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JA036
TOTAL SHEETS = 13

CONSTRUCTION PLANS FOR JACKSONVILLE MUNICIPAL AIRPORT

JACKSONVILLE, MORGAN COUNTY, ILLINOIS

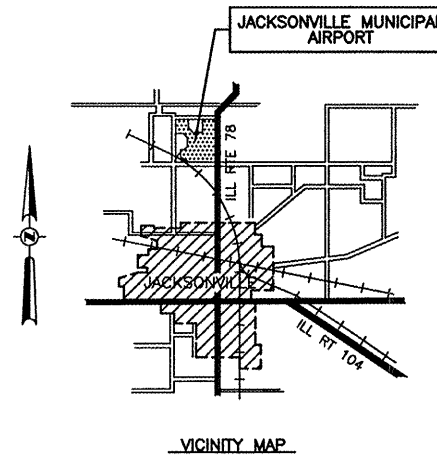
REHABILITATE TAXIWAYS C AND C3

ILLINOIS PROJECT NO. IJX-3903
AIP PROJECT NO. 3-17-0054-B15

MAY 8, 2009

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	AS BID QUANTITY	AS BUILT QUANTITY
AR150530	TRAFFIC MAINTENANCE	L. SUM	1	
AR152455	EMBANKMENT IN PLACE	CU. YD.	152	
AR201660	BITUMINOUS CRACK REPAIR	LIN. FT.	8,945	
AR201666	BASE COURSE CRACK REPAIR	SQ. YD.	178	
AR401110	PAVEMENT PREPARATION	L. SUM	1	
AR401610	BITUMINOUS SURFACE COURSE	TON	1,635	
AR401655	BUTT JOINT CONSTRUCTION	SQ. YD.	2,159	
AR603510	BITUMINOUS TACK COAT	GAL.	656	
AR620520	PAVEMENT MARKING-WATERBORNE	SQ. FT.	2,210	
AR620525	PAVEMENT MARKING - BLACK BORDER	SQ. FT.	446	
AR901510	SEEDING	ACRE	0.8	
AR908510	MULCHING	ACRE	0.8	

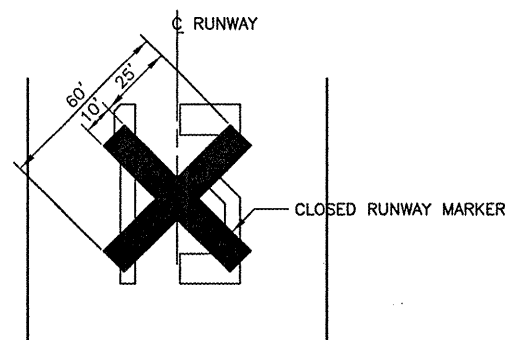
INDEX OF SHEETS	
NO.	DESCRIPTION
1	COVER SHEET
2	IMPROVEMENT AND SAFETY PLAN
3	TYPICAL SECTIONS AND SPECIAL DETAILS
4	TAXIWAY C PLAN AND PROFILE
5	TAXIWAY C3 PLAN AND PROFILE
6	INTERSECTION ELEVATIONS
7	TAXIWAYS C AND C3 MARKING LAYOUT
8-11	TAXIWAY C CROSS SECTIONS
12-13	TAXIWAY C3 CROSS SECTIONS



	PLANS PREPARED BY :	JACKSONVILLE AIRPORT AUTHORITY APPROVED <i>Robert J. ...</i> Vice CHAIRMAN DATE <i>April 14, 2009</i> APPROVED <i>Eddie ...</i> SECRETARY DATE <i>April 14, 2009</i>
	HUTCHISON ENGINEERING, INC. JACKSONVILLE, ILLINOIS	
SUBMITTED <i>Gary L. Hutchison</i> DATE <i>April 14, 2009</i>		

CONSTRUCTION PROCEDURE NOTES

1. ALL CONTRACTOR EMPLOYEES WILL PARK THEIR PERSONAL VEHICLES IN THE AREA DESIGNATED BY THE AIRPORT MANAGER FOR USE AS A VEHICLE PARKING AREA. THE CONTRACTOR WILL BE RESPONSIBLE FOR TRANSPORTING EMPLOYEES TO THE PROPOSED CONSTRUCTION SITE. ONLY AUTHORIZED CONTRACTOR VEHICLES WILL BE ALLOWED ON THE AIR OPERATIONS AREA OF THE AIRPORT AND ON THE CONSTRUCTION SITE.
2. FLAGS WILL BE REQUIRED ON ALL CONTRACTOR'S VEHICLES AND EQUIPMENT USED ON THE AIRPORT OPERATIONS AREA AND CONSTRUCTION SITE. THE FLAGS SHALL BE THREE (3) FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE) DISPLAYED IN FULL VIEW ABOVE THE VEHICLE.
3. THE CONTRACTOR SHALL REMOVE A SECTION OF FENCE TO GAIN ACCESS TO THE AIRPORT PROPERTY FOR THE HAUL ROAD THAT HE IS TO PROVIDE FOR HAULING MATERIAL TO THE WORK SITE. HE SHALL INSTALL A TEMPORARY GATE IN THE OPENING AND CLOSE SAID GATE AT THE END OF EACH WORKING DAY TO MAINTAIN AIRPORT SECURITY. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL RESTORE THE FENCE TO ITS ORIGINAL STATE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
4. THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND EQUIPMENT STORAGE AREA SHOWN ON THIS SHEET. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE DESIGNATED HAUL ROUTE AND EQUIPMENT STORAGE AREA FOR THE DURATION OF THE PROJECT. ANY DAMAGE TO EXISTING PAVEMENTS USED TO HAUL MATERIAL TO THE CONSTRUCTION SITE WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE AIRPORT MANAGER AND THE RESIDENT ENGINEER.
5. THE CONTRACTOR SHALL FURNISH, MAINTAIN, AND REMOVE ALL BARRICADES REQUIRED TO DELINEATE THE WORK AREA AND KEEP AIRCRAFT FROM ENCROACHING INTO SAID WORK AREA. THIS REQUIREMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. AT SUCH TIME AS WORK IS BEING PERFORMED WITHIN THE AREA 200' FROM THE RUNWAY 13-31 CENTERLINE ON THE CONNECTING TAXIWAYS, RUNWAY 13-31 SHALL BE CLOSED.
7. CONSTRUCTION ACTIVITY CONTROL AND OPERATION AREA PROTECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR NO. 150/5370-2E.
8. BARRICADE TAXIWAY C3 AT THE APRON TO CLOSE TAXIWAYS C AND C3 TO TRAFFIC AND PERFORM THE WORK. BARRICADES SHALL ALSO BE PLACED ON CLOSED TAXIWAYS C AND C3 AT EXISTING RUNWAY 13-31 TO PREVENT AIRCRAFT FROM EXITING RUNWAY 13-31 AT THESE TAXIWAYS. AIRCRAFT SHALL USE TAXIWAYS A, C, C1 AND C2 FOR ACCESS TO RUNWAY 13-31.
9. THE MAXIMUM CONSTRUCTION EQUIPMENT HEIGHT UTILIZED ON THE AIRPORT FOR THIS PROJECT SHALL BE 25'.
10. THIS PROJECT CONSISTS OF WORK TO REHABILITATE TAXIWAYS C AND C3.
11. THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF TURFED LAND.



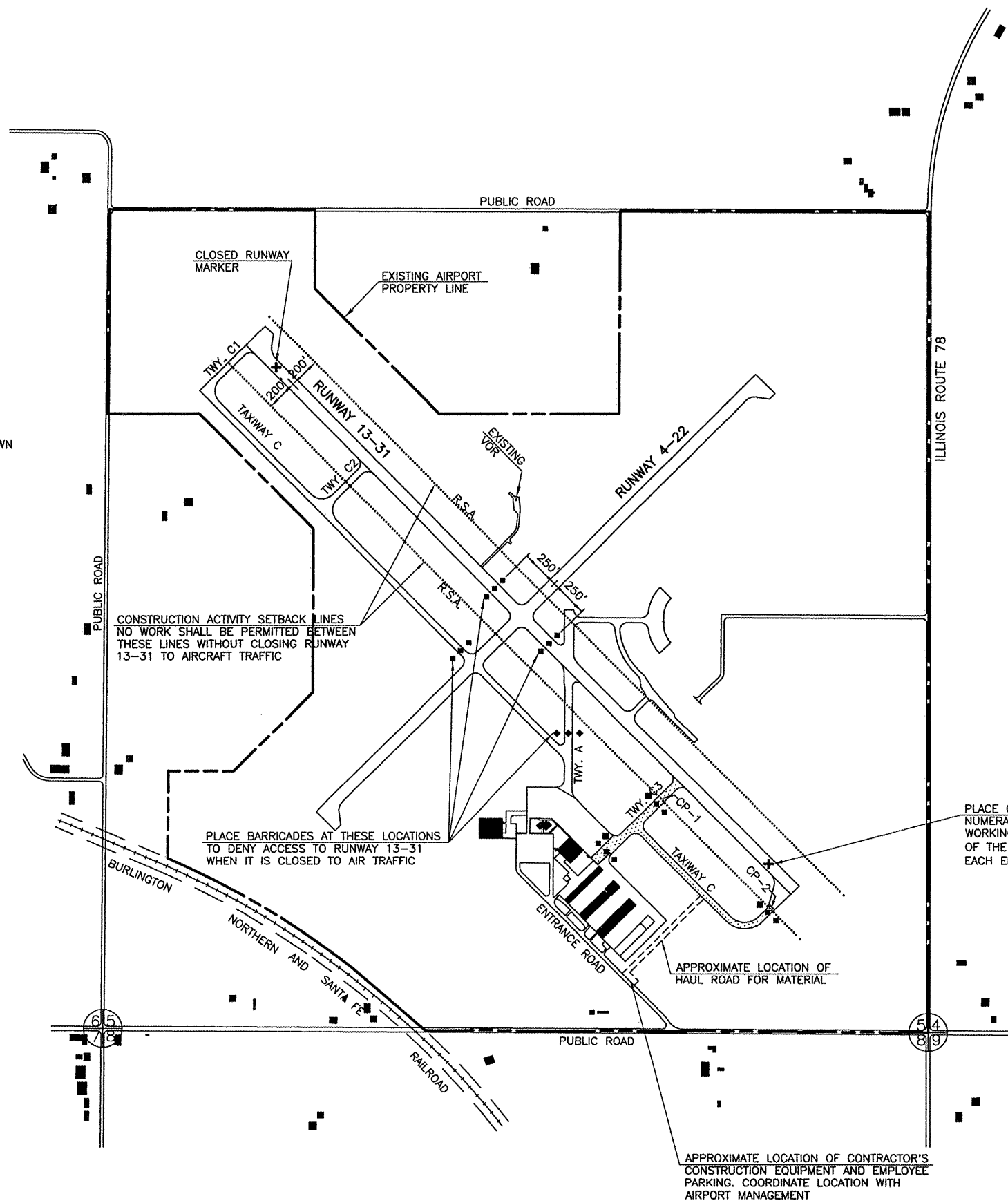
CLOSED RUNWAY MARKER DETAIL

1. CLOSED RUNWAY MARKER SHALL BE YELLOW IN COLOR.
2. CLOSED RUNWAY MARKER SHALL BE PAINTED PLYWOOD, PLASTIC SHEETING WEIGHTED DOWN WITH SANDBAGS, OR OTHER APPROVED MATERIALS ACCEPTABLE TO THE ENGINEER.
3. CONTRACTOR SHALL MAINTAIN MARKERS AS DIRECTED BY THE RESIDENT ENGINEER.
4. THE COST OF FURNISHING, PLACING, MAINTAINING, AND REMOVING CLOSED RUNWAY MARKERS SHALL BE PAID FOR UNDER ITEM AR150530 TRAFFIC MAINTENANCE.

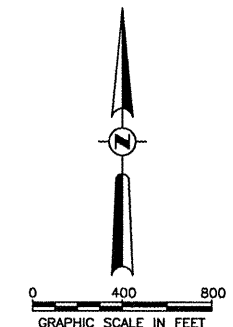
LEGEND

- EXISTING BUILDING
- AIRPORT PROPERTY LINE
- REHABILITATE TAXIWAYS C AND C3
- LOCATION OF LIGHTED BARRICADES
- CP-1 CRITICAL POINT NO. 1

CRITICAL POINTS			
ALL POINTS ARE 200' FROM Q RUNWAY 13-31			
NO.	LATITUDE	LONGITUDE	ELEVATION
CP-1	39°46'16.35"	90°14'06.91"	622.1
CP-2	39°46'09.30"	90°13'57.83"	618.8



PLACE CLOSED RUNWAY MARKER OVER RUNWAY NUMERALS TO CLOSE RUNWAY 13-31 WHEN WORKING ON TAXIWAYS C AND C3 WITHIN 200' OF THE RUNWAY 13-31 CENTERLINE (TYPICAL EACH END OF RUNWAY)

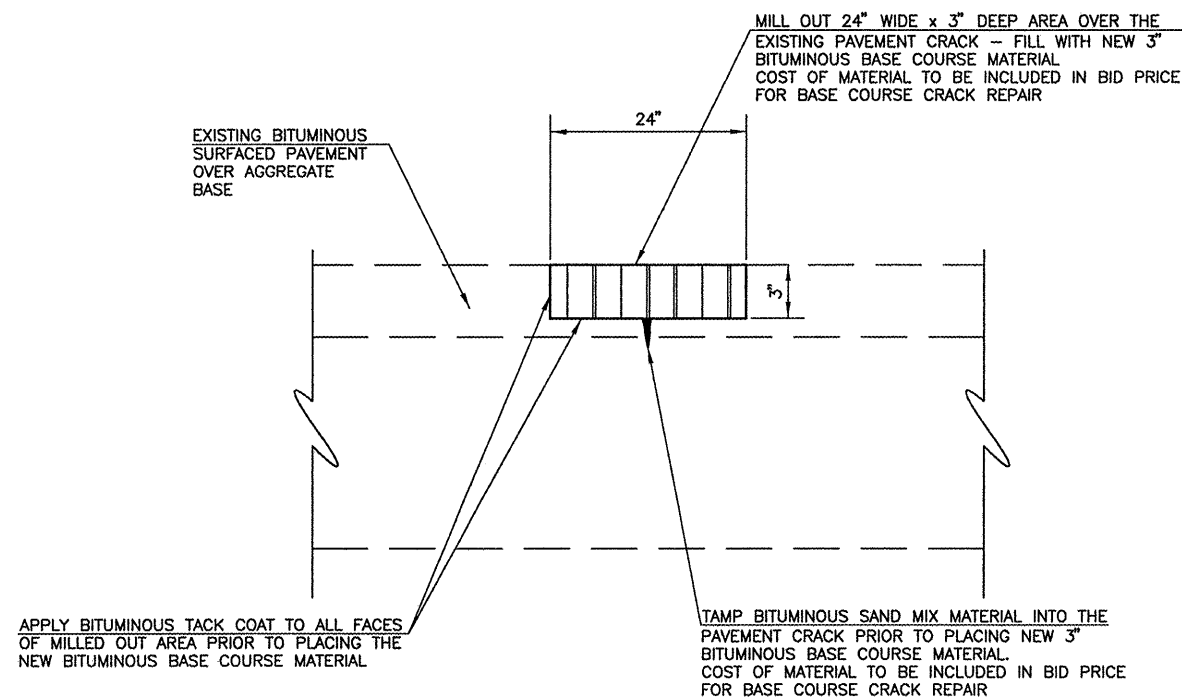


JACKSONVILLE MUNICIPAL AIRPORT
JACKSONVILLE, ILLINOIS

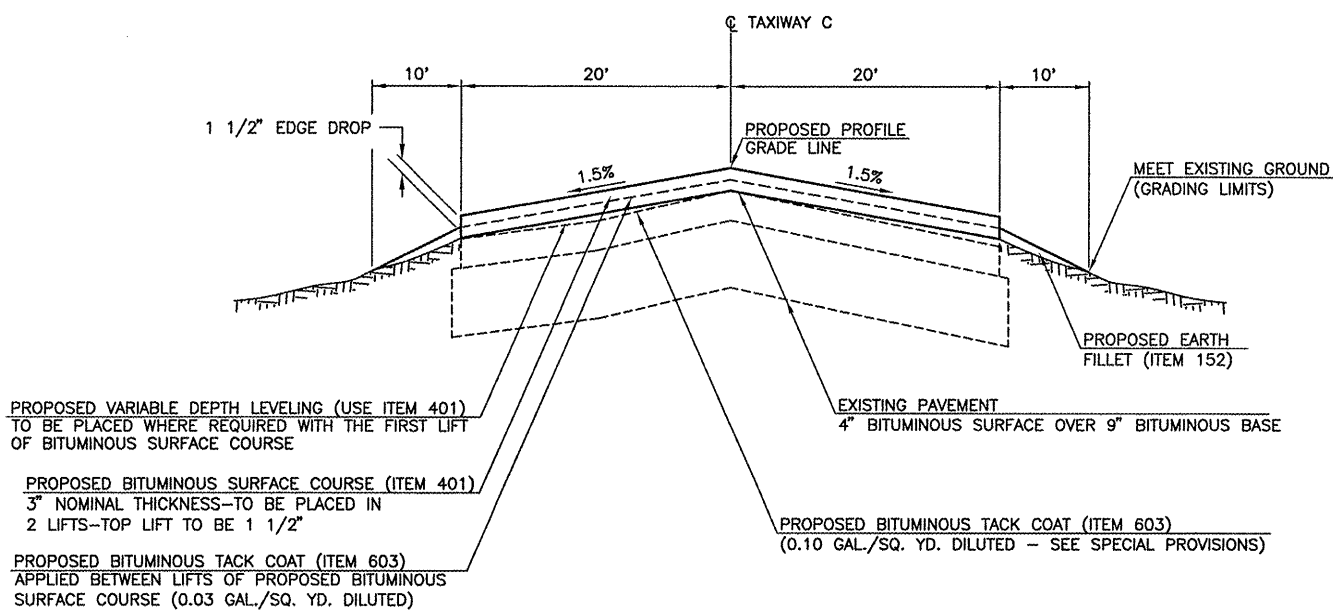
IMPROVEMENT AND SAFETY PLAN

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS

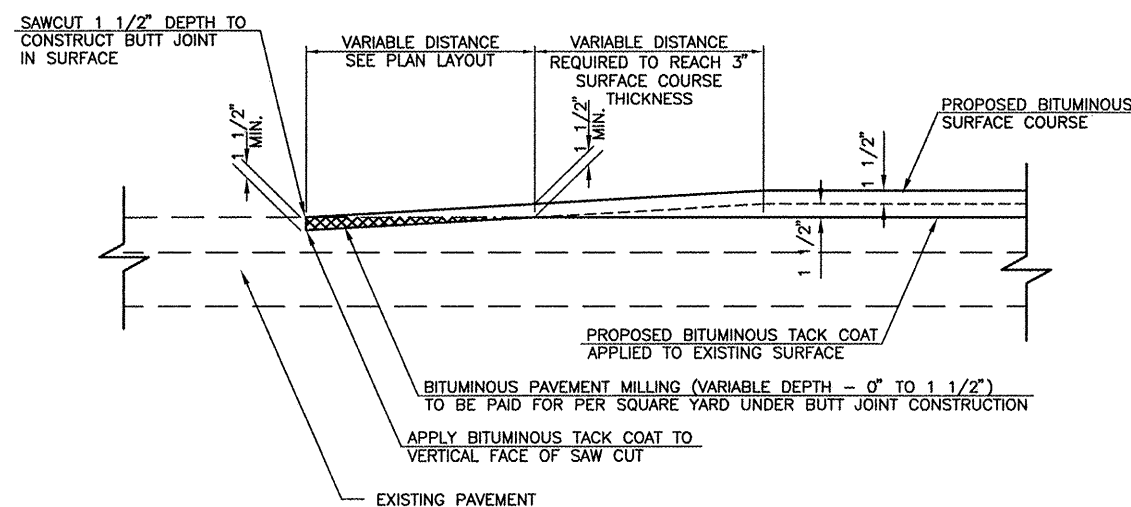
DRAWN BY: R.L.R. ILL. PROJ. NO. IJX-3903
DATE: APRIL, 2009 AIP PROJ. NO. 3-17-0054-B15



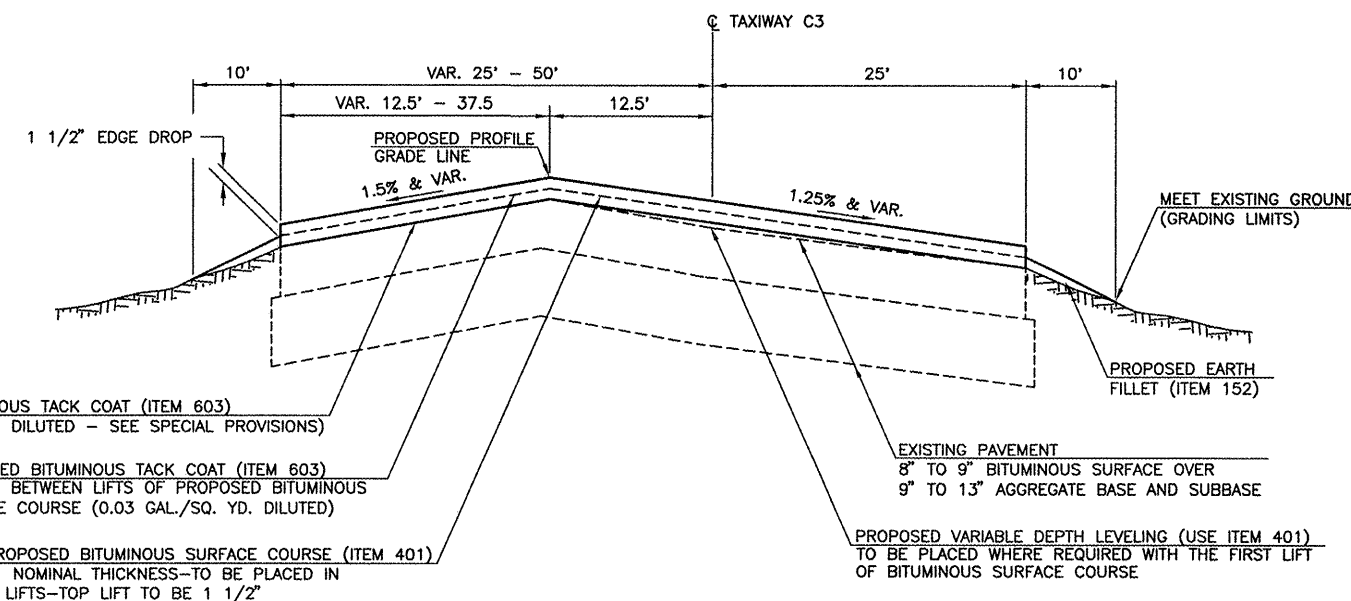
BASE COURSE CRACK REPAIR DETAIL
NOT TO SCALE



TAXIWAY C TYPICAL SECTION
NOT TO SCALE



BITUMINOUS BUTT JOINT CONSTRUCTION DETAIL
NOT TO SCALE



TAXIWAY C3 TYPICAL SECTION
NOT TO SCALE

GENERAL NOTES

1. OPEN PAVING JOINTS AND/OR CRACKS IN THE EXISTING SURFACE OF THE PAVEMENT SHALL BE DESIGNATED BY THE PROJECT ENGINEER IN THE FIELD TO BE REPAIRED PRIOR TO PLACING THE BITUMINOUS SURFACE COURSE. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR BITUMINOUS CRACK REPAIR.
2. THE QUANTITIES FOR CRACK REPAIR HAVE BEEN ESTIMATED BY MEASURING CRACK REPAIR IN SELECTED REPRESENTATIVE LOCATIONS ON THE PAVEMENT. THESE QUANTITIES MAY BE INCREASED OR REDUCED AT THE TIME OF CONSTRUCTION BASED UPON THE CRACK WORK THAT IS MARKED OUT BY THE RESIDENT ENGINEER AFTER FIELD INSPECTION OF THE PAVEMENT CRACKS.
3. THE BITUMINOUS SURFACE COURSE SHALL BE ABUTTED TO THE EXISTING PAVEMENT AT INTERSECTING PAVEMENTS AS SHOWN ON THE BITUMINOUS BUTT JOINT DETAIL. THE EXISTING PAVEMENT CONFINED WITHIN THE BITUMINOUS PAVEMENT MILLING AREA WILL BE REMOVED IN ACCORDANCE WITH THE DETAIL FROM 0 TO 1.5" DEPTH AT THE BUTT JOINT LOCATION. FILLING OF THE MILLED AREA WILL BE MADE USING BITUMINOUS SURFACE COURSE MIX AND WILL BE PAID FOR PER TON FOR BITUMINOUS SURFACE COURSE.

SEEDING NOTES

ALL AREAS DISTURBED BY THIS CONSTRUCTION PROJECT WITHIN THE GRADING LIMITS SHOWN IN THESE CONSTRUCTION PLANS SHALL BE LIMED, FERTILIZED, SEEDED AND MULCHED. THESE AREAS SHALL CONSTITUTE THE SEEDING AND MULCHING AREAS DESIGNATED FOR PAYMENT.

ALL OTHER AREAS DISTURBED BY THE CONTRACTOR INCLUDING THE CONTRACTOR'S PARKING AREA, HAUL ROUTES, ETC. SHALL BE REGRADED AND RESEEDED AND/OR RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR AT HIS OWN EXPENSE UPON COMPLETION OF THE IMPROVEMENTS.

A QUANTITY OF 0.8 AC. CONSTITUTES THE AREA FOR PAYMENT.

EARTHWORK SUMMARY

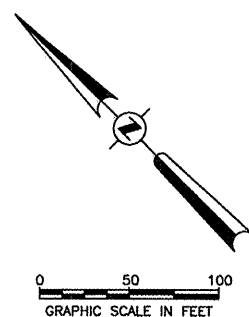
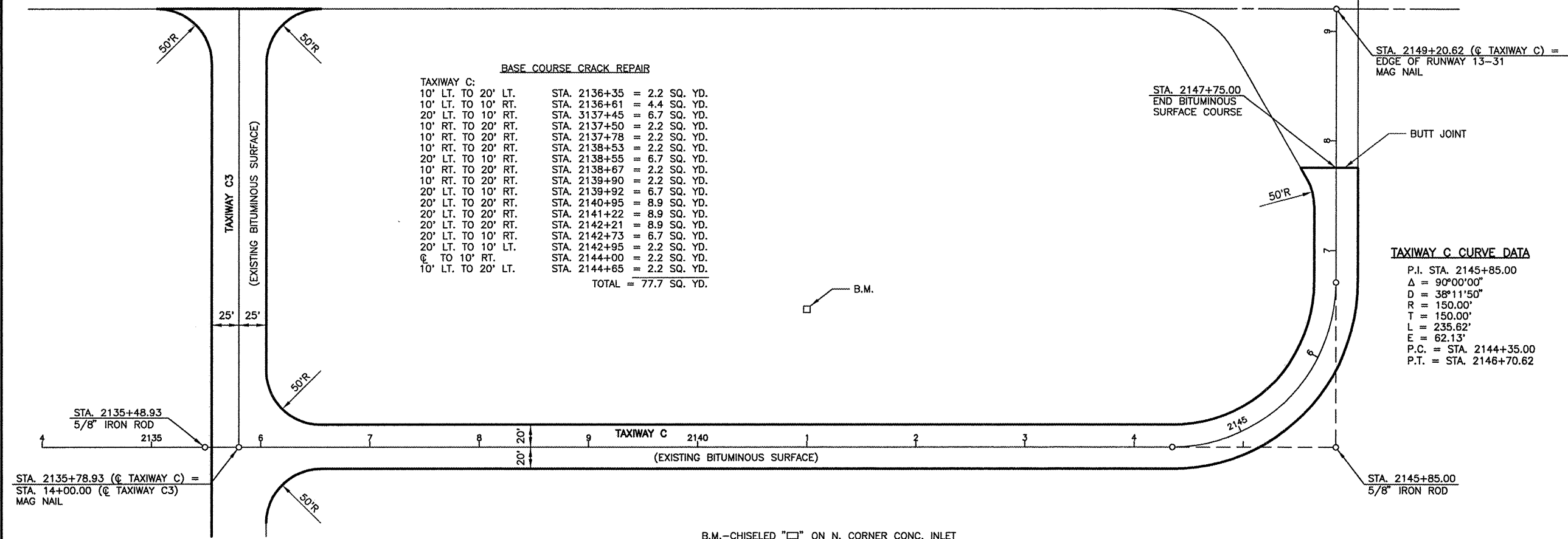
LOCATION	EMBANKMENT IN PLACE
TAXIWAY C	102 CU. YD.
TAXIWAY C3	50 CU. YD.
TOTAL	152 CU. YD.

JACKSONVILLE MUNICIPAL AIRPORT
JACKSONVILLE, ILLINOIS

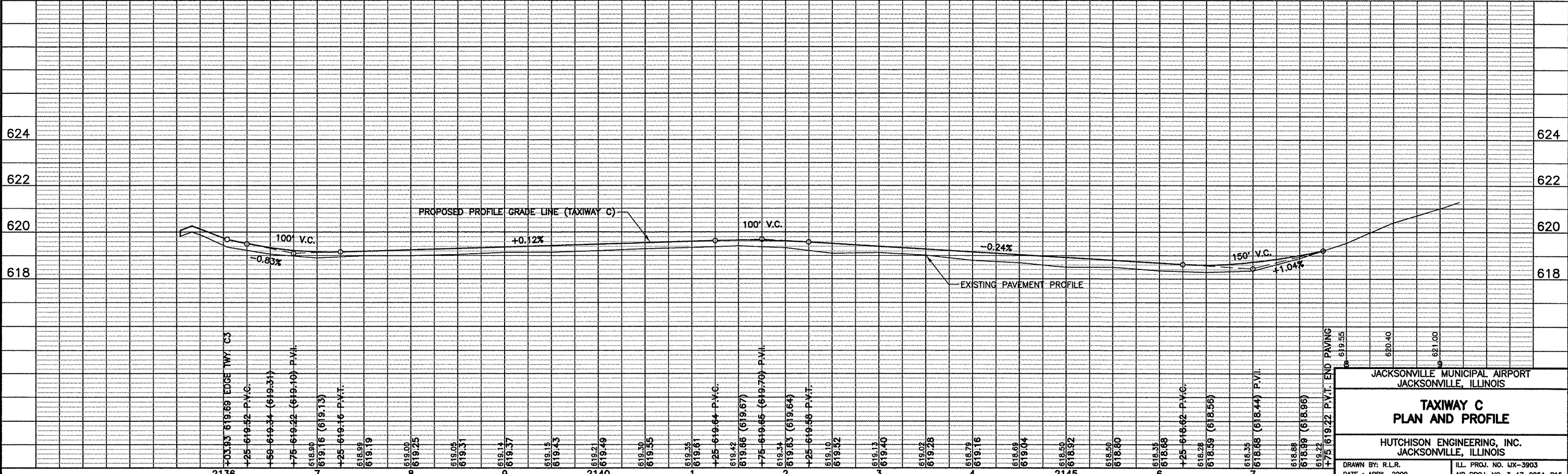
TYPICAL SECTIONS AND SPECIAL DETAILS

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS

DRAWN BY: R.L.R. ILL. PROJ. NO. 1JX-3903
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B.M.—CHISELED "□" ON N. CORNER CONC. INLET
 125' LT. STA. 2141+00 - TWY C
 ELEV. 616.68



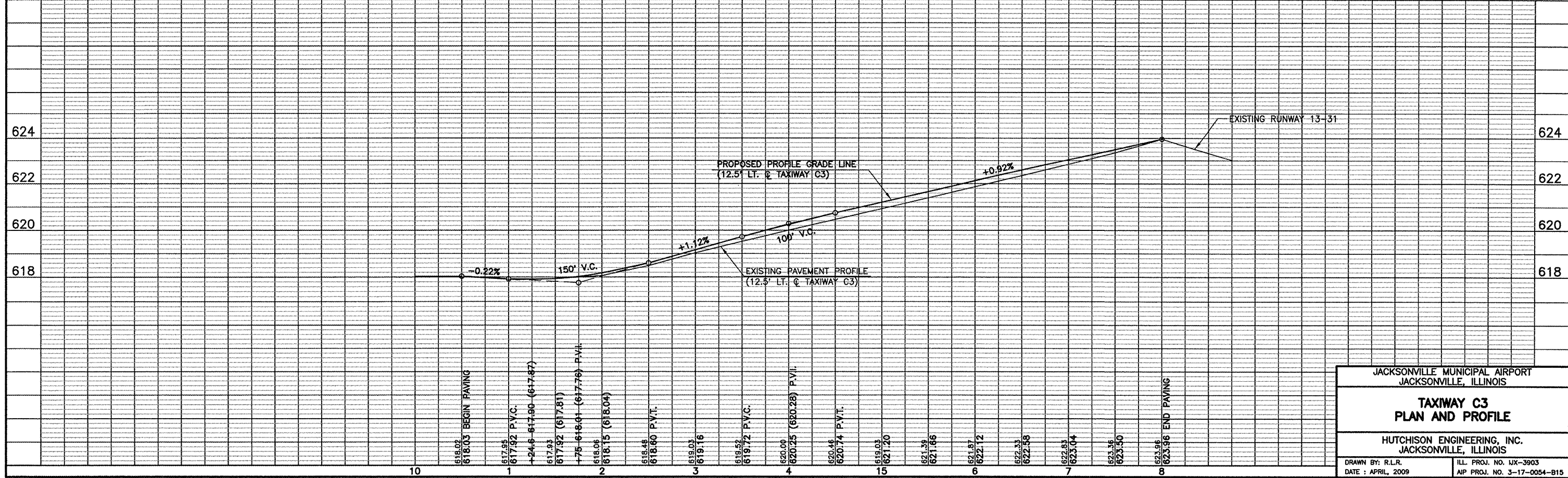
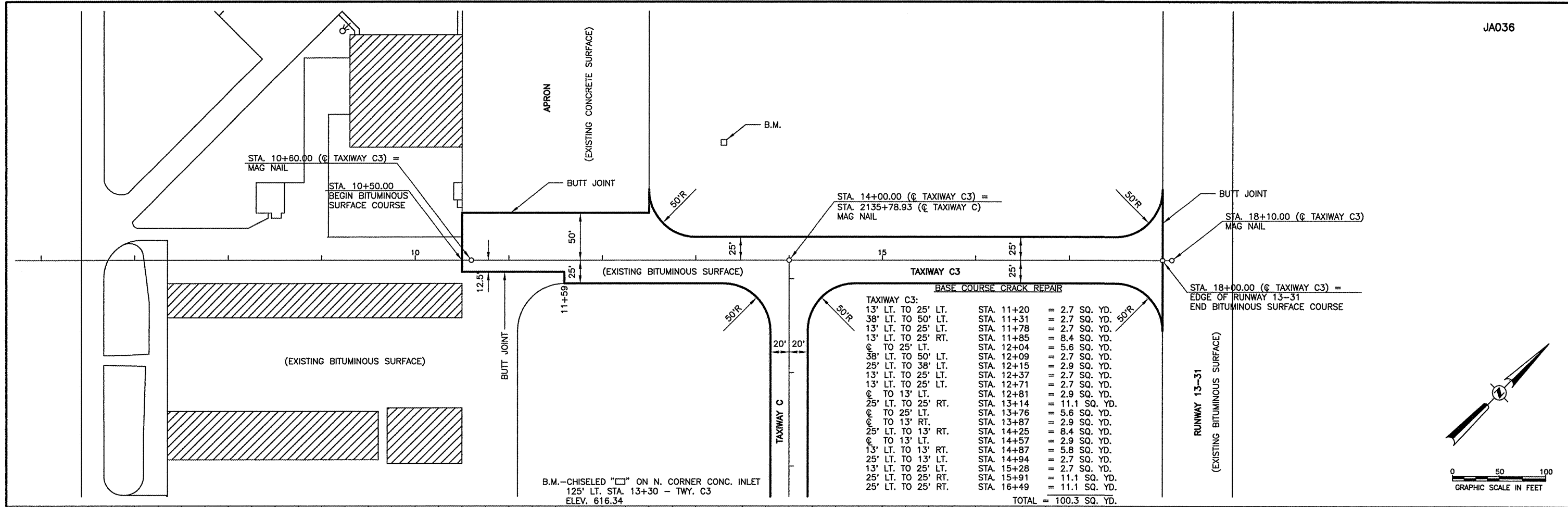
JACKSONVILLE MUNICIPAL AIRPORT
 JACKSONVILLE, ILLINOIS

**TAXIWAY C
 PLAN AND PROFILE**

HUTCHISON ENGINEERING, INC.
 JACKSONVILLE, ILLINOIS

DRAWN BY: R.L.R.
 DATE: APRIL, 2009

ILL. PROJ. NO. IJX-3903
 AIP PROJ. NO. 3-17-0054-815

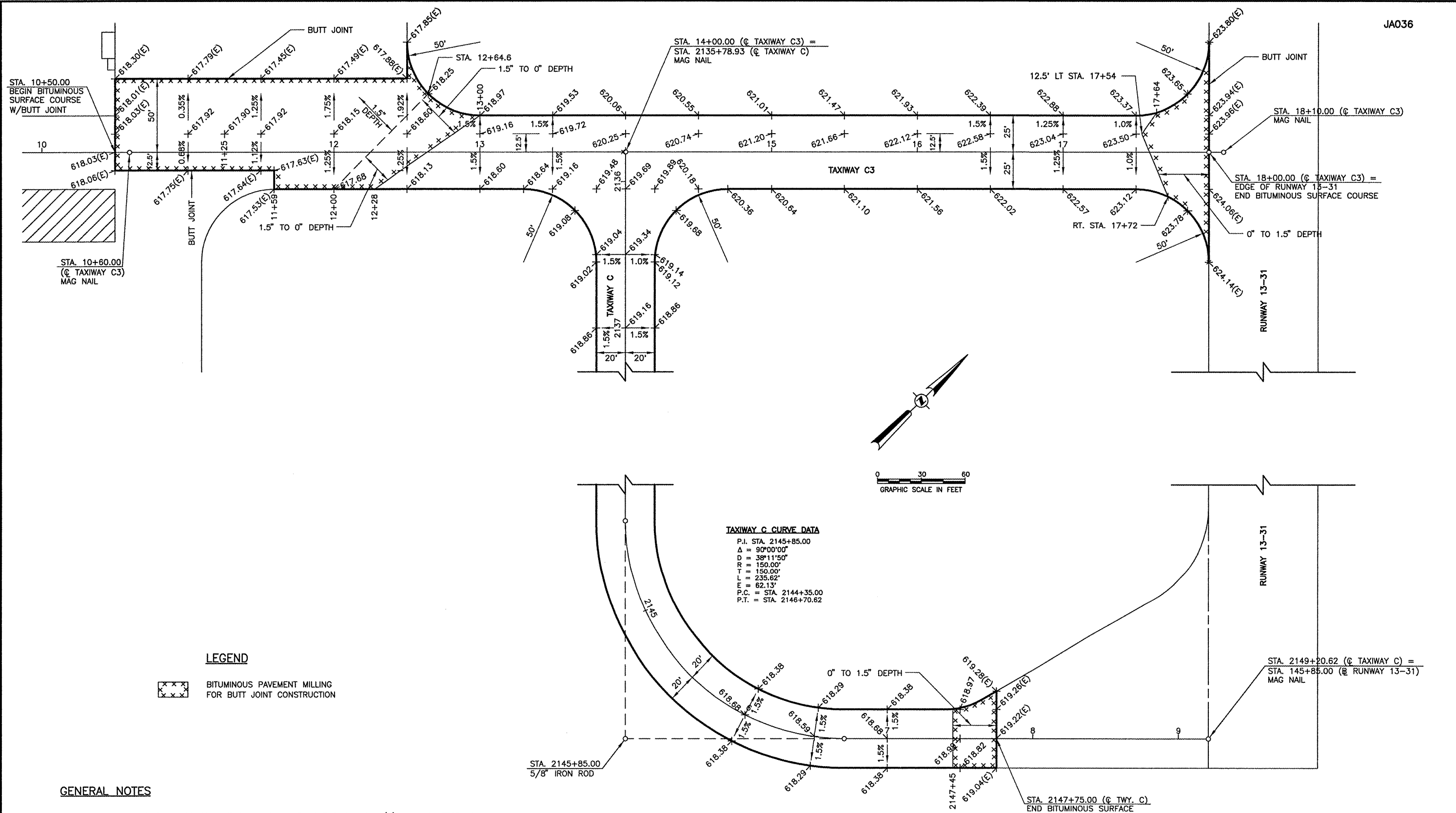


JACKSONVILLE MUNICIPAL AIRPORT
JACKSONVILLE, ILLINOIS

**TAXIWAY C3
PLAN AND PROFILE**

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS

DRAWN BY: R.L.R. ILL. PROJ. NO. UX-3903
DATE: APRIL, 2009 AIP PROJ. NO. 3-17-0054-B15



TAXIWAY C CURVE DATA

P.I. STA.	2145+85.00
Δ	90°00'00"
D	38°11'50"
R	150.00'
T	150.00'
L	235.62'
E	62.13'
P.C.	STA. 2144+35.00
P.T.	STA. 2146+70.62

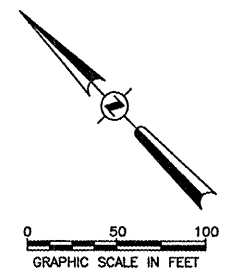
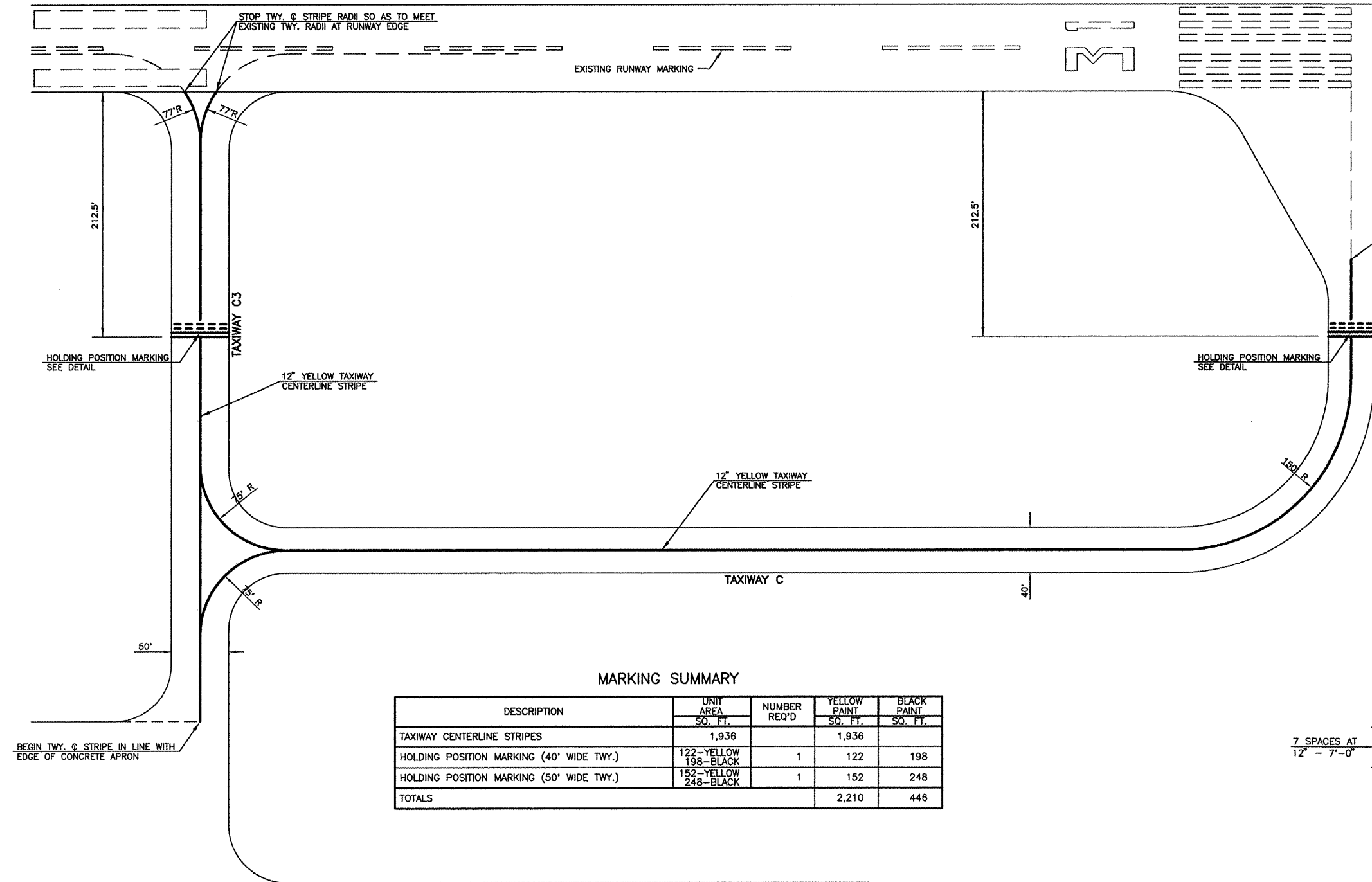
LEGEND

BITUMINOUS PAVEMENT MILLING FOR BUTT JOINT CONSTRUCTION

GENERAL NOTES

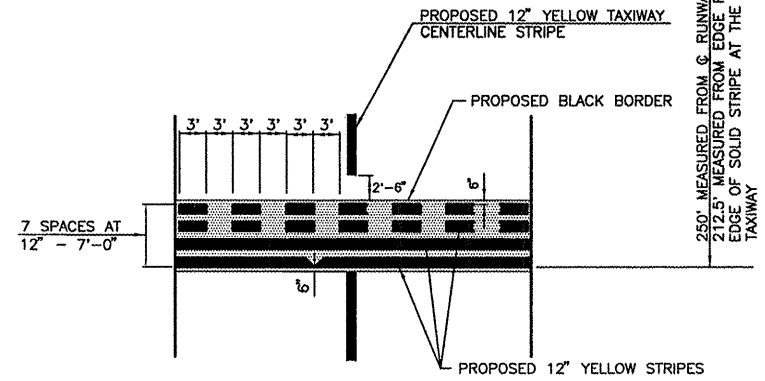
- ELEVATIONS SHOWN ARE TOP OF FINISHED SURFACE ELEVATIONS. (E) SHOWN AFTER AN ELEVATION DENOTES AN EXISTING ELEVATION.
- WHERE PROPOSED BITUMINOUS SURFACE ABUTS EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE CUT TO PRODUCE A STRAIGHT VERTICAL FACE TO ABUT THE PROPOSED SURFACE TO. PRIOR TO SURFACING, THE VERTICAL FACES OF ALL ABUTTING EXISTING PAVEMENT SHALL BE PAINTED WITH LIQUID ASPHALT. COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

JACKSONVILLE MUNICIPAL AIRPORT JACKSONVILLE, ILLINOIS	
INTERSECTION ELEVATIONS	
HUTCHISON ENGINEERING, INC. JACKSONVILLE, ILLINOIS	
DRAWN BY: R.L.R. DATE: APRIL, 2009	ILL. PROJ. NO. 1JK-3903 AIP PROJ. NO. 3-17-0054-B15

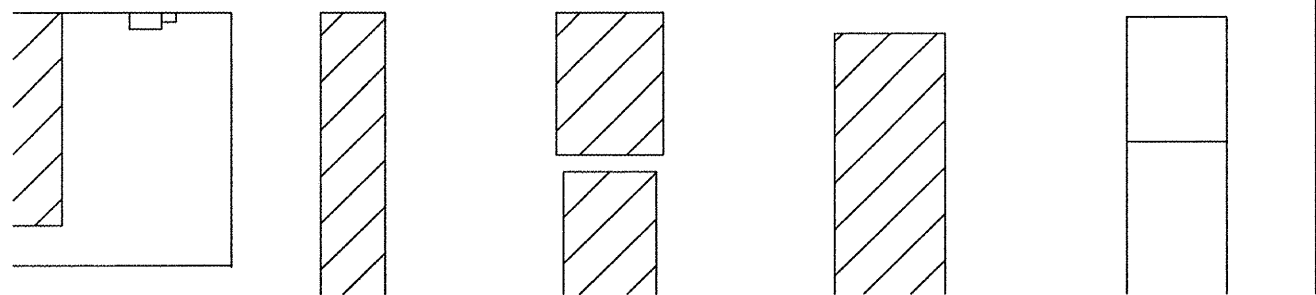


MARKING SUMMARY

DESCRIPTION	UNIT AREA	NUMBER REQ'D	YELLOW PAINT	BLACK PAINT
	SQ. FT.		SQ. FT.	SQ. FT.
TAXIWAY CENTERLINE STRIPES	1,936		1,936	
HOLDING POSITION MARKING (40' WIDE TWY.)	122-YELLOW 198-BLACK	1	122	198
HOLDING POSITION MARKING (50' WIDE TWY.)	152-YELLOW 248-BLACK	1	152	248
TOTALS			2,210	446



HOLDING POSITION MARKING DETAIL
NOT TO SCALE



NOTES

1. ALL TAXIWAY MARKING SHALL BE SOLID MARKING AND YELLOW IN COLOR. HOLDING POSITION MARKING SHALL BE OUTLINED IN BLACK. SEE THE HOLDING POSITION MARKING DETAIL.
2. ALL PAVEMENT MARKING SHALL CONSIST OF TWO APPLICATIONS OF PAINT AND ONE APPLICATION OF GLASS BEADS (REFLECTIVE MEDIA). BLACK BORDER OUTLINE MARKINGS WILL NOT REQUIRE THE APPLICATION OF GLASS BEADS.
3. PAINT SHALL BE APPLIED AT THE RATE OF 115 SQ. FT. PER GALLON PER APPLICATION. GLASS BEADS SHALL BE APPLIED AT THE RATE OF 7 POUNDS PER GALLON OF PAINT (APPLIED TO SECOND COAT ONLY).

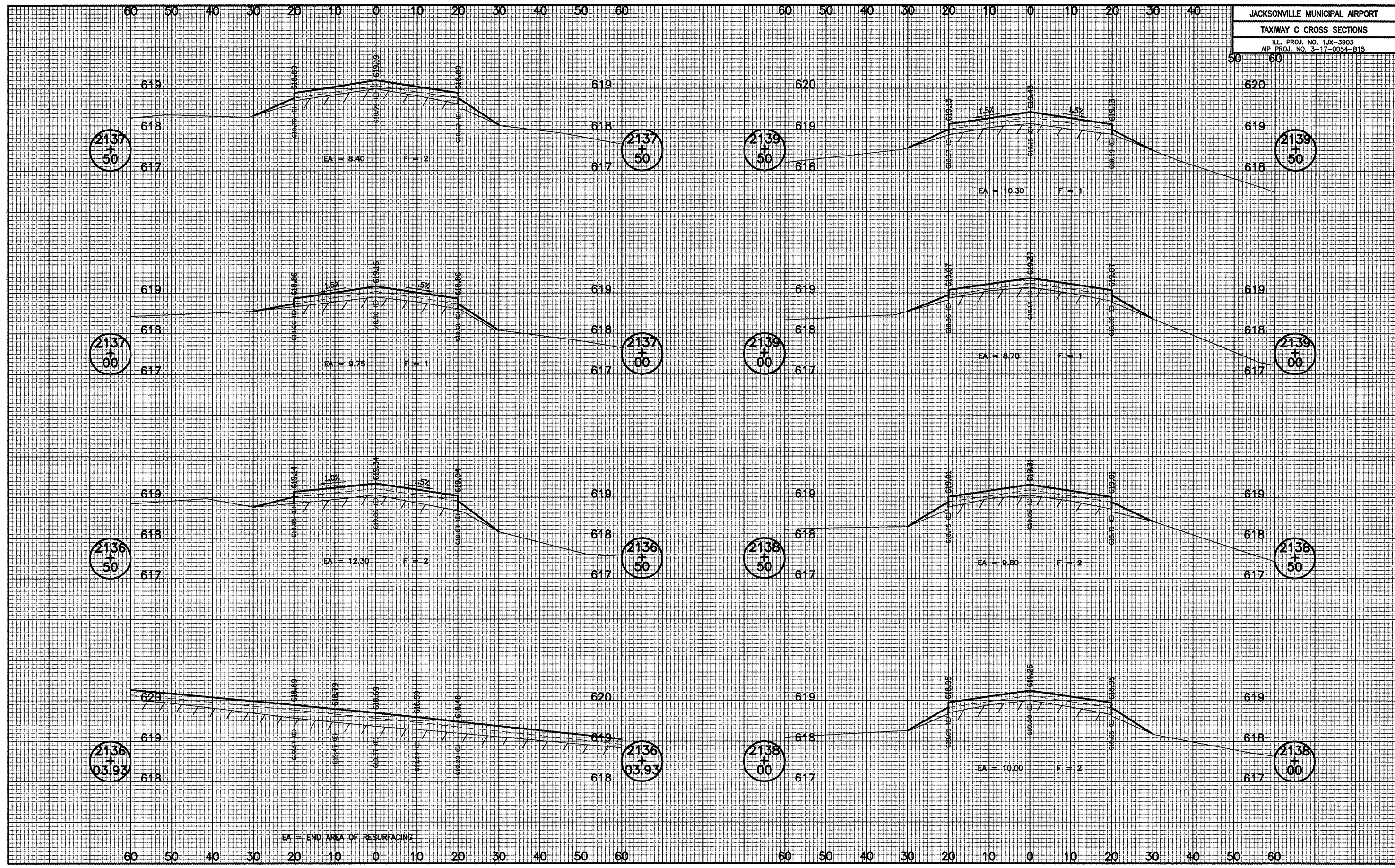
JACKSONVILLE MUNICIPAL AIRPORT
JACKSONVILLE, ILLINOIS

**TAXIWAYS C AND C3
MARKING LAYOUT**

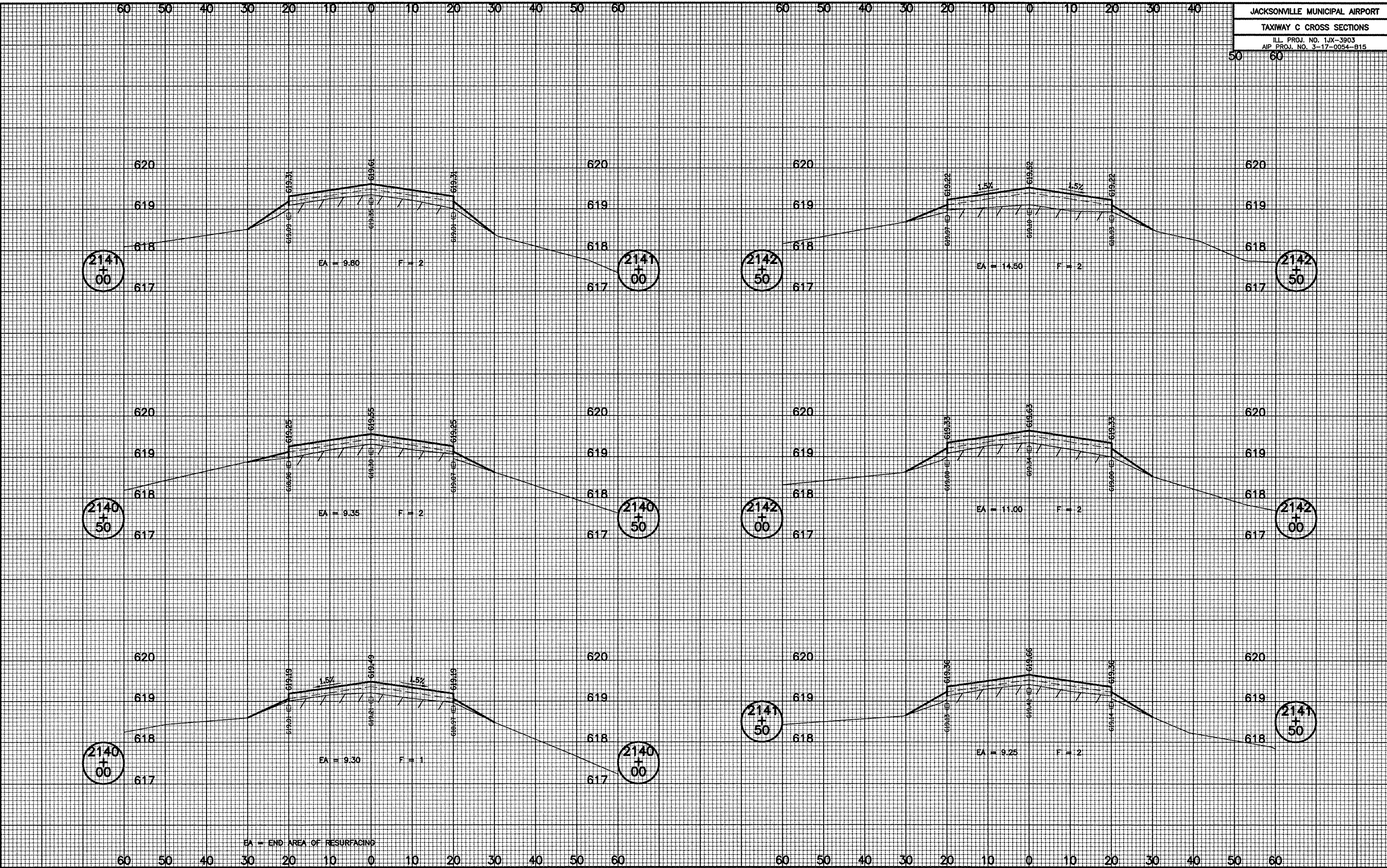
HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS

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JACKSONVILLE MUNICIPAL AIRPORT
TAXIWAY C CROSS SECTIONS
ILL. PROJ. NO. 1JX-3903
AIP PROJ. NO. 3-17-0054-B15

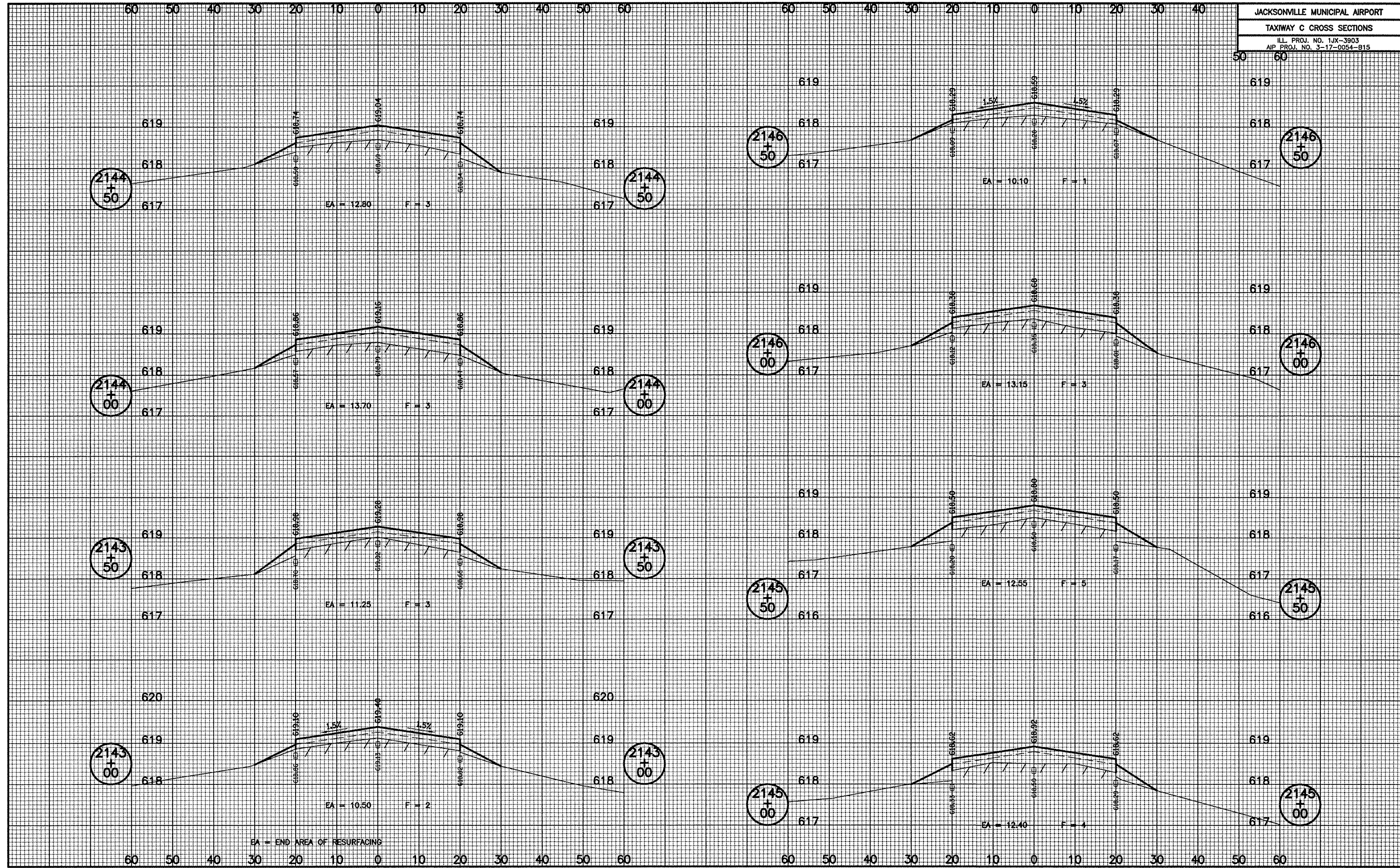


JACKSONVILLE MUNICIPAL AIRPORT
 TAXIWAY C CROSS SECTIONS
 ILL. PROJ. NO. 1JX-3903
 AIP PROJ. NO. 3-17-0054-915



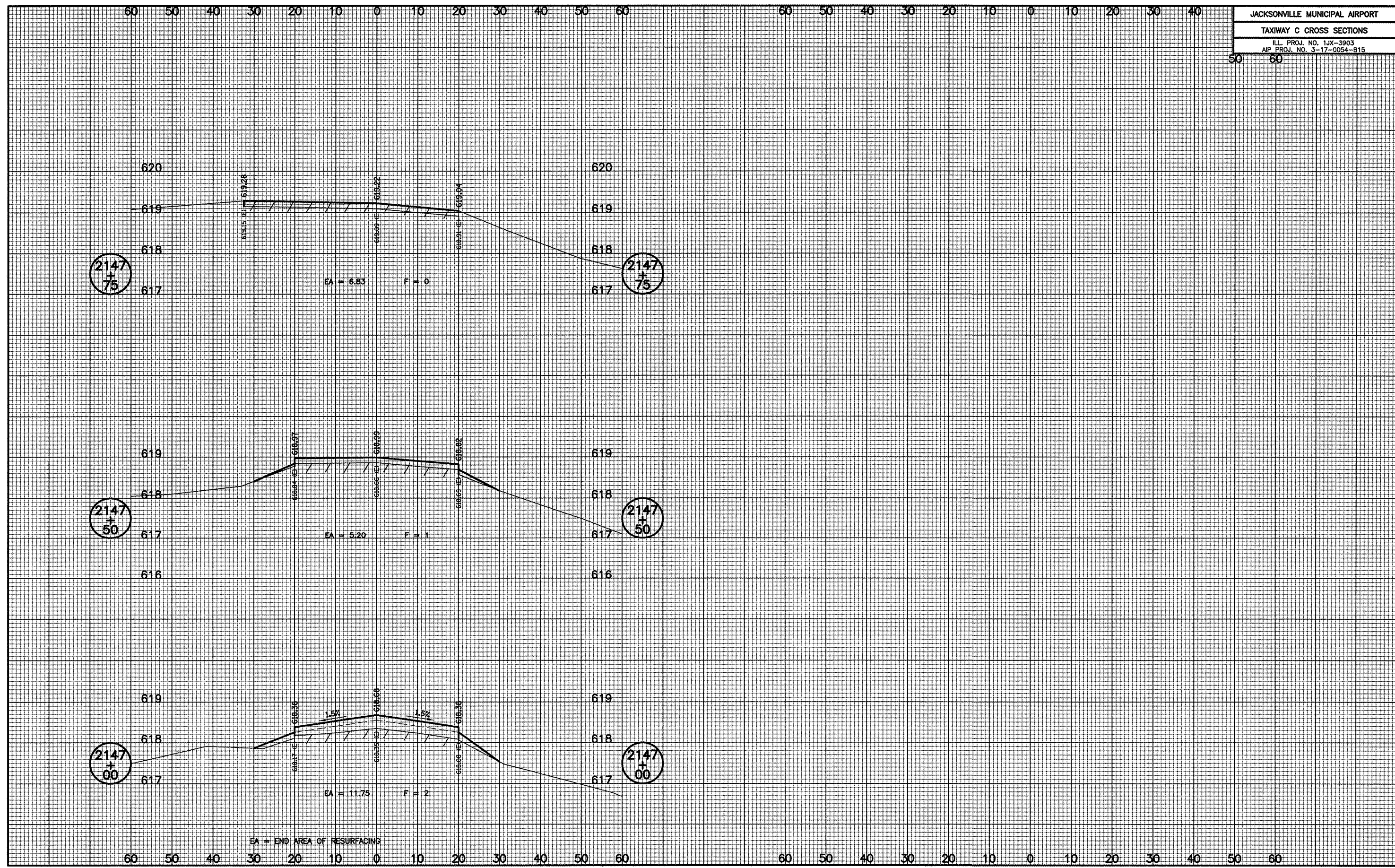
EA = END AREA OF RESURFACING

JACKSONVILLE MUNICIPAL AIRPORT
 TAXIWAY C CROSS SECTIONS
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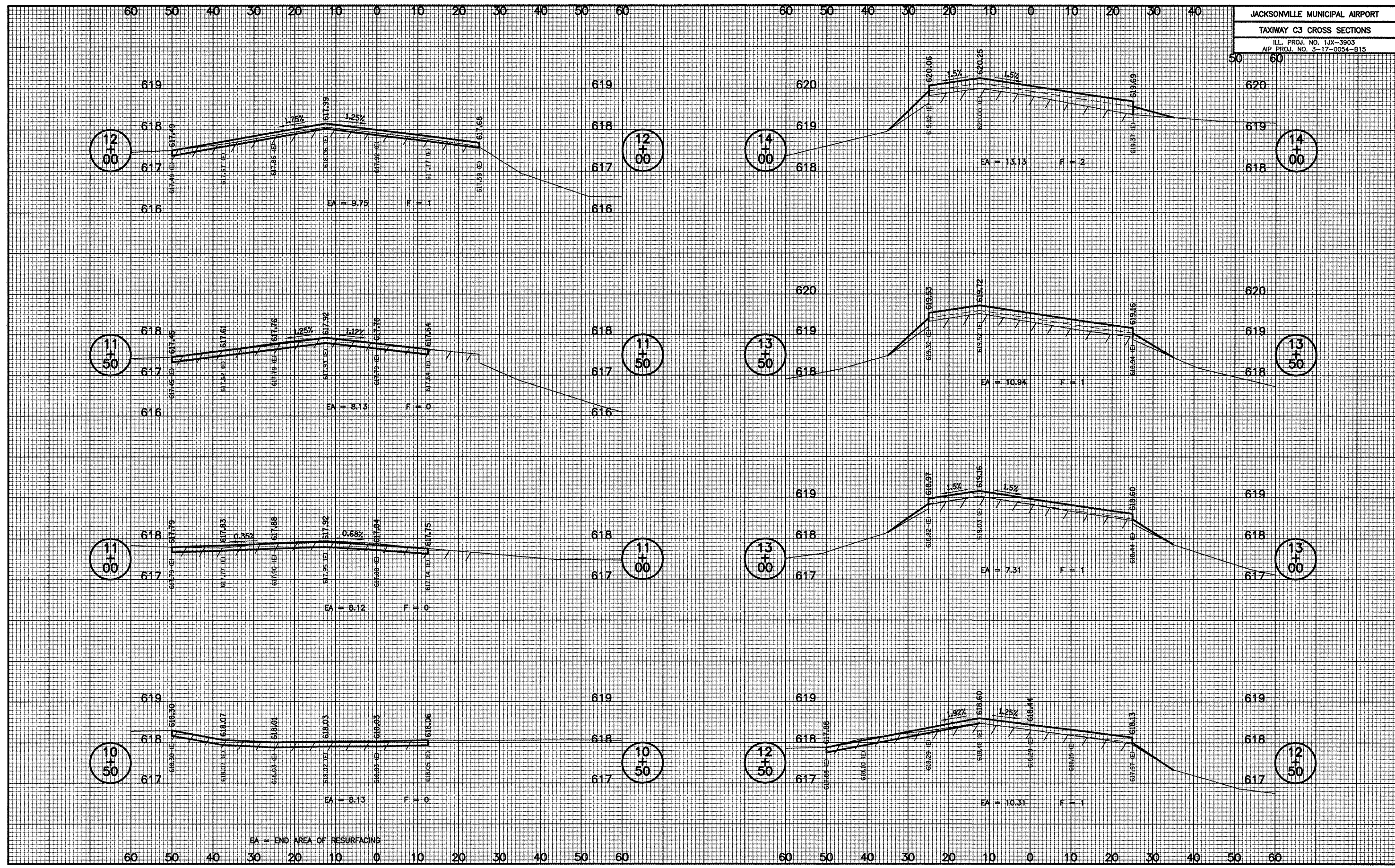


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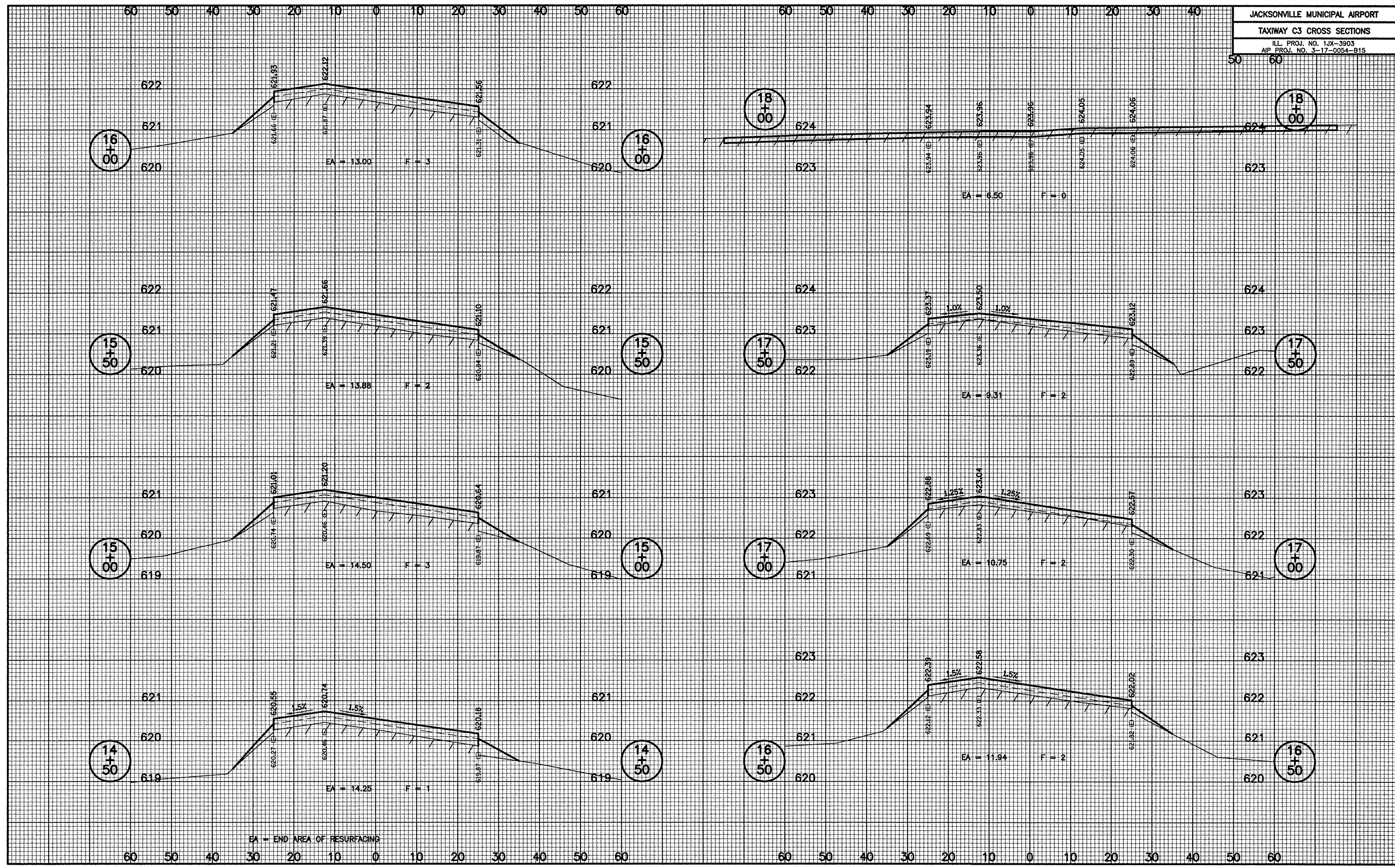
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TAXIWAY C CROSS SECTIONS
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JACKSONVILLE MUNICIPAL AIRPORT
TAXIWAY C3 CROSS SECTIONS
ILL. PROJ. NO. 1JX-3903
AIP PROJ. NO. 3-17-0054-815



JACKSONVILLE MUNICIPAL AIRPORT
 TAXIWAY C3 CROSS SECTIONS
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EA = END AREA OF RESURFACING