

LETTING ITEM NO. 07A
JANUARY 19, 2018 LETTING

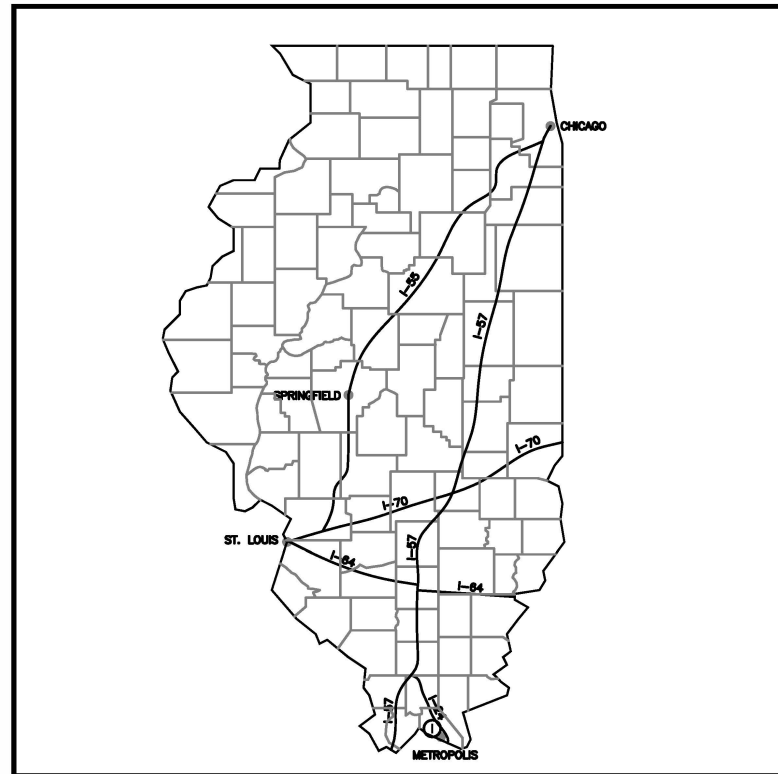
CONSTRUCTION PLANS

MP008
TOTAL SHEETS: 6

FOR

METROPOLIS MUNICIPAL AIRPORT

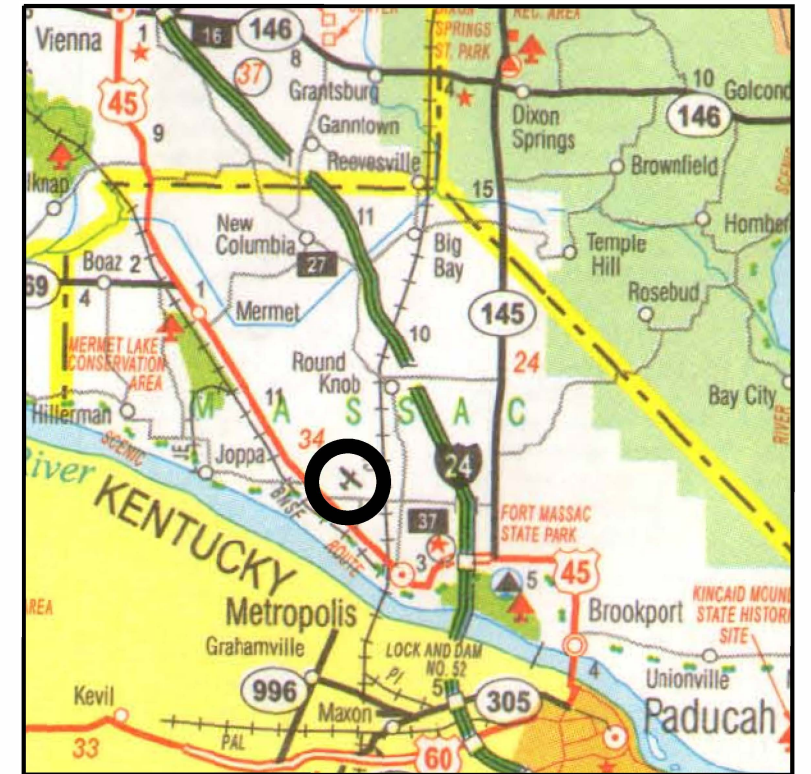
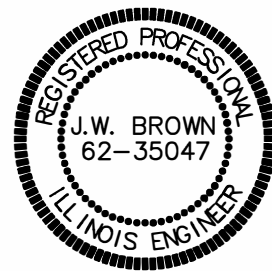
REHABILITATION OF RUNWAY 18/36
INCLUDING CRACK SEALING,
PAVEMENT REJUVENATION,
AND PAVEMENT MARKING



LOCATION MAP

ILLINOIS PROJECT NUMBER: M30-4572
SBG PROJECT NUMBER: 3-17-SBGP-105/120/133

METROPOLIS, ILLINOIS
MASSAC COUNTY



VICINITY MAP

BROWN AND ROBERTS, INC.
CONSULTING ENGINEER
PRESIDENT
SUBMITTED BY: *Jim W. Brown*
JIM W. BROWN, PRESIDENT
DATE SUBMITTED: 11/14/2017
LICENSE NUMBER: 062-035047
LICENSE EXPIRATION DATE: NOVEMBER 30, 2017

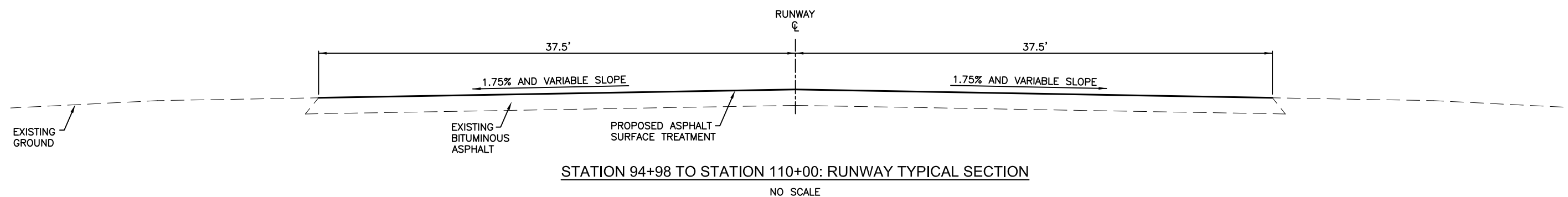
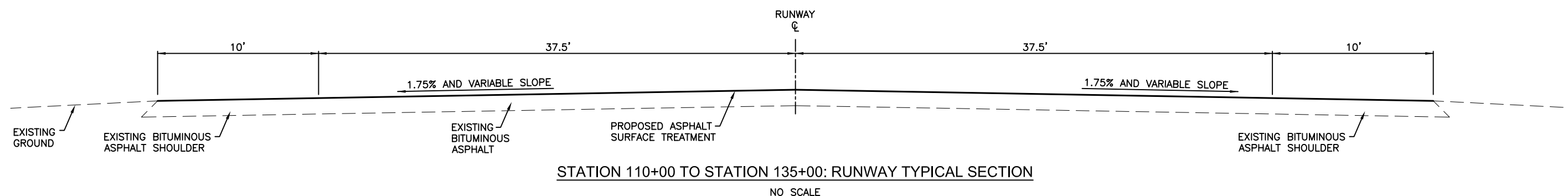
PLANS PREPARED BY:

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

METROPOLIS MUNICIPAL AIRPORT
MAYOR
APPROVED BY: *Billy McDaniel*
BILLY MCDANIEL
DATE: 11/14/2017

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

SUMMARY OF QUANTITIES			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
AR150520	MOBILIZATION	L.S.	1
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	25500
AR608510	EXISTING ASPHALT SURFACE TREATMENT	S.Y.	43000
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	25000
AR620525	PAVEMENT MARKING - BLACK BORDER	S.F.	1800



SCOPE OF WORK

THE PROJECT SCOPE CONSISTS OF CRACK SEALING, PAVEMENT REJUVENATION AND RE-MARKING THE RUNWAY, ALONG WITH OTHER NECESSARY AND RELATED WORK.

PROPOSED SAFETY PLAN

GENERAL - THE METROPOLIS MUNICIPAL AIRPORT CURRENTLY HAS A PAVED NORTH-SOUTH RUNWAY (4002-FT BY 75-FT).

ONCE RUNWAY 18/36 IS CLOSED FOR APPLICATION OF THE PAVEMENT REJUVENATOR, 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 ON THIS SAFETY PLAN. THE PROPOSED EQUIPMENT PARKING AREA WILL BE TWO AREAS APPROXIMATELY 100-FT BY 20-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.....MASSAC
 CITY.....METROPOLIS
 TOWNSHIP/RNG.....T15S-R4E
 SECTION NO.....27
 NEAREST MAJOR ROAD INTERSECTION...U.S. ROUTE 45 AND AIRPORT ROAD
 AIRPORT ADDRESS.....METROPOLIS MUNICIPAL AIRPORT
 751 AIRPORT ROAD
 METROPOLIS, IL 62960

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 SHALL BE DISABLED

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 SHALL BE REACTIVATED.

HEIGHT OF CONSTRUCTION EQUIPMENT

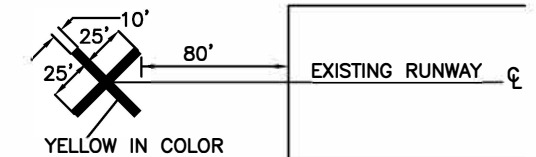
THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT IS 12 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE THE PAVEMENT REJUVENATOR DISTRIBUTOR TRUCK.

AIRPORT SECURITY

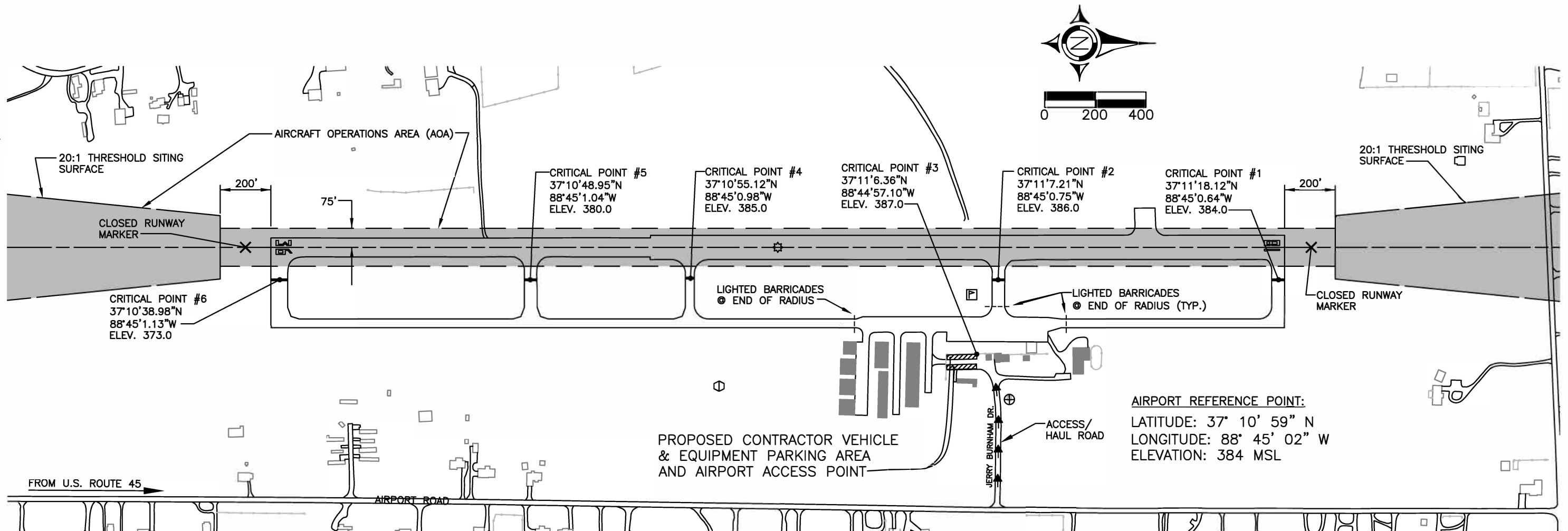
AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE PROPOSED HAUL ROUTE SHOWN ON THIS SAFETY PLAN IS THE ONLY ACCESS CONTRACTOR EQUIPMENT AND PERSONNEL WILL BE ALLOWED TO USE. THE CONTRACTOR SHALL PROVIDE BARRICADES AT THIS ACCESS AND ENSURE THE BARRICADES ARE IN PLACE AT THE END OF EACH WORKING DAY.

AIRCRAFT OPERATIONAL AREA

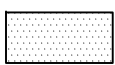
THE CONTRACTOR, HIS EMPLOYEES, OR ANY EQUIPMENT WILL NOT PROCEED WITH ANY WORK WITHIN THE AIRCRAFT OPERATIONAL AREA WITHOUT FIRST CLOSING THE RUNWAY.

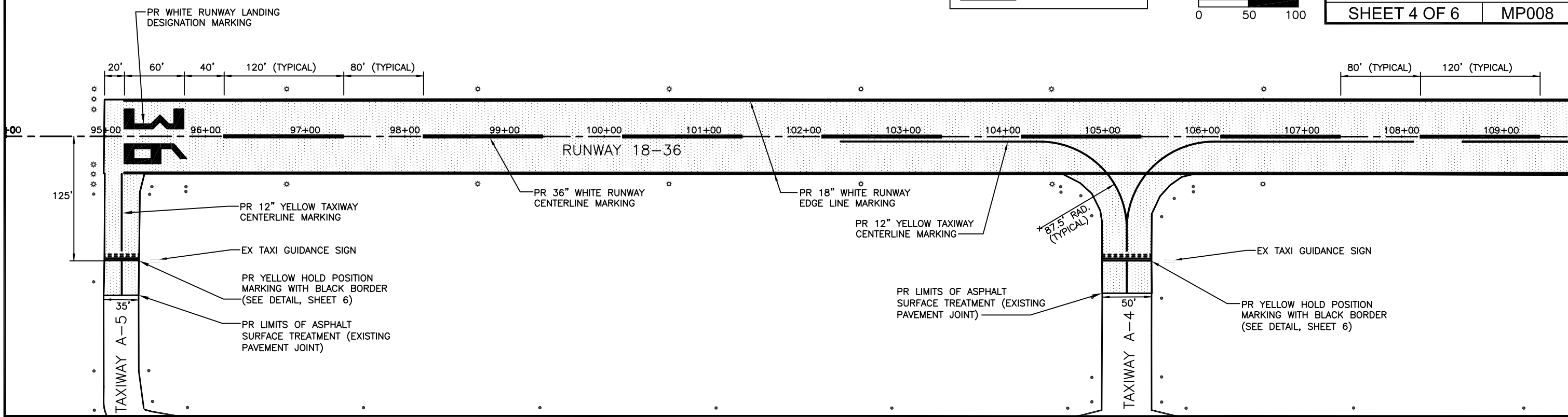
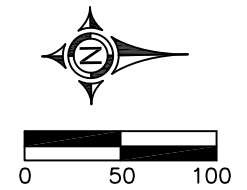


DETAIL OF CROSS FOR CLOSED RUNWAY
 NOT TO SCALE




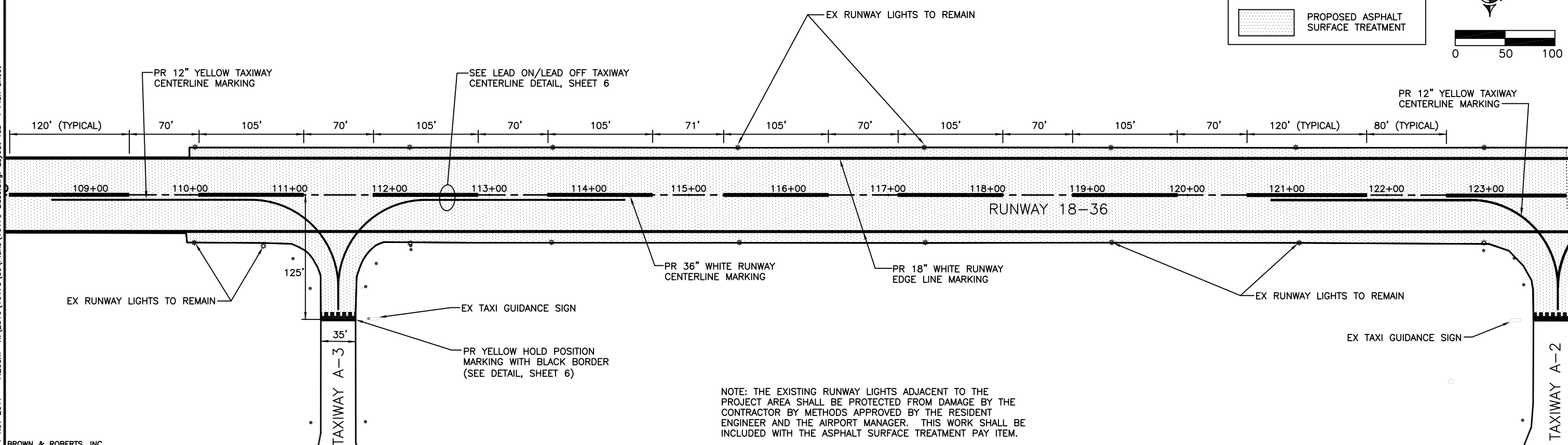
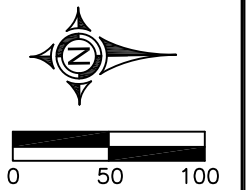
LEGEND

 PROPOSED ASPHALT SURFACE TREATMENT



LEGEND


 PROPOSED ASPHALT SURFACE TREATMENT

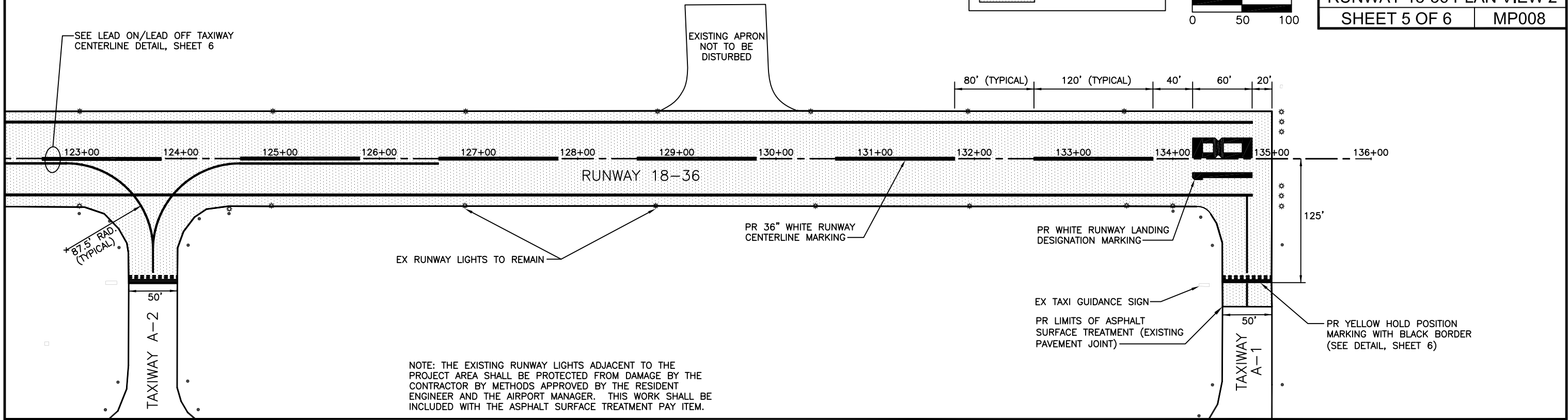
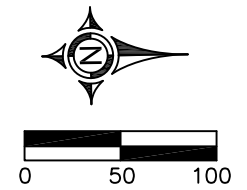


NOTE: THE EXISTING RUNWAY LIGHTS ADJACENT TO THE PROJECT AREA SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR BY METHODS APPROVED BY THE RESIDENT ENGINEER AND THE AIRPORT MANAGER. THIS WORK SHALL BE INCLUDED WITH THE ASPHALT SURFACE TREATMENT PAY ITEM.

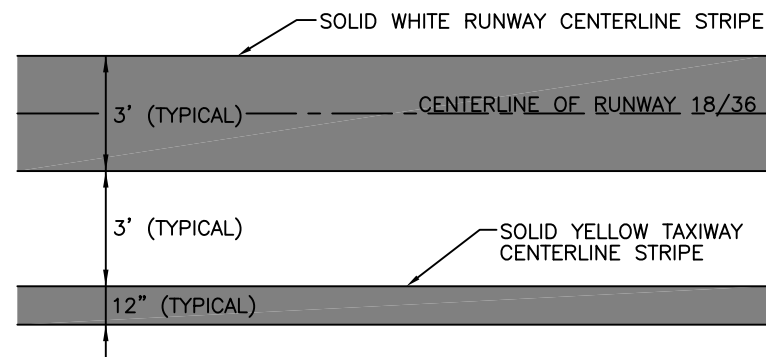
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LEGEND

 PROPOSED ASPHALT SURFACE TREATMENT



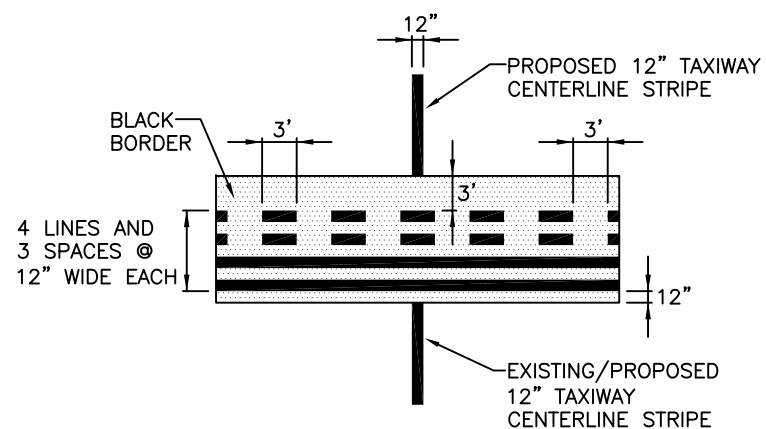
DESCRIPTION	UNIT AREA (SQ FT)	NO. REQ'D	TOTAL (SQ FT)
HOLD POSITION MARKING - TWY A-1	396	1	396
HOLD POSITION MARKING - TWY A-2	396	1	396
HOLD POSITION MARKING - TWY A-3	279	1	279
HOLD POSITION MARKING - TWY A-4	396	1	396
HOLD POSITION MARKING - TWY A-5	279	1	279
TOTAL BLACK BORDER			1746



LEAD ON/LEAD OFF TAXIWAY
 CENTERLINE DETAIL

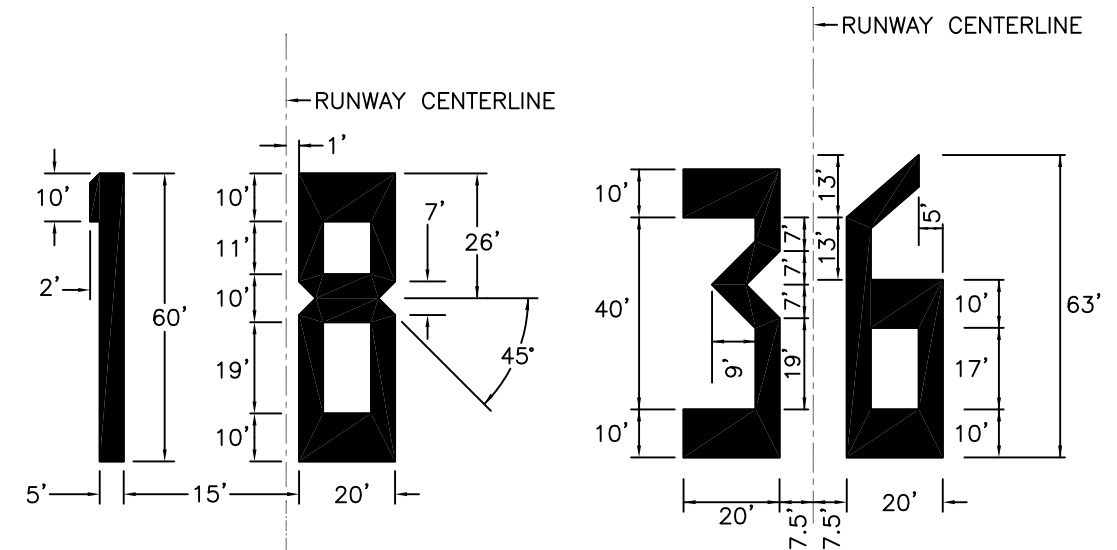
N.T.S.

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 - 105' x 3'	315	6	1890
RUNWAY EDGE LINE 18"	5943	2	11886
TOTAL WHITE			21355
HOLD POSITION MARKING - TWY A-1	154	1	154
TAXIWAY A-1 CENTERLINE	102	1	102
HOLD POSITION MARKING - TWY A-2	154	1	154
TAXIWAY A-2 CENTERLINE	692	1	692
HOLD POSITION MARKING - TWY A-3	106	1	106
TAXIWAY A-3 CENTERLINE	692	1	692
HOLD POSITION MARKING - TWY A-4	154	1	154
TAXIWAY A-4 CENTERLINE	724	1	724
HOLD POSITION MARKING - TWY A-5	106	1	106
TAXIWAY A-5 CENTERLINE	112	1	112
TOTAL YELLOW			2996
TOTAL WATERBORNE			24351



RUNWAY HOLDING POSITION MARKING

N.T.S.



RUNWAY DESIGNATION NUMERALS

N.T.S.