

CONSTRUCTION PLANS FOR CASEY MUNICIPAL AIRPORT

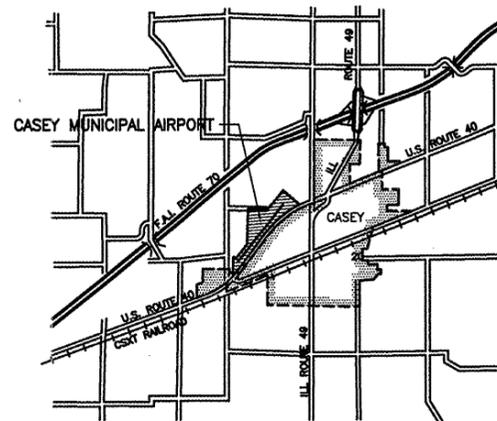
CASEY, CLARK COUNTY, ILLINOIS

REHABILITATE PARALLEL AND CONNECTING TAXIWAYS;
RECONSTRUCT HANGAR ACCESS PAVEMENT;
APRON CRACK SEALING

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	AS BID QUANTITY	AS BUILT QUANTITY
AR150530	TRAFFIC MAINTENANCE	L. SUM	1	
AR152410	UNCLASSIFIED EXCAVATION	CU. YD.	169	
AR152455	EMBANKMENT IN PLACE	CU. YD.	106	
AR156513	SEPARATION FABRIC	SQ. YD.	732	
AR201660	BITUMINOUS CRACK REPAIR	LIN. FT.	5,175	
AR201666	BASE COURSE CRACK REPAIR	SQ. YD.	81.7	
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	417	
AR401110	PAVEMENT PREPARATION	L. SUM	1	
AR401610	BITUMINOUS SURFACE COURSE	TON	1,113	
AR401655	BUTT JOINT CONSTRUCTION	SQ. YD.	688	
AR401901	REMOVE BITUMINOUS SURFACE COURSE	SQ. YD.	91	
AR501900	REMOVE PCC PAVEMENT	SQ. YD.	532	
AR602510	BITUMINOUS PRIME COAT	GAL.	256	
AR603510	BITUMINOUS TACK COAT	GAL.	375	
AR620520	PAVEMENT MARKING-WATERBORNE	SQ. FT.	1,994	
AR620525	PAVEMENT MARKING - BLACK BORDER	SQ. FT.	322	
AR901510	SEEDING	ACRE	0.7	
AR908510	MULCHING	ACRE	0.7	

ILLINOIS PROJECT NO. 1H8-3858
AIP PROJECT NO. 3-17-0014-B9

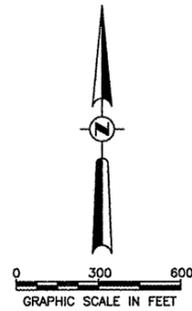
APRIL 24, 2009



VICINITY MAP

INDEX OF SHEETS	
NO.	DESCRIPTION
1	COVER SHEET
2	IMPROVEMENT AND SAFETY PLAN
3	TYPICAL SECTIONS AND SPECIAL DETAILS
4	TAXIWAYS A AND B PLAN AND PROFILE
5	HANGAR ACCESS PAVEMENT LAYOUT
6	INTERSECTION ELEVATIONS
7	TAXIWAY MARKING
8	TAXIWAY A CROSS SECTIONS
9-12	TAXIWAY B CROSS SECTIONS
13	HANGAR ACCESS PAVEMENT CROSS SECTIONS

	PLANS PREPARED BY :	CITY OF CASEY, ILLINOIS	
	HUTCHISON ENGINEERING, INC. JACKSONVILLE, ILLINOIS	APPROVED <i>David L. DeWitt</i> MAYOR DATE <i>April 13, 2009</i>	APPROVED <i>David M. Keller</i> CITY CLERK DATE <i>April 12, 2009</i>
EXPIRES 11/30/09 ENGINEER'S SEAL	SUBMITTED <i>Gary L. Hutchison</i> DATE <i>April 10, 2009</i>		



LEGEND

- PAVEMENT REHABILITATION
- PAVEMENT RECONSTRUCTION
- PAVEMENT CRACK SEALING
- LOCATION OF LIGHTED BARRICADES TO CLOSE A PAVEMENT TO AIRCRAFT

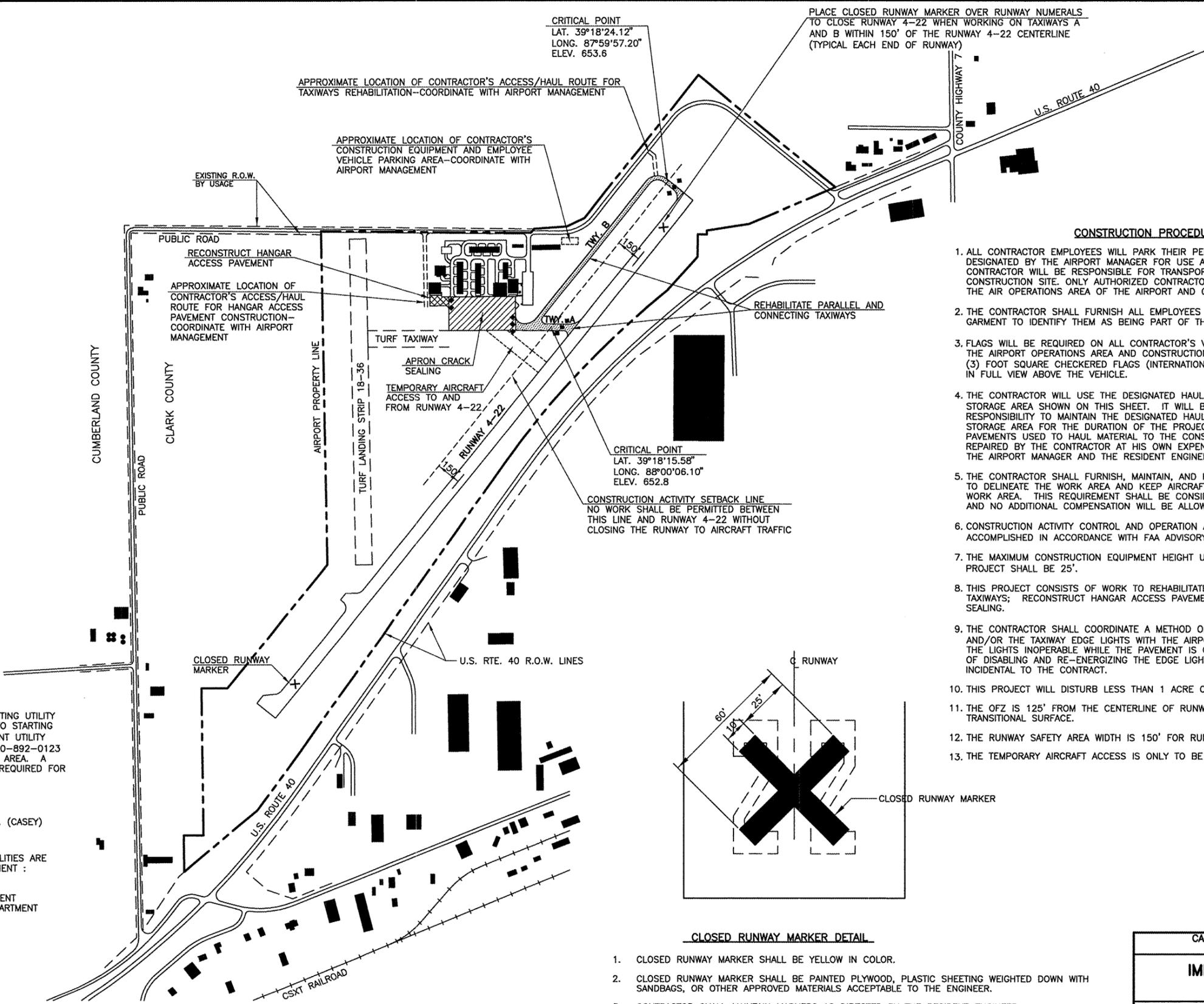
GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS. PRIOR TO STARTING WORK, THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS) PHONE 1-800-892-0123 TO ARRANGE FOR LOCATION OF UTILITIES IN THE WORK AREA. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK.

COUNTY - CLARK
 CITY - CASEY
 TOWNSHIP - T. 10 N., R. 14 W. 2nd P.M. (CASEY)
 SECTION NO. - 19

2. AVAILABLE RECORDS INDICATE THAT THE FOLLOWING UTILITIES ARE LOCATED WITHIN THE GENERAL AREA OF THIS IMPROVEMENT :

TELEPHONE : ALLTEL ILLINOIS, INC.
 WATER : CITY OF CASEY, ILLINOIS - UTILITIES DEPARTMENT
 ELECTRICAL : CITY OF CASEY, ILLINOIS - UTILITIES DEPARTMENT



CRITICAL POINT
 LAT. 39°18'24.12"
 LONG. 87°59'57.20"
 ELEV. 653.6

PLACE CLOSED RUNWAY MARKER OVER RUNWAY NUMERALS TO CLOSE RUNWAY 4-22 WHEN WORKING ON TAXIWAYS A AND B WITHIN 150' OF THE RUNWAY 4-22 CENTERLINE (TYPICAL EACH END OF RUNWAY)

APPROXIMATE LOCATION OF CONTRACTOR'S ACCESS/HAUL ROUTE FOR TAXIWAYS REHABILITATION-COORDINATE WITH AIRPORT MANAGEMENT

APPROXIMATE LOCATION OF CONTRACTOR'S CONSTRUCTION EQUIPMENT AND EMPLOYEE VEHICLE PARKING AREA-COORDINATE WITH AIRPORT MANAGEMENT

EXISTING R.O.W. BY USAGE

RECONSTRUCT HANGAR ACCESS PAVEMENT

APPROXIMATE LOCATION OF CONTRACTOR'S ACCESS/HAUL ROUTE FOR HANGAR ACCESS PAVEMENT CONSTRUCTION-COORDINATE WITH AIRPORT MANAGEMENT

TURF TAXIWAY

APRON CRACK SEALING

TEMPORARY AIRCRAFT ACCESS TO AND FROM RUNWAY 4-22

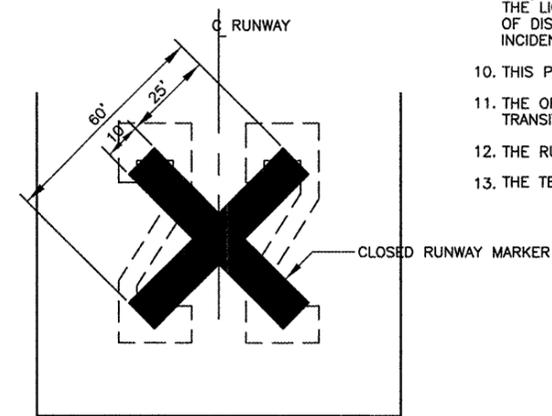
REHABILITATE PARALLEL AND CONNECTING TAXIWAYS

CRITICAL POINT
 LAT. 39°18'15.58"
 LONG. 88°00'06.10"
 ELEV. 652.8

CONSTRUCTION ACTIVITY SETBACK LINE
 NO WORK SHALL BE PERMITTED BETWEEN THIS LINE AND RUNWAY 4-22 WITHOUT CLOSING THE RUNWAY TO AIRCRAFT TRAFFIC

CLOSED RUNWAY MARKER

U.S. RTE. 40 R.O.W. LINES



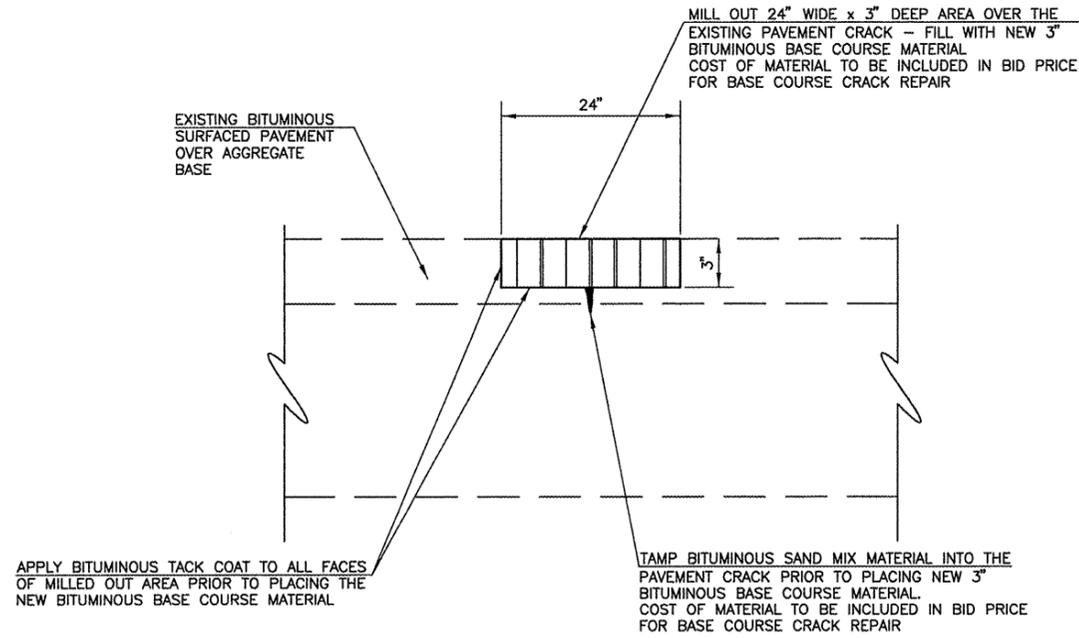
CLOSED RUNWAY MARKER DETAIL

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

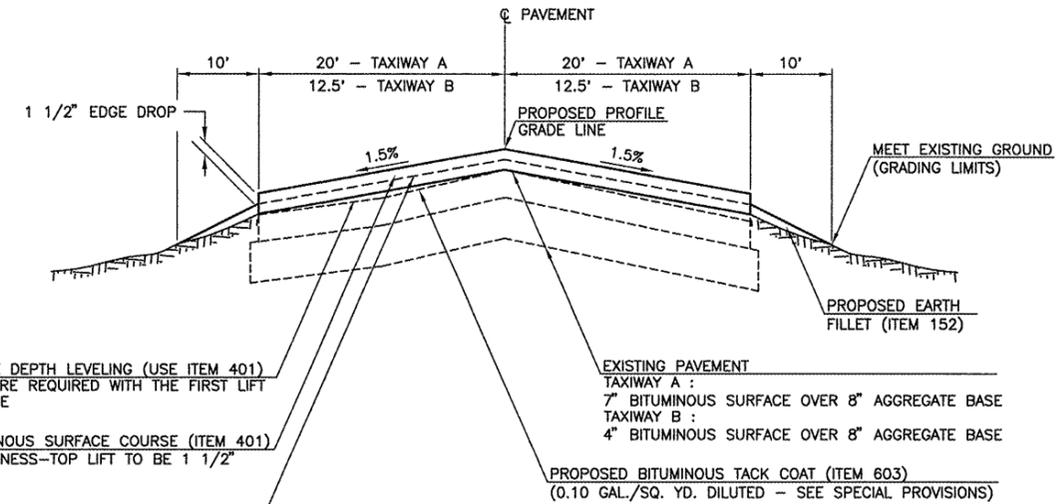
CONSTRUCTION PROCEDURE NOTES

- 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.
- THE CONTRACTOR SHALL FURNISH ALL EMPLOYEES WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THEM AS BEING PART OF THE CONSTRUCTION CREW.
- 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.
- 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.
- 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.
- CONSTRUCTION ACTIVITY CONTROL AND OPERATION AREA PROTECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR NO. 150/5370-2E.
- THE MAXIMUM CONSTRUCTION EQUIPMENT HEIGHT UTILIZED ON THE AIRPORT FOR THIS PROJECT SHALL BE 25'.
- THIS PROJECT CONSISTS OF WORK TO REHABILITATE PARALLEL AND CONNECTING TAXIWAYS; RECONSTRUCT HANGAR ACCESS PAVEMENT; PERFORM APRON CRACK SEALING.
- THE CONTRACTOR SHALL COORDINATE A METHOD OF DISABLING THE RUNWAY 4-22 AND/OR THE TAXIWAY EDGE LIGHTS WITH THE AIRPORT MANAGEMENT SO AS TO KEEP THE LIGHTS INOPERABLE WHILE THE PAVEMENT IS CLOSED TO AIR TRAFFIC. THE COST OF DISABLING AND RE-ENERGIZING THE EDGE LIGHT CIRCUITS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF LAND.
- THE OFZ IS 125' FROM THE CENTERLINE OF RUNWAY 4-22 WITH NO INNER TRANSITIONAL SURFACE.
- THE RUNWAY SAFETY AREA WIDTH IS 150' FOR RUNWAY 4-22.
- THE TEMPORARY AIRCRAFT ACCESS IS ONLY TO BE USED WHEN TAXIWAY A IS CLOSED.

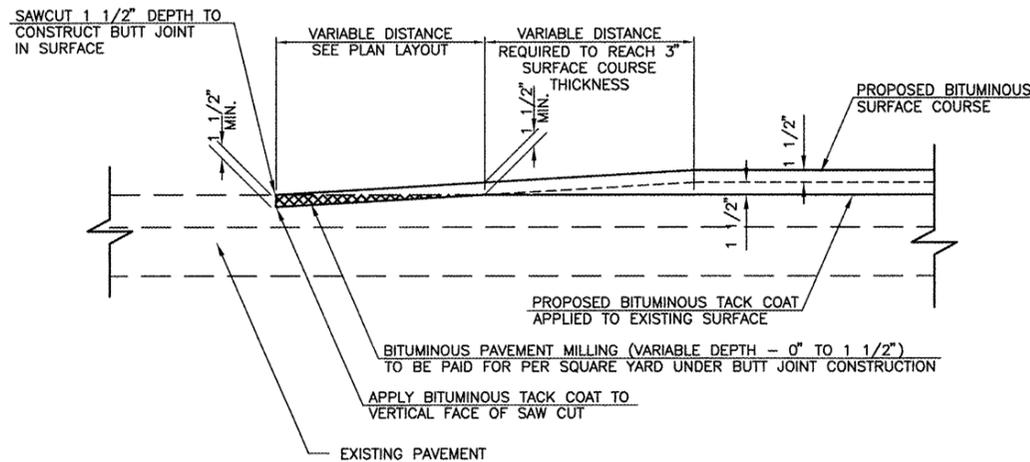
CASEY MUNICIPAL AIRPORT CASEY, ILLINOIS	
IMPROVEMENT AND SAFETY PLAN	
HUTCHISON ENGINEERING, INC. JACKSONVILLE, ILLINOIS	
DRAWN BY: R.L.R. DATE: APRIL, 2009	ILL. PROJ. NO. 1HB-3858 AIP PROJ. NO. 3-17-0014-89



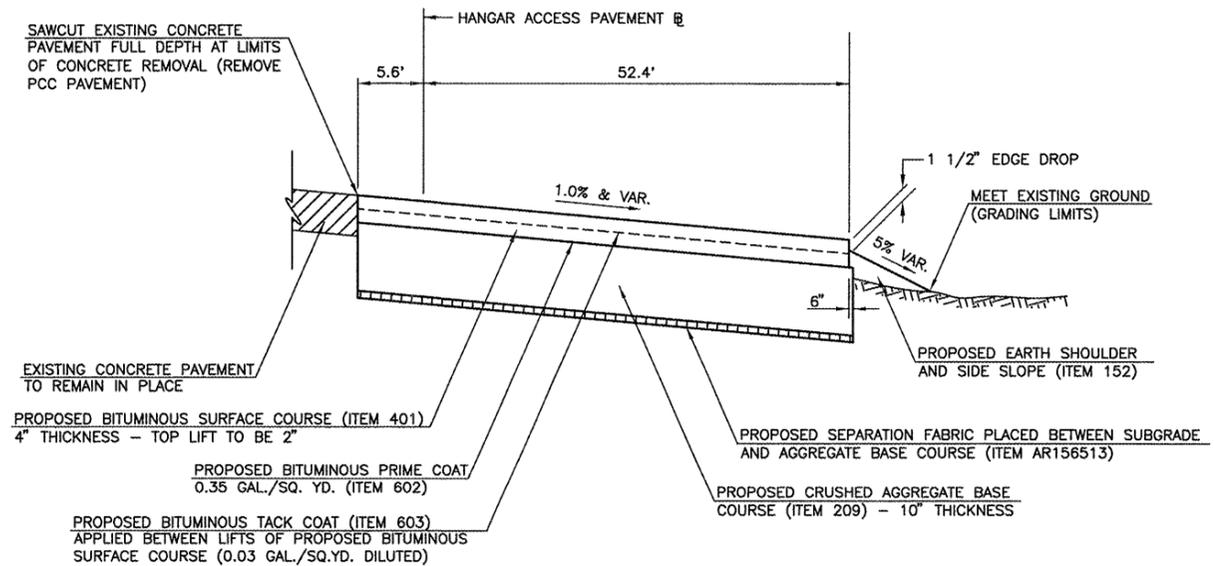
BASE COURSE CRACK REPAIR DETAIL
NOT TO SCALE



TAXIWAY TYPICAL SECTION
NOT TO SCALE



BITUMINOUS BUTT JOINT CONSTRUCTION DETAIL
NOT TO SCALE



HANGAR ACCESS PAVEMENT 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 0.7 AC. CONSTITUTES THE AREA FOR PAYMENT.

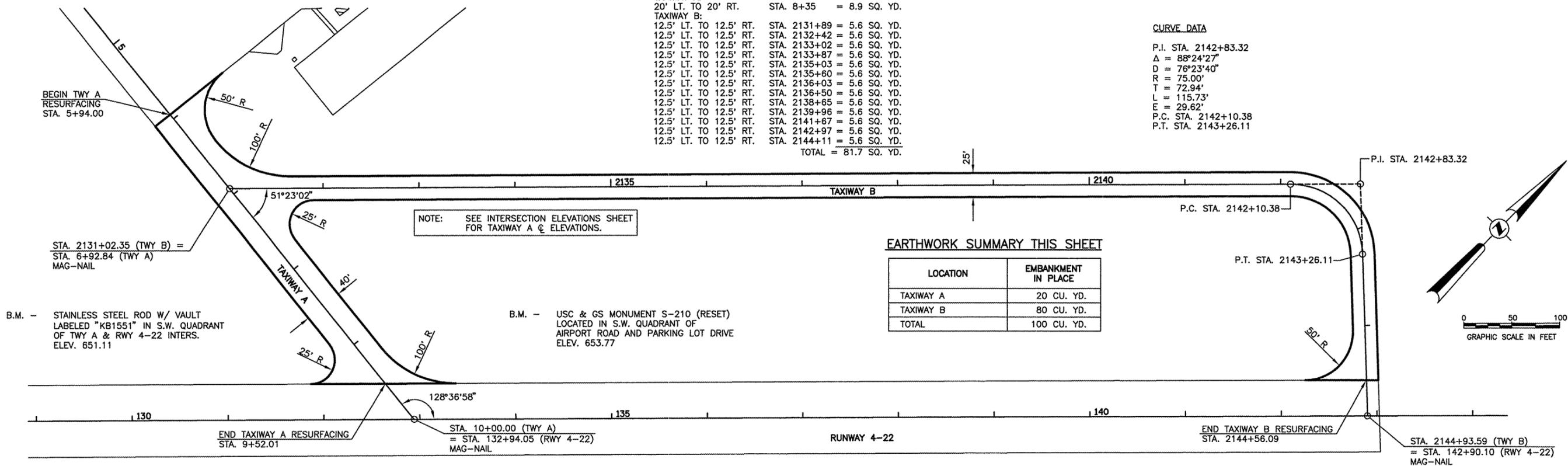
CASEY MUNICIPAL AIRPORT CASEY, ILLINOIS	
TYPICAL SECTIONS AND SPECIAL DETAILS	
HUTCHISON ENGINEERING, INC. JACKSONVILLE, ILLINOIS	
DRAWN BY: R.L.R. DATE: APRIL, 2009	ILL. PROJ. NO. 118-3858 AIP PROJ. NO. 3-17-0014-89

BASE COURSE CRACK REPAIR

TAXIWAY A:		
20' LT. TO 20' RT.	STA. 8+35	= 8.9 SQ. YD.
TAXIWAY B:		
12.5' LT. TO 12.5' RT.	STA. 2131+89	= 5.6 SQ. YD.
12.5' LT. TO 12.5' RT.	STA. 2132+42	= 5.6 SQ. YD.
12.5' LT. TO 12.5' RT.	STA. 2133+02	= 5.6 SQ. YD.
12.5' LT. TO 12.5' RT.	STA. 2133+87	= 5.6 SQ. YD.
12.5' LT. TO 12.5' RT.	STA. 2135+03	= 5.6 SQ. YD.
12.5' LT. TO 12.5' RT.	STA. 2135+60	= 5.6 SQ. YD.
12.5' LT. TO 12.5' RT.	STA. 2136+03	= 5.6 SQ. YD.
12.5' LT. TO 12.5' RT.	STA. 2136+50	= 5.6 SQ. YD.
12.5' LT. TO 12.5' RT.	STA. 2138+65	= 5.6 SQ. YD.
12.5' LT. TO 12.5' RT.	STA. 2139+96	= 5.6 SQ. YD.
12.5' LT. TO 12.5' RT.	STA. 2141+67	= 5.6 SQ. YD.
12.5' LT. TO 12.5' RT.	STA. 2142+97	= 5.6 SQ. YD.
12.5' LT. TO 12.5' RT.	STA. 2144+11	= 5.6 SQ. YD.
TOTAL		= 81.7 SQ. YD.

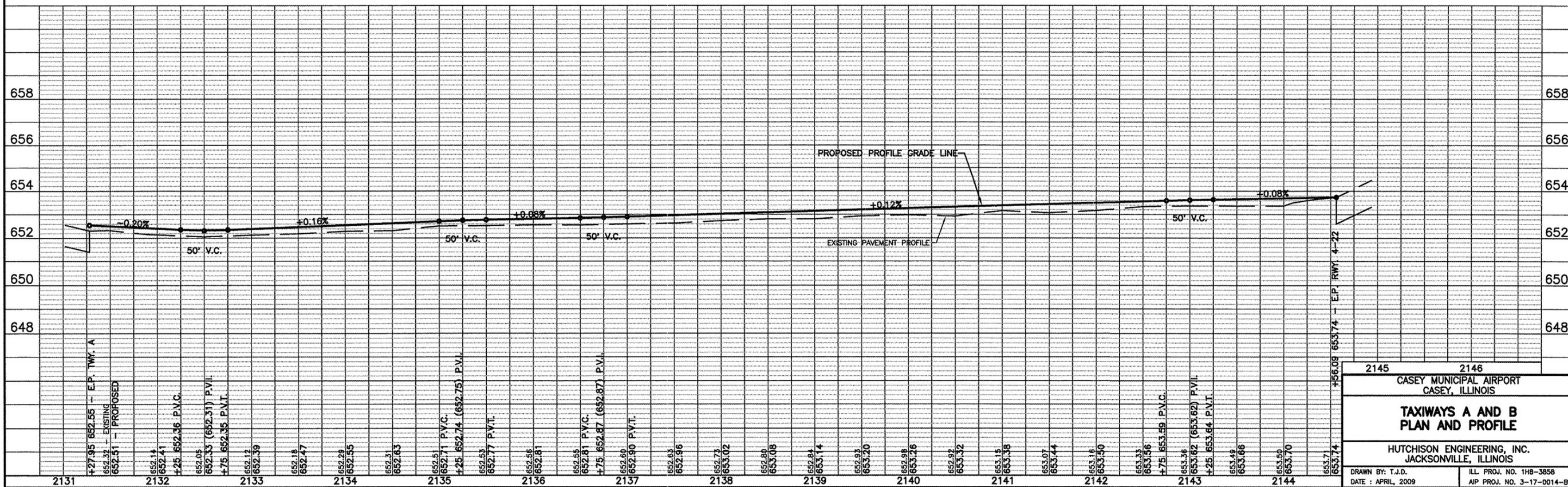
CURVE DATA

P.I. STA. 2142+83.32
 Δ = 88°24'27"
 D = 76°23'40"
 R = 75.00'
 T = 72.94'
 L = 115.73'
 E = 29.62'
 P.C. STA. 2142+10.38
 P.T. STA. 2143+26.11



EARTHWORK SUMMARY THIS SHEET

LOCATION	EMBANKMENT IN PLACE
TAXIWAY A	20 CU. YD.
TAXIWAY B	80 CU. YD.
TOTAL	100 CU. YD.



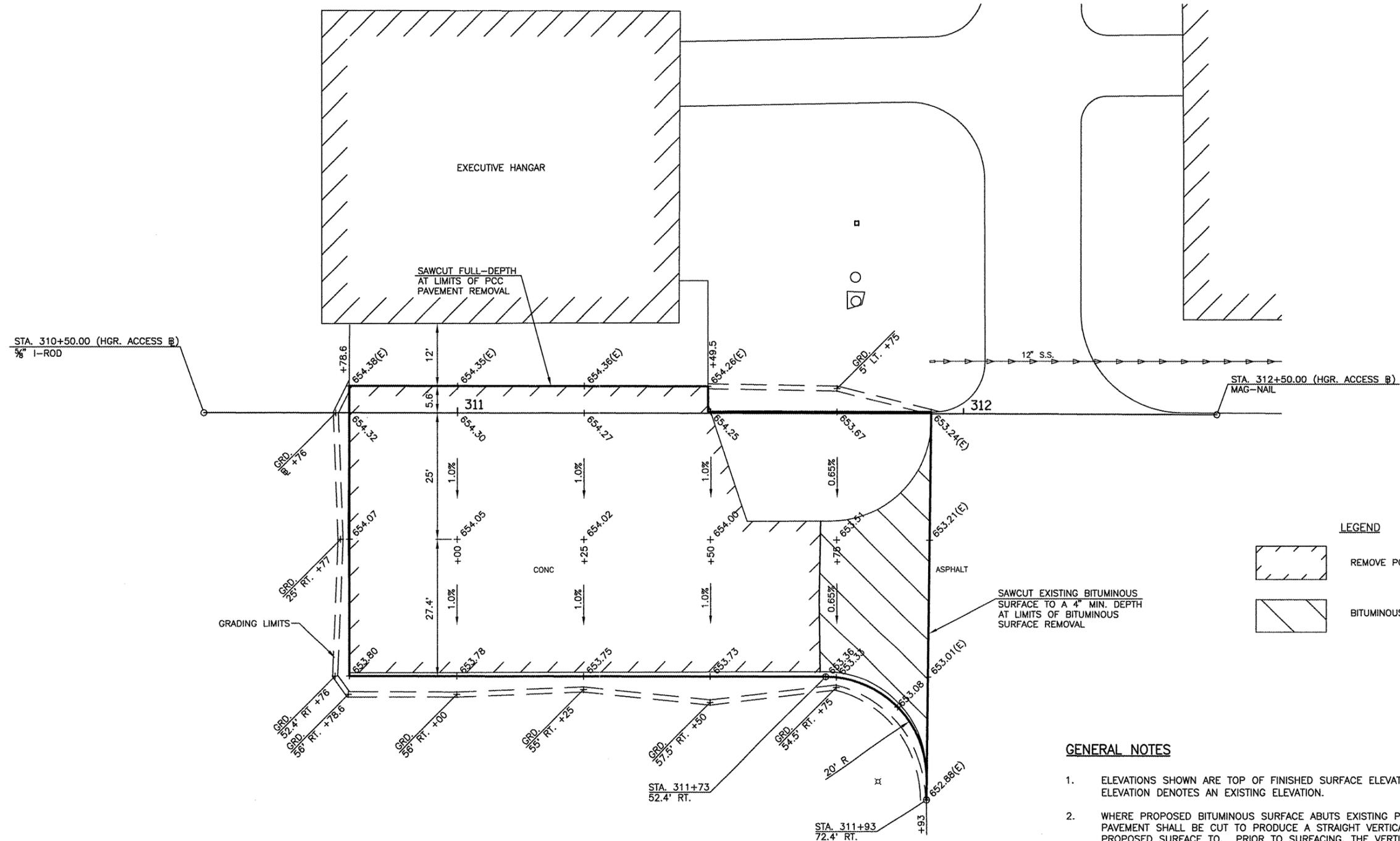
2145 2146

CASEY MUNICIPAL AIRPORT
 CASEY, ILLINOIS

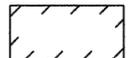
**TAXIWAYS A AND B
 PLAN AND PROFILE**

HUTCHISON ENGINEERING, INC.
 JACKSONVILLE, ILLINOIS

DRAWN BY: T.J.D. ILL. PROJ. NO. 1HB-3858
 DATE: APRIL, 2009 AIP PROJ. NO. 3-17-0014-89



LEGEND

-  REMOVE PCC PAVEMENT
-  BITUMINOUS SURFACE REMOVAL

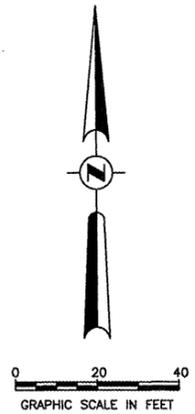
GENERAL NOTES

1. ELEVATIONS SHOWN ARE TOP OF FINISHED SURFACE ELEVATIONS. (E) SHOWN AFTER AN ELEVATION DENOTES AN EXISTING ELEVATION.
2. 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.
3. EXISTING AGGREGATE BASE THAT IS REMOVED SHALL BE CONSIDERED UNCLASSIFIED EXCAVATION.

EARTHWORK SUMMARY THIS SHEET

LOCATION	UNCLASSIFIED EXCAVATION	EMBANKMENT IN PLACE	REMARKS
HANGAR ACCESS PVMT. AREA	169 CU. YD.	6 CU. YD.	163 CU. YD. TO BE USED ON TAXIWAY A AND B FILLETS AND/OR WASTED.

CASEY MUNICIPAL AIRPORT CASEY, ILLINOIS	
HANGAR ACCESS PAVEMENT LAYOUT	
HUTCHISON ENGINEERING, INC. JACKSONVILLE, ILLINOIS	
DRAWN BY: T.J.D. DATE: APRIL, 2009	ILL. PROJ. NO. 118-3858 AIP PROJ. NO. 3-17-0014-B9

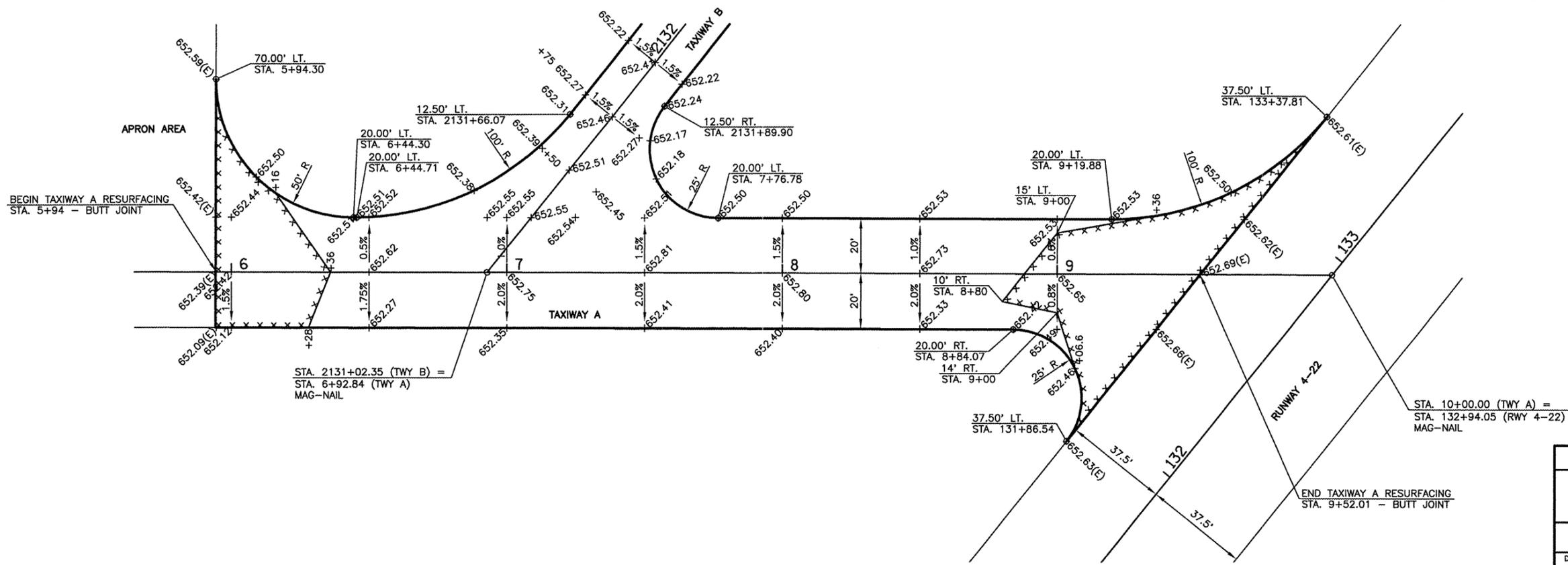
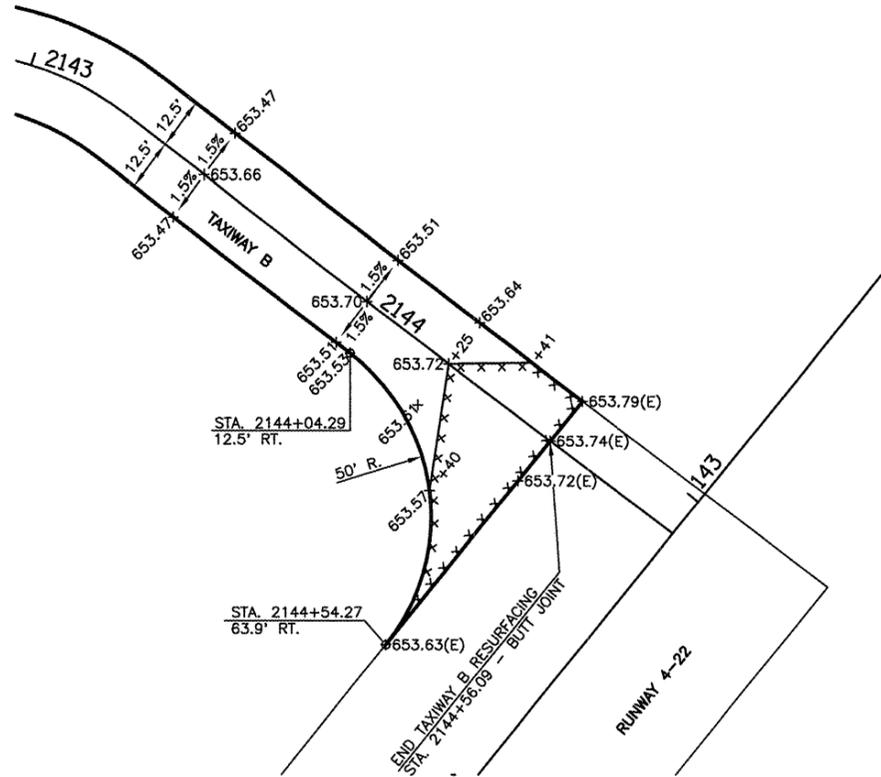


GENERAL NOTES

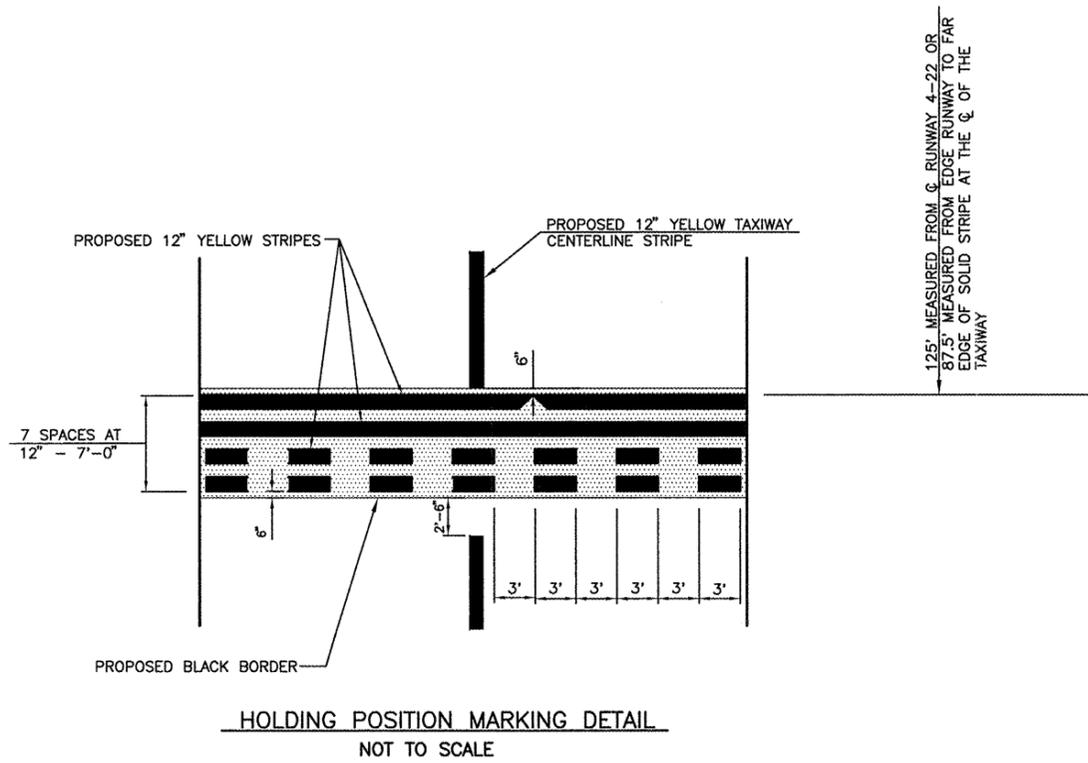
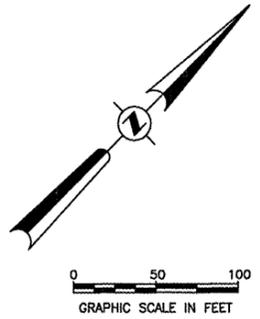
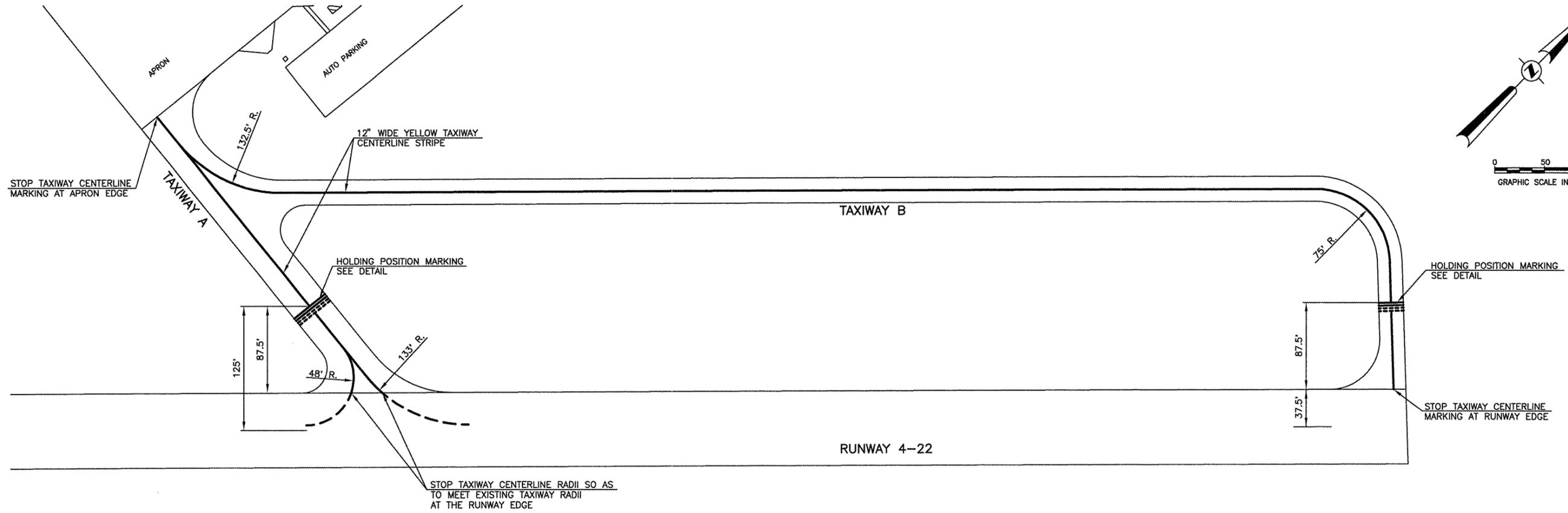
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LEGEND

XXXX BITUMINOUS PAVEMENT MILLING FOR BUTT JOINT CONSTRUCTION



CASEY MUNICIPAL AIRPORT CASEY, ILLINOIS	
INTERSECTION ELEVATIONS	
HUTCHISON ENGINEERING, INC. JACKSONVILLE, ILLINOIS	
DRAWN BY: T.J.D. DATE: APRIL, 2009	ILL. PROJ. NO. 118-385B AIP PROJ. NO. 3-17-0014-B9



HOLDING POSITION MARKING DETAIL
NOT TO SCALE

MARKING SUMMARY

DESCRIPTION	UNIT AREA	NUMBER REQ'D	YELLOW PAINT	BLACK PAINT
	SQ. FT.		SQ. FT.	SQ. FT.
TAXIWAY CENTERLINE STRIPES	1,796		1,796	
HOLDING POSITION MARKING (40' WIDE TWY.)	122-YELLOW 198-BLACK	1	122	198
HOLDING POSITION MARKING (25' WIDE TWY.)	76-YELLOW 124-BLACK	1	76	124
TOTALS			1,994	322

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).

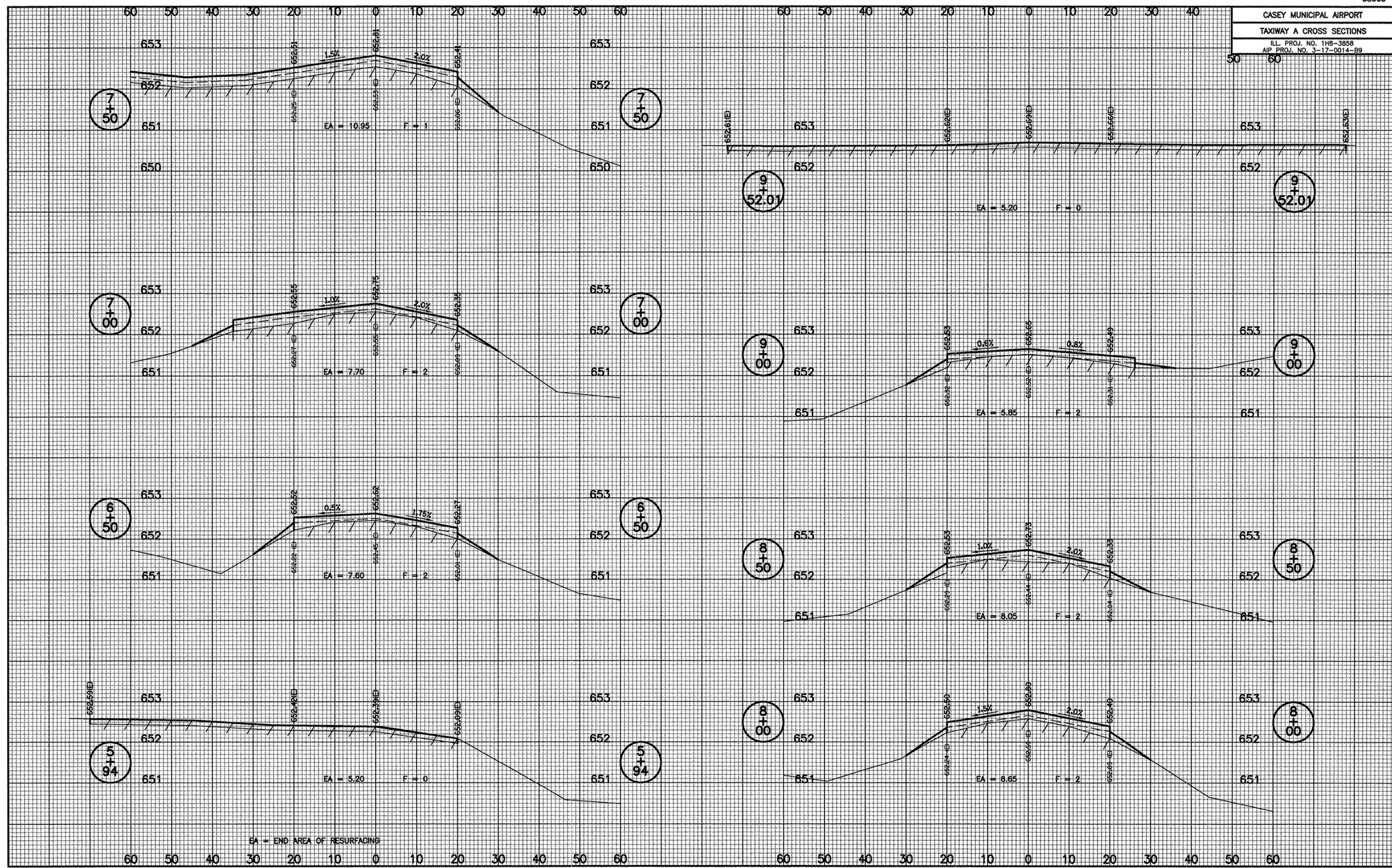
CASEY MUNICIPAL AIRPORT
CASEY, ILLINOIS

TAXIWAY MARKING

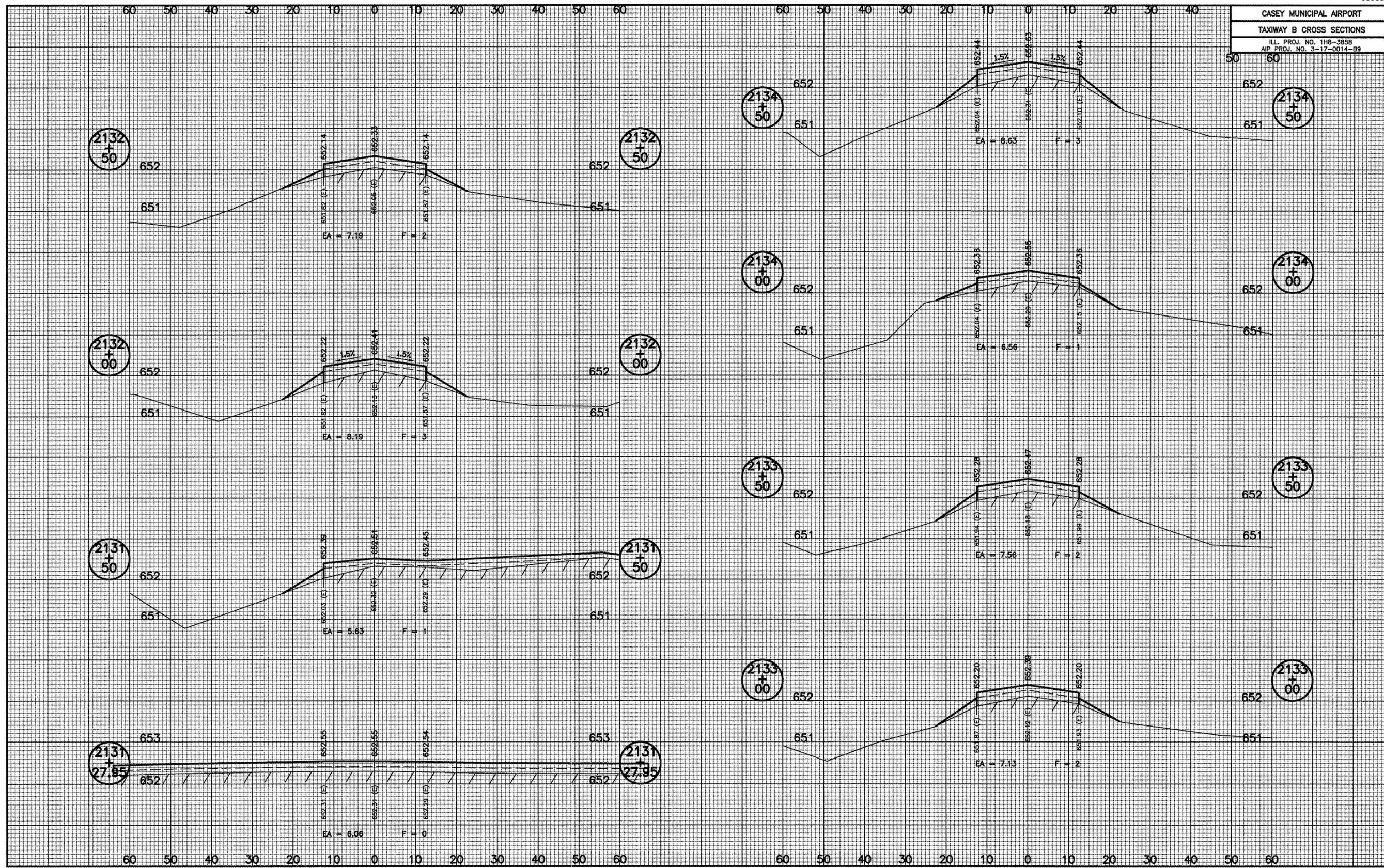
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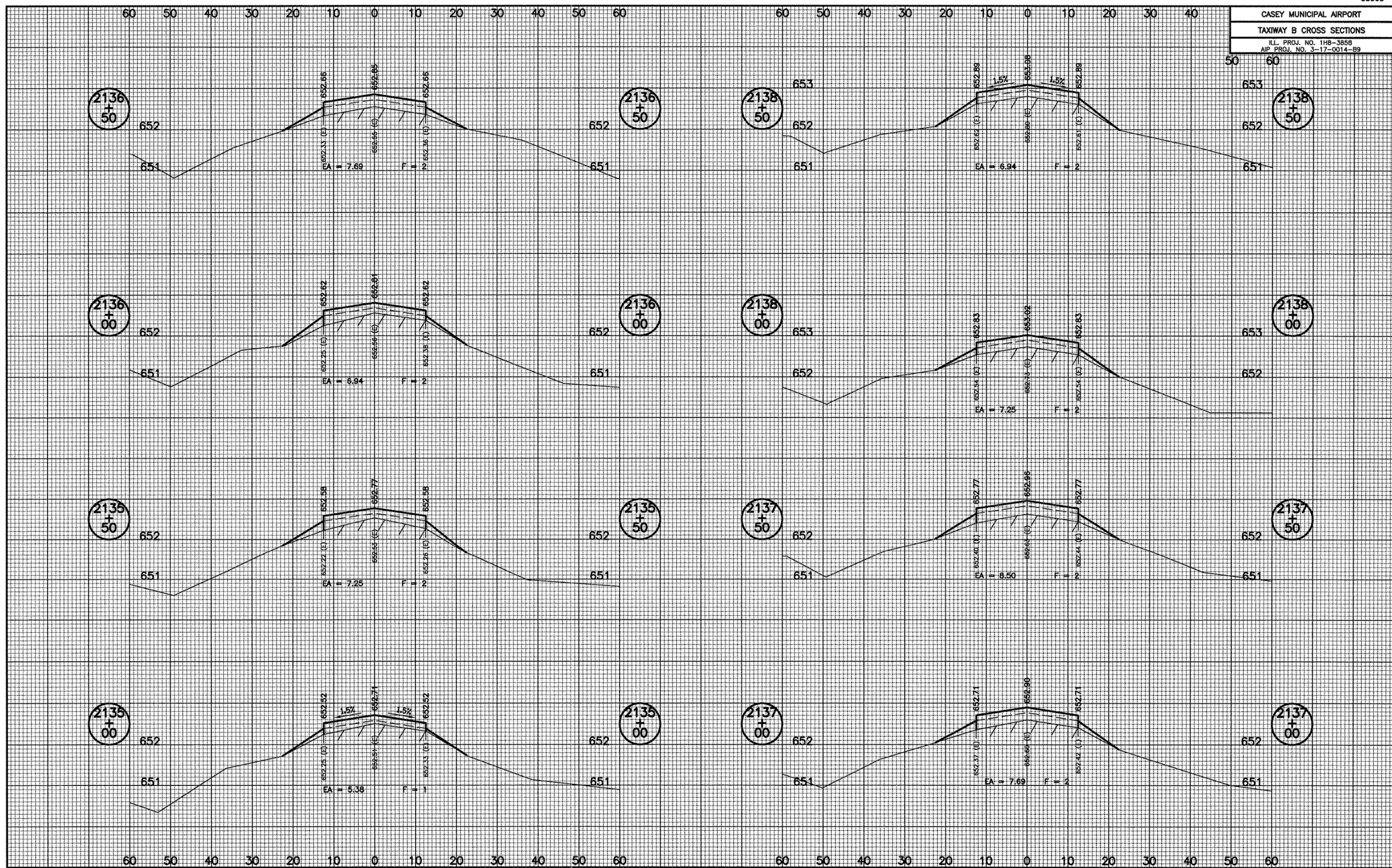
CASEY MUNICIPAL AIRPORT
TAXIWAY A CROSS SECTIONS
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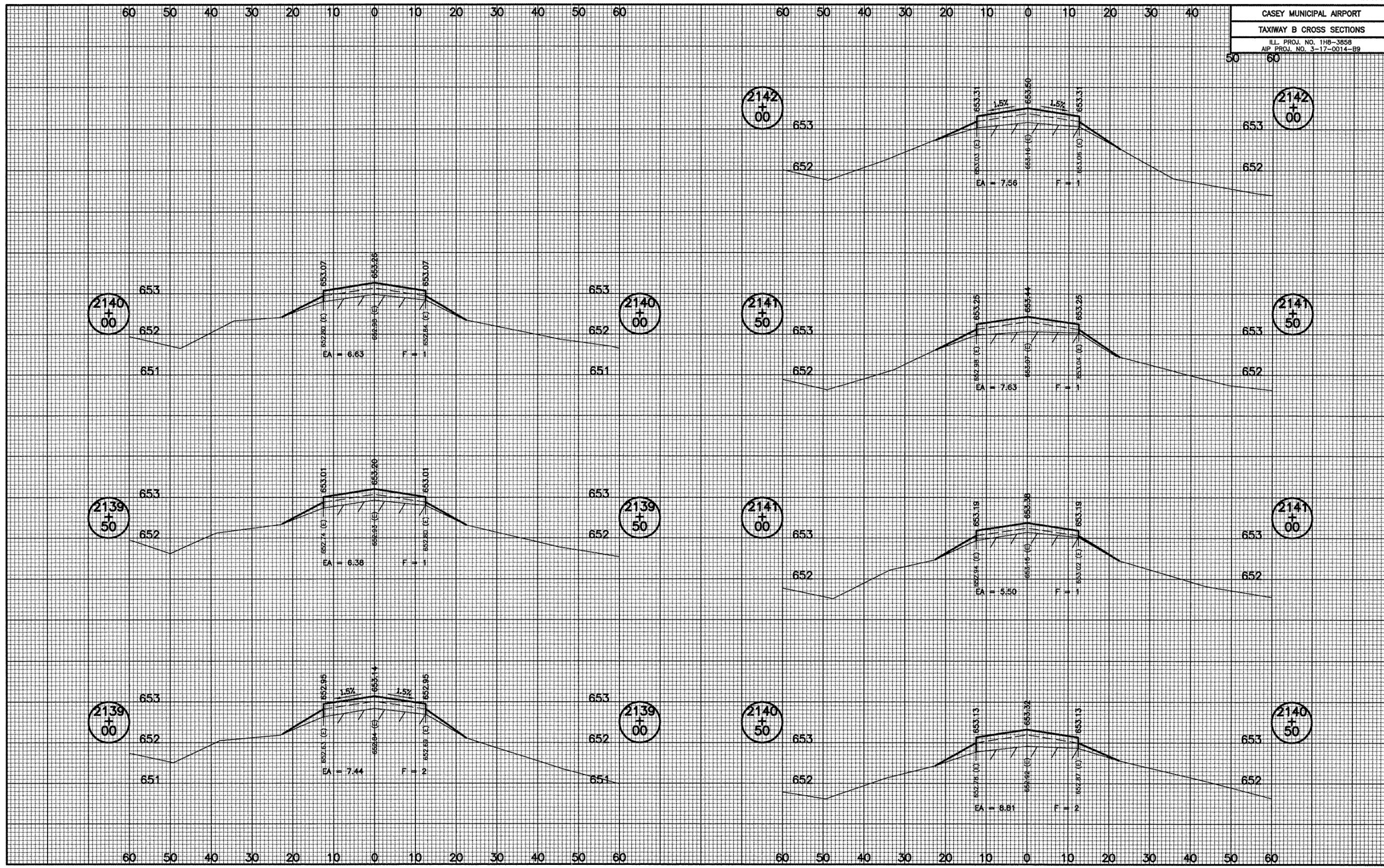
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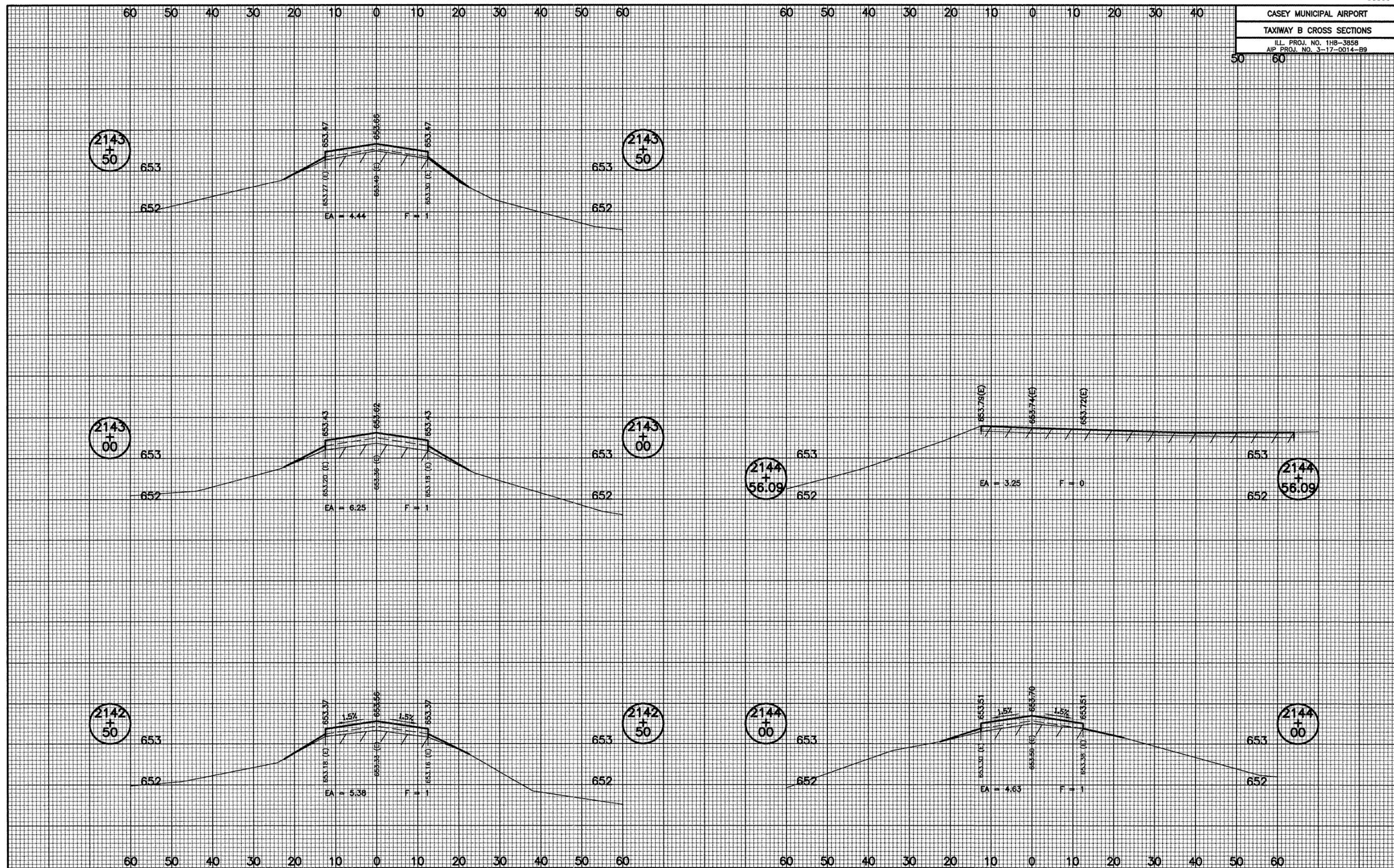
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CASEY MUNICIPAL AIRPORT
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CASEY MUNICIPAL AIRPORT
HANGAR ACCESS PAVEMENT CROSS SECTIONS
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