

08A

# CONSTRUCTION PLANS FOR CASEY MUNICIPAL AIRPORT CASEY, CLARK COUNTY, ILLINOIS

## RE-MARK RUNWAY 4-22, TAXIWAY A, & TAXIWAY B

**CS007**  
**TOTAL SHEETS: 4**

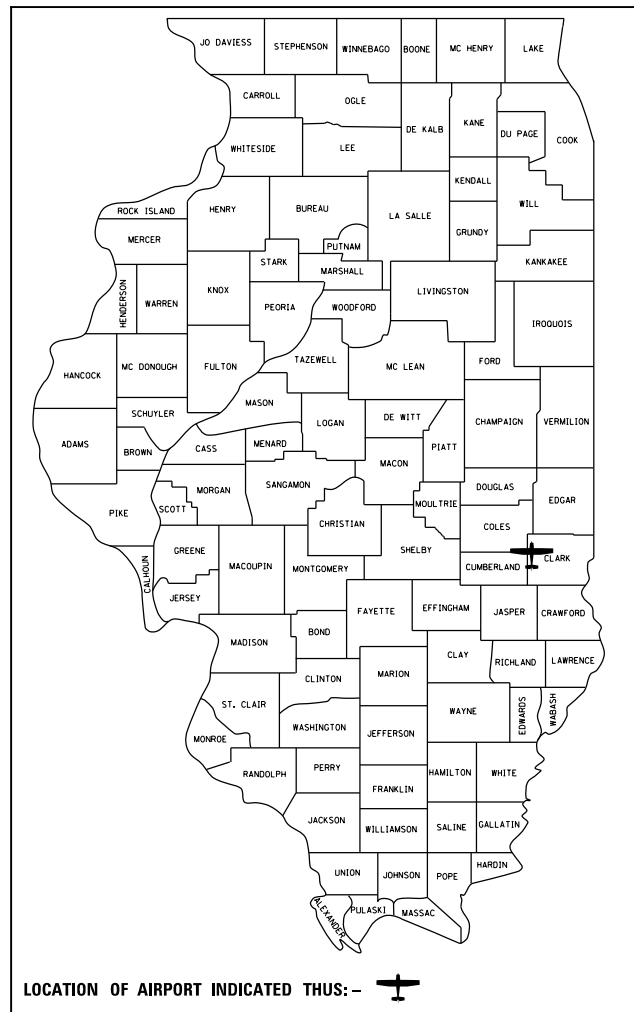
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REVISIONS		
NO.	BY	DATE



**Hutchison Engineering, Inc.**  
SINCE 1945  
1801 West Lafayette  
PO Box 820  
Jacksonville, Illinois 62651  
PHONE : (217)245-7164 FAX (217)243-0468

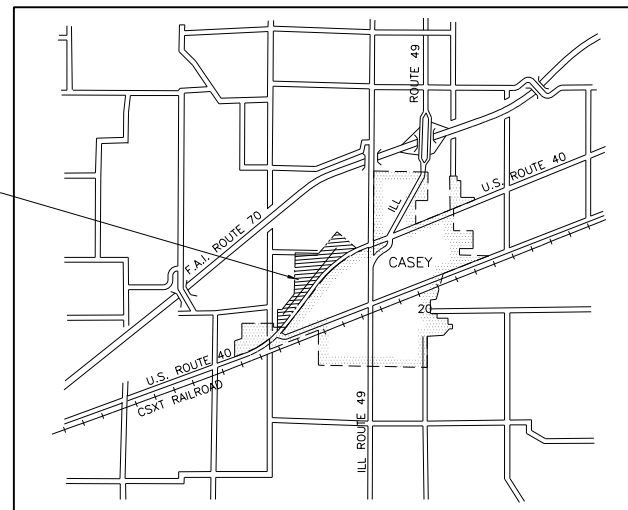
**LOCATION MAP**



**ILLINOIS PROJECT NO. 1H8-4499**  
**SBG PROJECT NO. 3-17-SBGP-111/120**

**MARCH 1, 2019**

**CASEY MUNICIPAL AIRPORT**



**VICINITY MAP**

INDEX OF SHEETS	
NO.	DESCRIPTION
1	COVER SHEET, SUMMARY OF QUANTITIES, INDEX OF SHEETS
2	CONSTRUCTION SAFETY & PHASING PLAN
3	TAXIWAY MARKING LAYOUT
4	RUNWAY MARKING LAYOUT

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	AS BID QUANTITY	AS BUILT QUANTITY
AR150530	TRAFFIC MAINTENANCE	L. SUM	1	
AR620520	PAVEMENT MARKING - WATERBORNE	SQ. FT.	30,584	
AR620525	PAVEMENT MARKING - BLACK BORDER	SQ. FT.	5,338	
AR620900	PAVEMENT MARKING REMOVAL	SQ. FT.	180	



CITY OF CASEY, ILLINOIS	
APPROVED <i>W.R. Brothman</i>	MAYOR
DATE <u>2/28/2019</u>	
APPROVED <i>Jeremy Murphy</i>	CITY CLERK
DATE <u>2/28/2019</u>	

<b>Hutchison Engineering, Inc.</b>	
SUBMITTED BY <i>A.H. [Signature]</i>	ENGINEER
DATE SUBMITTED <u>2-28-2019</u>	
LICS. EXP. DATE <u>11-30-2019</u>	

**CASEY MUNICIPAL AIRPORT  
CASEY, ILLINOIS  
RE-MARK RUNWAY 4-22, TAXIWAY A,  
& TAXIWAY B**

**COVER SHEET**

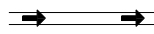




HEI PROJ. NO. 4238  
ILL PROJ. NO. 1H8-4499  
SBG PROJ. NO. 3-17-SBGP-111/120

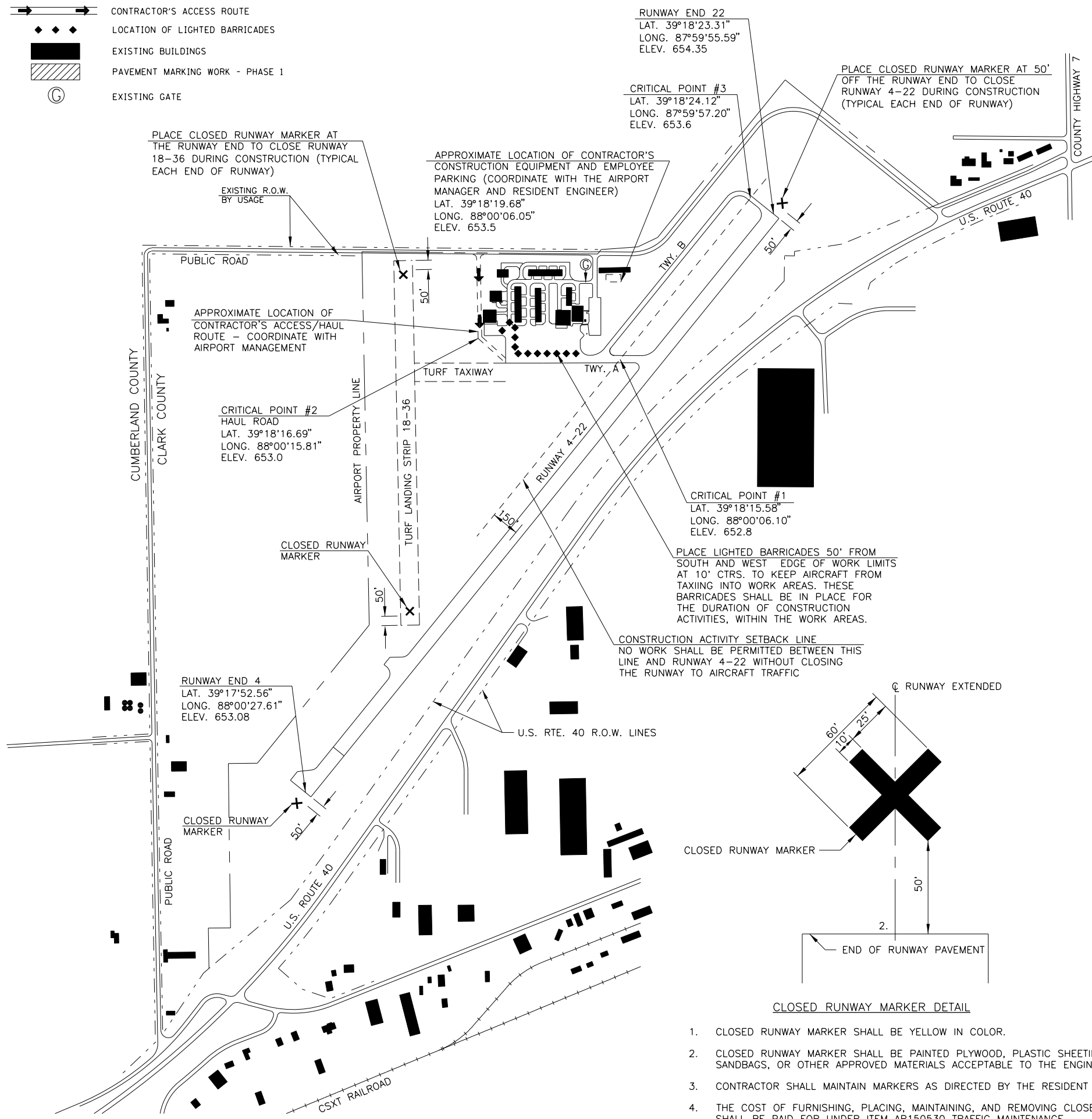
**FINAL**

**1**

SHEET 1 OF 4

**LEGEND**

-  CONTRACTOR'S ACCESS ROUTE
-  LOCATION OF LIGHTED BARRICADES
-  EXISTING BUILDINGS
-  PAVEMENT MARKING WORK - PHASE 1
-  EXISTING GATE



**CONSTRUCTION PROCEDURE NOTES**

1. ALL CONTRACTOR EMPLOYEES WILL PARK THEIR PERSONAL VEHICLES IN THE AREA DESIGNATED IN THESE PLANS FOR USE AS A VEHICLE PARKING AREA. 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. THE FLAGS SHALL BE THREE (3) FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE) DISPLAYED IN FULL VIEW ABOVE THE VEHICLE.
3. THE CONTRACTOR WILL USE THE DESIGNATED ACCESS ROUTE AND EQUIPMENT STORAGE AREA SHOWN ON THIS SHEET. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE DESIGNATED ACCESS ROUTE AND EQUIPMENT STORAGE AREA FOR THE DURATION OF THE PROJECT. ANY DAMAGE TO EXISTING PAVEMENTS USED FOR ACCESS TO THE CONSTRUCTION SITE WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE AIRPORT MANAGER AND RESIDENT ENGINEER.
4. LIGHTED BARRICADES WILL BE EQUIPPED WITH RED FLASHING LIGHTS.
5. THE CONTRACTOR SHALL FURNISH, MAINTAIN, AND REMOVE ALL BARRICADES REQUIRED TO DELINEATE THE WORK AREA AND KEEP AIRCRAFT OR GROUND VEHICLES FROM ENCROACHING INTO SAID WORK AREA. THIS REQUIREMENT SHALL BE CONSIDERED INCIDENTAL TO TRAFFIC MAINTENANCE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. CONSTRUCTION ACTIVITY CONTROL AND OPERATION AREA PROTECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR NO. 150/5370-2 (LATEST REVISION).
7. THE MAXIMUM CONSTRUCTION EQUIPMENT HEIGHT UTILIZED ON THE AIRPORT FOR THIS PROJECT SHALL BE 20'.
8. THIS PROJECT CONSISTS OF WORK TO RE-MARK THE RUNWAY AND TAXIWAYS.
9. 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.
10. THIS PROJECT WILL NOT DISTURB MORE THAN 1 ACRE OF TURFED LAND.
11. THE EXISTING RUNWAY DESIGN CODE IS B-II FOR RUNWAY 4-22.
12. PHASE 1 OF 1 - RUNWAY 4-22, TAXIWAY ALPHA, TAXIWAY BRAVO, AND 50' ALONG THE SOUTHERN AND WESTERN PERIMETER OF THE MAIN APRON SHALL BE CLOSED TO AIRCRAFT TRAFFIC WHILE WORK IS ACCOMPLISHED IN THESE AREAS. PLACE BARRICADES AT A 50' OFFSET FROM THE SOUTHERN AND WESTERN EDGE OF THE MAIN APRON AT 10 FOOT CENTERS AS SHOWN.
13. THE CONTRACTOR SHALL GIVE THE AIRPORT MANAGEMENT THREE DAYS NOTICE PRIOR TO STARTING ANY CONSTRUCTION WHICH WOULD NECESSITATE CLOSURE OF THE AIRFIELD PAVEMENTS. AIRPORT MANAGEMENT SHALL GIVE PROPER NOTICE (NOTAMS) TO THE NEAREST FAA FLIGHT SERVICE STATION PRIOR TO THE START OF CONSTRUCTION AND CLOSURE OF AIRFIELD PAVEMENTS.
14. THE OFZ IS 125' FROM THE CENTERLINE OF RUNWAY 4-22 WITH NO INNER TRANSITIONAL SURFACE.
15. THE RUNWAY SAFETY AREA WIDTH IS 150' FOR RUNWAY 4-22.
16. NO WORK SHALL BE PERFORMED WITHIN 125' OF THE ACTIVE RUNWAY CENTERLINE, WITHIN 58' OF AN ACTIVE TAXIWAY CENTERLINE, OR WITHIN 66' OF AN ACTIVE TAXIWAY CENTERLINE.

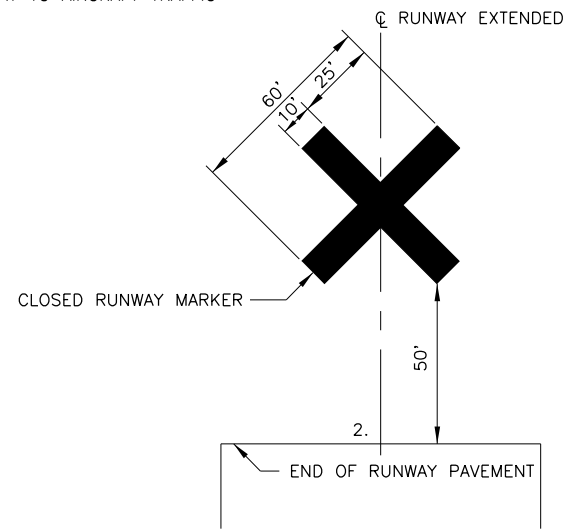
**GENERAL NOTES**

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 OR 811 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. - 7 & 8

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



**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.

**CS007**

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 PLOT DATE: 2/28/2019  
 SCALE: 600,0000' / in.  
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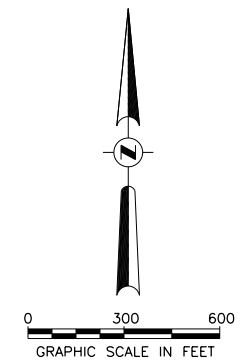
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 CASEY, ILLINOIS  
 RE-MARK RUNWAY 4-22, TAXIWAY A,  
 & TAXIWAY B  
 CONSTRUCTION SAFETY &  
 PHASING PLAN**

HEI PROJ. NO. 4238  
 ILL PROJ. NO. 1H8-4499  
 SBC PROJ. NO.  
 3-17-SBCP-111/120

**FINAL**

**2**

**SHEET 2 OF 4**



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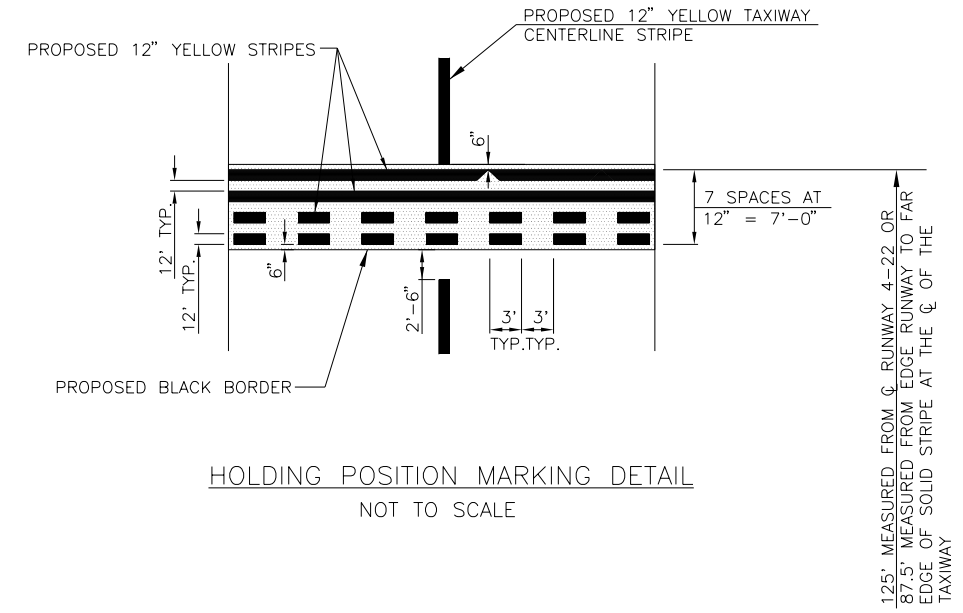
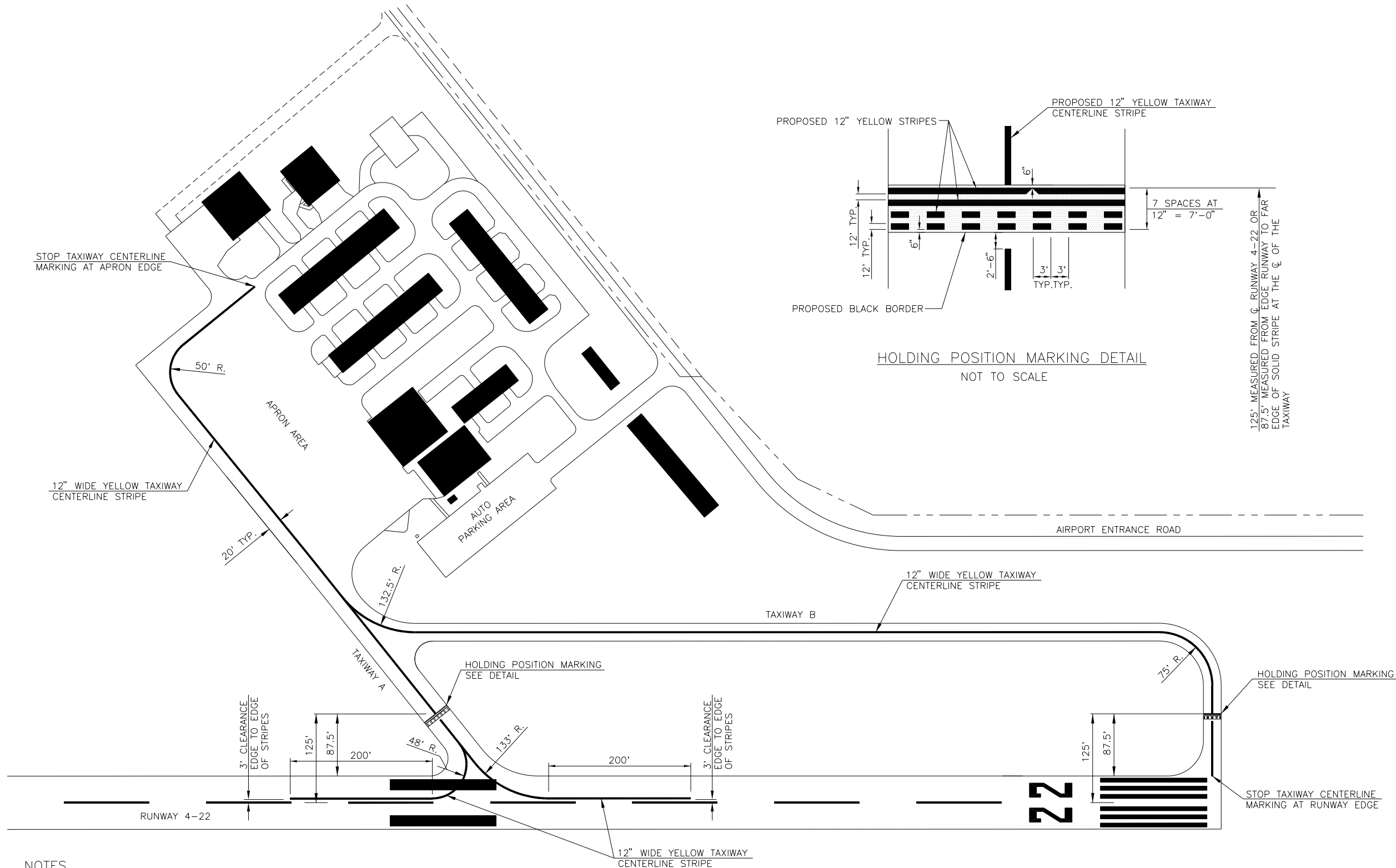


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 CASEY, ILLINOIS  
 RE-MARK RUNWAY 4-22, TAXIWAY A,  
 & TAXIWAY B  
 TAXIWAY MARKING LAYOUT**

HE1 PROJ. NO. 4238  
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**FINAL**  
**3**  
 SHEET 3 OF 4

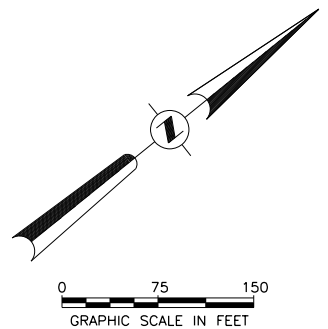


**NOTES**

1. ALL RUNWAY MARKING SHALL BE SOLID MARKING AND WHITE IN COLOR. THE RUNWAY MARKING SHALL BE OUTLINED WITH A SIX INCH WIDE BLACK BORDER. THE WHITE RUNWAY MARKING WILL BE APPLIED OVER THE EXISTING RUNWAY MARKING.
2. ALL TAXIWAY MARKING SHALL BE SOLID MARKING AND YELLOW IN COLOR. THE TAXIWAY MARKING WILL BE APPLIED OVER THE EXISTING TAXIWAY MARKING.
3. ALL THRESHOLD MARKINGS, AIMING POINT MARKINGS, RUNWAY NUMERALS, AND HOLDING POSITION MARKINGS SHALL BE SOLID MARKING AND WHITE IN COLOR. EACH SHALL BE APPLIED TO THE DIMENSIONS DESIGNATED IN THE RESPECTIVE DETAIL. EACH MARKING SHALL BE OUTLINED WITH A SIX INCH WIDE BLACK BORDER.
4. 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.
5. 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).

**MARKING SUMMARY**

DESCRIPTION	UNIT AREA	NUMBER REQ'D	YELLOW PAINT	BLACK PAINT
	SQ. FT.		SQ. FT.	SQ. FT.
TAXIWAY CENTERLINE STRIPES	2,891		2,891	
HOLDING POSITION MARKING (40' WIDE TWY.)	122-YELLOW 198-BLACK	1	122	198
HOLDING POSITION MARKING (24' ACTUAL TWY. WIDTH)	72-YELLOW 122-BLACK	1	72	120
TOTALS			3,085	318



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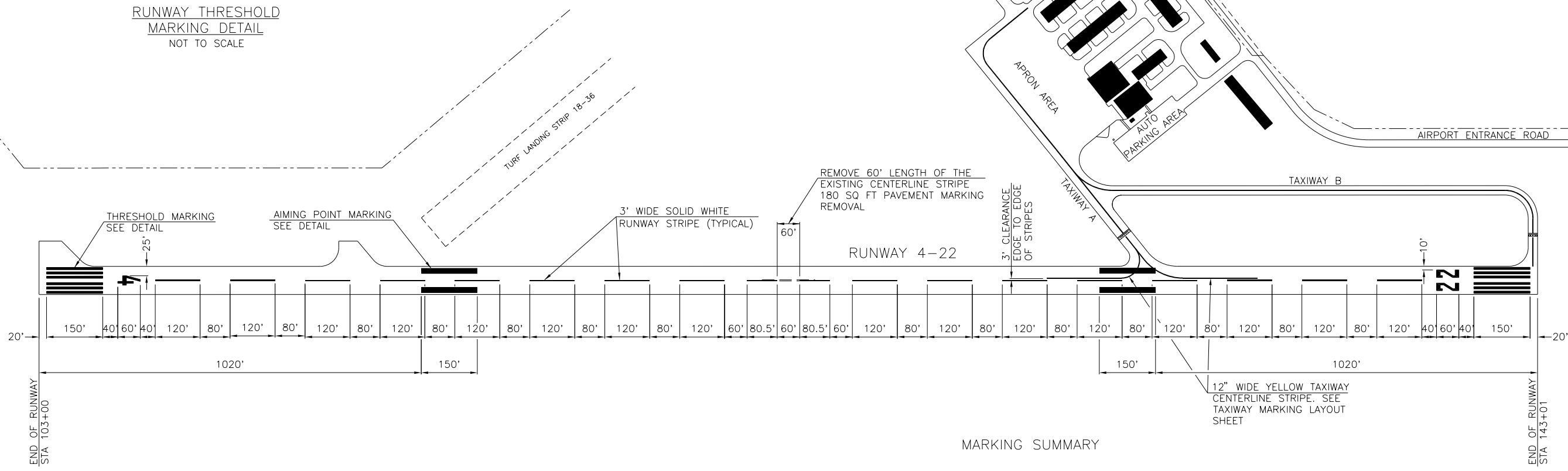
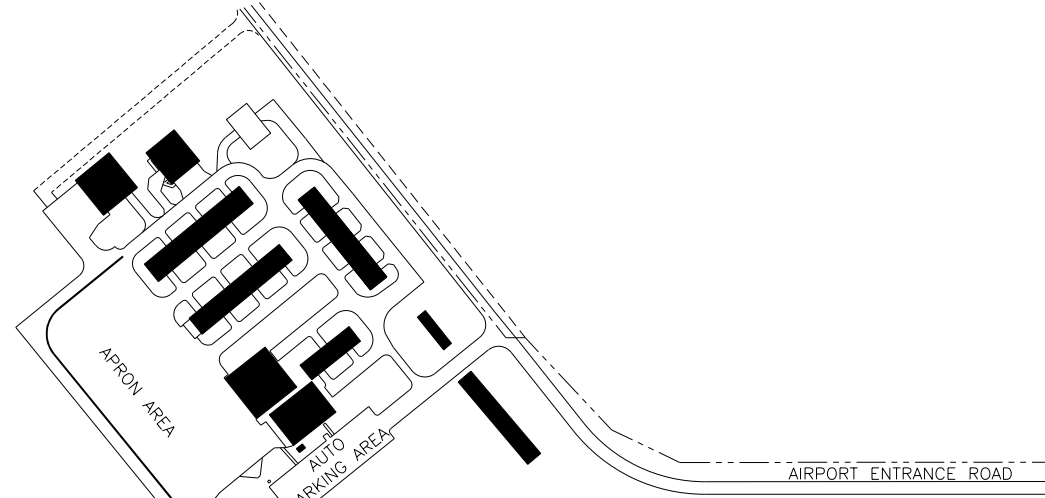
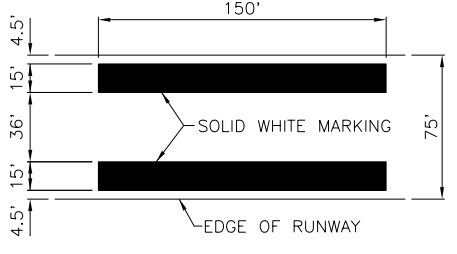
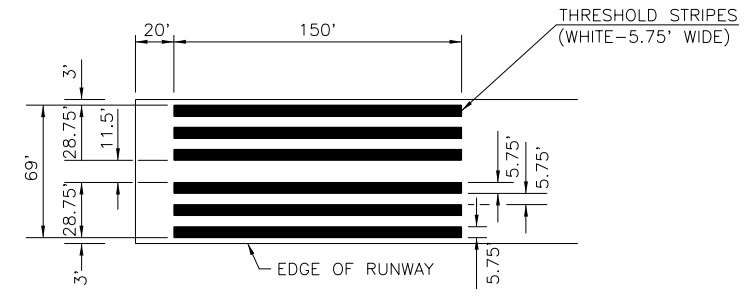
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**4**

**SHEET 4 OF 4**

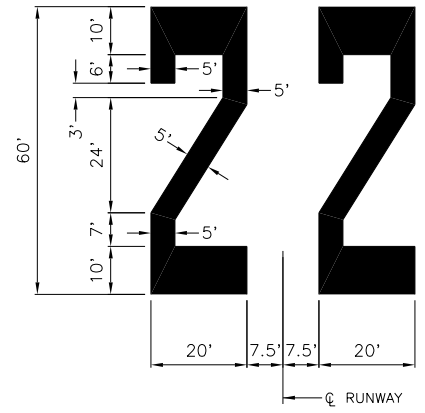
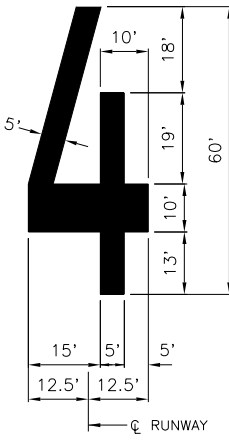
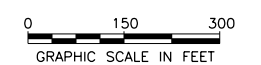
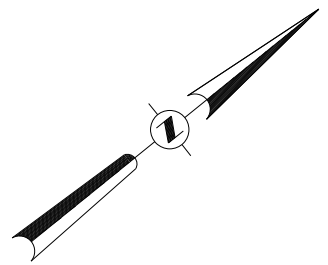


MARKING SUMMARY

DESCRIPTION	UNIT AREA SQ. FT.	NUMBER REQ'D	WHITE PAINT	BLACK PAINT
			SQ. FT.	SQ. FT.
NUMERAL "2"	652-WHITE 107-BLACK	2	1,304	214
NUMERAL "4"	602-WHITE 107-BLACK	1	602	107
THRESHOLD MARKING	5,175-WHITE 941-BLACK	2	10,350	1,882
AIMING POINT MARKING	4,500-WHITE 332-BLACK	2	9,000	664
RUNWAY CENTERLINE STRIPES (120' LONG)	360-WHITE 124-BLACK	16	5,760	1,984
RUNWAY CENTERLINE STRIPES (80.5' LONG)	241.5-WHITE 84.5-BLACK	2	483	169
TOTALS			27,499	5,020

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NUMERAL DETAILS  
 NOT TO SCALE