

LETTING ITEM NO. 06A
JANUARY 19, 2018 LETTING

CONSTRUCTION PLANS

CR005
TOTAL SHEETS: 5

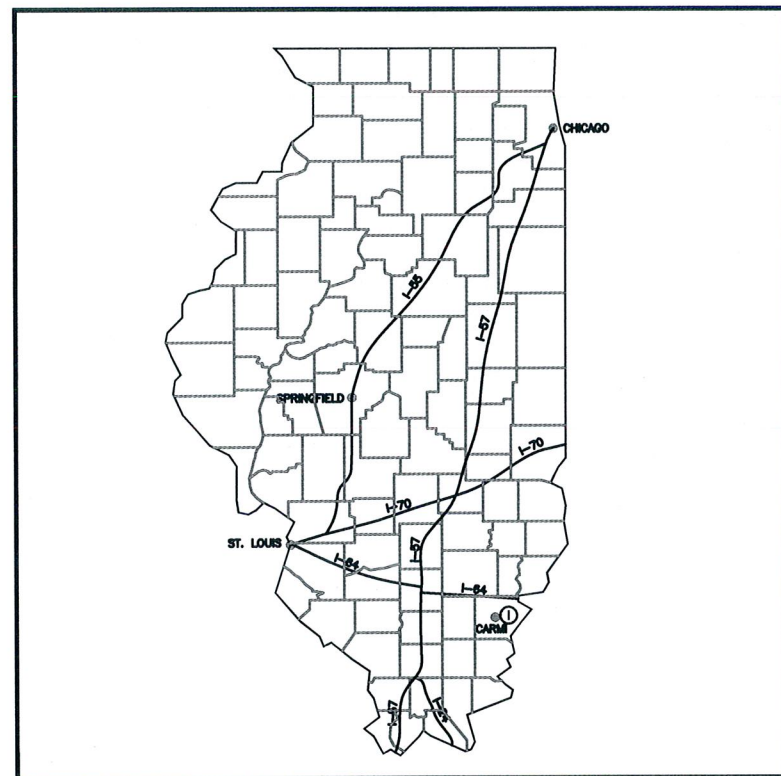
FOR

CARMI MUNICIPAL AIRPORT

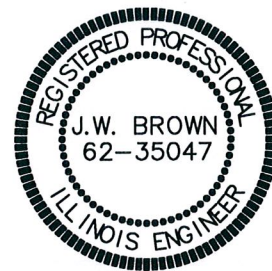
REMARK ALL RUNWAY PAVEMENT MARKINGS

ILLINOIS PROJECT NUMBER: CUL-4618
SBG PROJECT NUMBER: 3-17-SBGP-120

CARMI, ILLINOIS
WHITE COUNTY



LOCATION MAP



VICINITY MAP

BROWN AND ROBERTS, INC.
CONSULTING ENGINEER
PRESIDENT
SUBMITTED BY: *Jim W. Brown*
JIM W. BROWN, PRESIDENT
DATE SUBMITTED: 11/15/2017
LICENSE NUMBER: 062-035047
LICENSE EXPIRATION DATE: NOVEMBER 30, 2019

PLANS PREPARED BY:

BROWN AND ROBERTS, INC.
1 WESTRIDGE ROAD
HARRISBURG, IL. 62946
(618) 252-8111

CARMI MUNICIPAL AIRPORT
AIRPORT MANAGER
APPROVED BY: *Greg Brown*
GREG BROWN
DATE: 11/15/2017

INDEX OF SHEETS	
SHEET NUMBER	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, SUMMARY OF QUANTITIES AND MATERIAL SCHEDULES
3	RUNWAY SAFETY PLAN
4	RUNWAY 18-36 PLAN VIEW 1
5	RUNWAY 18-36 PLAN VIEW 2 AND TYPICAL DETAILS

SUMMARY OF QUANTITIES			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
AR150520	MOBILIZATION	L.S.	1
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	27500
AR620525	PAVEMENT MARKING - BLACK BORDER	S.F.	7500
AR620900	PAVEMENT MARKING REMOVAL	S.F.	3600

PAVEMENT MARKING REMOVAL SCHEDULE			
DESCRIPTION	UNIT AREA (SQ FT)	NO. REQ'D	TOTAL (SQ FT)
NUMERAL 18 REMOVAL	305	3	915
RUNWAY CENTERLINE STA. 55+00	360	1	360
RUNWAY CENTERLINE STA. 35+00	114	1	114
R36 AIMING LINES STA 28+50	300	2	600
R18 AIMING LINES STA 45+50	780	2	1560
	TOTAL REMOVAL		3549

PAVEMENT MARKING - BLACK BORDER SCHEDULE			
DESCRIPTION	UNIT AREA (SQ FT)	NO. REQ'D	TOTAL (SQ FT)
NUMERAL 1 OUTLINE	68	1	68
NUMERAL 8 OUTLINE	132	1	132
NUMERAL 3 OUTLINE	103	1	103
NUMERAL 6 OUTLINE	114	1	114
CENTERLINE STRIPE 120' OUTLINE	124	14	1736
CENTERLINE STRIPE 110' OUTLINE	114	4	456
AIMING LINE OUTLINE	116	4	464
THRESHOLD LINE OUTLINE	157	12	1884
TXY A1 HOLD POSITION MARKING	335	1	335
TXY A1 CENTERLINE - OUTLINE	167	1	167
TXY A2 HOLD POSITION MARKING	385	1	385
TXY A2 CENTERLINE - OUTLINE	764	1	764
TXY A3 HOLD POSITION MARKING	346	1	346
TXY A3 CENTERLINE - OUTLINE	158	1	158
	TOTAL BLACK BORDER		7112

PAVEMENT MARKING - WATERBORNE SCHEDULE			
DESCRIPTION	UNIT AREA (SQ FT)	NO. REQ'D	TOTAL (SQ FT)
NUMERAL 1	318	1	318
NUMERAL 8	876	1	876
NUMERAL 3	633	1	633
NUMERAL 6	712	1	712
CENTERLINE STRIPE - 120' x 3'	360	14	5040
CENTERLINE STRIPE - 110' x 3'	330	4	1320
AIMING LINES - 100' x 15'	1500	4	6000
THRESHOLD LINES - 150' x 5.75'	863	12	10356
	TOTAL WHITE		25255

HOLD POSITION MARKING - TWY A1	142	1	142
TAXIWAY A1 CENTERLINE	172	1	172
HOLD POSITION MARKING - TWY A2	152	1	152
TAXIWAY A-2 CENTERLINE	772	1	772
HOLD POSITION MARKING - TWY A3	134	1	134
TAXIWAY A-3 CENTERLINE	156	1	156
	TOTAL YELLOW		1528
	TOTAL WATERBORNE		26783

SCOPE OF WORK

THE PROJECT SCOPE CONSISTS OF RE-MARKING ALL RUNWAY PAVEMENT MARKINGS, ALONG WITH OTHER NECESSARY AND RELATED WORK.

PROPOSED SAFETY PLAN

GENERAL - THE CARMI MUNICIPAL AIRPORT CURRENTLY HAS A PAVED NORTH-SOUTH RUNWAY (4001-FT BY 75-FT).

ONCE RUNWAY 18/36 IS CLOSED, IT SHALL REMAIN CLOSED UNTIL THE RUNWAY RE-MARKING OPERATIONS HAVE BEEN COMPLETED. THE RUNWAY SHALL REMAIN CLOSED AT NIGHT DURING CONSTRUCTION.

CONTRACTOR'S RESPONSIBILITIES

IDENTIFICATION - THE CONTRACTOR'S VEHICLES AND EQUIPMENT SHALL BE PROPERLY MARKED WITH 3-FOOT SQUARE INTERNATIONAL ORANGE AND WHITE CHECKERED FLAGS ANYTIME THEY ARE ON AIRPORT PROPERTY.

THE CONTRACTOR AND HIS EMPLOYEES SHALL BE RESTRICTED TO THE WORK AREA.

EQUIPMENT PARKING AND STORAGE - THE CONTRACTOR'S EQUIPMENT PARKING, STORAGE, AND EMPLOYEE PARKING WILL BE AT THE LOCATION SHOWN ON THIS SHEET. ONLY CONTRACTOR VEHICLES AND EQUIPMENT REQUIRED FOR CONSTRUCTION WILL BE ALLOWED OUTSIDE THIS AREA.

BARRICADES AND TRAFFIC CONES - IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS REQUIRED AND AS DIRECTED BY THE RESIDENT ENGINEER. BARRICADES, THEIR MAINTENANCE, PLACEMENT, AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING PAVEMENTS CAUSED BY HIS PERSONNEL OR EQUIPMENT.

HAUL ROUTE AND EQUIPMENT PARKING

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND EQUIPMENT PARKING AREA SHOWN OF THIS SAFETY PLAN. THE PROPOSED EQUIPMENT PARKING AREA WILL BE APPROXIMATELY 80-FT BY 80-FT. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND PARKING AREA THROUGHOUT THE COURSE OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, ALL AREAS DISTURBED WILL BE RESTORED AS NEEDED TO ITS ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE AND EQUIPMENT PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

UTILITY NOTE

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES AND ORGANIZATIONS THAT HAVE LINES OR CONDUITS IN THE PROPOSED WORK AREA. ALL LINES AND CONDUITS SHALL BE LOCATED AND IDENTIFIED FOR DEPTH BEFORE ANY EXCAVATION BEGINS. THE CONTRACTOR SHALL CALL JULIE (1-800-892-0123) TO ACCOMPLISH THESE REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL NON-JULIE UTILITIES LOCATED WITHIN THE PROPOSED CONSTRUCTION LIMITS. THESE UTILITIES ARE TO BE LOCATED PRIOR TO THE START OF CONSTRUCTION.

J.U.L.I.E. INFORMATION

COUNTY.....WHITE
 CITY.....CARMIL
 TOWNSHIP/RNG.....T5S-R10E
 SECTION NO.....17
 NEAREST MAJOR ROAD INTERSECTION...ILLINOIS ROUTE 1 AND COUNTY HIGHWAY 5 (COUNTY ROAD 1500N)
 AIRPORT ADDRESS....CARMIL MUNICIPAL AIRPORT
 1379 COUNTY ROAD 1500 N
 CARMIL, IL 62821

NOTE:

THE 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 AT THE ENDS OF THE RUNWAY AND SECURED IN A MANNER APPROVED BY THE RESIDENT ENGINEER. THE PROPOSED CROSSES WILL BE PLACED WHEN 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 AT NO ADDITIONAL COST TO THE CONTRACT.

RUNWAY CLOSURE PROCEDURES:

- * CONTACT THE AIRPORT MANAGER OR HIS ASSIGNED REPRESENTATIVE.
- * ISSUANCE OF NOTAM BY THE AIRPORT MANAGER OR HIS ASSIGNED REPRESENTATIVE.
- * PLACEMENT OF CROSSES (SEE DETAIL THIS SHEET).
- * PLACEMENT OF LIGHTED BARRICADES. ONLY AT THE TIME THAT ALL OF THE ABOVE ARE COMPLETED MAY ANY CONSTRUCTION OPERATIONS WITHIN 200-FT OF THE AFFECTED RUNWAY CENTERLINE AND WITHIN 600 FT OF THE RUNWAY END BEGIN.
- * RUNWAY LIGHTS AND THE PRECISION APPROACH PATH INDICATORS (PAPI) SHALL BE DISABLED DURING CONSTRUCTION

RUNWAY RE-OPENING PROCEDURES:

- * REMOVE CROSSES.
- * REMOVE LIGHTED BARRICADES.
- * NOTIFY THE AIRPORT MANAGER OR HIS REPRESENTATIVE TO CANCEL THE NOTAM.
- * CANCELLATION OF THE NOTAM. A CLOSED RUNWAY WILL NOT BE RE-OPENED UNTIL ALL EQUIPMENT AND WORK ARE FURTHER THAN 200 FT. FROM THE AFFECTED RUNWAY CENTERLINE
- * RUNWAY LIGHTS AND THE PRECISION APPROACH PATH INDICATORS (PAPI) SHALL BE REACTIVATED.

HEIGHT OF CONSTRUCTION EQUIPMENT

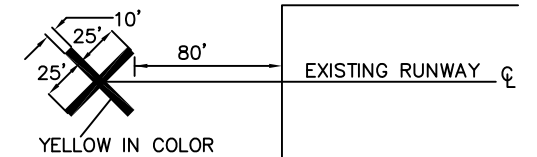
THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT IS 12 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A PAVEMENT MARKING SERVICE TRUCK.

AIRPORT SECURITY

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE PROPOSED HAUL ROUTE SHOWN ON THIS SAFETY PLAN IS THE ONLY ACCESS CONTRACTOR EQUIPMENT AND PERSONNEL WILL BE ALLOWED TO USE. THE CONTRACTOR SHALL PROVIDE BARRICADES AT THIS ACCESS AND ENSURE THE BARRICADES ARE IN PLACE AT THE END OF EACH WORKING DAY.

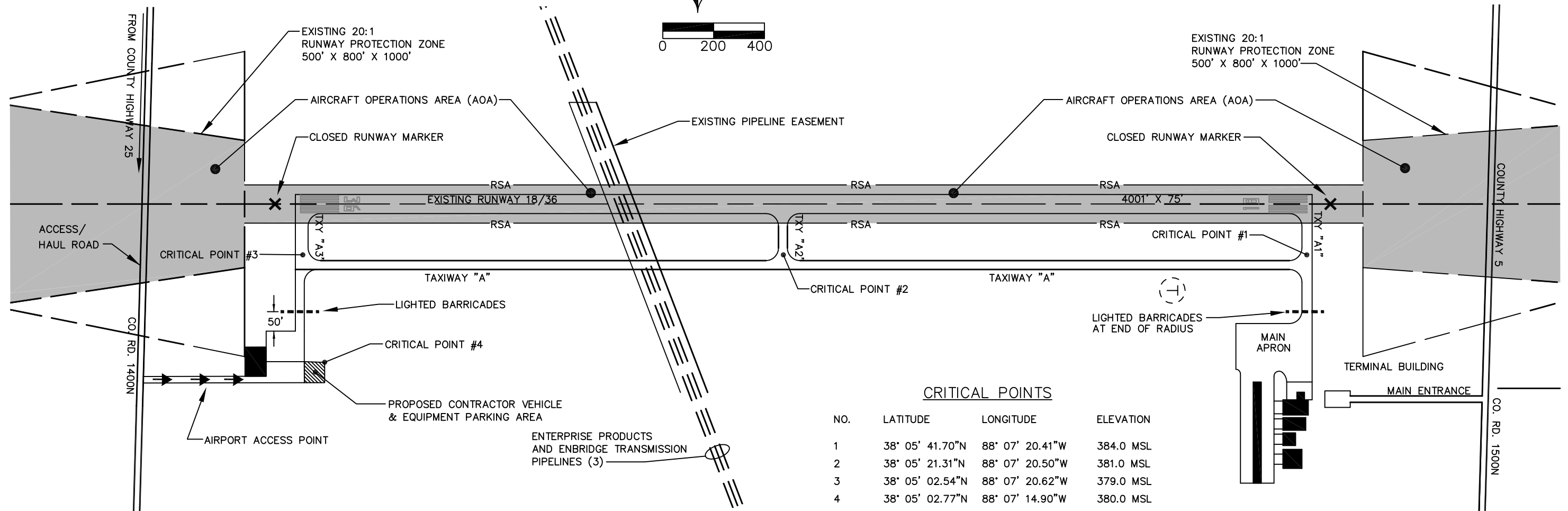
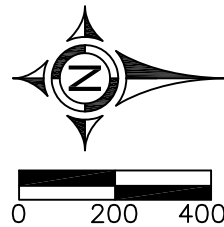
AIRCRAFT OPERATIONAL AREA

THE CONTRACTOR, HIS EMPLOYEES, OR ANY EQUIPMENT WILL NOT PROCEED WITH ANY WORK WITHIN THE AIRCRAFT OPERATIONAL AREA WITHOUT FIRST CLOSING THE RUNWAY.



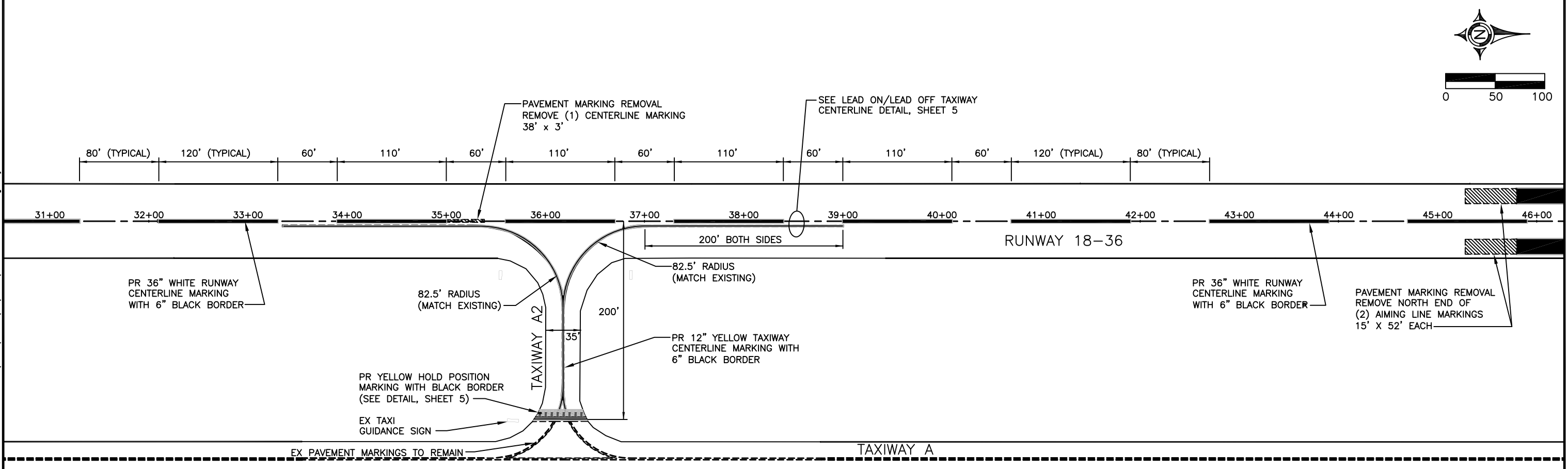
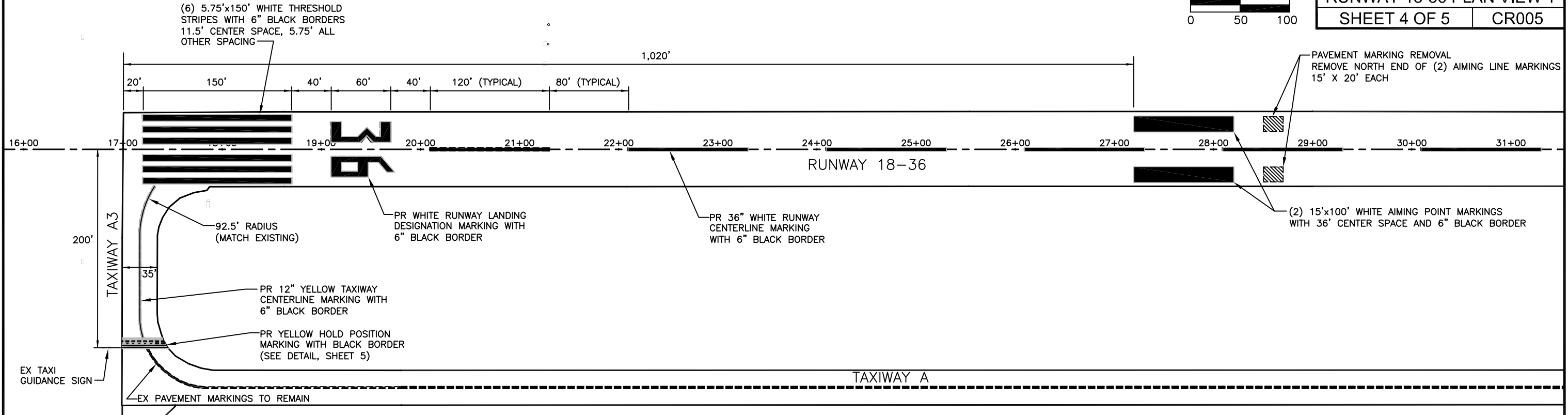
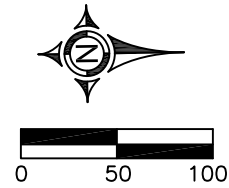
DETAIL OF CROSS FOR CLOSED RUNWAY

"NOT TO SCALE"

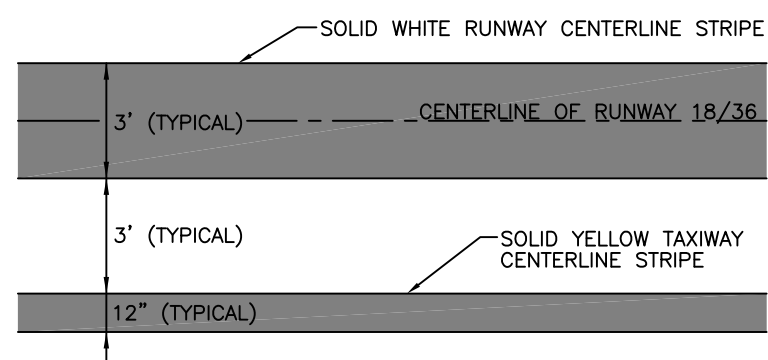
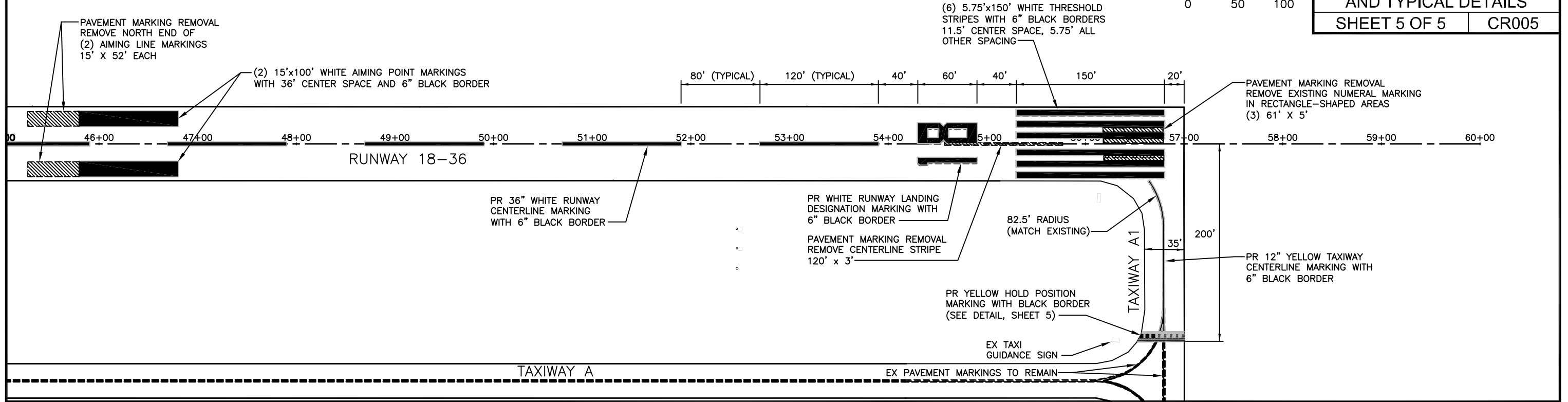
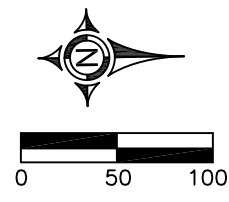


CRITICAL POINTS

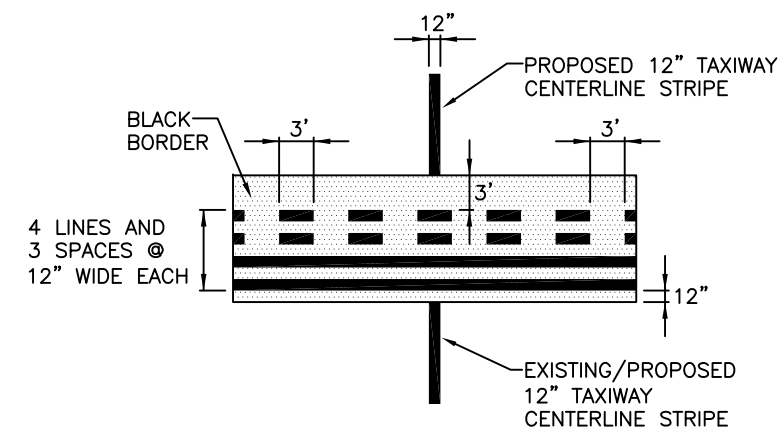
NO.	LATITUDE	LONGITUDE	ELEVATION
1	38° 05' 41.70"N	88° 07' 20.41"W	384.0 MSL
2	38° 05' 21.31"N	88° 07' 20.50"W	381.0 MSL
3	38° 05' 02.54"N	88° 07' 20.62"W	379.0 MSL
4	38° 05' 02.77"N	88° 07' 14.90"W	380.0 MSL



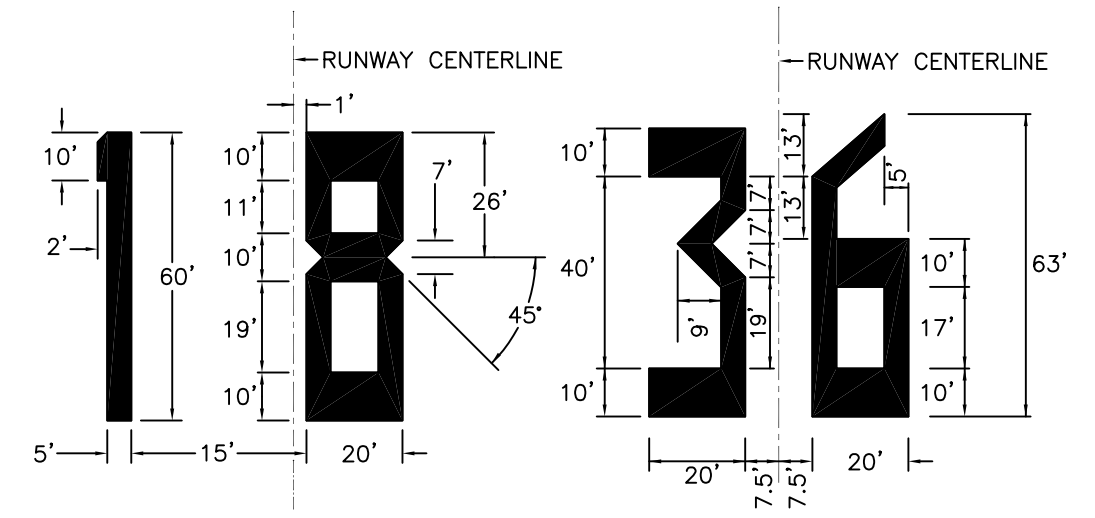
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LEAD ON/LEAD OFF TAXIWAY
 CENTERLINE DETAIL
 N.T.S.



RUNWAY HOLDING POSITION MARKING
 N.T.S.



RUNWAY DESIGNATION NUMERALS
 N.T.S.

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