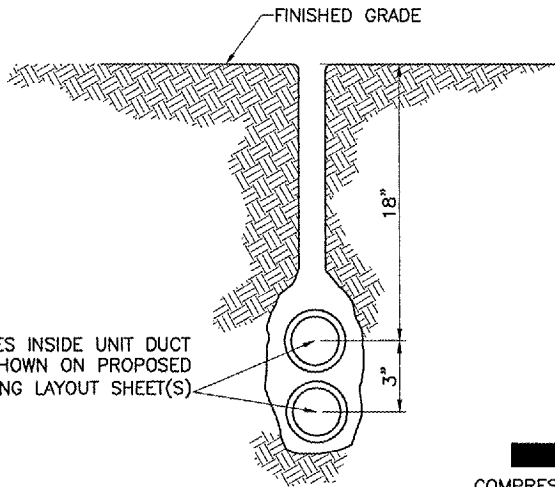
LIGHT AND CABLE INSTALLATION DETAIL
(NOT TO SCALE)



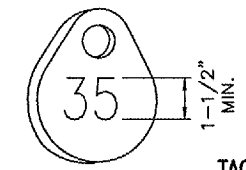
PROFILE VIEW



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

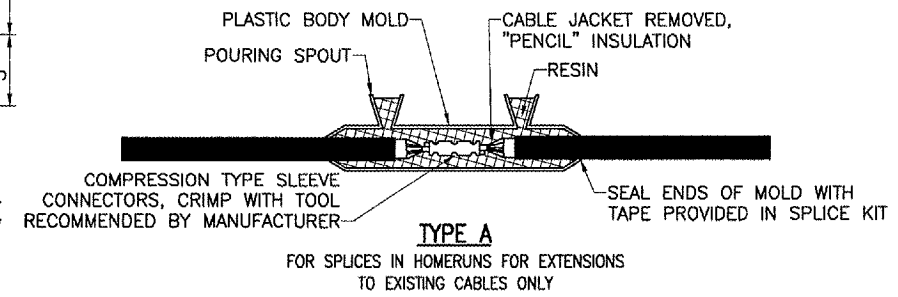


PLOWED CABLE
(NOT TO SCALE)



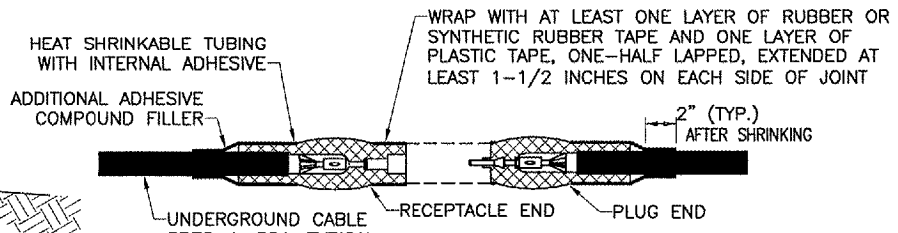
TAG DETAIL
(NOT TO SCALE)

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



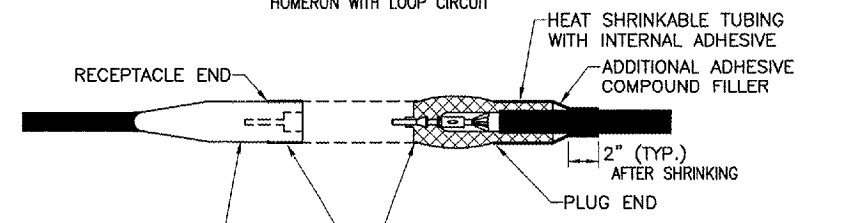
TYPE A

FOR SPLICES IN HOMERUNS FOR EXTENSIONS TO EXISTING CABLES ONLY



TYPE B

FOR SPLICES AT JUNCTION OF HOMERUN WITH LOOP CIRCUIT



TYPE C

FOR SPLICES AT RUNWAY LIGHTS

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

CABLE SPLICES
(NOT TO SCALE)

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 A.I.P. PROJ.: 3-17-0100-B7
 IL PROJ.: TAZ-3166

REV. Project No. 828-03RWYGD_0800	Scale	Date
Filename R-542ELE.DWG	NTS	12/5/03
LAYOUT	JMB	12/5/03
DRAWN	JMB	12/5/03
REVIEWED	CAH	xx/xx/xx



CONSTRUCT RUNWAY 9-27
 PROPOSED ELECTRICAL DETAILS

MAY 05, 2005 8:53 PM RAW I:\AIRPORTS\TYVILLE\B28-03RWYGD\AIRPORT\SHEETS\R-542ELE.DWG - ELECTRICAL DETAIL

GENERAL NOTES


1. THE ELECTRICAL INSTALLATION, AS A MINIMUM, SHALL MEET THE NATIONAL ELECTRICAL CODE AND LOCAL REGULATIONS.
2. THE CONTRACTOR SHALL ASCERTAIN THAT ALL LIGHTING SYSTEM COMPONENTS FURNISHED BY HIM, INCLUDING FAA APPROVED EQUIPMENT, ARE COMPATIBLE IN ALL RESPECTS WITH EACH OTHER AND THE REMAINDER OF THE NEW/EXISTING SYSTEM. ANY NONCOMPATIBLE COMPONENTS FURNISHED BY THIS CONTRACTOR SHALL BE REPLACED BY HIM AT NO ADDITIONAL COST TO THE AIRPORT SPONSOR WITH A SIMILAR UNIT, APPROVED BY THE ENGINEER (DIFFERENT MODEL OR DIFFERENT MANUFACTURE) THAT IS COMPATIBLE WITH THE REMAINDER OF THE AIRPORT LIGHTING SYSTEM.
3. IN CASE THE CONTRACTOR ELECTS TO FURNISH AND INSTALL AIRPORT LIGHTING EQUIPMENT REQUIRING ADDITIONAL WIRING, TRANSFORMERS, ADAPTERS, MOUNTINGS, ETC., TO THOSE SHOWN ON THE DRAWINGS AND/OR LISTED IN THE SPECIFICATION, ANY COST FOR THESE ITEMS SHALL BE INCIDENTAL TO THE EQUIPMENT COST.
4. THE CONTRACTOR INSTALLED EQUIPMENT (INCLUDING FAA APPROVED) SHALL NOT GENERATE ANY ELECTROMAGNETIC INTERFERENCE IN THE EXISTING AND/OR NEW COMMUNICATIONS, WEATHER, AIR NAVIGATION, AND AIR TRAFFIC CONTROL EQUIPMENT. ANY EQUIPMENT GENERATING SUCH INTERFERENCE SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST WITH THE EQUIPMENT MEETING THE APPLICABLE SPECIFICATIONS AND NOT GENERATING ANY INTERFERENCE.
5. WHEN A SPECIFIC TYPE, STYLE, CLASS, ETC. OF FAA APPROVED EQUIPMENT IS SPECIFIED ONLY THAT TYPE, STYLE, CLASS, WILL BE ACCEPTABLE, EVEN THOUGH EQUIPMENT OF OTHER TYPES STYLES, CLASSES, ETC. MAY BE APPROVED.
6. ANY AND ALL INSTRUCTIONS FROM THE ENGINEER TO THE CONTRACTOR REGARDING CHANGES IN OR DEVIATIONS FROM THE PLANS AND SPECIFICATIONS SHALL BE IN WRITING WITH COPIES SENT TO THE AIRPORT SPONSOR AND THE FAA FIELD OFFICE (ADO/AFO). THE CONTRACTOR SHALL NOT ACCEPT ANY VERBAL INSTRUCTIONS FROM THE RESIDENT ENGINEER REGARDING ANY CHANGES FROM THE PLANS AND SPECIFICATIONS.
7. A MINIMUM OF THREE COPIES OF THE INSTRUCTION BOOK SHALL BE SUPPLIED WITH EACH DIFFERENT TYPE OF EQUIPMENT. THE BOOKS DESCRIBING A MORE SOPHISTICATED TYPE OF EQUIPMENT, SUCH AS REGULATORS, PAPI, REIL, ETC. AS A MINIMUM SHALL CONTAIN THE FOLLOWING:
 - A. A DETAILED DESCRIPTION OF THE OVERALL EQUIPMENT AND ITS INDIVIDUAL COMPONENTS.
 - B. THEORY OF OPERATION INCLUDING THE FUNCTION OF EACH COMPONENT.
 - C. INSTALLATION INSTRUCTIONS.
 - D. START-UP INSTRUCTIONS.
 - E. PREVENTATIVE MAINTENANCE REQUIREMENTS.
 - F. CHART FOR TROUBLE-SHOOTING.
 - G. COMPLETE POWER AND CONTROL DETAILED WIRING DIAGRAM(S), SHOWING EACH CONDUCTOR/ CONNECTION/COMPONENT - "BLACK" BOXES ARE NOT ACCEPTABLE. THE DIAGRAM OF THE NARRATIVE SHALL SHOW VOLTAGE/CURRENTS/WAVE SHAPES AT STRATEGIC LOCATIONS TO BE USED WHEN CHECKING AND/OR TROUBLE-SHOOTING THE EQUIPMENT. WHEN THE EQUIPMENT HAS SEVERAL MODES OF OPERATION, SUCH AS SEVERAL BRIGHTNESS STEPS, THESE PARAMETERS SHALL BE INDICATED FOR ALL DIFFERENT MODES.
 - H. PARTS LIST WHICH WILL INCLUDE ALL MAJOR AND MINOR COMPONENTS SUCH AS RESISTORS, DIODES, ETC. IT SHALL INCLUDE A COMPLETE NOMENCLATURE OF EACH COMPONENT AND, IF APPLICABLE, THE NAME OF ITS MANUFACTURE AND THE CATALOG NUMBER.
 - I. SAFETY INSTRUCTIONS.

POWER AND CONTROL NOTES

1. STENCIL ALL ELECTRICAL EQUIPMENT TO IDENTIFY FUNCTION, CIRCUIT VOLTAGE AND PHASE. WHERE THE EQUIPMENT CONTAINS FUSES, ALSO STENCIL THE FUSE OR FUSE LINK AMPERE RATING. WHERE THE EQUIPMENT DOES NOT HAVE SUFFICIENT STENCILING AREA, THE STENCILING SHALL BE DONE ON THE WALL NEXT TO THE UNIT. THE LETTERS SHALL BE ONE INCH HIGH AND PAINTED IN WHITE OR BLACK TO PROVIDE THE HIGHEST CONTRAST WITH THE BACKGROUND.
2. COLOR CODE ALL PHASE WIRING BY THE USE OF COLORED WIRE INSULATION AND/OR COLORED TAPE. WHERE TAPE IS USED, THE WIRE INSULATION SHALL BE BLACK, BLACK AND RED SHALL BE USED FOR SINGLE-PHASE, THREE WIRE SYSTEMS AND BLACK, RED AND BLUE SHALL BE USED FOR THREE-PHASE SYSTEMS. NEUTRAL CONDUCTORS, SIZE NO. 6 AWG OR SMALLER, SHALL BE IDENTIFIED BY A CONTINUOUS WHITE OR NATURAL GRAY OUTER FINISH ALONG ITS ENTIRE LENGTH. NEUTRAL CONDUCTORS LARGER THAN NO. 6 AWG SHALL BE IDENTIFIED EITHER BY A CONTINUOUS WHITE OR NATURAL GRAY OUTER FINISH ALONG ITS ENTIRE LENGTH OR BY THE USE OF WHITE TAPE AT ITS TERMINATIONS AND INSIDE ACCESSIBLE WIREWAYS.
3. ALL BRANCH CIRCUIT CONDUCTORS CONNECTED TO A PARTICULAR PHASE SHALL BE IDENTIFIED WITH THE SAME COLOR. THE COLOR CODING SHALL BE EXTENDED TO THE POINT OF UTILIZATION.
4. IN CONTROL WIRING THE SAME COLOR SHALL BE USED THROUGHOUT THE SYSTEM FOR THE SAME FUNCTION, SUCH AS 10%, 30%, 100% BRIGHTNESS CONTROL, ETC.
5. LOW VOLTAGE (600 V.) AND HIGH VOLTAGE (5000 V.) CONDUCTORS SHALL BE INSTALLED IN SEPARATE WIREWAYS.
6. NEATLY LACE WIRING IN DISTRIBUTION PANELS, WIREWAYS, SWITCHES AND JUNCTION/PULL BOXES.
7. THE MINIMUM SIZE OF PULL/JUNCTION BOXES, REGARDLESS OF THE QUANTITY AND SIZE OF THE CONDUCTORS SHOWN, SHALL BE AS FOLLOWS:
 - A. IN STRAIGHT PULLS THE LENGTH OF THE BOX SHALL NOT BE LESS THAN EIGHT TIMES THE TRADE DIAMETER OF THE LARGER CONDUIT. THE TOTAL AREA (INCLUDING THE CONDUIT CROSS-SECTIONAL AREA) OF A BOX END SHALL BE AT LEAST 3 TIMES GREATER THAN THE TOTAL TRADE CROSS-SECTIONAL AREA OF THE CONDUITS TERMINATING AT THE END.
 - B. IN ANGLE PULLS OR 'U' PULLS THE DISTANCE BETWEEN EACH CONDUIT ENTRY INSIDE THE BOX AND THE OPPOSITE WALL OF THE BOX SHALL NOT BE LESS THAN SIX (6) TIMES THE TRADE DIAMETER OF THE LARGEST CONDUIT. THIS DISTANCE SHALL BE INCREASED FOR ADDITIONAL ENTRIES BY THE AMOUNT OF THE SUM OF THE DIAMETERS OF ALL OTHER CONDUIT ENTRIES ON THE SAME WALL AS THE BOX. THE DISTANCE BETWEEN CONDUIT ENTRIES ENCLOSING THE SAME CONDUCTOR SHALL NOT BE LESS THAN SIX TIMES THE TRADE DIAMETER OF THE LARGEST CONDUIT.
8. A RUN OF CONDUIT BETWEEN TERMINATIONS AT EQUIPMENT ENCLOSURES, SQUARE DUCTS AND PULL/JUNCTION BOXES, SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL), INCLUDING THOSE BENDS LOCATED IMMEDIATELY AT THE TERMINATIONS, CAST, CONDUIT TYPE OUTLETS SHALL NOT BE TREATED AS PULL/JUNCTION BOXES.
9. EQUIPMENT CABINETS SHALL NOT BE USED AS PULL/JUNCTION BOXES. ONLY WIRING TERMINATING AT THE EQUIPMENT SHALL BE BROUGHT INTO THESE ENCLOSURES.
10. SPLICES AND JUNCTION POINTS SHALL BE PERMITTED ONLY IN JUNCTION BOXES, DUCTS EQUIPPED WITH REMOVABLE COVERS, AND AT EASILY ACCESSIBLE LOCATIONS.
11. CIRCUIT BREAKERS IN POWER DISTRIBUTION PANEL(S) SHALL BE THERMAL-MAGNETIC MOLDED CASE, PERMANENT TRIP WITH 100 AMPERE, MINIMUM FRAME.
12. DUAL LUGS SHALL BE USED WHERE TWO (2) WIRES, SIZE NO. 6 OR LARGER, ARE TO BE CONNECTED TO THE SAME TERMINAL.

13. ALL WALL MOUNTED EQUIPMENT ENCLOSURES SHALL BE MOUNTED ON WOODEN MOUNTING BOARDS, AND/OR GALVANIZED STEEL STRUT SUPPORT.
14. WOODEN EQUIPMENT MOUNTING BOARDS SHALL BE PLYWOOD, EXTERIOR TYPE, 3/4 INCH, MINIMUM, THICKNESS, BOTH SIDES PAINTED WITH ONE COAT OF PRIMER AND TWO COATS OF GRAY OIL-BASED PAINT.
15. RIDGID STEEL CONDUIT SHALL BE USED THROUGHOUT THE INSTALLATION UNLESS OTHERWISE SPECIFIED. THE MINIMUM TRADE SIZE SHALL BE 3/4 INCH.
16. ALL RIGID CONDUIT SHALL BE TERMINATED AT CONSTANT CURRENT REGULATORS WITH A SECTION (10" MINIMUM) OF FLEXIBLE CONDUIT.
17. UNLESS OTHERWISE SHOWN, ALL EXPOSED CONDUITS SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES WITH THE LINES OF THE STRUCTURE.
18. ALL STEEL CONDUITS, FITTINGS, NUTS, BOLTS, ETC. SHALL BE GALVANIZED.
19. USE CONDUIT BUSHINGS AT EACH CONDUIT TERMINATION. WHERE NO. 4 AWG OR LARGER UNDERGROUND WIRE IS INSTALLED, USE INSULATED BUSHINGS.
20. USE DOUBLE LOCK NUTS AT EACH CONDUIT TERMINATION.
21. WRAP ALL PRIMARY AND SECONDARY POWER TRANSFORMER CONNECTIONS WITH SUFFICIENT LAYERS OF INSULATING TAPE AND COVER WITH INSULATING VARNISH FOR FULL VALUE OF CABLE INSULATION VOLTAGE.
22. UNLESS OTHERWISE NOTED, ALL INDOOR SINGLE CONDUCTOR CONTROL WIRING SHALL BE NO. 12 AWG.
23. THE FOLLOWING SHALL APPLY TO RELAY/CONTACTOR PANELS/ENCLOSURES:
 - A. ALL COMPONENTS SHALL BE MOUNTED IN DUST PROOF ENCLOSURE(S) WITH VERTICALLY HINGED COVERS.
 - B. THE ENCLOSURE(S) SHALL HAVE AMPLE SPACE FOR THE CIRCUIT COMPONENTS, TERMINAL BLOCKS AND INCOMING AND INTERNAL WIRING.
 - C. ALL CONTROL CONDUCTOR TERMINATIONS SHALL BE OF THE OPEN-EYE CONNECTOR/SCREW TYPE. SOLDERED CLOSED-EYE TERMINATIONS, OR TERMINATIONS WITHOUT CONNECTORS ARE NOT ACCEPTABLE.
 - D. WHEN THE ENCLOSURE COVER IS OPENED, ALL CIRCUIT COMPONENTS, WIRING AND TERMINALS SHALL BE EXPOSED AND ACCESSIBLE WITHOUT REMOVAL OF ANY PANELS, COVERS, ETC., EXCEPT THOSE COVERING HIGH VOLTAGE COMPONENTS.
 - E. ACCESS TO, OR REMOVAL OF A CIRCUIT COMPONENT OR TERMINAL BLOCK WILL NOT REQUIRE THE REMOVAL OF ANY OTHER CIRCUIT COMPONENT OR TERMINAL BLOCK.
 - F. EACH CIRCUIT COMPONENT SHALL BE CLEARLY IDENTIFIED INDICATING ITS CORRESPONDING NUMBER SHOWN ON THE DRAWINGS AND ITS FUNCTION.
 - G. A COMPLETE WIRING DIAGRAM (SCHEMATIC DIAGRAM) SHALL BE MOUNTED ON THE INSIDE OF THE COVER. THE DIAGRAM SHALL REPRESENT EACH CONDUCTOR BY A SEPARATE LINE.
 - H. THE DIAGRAM SHALL IDENTIFY EACH CIRCUIT COMPONENT AN NUMBERING AND COLOR OF EACH TERMINAL CONDUCTOR AND TERMINAL.
 - I. ALL WIRING SHALL BE NEATLY TRAINED AND LACED.
 - J. MINIMUM WIRE SIZE SHALL BE NO. 12 AWG.

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	BY	REVISION	DATE		
TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, ILLINOIS					
ILL. PROJ.: TAZ-3166 A.I.P. PROJ.: J-17-0100-B7					
HELL Project No. 828-03RWY\G0_0800 Drawings R-543ELE.DWG Scale NTS Date 12/5/03		LAYOUT 12/5/03 DRAWN JMB REVIEWED CAH			
 Hanson Professional Services Inc. 1625 South Sixth Street Springfield, Illinois 62703-2868 Offices Nationwide					
CONSTRUCT RUNWAY 9-27 PROPOSED ELECTRICAL NOTES					
54 54 of 127 sheets					

FIELD LIGHTING NOTES

1. UNLESS OTHERWISE NOTED, ALL UNDERGROUND FIELD POWER MULTIPLE AND SERIES CIRCUIT CONDUCTORS WHETHER DEB OR IN DUCT/CONDUIT SHALL BE FAA APPROVED L-824 TYPE. INSULATION VOLTAGE AND SIZE SHALL BE AS SPECIFIED.
2. NO COMPONENTS OF PRIMARY CIRCUIT SUCH AS CABLE, CONNECTORS AND TRANSFORMERS SHALL BE BROUGHT ABOVE GROUND AT EDGE LIGHTS, SIGNS, REIL, PAPI, ETC.
3. THERE SHALL BE NO EXPOSED POWER/CONTROL CABLES BETWEEN THE POINT WHERE THEY LEAVE THE UNDERGROUND (DEB OR L-867 BASES) AND WHERE THEY ENTER THE EQUIPMENT (SUCH AS TAXIWAY SIGNS, PAPI, REIL, ETC.) ENCLOSURES. THESE CABLES SHALL BE ENCLOSED IN RIGID CONDUIT OR IN FLEXIBLE, WATERTIGHT CONDUIT WITH BREAKABLE COUPLING(S) AT THE GRADE OR THE HOUSING COVER, AS SHOWN IN APPLICABLE DETAILS.
4. THE JOINTS OF THE L-823 PRIMARY CONNECTORS SHALL BE WRAPPED WITH AT LEAST ONE LAYER OF RUBBER OR SYNTHETIC RUBBER TAPE AND ONE LAYER OF PLASTIC TAPE, ONE-HALF LAPPED, EXTENDING AT LEAST 1-1/2 INCHES ON EACH SIDE OF THE JOINT, AS SHOWN ON SHEET NO. 21.
5. THE CABLE ENTRANCE INTO THE FIELD-ATTACHED L-823 CONNECTORS SHALL BE ENCLOSED BY A HEAT-SHRINKABLE TUBING WITH CONTINUOUS INTERNAL ADHESIVE, AS SHOWN ON SHEET NO. 21.
6. L-823 TYPE II, TWO-CONDUCTOR SECONDARY CONNECTORS SHALL BE CLASS 'A' (FACTORY MOLDED).
7. THERE SHALL BE NO SPLICES IN THE SECONDARY CABLE(S) WITHIN THE STEMS OF A RUNWAY/TAXIWAY EDGE/THRESHOLD LIGHTING FIXTURE AND THE WIREWAYS LEADING TO TAXIWAY SIGNS AND PAPI/REIL EQUIPMENT.
8. ELECTRICAL INSULATING GREASE SHALL BE APPLIED WITHIN THE L-823, SECONDARY, TWO CONDUCTOR CONNECTORS TO PREVENT WATER ENTRANCE. THESE CONNECTORS SHALL NOT BE TAPED.
9. DEB ISOLATION TRANSFORMERS SHALL BE BURIED AT A DEPTH OF TEN (10") INCHES ON A LINE CROSSING THE LIGHT AND PERPENDICULAR TO THE RUNWAY/TAXIWAY CENTERLINE AT A LOCATION TWELVE (12") INCHES FROM THE LIGHT OPPOSITE FROM THE RUNWAY/TAXIWAY.
10. A SLACK OF THREE (3') FEET, MINIMUM, SHALL BE PROVIDED IN THE PRIMARY CABLE AT EACH TRANSFORMER/CONNECTOR TERMINATION. AT STAKE-MOUNTED LIGHTS, THE SLACK SHALL BE LOOSELY COILED IMMEDIATELY BELOW THE ISOLATION TRANSFORMER.
11. DIRECTION OF PRIMARY CABLES SHALL BE IDENTIFIED BY COLOR CODING AS FOLLOWS: WHEN FACING LIGHT WITH BACK TO PAVEMENT, CABLE TO THE LEFT IS CODED RED AND CABLE TO RIGHT IS CODED BLUE. THIS APPLIES TO STAKE MOUNTED LIGHTS AND BASE MOUNTED LIGHTS WHERE THE BASE HAS ONLY ONE ENTRANCE.
12. L-867 BASES SHALL BE SIZE B, 24" DEEP, CLASS I, UNLESS OTHERWISE NOTED.
13. BASE MOUNTED BREAKABLE COUPLINGS SHALL NOT HAVE WEEP HOLES TO THE OUTSIDE. PLUGGED UP HOLES SHALL NOT BE ACCEPTABLE. IT SHALL BE A 1/4" DIAMETER, MINIMUM, OR EQUIVALENT OPENING FOR DRAINAGE FROM THE SPACE AROUND THE SECONDARY CONNECTOR INTO THE L-867 BASE.
14. THE ELEVATION OF THE BREAKABLE COUPLING GROOVE SHALL NOT EXCEED 1-1/2" ABOVE THE EDGE OF THE COVER IN CASE OF BASE MOUNTED COUPLINGS, OR THE TOP OF THE STAKE IN CASE OF STAKE MOUNTED COUPLINGS.

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

GROUNDING NOTES

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

DATE	REVISION	BY

**TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS**

A.I.P. PROJ.: 3-17-0100-87
IL. PROJ.: TAZ-3166

I.E. Project No. 828-03RWYCD 0800 Filename R-544ELE.DWG Scale NTS Date 12/5/03	12/5/03 12/5/03 xx/xx/xx
LAYOUT JMB DRAWN JMB REVIEWED CAH	



**CONSTRUCT
RUNWAY 9-27**

**PROPOSED
ELECTRICAL
NOTES**

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

NOTE:
THE COST OF ALL TURF AND PAVEMENT DUCT MARKERS SHALL BE INCIDENTAL TO THE DUCT. THE COST OF ALL CABLE MARKERS SHALL BE INCIDENTAL TO THE CABLE.

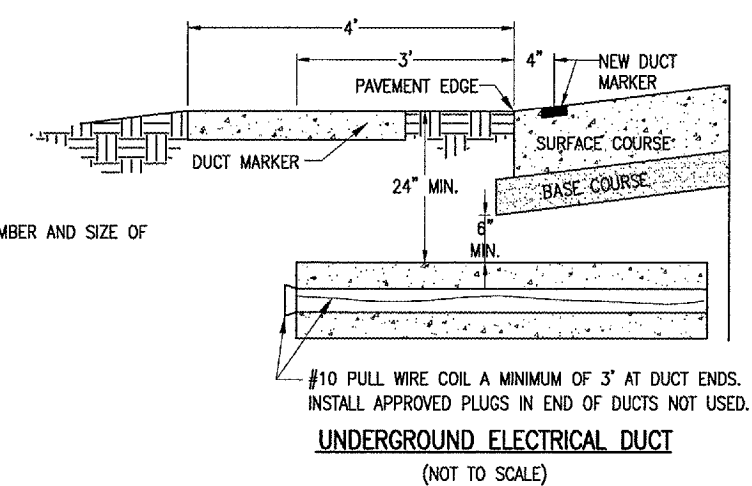
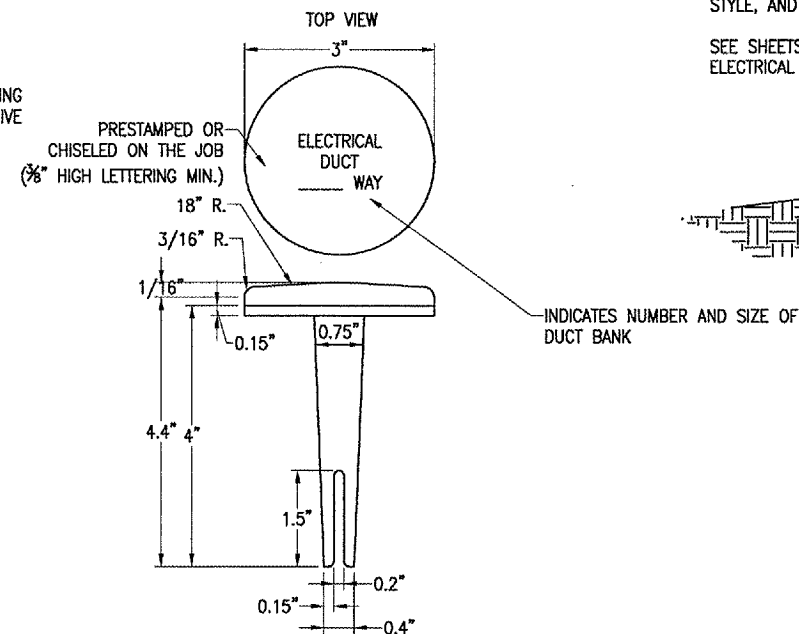
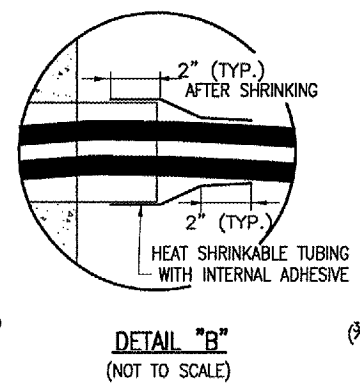
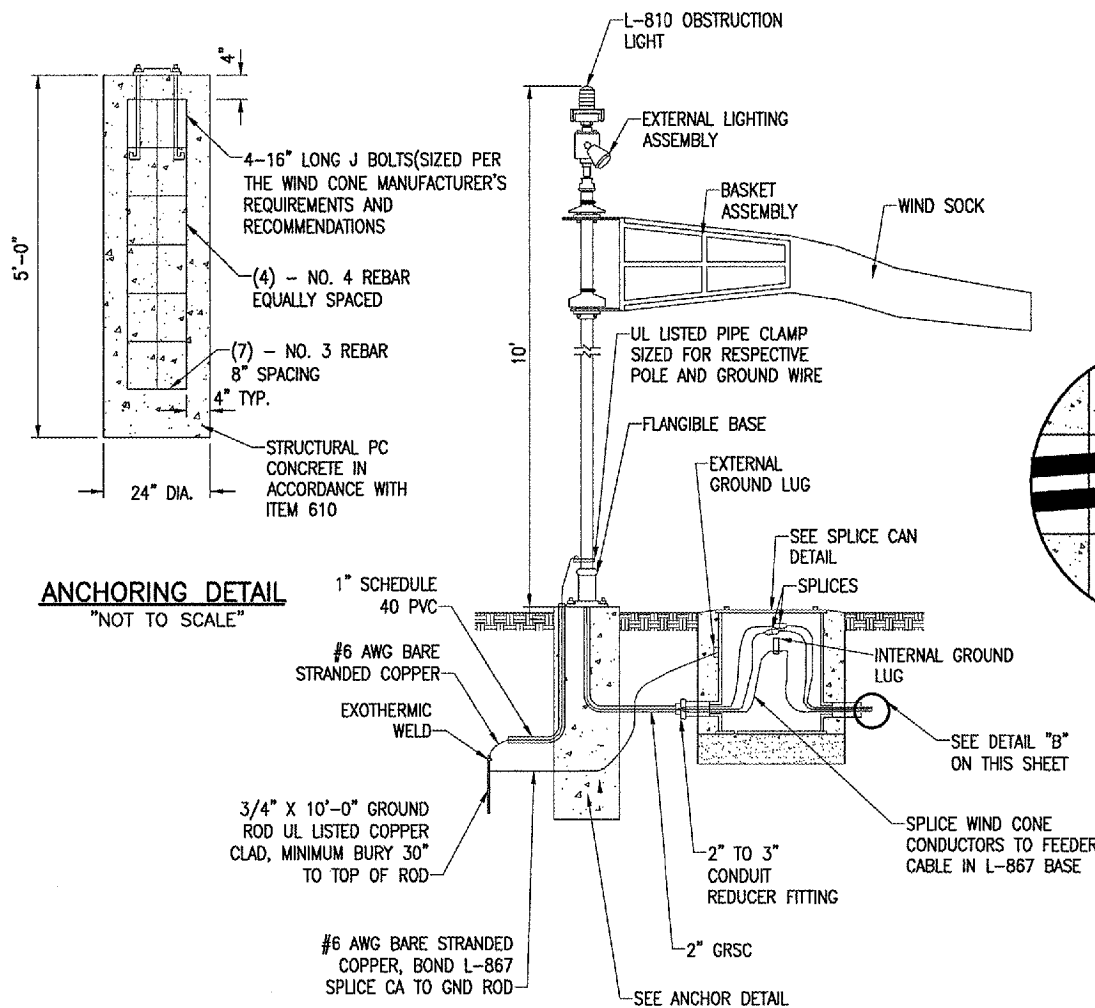
BITUMINOUS PAVEMENT DUCT MARKER AND CONCRETE DUCT MARKER TO BE PROVIDED AT EACH END OF EACH DUCT AS SHOWN ON THE LOCATION PLAN. FOR CONCRETE PAVEMENT, THE LETTER "D" SHALL BE IMPRESSED IN THE PAVEMENT INSTEAD OF THE MARKER. THE LETTER SHALL BE IMPRESSED AS DESCRIBED IN NOTE 4.

CABLE MARKERS SHALL BE PLACED AT CHANGES OF DIRECTION AND EVERY 200' ALONG CABLE RUNS.

LETTERS 4" HIGH, 3" WIDE WITH WIDTH OF STROKE 1/2" AND 1/4" DEEP. ALL LETTERS, NUMBERS AND ARROWS TO BE IMPRESSED.

GENERAL NOTES
SEE LIGHTING LAYOUT SHEET FOR SIGN LEGEND, LOCATION, TYPE, SIZE, STYLE, AND CLASS.

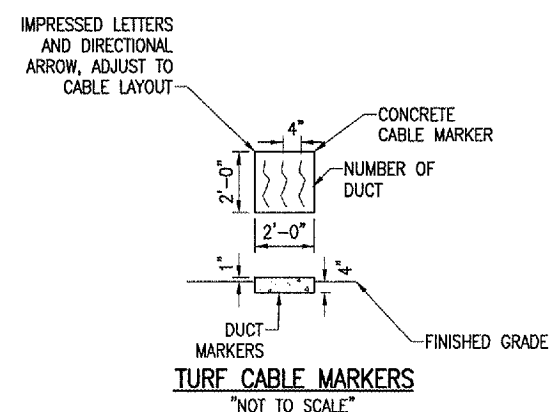
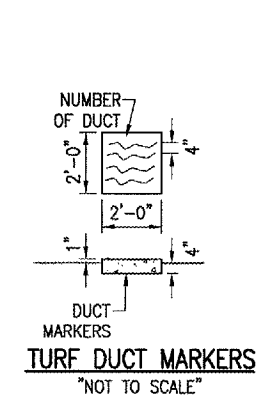
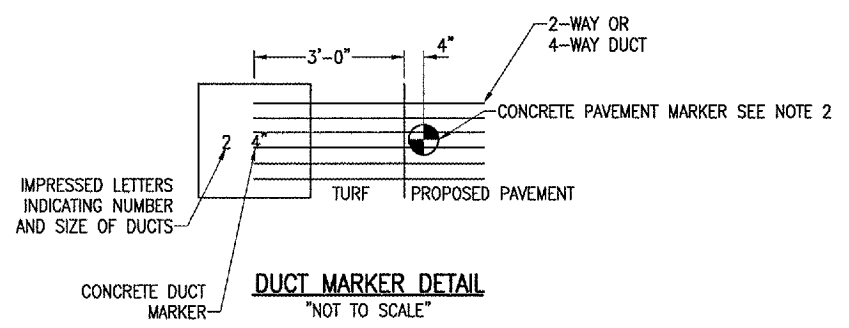
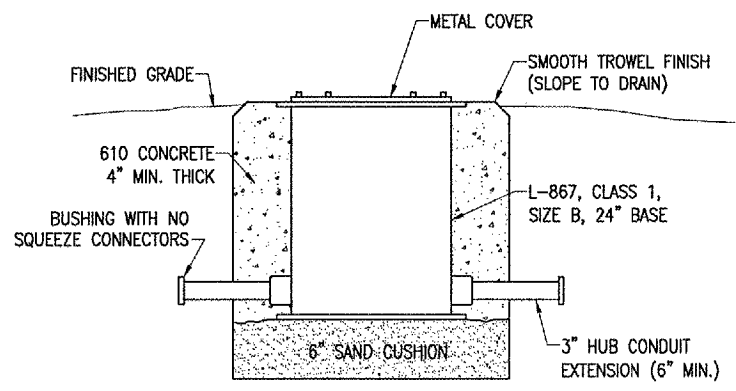
SEE SHEETS 16 THROUGH 17 FOR ELECTRICAL NOTES



EXTERNALLY LIGHTED L806 WIND CONE
"NOT TO SCALE"

NOTE:
WIND CONE SHALL ALSO INCLUDE INTERNAL LIGHTING OPTION

NOTE:
TOP OF MARKER SHALL BE FLUSH WITH FINISHED PAVEMENT SURFACE. MARKER MAY BE INSTALLED IN A DRILLED HOLE AND SECURED WITH EPOXY GLUE.



REVISION	DATE	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

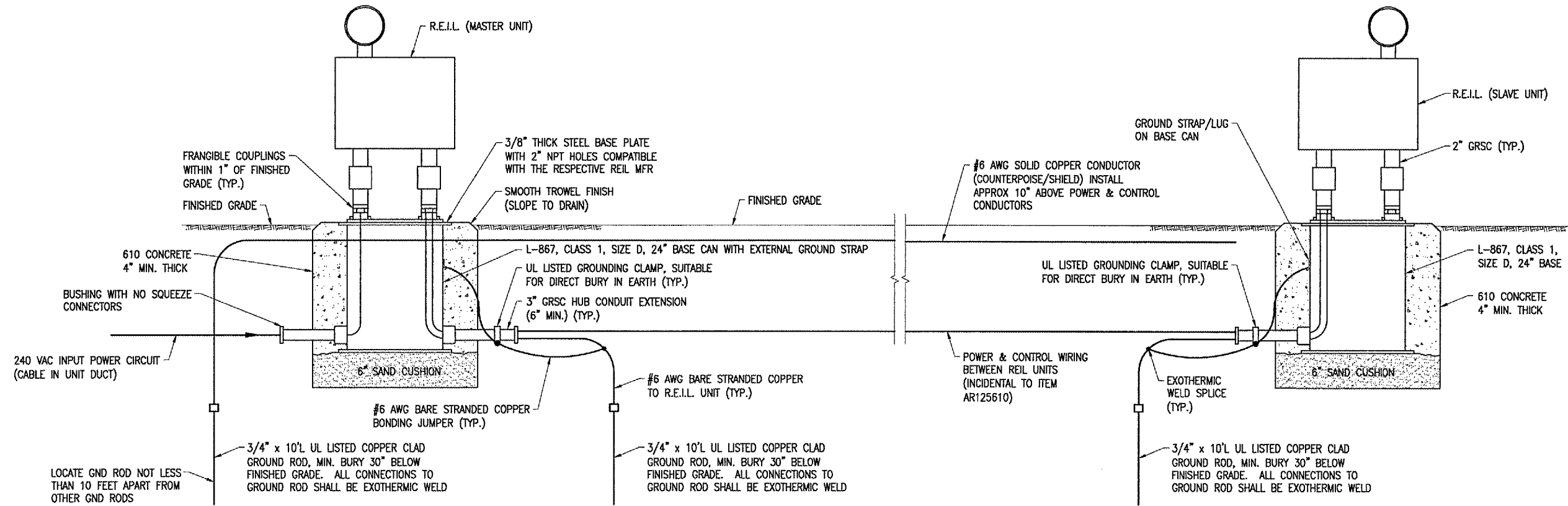
IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

FILED	PROJECT NO.	DATE
R-549ELE.DWG	828-03RWYGD.0800	02/18/05
NOT TO SCALE		03/11/05
DATE		03/28/05
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CONSTRUCT RUNWAY 9-27
WIND CONE ELEVATION DETAIL

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REIL INSTALLATION DETAIL
NOT TO SCALE

NOTES

1. VERIFY INSTALLATION & WIRING REQUIREMENTS WITH THE RESPECTIVE REIL MANUFACTURER.
2. REILS SHALL BE AIMED AT ANGLE 10 DEGREES VERTICALLY AND TOED OUT 15 DEGREES FROM THE LINE PARALLEL TO THE RUNWAY CENTERLINE.
3. REILS SHALL BE PAID FOR UNDER ITEM AR125610.

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0100-87
I.L. PROJ.: TAZ-3166

FILE PROJECT No. 828-03RWYGD_0800	FILE No. E-503.DWG	SCALE NONE	DATE 04/22/05
LAYOUT	KNL	02/03/05	
DRAWN	MV	02/03/05	
REVIEWED	CAH	02/03/05	

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Hanson Professional Services Inc.
1925 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONSTRUCT
RUNWAY 9-27
REIL INSTALLATION
DETAIL

APR 22, 2005 11:27 AM RAW
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NOTE

THE PROPOSED P.L.A.S.I. UNITS WILL BE LOCATED AT 80' LT. STA. 104+75 AND 80' RT. STA. 130+25 ALONG RUNWAY 9/27

THE PROPOSED P.L.A.S.I. CONCRETE BASES WILL BE CONSTRUCTED AS SHOWN IN THE DETAIL ON THIS SHEET.

THE CONCRETE FOR THE PROPOSED P.L.A.S.I. BASES WILL BE CLASS "X" AS SPECIFIED BY I.D.O.T.

THE POWER CABLES WILL BE NO. 6 600 V., 3/C, TYPE C UNDERGROUND CABLE IN UNIT DUCT.

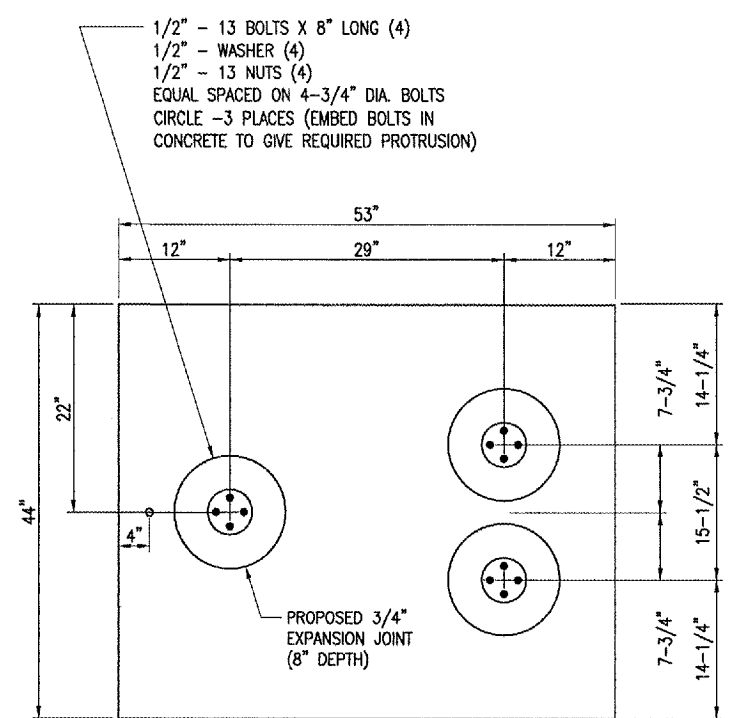
THE POWER CABLES WILL BE PLACED A MINIMUM OF 24" BELOW THE FINISHED GRADE AND LOCATED AS SHOWN ON SHEET NOS. 49, 50, & 51.

THE PROPOSED POWER CABLES WILL BE CONNECTED TO A POWER SOURCE INSIDE THE PROPOSED VAULT. WIRE ALL PROPOSED EQUIPMENT IN ACCORDANCE WITH THE SCHEMATIC WIRING DIAGRAM.

THE PROPOSED P.L.A.S.I. UNITS WILL BE AS MANUFACTURED BY DEVORE AVIATION CORPORATION, CAT. NO. DA500100 P.L.A.S.I., OR APPROVED EQUAL.

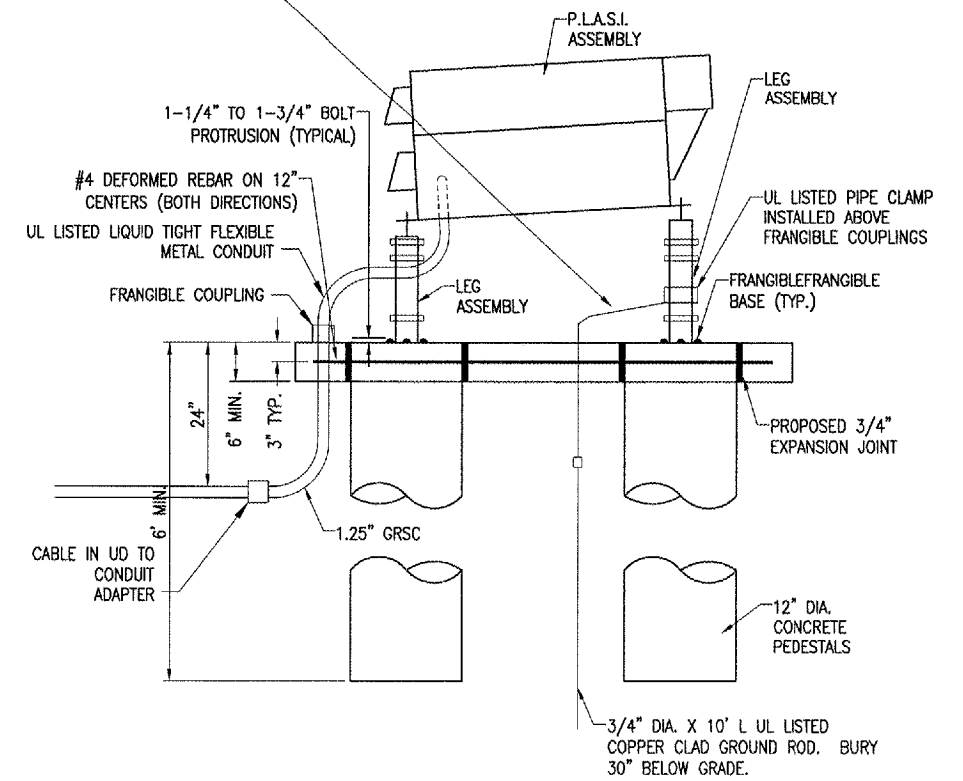
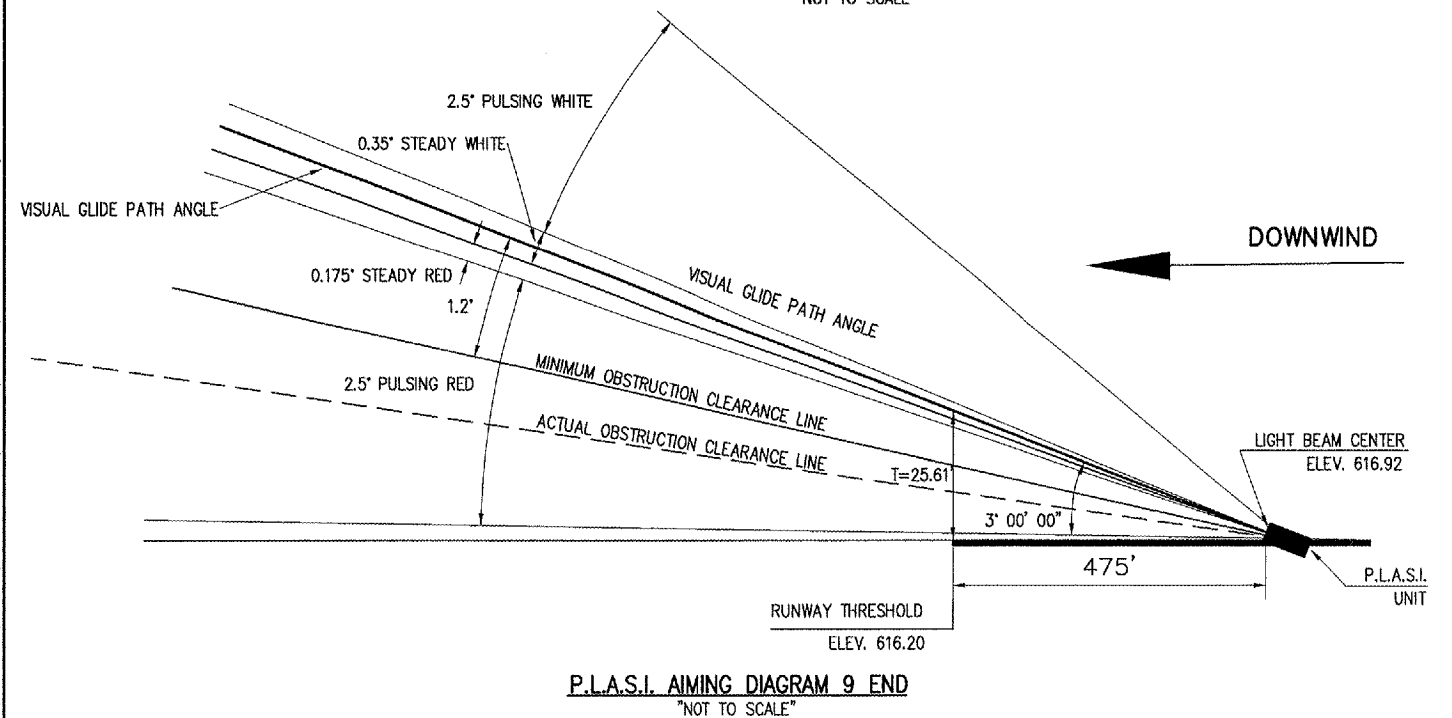
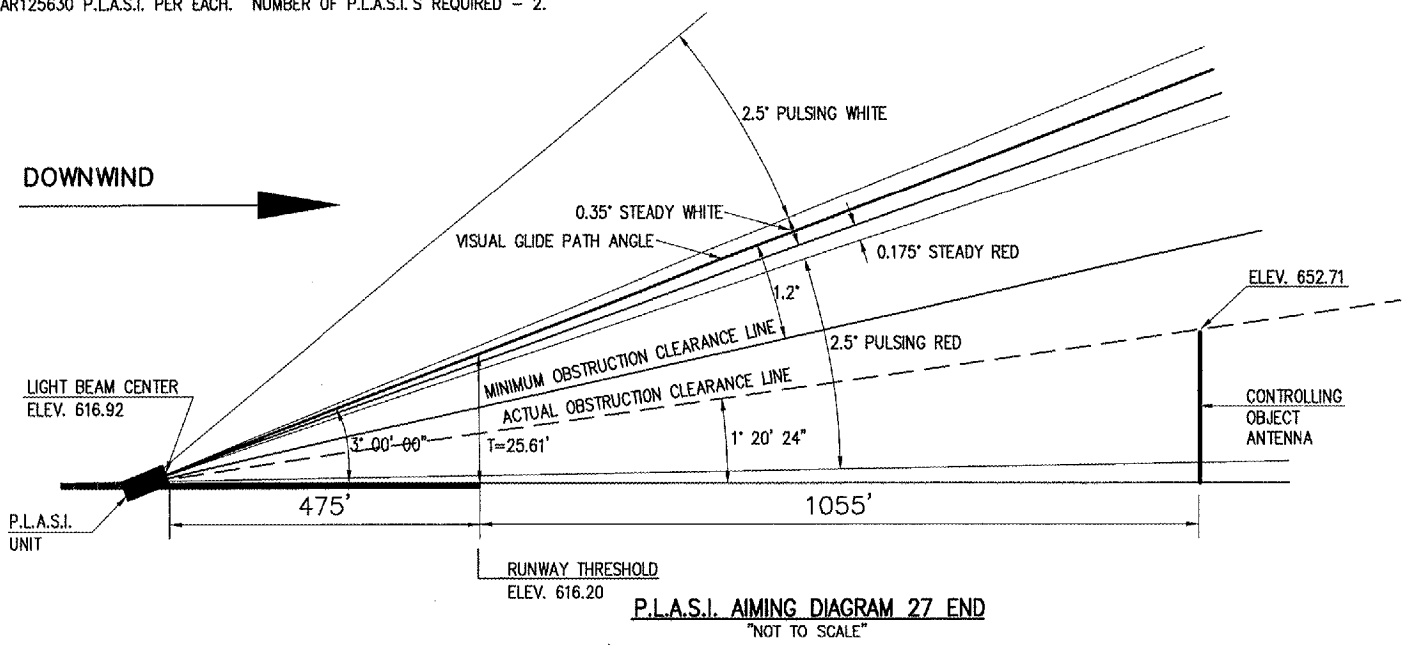
THE CONTRACTOR WILL BE REQUIRED TO INSTALL A BUCK-BOOST TRANSFORMER FOR RUNWAY 27 P.L.A.S.I. UNIT. THE CONTRACTOR WILL INSTALL THE PROPER SIZE BUCK-BOOST TRANSFORMER TO PROVIDE THE MANUFACTURER'S RECOMMENDED VOLTAGE AT THE P.L.A.S.I. UNIT. THE CONTRACTOR WILL BE REQUIRED TO INSTALL A STEP/UP STEP/DOWN TRANSFORMER FOR RUNWAY 9 P.L.A.S.I. UNITS IN ACCORDANCE WITH THESE PLANS & SPECIFICATIONS.

INSTALLATION OF THE P.L.A.S.I. UNITS, P.L.A.S.I. BASES AND ALL INCIDENTALS WILL BE PAID FOR UNDER ITEM: AR125630 P.L.A.S.I. PER EACH. NUMBER OF P.L.A.S.I.'S REQUIRED - 2.



NOTE
VERIFY ALL DIMENSIONS AND LAYOUT WITH THE PLASI MANUFACTURER

#6 AWG BARE STRANDED COPPER GROUNDING ELECTRODE CONDUCTOR. CONNECT TO PLASI HOUSING PER THE PLASI MANUFACTURER RECOMMENDATION OR TO PLASI LEG WITH PIPE CLAMP. VERIFY METHOD OF CONNECTION WITH PLASI MANUFACTURER. CONNECT TO GROUND ROD WITH EXOTHERMIC WELD.



REVISION	DATE	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ: TAZ-3166 A.I.P. PROJ: 3-17-0100-B7

FILE	DATE	BY	REVIEWED
RAW	02/14/05	CAH	xx/xx/xx
BAK	02/14/05		



CONSTRUCT RUNWAY 9-27
PROPOSED PLASI DETAILS & NOTES

MAY 05, 2005 8:42 PM RAW I:\AIRPORTS\TAYLORVILLE\828-03RWY\GD\AIRPORT\SHSHEETS\R-54BELE.DWG - Layout1

ELECTRICAL LEGEND - ONE-LINE DIAGRAM

	CABLE TERMINATOR/LUG
	TRANSFORMER
	DISCONNECT SWITCH
	FUSIBLE DISCONNECT SWITCH
	CIRCUIT BREAKER
	THERMAL MAGNETIC CIRCUIT BREAKER
	FUSE
	TRANSIENT VOLTAGE SURGE SUPPRESSOR OR SURGE PROTECTOR DEVICE
	GROUND - GROUND ROD, GROUNDING ELECTRODE, OR AT EARTH POTENTIAL
	INDICATING LIGHT
	MOTOR
	LOAD, MOTOR, # = HORSEPOWER
	ELECTRIC UTILITY METER BASE
	JUNCTION BOX WITH SPLICE
	EQUIPMENT, XXX = DEVICE DESCRIPTION
	GROUND BUS OR TERMINAL
	NEUTRAL BUS
	PANELBOARD WITH MAIN LUGS
	PANELBOARD WITH MAIN BREAKER
	FUSE PANEL WITH MAIN FUSE PULLOUT
	DUPLEX RECEPTACLE 120V SINGLE PHASE GROUNDING TYPE
	CONTROL STATION
	TRANSFER SWITCH
	ENGINE GENERATOR SET

ELECTRICAL LEGEND - SCHEMATIC

	NORMALLY OPEN (N.O.) CONTACT
	NORMALLY CLOSED (N.C.) CONTACT
	STARTER COIL, * = STARTER NUMBER
	OVERLOAD RELAY CONTACT
	CONTROL RELAY, * = CONTROL RELAY NUMBER
	RELAY, * = RELAY NUMBER
	TOGGLE SWITCH / 2 POSITION SWITCH
	2-POSITION SELECTOR SWITCH
	3-POSITION SELECTOR SWITCH (H-O-A SHOWN)
	2 POLE DISCONNECT SWITCH
	3 POLE DISCONNECT SWITCH
	PHOTOCELL
	TERMINAL BLOCK, * = TERMINAL NUMBER
	DEVICE TERMINAL, * = DEVICE TERMINAL NUMBER
	INTERNAL PANEL WIRING
	FIELD WIRING
	FUSE
	GROUND BUS OR TERMINAL
	NEUTRAL BUS
	GROUND, GROUND ROD
	INDUSTRIAL CONTROL RELAY OR LIGHTING CONTACTOR
	CCR S1 CUTOUT HANDLE REMOVED
	CCR S1 CUTOUT HANDLE INSERTED
	N.O. THERMAL SWITCH
	N.C. THERMAL SWITCH

ELECTRICAL ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
A, AMP	AMPERES
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CR	CONTROL RELAY
CU	COPPER
DPOT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EP	EXPLOSION PROOF
ES	EMERGENCY STOP
ETM	ELAPSE TIME METER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
GRSC	GALVANIZED RIGID STEEL CONDUIT
HID	HIGH INTENSITY DISCHARGE
HOA	HAND OFF AUTOMATIC
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
J	JUNCTION BOX
KVA	KILOVOLT AMPERE(S)
KW	KILOWATTS
LC	LIGHTING CONTACTOR
LTFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT (UL LISTED)
LP	LIGHTING PANEL
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCM	THOUSAND CIRCUIT MIL
MDP	MAIN DISTRIBUTION PANEL
MH	METAL HALIDE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OHE	OVERHEAD ELECTRIC
OL	OVERLOAD
PB	PULL BOX
PC	PHOTO CELL
PDB	POWER DISTRIBUTION BLOCK
PNL	PANEL

ELECTRICAL ABBREVIATIONS (CONTINUED)

RCPT	RECEPTACLE
R	RELAY
S	STARTER
SPD	SURGE PROTECTION DEVICE
SPST	SINGLE POLE SINGLE THROW
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UG	UNDERGROUND
UGE	UNDERGROUND ELECTRIC
V	VOLTS
W/	WITH
W/O	WITHOUT
WP	WEATHER PROOF
XFER	TRANSFER
XFMR	TRANSFORMER

AIRPORT EQUIPMENT ABBREVIATIONS

CCR	CONSTANT CURRENT REGULATOR
MIRL	MEDIUM INTENSITY RUNWAY LIGHT
MTL	MEDIUM INTENSITY TAXIWAY LIGHT
NDB	NON-DIRECTIONAL BEACON
PAPI	PRECISION APPROACH PATH INDICATOR
PLASI	PULSE LIGHT APPROACH SLOPE INDICATOR
REIL	RUNWAY END IDENTIFIER LIGHT
VASI	VISUAL APPROACH SLOPE INDICATOR
WC	WIND CONE

ELECTRICAL LEGEND - PLANS

	CONDUIT (EXPOSED)
	CONDUIT OR UNIT DUCT (CONCEALED OR BURIED)
	DUCT
	BURIED/UNDERGROUND ELECTRIC
	UNDERGROUND ELECTRIC
	OVERHEAD ELECTRIC
	POLE MOUNTED HID FIXTURE
	DUPLEX CONVENIENCE RECEPTACLE, 120V, SINGLE PHASE, GROUNDING TYPE, 48\"/>
	WALL OR CEILING M'T'D. JUNCTION BOX, CONFIGURATION VARIES WITH USE
	SINGLE THROW DISCONNECT SWITCH
	SINGLE THROW, FUSIBLE DISCONNECT SWITCH
	ENCLOSED CIRCUIT BREAKER
	CONTROL PANEL
	MOTOR, ESTIMATED H.P. AS INDICATED.
	MOTOR
	TRANSFORMER
	ELECTRIC UTILITY METER
	ENCLOSURE
	CIRCUIT BREAKER PANEL-SEE SCHEDULES
	GROUND ROD
	LONG SLASHES INDICATE NEUTRAL, SHORT SLASHES INDICATE HOT OR SWITCHED LEG. G = SEPARATE GROUND WIRE.
	HOME RUN TO PANEL PNL A INDICATES PANEL 1,3,5 INDICATES CIRCUIT NUMBERS
	SINGLE POLE SWITCH
	FRACTIONAL HP STARTER
	CONTACTOR
	SURFACE MOUNTED OR CHAIN HUNG FLUORESCENT FIXTURE
	WALL OR CEILING M'T'D. INCANDESCENT OR HID FIXTURE.

NOTES:

- ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 (MOST CURRENT ISSUE IN FORCE), THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, ETL LISTING (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
- CONTRACTOR SHALL COORDINATE WORK AND ANY POWER OUTAGES WITH THE RESPECTIVE FACILITY OWNER PERSONNEL AND THE AIRPORT MANAGER.
- COLOR CODE PHASE AND NEUTRAL CONDUCTOR INSULATION FOR NO. 6 AWG OR SMALLER. PROVIDE COLORED INSULATION OR COLORED MARKING TAPE FOR PHASE AND NEUTRAL CONDUCTORS FOR NO. 4 AWG AND LARGER. INSULATED GROUND CONDUCTORS SHALL HAVE GREEN COLORED INSULATION FOR ALL CONDUCTOR AWG AND/OR KCMIL. STANDARD COLORS FOR POWER WIRING AND BRANCH CIRCUITS SHALL BE AS FOLLOWS:

120/240 VAC, 1 PHASE, 3 WIRE
 PHASE A BLACK
 PHASE B RED
 NEUTRAL WHITE
 GROUND GREEN

REVISED	
DATE	
BY	

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

PROJECT NO.	828-03RWYGD-0800
REFERENCE	E-001.DWG
SCALE	NONE
DATE	04/22/05
LAYOUT	KNL 02/03/05
DRAWN	MV 02/03/05
REVIEWED	CAH 02/03/05



CONSTRUCT
RUNWAY 9-27
ELECTRICAL LEGEND
AND ABBREVIATIONS

120 VAC POWER & CONTROL
CIRCUITS TO NORTH GATE
OPERATOR

REMOTE PHOTO CELL
BY-PASS SWITCH

240 VAC, 200 AMP, 2 POLE
FUSIBLE SAFETY SWITCH THAT
FEEDS THE VAULT

EXISTING UTILITY
TRANSFORMER AND
SWITCH GEAR

2/C #8 USE
(120 VAC CIRCUIT)
TO RWY 18 REILS

2/C #4 USE (120 VAC CIRCUIT)
TO RWY 18 PLASI &
RWY 36 PLASI

3/C #2/0 EP GEOPRENE
ALUMINUM CONDUCTORS
(120/240 VAC FEEDER TO VAULT)

L-854 RADIO RECEIVER
ANTENNA CABLE

LEGEND

- EXISTING IMPROVEMENTS/PAVEMENTS
- EXISTING BUILDINGS
- EXISTING ELECTRICAL DUCT
- EXISTING UNDERGROUND ELECTRICAL CABLE
- EXISTING BEACON
- EXISTING FENCE
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING TELEPHONE LINE

ADMINISTRATION
BUILDING

OFFICE AREA

REMOTE PHOTOCELL BY-PASS
SWITCH CONTROL CIRCUIT
WIRING

HANGAR AREA

GAS
METER

FEEDER CIRCUIT
BETWEEN
BUILDINGS

EXISTING
ELECTRICAL DUCT

AIRPORT
ELECTRICAL VAULT

CORPORATE HANGAR

EXISTING 4"
GRSC DUCT

CARD
READER

2/C #8 USE
(240 VAC CIRCUIT)

APRON
FLOODLIGHT

OLD ADMINISTRATION
HANGAR BUILDING

CARD READER
CONTROL CIRCUIT

RWY 18-36 AND
TAXIWAY LIGHTING HOME
RUN CIRCUITS

SLIDE
GATE

SOUTH GATE
OPERATOR

OLD ROUTE 48

CULTIVATED/FARMED
FIELD

2 #8 USE
(120 VAC CIRCUIT)

FEEDER CIRCUIT
TO T-HANGARS

3/C #6 USE
(120 VAC CIRCUIT WITH
PARALLEL PHASE CONDUCTORS)

TO NDB CONTROL PANEL
APPROXIMATELY 335'
EAST OF THE AIRPORT
ROTATING BEACON

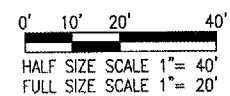
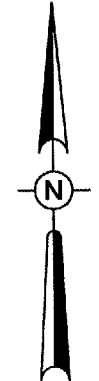
ELECTRICAL
DUCT

2/C #8 USE
(120 VAC CIRCUIT)

AIRPORT ROTATING
BEACON

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.



EXISTING AIRPORT VAULT PLAN

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I:\AIRPORTS\TAYLORVILLE\828-03RWYGD\AIRPORT SHEETS\R-142ELE.DWG - SITE PLAN

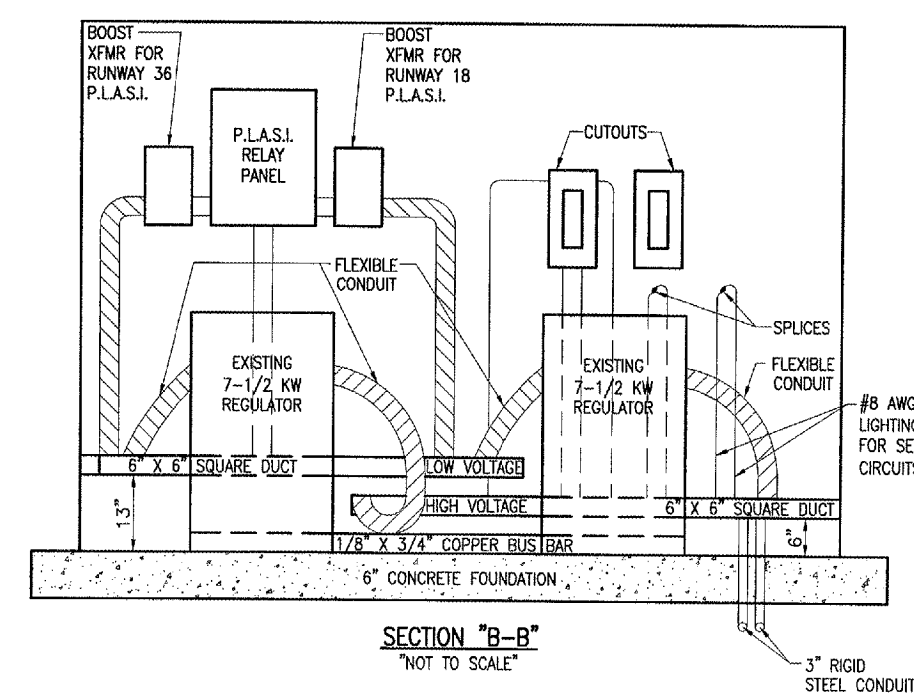
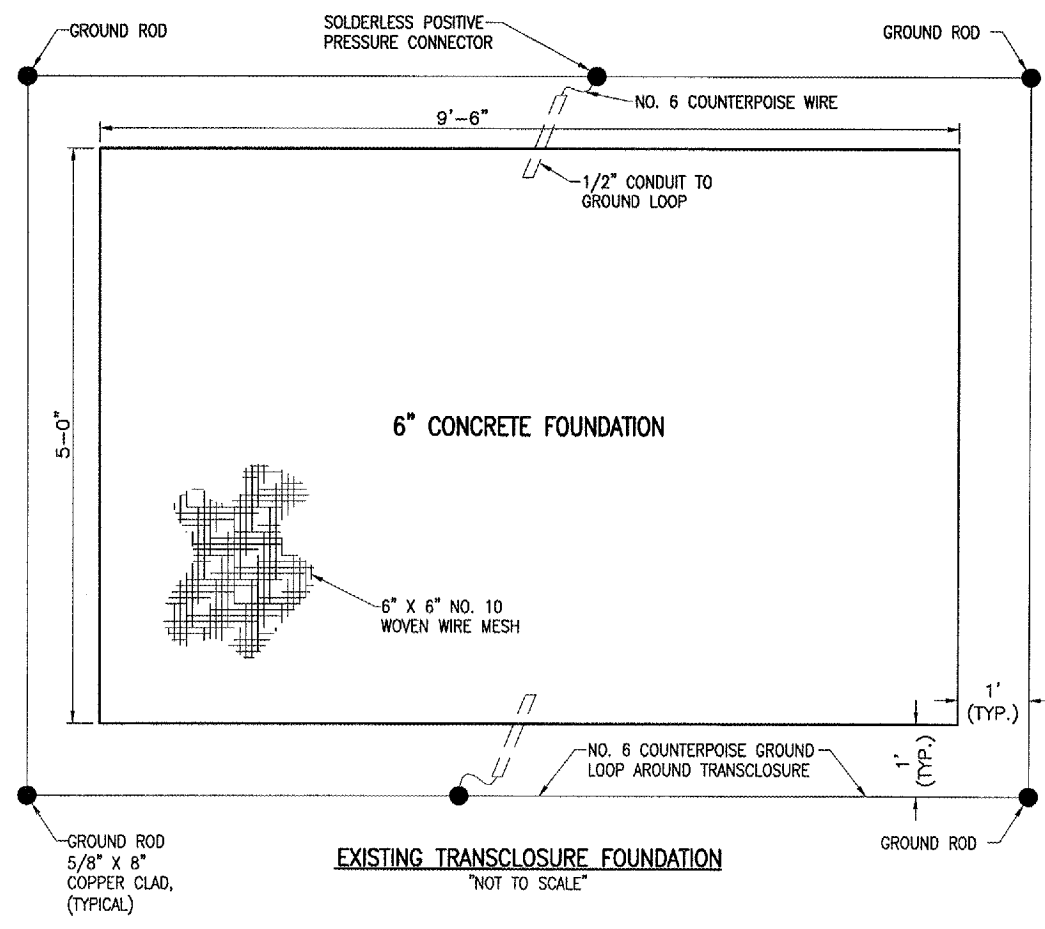
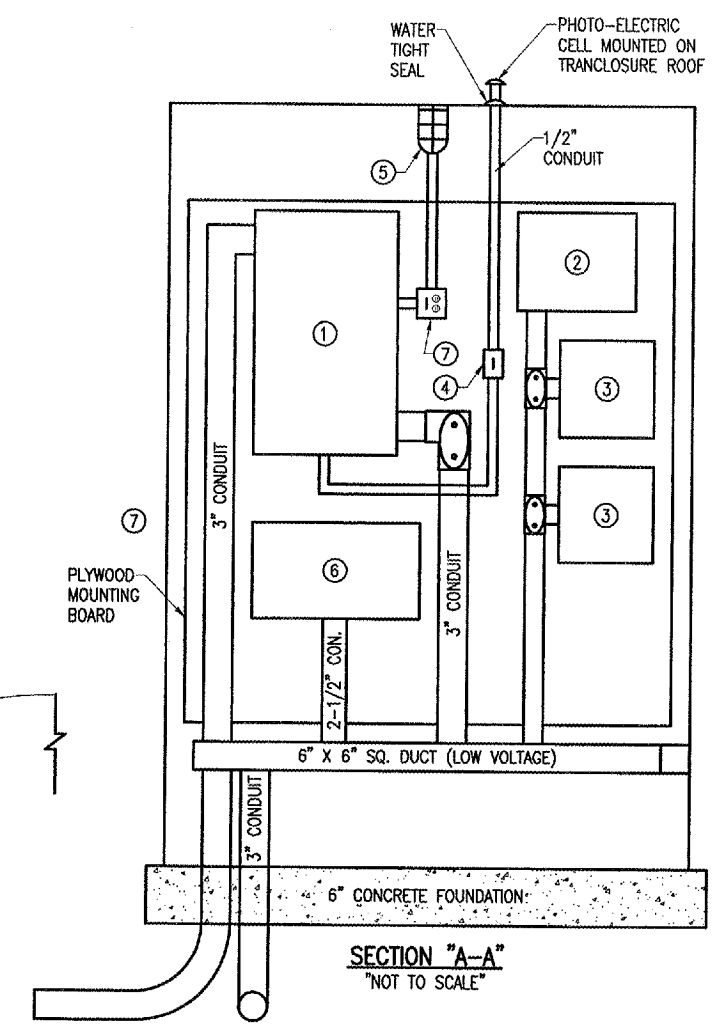
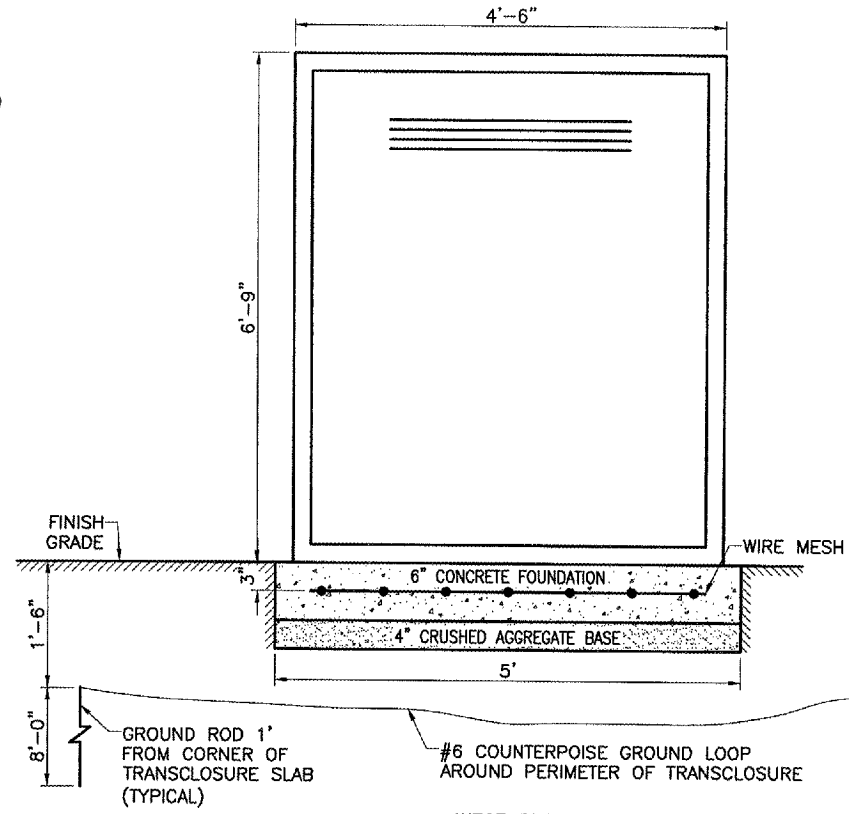
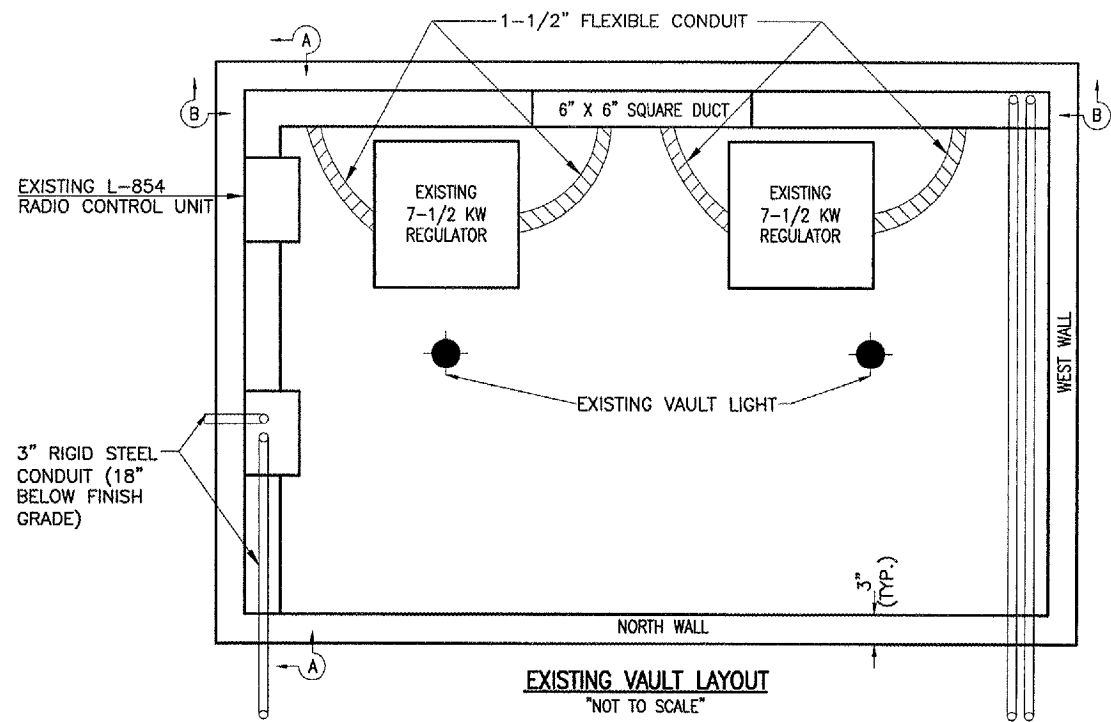
DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0100-B7
ILL. PROJ.: TAZ-3166

REVISED	CAH	xx/xx/xx/
DRAWN	MDR	03/02/
LAYOUT	MDR	02/18/05
DATE	02/05/04	
SCALE	1" = 20'	
PROJECT	R-142ELE.DWG	
FILE PROJECT	828-03RWYGD_0800	

Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62705-2686
Chicago Nationwide

CONSTRUCT
RUNWAY 9-27
EXISTING
AIRPORT ELECTRICAL VAULT
SITE PLAN



- ① VAULT MAIN LOAD CENTER
- ② L-854 RADIO CONTROL UNIT
- ③ INTERFACE PANEL
- ④ PHOTOCELL BY-PASS SWITCH
- ⑤ INCANDESCENT LIGHT
- ⑥ RELAY PANEL ENCLOSURE
- ⑦ LIGHT SWITCH AND DOUBLE RECEPTACLE

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, & LOCATE EXISTING CIRCUITS AS APPLICABLE.

REVISION	DATE	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

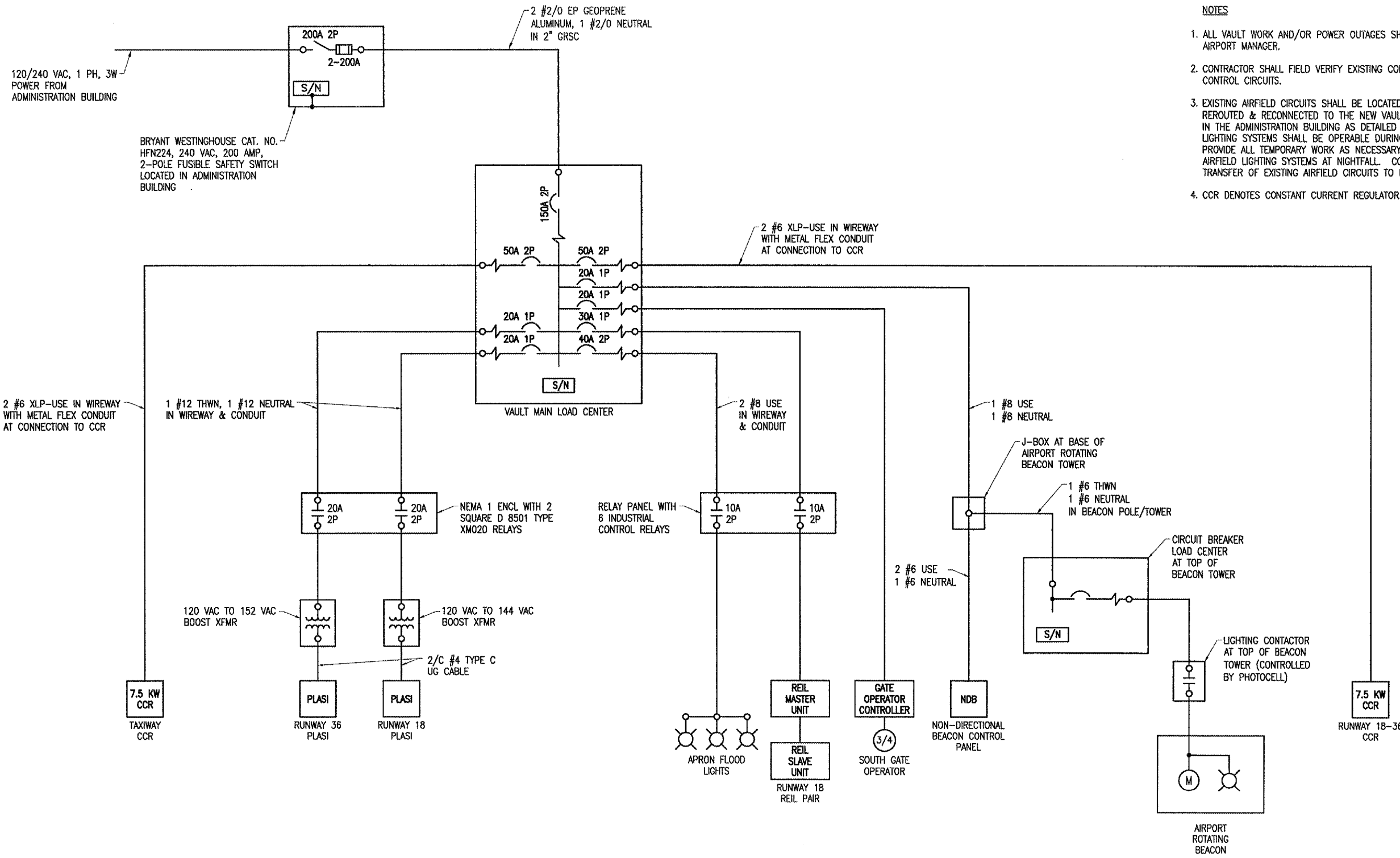
IL PROJ.: TAZ-3166 A.I.P. PROJ.: J-17-0100-B7

98 Project No. 828-03RWYGD.0800	DATE: 02/13/04
Revision R-546ELE.DWG	DATE: 02/13/04
Scale: NTS	DATE: 02/13/04
Drawn: BAK	DATE: 02/13/04
Checked: BAK	DATE: 02/13/04
Reviewed: CAH	DATE: 03/28/05



CONSTRUCT RUNWAY 9-27
EXISTING AIRPORT ELECTRICAL VAULT LAYOUT AND ELEVATIONS

APR 07, 2005 9:41 PM RAW I:\AIRPORTS\TVA\B28-03RWYGD\AIRPORT_SHEETS\R-546ELE.DWG - E-3



NOTES

1. ALL VAULT WORK AND/OR POWER OUTAGES SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO CONFIRM POWER & CONTROL CIRCUITS.
3. EXISTING AIRFIELD CIRCUITS SHALL BE LOCATED, IDENTIFIED, DISCONNECTED, REROUTED & RECONNECTED TO THE NEW VAULT OR RESPECTIVE POWER SOURCE IN THE ADMINISTRATION BUILDING AS DETAILED HEREIN. ALL EXISTING AIRFIELD LIGHTING SYSTEMS SHALL BE OPERABLE DURING NIGHTFALL, CONTRACTOR SHALL PROVIDE ALL TEMPORARY WORK AS NECESSARY TO MAINTAIN OPERATION OF THE AIRFIELD LIGHTING SYSTEMS AT NIGHTFALL. CONTRACTOR SHALL COORDINATE TRANSFER OF EXISTING AIRFIELD CIRCUITS TO MINIMIZE DOWN TIME.
4. CCR DENOTES CONSTANT CURRENT REGULATOR.

REVISION	DATE	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

HL Proj. No. 828-03RWYGD-0800	File Name E-601.DWG	Scale NO SCALE	Date 04/22/05
LAYOUT	KNL	02/03/05	
DRAWN	MV	02/03/05	
REVIEWED	CAH	02/03/05	



CONSTRUCT
RUNWAY 9-27

EXISTING
AIRPORT ELECTRICAL VAULT
ELECTRICAL ONE-LINE

APR 07, 2005 10:00 PM RAW
E:\AIRPORTS\TAYLORVILLE\828-03RWYGD\AIRPORT\SHEETS\E-601.DWG -- E-4

EXISTING VAULT ELECTRICAL ONE-LINE DIAGRAM







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.

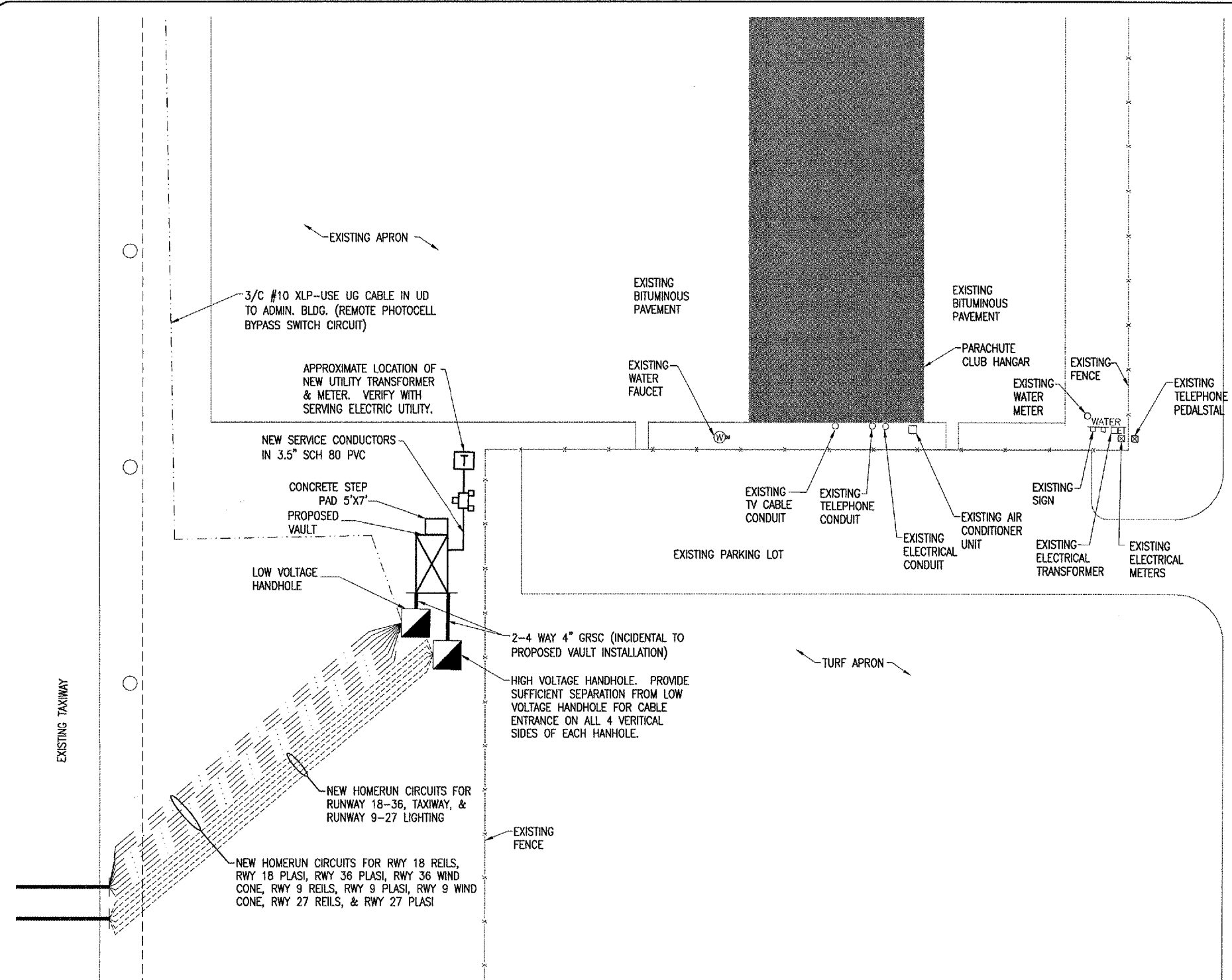
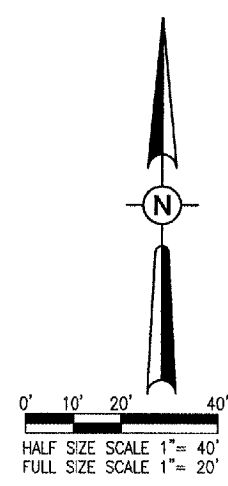
CALL J.U.L.I.E. FOR UTILITY INFORMATION
1-800-892-0123

NOTES

- COORDINATE ELECTRIC SERVICE WORK WITH THE SERVING ELECTRIC UTILITY COMPANY, RURAL ELECTRIC CONVENIENCE COOPERATIVE:
ATTN: MR. MARTY HINTON
P.O. BOX 19
AUBURN, IL 62615-0019
PHONE: 217-438-6197
FAX: 217-438-3212
- HIGH VOLTAGE AND LOW VOLTAGE CABLES SHALL NOT BE INSTALLED IN THE SAME HANDHOLE, WIREWAY, OR DUCT.

LEGEND

-  EXISTING IMPROVEMENTS/PAVEMENTS
-  EXISTING BUILDINGS
-  EXISTING ELECTRICAL DUCT
-  PROPOSED 1/C #8 FAA L-824 TYPE C, 5KV CABLE IN UD
-  PROPOSED 3/C #6 XLP-USE 600V UG CABLE IN UD
-  PROPOSED 3/C #10 XLP-USE 600V UG CABLE IN UD



PROPOSED VAULT LOCATION

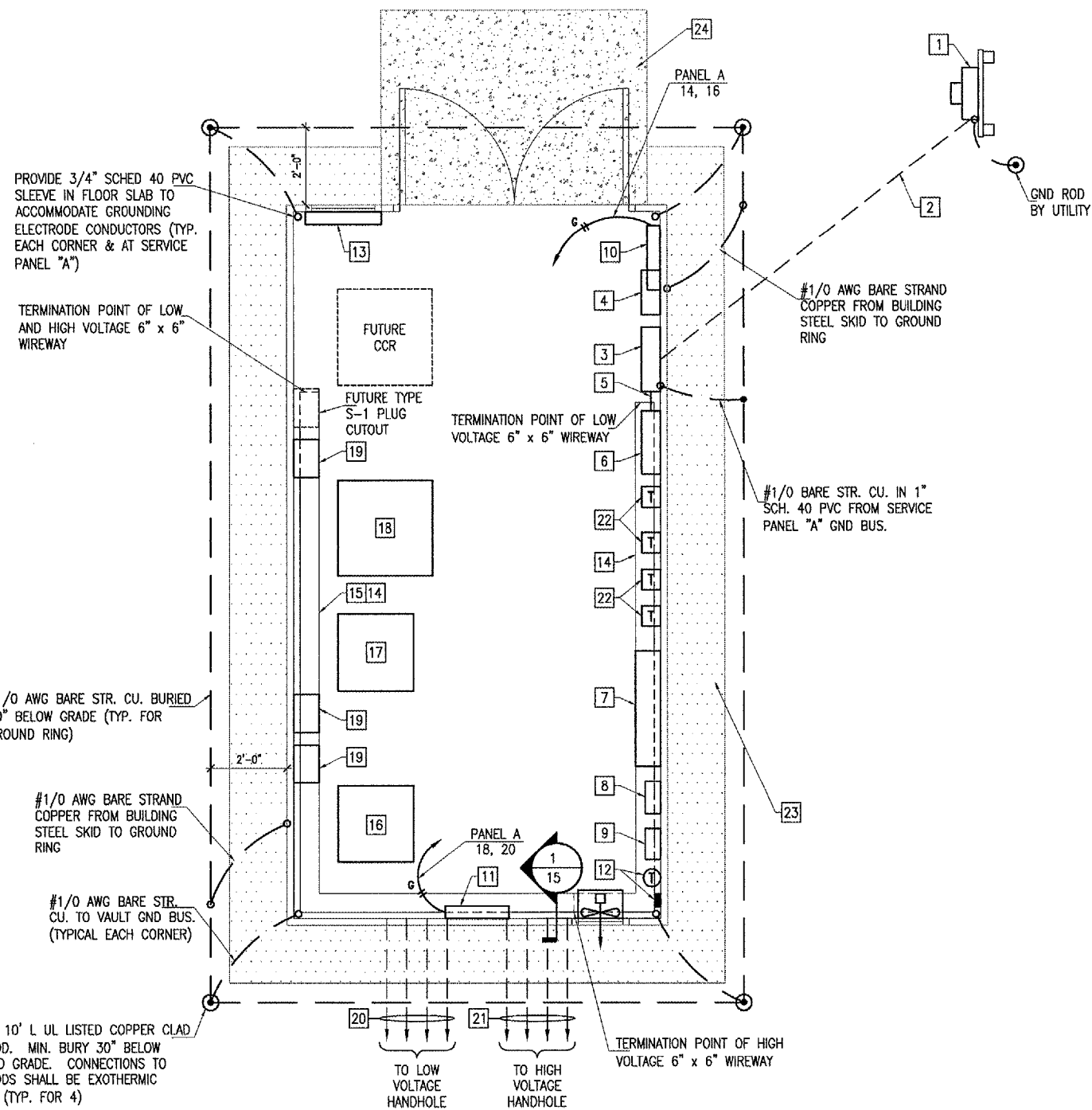
DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0100-B7
IL PROJ.: TAZ-3166

HEL Project No. 828-03RWYGD_0800	FILED	07/02/05
Filename R-547ELE.DWG	RAW	02/02/05
Scale N/A	BAK	02/02/05
Date 07/02/05	CAH	03/28/05
LAYOUT		
DRAWN		
REVIEWED		



CONSTRUCT
RUNWAY 9-27
PROPOSED
AIRPORT ELECTRICAL VAULT
SITE PLAN



VAULT ELECTRICAL EQUIPMENT PLAN
 SCALE 1/2" = 1'-0"
 1 0 2 4 FEET

KEYED NOTES

- 1 ELECTRIC UTILITY METER WITH DOUBLE THROW SWITCH AND SUPPORT STRUCTURE FURNISHED AND INSTALLED BY SERVING ELECTRIC UTILITY COMPANY. VERIFY LOCATION WITH ELECTRIC UTILITY.
- 2 2 #500 MCM XHHW, 1 #500 MCM XHHW NEUTRAL IN 3.5" SCHEDULE 80 PVC FROM UTILITY METER BASE TO SERVICE PANEL A. VERIFY LOCATION OF UTILITY METER WITH SERVING ELECTRIC UTILITY COMPANY.
- 3 SERVICE PANEL A, SEE PANEL A SCHEDULE.
- 4 AC SURGE PROTECTOR/TVSS, SEE NEW VAULT ELECTRICAL ONE LINE DIAGRAM.
- 5 2 #1 THWN, 1 #1 THWN NEUTRAL, 1 #6 GND IN 2" GRSC FROM SERVICE PANEL A TO PANEL B.
- 6 PANEL B, SEE PANEL B SCHEDULE.
- 7 RELAY PANEL WITH PHOTOCELL BYPASS SWITCH. SEE AIRFIELD LIGHTING WIRING SCHEMATIC AND RELAY PANEL DETAIL. MOUNT PHOTOCELL ON ROOF. FIELD VERIFY LOCATION FOR PROPER CONTROL AND OPERATION.
- 8 L-854 RADIO CONTROL UNIT WITH JUNCTION BOXES BELOW. EXTEND RADIO ANTENNA CABLE AND MOUNT ANTENNA ON THE ROOF AS REQUIRED FOR PROPER OPERATION.
- 9 RELAY INTERFACE PANELS FOR RUNWAY 9-27 CCR, TAXIWAY CCR, AND RUNWAY 18-36 CCR. SEE AIRFIELD LIGHTING WIRING SCHEMATIC FOR WIRING REQUIREMENTS.
- 10 ELECTRIC WALL HEATER EH-1, 3000 WATT, 240 VAC, 1 PHASE, SUITABLE FOR SURFACE MOUNTING WITH INTEGRAL THERMOSTAT, Q-MARK MODEL CWH3407, OR APPROVED EQUAL. BOTTOM OF HEATER SHALL BE 3" ABOVE THE UPPER ELECTRICAL WIREWAY.
- 11 ELECTRIC WALL HEATER EH-2, 2000 WATT, 240 VAC, 1 PHASE, SUITABLE FOR SURFACE MOUNTING WITH INTEGRAL THERMOSTAT, Q-MARK MODEL CWH3404, OR APPROVED EQUAL. BOTTOM OF HEATER SHALL BE 3" ABOVE THE UPPER ELECTRICAL WIREWAY.
- 12 EXHAUST FAN EF-1, 2000 CFM AT .25" STATIC PRESSURE WITH 1/2 HP, 120 VAC MOTOR, COOK MODEL 20S10D, OR APPROVED EQUAL. INCLUDE WALL HOUSING WITH GUARD, GRAVITY BACK DRAFT DAMPER, ALUMINUM WEATHER-HOOD PAINTED TO MATCH BUILDING EXTERIOR, STAINLESS STEEL INSECT SCREEN, AND FRACTIONAL HP ELECTRICAL DISCONNECT. INSTALL FAN AS HIGH AS POSSIBLE. PROVIDE 120 VAC THERMOSTAT WITH CONTACTOR AND AUTO-OFF-MANUAL CONTROL SWITCH AT 48" AFF. MOUNT THERMOSTAT ON 2" THICK INSULATED BASE. SEE EXHAUST FAN CONTROL SCHEMATIC FOR WIRING REQUIREMENTS.
- 13 INTAKE LOUVER L-1, 24" WIDE BY 48" HIGH INTAKE LOUVER WITH STAINLESS STEEL INSECT SCREEN, 120 VAC MOTORIZED DAMPER WITH LIMIT SWITCH, KYNAR FINISH MATCHING BUILDING EXTERIOR, RUSKIN MODEL ELF375DX, OR APPROVED EQUAL. SEE EXHAUST FAN CONTROL SCHEMATIC FOR WIRING REQUIREMENTS.
- 14 6" BY 6" LOW VOLTAGE WIREWAY. LABEL "LOW VOLTAGE" EVERY 4 FEET. INSTALL ABOVE HIGH VOLTAGE WIREWAY.
- 15 6" BY 6" HIGH VOLTAGE WIREWAY. LABEL "HIGH VOLTAGE" EVERY 4 FEET. INSTALL BELOW LOW VOLTAGE WIREWAY.
- 16 RUNWAY 18-36 CONSTANT CURRENT REGULATOR. SEE GENERAL NOTE 1.
- 17 TAXIWAY CONSTANT CURRENT REGULATOR. SEE GENERAL NOTE 1.
- 18 RUNWAY 9-27 CONSTANT CURRENT REGULATOR. SEE GENERAL NOTE 1.
- 19 SERIES PLUG CUTOUT TYPE S-1 WITH ENCLOSURE. SEE GENERAL NOTES 1 AND 2.
- 20 4-4" GRSC FROM LOW VOLTAGE WIREWAY TO LOW VOLTAGE HANDHOLE.
- 21 4-4" GRSC FROM HIGH VOLTAGE WIREWAY TO HIGH VOLTAGE HANDHOLE.
- 22 BOOST TRANSFORMERS AND STEP-UP TRANSFORMER. SEE ELEVATION VIEW.
- 23 VEGETATION BARRIER CONSISTING OF A MIN. 3" PEA GRAVEL SURFACE OVER FILTER OR LANDSCAPING FABRIC. PROPOSED SURFACE TREATMENT WILL COVER ENTIRE AREA BENEATH VAULT STRUCTURE AS WELL AS 18" AROUND THE PERIMETER OF THE BUILDING EDGE. THE STONE AND FABRIC AS WELL AS ANY EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS TASK WILL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE PROPOSED ELECTRICAL VAULT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 24 ENTRANCE PAD CONSTRUCTED OF 6" CONCRETE SLAB W/6X6-W5XW5 WELDED WIRE FABRIC ON A COMPACTED SUBGRADE. MINIMUM DIMENSIONS OF PAD WILL BE 7'WX5'DX6"H, SLOPED AT A MIN. OF 0.5"/FT AWAY FROM THE VAULT ENTRANCE. PCC USED TO CONSTRUCT THE PAD WILL CONFORM TO ITEM 610. ALL MATERIALS, LABOR AND EQUIPMENT USED TO CONSTRUCT THE PAD INCLUDING ANY GRADING REQUIRED WILL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE PROPOSED ELECTRICAL VAULT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

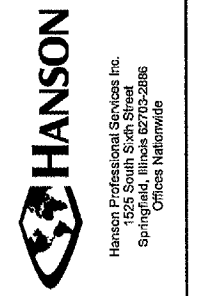
GENERAL NOTES

1. SEE "NEW VAULT ELECTRICAL ONE LINE DIAGRAM" FOR LOW VOLTAGE INPUT POWER WIRING REQUIREMENTS TO CCR'S (CONSTANT CURRENT REGULATORS). SEE "HIGH VOLTAGE WIRING SCHEMATIC" FOR CCR OUTPUT WIRING REQUIREMENTS. SEE "AIRFIELD LIGHTING WIRING SCHEMATIC" FOR CCR CONTROL WIRING REQUIREMENTS. PROVIDE 5 FEET MINIMUM CLEAR WORKING SPACE IN FRONT OF EACH CCR AND EACH SERIES PLUG CUTOUT.
2. CONSTANT CURRENT REGULATORS AND THEIR RESPECTIVE SERIES PLUG CUTOUTS SHALL BE CLEARLY LABELED TO IDENTIFY THE RESPECTIVE REGULATOR DESIGNATION, RUNWAY OR TAXIWAY SERVED, POWER SOURCE OR CIRCUIT, AND VOLTAGE SYSTEM.
3. SEE ELEVATION VIEWS FOR ADDITIONAL INFORMATION ON PROPOSED EQUIPMENT LAYOUTS.
4. COORDINATE CONDUIT & SLEEVE ENTRANCES THROUGH FLOOR SLAB AND WALLS.

REVISION	DATE	BY

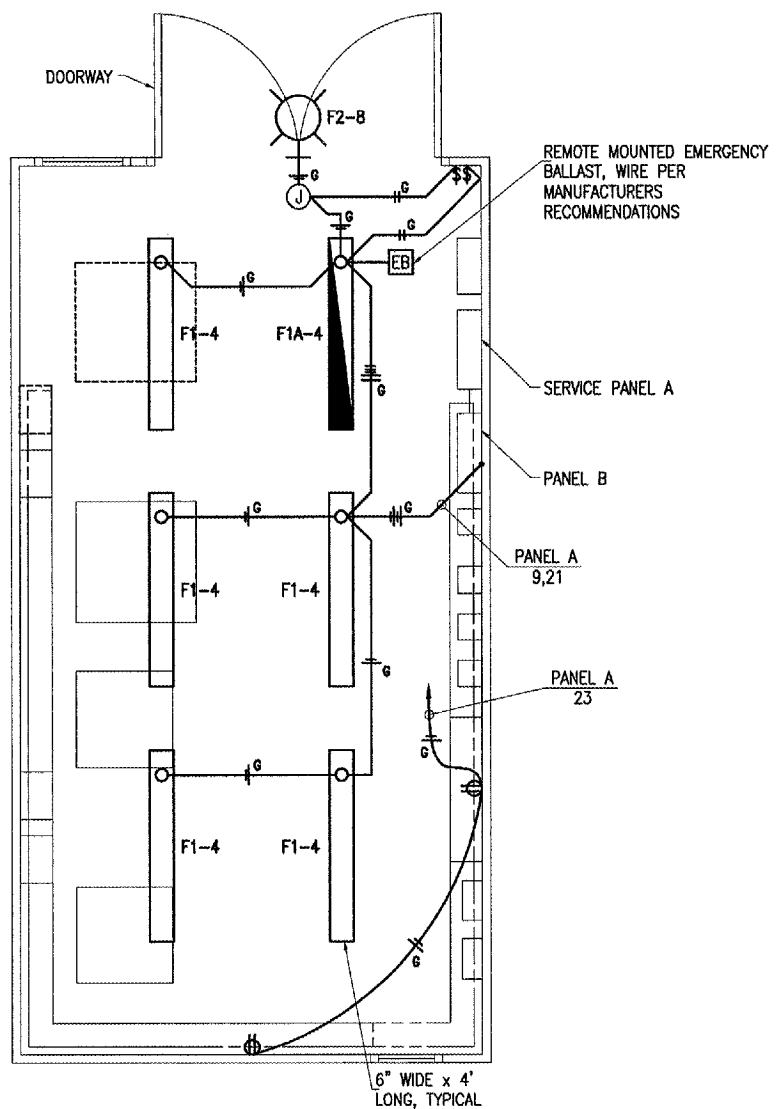
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
 A.I.P. PROJ.: 3-17-0100-B7
 I.L. PROJ.: 1A2-3166

Project No. 828-03RWYGD 0800	File Name EP-101.DWG	Scale 1/2" = 1'-0"	Date xx/xx/xx
LAYOUT	KNL	2/23/05	
DRAWN	MAE	2/23/05	
REVIEWED	CAH	03/28/05	



CONSTRUCT
RUNWAY 9-27
 PROPOSED
 AIRPORT ELECTRICAL VAULT
 EQUIPMENT PLAN

APR 06, 2005 4:06 PM RAW I:\AIRPORTS\TYVILLE\828-03RWYGD\AIRPORT\SHEETS\EP-101.DWG - E-5



Vault Lighting & Receptacle Plan
 SCALE 1/2" = 1'-0"
 1 0 2 4 FEET

LIGHTING FIXTURE SCHEDULE						
FIXT. TYPE	DESCRIPTION	MANUFACTURER & CATALOG NO.	LAMPS/WATTS	VOLTS	MOUNTING	REMARKS
F1	4 FT. WET LOCATION LISTED ENCLOSED AND GASKETED INDUSTRIAL FLUORESCENT LIGHT FIXTURE, IMPACT RESISTANT, UV RESISTANT REINFORCED POLYESTER FIBERGLASS HOUSING, HIGH IMPACT ACRYLIC DIFFUSER, RAPID START COLD WEATHER 0 DEG. F. ELECTRONIC BALLAST WITH LESS THAN OR EQUAL TO 10% THD.	LITHONIA: DMW-2-32-AR-120-CW-GE810RS-WLF	2-32W T8 4100K 59 TOTAL INPUT WATTS	120	SURFACE TO HARD CEILING	PROVIDE WET LOCATION FITTINGS INSTALLED IN TOP OF FIXTURE.
F1A	SAME AS F1 EXCEPT PROVIDE AN EMERGENCY BALLAST CAPABLE OF OPERATING 2 LAMPS FOR 90 MINUTES AT 1100-1400 TOTAL LUMENS, BODINE #B50ST. NOTE BALLAST WILL HAVE TO BE REMOTE MOUNTED NEAR FIXTURE AS INDICATED ON THE PLANS.	LITHONIA: DMW-2-32-AR-120-CW-GE810RS-WLF	2-32W T8 4100K 59 TOTAL INPUT WATTS	120	SURFACE TO HARD CEILING	PROVIDE WET LOCATION FITTINGS INSTALLED IN TOP OF FIXTURE.
F2	COMPACT FLUORESCENT WALL-PAK, ONE PIECE INJECTION MOLDED UV STABILIZED POLYCARBONATE HOUSING, HIGH PERFORMANCE SPECULAR ANODIZED SEGMENTED REFLECTOR, ONE PIECE HIGH TEMPERATURE SILICONE GASKET, MEDIUM BRONZE FINISH, HIGH POWERFACTOR ELECTRONIC BALLAST WITH LESS THAN OR EQUAL TO 10% THD, UL LISTED FOR WET LOCATIONS, FUSED.	LITHONIA: TWA-42TRT-120-SF-CR-DMB-LPI	1-42W TRT 4100K 47 TOTAL INPUT WATTS	120	SURFACE TO WALL ABOVE EXTERIOR DOOR APPROXIMATELY 4 INCHES ABOVE TOP OF DOOR FRAME.	CONNECT TO WALL SWITCH LOCATED ON THE INSIDE OF THE BUILDING.

NOTE
 15 AMP & 20 AMP BRANCH CIRCUITS FOR LIGHTING & RECEPTACLES SHALL USE #12 AWG THWN (MIN.).

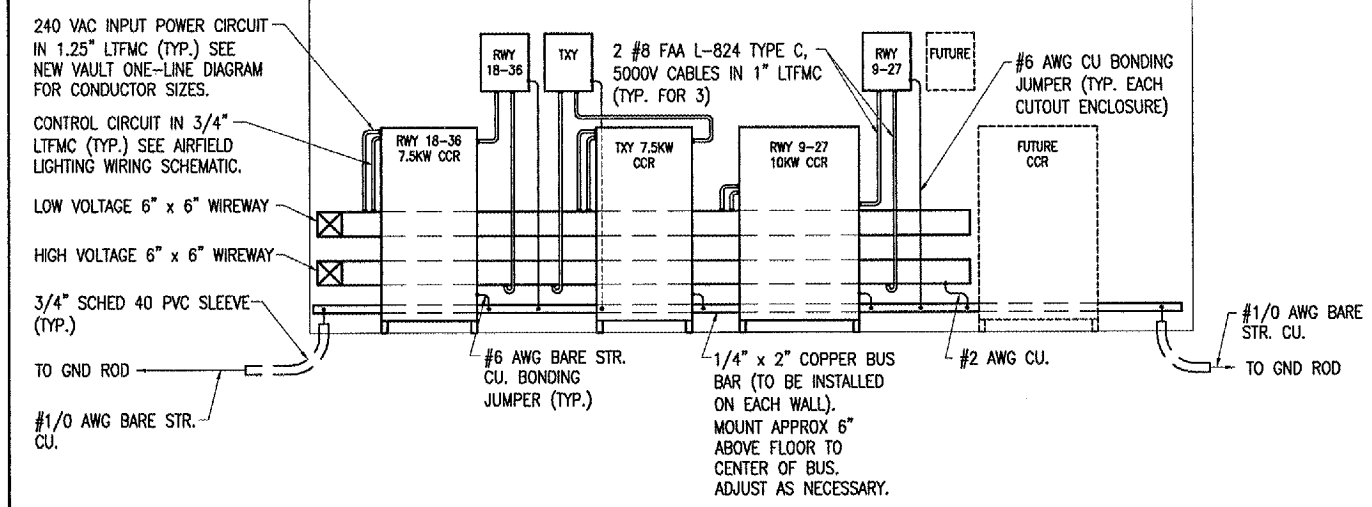
DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
 ILL. PROJ.: TAZ-3166
 A.I.P. PROJ.: 3-17-0100-B7

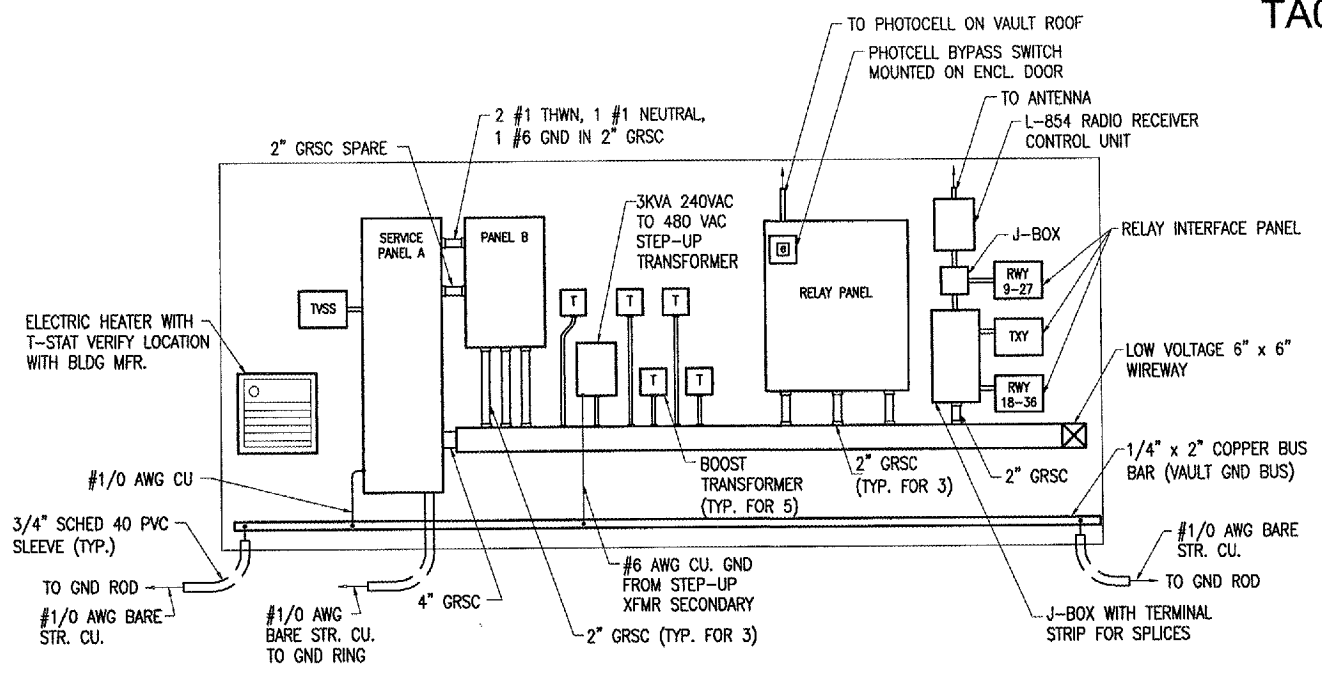
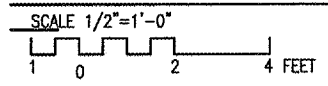
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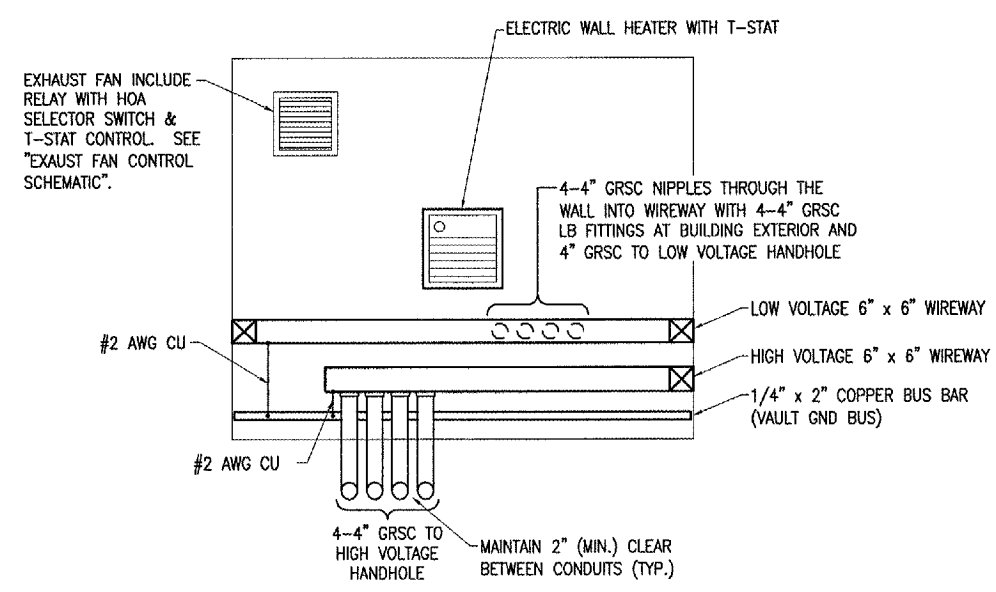
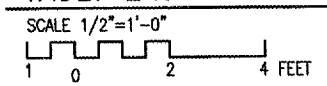
CONSTRUCT
RUNWAY 9-27
Vault Lighting and Receptacle Plan



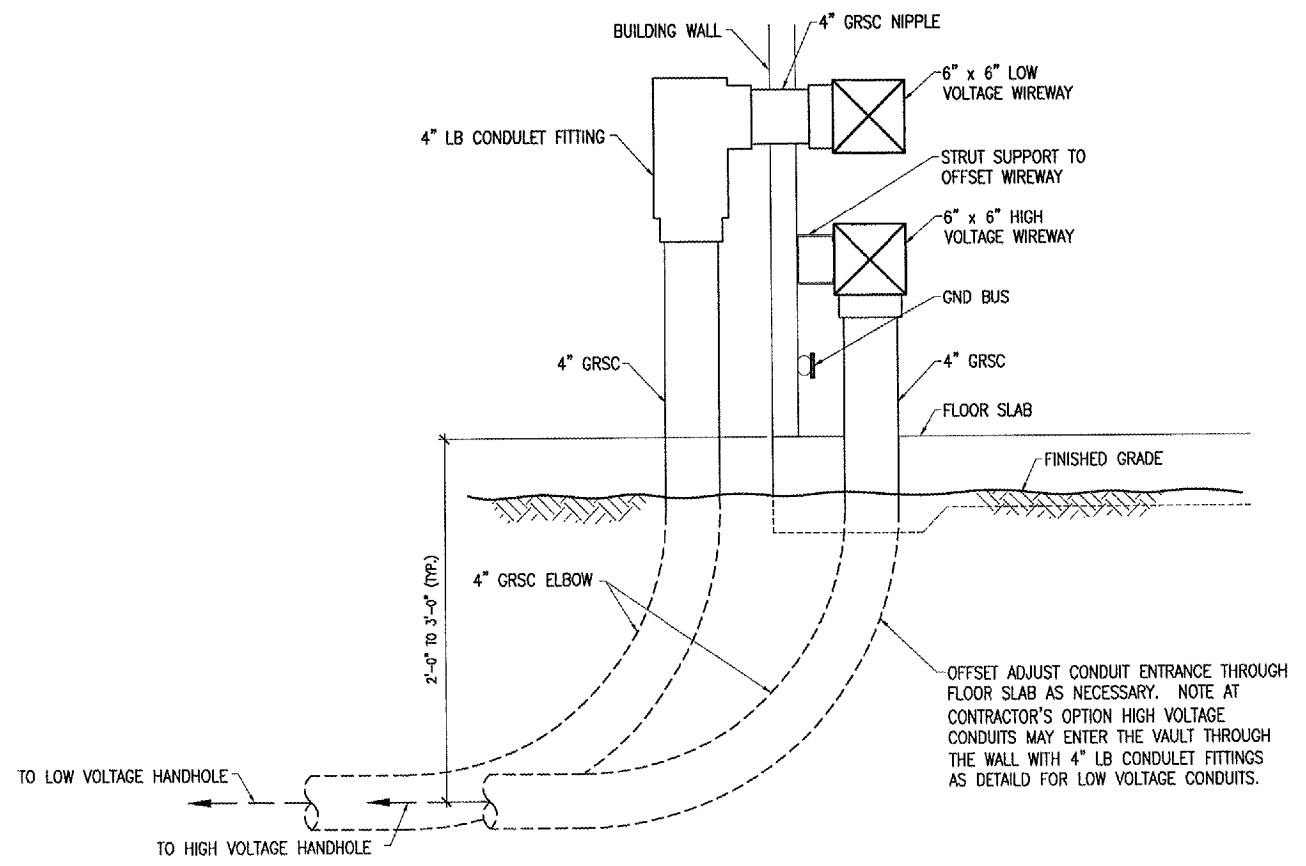
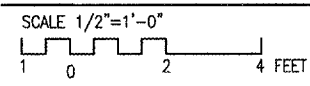
VAULT WEST WALL ELEVATION



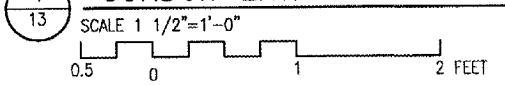
VAULT EAST WALL ELEVATION



VAULT SOUTH WALL ELEVATION



CONDUIT ENTRANCE DETAIL



BY	
REVISION	
DATE	

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

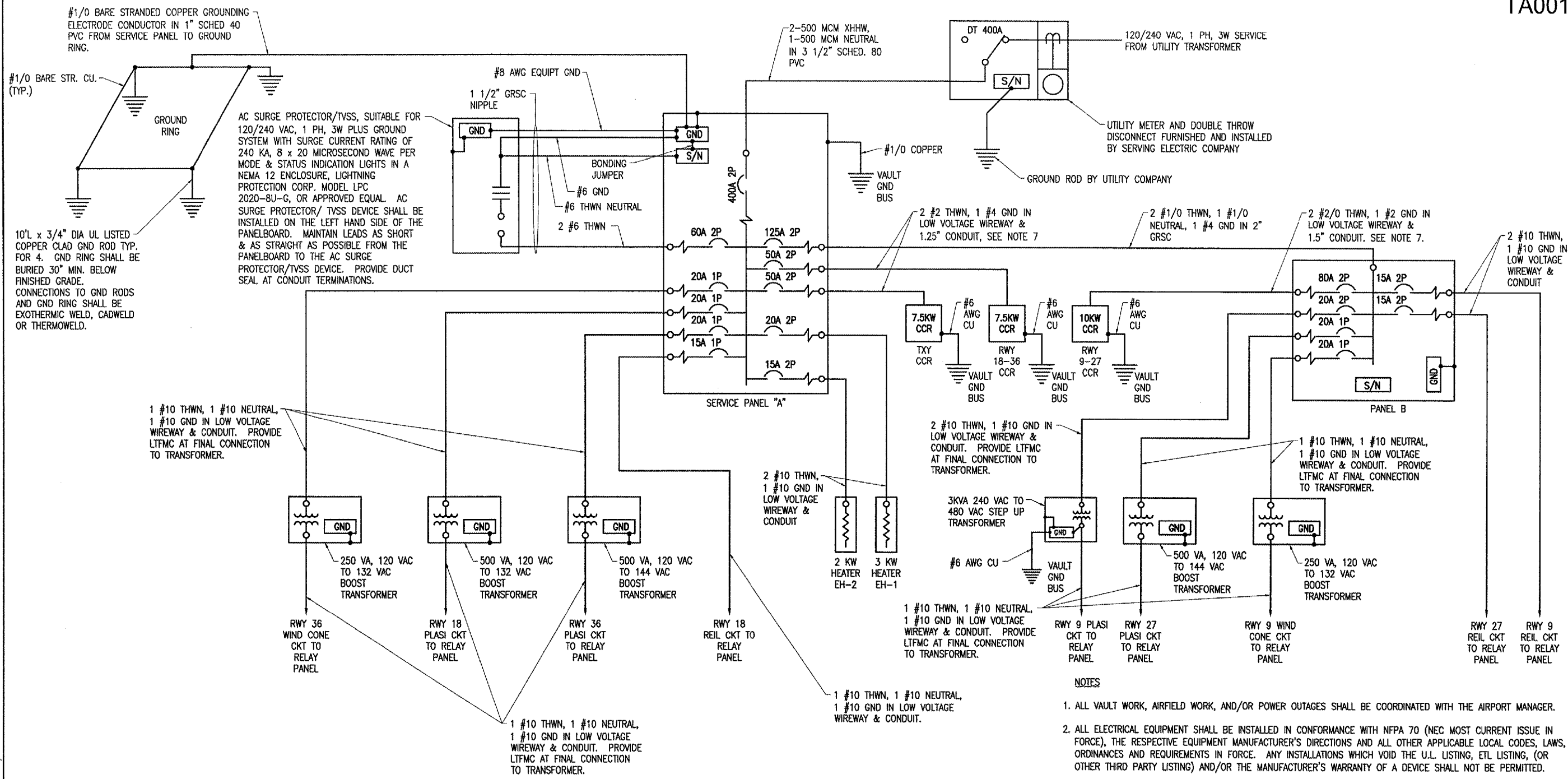
IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

REV. Project No. 828-03RWYGD_0800	
Figure: E-201.DWG	
Scale: 1/2"=1'-0"	
Date: 04/22/05	
LAYOUT: KNL 02/22/05	
DRAWN: MAE 02/22/05	
REVIEWED: CAH 03/28/05	



CONSTRUCT
RUNWAY 9-27
PROPOSED
AIRPORT ELECTRICAL VAULT
WALL ELEVATIONS

APR 07, 2005 11:17 PM RAW
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AC SURGE PROTECTOR/TVSS, SUITABLE FOR 120/240 VAC, 1 PH, 3W PLUS GROUND SYSTEM WITH SURGE CURRENT RATING OF 240 KA, 8 x 20 MICROSECOND WAVE PER MODE & STATUS INDICATION LIGHTS IN A NEMA 12 ENCLOSURE, LIGHTNING PROTECTION CORP. MODEL LPC 2020-8U-G, OR APPROVED EQUAL. AC SURGE PROTECTOR/TVSS DEVICE SHALL BE INSTALLED ON THE LEFT HAND SIDE OF THE PANELBOARD. MAINTAIN LEADS AS SHORT & AS STRAIGHT AS POSSIBLE FROM THE PANELBOARD TO THE AC SURGE PROTECTOR/TVSS DEVICE. PROVIDE DUCT SEAL AT CONDUIT TERMINATIONS.

10" x 3/4" DIA UL LISTED COPPER CLAD GND ROD TYP. FOR 4. GND RING SHALL BE BURIED 30" MIN. BELOW FINISHED GRADE. CONNECTIONS TO GND RODS AND GND RING SHALL BE EXOTHERMIC WELD, CADWELD OR THERMOWELD.

1 #10 THWN, 1 #10 NEUTRAL, 1 #10 GND IN LOW VOLTAGE WIREWAY & CONDUIT. PROVIDE LTFMC AT FINAL CONNECTION TO TRANSFORMER.

2 #10 THWN, 1 #10 GND IN LOW VOLTAGE WIREWAY & CONDUIT. PROVIDE LTFMC AT FINAL CONNECTION TO TRANSFORMER.

1 #10 THWN, 1 #10 NEUTRAL, 1 #10 GND IN LOW VOLTAGE WIREWAY & CONDUIT. PROVIDE LTFMC AT FINAL CONNECTION TO TRANSFORMER.

1 #10 THWN, 1 #10 NEUTRAL, 1 #10 GND IN LOW VOLTAGE WIREWAY & CONDUIT. PROVIDE LTFMC AT FINAL CONNECTION TO TRANSFORMER.

HIGH VOLTAGE & LOW VOLTAGE CIRCUITS SHALL NOT BE INSTALLED IN THE SAME RACEWAY

FURNISH & INSTALL A WEATHERPROOF WARNING LABEL FOR EACH METER SOCKET, PANELBOARD, LOAD CENTER, DISCONNECT & CONTROL PANEL TO WARN PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS, PER THE REQUIREMENTS OF NEC 110.16 "FLASH PROTECTION".

NOTES

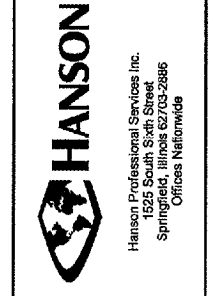
1. ALL VAULT WORK, AIRFIELD WORK, AND/OR POWER OUTAGES SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
2. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 (NEC MOST CURRENT ISSUE IN FORCE), THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, ETL LISTING, (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
3. ALL EQUIPMENT SHOWN IS NEW UNLESS NOTED OTHERWISE.
4. COORDINATE ELECTRIC SERVICE WORK WITH THE SERVING ELECTRIC UTILITY COMPANY, RURAL ELECTRIC CONVENIENCE COOPERATIVE
ATTN: MR. MARTY HINTON
P.O. BOX 19
AUBURN, IL 62615-0019
PHONE: 217-438-6197
FAX: 217-438-3212
5. CONTRACTOR SHALL CONFIRM POWER REQUIREMENTS WITH THE ACTUAL NAMEPLATE ON EACH CONSTANT CURRENT REGULATOR AND ADJUST CIRCUIT BREAKER, WIRE SIZES & CONDUIT SIZES TO CONFORM WITH NEC & MANUFACTURER'S RECOMMENDATIONS WHERE APPLICABLE. WIRE SIZES SHOWN ON THE PLANS ARE MINIMUM.
6. SEE PANELBOARD SCHEDULES FOR ADDITIONAL REQUIREMENTS FOR EACH RESPECTIVE PANEL.
7. BRANCH CIRCUITS TO REGULATORS SHALL BE INSTALLED IN THE RESPECTIVE LOW VOLTAGE WIREWAY/DUCT, WITH GRSC AT TRANSITIONS AND UL LISTED LIQUID TIGHT FLEXIBLE METAL CONDUIT AT FINAL CONNECTIONS TO THE REGULATORS. CONDUITS SHALL BE SIZED IN ACCORDANCE WITH NEC.
8. BOND ALL REGULATORS TO THE RESPECTIVE VAULT GROUND BUS WITH A DEDICATED #6 AWG BONDING JUMPER FOR EACH REGULATOR.
9. LTFMC DENOTES LIQUID TIGHT FLEXIBLE METAL CONDUIT UL LISTED, SUNLIGHT RESISTANT, & SUITABLE FOR GROUNDING.

NEW VAULT ELECTRICAL ONE-LINE DIAGRAM

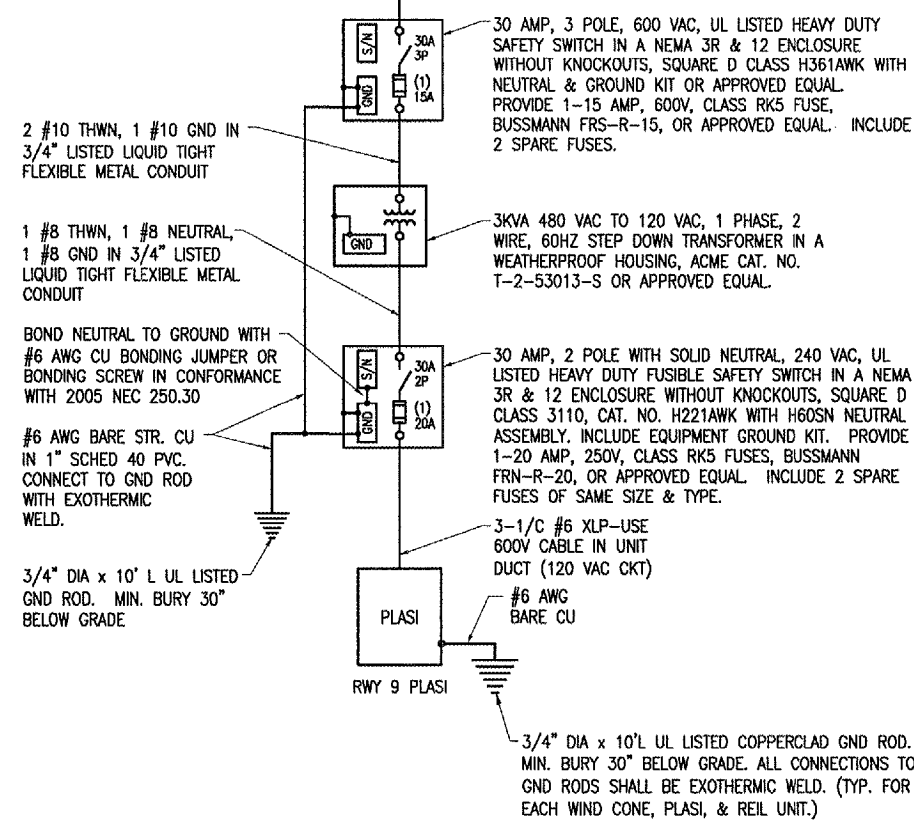
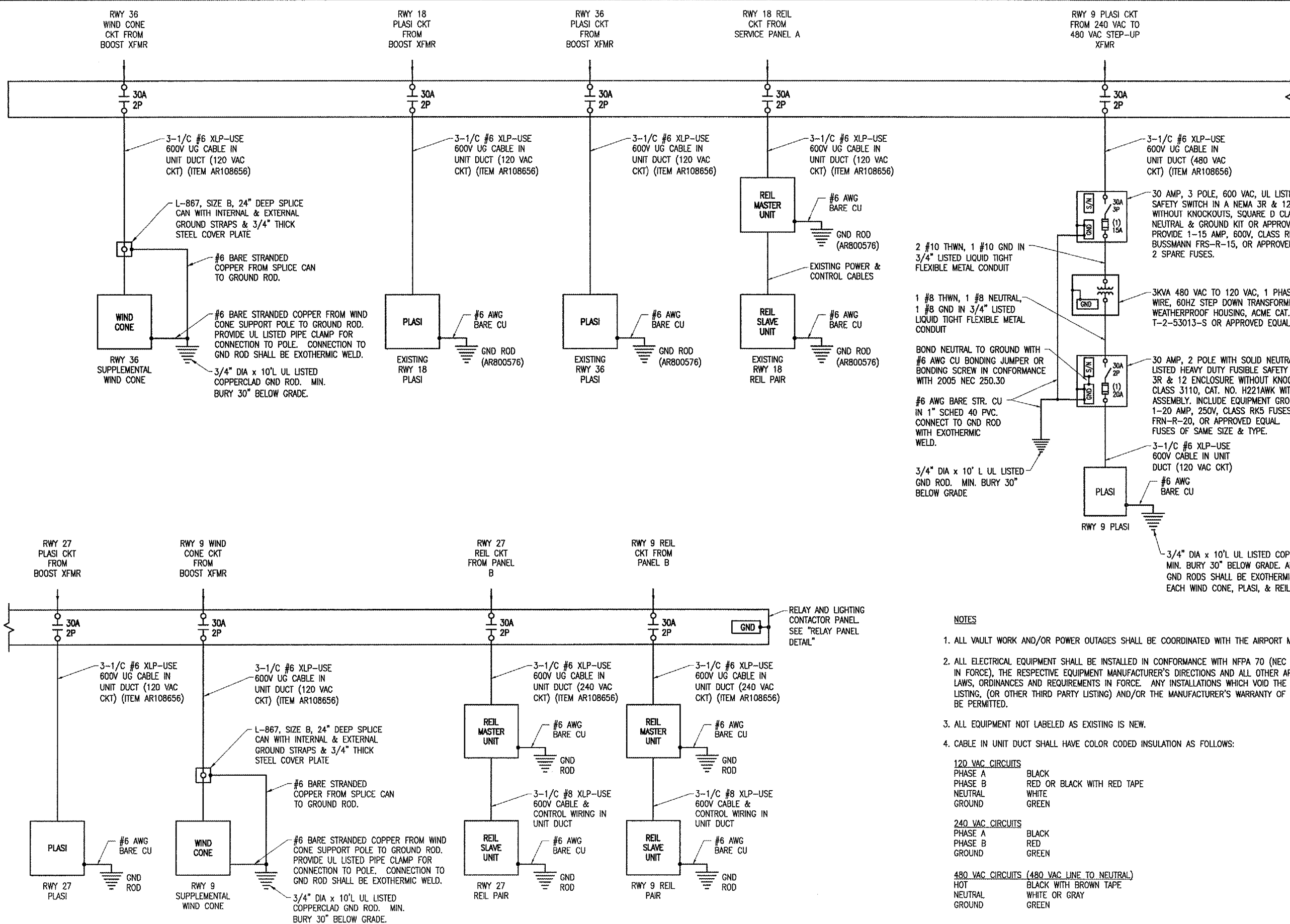
REVISION	DATE	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0100-87
I.L. PROJ.: TAZ-3166

REV. PROJECT NO. 828-035WYGD.0800	FILENAME E-606.DWG	SCALE 1"=30'	DATE 04/22/05
LAYOUT	KNL	02/16/05	
DRAWN	MV	02/16/05	
REVIEWED	CAH	03/28/05	



CONSTRUCT
RUNWAY 9-27
PROPOSED VAULT
ELECTRICAL ONE-LINE
DIAGRAM SHEET 1



NOTES

1. ALL VAULT WORK AND/OR POWER OUTAGES SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
2. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 (NEC MOST CURRENT ISSUE IN FORCE), THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, ETL LISTING, (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
3. ALL EQUIPMENT NOT LABELED AS EXISTING IS NEW.
4. CABLE IN UNIT DUCT SHALL HAVE COLOR CODED INSULATION AS FOLLOWS:

120 VAC CIRCUITS	
PHASE A	BLACK
PHASE B	RED OR BLACK WITH RED TAPE
NEUTRAL	WHITE
GROUND	GREEN

240 VAC CIRCUITS	
PHASE A	BLACK
PHASE B	RED
GROUND	GREEN

480 VAC CIRCUITS (480 VAC LINE TO NEUTRAL)	
HOT	BLACK WITH BROWN TAPE
NEUTRAL	WHITE OR GRAY
GROUND	GREEN

NEW VAULT ELECTRICAL ONE-LINE DIAGRAM (CONTINUED)

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REVISION	DATE	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

U.L. Project No. B28-03RWYGD-0800	
File Name: E-607.DWG	
Scale: 1"=xx'	
Date: 04/22/05	
LAYOUT: KNL	02/16/05
DRAWN: MV	02/16/05
REVIEWED: xxx	xx/xx/xx



CONSTRUCT
RUNWAY 9-27
PROPOSED VAULT
ELECTRICAL ONE-LINE
DIAGRAM SHEET 2

SERVICE PANEL "A"			SERVICE PANEL "A"			SERVICE PANEL "A"		
CKT #	DUTY	SIZE	SIZE	DUTY	SIZE	CKT #	DUTY	SIZE
1	SURGE PROTECTOR/TVSS	60A 2P	125A 2P	PANELBOARD B	125A 2P	2		
3						4		
5	RADIO CONTROL	10A 1P	50A 2P	RUNWAY 18-36 CCR	50A 2P	6		
7	PHOTOCELL	10A 1P				8		
9	VAULT EXTERIOR LIGHTING	15A 1P	50A 2P	TAXIWAY CCR	50A 2P	10		
11	RUNWAY 36 WIND CONE	20A 1P				12		
13	RUNWAY 18 PLASI	20A 1P	20A 2P	UNIT HEATER EH-1	20A 2P	14		
15	RUNWAY 36 PLASI	20A 1P				16		
17	RUNWAY 18 REILS	15A 1P	15A 2P	UNIT HEATER EH-2	15A 2P	18		
19	VAULT FAN	15A 1P				20		
21	VAULT INTERIOR LIGHTING	15A 1P	15A 1P	SPARE	15A 1P	22		
23	VAULT RECEPTACLES	20A 1P	15A 1P	SPARE	15A 1P	24		
25	BLANK		20A 1P	SPARE	20A 1P	26		
27	BLANK		20A 1P	SPARE	20A 1P	28		
29	BLANK		30A 1P	SPARE	30A 1P	30		
31	BLANK					32		
33	BLANK					34		
35	BLANK					36		
37	BLANK					38		
39	BLANK					40		
41	BLANK					42		

400 AMP, 120/240 VAC, 1 PHASE, 3 WIRE, 42 CIRCUIT PANELBOARD WITH 400 AMP, 2 POLE MAIN BREAKER WITH 22,000 AIC AT 240 VAC IN A NEMA 1 ENCLOSURE. INCLUDE SEPARATE GROUND BAR KITS. ALL BRANCH BREAKERS SHALL BE BOLT-ON TYPE WITH 22,000 AIC AT 120/240 VAC. PANELBOARD SHALL BE SQUARE D CAT. NO. NQOD42L400CU WITH NQOD2400LAMB MAIN BREAKER KIT IN A NEMA 1 ENCLOSURE, OR APPROVED EQUAL.

NOTES

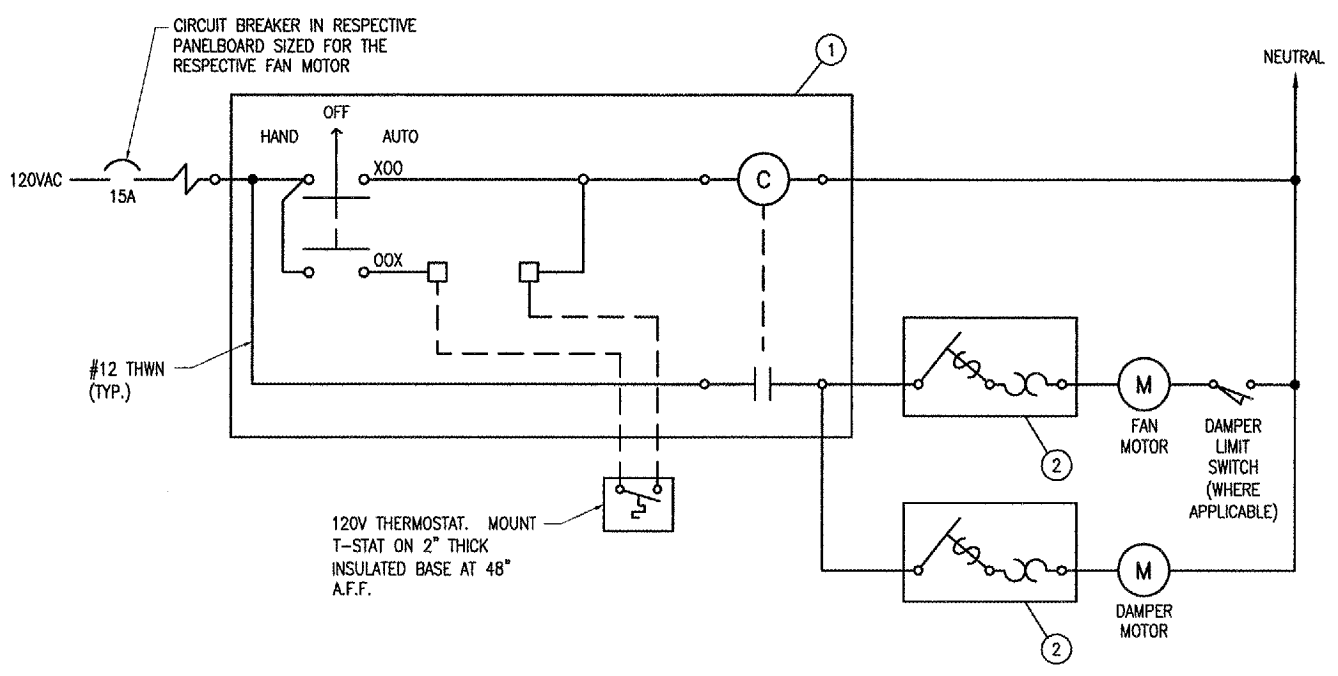
- PANELBOARD BUS SHALL BE COPPER.
- INCLUDE ENGRAVED PHENOLIC LEGEND PLATE LABELED "SERVICE PANEL A, 120/240 VAC, 1 PHASE, 3 WIRE". INCLUDE ADDITIONAL LEGEND PLATE FOR THE MAIN BREAKER LABELED "SERVICE BREAKER".

PANEL B			PANEL B			PANEL B		
CKT #	DUTY	SIZE	SIZE	DUTY	SIZE	CKT #	DUTY	SIZE
1	RUNWAY 9-27 CCR	80A 2P	15A 2P	RUNWAY 9 REILS	15A 2P	2		
3						4		
5	RUNWAY 9 PLASI STEP-UP XFMR	20A 2P	15A 2P	RUNWAY 27 REILS	15A 2P	6		
7						8		
9	RUNWAY 27 PLASI	20A 1P	20A 2P	SPARE	20A 2P	10		
11	RUNWAY 9 WIND CONE	20A 1P				12		
13	SPARE	20A 1P	15A 2P	SPARE	15A 2P	14		
15	SPARE	20A 1P				16		
17	BLANK					18		
19	BLANK					20		
21	BLANK					22		
23	BLANK					24		
25	BLANK					26		
27	BLANK					28		
29	BLANK					30		

225 AMP, 120/240 VAC, 1 PHASE, 3 WIRE, 30 CIRCUIT PANELBOARD WITH MAIN LUGS IN A NEMA 1 ENCLOSURE. INCLUDE SEPARATE GROUND BAR KITS. ALL BRANCH BREAKERS SHALL BE BOLT-ON TYPE WITH 22,000 AIC AT 120/240 VAC. PANELBOARD SHALL BE SQUARE D CAT. NO. NQOD30L225CU OR APPROVED EQUAL.

NOTES

- PANELBOARD BUS SHALL BE COPPER.
- INCLUDE ENGRAVED PHENOLIC LEGEND PLATE LABELED "PANEL B, 120/240 VAC, 1 PHASE, 3 WIRE, FED FROM SERVICE PANEL A".



EXHAUST FAN CONTROL SCHEMATIC

- NOTES**
- GROUND WIRES REQUIRED BUT NOT SHOWN FOR CLARITY.
 - ALL WIRING SHALL BE #12 THWN MINIMUM.
 - PROVIDE A NEMA 1 ENCLOSURE SIZED AS REQUIRED TO INSTALL THE CONTACTOR, HOA SELECTOR SWITCH & TERMINALS.
 - PROVIDE LEGEND PLATE FOR THE CONTACTOR AND FRACTIONAL HP MOTOR STARTER IDENTIFYING THE LOAD SERVED AND THE POWER SOURCE.
 - VERIFY MOTOR HORSEPOWERS AND FULL LOAD AMPS WITH THE RESPECTIVE MANUFACTURER. CONTRACTOR SHALL COORDINATE MOTOR CIRCUIT BREAKER, CONTACTOR, FRACTIONAL HP STARTER, OVERLOADS, WIRE SIZES, CONDUIT SIZES, ETC. FOR THE RESPECTIVE EQUIPMENT FURNISHED, PER NEC & MANUFACTURER'S RECOMMENDATIONS. COORDINATE FAN & LOUVER INSTALLATION WITH BUILDING MFR.
 - INTAKE LOUVERS SHALL OPEN AND EXHAUST FAN SHALL OPERATE WHEN SPACE TEMP EXCEEDS 85°F (ADJUSTABLE). EXHAUST FAN SHALL OPERATE ONLY WHEN DAMPER HAS PROVED "OPEN". IN MANUAL MODE DAMPER SHALL REMAIN OPEN AND FAN SHALL RUN CONTINUOUSLY.

- LEGEND**
- 120VAC, NEMA SIZE 0 (MINIMUM), 1 POLE, FULL VOLTAGE CONTACTOR IN A NEMA 1 ENCLOSURE, SQUARE D CLASS 8502, TYPE SBG5V02 OR APPROVED EQUAL. INCLUDE H-O-A SELECTOR SWITCH WITH EACH CONTACTOR.
 - FRACTIONAL HORSEPOWER MOTOR MANUAL STARTER, SQUARE D MANUAL STARTER WITH HANDLE/GUARD/LOCK OFF, IN NEMA 1 ENCLOSURE CLASS 2510, TYPE FG5 OR APPROVED EQUAL. INCLUDE MELTING ALLOY TYPE THERMAL OVERLOADS SIZED AS REQUIRED TO PROTECT THE RESPECTIVE MOTOR. 120VAC MOTORS SHALL HAVE SINGLE POLE STARTERS.

DATE	REVISION

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

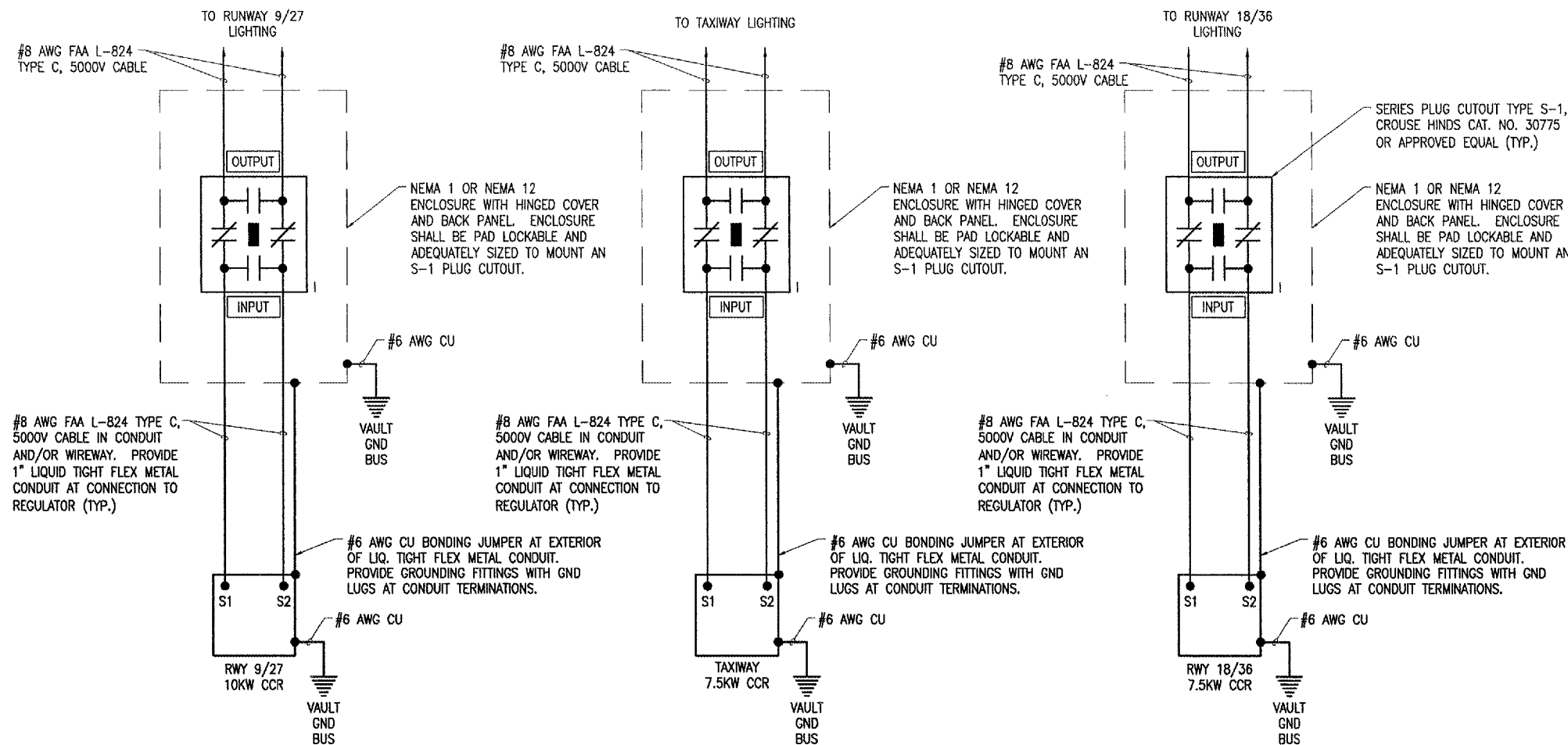
IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

HE Project No.	828-036WYGD 0800
Drawn	E-608.DWG
Scale	NONE
Date	04/22/05
LAYOUT	KNL 02/17/05
DRAWN	MV 02/18/05
REVIEWED	xxx xx/xx/xx

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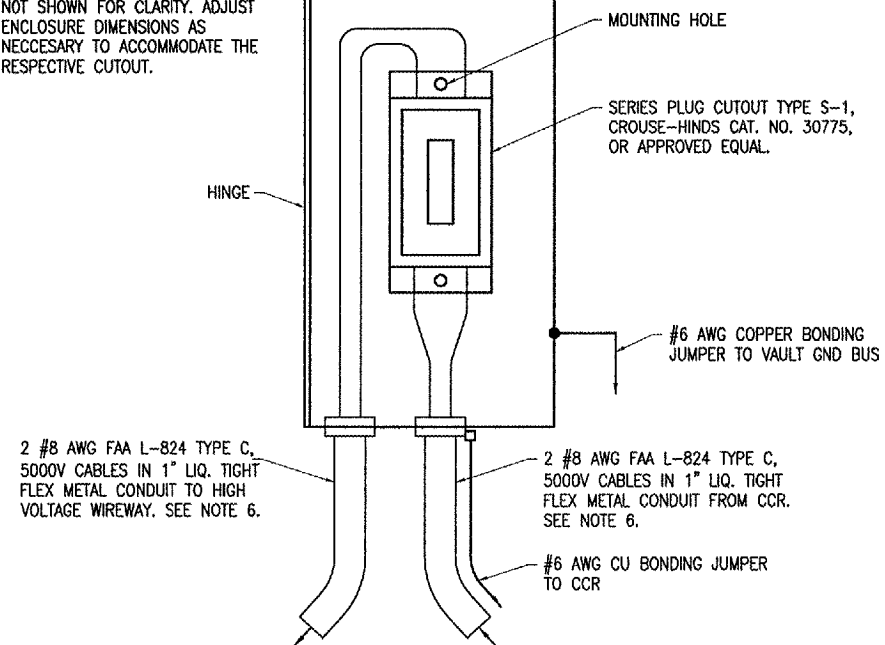
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONSTRUCT
RUNWAY 9-27
PANEL SCHEDULES
& DETAILS



HIGH VOLTAGE WIRING SCHEMATIC

14"H x 12"W x 8"D (APPROXIMATE DIMENSIONS)
NEMA 1 OR NEMA 12 ENCLOSURE WITH HINGED COVER & BACK PANEL. NOTE FRONT DOOR OF ENCLOSURE NOT SHOWN FOR CLARITY. ADJUST ENCLOSURE DIMENSIONS AS NECESSARY TO ACCOMMODATE THE RESPECTIVE CUTOUT.



SERIES PLUG CUTOUT MOUNTING DETAIL

(TYPICAL FOR 3)

NOTES

1. PROVIDE PHENOLIC ENGRAVED LEGEND PLATES FOR EACH CONSTANT CURRENT REGULATOR NOTING THE REGULATOR DESIGNATION, THE RUNWAY OR TAXIWAY SERVED AND THE POWER SOURCE AND CIRCUIT NUMBER.
2. EACH PLUG CUTOUT CABINET SHALL BE FURNISHED WITH A PHENOLIC ENGRAVED LEGEND PLATE THAT IDENTIFIES THE RESPECTIVE CIRCUIT OR REGULATOR.
3. PROVIDE PHENOLIC ENGRAVED LEGEND PLATES FOR EACH CUTOUT TO IDENTIFY THE RESPECTIVE CUTOUT INPUT CONNECTION AND THE RESPECTIVE CUTOUT OUTPUT CONNECTION.
4. PROVIDE ADEQUATE WORKING SPACE IN FRONT OF EACH CUTOUT ENCLOSURE TO MEET NEC CLEARANCE REQUIREMENTS.
5. PROVIDE WARNING SIGN ON VAULT DOOR LABELED "DANGER - HIGH VOLTAGE - KEEP OUT" PER THE REQUIREMENTS OF NEC 110.34 (c).
6. LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE U.L. LISTED SUITABLE FOR GROUNDING. LIQUID TIGHT FLEXIBLE METAL CONDUIT THAT IS NOT LISTED SUITABLE FOR GROUNDING SHALL REQUIRE AN EXTERNAL OR INTERNAL #6 AWG COPPER BONDING JUMPER WITH APPROPRIATE GROUNDING FITTINGS OR LUGS. LIQUID TIGHT FLEXIBLE METAL CONDUIT THAT IS USED FOR FLEXIBILITY (INCLUDING CONNECTIONS TO CCR'S & TRANSFORMERS) SHALL REQUIRE AN EXTERNAL BONDING JUMPER OR INTERNAL EQUIPMENT GROUNDING CONDUCTOR PER NEC 350.60.

LEGEND

- "I" DENOTES PLUG CUTOUT WITH PLUG INSERTED
- "P" DENOTES PLUG CUTOUT WITH PLUG PULLED
- "CCR" DENOTES CONSTANT CURRENT REGULATOR

REVISION	DATE	BY

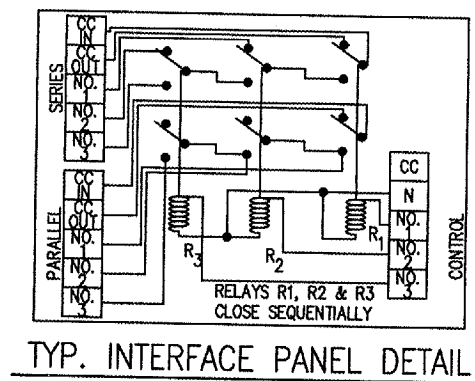
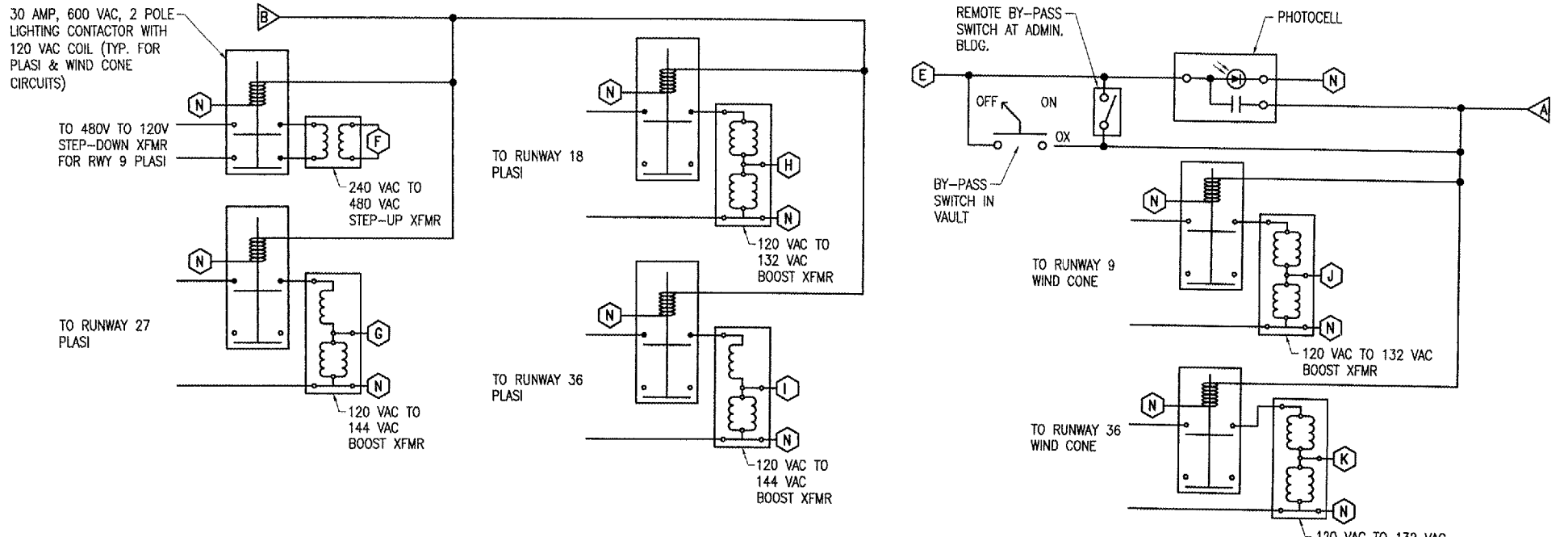
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

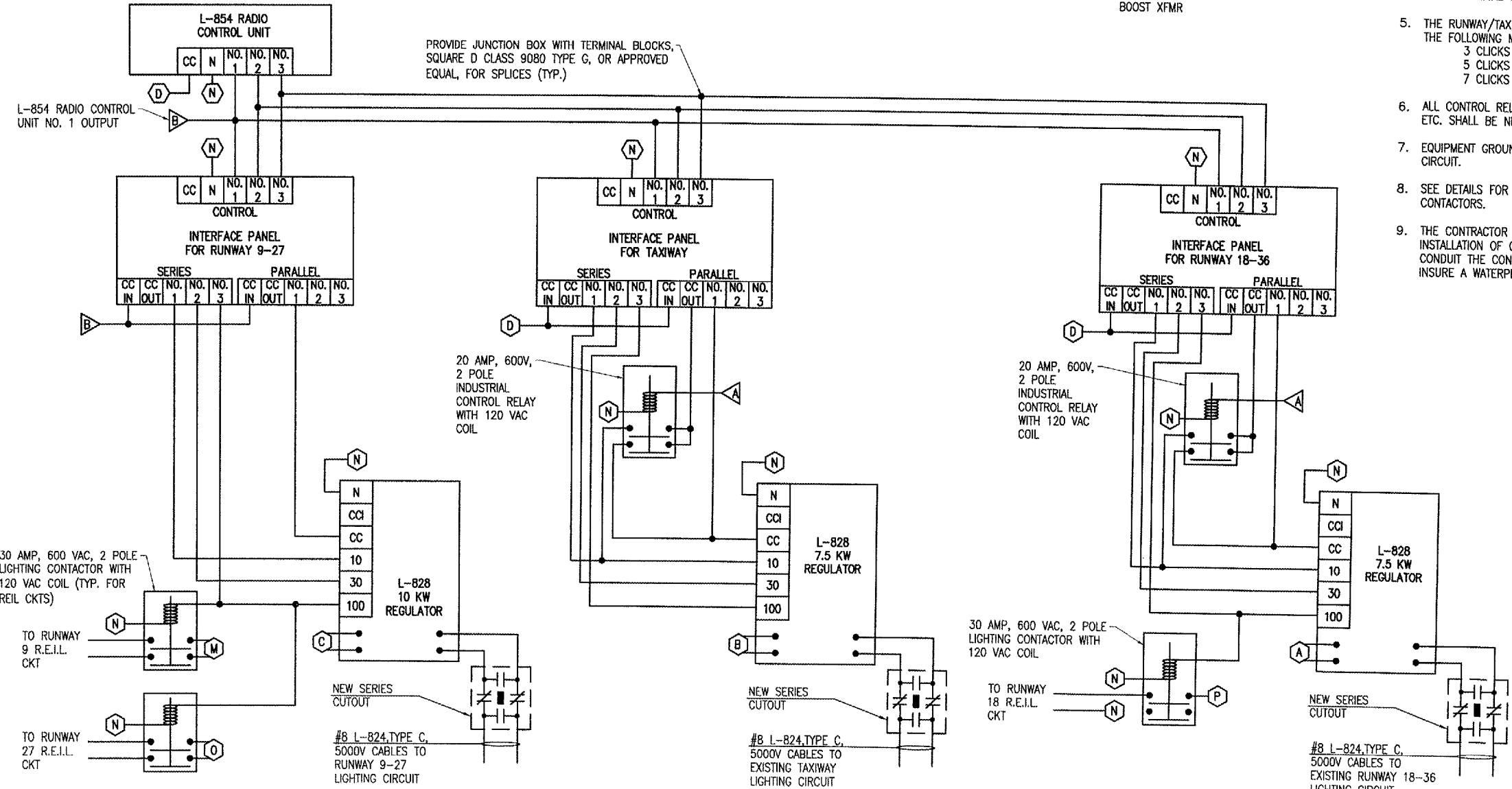
HEL Project No. 828-03RWYGD_0800	Filename E-604.DWG	Scale NO SCALE	Date 04/22/05
LAYOUT	KNL	02/03/05	02/03/05
DRAWN	MV	02/03/05	02/03/05
REVIEWED	CAH	02/03/05	02/03/05



CONSTRUCT
RUNWAY 9-27
HIGH VOLTAGE
WIRING SCHEMATIC



- NOTES
- ALL ELECTRICAL EQUIPMENT WILL BE WIRED IN ACCORDANCE WITH THE SCHEMATIC WIRING DIAGRAM AND ALL APPLICABLE CODES.
 - ALL CONTROL CABLE WILL BE NO. 12 AWG, 600 VOLT CABLE.
 - ALL ELECTRICAL EQUIPMENT WILL BE PROPERLY LABELED AND ALL ELECTRICAL CABLES WILL BE TAGGED.
 - ALL ELECTRICAL CABLES INSIDE THE VAULT WILL BE IN CONDUIT OR DUCT.
 - THE RUNWAY/TAXIWAY CIRCUITS WILL BE CONTROLLED BY THE L-854 RADIO CONTROL UNIT IN THE FOLLOWING MANNER:
3 CLICKS - 10% BRIGHTNESS
5 CLICKS - 30% BRIGHTNESS
7 CLICKS - 100% BRIGHTNESS
 - ALL CONTROL RELAYS, INTERFACE PANELS, RADIO CONTROL UNIT, PHOTOCELL, CONTROL WIRING, ETC. SHALL BE NEW UNLESS OTHERWISE NOTED.
 - EQUIPMENT GROUND WIRES SHALL BE INCLUDED WITH EACH BRANCH CIRCUIT & EACH CONTROL CIRCUIT.
 - SEE DETAILS FOR REQUIREMENTS ON RELAY PANEL WITH CONTROL RELAYS & LIGHTING CONTACTORS.
 - THE CONTRACTOR WILL HAVE TO CUT A HOLE IN THE PROPOSED VAULT ROOF TO ALLOW THE INSTALLATION OF ONE CONDUIT FOR THE PROPOSED PHOTO-CELL. AFTER INSTALLING THE CONDUIT THE CONTRACTOR WILL SEAL AROUND THE CONDUIT WITH AN APPROVED SEALANT TO INSURE A WATERPROOF BARRIER.



- SHEET LEGEND
- (A) PANEL A CKT 6, 8 (RWY 18-36 CCR)
 - (B) PANEL A CKT 10, 12 (TXY CCR)
 - (C) PANEL B CKT 1, 3 (RWY 9-27 CCR)
 - (D) PANEL A CKT 5 (RADIO CONTROL)
 - (E) PANEL A CKT 7 (PHOTOCELL)
 - (F) PANEL B CKT 5, 7 (RWY 9 PLASI)
 - (G) PANEL B CKT 9 (RWY 27 PLASI)
 - (H) PANEL A CKT 13 (RWY 18 PLASI)
 - (I) PANEL A CKT 15 (RWY 36 PLASI)
 - (J) PANEL B CKT 11 (RWY 9 WIND CONE)
 - (K) PANEL A CKT 11 (RWY 36 WIND CONE)
 - (L) (RESERVED)
 - (M) PANEL B CKT 2, 4 (RWY 9 REILS)
 - (N) N DESIGNATES NEUTRAL FROM THE RESPECTIVE PANEL THAT POWERS THE DEVICE. FOR CONTROL CIRCUIT INPUTS TO CCR'S N SHALL BE FROM THE RESPECTIVE INTERFACE PANEL CIRCUIT NEUTRAL CONNECTION.
 - (O) PANEL B CKT 6, 8 (RWY 27 REILS)
 - (P) PANEL A CKT 17, (RWY 18 REILS)

AIRFIELD LIGHTING SCHEMATIC WIRING DIAGRAM

DATE _____ REVISION _____ BY _____

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

REVISED	CAH	03/28/05
DRAWN	MV	02/16/05
LAYOUT	KNL	02/16/05

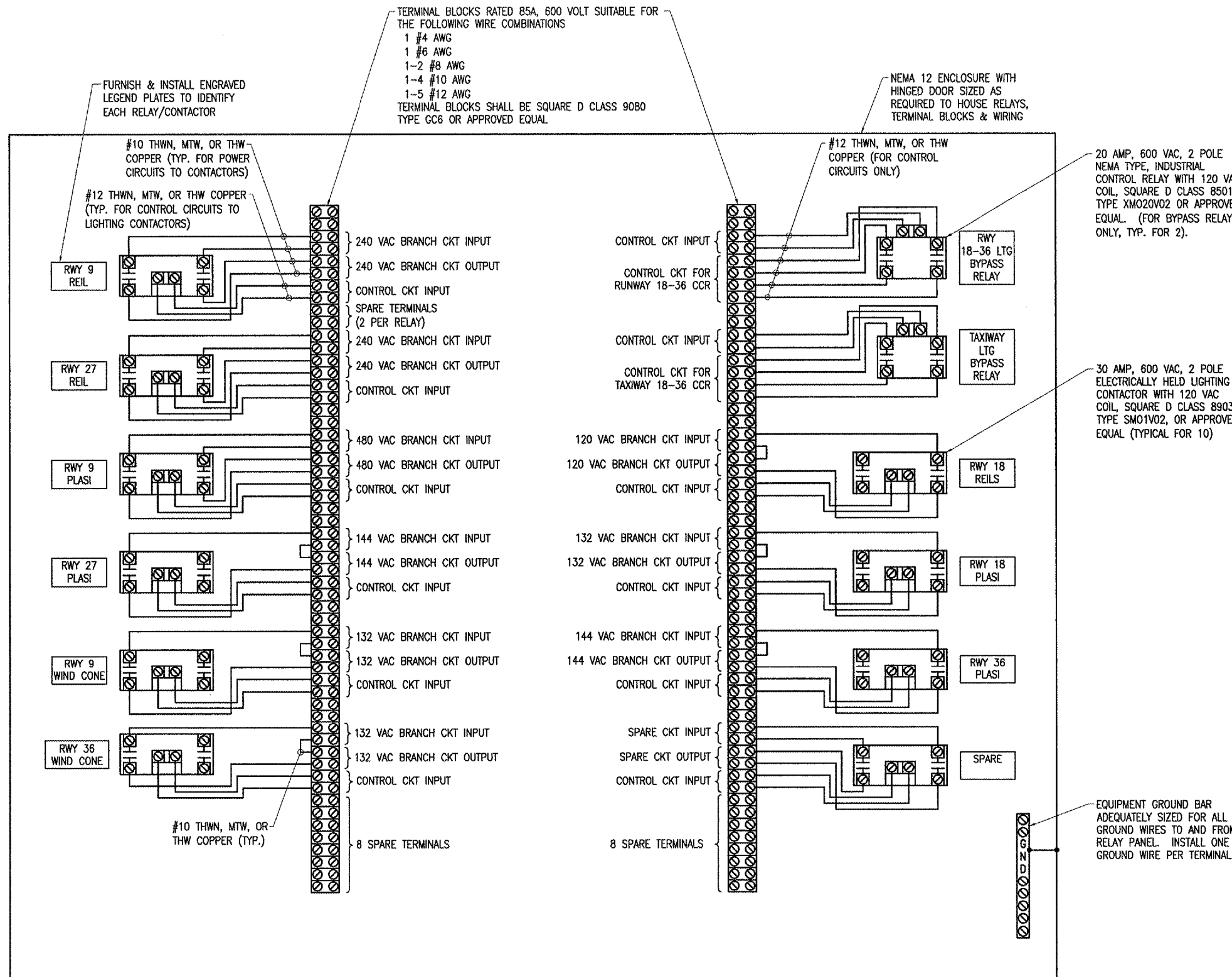
HAUSON
Hanson Professional Services Inc.
1525 S. Illinois St.
Springfield, Illinois 62703-2886
Offices Nationwide

CONSTRUCT RUNWAY 9-27 AIRFIELD LIGHTING WIRING SCHEMATIC

71
71 of 127 sheets

APR 28, 2005 8:14 AM DWG
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NOTES

- 15 AMP & 20 AMP INPUT POWER/BRANCH CIRCUITS SHALL BE #10 AWG COPPER THWN FROM THE RESPECTIVE POWER SOURCE TO THE RELAY PANEL.
- INPUT CONTROL CIRCUIT WIRING SHALL BE #12 AWG COPPER THWN.
- FOR 120 VAC BRANCH CIRCUITS (AND 480 VAC OR 600 VAC PHASE TO NEUTRAL CIRCUITS WHERE APPLICABLE) THE NEUTRAL CONDUCTOR SHALL NOT BE SWITCHED THROUGH THE RELAY CONTACTS. USE TERMINAL BLOCKS TO TRANSITION FROM VAULT BRANCH CIRCUIT WIRING TO FIELD WIRING.
- PROVIDE 2-POSITION MAINTAINED CONTACT "OFF-ON" SELECTOR SWITCH FOR PHOTOCELL BYPASS CONTROL & MOUNT ON RELAY PANEL ENCLOSURE DOOR. SELECTOR SWITCH SHALL BE SQUARE D CLASS 9001, TYPE KS11FBH13 OR APPROVED EQUAL. INCLUDE LEGEND PLATE LABELED "PHOTOCELL BYPASS".
- PROVIDE #10 AWG COPPER BONDING JUMPER FROM PANEL ENCLOSURE FRAME TO ENCLOSURE DOOR.

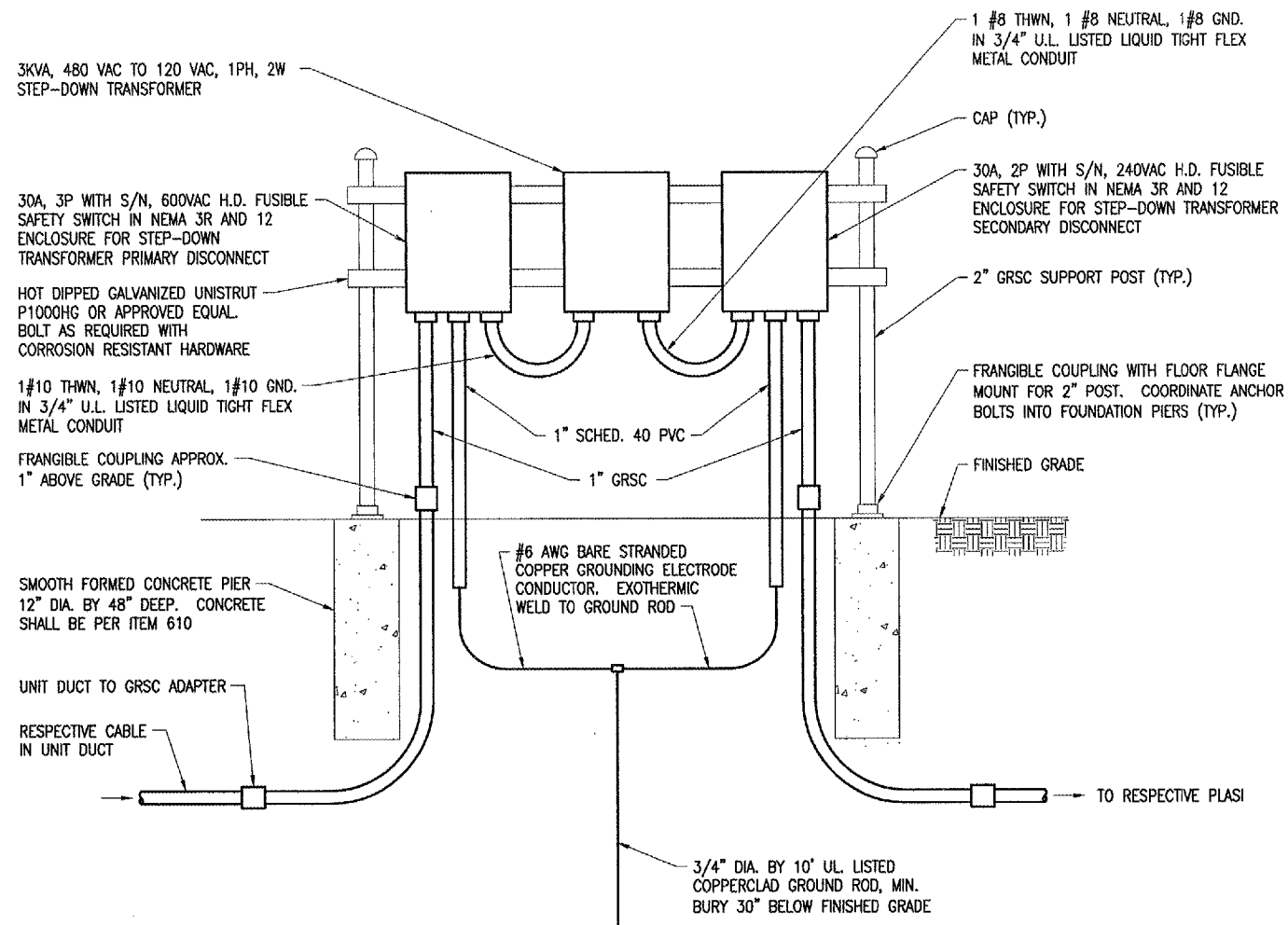
REVISION	DATE	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

Project No. B28-03RWYGD_0800	02/03/05
Drawings E-605.DWG	02/03/05
Scale NO. SCALE	02/03/05
Date 04/22/05	02/03/05
LAYOUT KNL	CAH
DRAWN MV	CAH
REVIEWED CAH	CAH

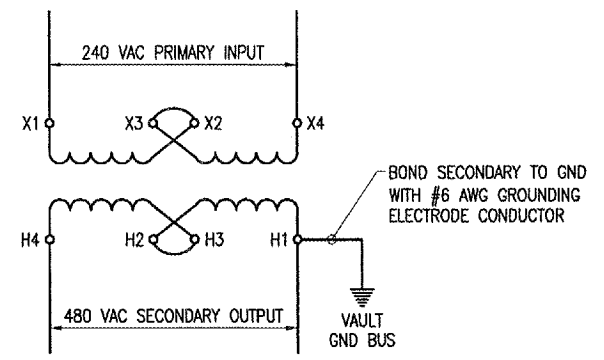


CONSTRUCT
 RUNWAY 9-27
 RELAY PANEL DETAIL



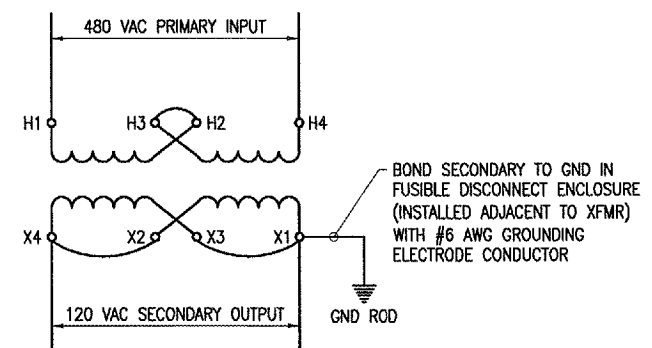
- NOTES**
1. SEE VAULT ELECTRICAL ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION ON EQUIPMENT AND WIRING.
 2. FIELD VERIFY LOCATION OF STEP-DOWN TRANSFORMER INSTALLATION WITH RESIDENT ENGINEER.
 3. LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE U.L. LISTED SUITABLE FOR GROUNDING AND SUNLIGHT RESISTANT.

RUNWAY 9 PLASI STEP-DOWN TRANSFORMER ELEVATION



NOTES: CONFIRM WIRING WITH RESPECTIVE TRANSFORMER MFR.

240 VAC TO 480 VAC STEP UP TRANSFORMER CONNECTION DIAGRAM FOR ACME T-2-53013-S TRANSFORMER



NOTES: CONFIRM WIRING WITH RESPECTIVE TRANSFORMER MFR.

480 VAC TO 120 VAC STEP DOWN TRANSFORMER CONNECTION DIAGRAM FOR ACME T-2-53013-S TRANSFORMER

REVISION	DATE	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

FILE PROJECT No. 828-03RWYGD 0800	DATE 02/03/05
FILE No. E-502.DWG	DRAWN BY KNL
Scale NONE	REVIEWED BY MW
Date 04/22/05	DATE 02/03/05
LAYOUT	REVIEWED BY CAH



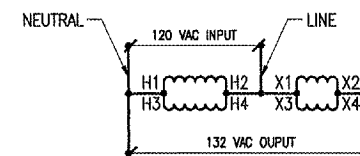
CONSTRUCT
RUNWAY 9-27

ELECTRICAL DETAILS

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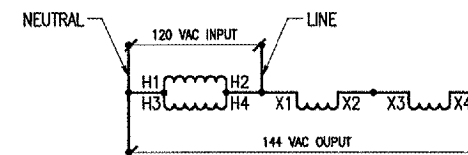
VAULT LEGEND PLATE SCHEDULE	
DEVICE	LABEL
SERVICE PANELBOARD "A"	SERVICE PANEL "A" 120/240 VAC, 1 PH, 3 W
MAIN BREAKER IN SERVICE PANEL "A"	SERVICE DISCONNECT
PANELBOARD "B"	PANEL "B" 120/240 VAC, 1 PH, 3 W
RUNWAY 18-36 CCR	RUNWAY 18-36
TAXIWAY CCR	NORTH-SOUTH TAXIWAY
RUNWAY 9-27 CCR	RUNWAY 9-27
CUTOUT ENCLOSURE FOR RUNWAY 18-36	RUNWAY 18-36 CUTOUT
CUTOUT ENCLOSURE FOR TAXIWAY	NORTH-SOUTH TAXIWAY CUTOUT
CUTOUT ENCLOSURE FOR RUNWAY 9-27	RUNWAY 9-27 CUTOUT
EACH CUTOUT INPUT SIDE CONNECTION	INPUT
EACH CUTOUT OUTPUT SIDE CONNECTION	OUTPUT
RADIO INTERFACE PANEL FOR RUNWAY 18-36	RUNWAY 18-36
RADIO INTERFACE PANEL FOR TAXIWAY	NORTH-SOUTH TAXIWAY
RADIO INTERFACE PANEL FOR RUNWAY 9-27	RUNWAY 9-27
RELAY PANEL	RELAY PANEL FOR AIRFIELD LIGHTING EQUIPMENT
STEP-UP TRANSFORMER FOR RUNWAY 9 PLASI	STEP-UP XFMR RWY 9 PLASI 240 V TO 480 V
PRIMARY DISCONNECT FOR STEP-DOWN TRANSFORMER SERVING RUNWAY 9 PLASI	STEP-DOWN XFMR DISCONNECT, 480V FED FROM VAULT
STEP-DOWN TRANSFORMER FOR RUNWAY 9 PLASI	STEP-DOWN XFMR RWY 9 PLASI 480 V TO 120 V
SECONDARY DISCONNECT FOR STEP-DOWN TRANSFORMER SERVING RUNWAY 9 PLASI	RWY 9 PLASI DISCONNECT, 120V
BOOST TRANSFORMER FOR RUNWAY 18 PLASI	RWY 18 PLASI
BOOST TRANSFORMER FOR RUNWAY 36 PLASI	RWY 36 PLASI
BOOST TRANSFORMER FOR RUNWAY 27 PLASI	RWY 27 PLASI
BOOST TRANSFORMER FOR RUNWAY 36 WIND CONE	RWY 36 WIND CONE
BOOST TRANSFORMER FOR RUNWAY 9 WIND CONE	RWY 9 WIND CONE
LOW VOLTAGE WIREWAY (PROVIDE 4 LEGEND PLATES 1/2" HIGH BLACK LETTERS WHITE BACKGROUND)	LOW VOLTAGE
HIGH VOLTAGE WIREWAY (PROVIDE 4 LEGEND PLATES 1/2" HIGH BLACK LETTERS WHITE BACKGROUND)	HIGH VOLTAGE
VAULT GROUND BUS (PROVIDE 4 LEGEND PLATES 1/2" HIGH WHITE LETTERS GREEN BACKGROUND)	VAULT GROUND BUS

NOTE: LEGEND PLATES SHALL BE WEATHERPROOF ENGRAVED PLASTIC OR PHENOLIC MATERIAL, 1/4" HIGH BLACK LETTERS ON A WHITE BACKGROUND UNLESS NOTED OTHERWISE. SECURE WITH WEATHERPROOF ADHESIVE AND MACHINE SCREWS. FURNISH ADDITIONAL LEGEND PLATES WHERE REQUIRED BY CODE, FOR ADDITIONAL EQUIPMENT, AS DETAILED HEREIN ON THE PLANS, AND AS NOTED IN THE SPECIAL PROVISION SPECIFICATIONS.



NOTE:
CONFIRM WIRING WITH RESPECTIVE
TRANSFORMER MFR.

120 VAC TO 132 VAC BOOST TRANSFORMER
CONNECTION DIAGRAM FOR SQUARE D
CAT. NO. 250SV43B OR CAT. NO. 500SV43B TRANSFORMER



NOTE:
CONFIRM WIRING WITH RESPECTIVE
TRANSFORMER MFR.

120 VAC TO 144 VAC BOOST TRANSFORMER
CONNECTION DIAGRAM FOR SQUARE D
CAT. NO. 500SV43B TRANSFORMER

DATE	REVISION	BY

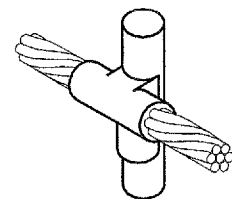
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0100-B7
IL PROJ.: TAZ-3166

H.I. Project No. 828-03RWYGD_0800	Scale 04/22/05	LAYOUT KNL 02/03/05
Drawn E-603.DWG	Scale NONE	DRAWN MV 02/03/05
Scale NONE	Scale 04/22/05	REVIEWED CAH 02/03/05

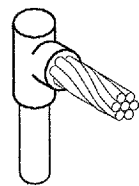


CONSTRUCT
RUNWAY 9-27
LEGEND PLATE SCHEDULE
AND TRANSFORMER
WIRING DIAGRAMS

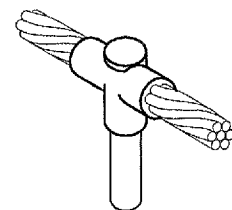
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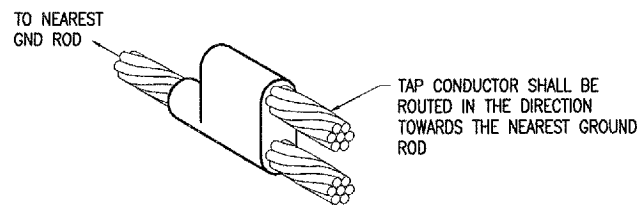
CABLE TO GROUND ROD



CABLE TO GROUND ROD



CABLE TO GROUND ROD

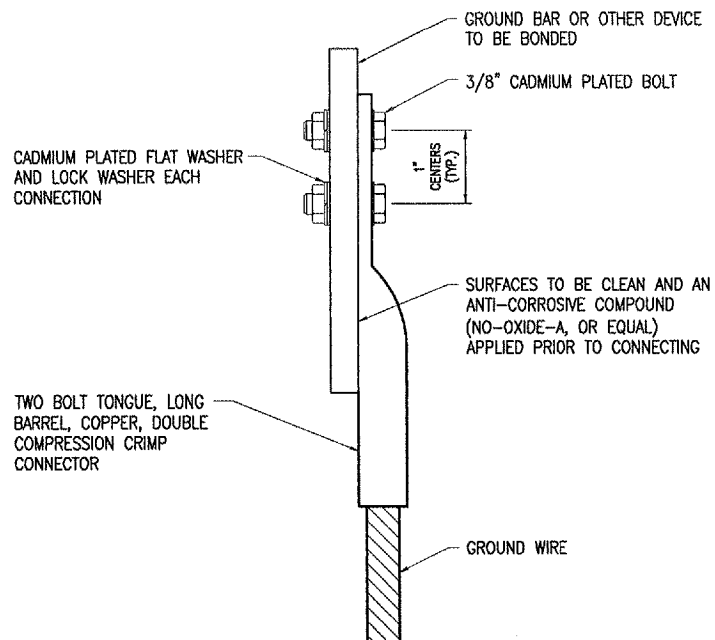


CABLE TO CABLE
HORIZONTAL PARALLEL TAP

DETAIL NOTES

- EXOTHERMIC WELDS SHALL BE CADWELD AS MANUFACTURED BY ERICO PRODUCTS, SOLON, OHIO OR THERMOWELD AS MANUFACTURED BY CONTINENTAL INDUSTRIES, TULSA, OKLAHOMA. VERIFY PROPER SIZES, TYPES, AND REQUIREMENTS FOR THE RESPECTIVE APPLICATION WITH THE MANUFACTURER, AND INSTALL PER THEIR DIRECTIONS.
- FOR APPLICATIONS TO METAL SURFACES THAT ARE LESS THAN 3/16" THICK CONTACT THE EXOTHERMIC WELD MANUFACTURER FOR DIRECTION AND INSTRUCTION ON EXOTHERMIC WELD INSTALLATION TO THE RESPECTIVE SURFACE.
- FOR APPLICATIONS TO GALVANIZED STEEL OR PAINTED STEEL, REMOVE GALVANIZING AND/OR PAINT & CLEAN THE SURFACE TO EXPOSE BARE STEEL BEFORE MAKING EXOTHERMIC WELD CONNECTION.
- INDIVIDUAL GROUNDING ELECTRODE CONDUCTORS SHALL NOT BE INSTALLED IN METAL CONDUIT. INSTALL GROUNDING ELECTRODE CONDUCTORS IN SCHED 40 PVC CONDUIT AS REQUIRED IN FOUNDATIONS, FOR PROTECTION, WHERE ENTERING ENCLOSURES, ETC.

EXOTHERMIC WELD DETAILS

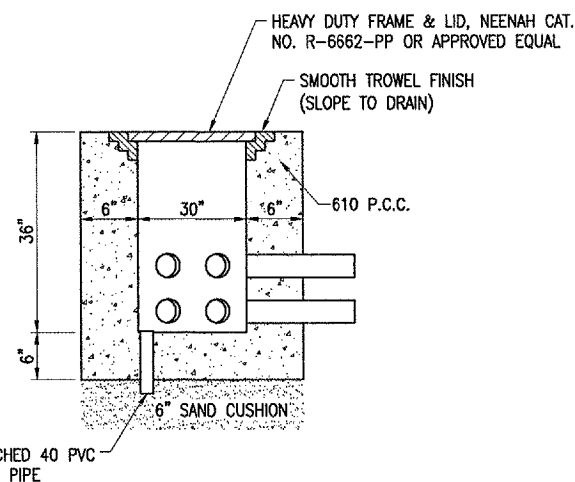
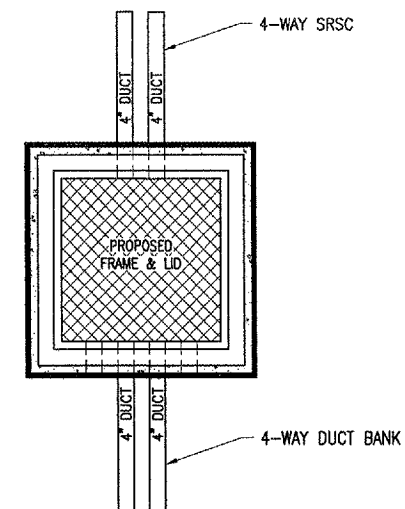


2 HOLE LONG BARREL COMPRESSION LUG TABLE		
WIRE SIZE	BURNDY CAT. NO.	THOMAS & BETTS CAT. NO.
#6 AWG STRANDED	YA6C-2TC38	256-30695-1158
#2 AWG STRANDED	YA2C-2TC38	256-30695-1160
#1/0 AWG STRANDED	YA25-2TC38	256-30695-1162
#2/0 AWG STRANDED	YA26-2TC38	256-30695-1116
#3/0 AWG STRANDED	YA27-2TC38	54816BE

NOTES

- ALL CONNECTIONS TO GROUND BUS BAR SHALL BE WITH 2 HOLE TONGUE LONG BARREL COMPRESSION LUGS BOLTED TO THE BUS BAR.
- GROUND WIRE CONNECTIONS TO EQUIPMENT SHALL BE WITH 2 HOLE TONGUE LONG BARREL COMPRESSION LUGS BOLTED TO THE DEVICE OR WITH THE RESPECTIVE EQUIPT MANUFACTURER'S LUG OR TERMINAL WHERE APPLICABLE.
- GROUNDING ELECTRODE CONDUCTORS, BONDING JUMPERS, & INDIVIDUAL GROUND WIRES SHALL NOT BE INSTALLED IN METAL CONDUIT.
- ALL CONNECTIONS SHALL BE COATED WITH A CORROSION PREVENTATIVE COMPOUND (NO-OXIDE-A, OR EQUAL) BEFORE JOINING. ALL COPPER BUS BARS SHALL BE CLEANED PRIOR TO MAKING CONNECTIONS TO REMOVE SURFACE OXIDATION. CLEAN SURFACES, OF RESPECTIVE DEVICES TO BE BONDED, TO BARE METAL, PER NEC 250-12.

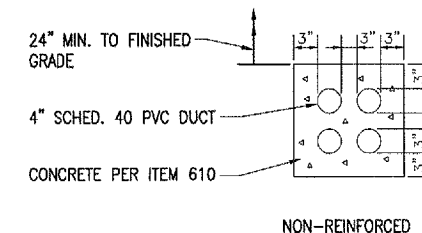
GROUNDING LUG CONNECTION DETAIL



NOTE:

LIDS FOR LOW VOLTAGE HANDHOLES SHALL BE LABELED "LOW VOLTAGE". LIDS FOR HIGH VOLTAGE HANDHOLES SHALL BE LABELED "HIGH VOLTAGE". COORDINATE LETTERING WITH MFR.

ELECTRICAL HANDHOLE DETAIL



NOTES:

- ALL DIMENSIONS ARE MINIMUM.

CONCRETE ENCASED DUCT DETAIL

(4-WAY SHOWN)

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

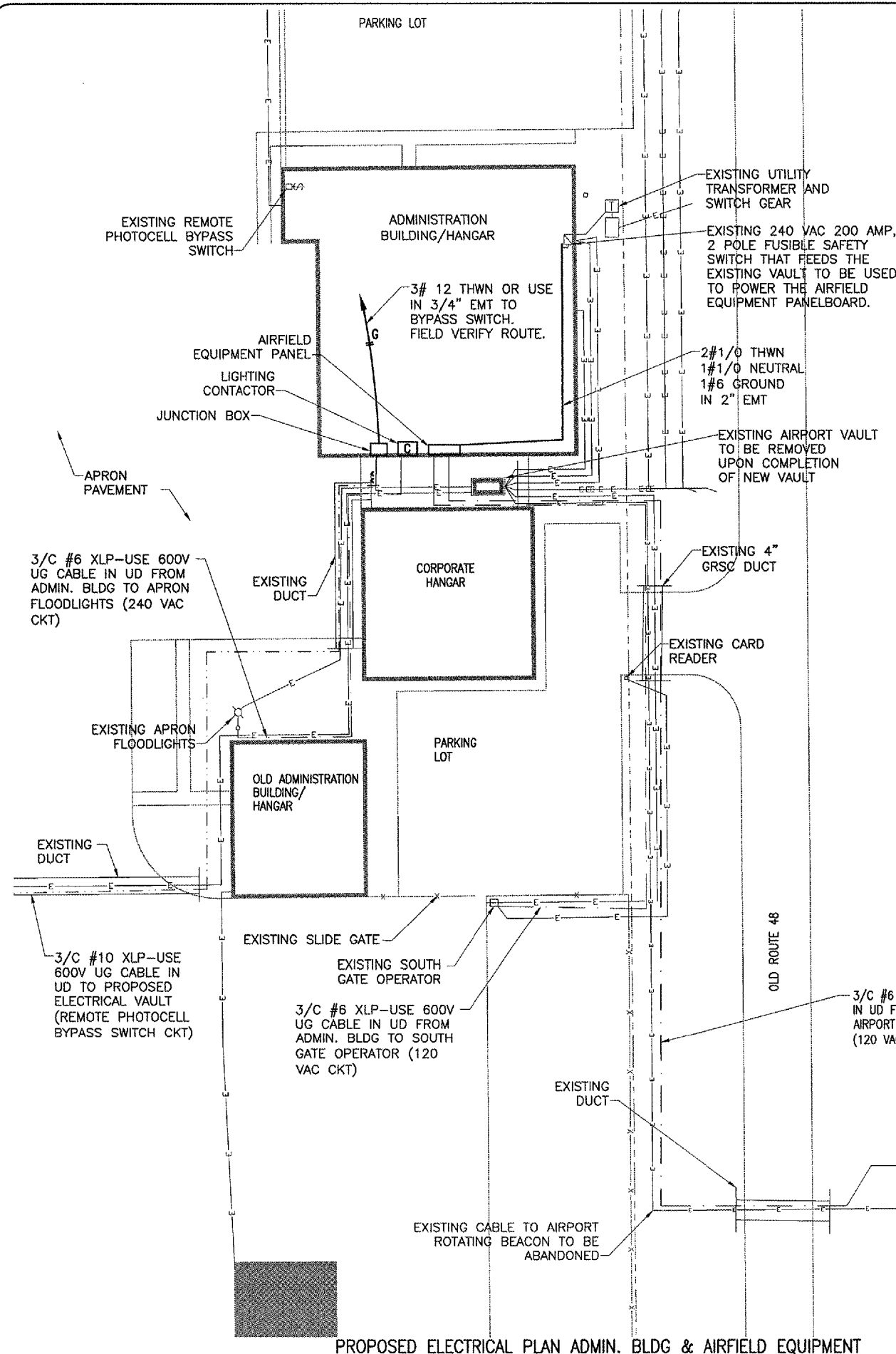
IL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

FILED	PROJECT NO. 828-03RWYGD, 0800
DATE	04/22/05
SCALE	NO SCALE
FILED	E-501.DWG
LAYOUT	KNL 02/03/05
DRAWN	KW 02/03/05
REVIEWED	CAH 02/03/05



CONSTRUCT RUNWAY 9-27
ELECTRICAL AND GROUNDING DETAILS

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NOTES

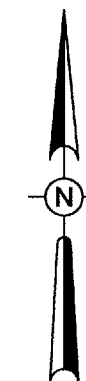
1. CONTRACTOR SHALL COORDINATE WORK AND ANY POWER OUTAGES WITH THE AIRPORT MANAGER AND THE RESIDENT ENGINEER. ANY SHUTDOWN OF EXISTING SYSTEMS SHALL BE SCHEDULED WITH AND APPROVED BY THE AIRPORT MANAGER, PRIOR TO SHUTDOWN.
2. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, & THEN PROVIDE TEMPORARY CONNECTIONS, ADJUSTMENTS, ADDITIONS, RELOCATIONS, AND/OR REPLACEMENTS OF EXISTING UNDERGROUND UTILITIES, DUCTS, CABLES, ETC. THE CONTRACTOR SHALL LOCATE, IDENTIFY, AND REPLACE EXISTING CIRCUITS FOR THE APRON FLOODLIGHTS, AIRPORT ROTATING BEACON, NON-DIRECTIONAL BEACON, & SOUTH GATE OPERATOR AS REQUIRED TO INTERFACE TO THE NEW AIRFIELD EQUIPMENT PANELBOARD. CONDUITS SHALL ENTER THE HANGAR BUILDING 24" MINIMUM ABOVE THE FINISHED FLOOR TO COMPLY WITH NEC 513. PROVIDE 2" GRSC AND LB CONDULET FITTINGS WHERE CABLE IN UNIT DUCT EMERGES FROM GRADE AND ENTERS THE ADMINISTRATION BUILDING/HANGAR.
3. PER NEC 513 THE ENTIRE AREA OF THE HANGAR INCLUDING ANY ADJACENT AND COMMUNICATING AREAS NOT SUITABLE CUT OFF FROM THE HANGAR, SHALL BE CLASSIFIED AS A CLASS 1, DIVISION 2 HAZARDOUS LOCATION UP TO A LEVEL 18 INCHES ABOVE THE FLOOR. AREAS IN THE VICINITY OF AIRCRAFT ARE ALSO CLASSIFIED AS HAZARDOUS AS DEFINED BY NEC 513. ALL ELECTRICAL INSTALLATIONS IN CLASSIFIED HAZARDOUS LOCATIONS SHALL BE AVOIDED UNLESS SPECIFICALLY APPROVED FOR SUCH LOCATIONS AND INSTALLED IN CONFORMANCE WITH NEC 500, 501, AND 513 AS WELL AS ANY OTHER APPLICABLE CODES AND REQUIREMENTS.
4. ALL ELECTRICAL EQUIPMENT INSTALLED IN THE ADMINISTRATION BUILDING/HANGAR SHALL BE PAID FOR UNDER ITEM AR109200 INSTALL ELECTRICAL EQUIPMENT PER LUMP SUM. 3/C #6 XLP-USE 600V UG CABLE IN UNIT DUCT FROM THE ADMINISTRATION BUILDING TO THE AIRPORT ROTATING BEACON AND NDB, APRON FLOOD LIGHTS, AND SOUTH GATE OPERATOR SHALL BE PAID FOR UNDER ITEM AR109200. CONTROL CABLE IN UNIT DUCT FROM THE NEW VAULT TO THE REMOTE PHOTOCELL BY-PASS SWITCH IN THE ADMINISTRATION BUILDING SHALL BE PAID FOR UNDER ITEM AR109200. GROUND ROD & WIRING AT THE AIRPORT ROTATING BEACON & SAFETY SWITCH AT NDB SHALL BE PAID FOR UNDER ITEM AR109200.
5. EXISTING POWER AND CONTROL CIRCUITS TO OR FROM THE EXISTING VAULT SHALL BE ABANDONED IN PLACE OR REMOVED WHERE APPLICABLE TO AVOID INTERFERENCES WITH NEW WORK.
6. ALL EQUIPMENT AND CABLE NOT LABELED AS EXISTING IS NEW.

LEGEND

- EXISTING IMPROVEMENTS/PAVEMENTS
- EXISTING BUILDINGS
- EXISTING ELECTRICAL DUCT
- EXISTING UNDERGROUND ELECTRICAL CABLE
- EXISTING FENCE
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING TELEPHONE LINE
- EXISTING AIRPORT ROTATING BEACON
- PROPOSED 3/C #6 XLP-USE 600 V UG CABLE IN UD
- PROPOSED 3/C #10 XLP-USE 600 V UG CABLE IN UD

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.



0' 10' 20' 40'
 HALF SIZE SCALE 1" = 40'
 FULL SIZE SCALE 1" = 20'

DATE	REVISION

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 A.I.P. PROJ.: 3-17-0100-B7
 I.L. PROJ.: TAZ-3166

REVISED	DATE	BY
JMB	02/05/04	
JMB	02/05/04	
CAH	03/28/05	

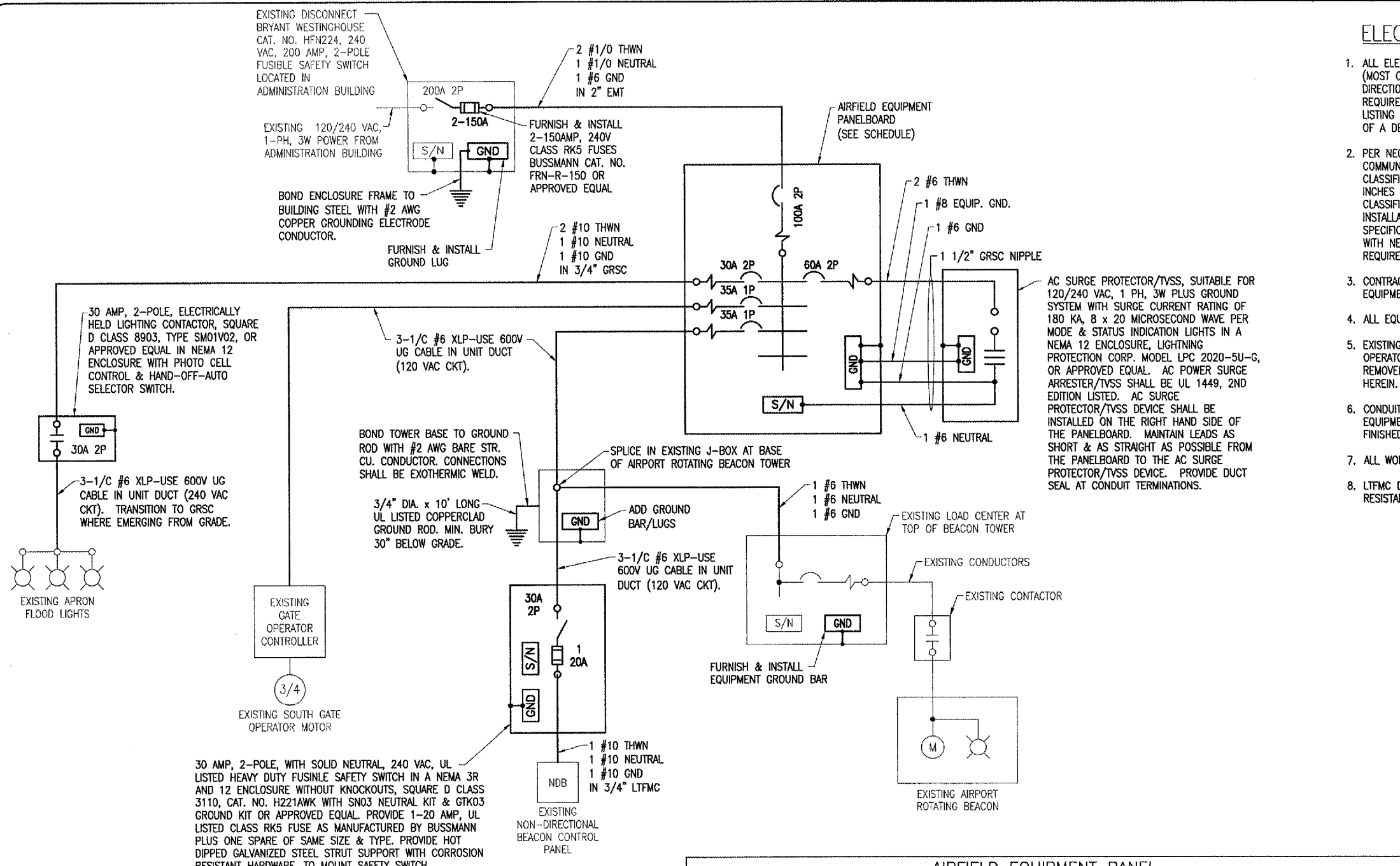


CONSTRUCT
 RUNWAY 9-27
 PROPOSED ELECTRICAL
 SITE PLAN
 FOR ADMIN. BLDG.

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ELECTRICAL NOTES

1. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 (MOST CURRENT ISSUE IN FORCE), THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, ETL LISTING (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
2. PER NEC 513 THE ENTIRE AREA OF THE HANGAR INCLUDING ANY ADJACENT AND COMMUNICATING AREAS NOT SUITABLE CUT OFF FROM THE HANGAR, SHALL BE CLASSIFIED AS A CLASS I, DIVISION 2 HAZARDOUS LOCATION UP TO A LEVEL 18 INCHES ABOVE THE FLOOR. AREAS IN THE VICINITY OF AIRCRAFT ARE ALSO CLASSIFIED AS HAZARDOUS AS DEFINED BY NEC 513. ALL ELECTRICAL INSTALLATIONS IN CLASSIFIED HAZARDOUS LOCATIONS SHALL BE AVOIDED UNLESS SPECIFICALLY APPROVED FOR SUCH LOCATIONS AND INSTALLED IN CONFORMANCE WITH NEC 500, 501, AND 513 AS WELL AS ANY OTHER APPLICABLE CODES AND REQUIREMENTS.
3. CONTRACTOR SHALL COORDINATE NEW WORK AND ANY POWER OUTAGES TO EXISTING EQUIPMENT WITH THE RESPECTIVE OWNER & THE AIRPORT MANAGER.
4. ALL EQUIPMENT NOT LABELED AS EXISTING IS NEW.
5. EXISTING POWER/FEEDER CABLES TO VAULT, APRON FLOOD LIGHTS, SOUTH GATE OPERATOR, AIRPORT ROTATING BEACON, AND NON-DIRECTIONAL BEACON SHALL BE REMOVED OR ABANDONED IN PLACE AND REPLACED WITH NEW CABLE AS DETAILED HEREIN.
6. CONDUITS FROM AIRFIELD EQUIPMENT PANELBOARD TO RESPECTIVE AIRFIELD EQUIPMENT SHALL EXIT THE ADMINISTRATION BUILDING/HANGAR 24" MINIMUM ABOVE FINISHED FLOOR.
7. ALL WORK SHOWN ON THIS SHEET SHALL BE PAID FOR UNDER ITEM AR109200.
8. LTFMC DENOTES LIQUID TIGHT FLEXIBLE METAL CONDUIT UL LISTED, SUNLIGHT RESISTANT, AND SUITABLE FOR GROUNDING



DEVICE	LABEL
200 AMP FUSIBLE DISCONNECT THAT FEEDS THE AIRFIELD EQUIPMENT PANELBOARD	DISCONNECT AIRFIELD EQUIPT. PANEL 120/240 VAC, 1 PH, 3W 150 AMP MAX FUSE
AIRFIELD EQUIPMENT PANELBOARD	AIRFIELD EQUIPT. PANEL 120/240 VAC, 1 PH, 3 W FED FROM 200 AMP DISCONNECT AT NE CORNER OF HANGAR
APRON FLOOD LIGHTING CONTROL PANEL	APRON FLOOD LIGHTING CONTROLLER 120/240 VAC, 1 PH, 3 W
SOUTH GATE OPERATOR	SOUTH GATE OPERATOR 120 VAC, 1 PH, 2 W FED FROM AIRFIELD EQUIPT. PANEL IN ADMIN/HANGAR BLDG
J-BOX AT AIRPORT ROTATING BEACON	120 VAC, 1 PH, 2 W FED FROM AIRFIELD EQUIPT. PANEL IN ADMIN/HANGAR BLDG
SAFETY SWITCH AT NON-DIRECTIONAL BEACON	NDB 120 VAC, 1 PH, 2 W FED FROM AIRFIELD EQUIPT. PANEL IN ADMIN/HANGAR BLDG THROUGH J-BOX AT BEACON

NOTE: LEGEND PLATES SHALL BE WEATHERPROOF ENGRAVED PLASTIC OR PHENOLIC MATERIAL, 1/4" HIGH BLACK LETTERS ON A WHITE BACKGROUND UNLESS NOTED OTHERWISE. SECURE WITH WEATHERPROOF ADHESIVE AND MACHINE SCREWS. FURNISH ADDITIONAL LEGEND PLATES WHERE REQUIRED BY CODE, FOR ADDITIONAL EQUIPMENT, AS DETAILED HEREIN ON THE PLANS, AND AS NOTED IN THE SPECIAL PROVISION SPECIFICATIONS.

CKT #	DUTY	SIZE	SIZE	DUTY	CKT #
1	MAIN BREAKER	100A 2P	100A 2P	MAIN BREAKER	1
2			60A 2P	SURGE PROTECTOR/TVSS	2
3				BLANK	3
4	APRON FLOOD LIGHTS	30A 2P		BLANK	4
5				BLANK	5
6				BLANK	6
7	SOUTH GATE OPERATOR	35A 1P		BLANK	7
8				BLANK	8
9	SOUTH GATE OPERATOR	35A 1P		BLANK	9
10				BLANK	10
11	AIRPORT ROTATING BEACON & NDB	35A 1P		BLANK	11
12				BLANK	12

100 AMP, 120/240 VAC, 1 PHASE, 3 WIRE, 12 CIRCUIT PANELBOARD WITH 100 AMP, 2 POLE MAIN BREAKER IN A NEMA 1 ENCLOSURE. INCLUDE SEPARATE GROUND BAR KIT. ALL BREAKERS SHALL BE BOLT-ON TYPE WITH 10,000 AIC AT 120/240 VAC. PANELBOARD SHALL BE SQUARE D CAT. NO. NQ0D12M100CU, OR APPROVED EQUAL.

- NOTES
1. PANELBOARD BUS SHALL BE COPPER.
 2. PANELBOARD SHALL BE INSTALLED ON THE SOUTH WALL OF THE ADMINISTRATION/HANGAR BUILDING LOCATED BETWEEN THE SOUTH EXIT DOORWAY & COLUMN. LOCATE PANEL SO THAT CONDUITS EXITING THE BUILDING WILL BE IN THE TURF AREA NEAR THE EXISTING VAULT. BOTTOM OF PANEL ENCLOSURE SHALL NOT EXTEND INTO THE AREA 24" ABOVE THE HANGAR FLOOR TO COMPLY WITH NEC 513.
 3. INCLUDE PHENOLIC ENGRAVED LEGEND PLATE LABELED "AIRFIELD EQUIPMENT PANEL, 120/240 VAC, 1PH, 3W".

ELECTRICAL ONE-LINE DIAGRAM FOR MISC. AIRFIELD EQUIPMENT

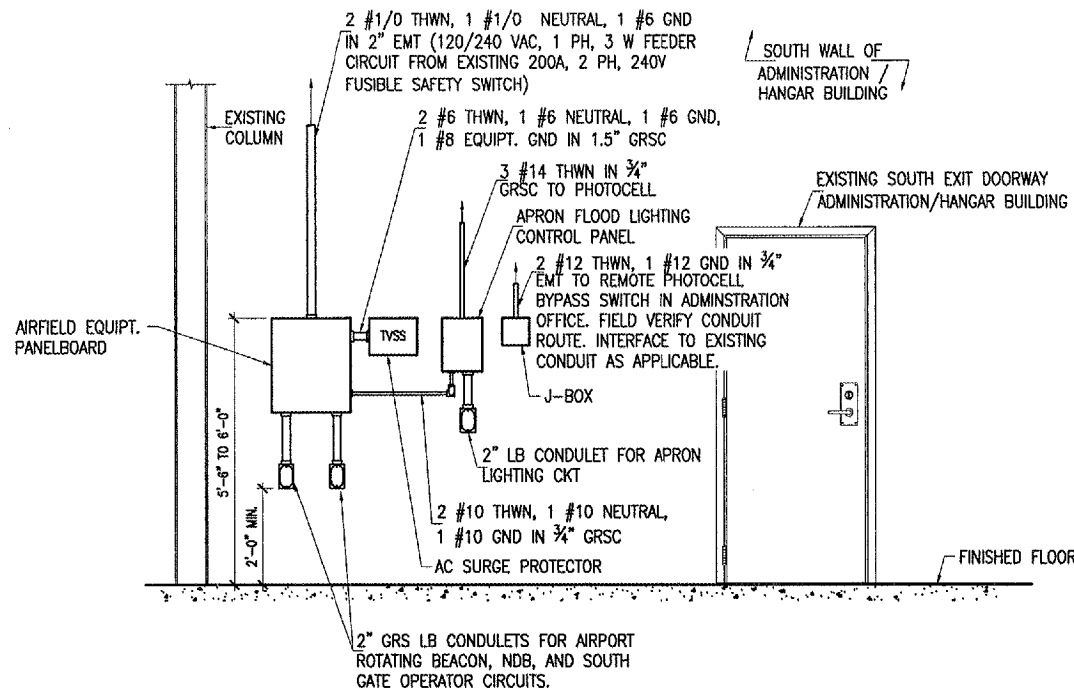
FURNISH & INSTALL A WEATHERPROOF WARNING LABEL FOR EACH METER SOCKET, PANELBOARD, LOAD CENTER, DISCONNECT & CONTROL PANEL TO WARN PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS, PER THE REQUIREMENTS OF NEC 110.16 "FLASH PROTECTION".

BY	
REVISION	
DATE	
TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, ILLINOIS	
A.I.P. PROJ.: 3-17-0100-B7	

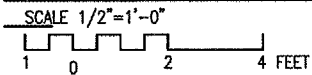
FILE PROJECT NO. B22-03RWYGD_0800	NO. SCALE	DATE
E-609.DWG		04/22/05
LAYOUT	KNL	03/01/05
DRAWN	D.A.N.	03/01/05
REVIEWED	CAH	03/01/05



CONSTRUCT RUNWAY 9-27
MISC. AIRFIELD EQUIPMENT ELECTRICAL ONE-LINE

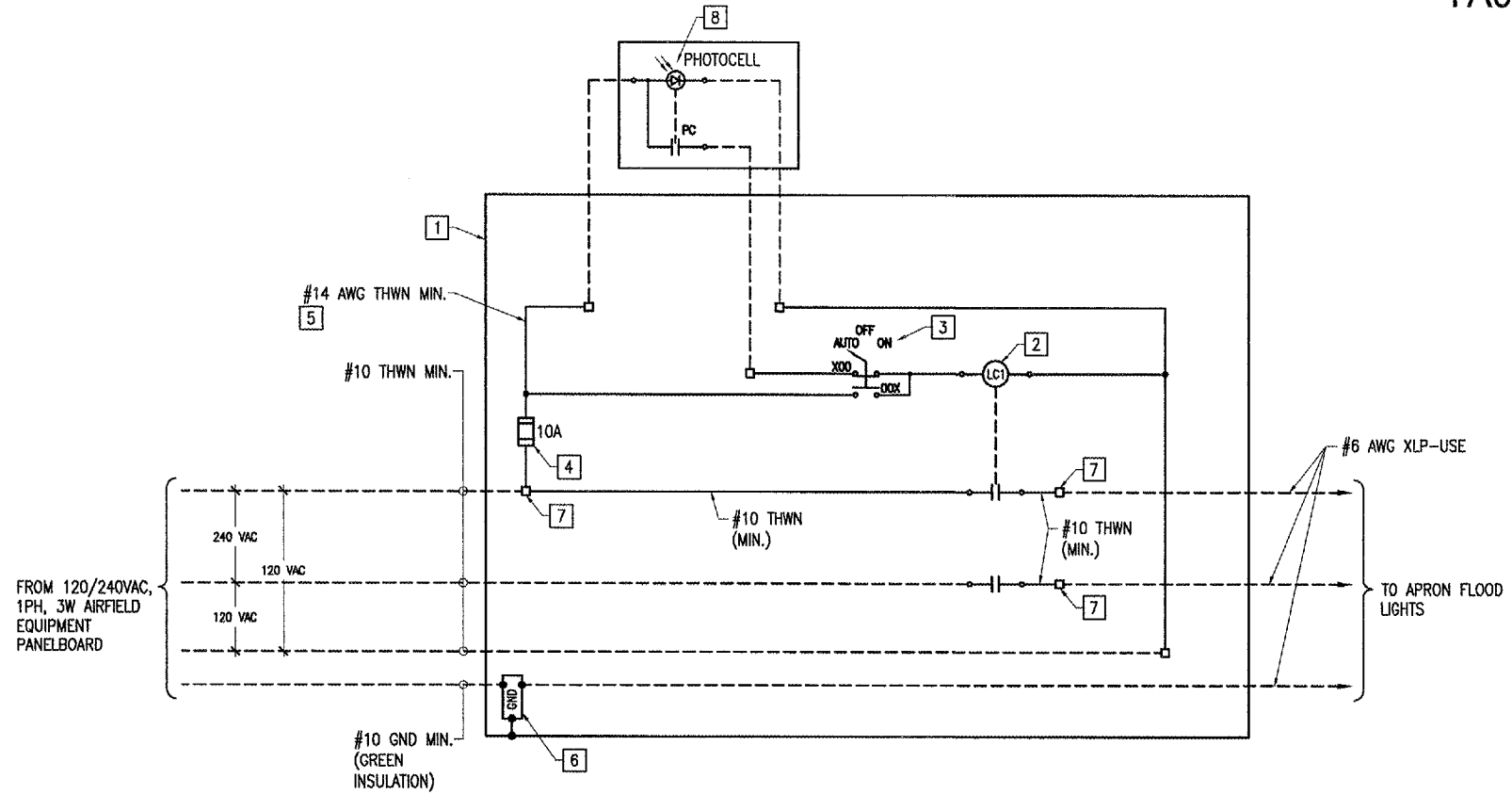


AIRFIELD EQUIPMENT PANELBOARD ELEVATION



ELECTRICAL NOTES

1. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 (MOST CURRENT ISSUE IN FORCE), THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, ETL LISTING (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
2. PER NEC 513 THE ENTIRE AREA OF THE HANGAR INCLUDING ANY ADJACENT AND COMMUNICATING AREAS NOT SUITABLE CUT OFF FROM THE HANGAR, SHALL BE CLASSIFIED AS A CLASS I, DIVISION 2 HAZARDOUS LOCATION UP TO A LEVEL 18 INCHES ABOVE THE FLOOR. AREAS IN THE VICINITY OF AIRCRAFT ARE ALSO CLASSIFIED AS HAZARDOUS AS DEFINED BY NEC 513. ALL ELECTRICAL INSTALLATIONS IN CLASSIFIED HAZARDOUS LOCATIONS SHALL BE AVOIDED UNLESS SPECIFICALLY APPROVED FOR SUCH LOCATIONS AND INSTALLED IN CONFORMANCE WITH NEC 500, 501, AND 513 AS WELL AS ANY OTHER APPLICABLE CODES AND REQUIREMENTS.
3. CONTRACTOR SHALL COORDINATE NEW WORK AND ANY POWER OUTAGES TO EXISTING EQUIPMENT WITH THE RESPECTIVE OWNER & THE AIRPORT MANAGER.
4. ALL EQUIPMENT NOT LABELED AS EXISTING IS NEW.
5. GRSC DENOTES GALVANIZED RIGID STEEL CONDUIT (HEAVY WALL).
6. EMT DENOTES ELECTRICAL METALLIC TUBING (THIN WALL CONDUIT).
7. FIELD VERIFY CONDUIT & CABLE ROUTING.



CONTROL PANEL FOR APRON FLOOD LIGHTS

KEYED NOTES

1. UL LISTED NEMA 12 PAINTED STEEL CONTROL PANEL ENCLOSURE ADEQUATELY SIZED TO HOLD THE RESPECTIVE COMPONENTS AND EQUIPMENT AS MANUFACTURED BY HOFFMAN OR APPROVED EQUAL INCLUDE LEGEND PLATE LABELED "APRON FLOOD LIGHTING CONTROLLER 120/240 VAC, 1 PH, 3 W". MOUNT PANEL ENCLOSURE TO RESPECTIVE BUILDING WALL WITH HOT DIPPED GALVANIZED STEEL STRUT SUPPORT.
2. 30 AMP, 600 VAC, 2 POLE ELECTRICALLY HELD LIGHTING CONTACTOR WITH 120 VAC COIL, SQUARE D CLASS 8903, TYPE SMO1V02, OR APPROVED EQUAL.
3. THREE-POSITION MAINTAINED CONTACT "HAND-OFF-AUTO" SELECTOR SWITCH, HEAVY DUTY, WATERTIGHT/OIL TIGHT (NEMA 4/13), SQUARE D CLASS 9001, TYPE KS43FBH13 OR APPROVED EQUAL. INCLUDE LEGEND PLATE LABELED "AUTO-OFF-ON". MOUNT SELECTOR SWITCH ON ENCLOSURE DOOR.
4. FUSING FOR CONTROL WIRING SHALL BE 10 AMP, 600 VAC, BUSSMANN CATALOG FNQ-R-10, OR APPROVED EQUAL, WITH FUSE BLOCKS, WITH BOX LUG TERMINALS, SIZED AS REQUIRED FOR THE RESPECTIVE APPLICATION. INCLUDE HARDWARE FOR MOUNTING. PROVIDE ONE BOX (5 MINIMUM QUANTITY) OF EACH TYPE AND SIZE OF FUSE, UPON COMPLETION OF THE JOB FOR USE AS SPARES.
5. CONTROL WIRING SHALL BE SIZED AS REQUIRED PER NEC MINIMUM #14 AWG TYPE MTW, THW, OR THWN, COPPER. TERMINAL BLOCKS FOR CONTROL WIRING SHALL BE 600 VOLT, WITH AMPERAGE RATINGS IN CONFORMANCE WITH NEC TABLE 310-16 USING 75 DEGREE C WIRE FOR THE RESPECTIVE WIRE LUG RANGE, BOX LUG TYPE, SQUARE D CLASS 9080, TYPE G, OR APPROVED EQUAL.
6. EQUIPMENT GROUNDING BAR: PROVIDE A GROUNDING BAR MOUNTED AND BONDED INSIDE THE PANEL ENCLOSURE, ADEQUATELY SIZED TO ACCOMMODATE ALL GROUND CONDUCTORS TO OR FROM THE CONTROL PANEL. TERMINATE ONE GROUND WIRE PER LUG/TERMINAL.
7. TERMINAL BLOCKS FOR FEEDER CIRCUITS SHALL BE SQUARE D CLASS 9080, TYPE G06, OR APPROVED EQUAL SIZED AS REQUIRED FOR THE RESPECTIVE CONDUCTORS.
8. PHOTOCELL RATED 2000 WATTS AT 120 VAC, WITH OFF DELAY, AND -40 DEGREE C TO 60 DEGREE C OPERATING TEMPERATURE RANGE, TORK MODEL NO. 2101, OR APPROVED EQUAL. PHOTOCELL SHALL BE MOUNTED JUST ABOVE ROOF LEVEL OF RESPECTIVE BUILDING WHERE CONTROL PANEL IS INSTALLED. PHOTOCELL SHALL FACE NORTH.

BY	
REVISION	
DATE	

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

ILL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

HEL Project No. 828-03RWYGD_0800	
Revision E-610.DWG	
Scale NO SCALE	
Date 04/22/05	
LAYOUT KNL 03/08/05	
DRAWN MAE 03/08/05	
REVIEWED CMH 03/28/05	



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1026 South State Street
Springfield, IL 62766
Offices Nationwide

CONSTRUCT
RUNWAY 9-27
ADMIN. BLDG. ELEVATION &
APRON LIGHTING CONTROLS

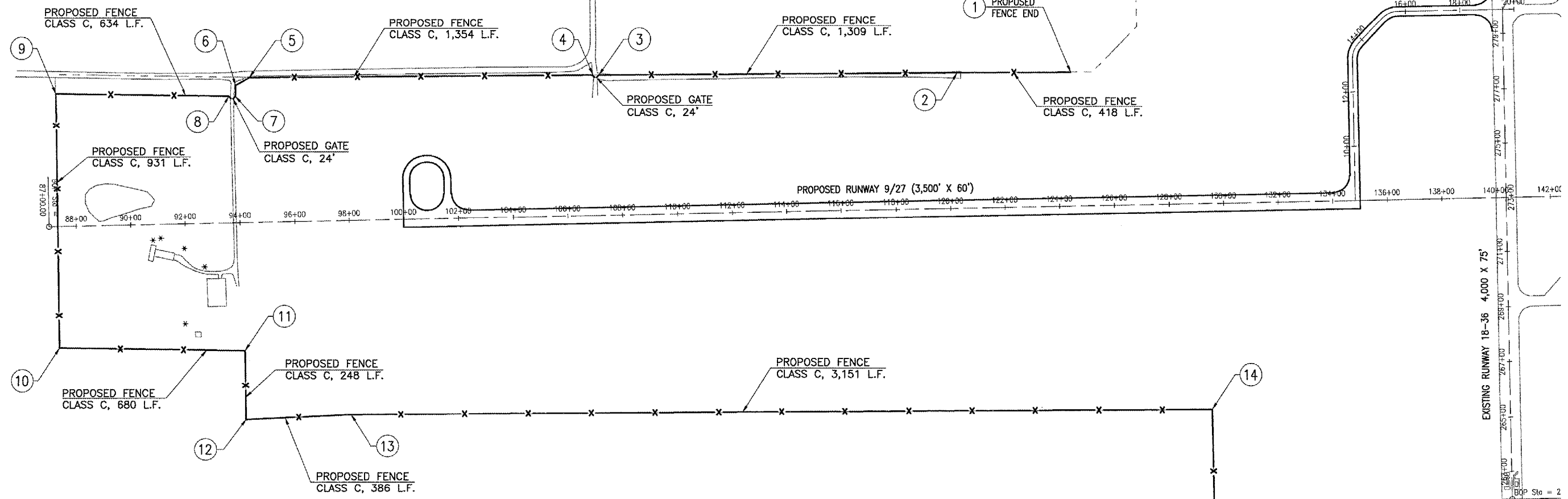
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162-FENCING NOTES:

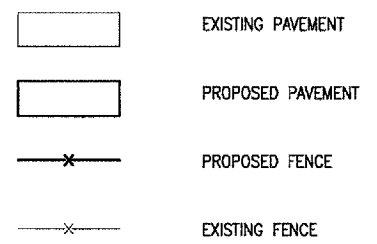
ALL FENCING PROPOSED WILL BE INSTALLED IN ACCORDANCE TO IDOT STANDARDS 665001-01 AND 664001-01 FOR WOVEN WIRE AND CHAIN LINK FENCES, RESPECTIVELY, AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

AT LOCATIONS OF SMALL NATURAL SWALES OR DRAINAGE DITCHES AND WHERE IT IS NOT PRACTICAL TO HAVE THE FENCE CONFORM TO THE GENERAL CONTOUR OF THE GROUND SURFACE, LONGER POSTS MAY BE USED AND MULTIPLE STRANDS OF BARBED WIRE STRETCHED THEREON TO SPAN THE OPENING BELOW THE FENCE. THE VERTICAL CLEARANCE BETWEEN STRANDS OF BARBED WIRE SHALL BE 6 INCHES OR LESS.

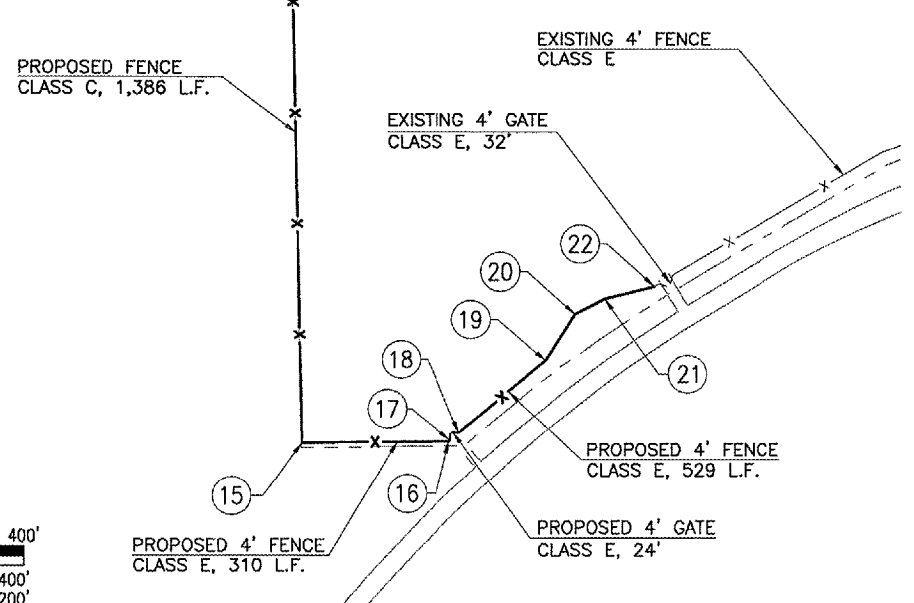
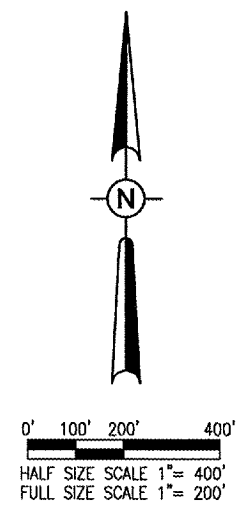
ALL CLASS C FENCE FABRIC WILL BE INSTALLED ON THE INSIDE OF THE FENCE POSTS. THE CLASS E FENCE SHOWN WILL BE INSTALLED WITH THE FABRIC ON THE OUTSIDE OF THE FENCE POSTS. THE COORDINATES FOR THE CLASS E FENCE SHOWN BELOW ARE LOCATED A MINIMUM OF 10 FT FROM THE PROPERTY LINE THEREFORE CLEARING CAN BE COMPLETED UP TO THE PROPERTY LINE WHERE NECESSARY TO ACCOMMODATE THE CONSTRUCTION OF THE FENCE. ALL CLEARING NECESSARY TO COMPLETE THIS TASK WILL BE CONSIDERED INCIDENTAL TO THE ERECTION OF THE FENCE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



FENCE LOCATIONS					
POINT	STATION	OFFSET	NORTHING (Y)	EASTING (X)	DESCRIPTION
1	124+50	491.60' LT.	1,044,185.503	2,531,712.496	BEGINNING POINT ON LINE
2	120+32.43	497.53' LT.	1,044,182.585	2,531,294.907	POINT ON LINE
3	107+24	516.10' LT.	1,044,173.441	2,529,986.378	GATE POST
4	107+00	516.44' LT.	1,044,173.273	2,529,962.377	GATE POST
5	94+44.44	534.25' LT.	1,044,164.499	2,528,706.722	CORNER
6	93+93.42	506.39' LT.	1,044,135.560	2,528,656.302	CORNER
7	93+92	466.41' LT.	1,044,095.559	2,528,655.724	GATE POST
8	93+68	467.27' LT.	1,044,095.908	2,528,631.724	GATE POST
9	87+34.71	489.76' LT.	1,044,104.986	2,527,998.082	CORNER
10	87+29.73	441.69' RT.	1,043,173.636	2,528,012.839	CORNER
11	94+09.24	465.83' RT.	1,043,163.896	2,528,692.703	CORNER
12	94+07.91	713.87' RT.	1,042,915.876	2,528,696.633	CORNER
13	97+93.50	703.49' RT.	1,042,934.423	2,529,081.909	POINT ON LINE
14	129+43.62	748.20' RT.	1,042,956.438	2,532,232.278	CORNER
15	129+43.26	2133.31' RT.	1,041,571.150	2,532,261.280	CORNER
16	132+38.94	2136.88' RT.	1,041,574.550	2,532,567.880	CORNER
17	132+52.22	2134.98' RT.	1,041,576.498	2,532,570.174	GATE POST
18	132+70.85	2119.85' RT.	1,041,592.023	2,532,588.476	GATE POST
19	134+53.96	1971.07' RT.	1,041,744.646	2,532,768.392	CORNER
20	135+16.96	1873.05' RT.	1,041,843.975	2,532,829.307	CORNER
21	135+79.67	1841.94' RT.	1,041,876.404	2,532,891.343	CORNER
22	136+83.56	1818.86' RT.	1,041,901.682	2,532,994.721	END POINT ON LINE



FENCING QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR161510	CLASS C FENCE	L.F.	10,497
AR161624	CLASS C GATE-24'	EA.	2
AR162504	CLASS E FENCE 4'	L.F.	1,042
AR162605	CLASS E GATE-5'	EA.	2
AR162624	CLASS E GATE-24'	EA.	1
AR162900	REMOVE CLASS E FENCE	L.F.	203



TA001

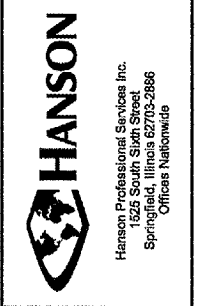
DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL. PROJ.: TAZ-3166 A.I.P. PROJ.: J-17-0100-B7

LAYOUT	RAW	CAH
	03/29/05	03/29/05
	03/29/05	03/29/05

HEB Project No. 828-03RWYGD.0800
Drawings: R-171FEN.DWG
Scale: 1"= 200'
Date: 03/29/05



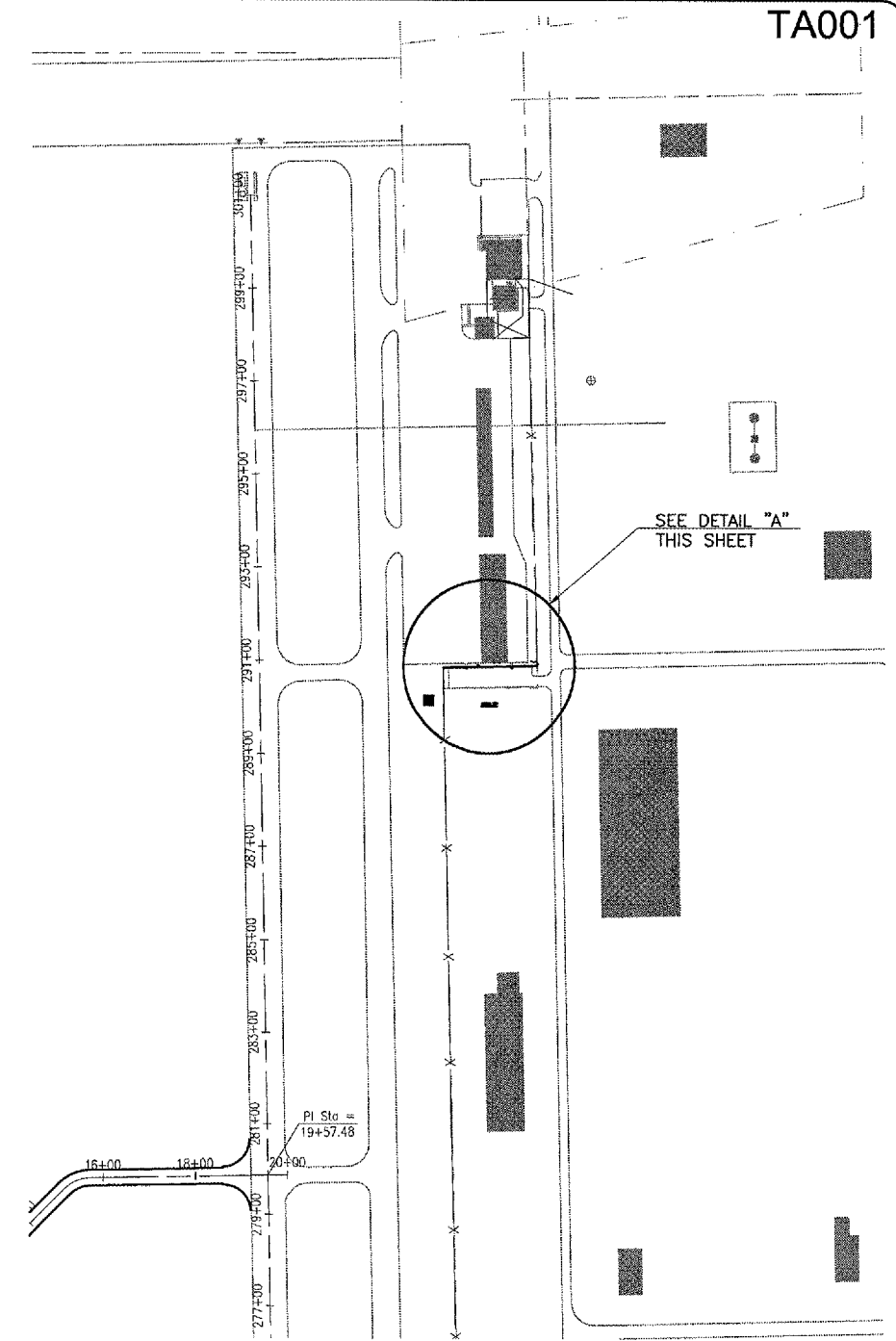
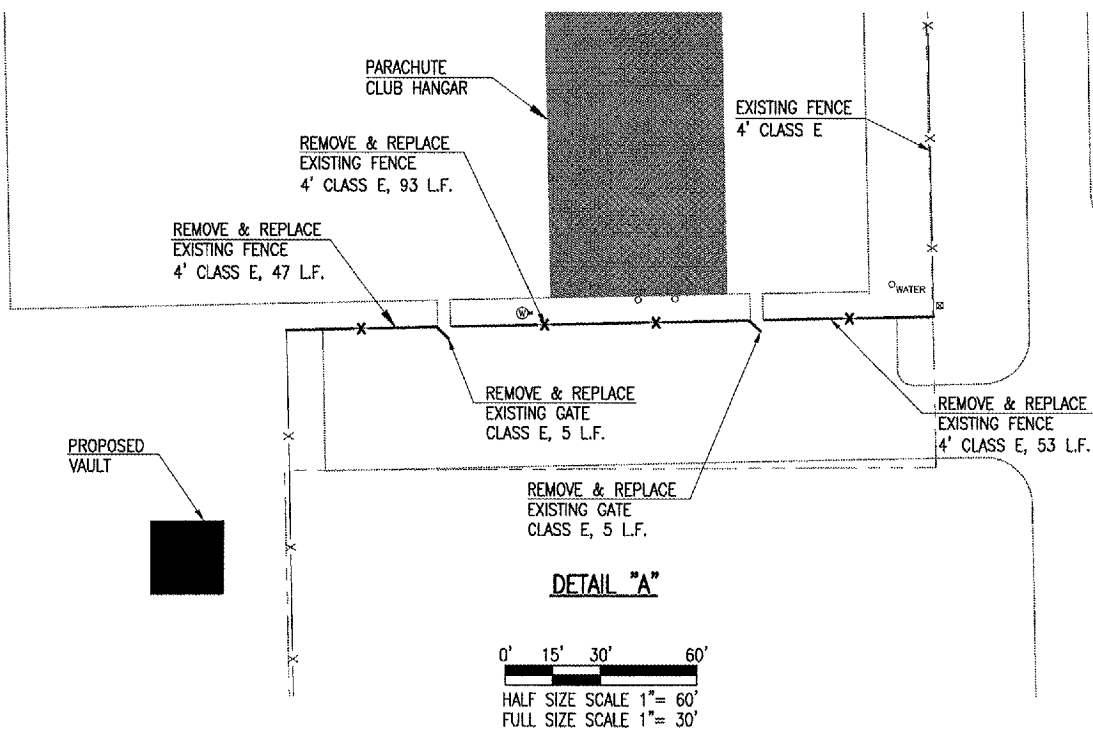
CONSTRUCT RUNWAY 9-27
PROPOSED SITE FENCING PLAN

MAY 05, 2005 8:58 PM RAW
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162-FENCING NOTES:

ALL FENCING PROPOSED WILL BE INSTALLED IN ACCORDANCE TO IDOT STANDARDS 665001-01 AND 664001-01 FOR WOVEN WIRE AND CHAIN LINK FENCES, RESPECTIVELY, AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE COST OF REMOVING TWO EXISTING CLASS E GATES SHALL BE INCIDENTAL TO ITEM AR162900 -- REMOVE CLASS E FENCE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE LENGTH OF THE GATES IS INCLUDED IN THE LENGTH OF CLASS E FENCE REMOVAL SHOWN IN THE SUMMARY OF QUANTITIES.



	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PROPOSED CLASS E FENCE
	EXISTING CLASS E FENCE

0' 100' 200' 400'
 HALF SIZE SCALE 1" = 400'
 FULL SIZE SCALE 1" = 200'

MAY 05, 2005 9:01 PM RAW E:\AIRPORTS\TAYLORVILLE\828-03RWYGD\AIRPORT_SHEETS\A-17\FENDWG - FRONTAL AREA

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

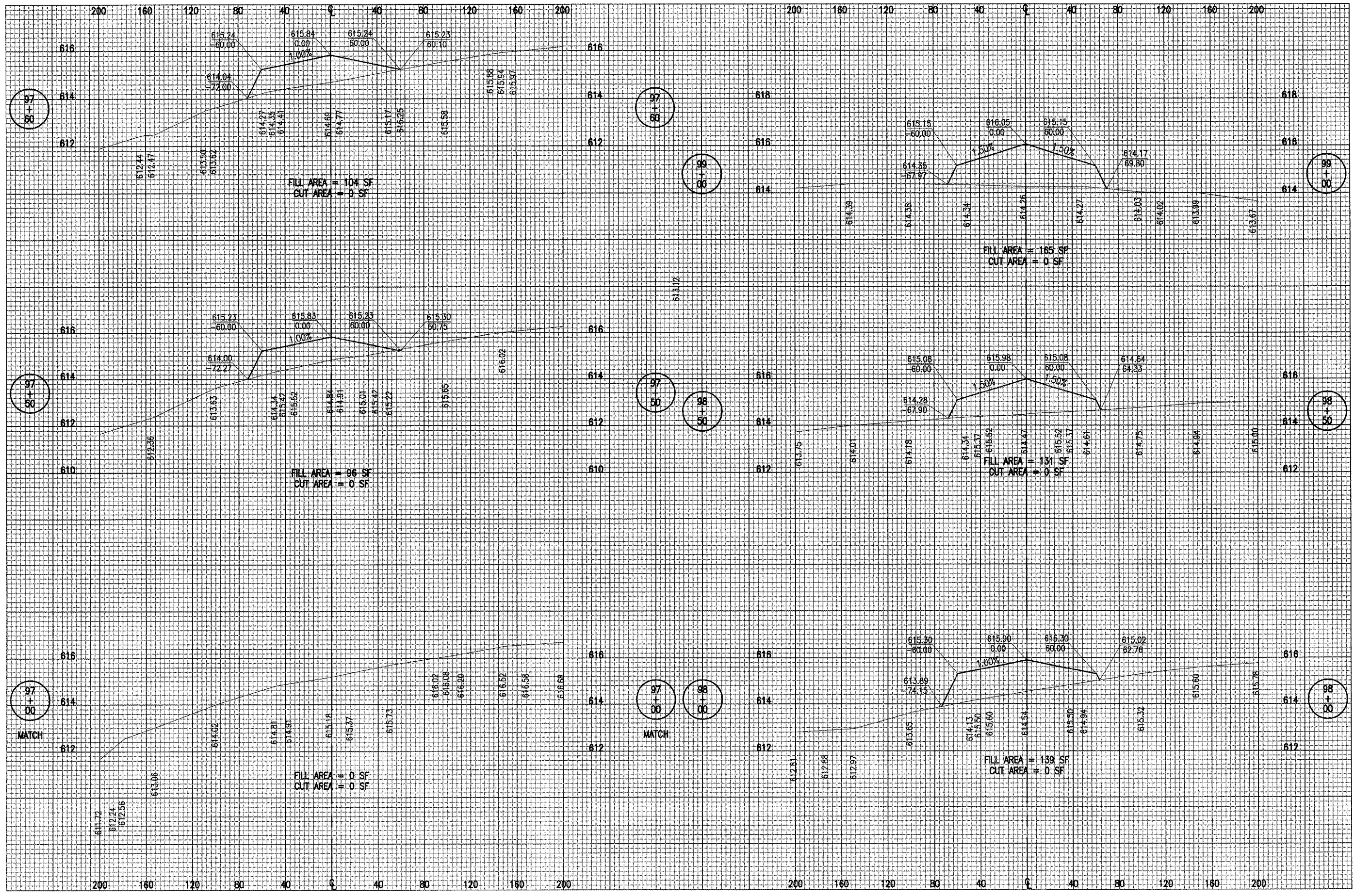
A.I.P. PROJ.: 3-17-0100-B7
 I.L. PROJ.: TAZ-3166

H.S. Project No. 828-03RWYGD_0800 Filename: R-17\FENDWG Scale: 1" = 200' Date: 03/29/05	
LAYOUT	RAW 03/29/05
DRAWN	RAW 03/29/05
REVIEWED	CAH 03/28/05

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 1525 South State Street
 Springfield, Illinois 62703-2886
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CONSTRUCT
RUNWAY 9-27
PROPOSED FRONTAL AREA
FENCING PLAN

APR 11, 2005 10:59 AM MDR
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DATE	REVISION	BY

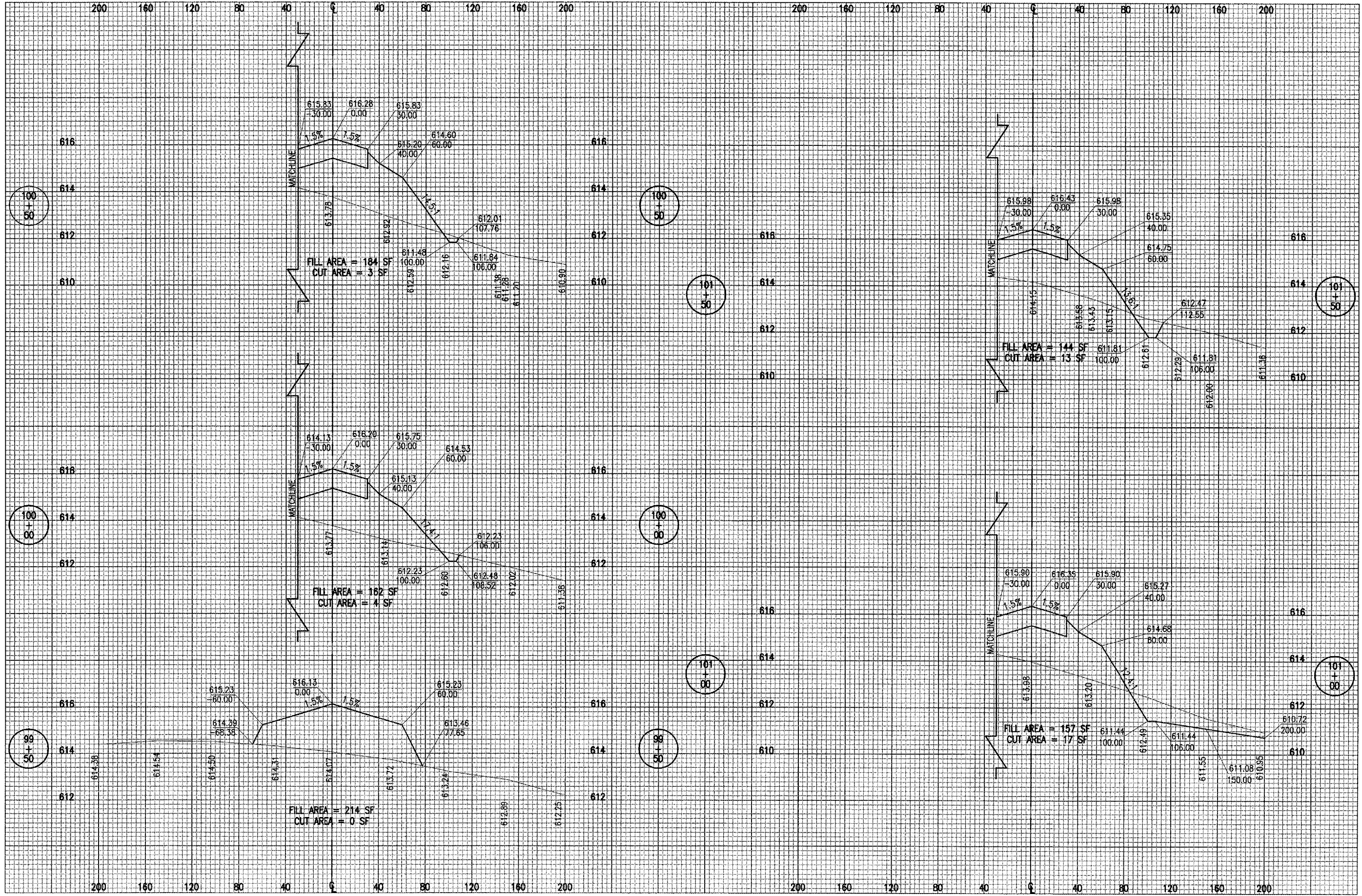
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

FILE PROJECT NO.	RAW	02/17/05
828-03RWYCD 0800		
PLAN	BAK	02/17/05
R-301XS-927.DWG		
SCALE	CAH	xx/xx/xx
H. 1" = 40' V. 1" = 2'		
DATE	02/17/05	



CONSTRUCT
RUNWAY 9-27
 PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 97+00 TO STA. 99+00

MAY 05 2005 9:08 PM FAW
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DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS

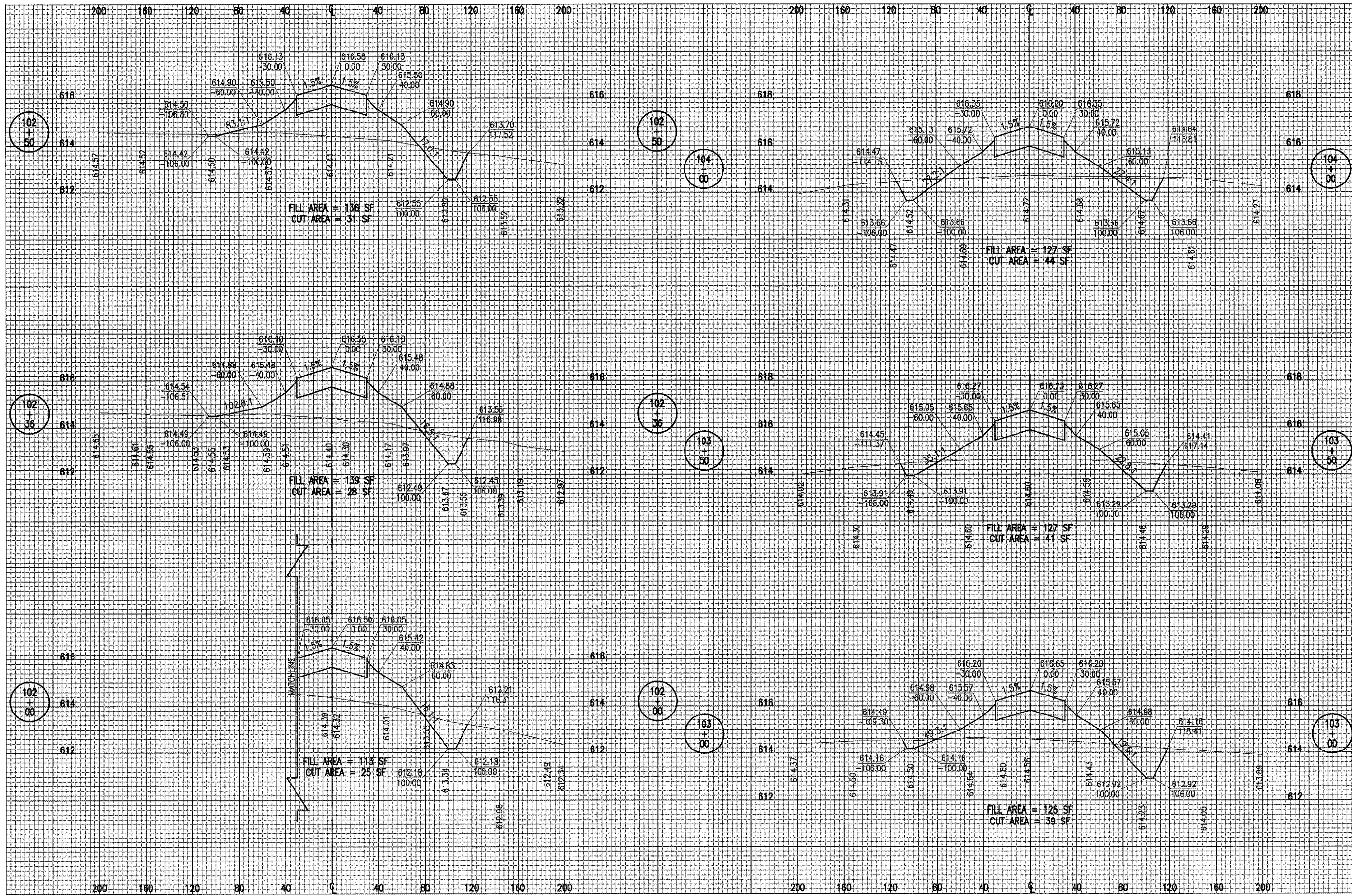
IL PROJ.: IAZ-3166 A.I.P. PROJ.: 3-17-0100-87

FILE	DATE	BY	REVIEWED
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R-302XS-927.DWG	02/18/05	BHK	02/18/05
Scale: H:1"=40' V:1"=2'			



CONSTRUCT
 RUNWAY 9-27
 PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 99+50 TO STA. 101+50

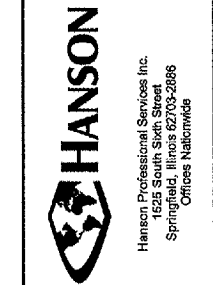
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DATE	REVISION	BY

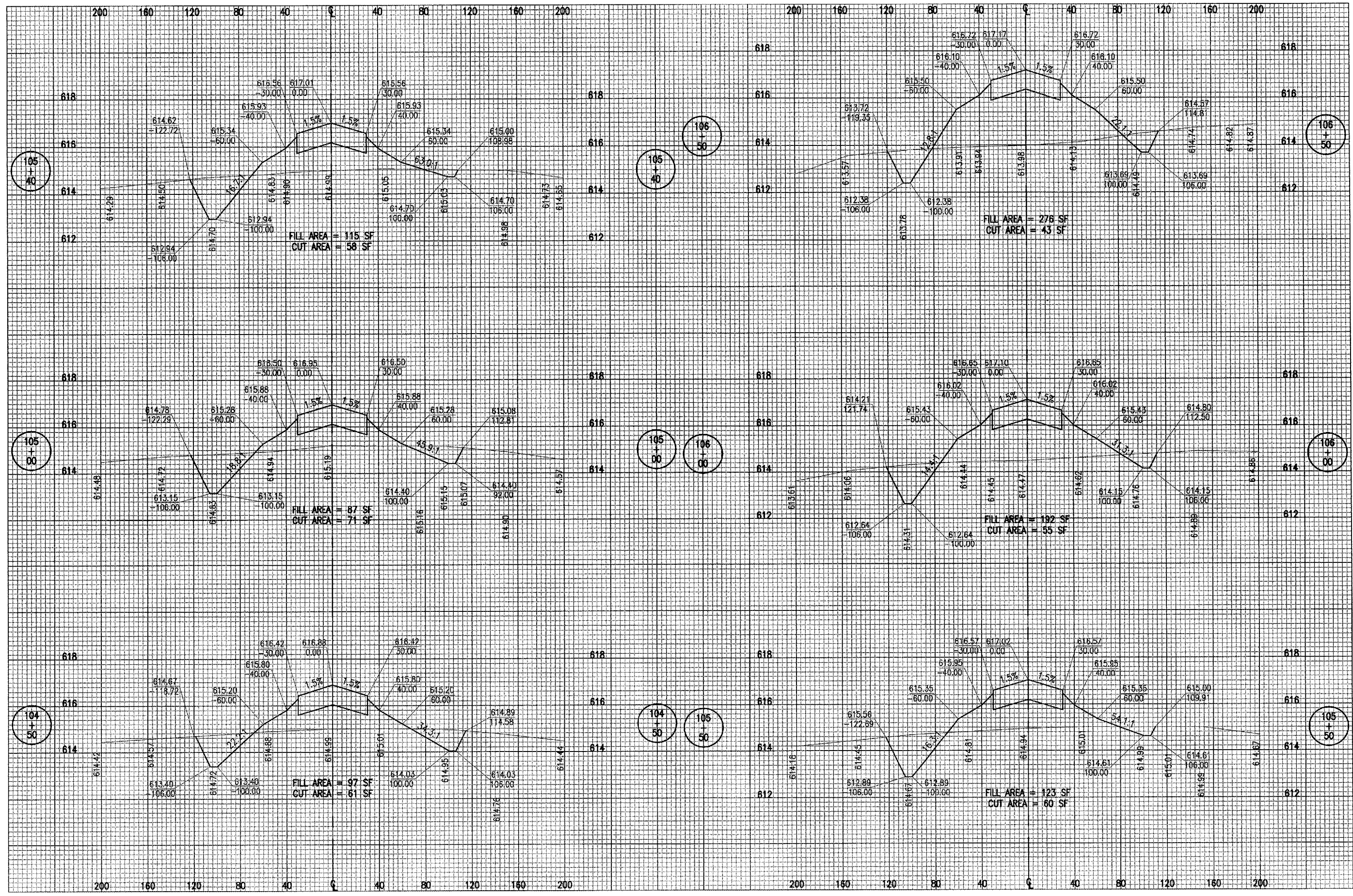
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166
 A.I.P. PROJ.: 3-17-0100-B7

ILL. Project No. 828-03RWYGD.0800	RAW	02/18/05
File Name R-303XS-927.DWG	BAK	02/18/05
Scale H. 1"=40' V. 1"=2'	CAH	xx/xx/xx
Date 02/18/05		



CONSTRUCT
RUNWAY 9-27
 PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 102+00 TO STA. 104+00

APR 07, 2005 10:18 PM RAW
 I:\AIRPORTS\TAYLORVILLE\B28-03RWYGD\AIRPORT\SHEETS\R-304XS-927.DWG - STA. 104+50 TO STA. 106+50



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

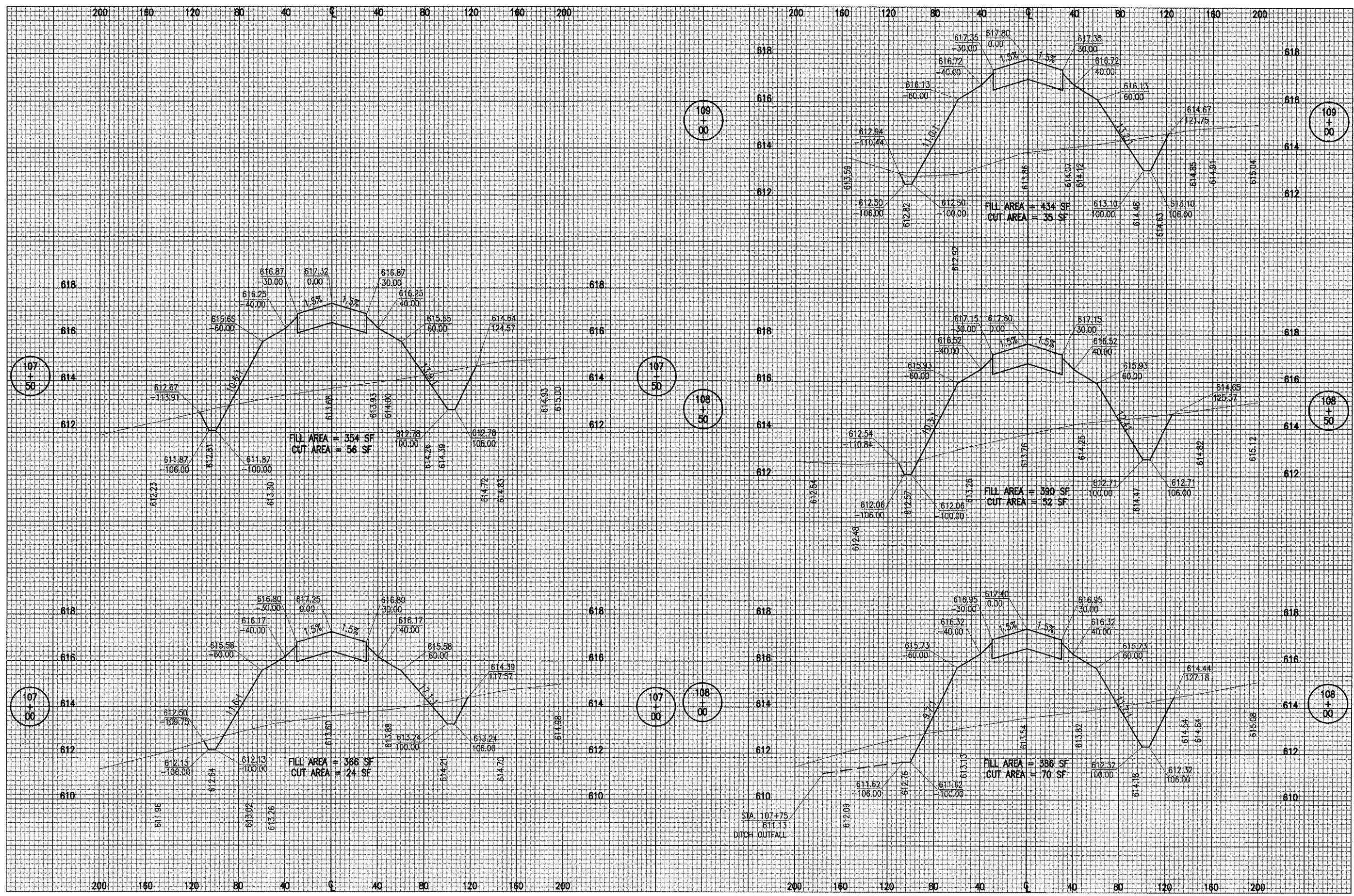
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CONSTRUCT
 RUNWAY 9-27
 PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 104+50 TO STA. 106+50

MAY 05, 2005 9:13 PM RAW
 F:\AIRPORTS\TYVILLE\828-03RWYGD\AIRPORT\SHEETS\R-305XS-927.DWG - STA. 107+00 TO STA. 109+00

TA001



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
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IL PROJ.: IAZ-3166
 A.I.P. PROJ.: 3-17-0100-87

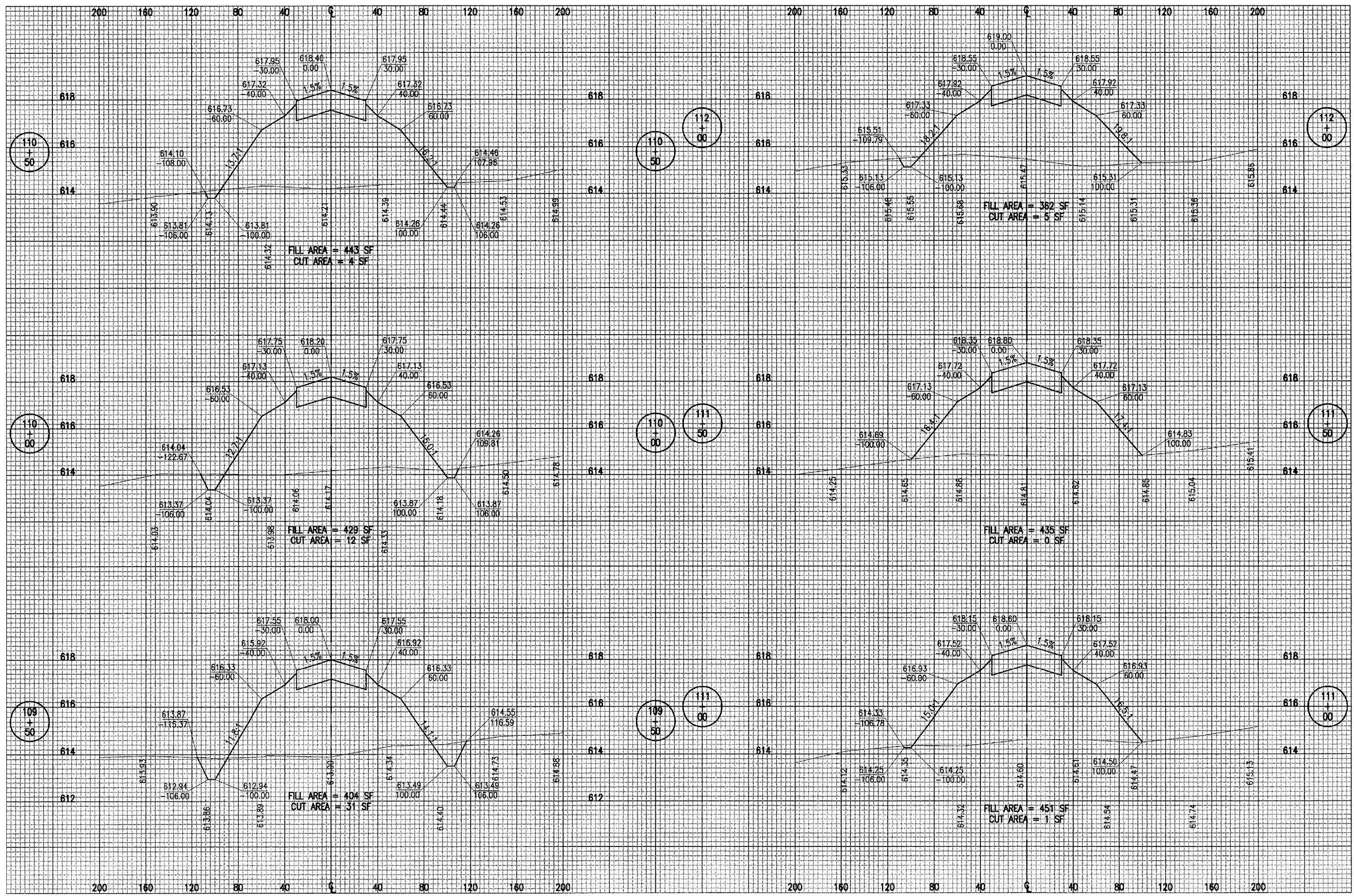
Project No. 828-03RWYGD 0800	DATE	02/18/05
Filename R-305XS-927.DWG	RAW	02/18/05
Scale H. 1" = 40' V. 1" = 2'	MOR	02/18/05
Date 02/18/05	CAH	xx/xx/xx
LAYOUT	REVIEWED	
DRAWN		



CONSTRUCT
 RUNWAY 9-27

PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 107+00 TO STA 109+00

MAY 05, 2005 9:14 PM RAW
 I:\AIRPORTS\T.VILLE\B2B-03RWYGD\AIRPORT_SHEETS\R-306XS-927.DWG - STA. 109+50 TO STA 112+00



DATE	REVISION	BY

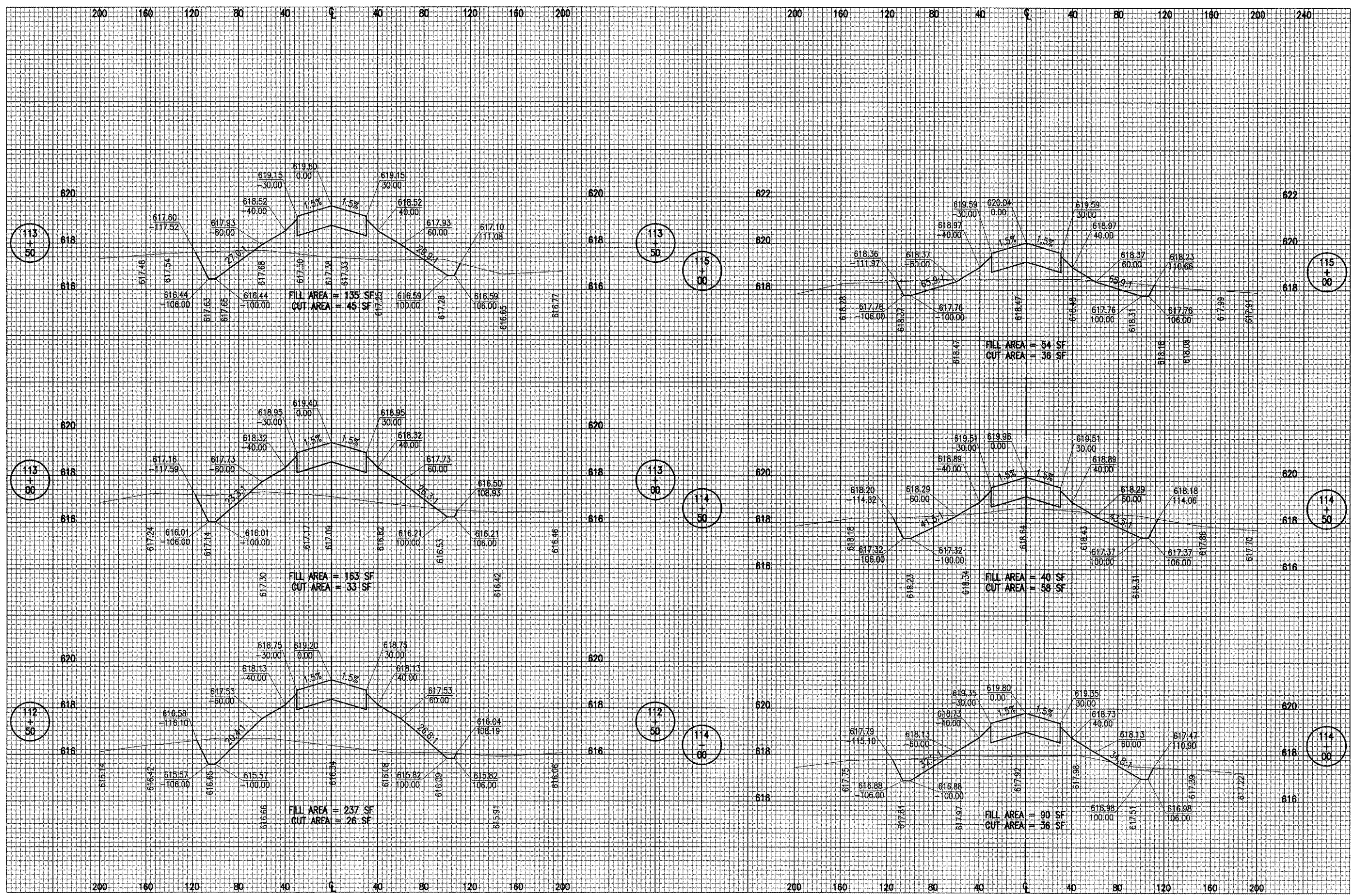
TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

HEB Project No. 828-03RWYGD_0800	RAW	02/22/05
Drawings R-306XS-927.DWG	BAK	02/22/05
Scale H. 1" = 40' V. 1" = 2'	CAH	xx/xx/xx
Date 02/22/05		



CONSTRUCT
 RUNWAY 9-27
 PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 109+50 TO STA. 112+00

APR 07, 2005 10:19 PM RAW
I:\AIRPORTS\TAYLORVILLE\B28-03RWYGD\AIRPORT\ASHEETS\113-307XS-927.DWG - STA. 112+50 TO STA. 115+00



DATE	REVISION	BY

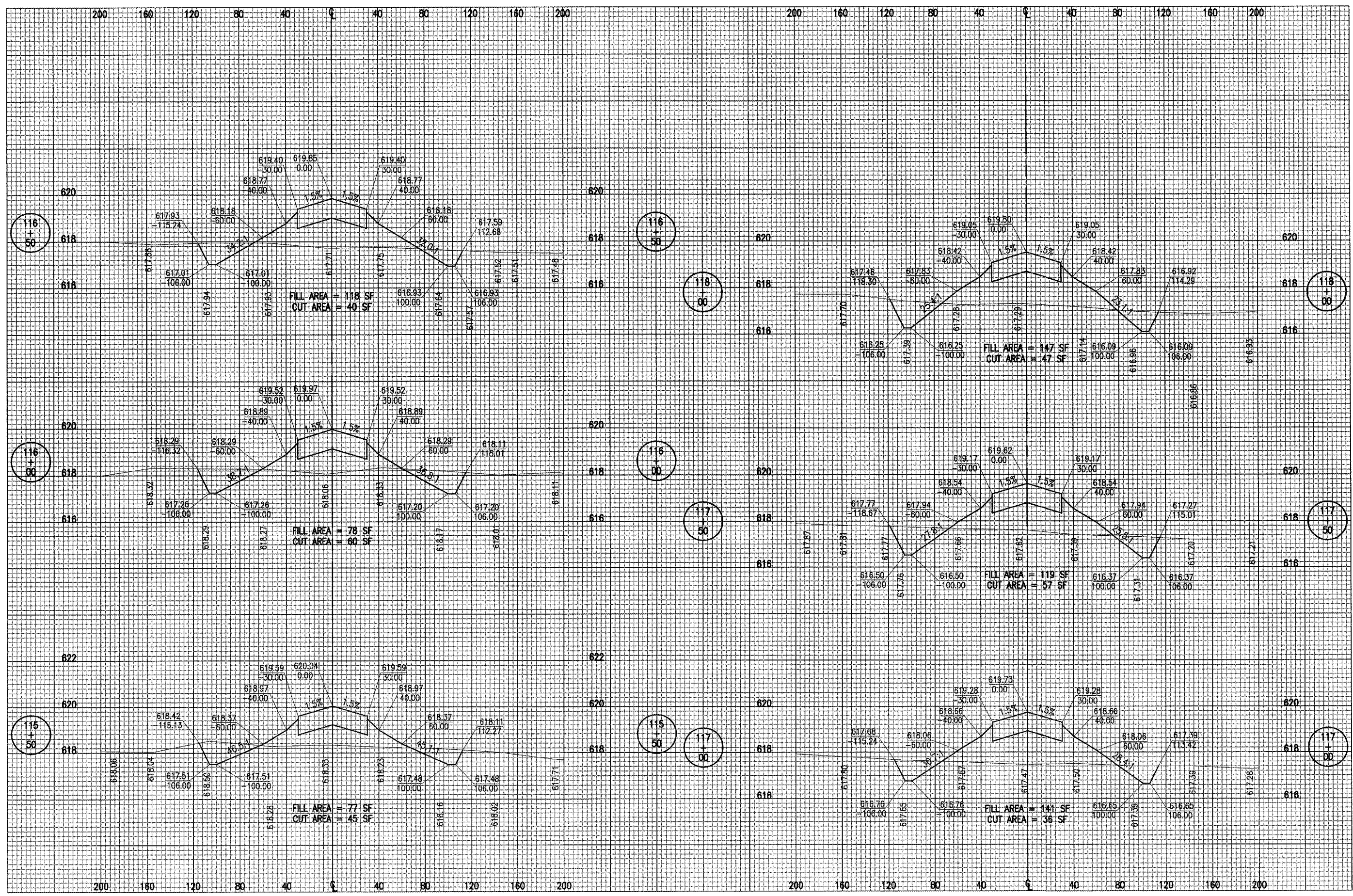
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
 IL PROJ.: TAZ-3166 A.I.P. PROJ.: J-17-0100-B7

H&E Project No. B28-03RWYGD 0800 File Name R-307XS-927.DWG Scale H. 1" = 40' V. 1" = 2' Date 02/22/05	LAYOUT RAW 02/22/05 DRAWN BAK 02/22/05 REVIEWED CAH xx/xx/xx
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CONSTRUCT
RUNWAY 9-27
 PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 112+50 TO STA. 115+00

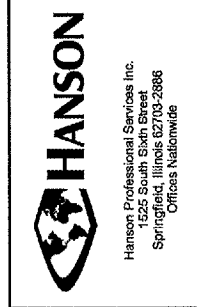
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DATE	REVISION	BY

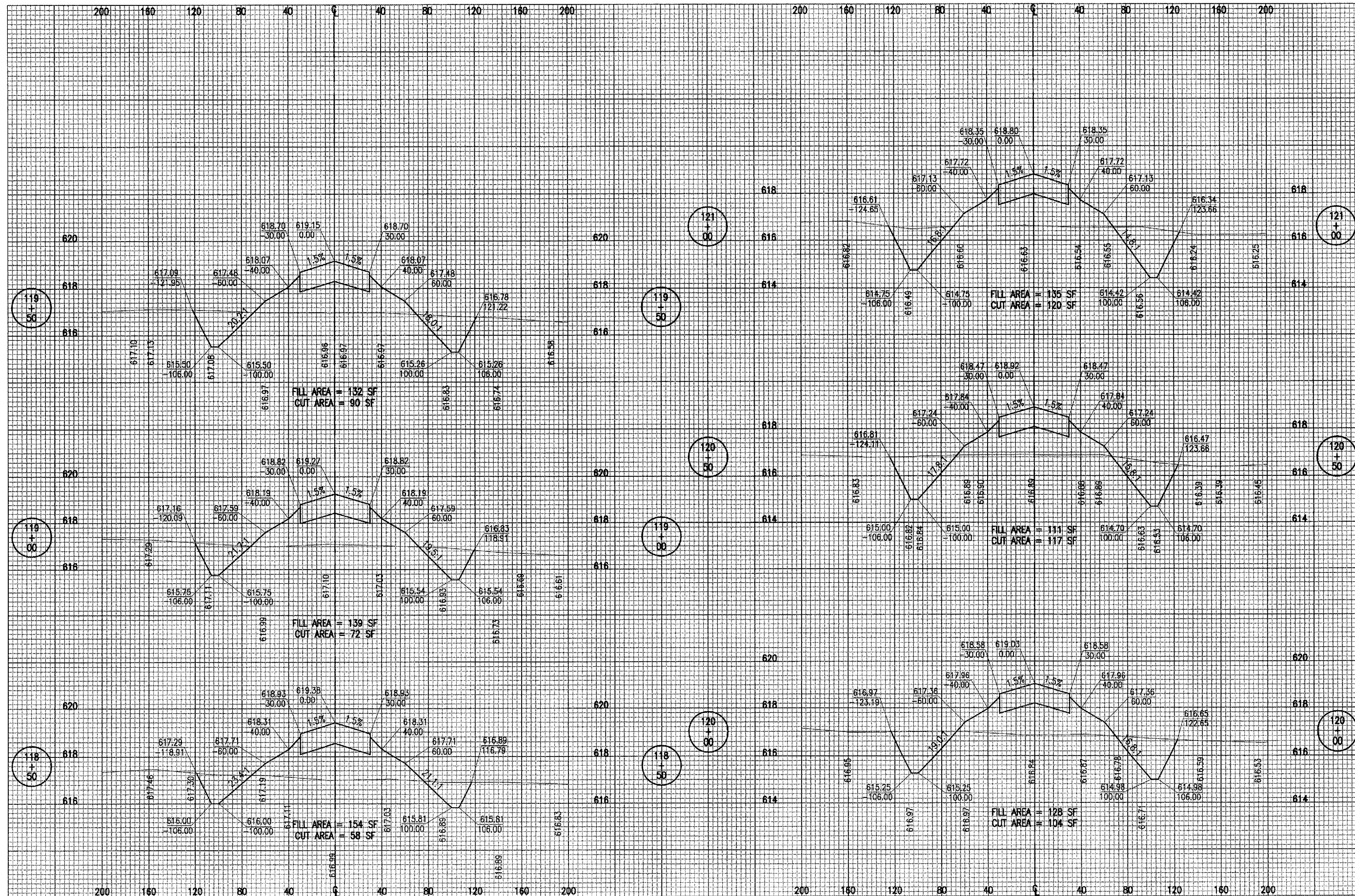
TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

FILE	DATE	BY
828-03RWYGD 0800	02/22/05	CAH
R-308XS-927.DWG	02/22/05	BAK
H. 1" = 40' V. 1" = 2'	xx/xx/xx	RAW
Scale	02/22/05	REVIEWED



CONSTRUCT
 RUNWAY 9-27
 PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 115+50 TO STA. 118+00

APR 07, 2005 10:20 PM RAW
 I:\AIRPORTS\TAYLORVILLE\B2B-03RWYGD\AIRPORT\SHEETS\9-309XS-927.DWG - STA. 118+50 TO STA. 121+00



REVISION BY

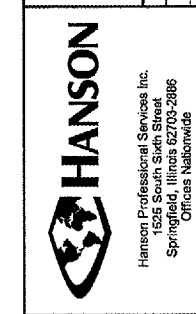
DATE	REVISION

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

HL Proj. No. 828-03RWYGD-0800
 File Name R-309XS-927.DWG
 Scale H. 1" = 40' V. 1" = 2'
 Date 02/22/05

LAYOUT	RAW	02/22/05
DRAWN	BHK	02/22/05
REVIEWED	CAH	xx/xx/xx

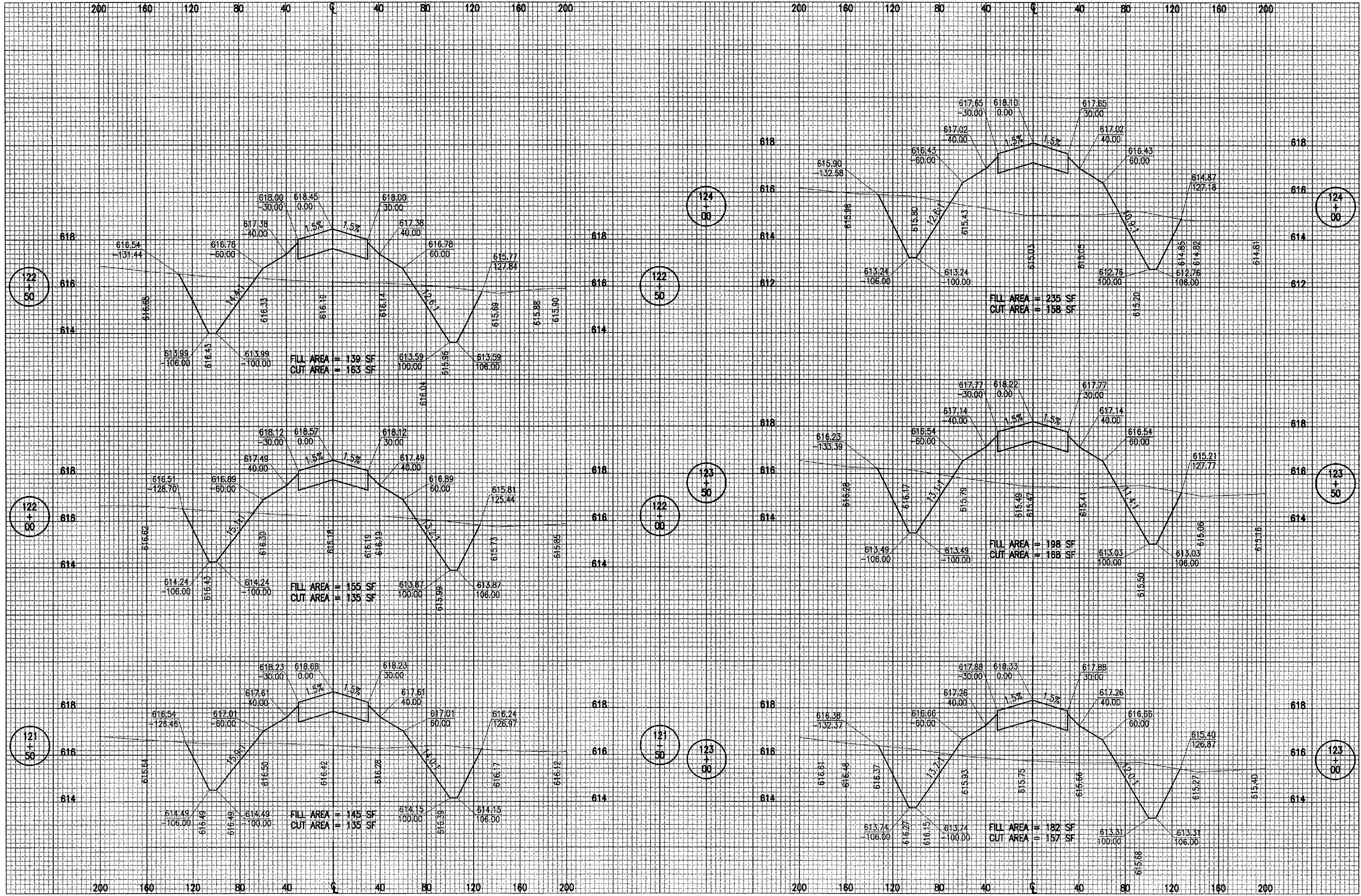


CONSTRUCT
RUNWAY 9-27

PROPOSED RUNWAY
 CROSS-SECTIONS

STA. 118+50 TO STA. 121+00

APR 07 2005 10:20 PM RAW
F:\AIRPORTS\TAYLORVILLE\B28-03RWY\AIRPORT\SHEETS\R-310XS-927.DWG - STA. 121+50 TO STA. 124+00



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

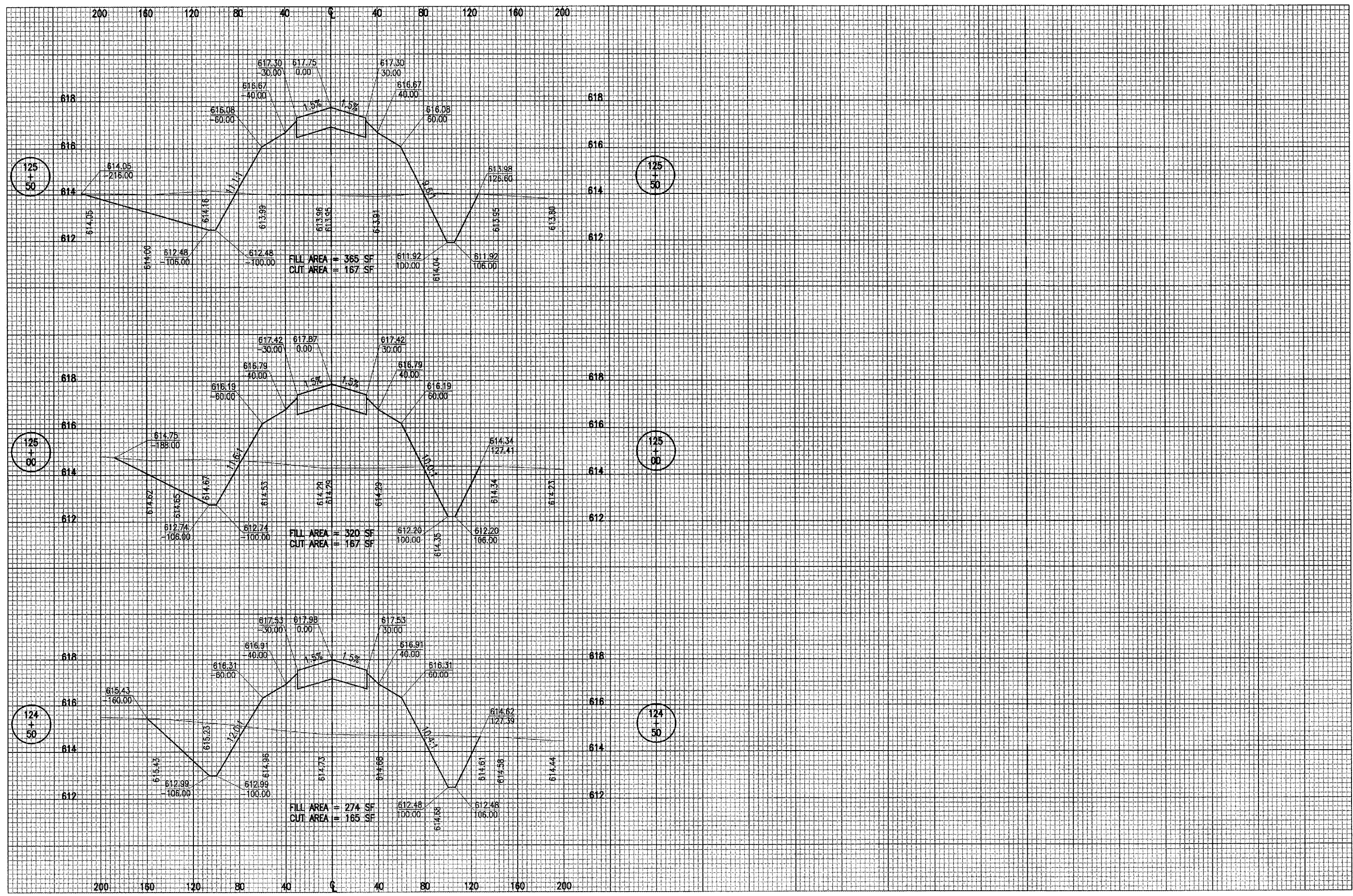
Proj. No. 828-03RWYGD 0800	RAW	02/23/05
Filename R-310XS-927.DWG	BANK	02/23/05
Scale H. 1" = 40' V. 1" = 2'	REVIEWED	CAH
Date 02/23/05		xx/xx/xx



Hanson Professional Services Inc.
125 S. Main Street
Springfield, Illinois 62703-2888
Offices Nationwide

CONSTRUCT
RUNWAY 9-27
PROPOSED RUNWAY
CROSS-SECTIONS
STA. 121+50 TO STA. 124+00

APR 07, 2005 10:21 PM RAW
I:\AIRPORTS\T.VILLE\828-03RWYGD\AIRPORT\SHEETS\R-311XS-927.DWG - STA. 124+50 TO STA. 125+50



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-67

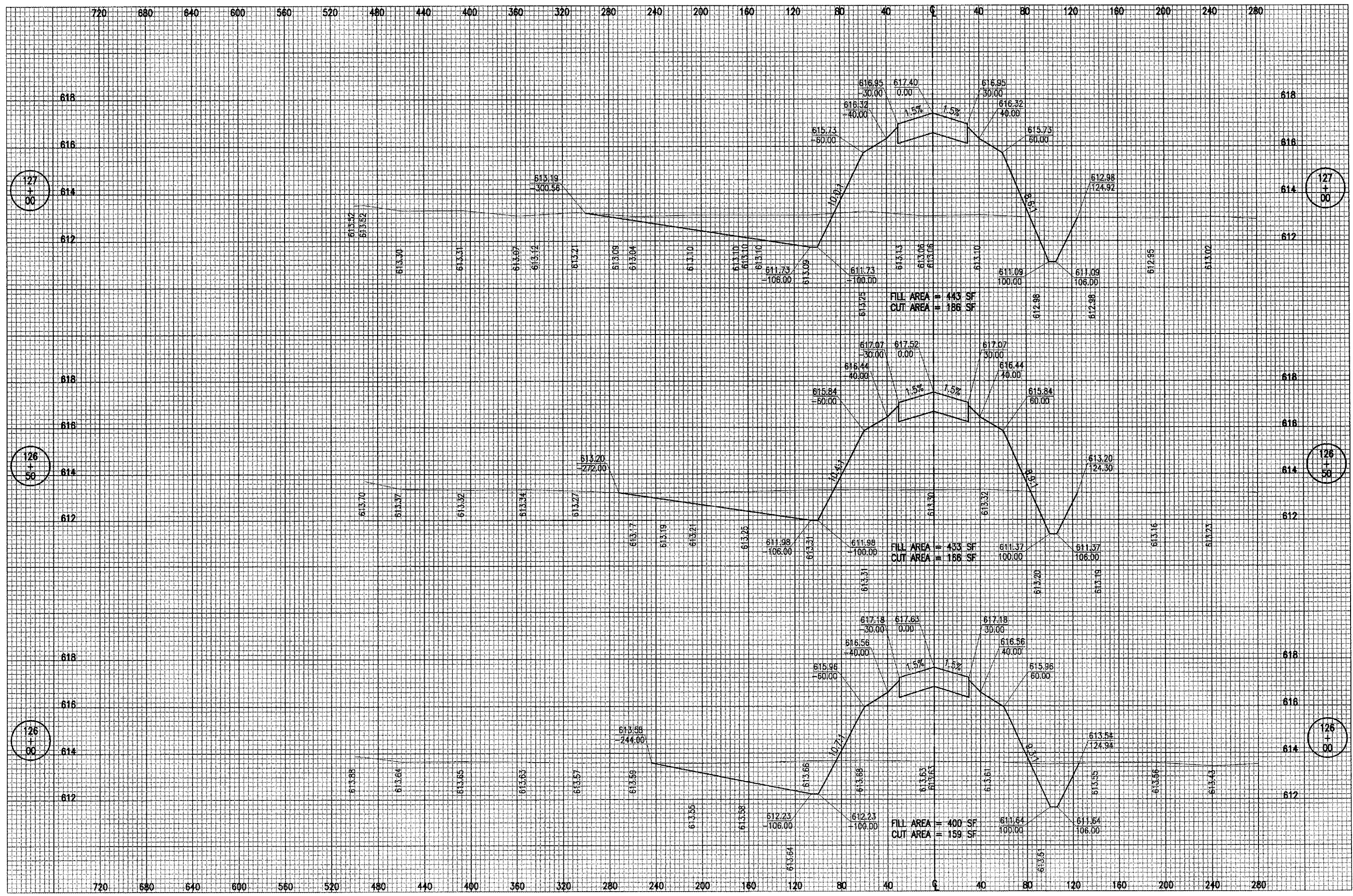
IGI Project No. 828-03RWYGD-0800 Filename R-311XS-927.DWG Scale H. 1" = 40' V. 1" = 2' Date 02/23/05	LAYOUT DRAWN REVIEWED	RAW BAK CAH	02/23/05 02/23/05 xx/xx/xx
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CONSTRUCT
RUNWAY 9-27

PROPOSED RUNWAY
CROSS-SECTIONS
STA. 124+50 TO STA. 125+50

APR 07, 2005 10:22 PM RAW
I:\AIRPORTS\TAYLORVILLE\B28-03RWYGD\AIRPORT SHEETS\R-312XS-927.DWG - STA. 126+00 TO STA. 127+00



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

Proj. No. 828-03RWYGD_0800	RAW	02/23/05
Dwg. No. R-312XS-927.DWG	BAK	02/23/05
Scale H. 1" = 40' V. 1" = 2'	CAH	xx/xx/xx
Date 02/23/05		

HANSON

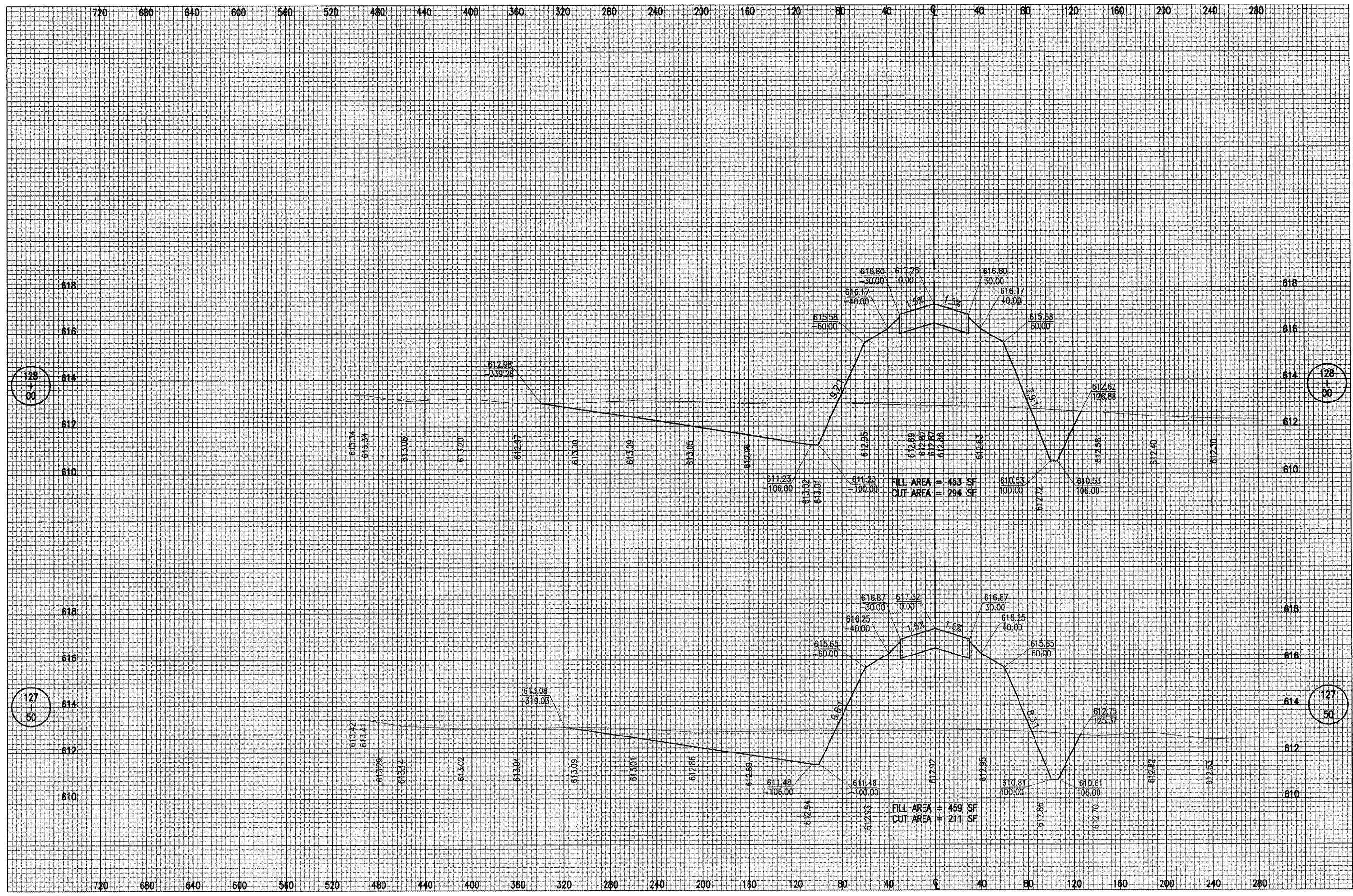
Hanson Professional Services Inc.
1215 E. St. Ste. 500
Springfield, Illinois 62703-2886
Offices Nationwide

CONSTRUCT
RUNWAY 9-27

PROPOSED RUNWAY
CROSS-SECTIONS

STA. 126+00 TO STA. 127+00

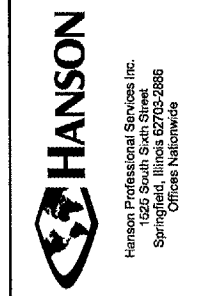
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DATE	REVISION	BY

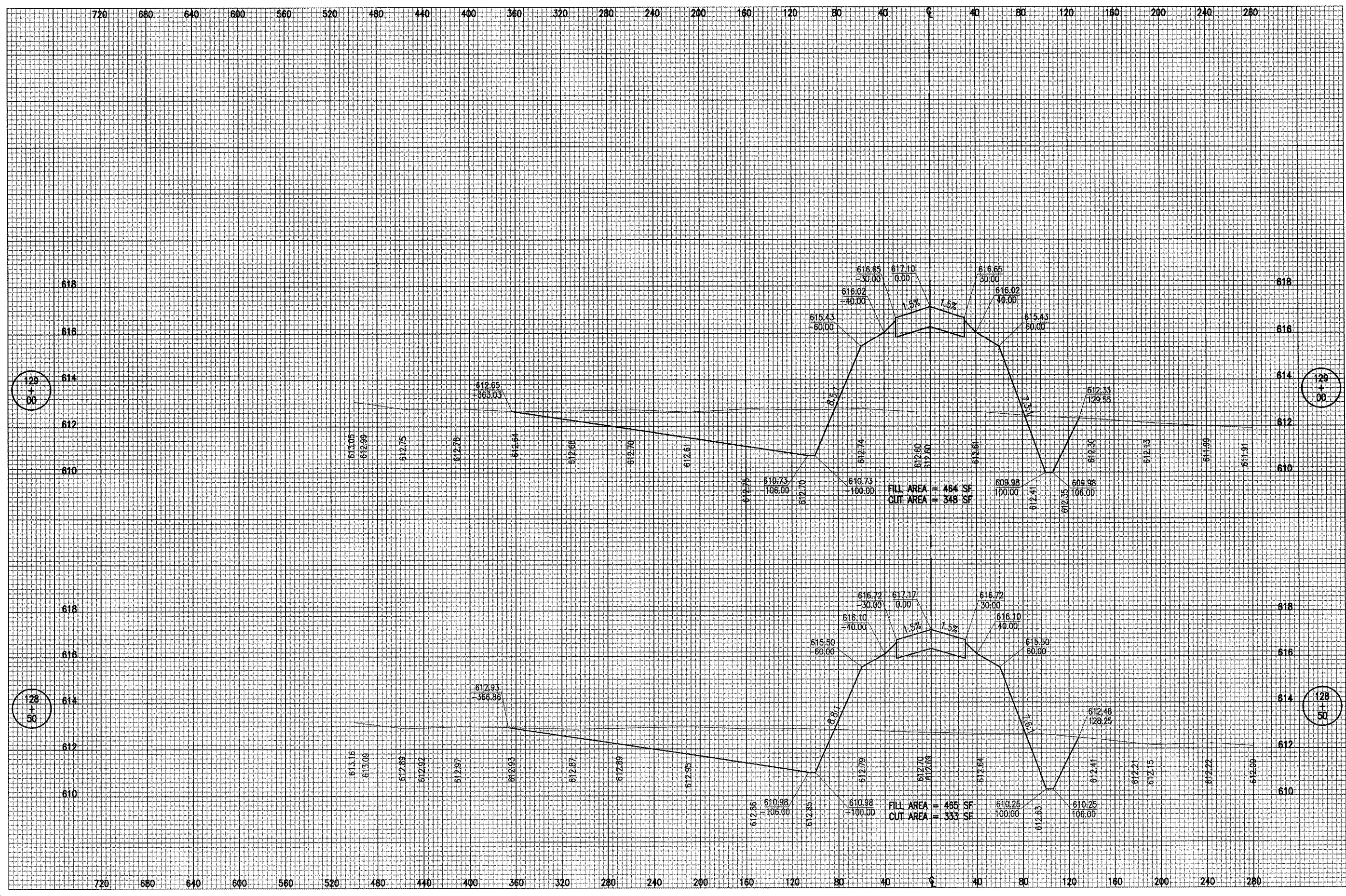
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

FILE PROJECT NO. 828-03RWYGD_0800	RAW	02/23/05
FILENAME R-313XS-927.DWG	BAK	02/23/05
SCALE H. 1" = 40' V. 1" = 2'	CAH	xx/xx/xx
DATE 02/23/05		



CONSTRUCT
RUNWAY 9-27
 PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 127+50 TO STA. 128+00

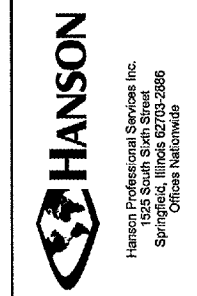
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DATE	REVISION	BY

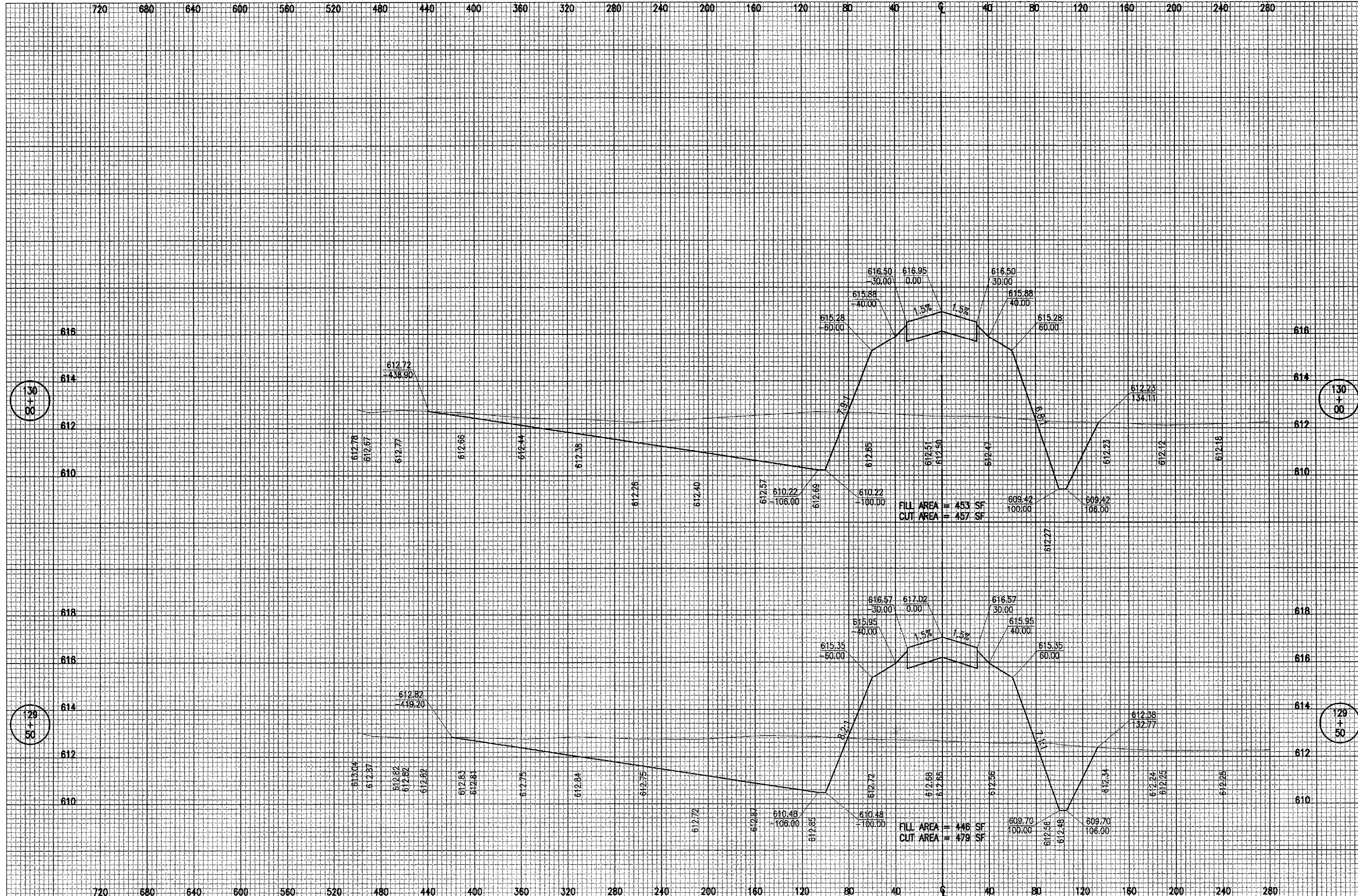
TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166
 A.I.P. PROJ.: 3-17-0100-87

FILE Project No: 828-03RWYGD 0800	RAW	02/23/05
Filename: R-314XS-927.DWG	BAK	02/23/05
Scale: H. 1" = 40' V. 1" = 2'	CAH	xx/xx/xx
Date: 02/23/05	REVIEWED	



CONSTRUCT
 RUNWAY 9-27
 PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 128+50 TO STA. 129+00

APR 07, 2005 10:25 PM RAW
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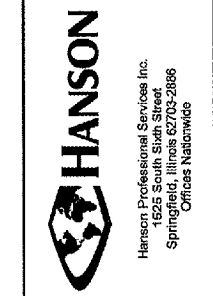


DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

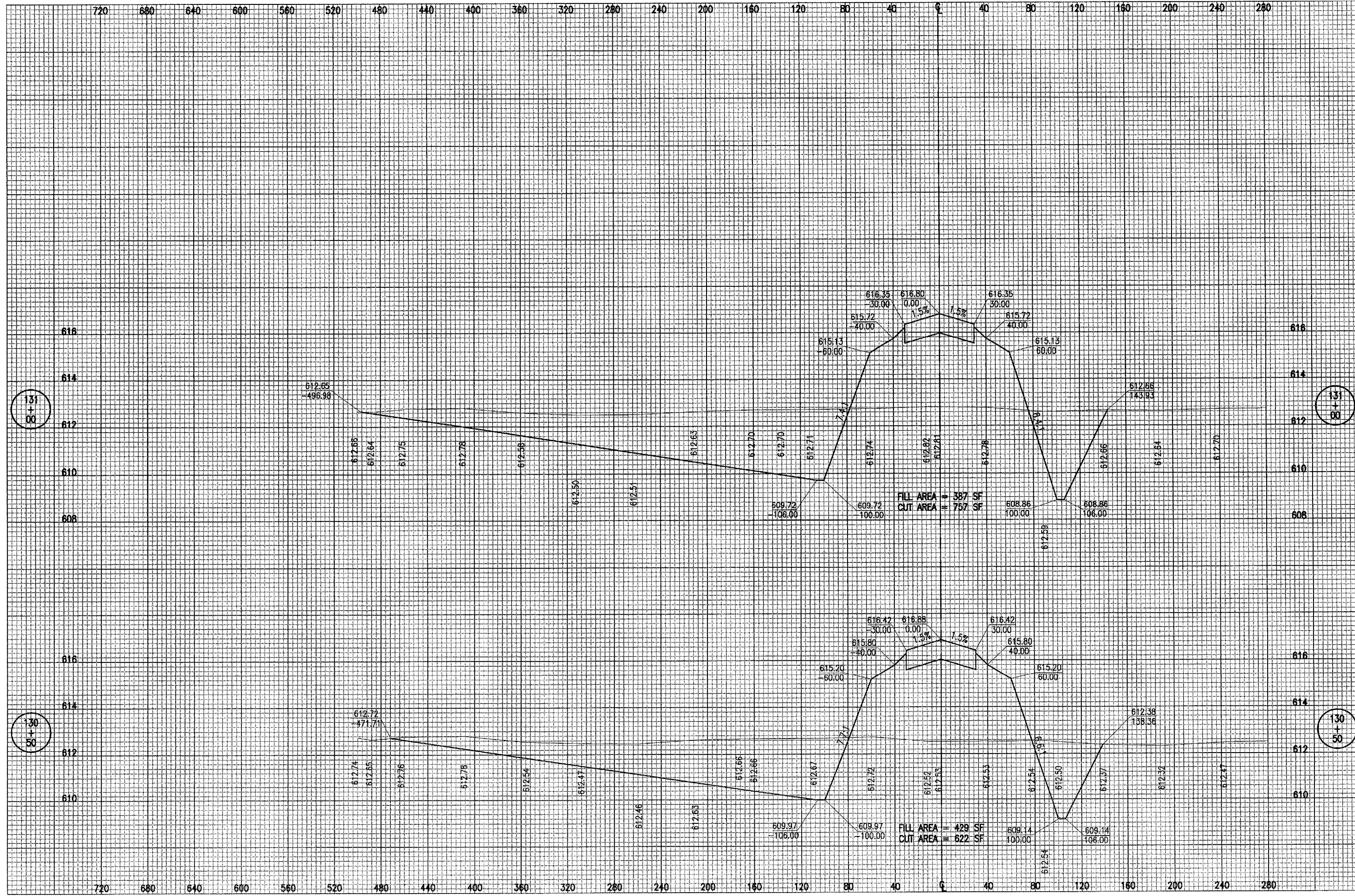
IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

FILE PROJECT NO.	DATE	BY
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R-315XS-927.DWG	02/23/05	
H. 1" = 40' V. 1" = 2'		
Scale		
Date		



CONSTRUCT
RUNWAY 9-27
 PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 129+50 TO STA. 130+00

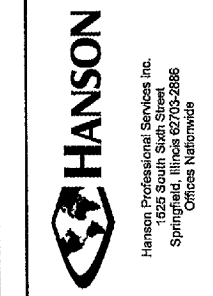
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DATE	REVISION	BY

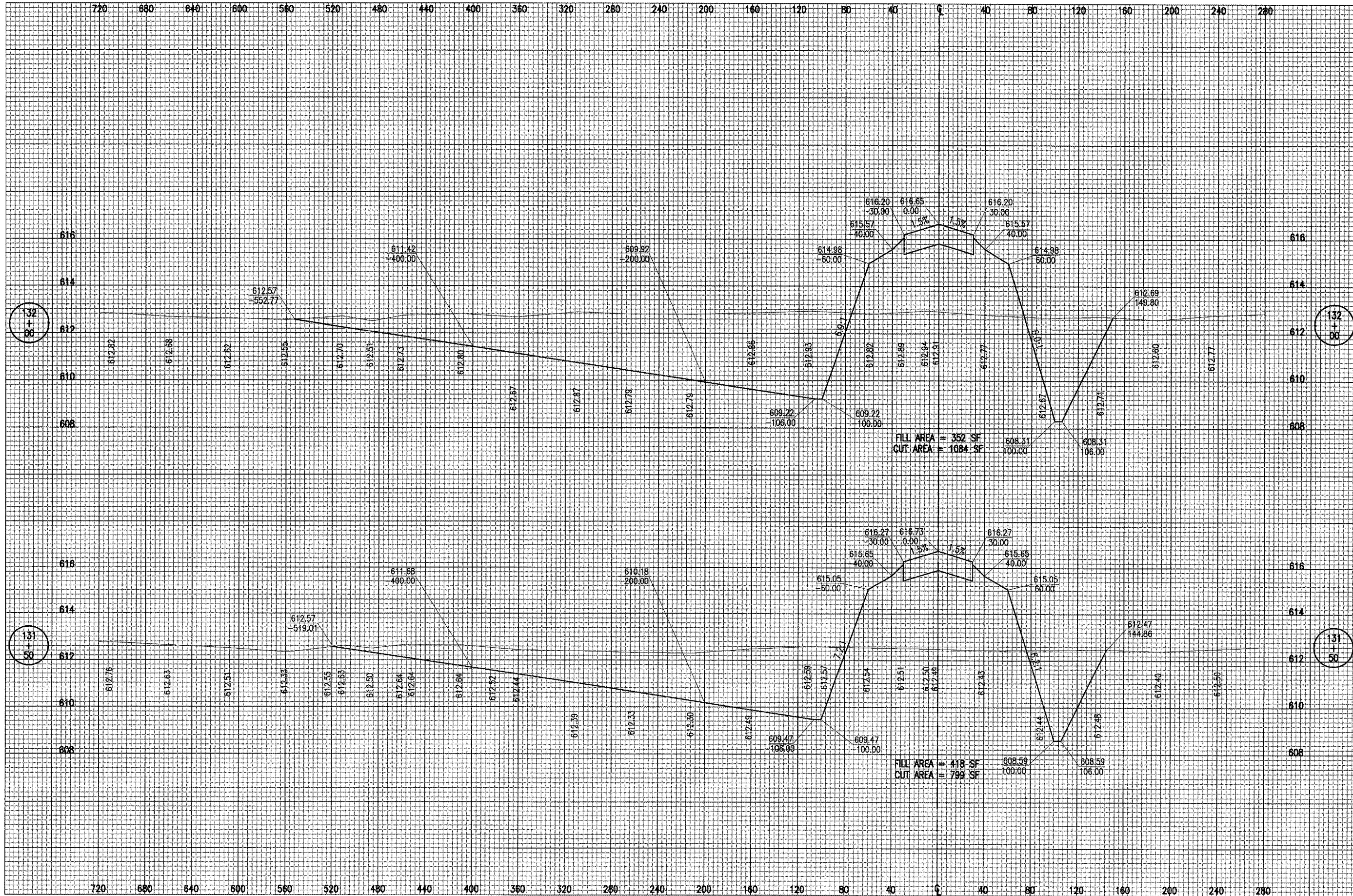
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

FILE PROJECT NO.	RAW	BAK	CAH
828-03RWYGD_0800	02/23/05	02/23/05	xx/xx/xx
R-316XS-927.DWG			
Scale: H. 1" = 40' V. 1" = 2'			
Date: 02/23/05			



CONSTRUCT
RUNWAY 9-27
 PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 130+50 TO STA. 131+00

MAY 05 2005 9:36 PM RAW
 I:\AIRPORTS\T.VILLE\828-03RWY\GD\AIRPORT\SHEETS\R-317XS-927.DWG - STA. 131+50 TO STA. 132+00



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

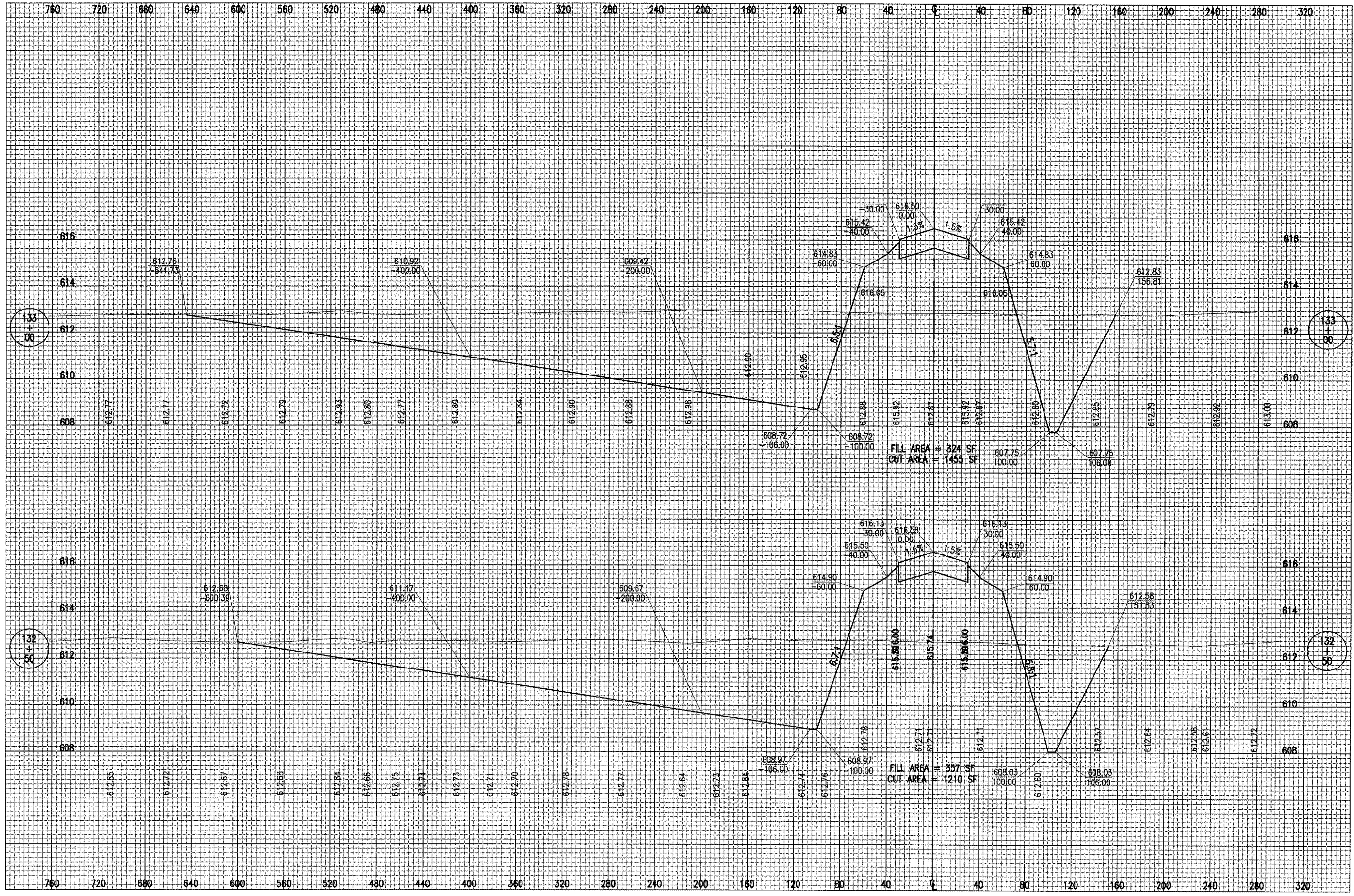
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PLAN No. R-317XS-927.DWG	BAK	02/24/05
SCALE H. 1" = 40' V. 1" = 2'	CAH	xx/xx/xx
DATE 02/24/05		



Hanson Professional Services Inc.
 1626 South Sixth Street
 Springfield, Illinois 62703-2888
 Offices Nationwide

CONSTRUCT
 RUNWAY 9-27
 PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 131+50 TO STA. 132+00

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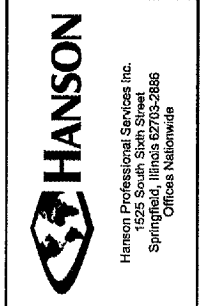


DATE	REVISION	BY

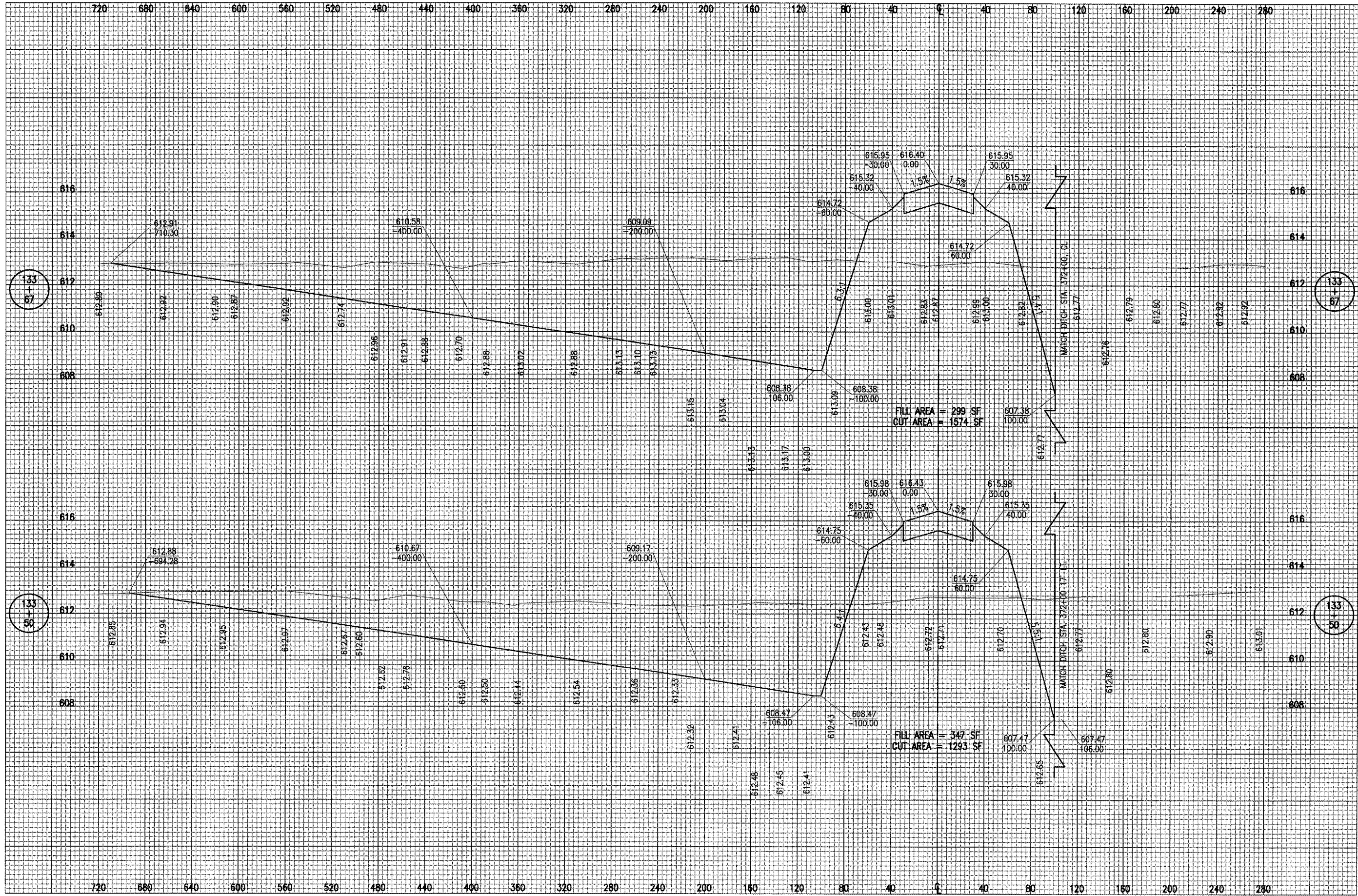
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

FILE	PROJECT NO.	RAW	02/24/05
R-318XS-927.DWG	828-03RWYGD_0800	BAK	02/24/05
Scale	H. 1" = 40' V. 1" = 2'	CAH	03/28/05
Date	02/24/05		



CONSTRUCT
RUNWAY 9-27
 PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 132+50 TO STA. 133+00



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL. PROJ.: TAZ-3166
 A.I.P. PROJ.: 3-17-0100-87

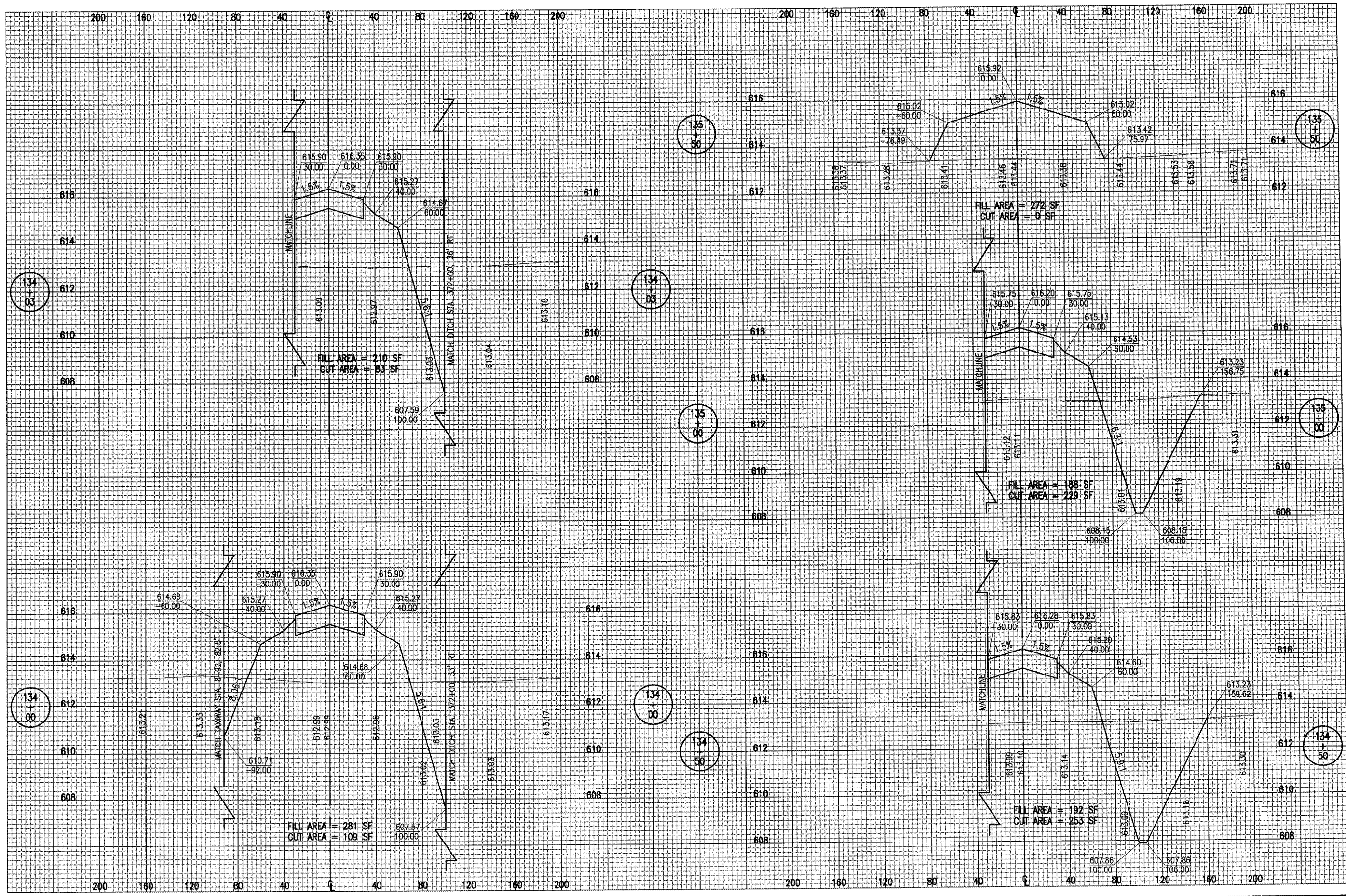
REVISION	DATE	BY	APP.
RAW	02/24/05		
ENK	02/24/05		
CAH	xx/xx/xx		

HSI Project No. 828-03RWYGD 0800
 File Name: R-319XS-927.DWG
 Scale: H: 1" = 40' V: 1" = 2'
 Date: 02/24/05



CONSTRUCT
RUNWAY 9-27
PROPOSED RUNWAY
CROSS-SECTIONS
 STA. 133+50 TO STA. 133+67

APR 07, 2005 10:32 PM RAW
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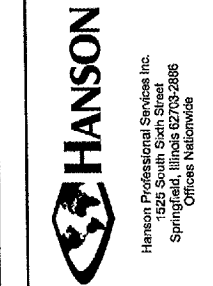


REVISION	DATE

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

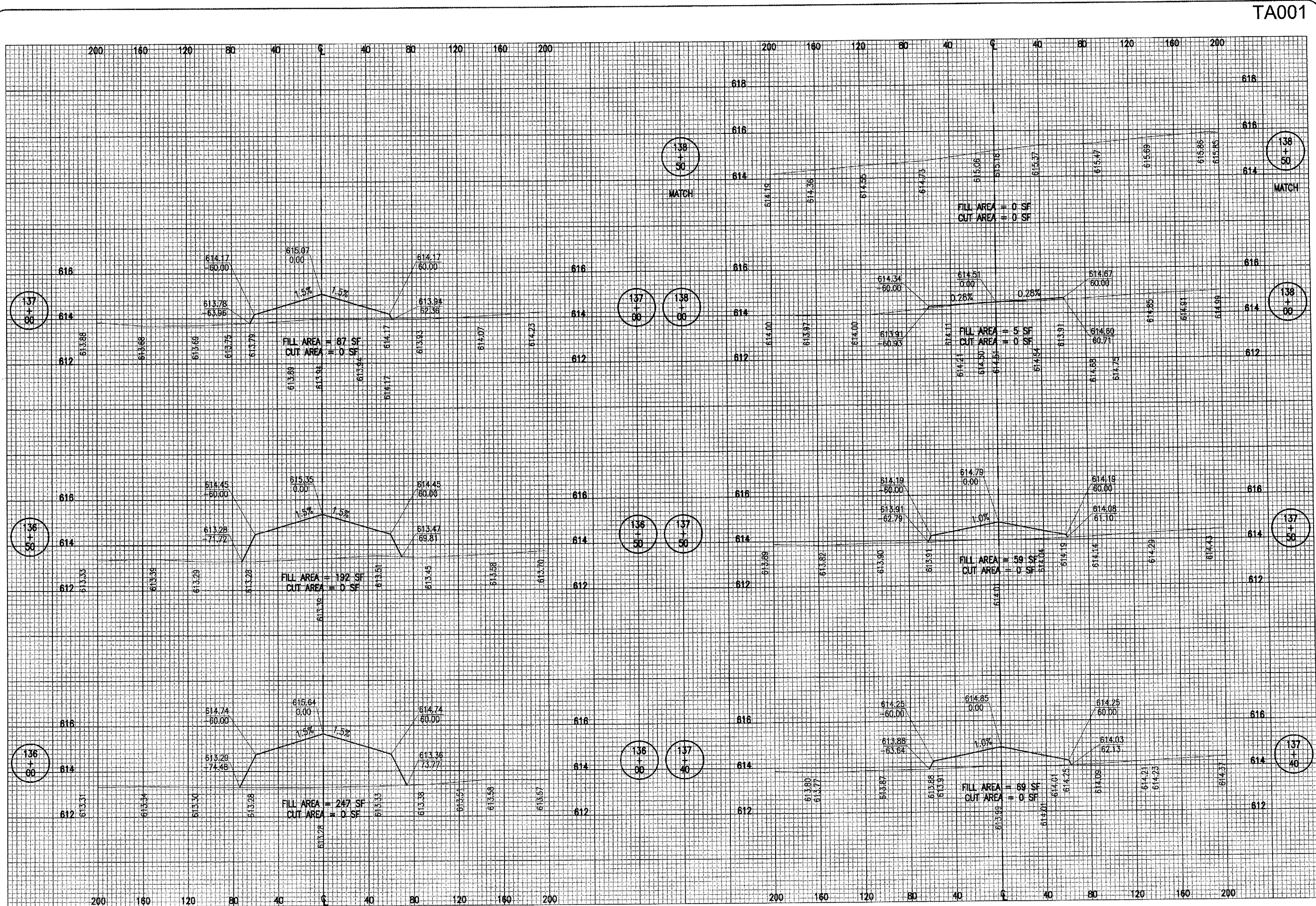
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Filename	R-320XS-927.DWG
Scale	H. 1" = 40' V. 1" = 2'
Date	02/24/05
LAYOUT	RAW 02/24/05
DRAWN	BHK 02/24/05
REVIEWED	CAH xx/xx/xx



CONSTRUCT
RUNWAY 9-27

PROPOSED RUNWAY
 CROSS-SECTIONS
 STA. 134+00 TO STA. 135+50

APR 07, 2005 10:34 PM RAW
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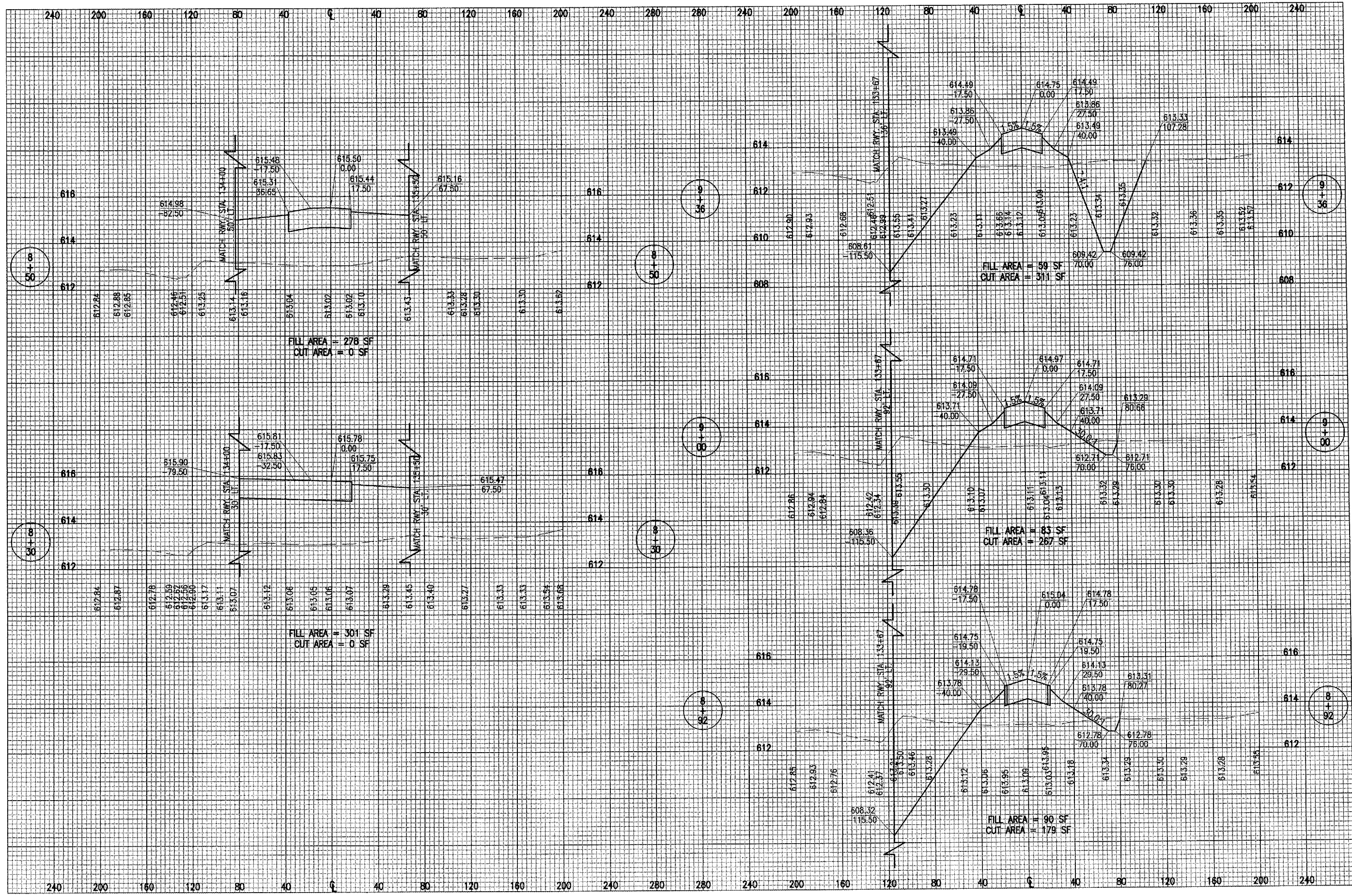
TA001

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
IL PROJ.: TAZ-3166 A.L.P. PROJ.: 3-17-0100-87

Hanson Professional Services Inc.
1525 South State Street
Springfield, IL 62762-2886
Offices Nationwide

CONSTRUCT
RUNWAY 9-27
PROPOSED RUNWAY
CROSS-SECTIONS
STA. 136+00 TO STA. 138+00



DATE	REVISION	BY

**TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS**

IL PROJ.: TAZ-3166 A.I.P. PROJ.: J-17-0100-87

IBD Project No. 828-03RWYGD 0800.
 Filename: R-331XS-TXY-A.DWG
 Scale: H, 1"=40' V, 1"=2'
 Date: 02/24/05

LAYOUT	RAW	02/18/05
DRAWN	MDR	02/24/05
REVIEWED	CAH	xx/xx/xx

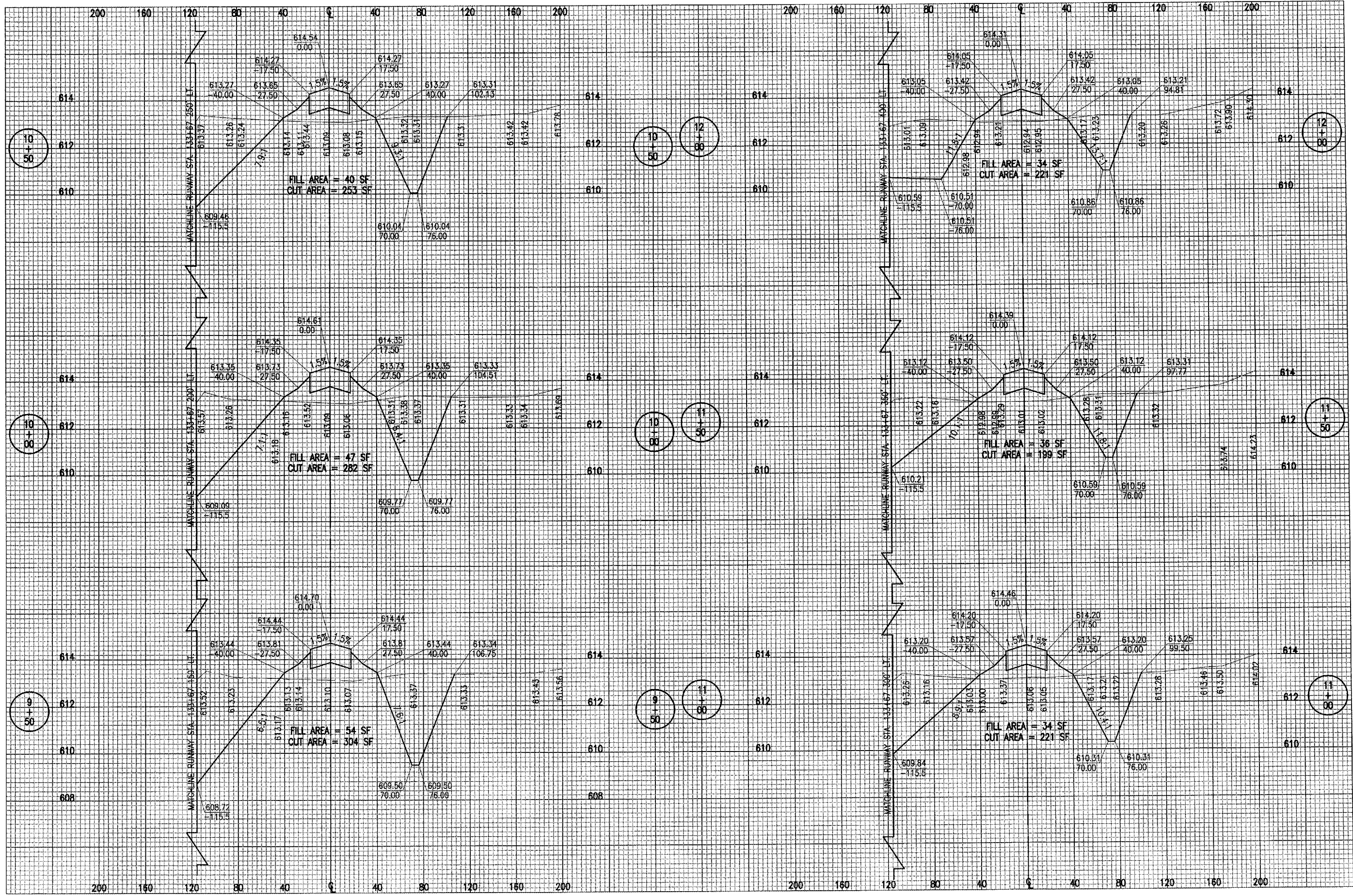


Hanson Professional Services Inc.
 1520 South State Street
 Springfield, IL 62703-2888
 Offices Nationwide

**CONSTRUCT
 RUNWAY 9-27**
 PROPOSED TAXIWAY
 CROSS-SECTIONS
 STA. 8+30 TO STA. 9+36

APR 07, 2005 10:35 PM RAW
 I:\AIRPORTS\TAYLORVILLE\828-03RWYGD\AIRPORT\SHEETS\1-332XS-TXY-A.DWG - STA. 9+50 TO STA. 12+00

TA001



DATE	REVISION	BY

**TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS**

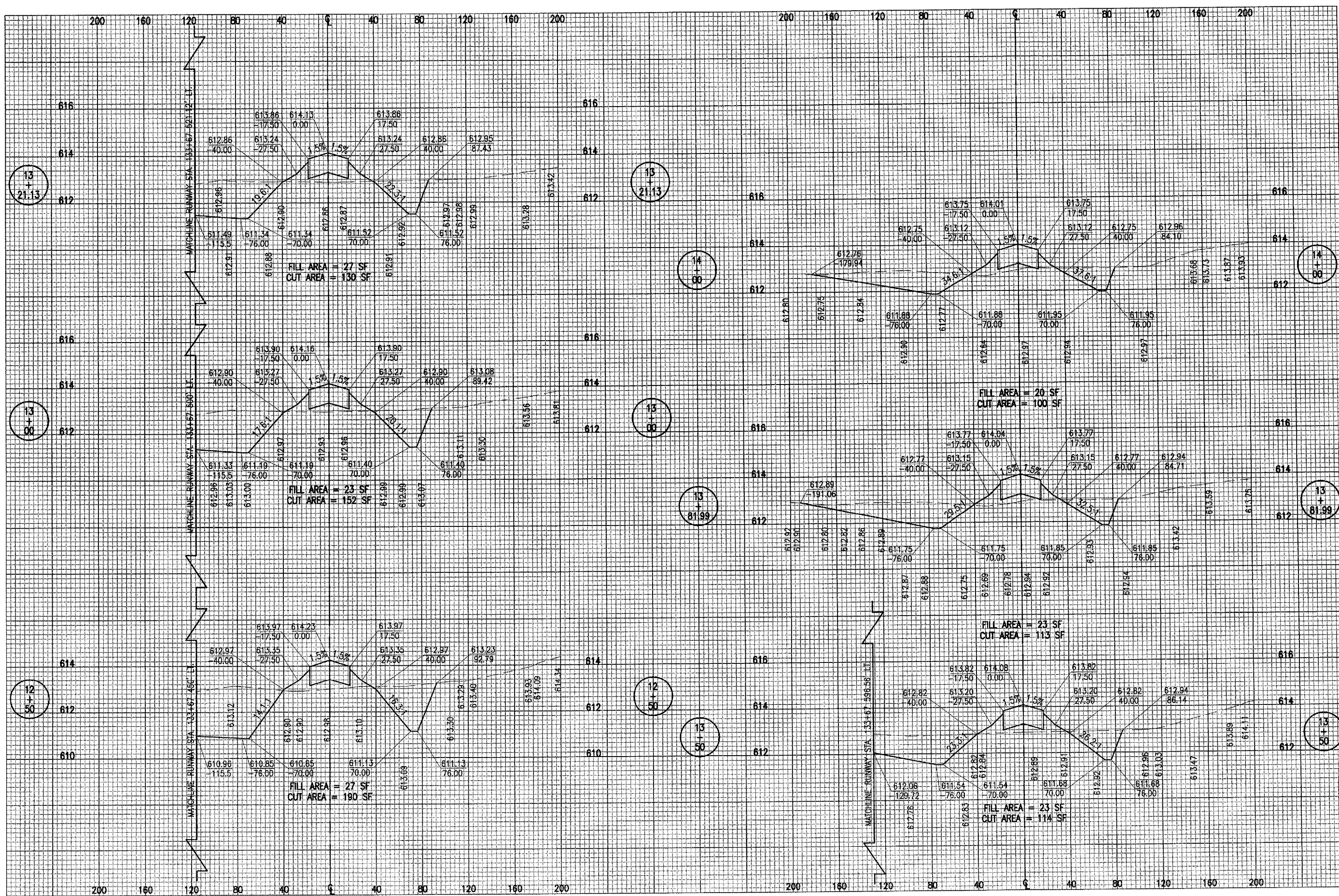
A.I.P. PROJ.: 3-17-0100-B7
 I.L. PROJ.: TAZ-3166

ILL. Project No. 828-03RWYGD 0800	RAW	02/18/05
Elevation R-332XS-TXY-A.DWG	MDR	02/24/05
Scale H. 1"=40' V. 1"=2'	CAH	xx/xx/xx
Date 02/24/05		
LAYOUT		
DRAWN		
REVIEWED		



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 1000 West State Street
 Springfield, Illinois 62703-2868
 Offices Nationwide

**CONSTRUCT
 RUNWAY 9-27
 PROPOSED TAXIWAY
 CROSS-SECTIONS
 STA. 9+50 TO STA. 12+00**



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

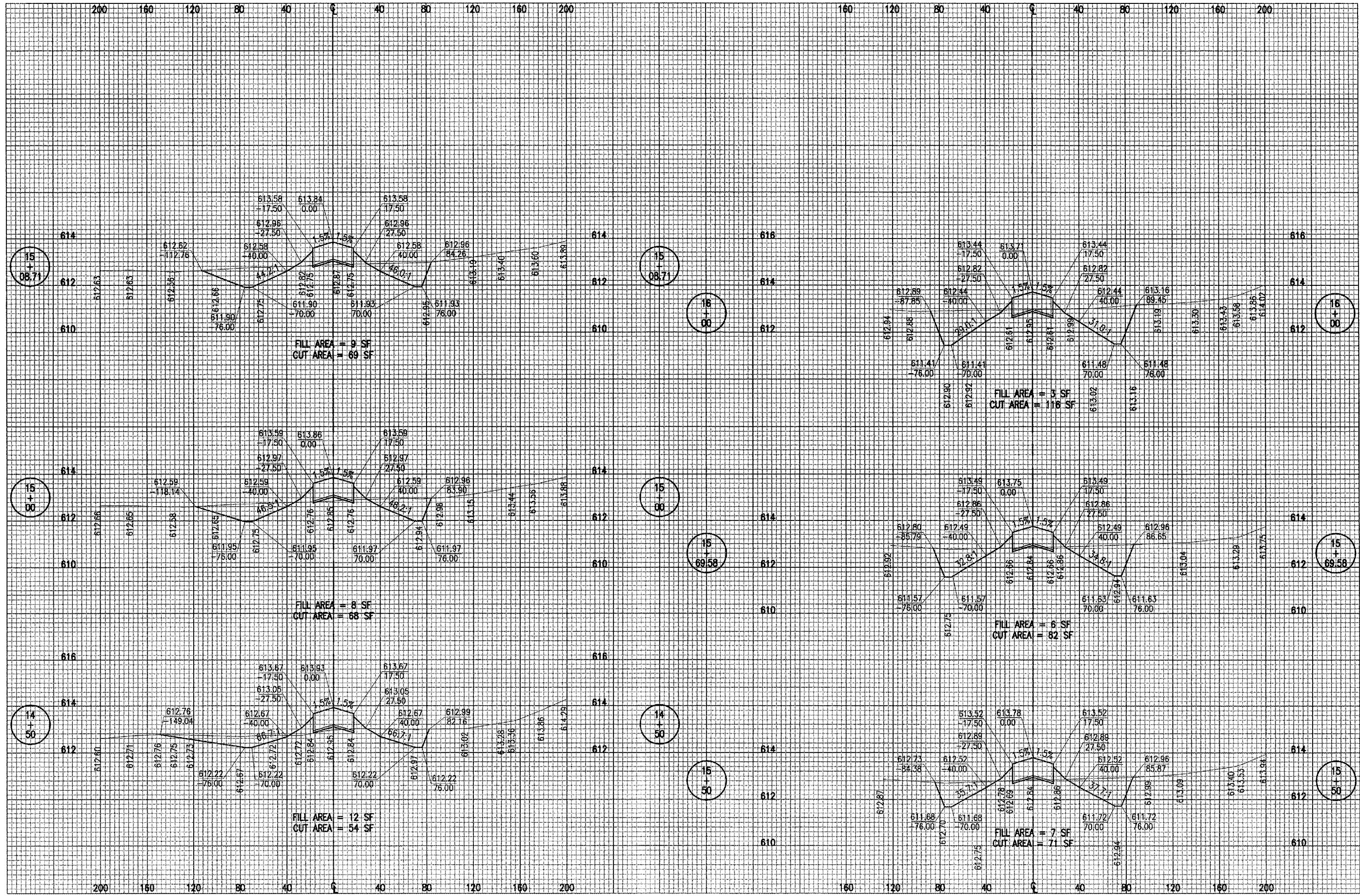
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 Filename R-333XS-TXY-A.DWG
 Scale H, 1" = 40' V, 1" = 2'
 Date 02/24/05

LAYOUT	RAW	02/24/05
DRAWN	BAK	02/24/05
REVIEWED	CAH	xx/xx/xx



CONSTRUCT
RUNWAY 9-27
 PROPOSED TAXIWAY
 CROSS-SECTIONS
 STA. 12+50 TO STA. 14+00

APR 07, 2005 10:36 PM RAW
H:\AIRPORTS\TALLEY\828-03RWYGD\AIRPORT\SHETS\R-334XS-TX-A.DWG - STA. 14+50 TO STA. 16+00



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

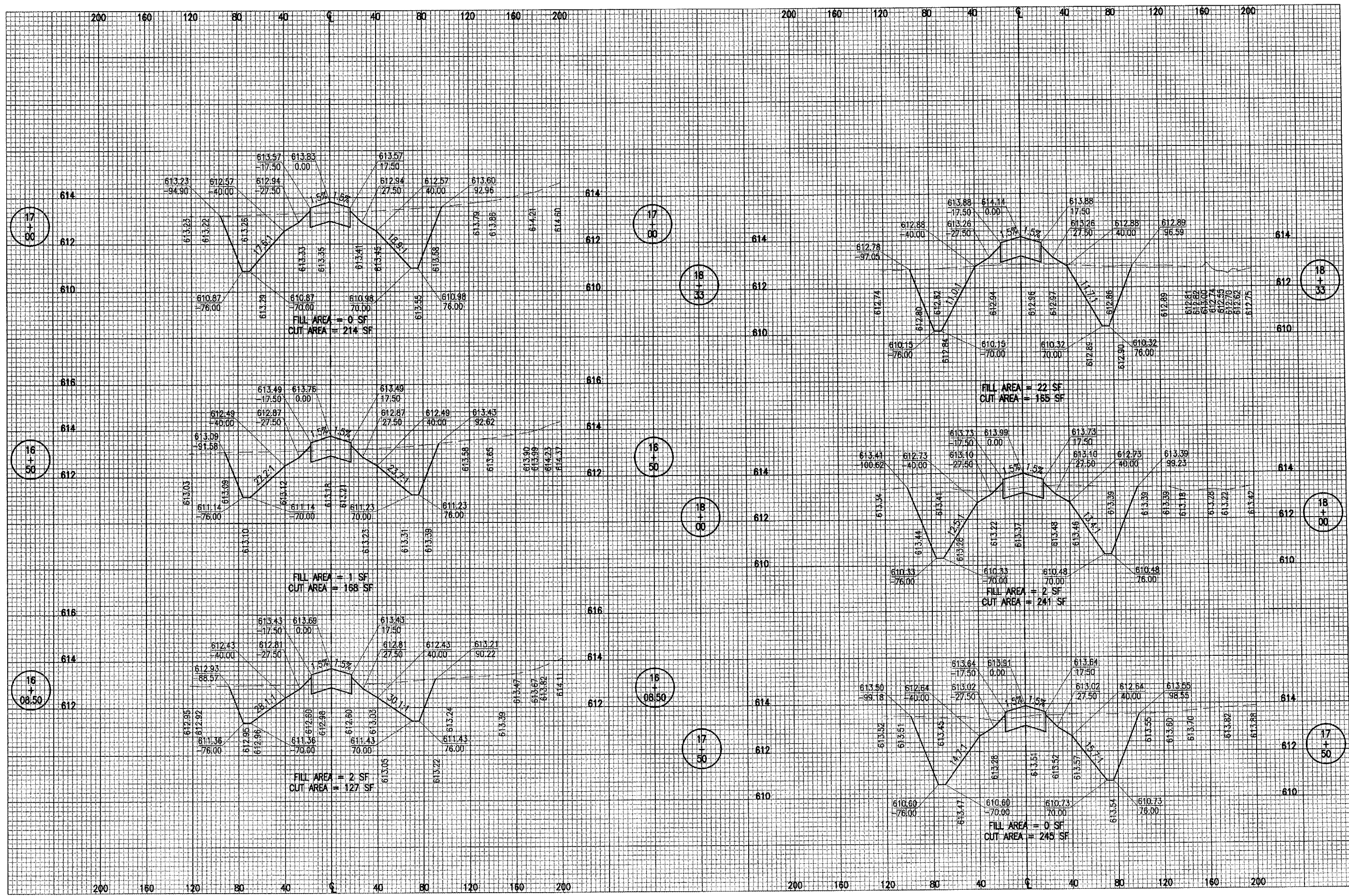
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IRI Project No. 828-03RWYGD 0800 File Name R-334XS-TX-A.DWG Scale H. 1" = 40' V. 1" = 2' Date 02/24/05	LAYOUT RAW 02/18/05 DRAWN MDR 02/24/05 REVIEWED CAH xx/xx/xx
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1025 South Main Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONSTRUCT
RUNWAY 9-27
PROPOSED TAXIWAY
CROSS-SECTIONS
STA. 14+50 TO STA. 16+00



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

ILL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

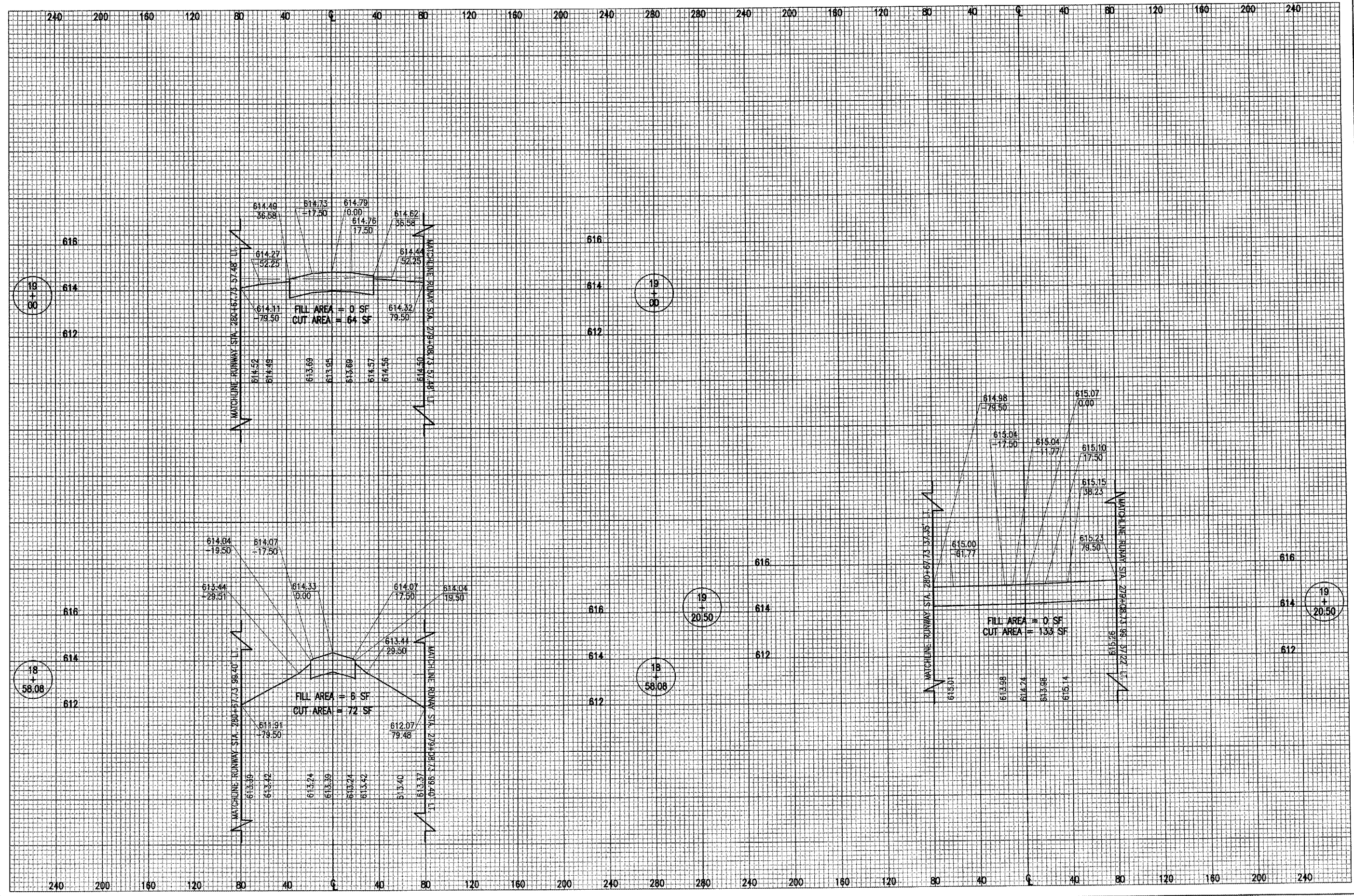
ILL. Project No. 828-03RWYGD 0800.
 Filename: R-335XS-TX-A.DWG
 Scale: H. 1" = 40' V. 1" = 2'
 Date: 02/25/05

LAYOUT	RAW	02/25/05
DRAWN	BHK	02/25/05
REVIEWED	CAH	xx/xx/xx



CONSTRUCT
RUNWAY 9-27
 PROPOSED TAXIWAY
 CROSS-SECTIONS
 STA. 16+08.50 TO STA. 18+33

APR 07, 2005 10:37 PM RAW
I:\AIRPORTS\TYL\828-03RWYGD\AIRPORT\SHEETS\R-336XS-TXY-A.DWG - STA. 18+58.08 TO STA. 19+20.50



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

FILE PROJECT NO.	828-03RWYGD 0800.
FILENAME	R-336XS-TXY-A.DWG
SCALE	H. 1" = 40' V. 1" = 2'
DATE	02/25/05
LAYOUT	RAW 02/25/05
DRAWN	BAK 02/25/05
REVIEWED	CAH xx/xx/xx

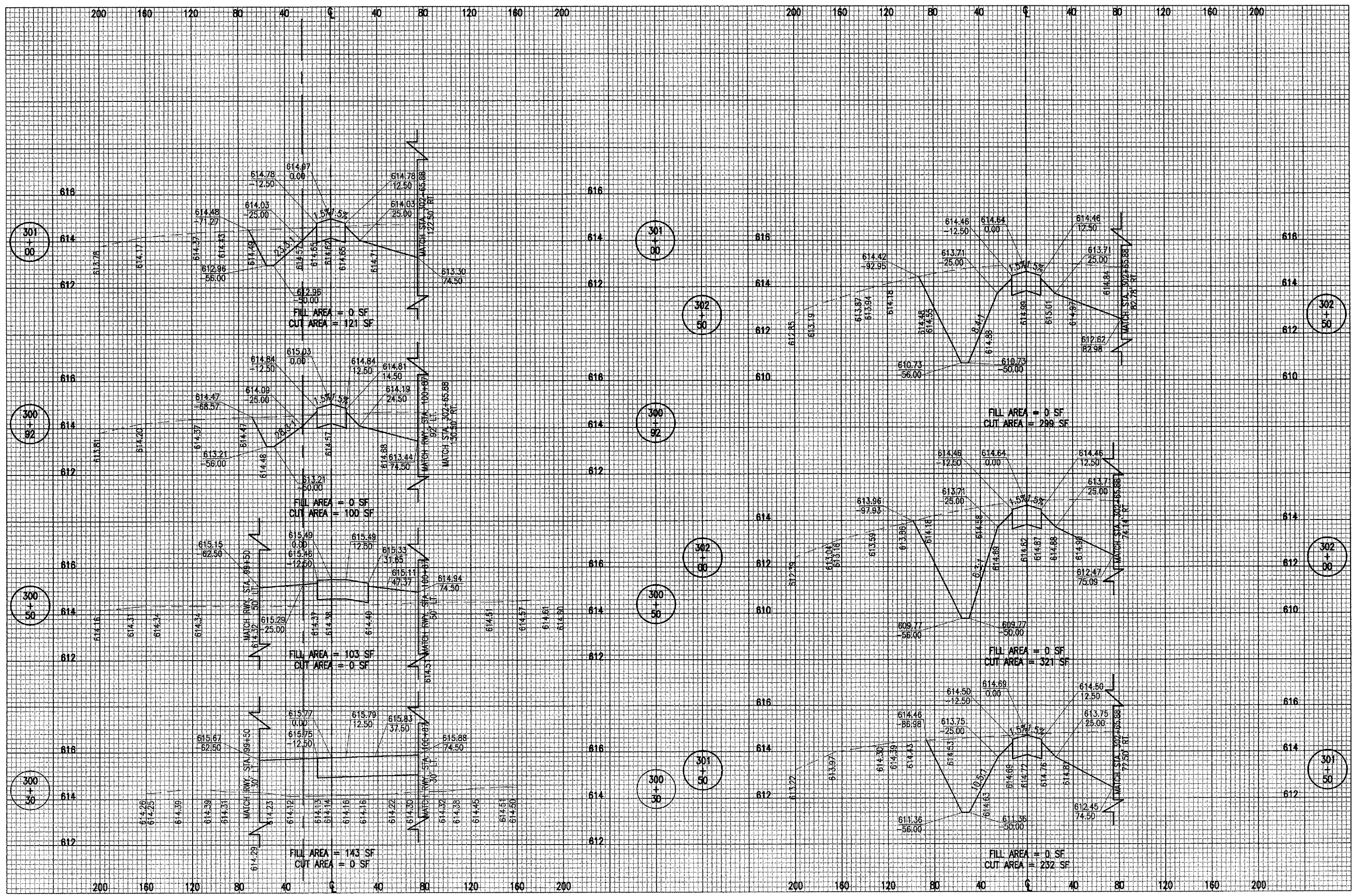


CONSTRUCT
RUNWAY 9-27

PROPOSED TAXIWAY
CROSS-SECTIONS

STA. 18+58.08 TO STA. 19+20.50

APR 11, 2005 2:26 PM BAK
 I:\AIRPORTS\TAYLORVILLE\B2B-03RWYGD\AIRPORT\341XS-TURN.DWG - STA. 300+00 TO STA. 302+50



DATE	REVISION	BY

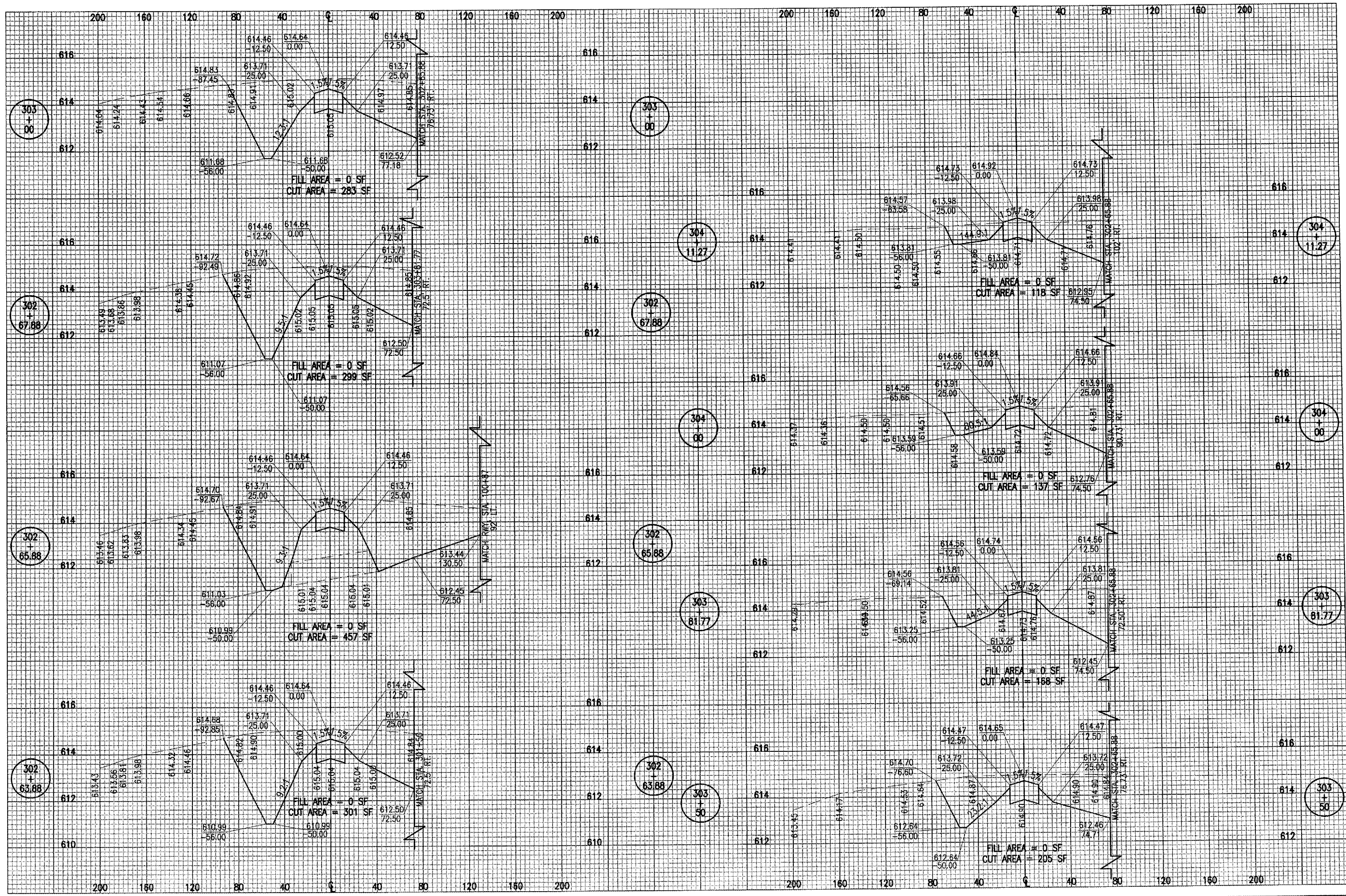
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

REL. Project No. 828-03RWYGD_0800	RAW	02/18/05
Drawn: R-341XS-TURN.DWG	MDR	02/25/05
Scale: H. 1" = 40' V. 1" = 2'	CAH	xx/xx/xx
Date: 02/25/05		



CONSTRUCT
RUNWAY 9-27
 PROPOSED TURN AROUND
 CROSS-SECTIONS
 STA. 300+00 TO STA. 302+50

APR 07, 2005 10:39 PM RAW
C:\ARPORTS\TAVILLE\B28-03RWYGD\AIRPORT\SHETS\R-342XS-TURN.DWG - STA. 302+63.88 TO STA. 304+11.27



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

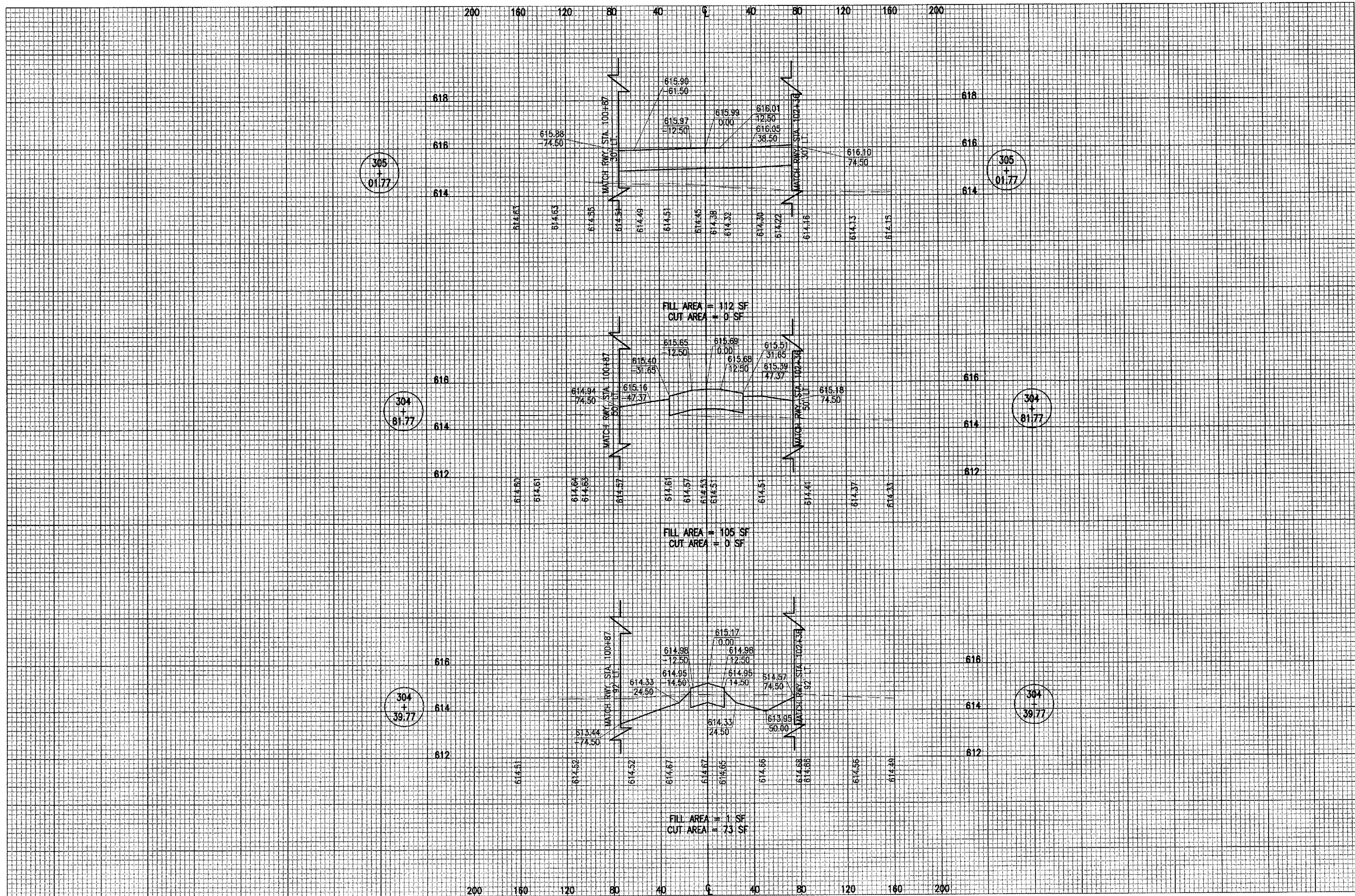
IL PROJ.: TAZ-3166 A.I.P. PROJ.: J-17-0100-B7

HSI Project No. 828-03RWYGD 0800. Flareouts R-342XS-TURN.DWG Scale H. 1"=40' V. 1"=2' Date 02/25/05	LAYOUT RAW 02/18/05 DRAWN MOR 02/25/05 REVIEWED CAH xx/xx/xx
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CONSTRUCT
RUNWAY 9-27

PROPOSED TURN AROUND
CROSS-SECTIONS
STA. 302+63.88 TO STA. 304+11.27



DATE	REVISION	BY

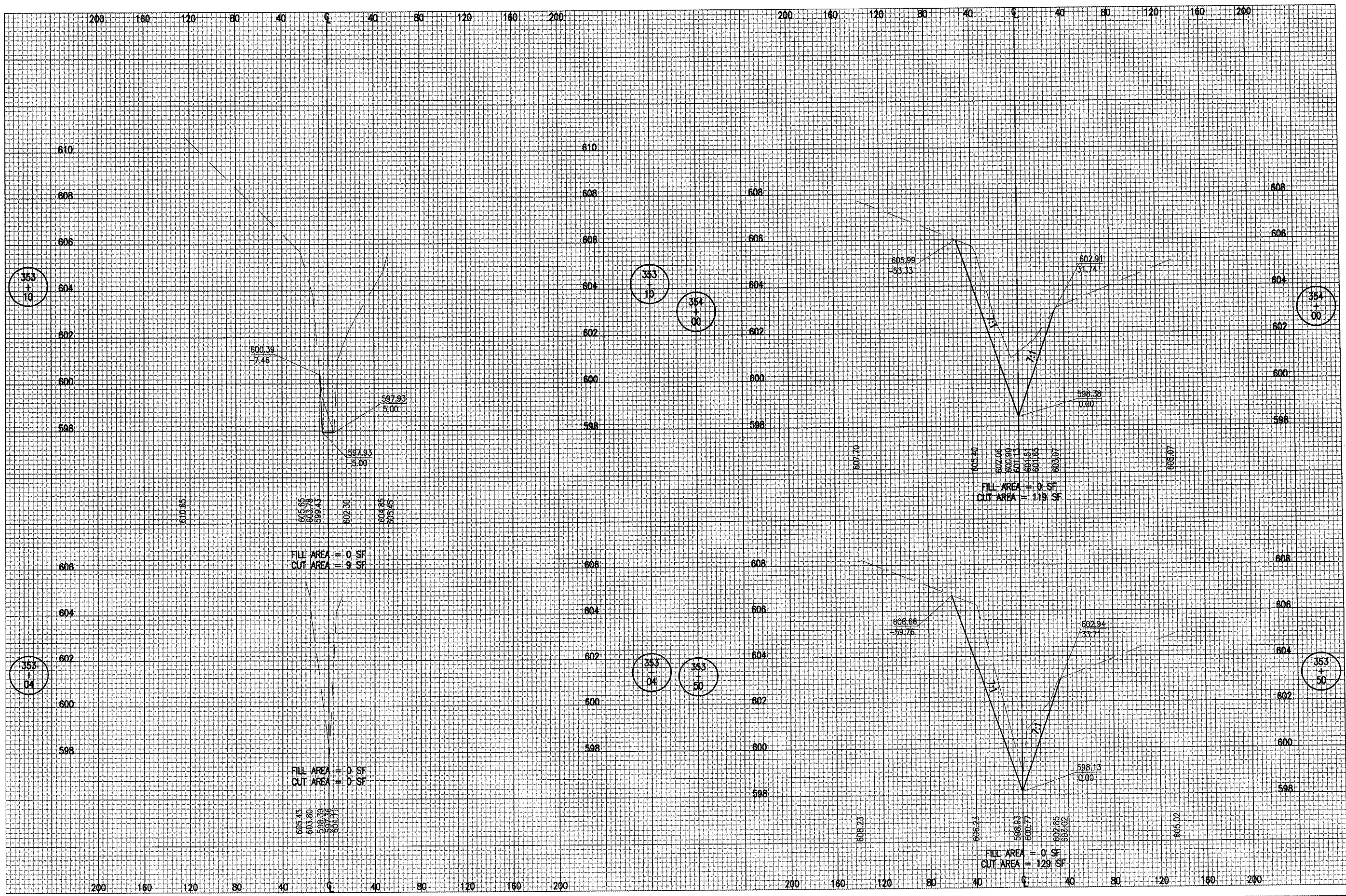
TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166
 A.I.P. PROJ.: 3-17-0100-87

HB Project No. 828-03RWYGD 0800 Filename: R-343XS-TURN.DWG Scale: H. 1" = 40' V. 1" = 2' Date: 03/02/05	LAYOUT DRAWN REVIEWED	RAW MDR CAH	02/18/05 03/02/05 xx/xx/xx
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CONSTRUCT
 RUNWAY 9-27
 PROPOSED TURNAROUND
 CROSS-SECTIONS
 STA. 304+39.77 TO STA. 305+01.77

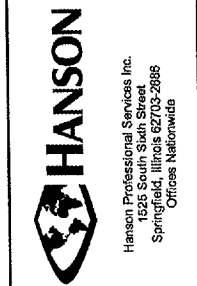
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DATE	REVISION	BY

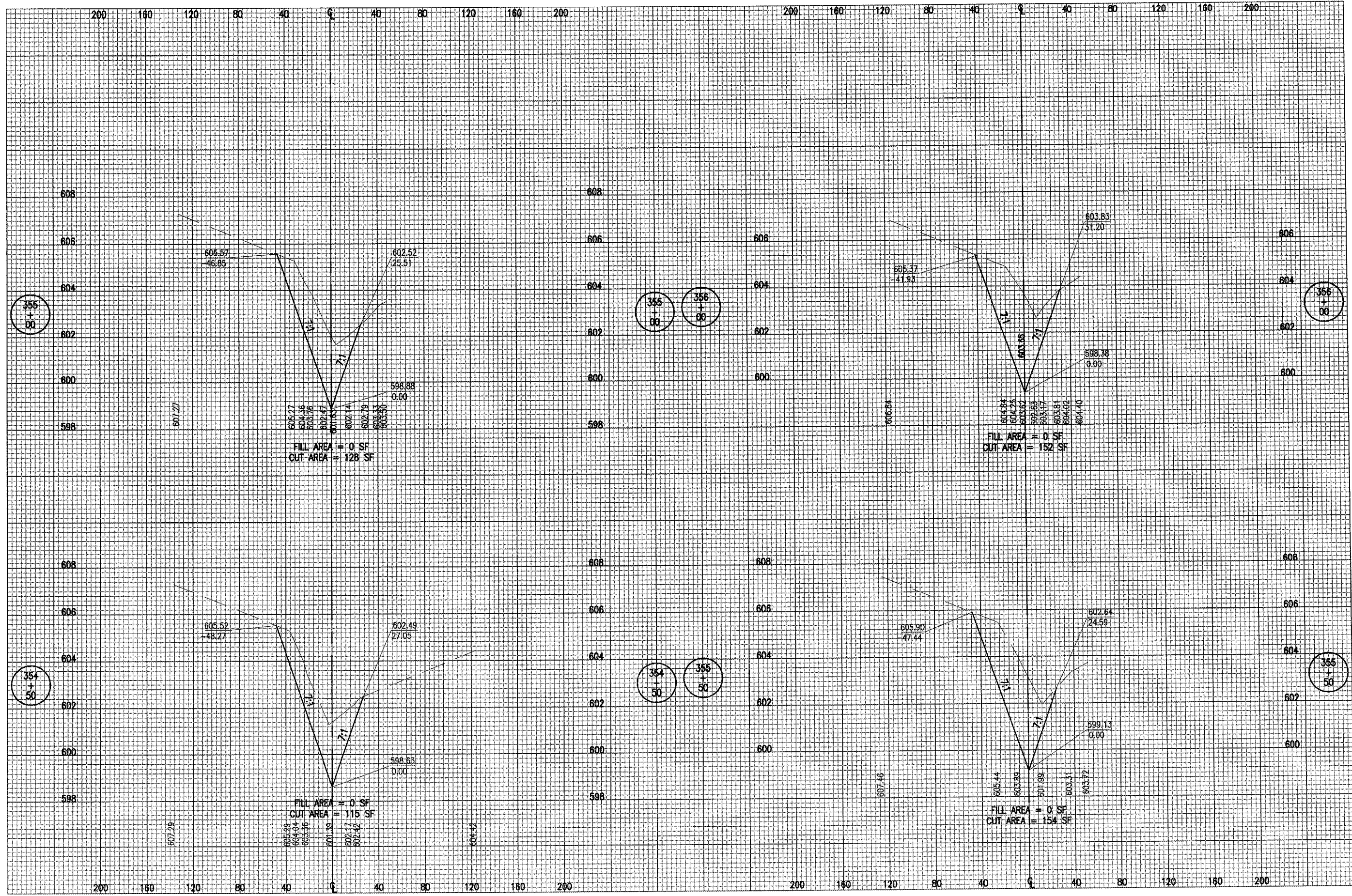
TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

ILL. Project No. 828-03RWYGD 0800 Elevation R-361-DITCH.DWG Scale H. 1" = 40' V. 1" = 2' Date 03/24/05	LAYOUT DRAWN MDR REVIEWED CAH	02/18/05 03/24/05 xx/xx/xx
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CONSTRUCT
 RUNWAY 9-27
 PROPOSED DITCH
 CROSS-SECTIONS
 STA. 353+04 TO STA. 354+00

APR 07, 2005 10:41 PM RAW
 E:\AIRPORTS\T\MILE\828-03RWYGD\AIRPORT\SHEETS\R-362-DTCH.DWG - Layout1



FILL AREA = 0 SF
 CUT AREA = 128 SF

FILL AREA = 0 SF
 CUT AREA = 152 SF

FILL AREA = 0 SF
 CUT AREA = 115 SF

FILL AREA = 0 SF
 CUT AREA = 154 SF

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS

IL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

Proj. No. 828-03RWYGD 0800
 Plan Name R-362-DTCH.DWG
 Scale H. 1" = 40' V. 1" = 2'
 Date 03/24/05

LAYOUT	RAW	02/18/05
DRAWN	MDR	03/24/05
REVIEWED	CAH	xx/xx/xx



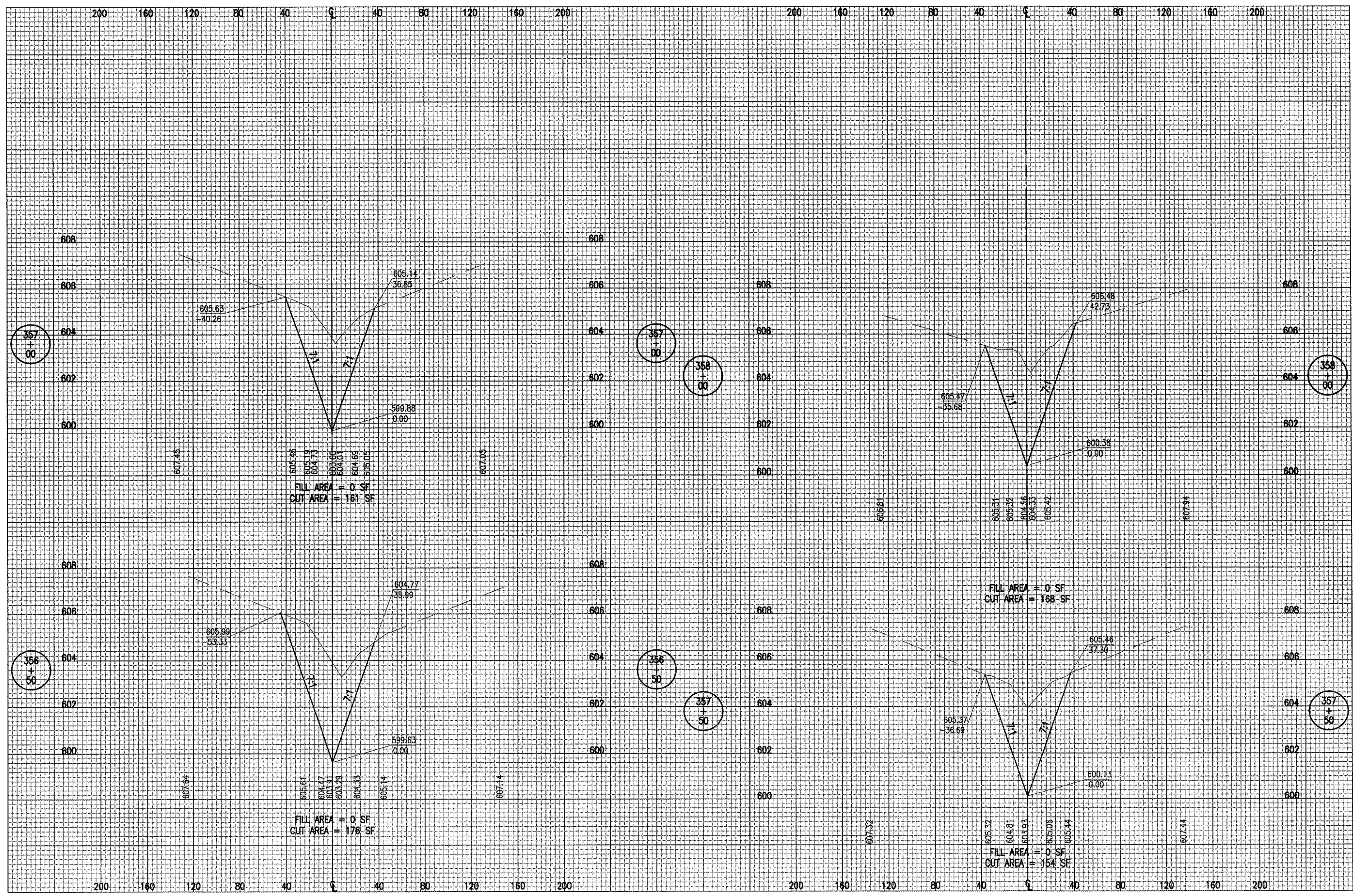
Hanson Professional Services Inc.
 1525 South Shen Street
 Springfield, Illinois 62766
 Chicago Nationwide

CONSTRUCT
 RUNWAY 9-27

PROPOSED DITCH
 CROSS-SECTIONS

STA. 354+50 TO STA. 356+00

APR 07, 2005 10:42 PM RAW
I:\AIRPORTS\TAYLORVILLE\828-03RWYGD\AIRPORT\SHEETS\R-363-DTCH.DWG - Layout1

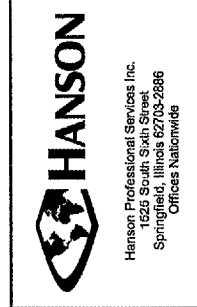


DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

FILE	PROJECT	PLANES	SCALE	DATE	LAYOUT	RAW	02/18/05
828-03RWYGD	0800	R-363-DTCH.DWG	H. 1" = 40' V. 1" = 2'	03/24/05	DRAWN	MDR	03/24/05
					REVIEWED	CAH	xx/xx/xx

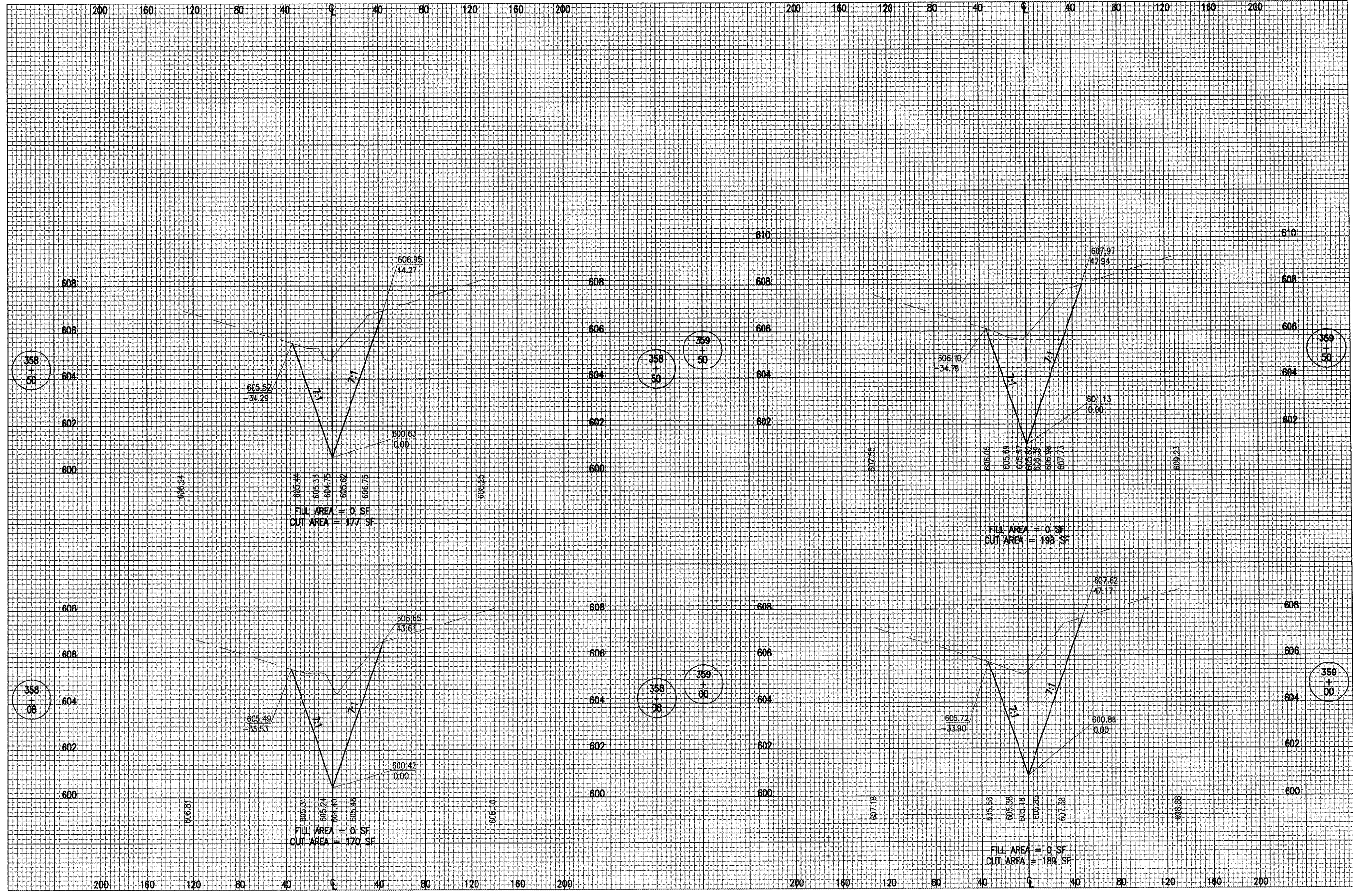


CONSTRUCT
RUNWAY 9-27

PROPOSED DITCH
CROSS-SECTIONS

STA. 356+50 TO STA. 358+00

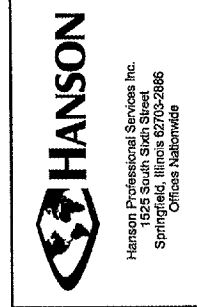
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DATE	REVISION	BY

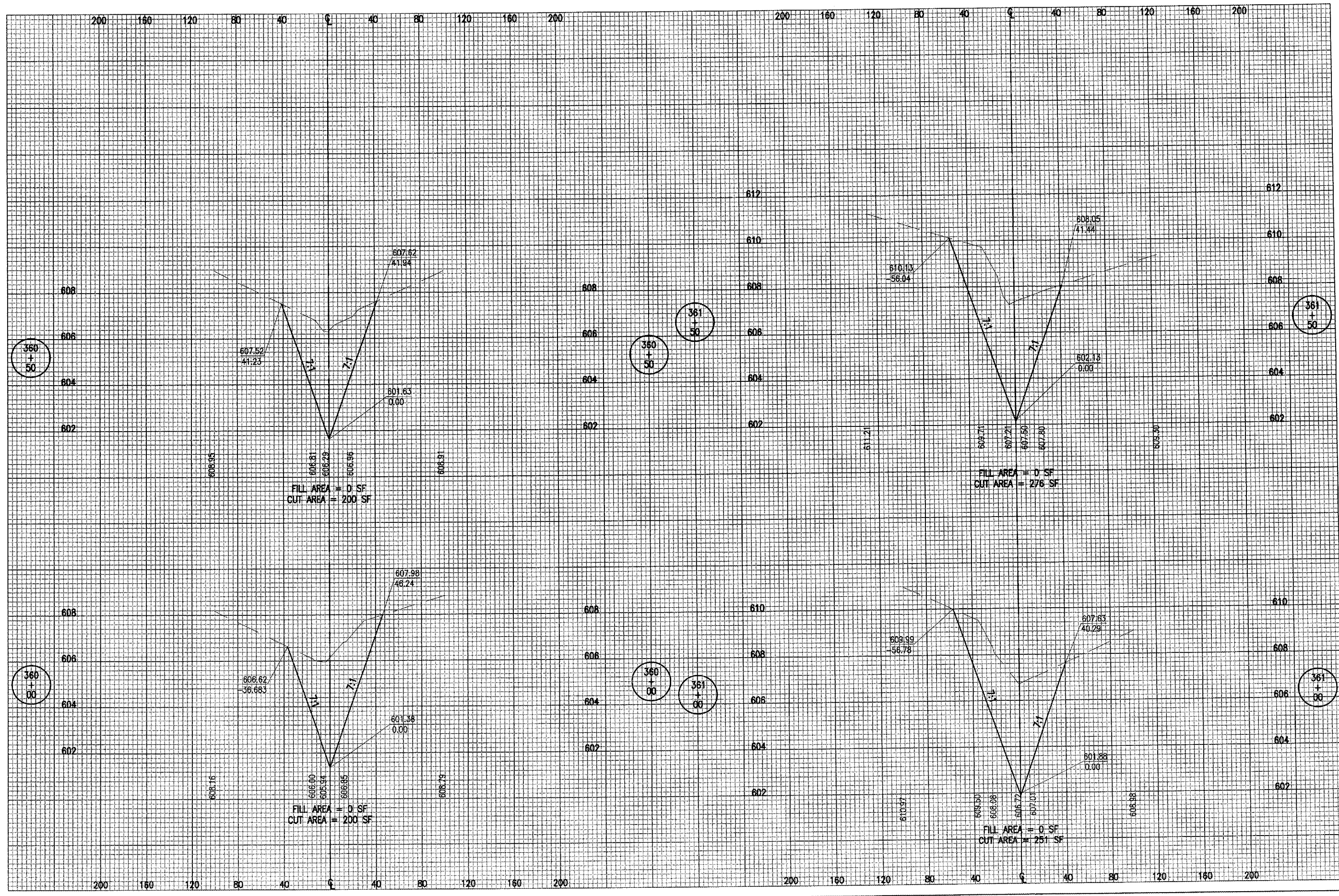
TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

REL. Project No. 828-03RWYGD_0800	RAW	02/18/05
Filename R-364-DTCH.DWG	MDR	03/24/05
Scale H. 1" = 40' V. 1" = 2'	REVIEWED	CAH
Date 03/24/05		xx/xx/xx



CONSTRUCT
 RUNWAY 9-27
 PROPOSED DITCH
 CROSS-SECTIONS
 STA. 358+08 TO STA. 359+50

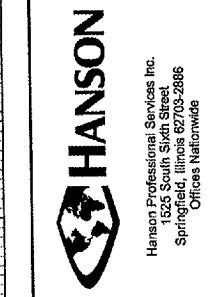
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DATE	REVISION	BY

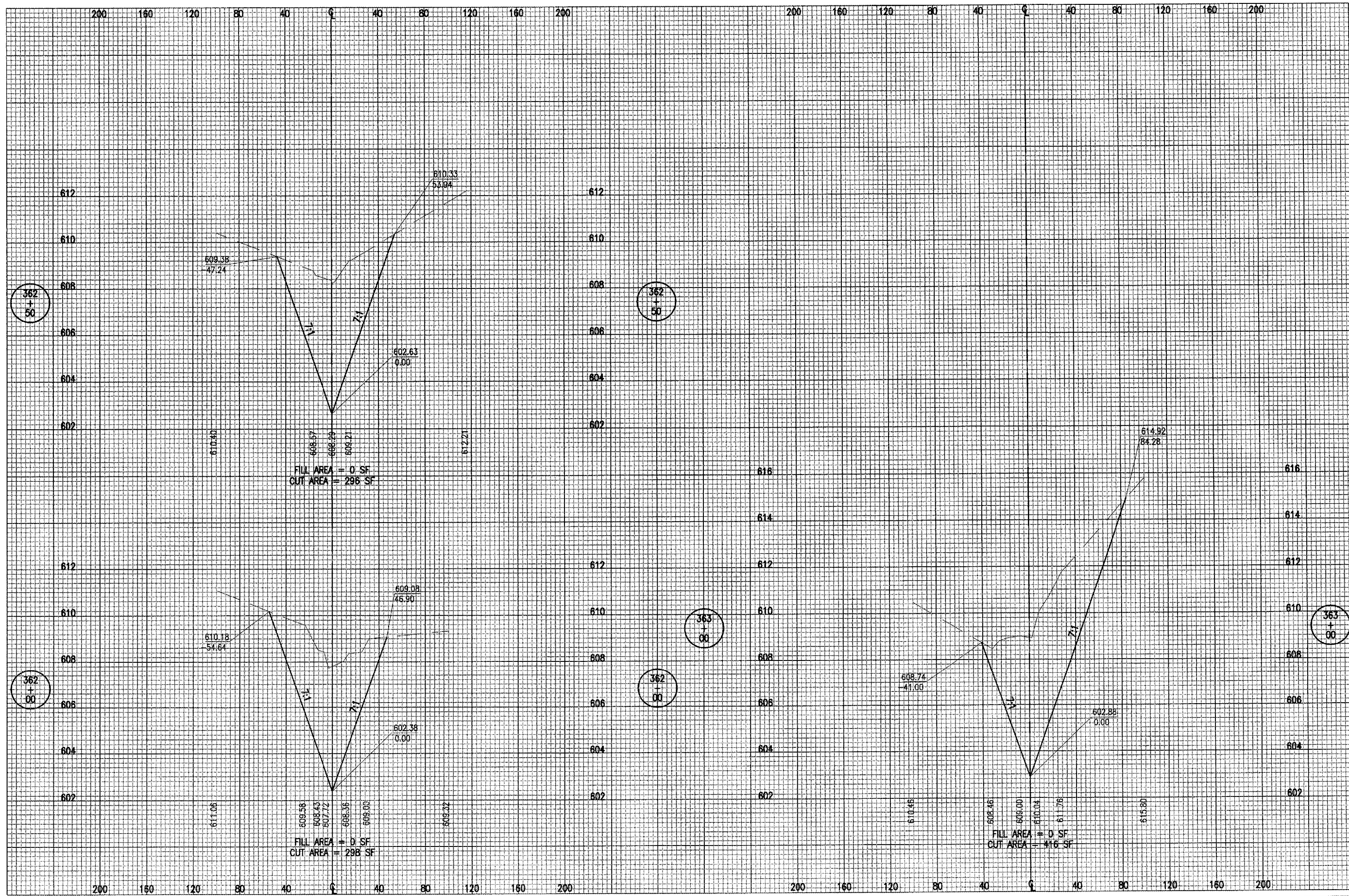
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
 ILL. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

ILL. Project No. 828-03RWYGD_0800 Filename: R-365-DTCH.DWG Scale: H. 1" = 40' V. 1" = 2' Date: 03/24/05	RAW 02/18/05 MDR 03/24/05 CAH xx/xx/xx
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CONSTRUCT
RUNWAY 9-27
 PROPOSED DITCH
 CROSS-SECTIONS
 STA. 360+00 TO STA. 361+50

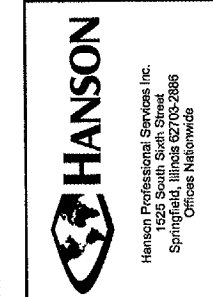
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DATE	REVISION	BY

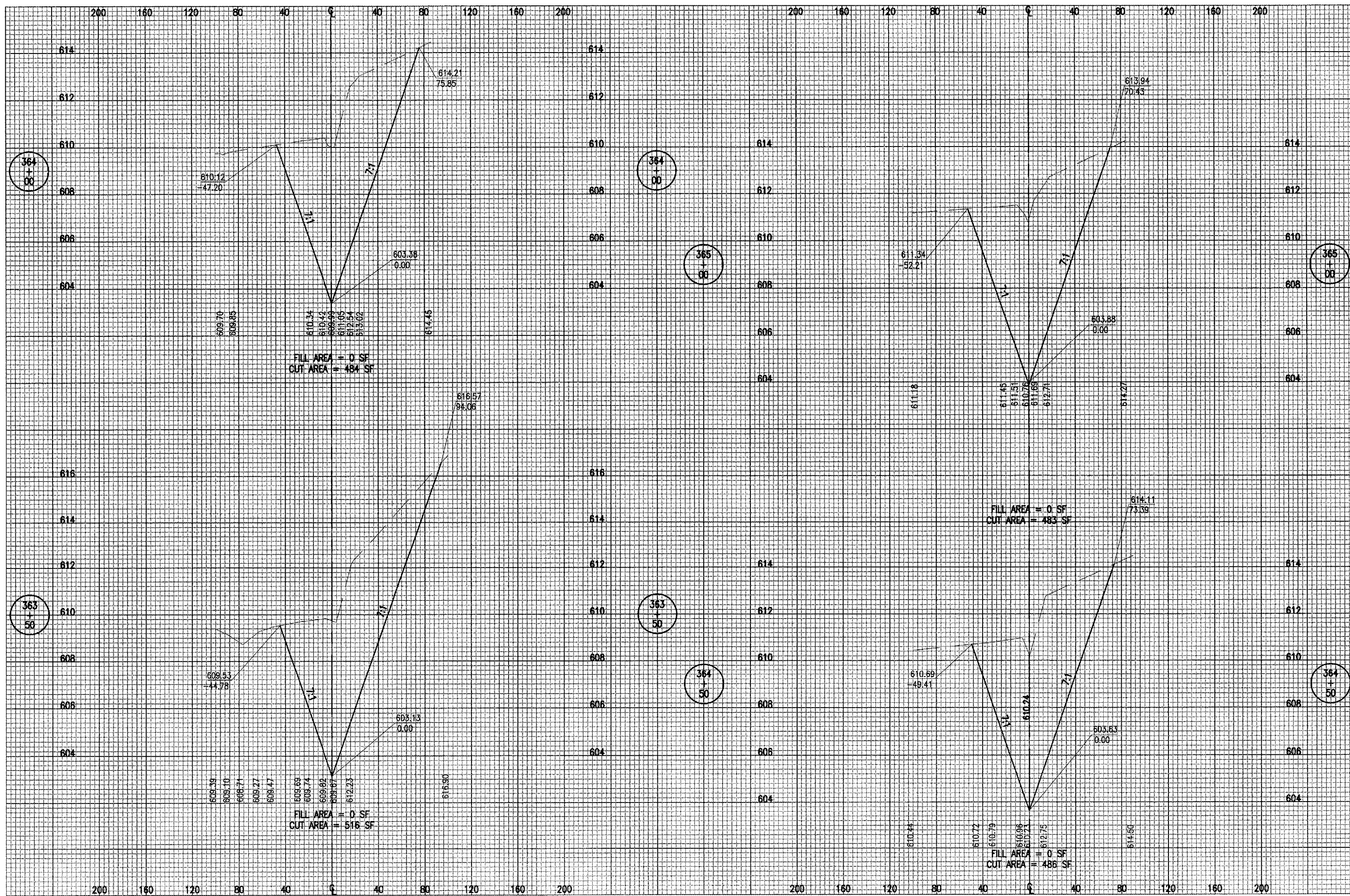
TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

FILE Project No. 828-03RWYGD_0800	RAW	02/15/05
Filename: R-366-DTCH.DWG	MDR	03/24/05
Scale: H. 1" = 40' V. 1" = 2'	CAH	xx/xx/xx
Date: 03/24/05		



CONSTRUCT
 RUNWAY 9-27
 PROPOSED DITCH
 CROSS-SECTIONS
 STA. 362+00 TO STA. 363+00

APR 11, 2005 2:31 PM BAK
 I:\AIRPORTS\TAVILLE\828-03RWYGD\AIRPORT SHEETS\R-367-DTCH.DWG - STA. 363+50 TO STA. 365+00



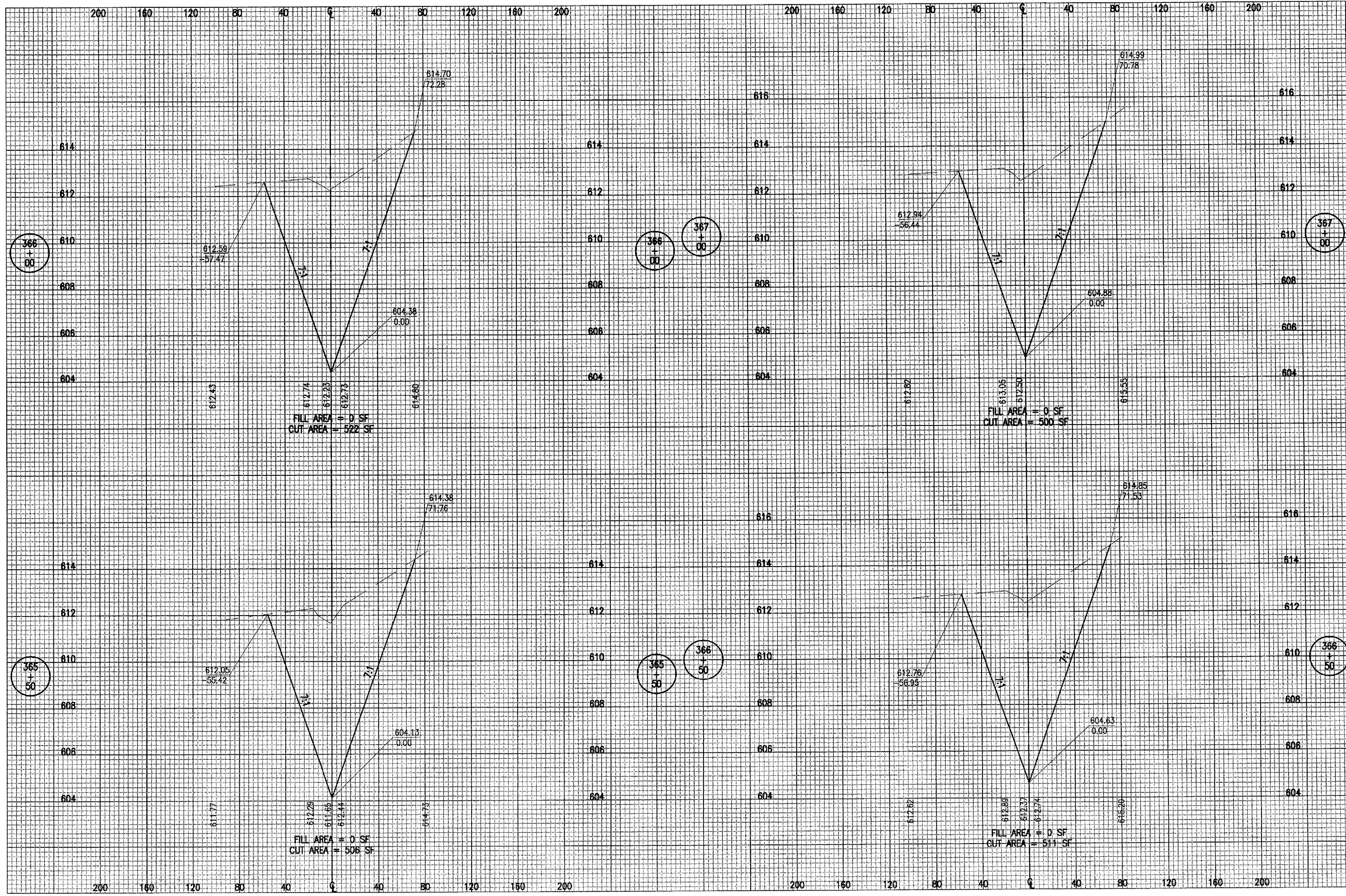
DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

I.L. Project No. 828-03RWYGD_0800 Engineer: R-367-DTCH.DWG Scale: H, 1" = 40' V, 1" = 2' Date: 03/24/05	LAYOUT RAW 02/18/05 DRAWN MDR 03/24/05 REVIEWED CAH
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CONSTRUCT
 RUNWAY 9-27
 PROPOSED DITCH
 CROSS-SECTIONS
 STA. 363+50 TO STA. 365+00



APR 07, 2005 10:46 PM RAW
 I:\AIRPORTS\TAYLORVILLE\828-03RWYGD\AIRPORT\SHEETS\R-368-DITCH.DWG - STA. 365+50 TO 367+00

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS

IL. PROJ.: TAZ-3166 A.I.P. PROJ.: J-17-0100-B7

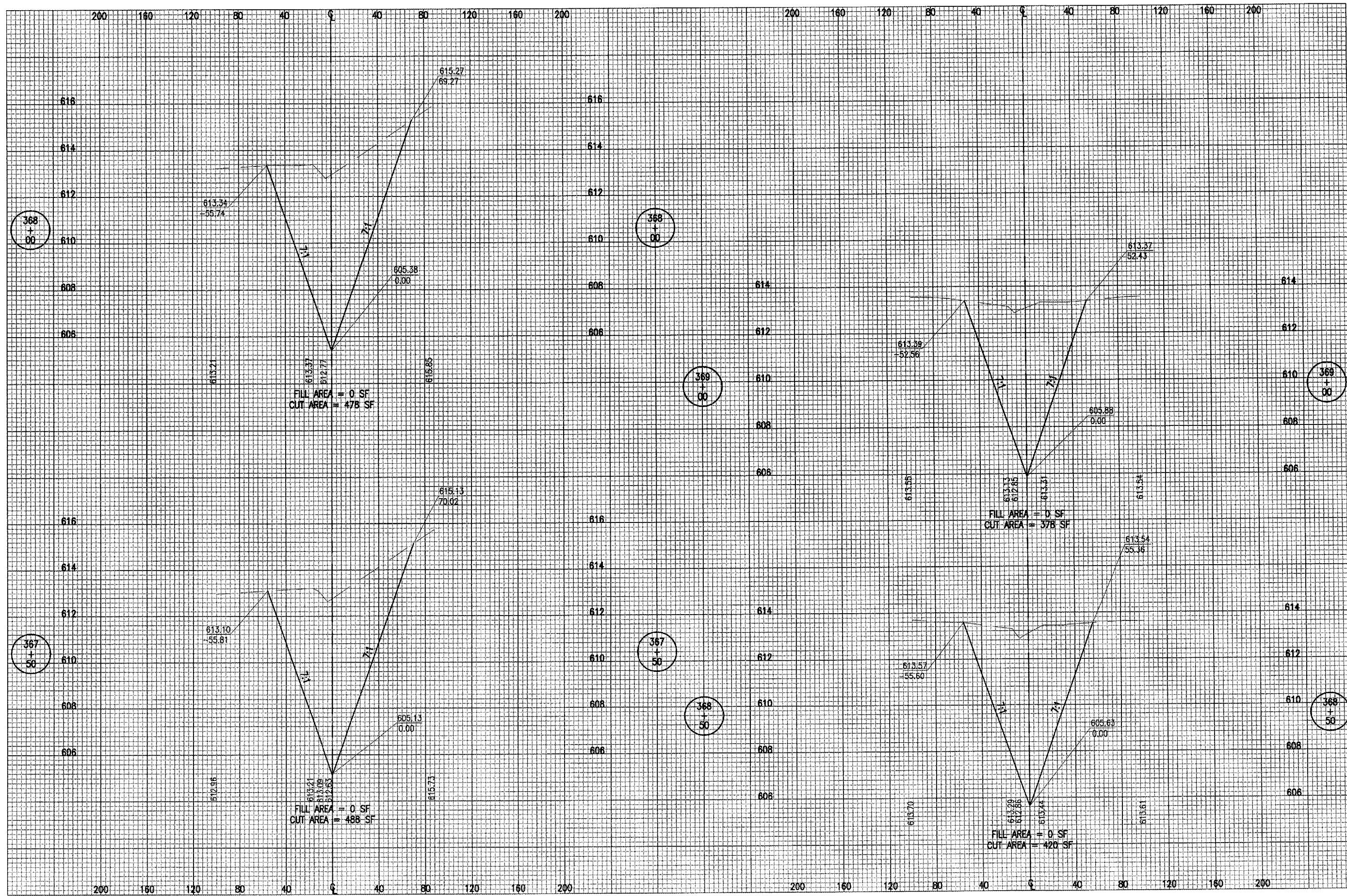
FILE	PROJECT NO.	DATE
R-368-DITCH.DWG	828-03RWYGD_0800	02/18/05
Scale	H. 1" = 40' V. 1" = 2'	RAW
Date	03/24/05	MDR
		CAH



Hanson Professional Services Inc.
 10500 W. 111th St.
 Springfield, Illinois 62703-2886
 Offices Nationwide

CONSTRUCT
 RUNWAY 9-27
 PROPOSED DITCH
 CROSS-SECTIONS
 STA. 365+50 TO STA. 367+00

APR 07, 2005 10:47 PM RAW
 C:\AIRPORTS\TAYLORVILLE\826-03RWYGD\AIRPORT\SHEETS\R-369-DTCH.DWG - STA. 367+50 TO STA. 369+00



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS

IL. PROJ.: FAZ-3166 A.I.P. PROJ.: 3-17-0100-87

HD Project No. 826-03RWYGD 0800 File Name R-369-DTCH.DWG Scale H. 1" = 40' V. 1" = 2' Date 03/24/05	LAYOUT RAW 02/18/05 DRAWN MDR 03/24/05 REVIEWED CAH xx/xx/xx
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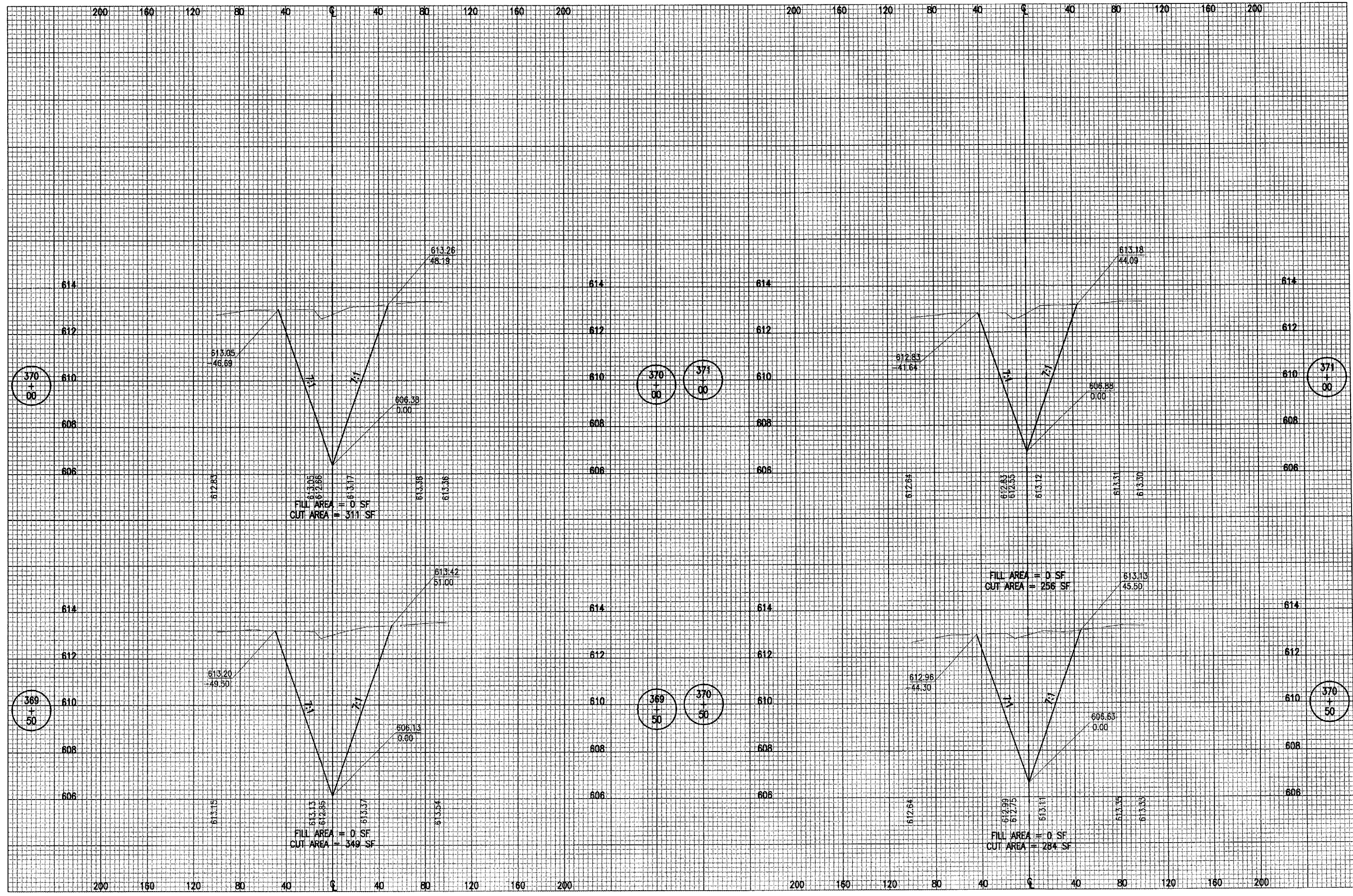
Hanson Professional Services Inc.
 1526 South State Street
 Springfield, Illinois 62768
 Offices Nationwide

CONSTRUCT
 RUNWAY 9-27

PROPOSED DITCH
 CROSS-SECTIONS

STA. 367+50 TO STA. 369+00

APR 07 2005 10:48 PM RAW
 I:\AIRPORTS\TAYLORVILLE\828-03RWYGD\AIRPORT\SHEETS\R-370-DTCH.DWG - STA. 369+50 TO STA. 371+00



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

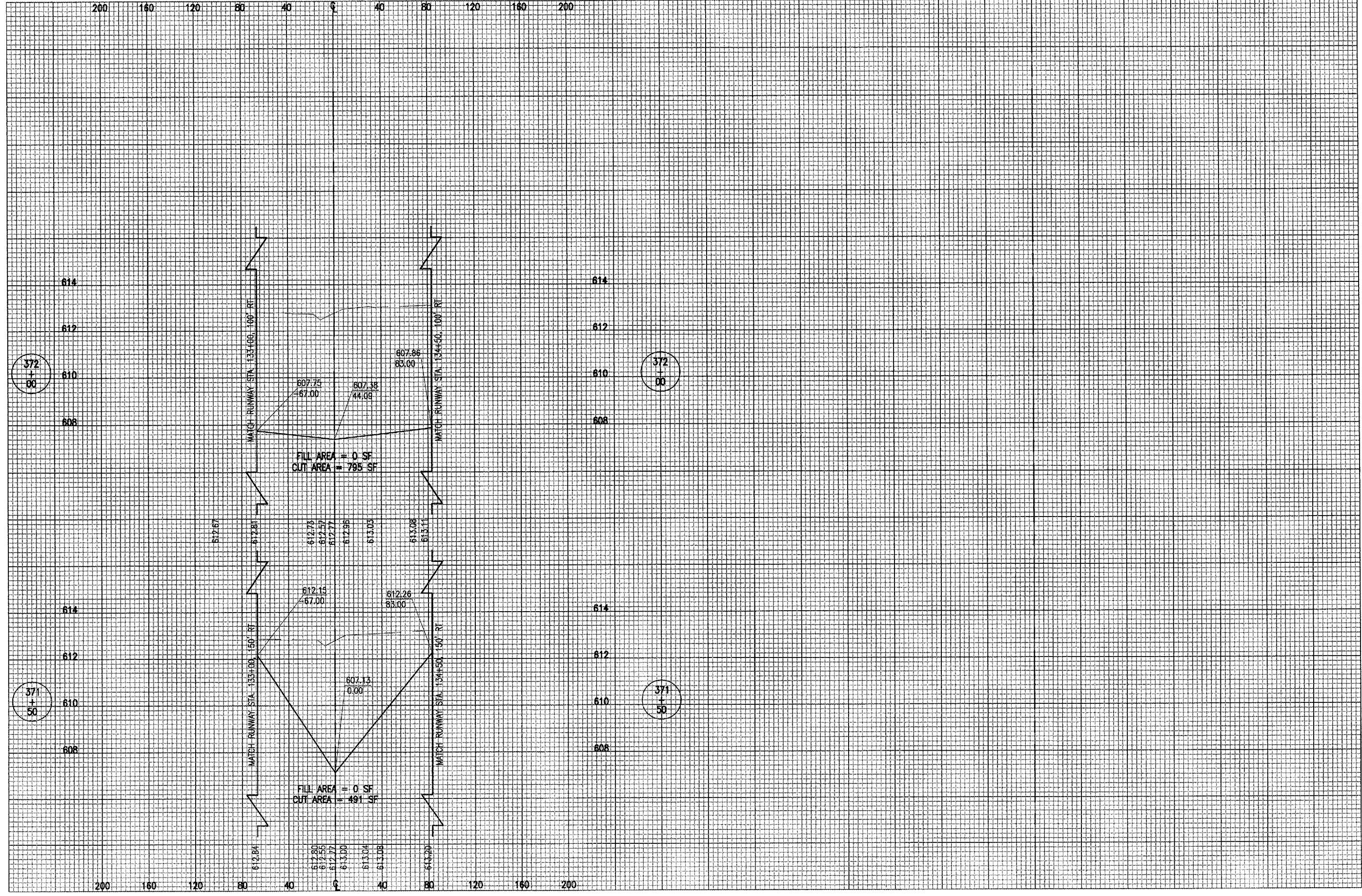
FILE	DATE	BY
828-03RWYGD_0800	03/24/05	xx/xx/xx
R-370-DTCH.DWG	02/18/05	RAW
H. 1" = 40' V. 1" = 2'	03/24/05	MDR
		CAH



Hanson Professional Services Inc.
 1026 South Sixth Street
 Springfield, IL 62760-2888
 Offices Nationwide

CONSTRUCT
 RUNWAY 9-27
 PROPOSED DITCH
 CROSS-SECTIONS
 STA. 369+50 TO STA. 371+00

APR 11, 2005 2:43 PM BAK
 I:\AIRPORTS\TAYLORVILLE\B28-03RWYGD\AIRPORT\SHEETS\R-371-DTCH.DWG - STA. 371+50 TO STA. 372+00



DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

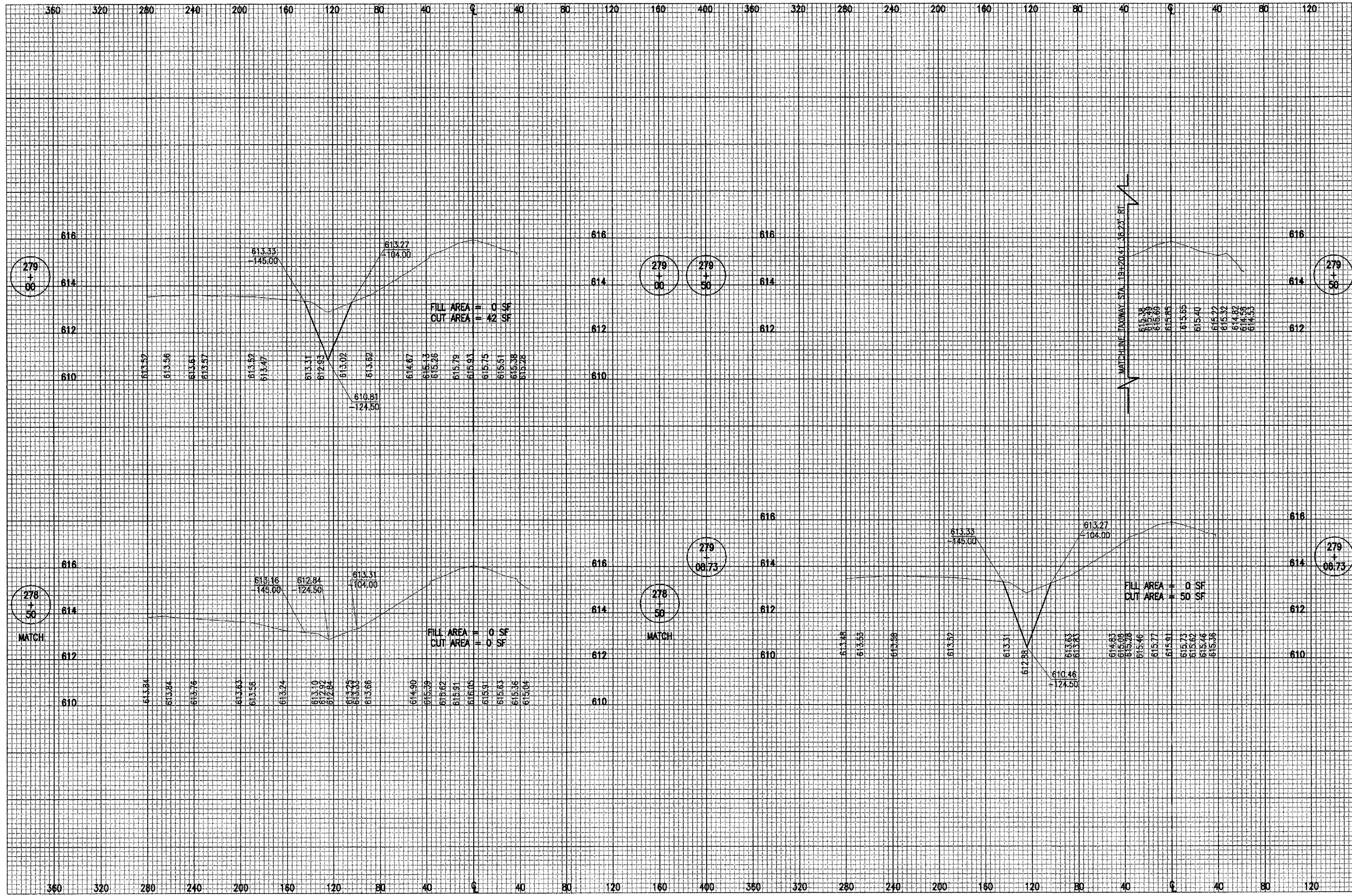
REG. PROJECT No. B28-03RWYGD 0800
 Filename R-371-DTCH.DWG
 Scale H. 1" = 40' V. 1" = 2'
 Date 03/24/05

LAYOUT	RAW
DRAWN	MDR
REVIEWED	CAH

02/18/05
 03/24/05
 xx/xx/xx



CONSTRUCT
 RUNWAY 9-27
 PROPOSED DITCH
 CROSS-SECTIONS
 STA. 371+50 TO STA. 372+00



DATE	REVISION	BY

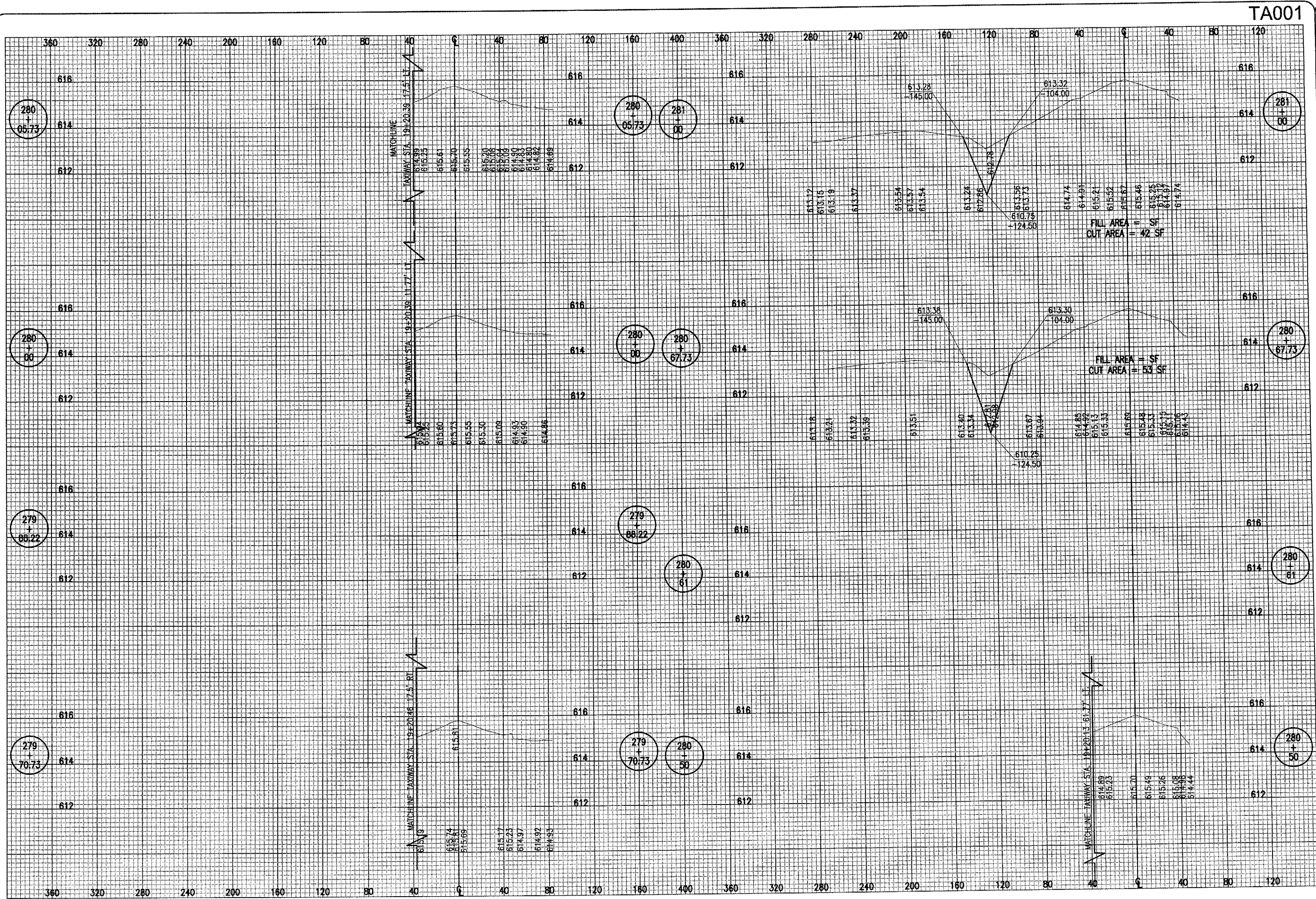
TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-B7

MD Project No. 828-03RWYGD_0800	RAW	02/18/05
Filename R-351XS-1836.DWG	MDR	03/18/05
Scale H. 1" = 40' V. 1" = 2'	CAH	03/28/05
Date 03/18/05		



CONSTRUCT
RUNWAY 9-27
PROPOSED CROSS-SECTIONS
RUNWAY 18-36 DITCH LINE
STA. 278+50 TO STA. 279+50

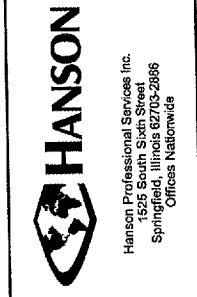


TA001

DATE	REVISION

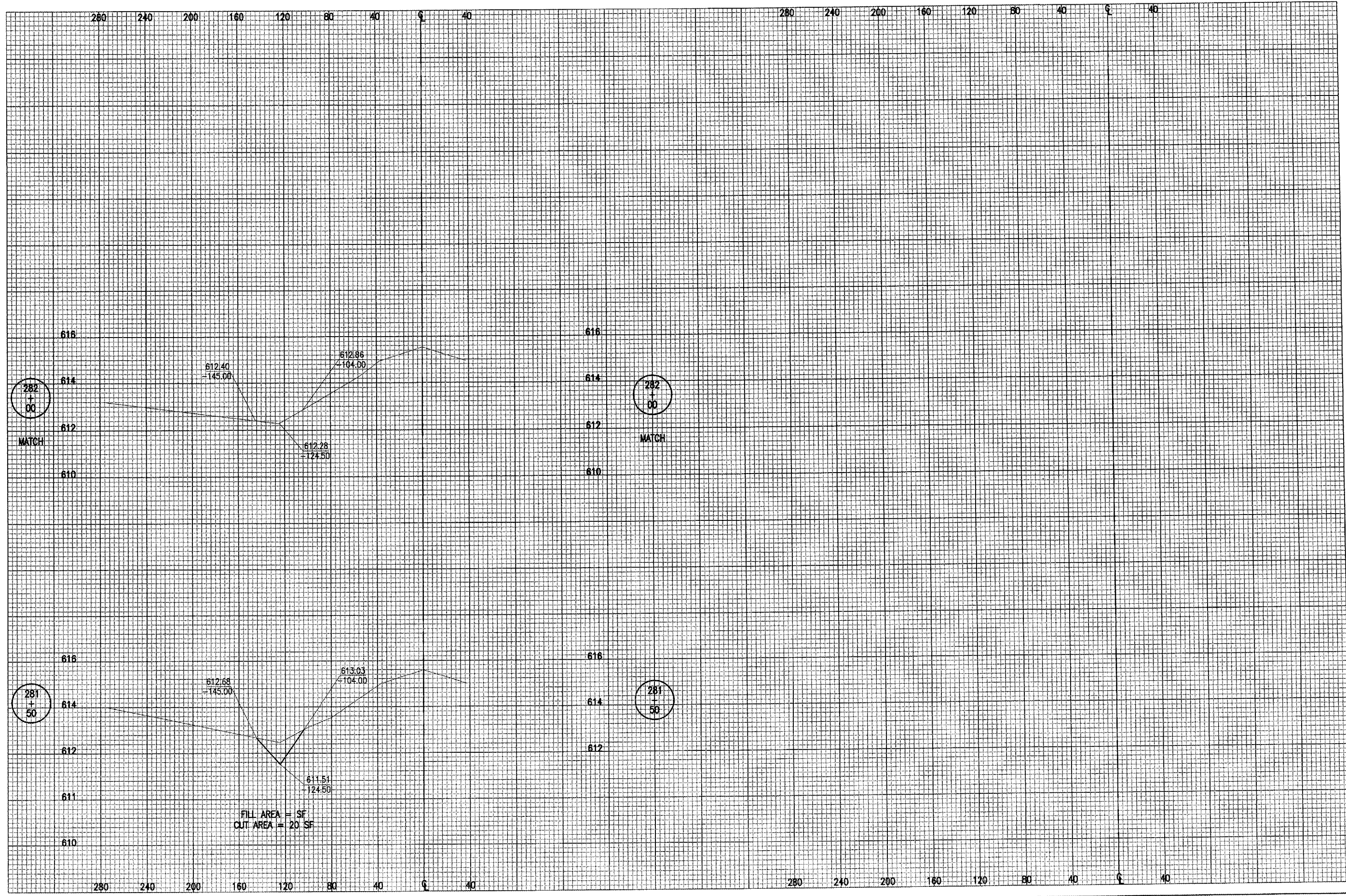
TAYLORVILLE MUNICIPAL AIRPORT
 TAYLORVILLE, ILLINOIS
 I.L. PROJ.: TAZ-3166 A.L.P. PROJ.: 3-17-0100-07

IB Proj. No. 828-03RWYGD 0800	RAW	02/18/05
Elevation R-352XS-1836.DWG	MDR	03/18/05
Scale H. 1" = 40' V. 1" = 2'	CAH	xx/xx/xx
Date 03/18/05		



CONSTRUCT
 RUNWAY 9-27
 PROPOSED CROSS-SECTIONS
 RUNWAY 18-36 DITCH LINE
 STA. 279+70.73 TO STA. 281+00

APR 07, 2005 10:55 PM RAW
I:\AIRPORTS\TAYLORVILLE\828-03RWYGD\AIRPORT\SHEETS\R-353XS-1836.DWG - STA. 281+50 TO STA. 282+00



FILL AREA = SF
OUT AREA = 20 SF

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS

IL PROJ.: TAZ-3166 A.I.P. PROJ.: 3-17-0100-87

H.E. Project No. 828-03RWYGD. 0800.	
Filename: R-353XS-1836.DWG	
Scale: H. 1" = 40' V. 1" = 2'	
Date: 02/17/05	
LAYOUT	RAW 02/17/05
DRAWN	BAK 02/17/05
REVIEWED	CAH xx/xx/xx



CONSTRUCT
RUNWAY 9-27

PROPOSED CROSS-SECTIONS
RUNWAY 18-36 DITCH LINE
STA. 281+50 TO STA. 283+00

EARTHWORK VOLUMES FOR RUNWAY 9-27 - BITUMINOUS

Table with 5 columns: STATION, CUT AREA S.F., FILL AREA S.F., CUT VOL. C.Y., FILL VOL. C.Y. Rows range from 97+00 to 122+00.

EARTHWORK VOLUMES FOR RUNWAY 9-27 - BITUMINOUS

Table with 5 columns: STATION, CUT AREA S.F., FILL AREA S.F., CUT VOL. C.Y., FILL VOL. C.Y. Rows range from 122+00 to 138+50.

EARTHWORK VOLUMES FOR TAXIWAY "D" - BITUMINOUS

Table with 5 columns: STATION, CUT AREA S.F., FILL AREA S.F., CUT VOL. C.Y., FILL VOL. C.Y. Rows range from 8+30 to 1920.50.

EARTHWORK VOLUMES FOR RUNWAY TURNAROUND - BITUMINOUS

Table with 5 columns: STATION, CUT AREA S.F., FILL AREA S.F., CUT VOL. C.Y., FILL VOL. C.Y. Rows range from 300+30 to 305+01.77.

MAY 05, 2005 10:18 PM RAW I:\AIRPORT\TAYLORVILLE\828-03RWYGD\AIRPORT\SHEETS\R-521CON.DWG - EARTHWORK TABLE - BITUMINOUS

Table with 2 columns: DATE, REVISION. Multiple empty rows.

TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, ILLINOIS I.P. PROJ.: 3-17-0100-87 I.L. PROJ.: TAZ-3166

Table with columns: LAYOUT, DRAWN, REVIEWED, RAW, CAH, 03/27/05, 03/27/05, 03/28/05.



CONSTRUCT RUNWAY 9-27 PROJECT EARTHWORK VOLUME TABLE BITUMINOUS ALTERNATE

152-UNCLASSIFIED EXCAVATION NOTES:

UNCLASSIFIED EXCAVATION SHALL BE ACCOMPLISHED BY MEANS OF SELECT GRADING OF THE EARTHEN MATERIAL. USABLE TOPSOIL SHALL BE PLACED ON ALL SHOULDERS AND PROPOSED TURF AREAS AND THE MATERIALS ENCOUNTERED IN THE LOWER HORIZONS WILL BE UTILIZED TO FORM THE FILLS NECESSARY TO ACHIEVE THE PROPOSED GRADES.

EXCAVATION SHALL BE PAID FOR ONLY ONCE. STOCKPILING OF TOPSOIL FOR LATER REUSE AND REDISTRIBUTION, IF NECESSARY, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. NO PAYMENT WILL BE ALLOWED FOR DOUBLE HANDLING OF ANY MATERIAL.

THE AVAILABLE TOPSOIL WILL BE DISTRIBUTED UNIFORMLY OVER THE PROPOSED TURF AREAS. THE EXCAVATION NECESSARY TO ACHIEVE THE UNIFORM DEPTH OF TOPSOIL IS TO BE CONSIDERED INCIDENTAL TO ITEM 152410 - UNCLASSIFIED EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE COMPACTION OF THE TOP 16" OF MATERIAL BENEATH PAVEMENT AREAS TO BE PROCESSED WILL BE COMPACTED TO A MINIMUM DENSITY OF 92% OF THE MAXIMUM DRY DENSITY.

EARTHWORK VOLUMES FOR RUNWAY 9-27 - PCC

STATION	CUT AREA S.F.	FILL AREA S.F.	CUT VOL. C.Y.	FILL VOL. C.Y.
97+00	0	0	0	89
97+50	0	96	0	37
97+60	0	104	0	180
98+00	0	139	0	250
98+50	0	131	0	274
99+00	0	165	0	351
99+50	0	214	4	353
100+00	4	167	6	330
100+50	3	189	19	325
101+00	17	162	28	288
101+50	13	149	35	247
102+00	25	118	35	175
102+36	28	144	15	74
102+50	31	141	65	251
103+00	39	130	74	243
103+50	41	132	79	244
104+00	44	132	97	217
104+50	61	102	122	180
105+00	71	92	96	157
105+40	58	120	22	46
105+50	60	128	108	301
106+00	57	197	99	443
106+50	50	281	76	603
107+00	32	370	94	674
107+50	69	358	144	693
108+00	86	390	142	726
108+50	67	394	106	770
109+00	47	438	81	782
109+50	40	407	53	776
110+00	17	431	23	710
110+50	8	444	8	832
111+00	1	455	1	829
111+50	0	440	5	747
112+00	5	367	31	563
112+50	29	241	60	379
113+00	36	168	78	285
113+50	48	140	79	218
114+00	37	95	89	131
114+50	59	46	88	97
115+00	36	59	75	131
115+50	45	82	97	153
116+00	60	83	93	191
116+50	40	123	70	249
117+00	36	146	86	250
117+50	57	124	96	256
118+00	47	152	97	288
118+50	58	159	120	281
119+00	72	144	150	260
119+50	90	137	180	250
120+00	104	133	205	231
120+50	117	116	219	237
121+00	120	140	236	269
121+50	135	150	250	287
122+00	135	160		
TOTAL			26,222	36,877

EARTHWORK VOLUMES FOR RUNWAY 9-27 - PCC

STATION	CUT AREA S.F.	FILL AREA S.F.	CUT VOL. C.Y.	FILL VOL. C.Y.
122+00	135	160	276	281
122+50	163	144	296	306
123+00	157	187	301	361
123+50	168	203	302	410
124+00	158	240	299	481
124+50	165	279	307	559
125+00	167	325	309	644
125+50	167	370	302	718
126+00	159	405	301	781
126+50	166	438	326	820
127+00	186	448	368	844
127+50	211	464	468	854
128+00	294	458	581	859
128+50	333	470	631	869
129+00	348	469	766	852
129+50	479	451	867	842
130+00	457	458	999	826
130+50	622	434	1277	765
131+00	757	392	1441	755
131+50	799	423	1744	722
132+00	1084	357	2124	666
132+50	1210	362	2468	640
133+00	1455	329	2544	631
133+50	1293	352	903	207
133+67	1574	304	1029	361
134+00	109	286	11	28
134+03	83	215	292	359
134+50	253	197	446	361
135+00	229	193	212	431
135+50	0	272	0	481
136+00	0	247	0	406
136+50	0	192	0	258
137+00	0	87	0	116
137+40	0	69	0	24
137+50	0	59	0	59
138+00	0	5	0	5
138+50	0	0	0	5
TOTAL			26,222	36,877

EARTHWORK VOLUMES FOR TAXIWAY "D" - PCC

STATION	CUT AREA S.F.	FILL AREA S.F.	CUT VOL. C.Y.	FILL VOL. C.Y.
8+30	0	309	0	219
8+50	0	283	139	292
8+92	179	93	66	27
9+00	267	86	385	99
9+36	311	62	159	31
9+50	304	57	543	99
10+00	282	50	495	86
10+50	253	43	439	74
11+00	221	37	389	70
11+50	199	39	389	70
12+00	221	37	381	62
12+50	190	30	317	52
13+00	152	26	110	22
13+21.13	130	30	130	30
13+50	114	26	134	31
13+81.99	113	26	71	16
14+00	100	23	142	34
14+50	53	14	111	22
15+00	67	10	22	3
15+08.71	68	11	106	15
15+50	70	9	55	6
15+69.58	81	7	109	6
16+00	113	3	37	1
16+08.50	124	2	222	2
16+50	165	1	348	1
17+00	211	0	419	0
17+50	242	0	444	2
18+00	238	2	246	17
18+33	165	25	109	15
18+58.08	70	8	99	6
19+00	58	0	68	0
1920.50	120	0		
TOTAL			6,686	1,411

EARTHWORK VOLUMES FOR RUNWAY TURNAROUND - PCC

STATION	CUT AREA S.F.	FILL AREA S.F.	CUT VOL. C.Y.	FILL VOL. C.Y.
300+30	0	150	0	95
300+50	0	107	76	178
300+92	98	0	32	178
301+00	119	0	323	178
301+50	230	0	508	178
302+00	319	0	570	178
302+50	297	0	153	178
302+63.88	299	0	28	178
302+65.88	455	0	28	178
302+67.88	297	0	344	178
303+00	281	0	448	178
303+50	203	0	217	178
303+81.77	166	0	102	178
304+00	135	0	52	178
304+11.27	116	0	99	179
304+39.77	71	1	55	265
304+81.77	0	110	0	352
305+01.77	0	125		
TOTAL			3,036	352


152--UNCLASSIFIED EXCAVATION NOTES:

UNCLASSIFIED EXCAVATION SHALL BE ACCOMPLISHED BY MEANS OF SELECT GRADING OF THE EARTHEN MATERIAL. USABLE TOPSOIL SHALL BE PLACED ON ALL SHOULDERS AND PROPOSED TURF AREAS AND THE MATERIALS ENCOUNTERED IN THE LOWER HORIZONS WILL BE UTILIZED TO FORM THE FILLS NECESSARY TO ACHIEVE THE PROPOSED GRADES.

EXCAVATION SHALL BE PAID FOR ONLY ONCE. STOCKPILING OF TOPSOIL FOR LATER REUSE AND REDISTRIBUTION, IF NECESSARY, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. NO PAYMENT WILL BE ALLOWED FOR DOUBLE HANDLING OF ANY MATERIAL.

THE AVAILABLE TOPSOIL WILL BE DISTRIBUTED UNIFORMLY OVER THE PROPOSED TURF AREAS. THE EXCAVATION NECESSARY TO ACHIEVE THE UNIFORM DEPTH OF TOPSOIL IS TO BE CONSIDERED INCIDENTAL TO ITEM 152410 - UNCLASSIFIED EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE COMPACTION OF THE TOP 16" OF MATERIAL BENEATH PAVEMENT AREAS TO BE PROCESSED WILL BE COMPACTED TO A MINIMUM DENSITY OF 92% OF THE MAXIMUM DRY DENSITY.

BY	
REVISION	
DATE	
<p>TAYLORVILLE MUNICIPAL AIRPORT TAYLORVILLE, ILLINOIS</p>	
<p>A.I.P. PROJ.: J-17-0100-B7 IL PROJ.: TAZ-3166</p>	
<p>HEL Project No. 828-03RWYGD_0800 Frames R-521CON.DWG Scale N/A Date 03/27/05</p>	<p>LAYOUT 03/27/05 RAW 03/27/05 DRAWN RAW REVIEWED CAH 03/28/05</p>
 <p>Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2886 Offices Nationwide</p>	
<p>CONSTRUCT RUNWAY 9-27 PROJECT EARTHWORK VOLUME TABLE PCC ALTERNATE</p>	
<p>126</p>	
<p>126 of 127 sheets</p>	

EARTHWORK VOLUMES FOR PRIMARY DITCH

STATION	CUT AREA S.F.	FILL AREA S.F.	CUT VOL. C.Y.	FILL VOL. C.Y.
353+04	0	0	1	0
353+10	9	0	102	0
353+50	129	0	230	0
354+00	119	0	217	0
354+50	115	0	225	0
355+00	128	0	261	0
355+50	154	0	283	0
356+00	152	0	304	0
356+50	176	0	312	0
357+00	161	0	292	0
357+50	154	0	298	0
358+00	168	0	50	0
358+00	170	0	270	0
358+50	177	0	340	0
359+00	189	0	359	0
359+50	198	0	369	0
360+00	200	0	370	0
360+50	200	0	417	0
361+00	251	0	488	0
361+50	276	0	531	0
362+00	298	0	550	0
362+50	296	0	659	0
363+00	416	0	863	0
363+50	516	0	926	0
364+00	484	0	898	0
364+50	486	0	897	0
365+00	483	0	916	0
365+50	506	0	952	0
366+00	511	0	956	0
366+50	511	0	935	0
367+00	500	0	915	0
367+50	488	0	895	0
368+00	478	0	832	0
368+50	420	0	739	0
369+00	378	0	674	0
369+50	349	0	612	0
370+00	311	0	551	0
370+50	284	0	500	0
371+00	256	0	692	0
371+50	491	0	1191	0
372+00	795	0		0
TOTAL			21,868	0

EARTHWORK VOLUMES FOR RUNWAY 18-36 DITCH

STATION	CUT AREA S.F.	FILL AREA S.F.	CUT VOL. C.Y.	FILL VOL. C.Y.
278+50	0	0	39	0
279+00	42	0	15	0
279+08.73	50	0	38	0
279+50	0	0	0	0
279+70.73	0	0	0	0
279+88.22	0	0	0	0
280+00	0	0	0	0
280+05.73	0	0	0	0
280+50	0	0	17	0
280+67.73	53	0	57	0
281+00	42	0	57	0
281+50	20	0	19	0
282+00	0	0		
TOTAL			242	0

EARTHWORK VOLUMES FOR POND/SITE GRADING

STATION	CUT AREA S.F.	FILL AREA S.F.	CUT VOL. C.Y.	FILL VOL. C.Y.
TOTAL	-	--	13,457	16,631

REFER TO DEPTHS OF CUT AND FILL SHOWN ON THE STAKING PLAN FOR VOLUME CALCULATION.

EARTHWORK VOLUMES FOR DITCH OUTFALL GRADING

STATION	CUT AREA S.F.	FILL AREA S.F.	CUT VOL. C.Y.	FILL VOL. C.Y.
99+47.55	-	-	1430	0
101+00	-	-	60	0
108+00	-	-	25	0
TOTAL			1515	0

EARTHWORK QUANTITY NOTES

THE SHRINKAGE LOSS FACTOR FOR THE EARTHWORK VOLUME PERTAINING TO THE CONSTRUCTION OF THE BITUMINOUS ALTERNATE WAS CALCULATED AT APPROXIMATELY 34%.

THE SHRINKAGE LOSS FACTOR FOR THE EARTHWORK VOLUME PERTAINING TO THE CONSTRUCTION OF THE PCC ALTERNATE WAS CALCULATED AT APPROXIMATELY 32%.

IF SURPLUS MATERIAL REMAINS FOLLOWING THE FINAL GRADING IT WILL BE DISPERSED UNIFORMLY ON THE PROJECT SITE AND WITHIN THE PROJECT GRADING LIMITS IN A WAY THAT WILL NOT NEGATIVELY AFFECT THE SITE DRAINAGE. IF ADDITIONAL EARTH MATERIAL IS NECESSARY TO OBTAIN THE GRADES PROPOSED IT WILL BE OBTAINED BY ADDITIONAL SIDE SLOPE GRADING OF THE PRIMARY DITCH. THE ADDITIONAL GRADING WILL BE PERFORMED IN SUCH A WAY TO PROVIDE SMOOTH CONTOURS ALONG THE PROPOSED DITCH.

152--UNCLASSIFIED EXCAVATION NOTES:

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THE COMPACTION OF THE TOP 16" OF MATERIAL BENEATH PAVEMENT AREAS TO BE PROCESSED WILL BE COMPACTED TO A MINIMUM DENSITY OF 92% OF THE MAXIMUM DRY DENSITY.

DATE	REVISION	BY

TAYLORVILLE MUNICIPAL AIRPORT
TAYLORVILLE, ILLINOIS
A.I.P. PROJ.: 3-17-0100-B7
IL PROJ.: TAZ-3166

FILE	DATE	BY	REVISED
HEL Project No. 828-03RWYGD_0800	03/27/05	RAW	03/27/05
Filename: R-521CON.DWG	03/27/05	RAW	03/27/05
Scale: N/A	03/27/05	CAH	03/28/05
Date: 03/27/05			



CONSTRUCT
RUNWAY 9-27
PROJECT EARTHWORK
VOLUME TABLES
SITE