

CONSTRUCTION PLANS

REMARK RUNWAY 9-27 AND ASSOCIATED AIRFIELD PAVEMENTS

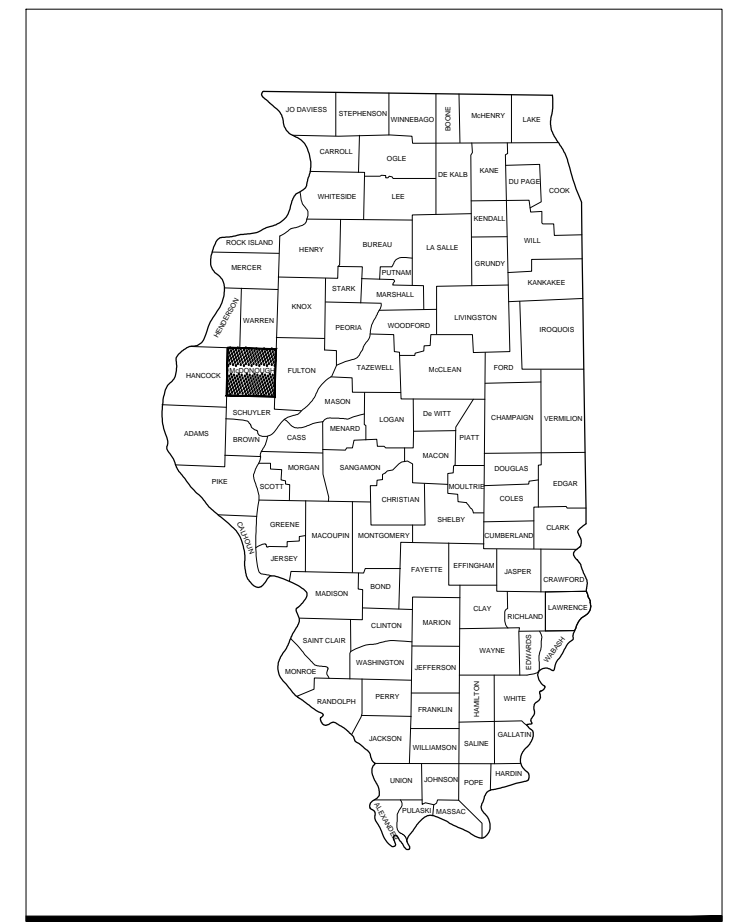
**MACOMB MUNICIPAL AIRPORT (MQB)
MACOMB, McDONOUGH COUNTY, ILLINOIS**

**IDA PROJECT NO.: MQB-4381
SBG PROJECT NO.: 3-17-SBGP-120N**

VICINITY MAP



LOCATION MAP



NOTICE TO CONTRACTORS AND BIDDERS

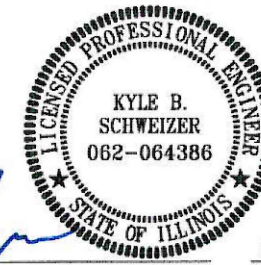
THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.

No.	Issue/Description	Sheets Changed	Date	By

PLANS PREPARED BY:



HANSON PROFESSIONAL SERVICES INC.
1525 S. Sixth St.
Springfield, Illinois 62703
Telephone: 217.788.2450
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Date of Plans
Kyle B. Schweizer
Kyle B. Schweizer, P.E.
Project Engineer
Lics. Exp. - 11/30/17
03 JUN 2016
Date



MACOMB MUNICIPAL AIRPORT
16190 East 1300th Street
Macomb, Illinois 61455
Telephone: 309.833.3324
Fax: 309.836.7721

Lee Cobb
Lee Cobb
Airport Manager
03 JUN 2016
Date



INDEX TO SHEETS	
SHEET NO.	SHEET TITLE
1	COVER SHEET
2	SUMMARY OF QUANTITIES, INDEX TO SHEETS, AND GENERAL NOTES
3	CONSTRUCTION SAFETY PLAN
4	RUNWAY MARKING PLAN - STA. 100+00 TO STA. 126+00
5	RUNWAY MARKING PLAN - STA. 126+00 TO STA. 151+00
6	TAXIWAY MARKING PLAN - SHEET 1
7	TAXIWAY MARKING PLAN - SHEET 2
8	MARKING DETAILS

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	42,752	
AR620525	PAVEMENT MARKING-BLACK BORDER	S.F.	16,646	
AR620900	PAVEMENT MARKING REMOVAL	S.F.	500	

GENERAL NOTES

- PROJECT DESCRIPTION:** THIS PROJECT SHALL CONSIST OF REMARKING THE EXISTING RUNWAY 9/27 AND THE ASSOCIATED AIRFIELD PAVEMENTS INCLUDING TAXIWAYS AND THE GENERAL AVIATION RAMP AT THE MACOMB MUNICIPAL AIRPORT.
- THE PROJECT PAY ITEMS ARE INTENDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER/RESIDENT TECHNICIAN IS TO BE INCLUDED IN THE COSTS OF PERFORMING THESE ITEMS. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS.
- THE RULES, REGULATIONS, AND SPECIFICATIONS ENUMERATED HEREIN SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. THEY SHALL NOT PROHIBIT THE CONTRACTOR FROM FURNISHING AND INSTALLING HIGHER GRADES OF MATERIAL THAN ARE SPECIFIED HEREIN, IF APPROVED BY THE ENGINEER.
- ACCESS TO THE SITE SHALL BE RESTRICTED EXCLUSIVELY TO THE DESIGNATED CONSTRUCTION ENTRANCE, STAGING AREA, AND HAUL ROUTE. NO EQUIPMENT OR PERSONNEL SHALL BE PERMITTED OUTSIDE THE GENERAL PROJECT AREA.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND KEEP CLEAN OF DEBRIS ALL EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. ANY DAMAGE TO EXISTING UTILITY, DRAINAGE, AND PAVEMENT STRUCTURES SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE CONTRACT.
- THE CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR HAULING ON PUBLIC ROADS, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGES TO ANY PAVEMENTS (PUBLIC OR PRIVATE) CAUSED BY HIS/HER EQUIPMENT OR PERSONNEL.
- NPDES PERMIT** - THIS PROJECT WILL NOT DISTURB MORE THAN 1 ACRE, THEREFORE NO NPDES PERMIT IS REQUIRED.
- MATERIAL CERTIFICATIONS** - MATERIAL TO BE INCORPORATED INTO THE PROJECT **CANNOT** BE USED WITHOUT PRIOR APPROVAL. ALL MATERIAL TO BE USED IN THE PROJECT MUST BE SUBMITTED TO THE RESIDENT ENGINEER/RESIDENT TECHNICIAN FOR APPROVAL. USE OF MATERIAL WITHOUT PRIOR APPROVAL AND ULTIMATELY DETERMINED TO BE UNACCEPTABLE BY THE ILLINOIS DIVISION OF AERONAUTICS ARE SUBJECT TO REMOVAL AND/OR NON-PAYMENT.
- CERTIFIED PAYROLLS** - THE RESIDENT ENGINEER/RESIDENT TECHNICIAN **CANNOT** FORWARD A CONSTRUCTION REPORT FOR PAYMENT TO THE IDOT-DIVISION OF AERONAUTICS FOR PROCESSING UNTIL **ALL** CERTIFIED PAYROLLS FOR THAT PERIOD HAVE BEEN RECEIVED.

UTILITY NOTE

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

J.U.L.I.E. INFORMATION

COUNTY _____ McDONOUGH
CITY _____ MACOMB
TOWNSHIP _____ MACOMB T-6-N, R-2-W
SECTION NO. _____ 7 & 8
ADDRESS _____ MACOMB MUNICIPAL AIRPORT
16190 EAST 1300TH ST.
MACOMB, ILLINOIS 61455

REMARK RUNWAY 9-27
AND ASSOCIATED
AIRFIELD PAVEMENTS

SBG No: 3-17-SBGP-120N
IDA No: MBQ-4381

Contract No.: MB031

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 3, 2016
PROJECT NO: 15A0104
CAD FILE: C-002FLP.DWG
DESIGN BY: KBS
DRAWN BY: RAD
REVIEWED BY: KBS 05/04/2016

SHEET TITLE

SUMMARY OF
QUANTITIES, INDEX
TO SHEETS, AND
GENERAL NOTES

CONSTRUCTION SAFETY NOTES

- ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR AC 150/5370-2 (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN, OR AS MODIFIED BY THE OWNER THROUGH THE RESIDENT ENGINEER/TECHNICIAN.
- ALL COSTS ASSOCIATED WITH THE WORK AND MATERIALS INVOLVING CONSTRUCTION SAFETY & PHASING AS SHOWN OR DESCRIBED IN THE CONTRACT DOCUMENTS, OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN OR AIRPORT MANAGER THROUGHOUT THE PROJECT, SHALL BE INCIDENTAL TO THE CONTRACT.
- AIRFIELD SAFETY ASSURANCE** - AIRFIELD SAFETY SHALL BE HELD PARAMOUNT AT ALL TIMES. ANY INDIVIDUALS RESPONSIBLE FOR INCURSIONS OR POTENTIAL INCURSIONS WITH AIR TRAFFIC DUE TO NON-COMPLIANCE WITH REQUIREMENTS SET FOR IN THESE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND FAA ADVISORY CIRCULAR 150/5370-2F WILL BE SUBJECT TO AN IMMEDIATE SUSPENSION OF DRIVING PRIVILEGES ON THE AIRPORT OR A COMPLETE RESTRICTION OF ACCESS TO THE AIRFIELD ALTOGETHER. THE AIRPORT MANAGER OR RESIDENT ENGINEER/TECHNICIAN MAY STOP THE WORK AT ANY TIME THEY BELIEVE AIRFIELD SAFETY IS BEING COMPROMISED.
- THE CONTRACTOR SHALL PROVIDE THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN WITH CONTACT INFORMATION FOR A PERSON ON CALL 24 HOURS A DAY FOR EMERGENCY MAINTENANCE OF BARRICADES AND HAZARD LIGHTING.
- ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PRESCRIBED CONSTRUCTION AREA IS REQUIRED TO DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED OR A ROTATING BEACON (STROBE) AS SPECIFIED IN AC 150/5210-5, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT" (CURRENT EDITION).
- CLOSED AIRFIELD WORK AREAS, OPEN TRENCHES, AND OTHER HAZARDOUS AREAS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH LIGHTED BARRICADES WITH STEADY BURNING OR FLASHING RED LIGHTS AS SPECIFIED IN 150/5370-2, "OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION, LATEST EDITION. LIGHTED BARRICADES MUST BE NO TALLER THAN 18" (EXCLUSIVE OF SUPPLEMENTARY LIGHTS AND FLAGS) ON THE TAXIWAYS AND COMPLY WITH ADVISORY CIRCULAR 150/5370-2, LATEST EDITION. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- NO PAVEMENT EDGE DROP-OFFS GREATER THAN 3" ARE ALLOWED TO REMAIN ON ANY ACTIVE AIRFIELD PAVEMENT AREA. TEMPORARY EARTH SHOULDERS SHALL BE PLACED IF AN INCOMPLETE AREA IS TO BE REOPENED TO AIRCRAFT TRAFFIC.
- AIRPORT SECURITY** - AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. NO CONTRACTOR PERSONNEL OR EQUIPMENT WILL BE PERMITTED OUTSIDE OF THE CONSTRUCTION LIMITS DEPICTED ON THESE PLANS. PERSONAL VEHICLES OF CONTRACTOR EMPLOYEES SHALL BE PARKED IN THE DESIGNATED STAGING AREA AND ARE NOT ALLOWED ACCESS ON THE SITE. THE CONTRACTOR WILL CLOSE AND LOCK THE GATE AT THE DESIGNATED CONSTRUCTION ENTRANCE AT THE END OF EACH DAY.
- NO CONSTRUCTION EQUIPMENT GREATER THAN 12' TALL WILL BE PERMITTED ON THE AIRPORT WITHOUT THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL BY THE FAA.
- SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRUCKED ONTO AIRPORT ROADS, TAXIWAYS, AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO SUCH SURFACES, SHALL BE IMMEDIATELY SWEEPED, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAINTAINING AIRPORT LIGHTING AND NAVIGATIONAL ELECTRICAL SYSTEMS DURING CONSTRUCTION. A CONTACT PERSON AND TELEPHONE NUMBER FOR 24 HOUR EMERGENCY IMMEDIATE REPAIR SHALL BE SUBMITTED TO THE AIRPORT MANAGER AND ENGINEER. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER AS NECESSARY TO CONTROL DUST.
- RADIO CONTROL** - THE CONTRACTOR WILL BE REQUIRED TO REMAIN CONSTANT TWO-WAY RADIO CONTACT WITH THE MACOMB MUNICIPAL AIRPORT UNICOM (122.8 MHz) AT ALL TIMES WHILE HE HAS PERSONNEL OR EQUIPMENT ON THE AIRFIELD.

CRITICAL POINTS						
POINT #	DESCRIPTION	LATITUDE	LONGITUDE	GRND. ELEV. (MSL)	HEIGHT (AGL)	
1	MARKING TRUCK	N040° 31' 10.855"	W090° 39' 12.912"	686.0	12	
2	MARKING TRUCK	N040° 31' 10.851"	W090° 39' 09.678"	685.0	12	
3	MARKING TRUCK	N040° 31' 09.637"	W090° 39' 27.873"	695.0	12	
4	MARKING TRUCK	N040° 31' 09.622"	W090° 39' 14.694"	686.0	12	
5	MARKING TRUCK	N040° 31' 09.601"	W090° 38' 56.157"	682.0	12	
6	MARKING TRUCK	N040° 31' 09.573"	W090° 38' 34.014"	678.0	12	
7	MARKING TRUCK	N040° 31' 06.902"	W090° 39' 12.923"	686.0	12	
8	MARKING TRUCK	N040° 31' 06.897"	W090° 39' 09.685"	685.0	12	

CONSTRUCTION SAFETY PLAN

GENERAL - THE MACOMB MUNICIPAL AIRPORT IS COMPRISED OF PAVED RUNWAY 9/27, AND TURF RUNWAY 18/36. THE PROPOSED CONSTRUCTION WILL REQUIRE DAYTIME CLOSURES OF RUNWAY 9/27 AND ITS ASSOCIATED TAXIWAYS WHEN WORKING WITHIN "WORK AREA 1" AS DELINEATED ON THE PLAN SHEET. RUNWAY 18/36 AND THE GA RAMP WILL ALSO REQUIRE CLOSURE WHILE MARKING IS BEING COMPLETED IN "WORK AREA 2" AS SHOWN. NO OVERNIGHT OR WEEKEND CLOSURES WILL BE PERMITTED.

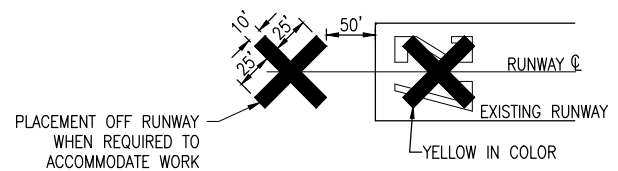
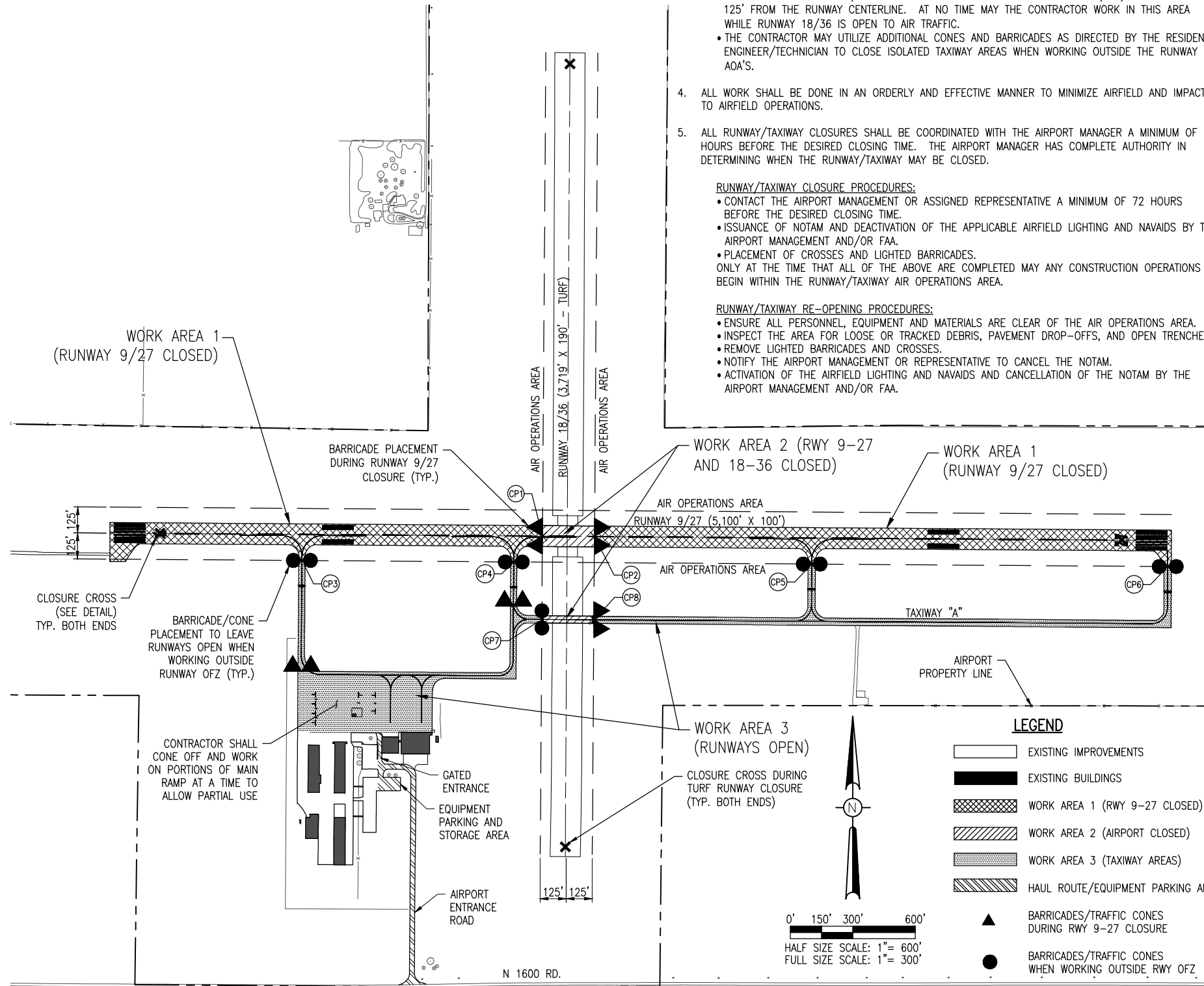
- PROJECT DESCRIPTION:** THIS PROJECT SHALL CONSIST OF REMARKING THE EXISTING RUNWAY 9/27 AND THE ASSOCIATED AIRFIELD PAVEMENTS INCLUDING TAXIWAYS AND THE GENERAL AVIATION RAMP.
- AIR OPERATIONS AREA (AOA)**
 - THE AIR OPERATIONS AREA (AOA) FOR RUNWAY 9/27 IS GOVERNED BY THE OBSTACLE FREE ZONE (OFZ) TO A WIDTH OF 125' FROM THE RUNWAY CENTERLINE. AT NO TIME MAY THE CONTRACTOR WORK IN THIS AREA WHILE RUNWAY 9/27 IS OPEN TO AIR TRAFFIC.
 - THE AOA FOR RUNWAY 18/36 IS GOVERNED BY THE OBSTACLE FREE ZONE (OFZ) TO A WIDTH OF 125' FROM THE RUNWAY CENTERLINE. AT NO TIME MAY THE CONTRACTOR WORK IN THIS AREA WHILE RUNWAY 18/36 IS OPEN TO AIR TRAFFIC.
 - THE CONTRACTOR MAY UTILIZE ADDITIONAL CONES AND BARRICADES AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN TO CLOSE ISOLATED TAXIWAY AREAS WHEN WORKING OUTSIDE THE RUNWAY AOA'S.
- ALL WORK SHALL BE DONE IN AN ORDERLY AND EFFECTIVE MANNER TO MINIMIZE AIRFIELD AND IMPACTS TO AIRFIELD OPERATIONS.
- ALL RUNWAY/TAXIWAY CLOSURES SHALL BE COORDINATED WITH THE AIRPORT MANAGER A MINIMUM OF 72 HOURS BEFORE THE DESIRED CLOSING TIME. THE AIRPORT MANAGER HAS COMPLETE AUTHORITY IN DETERMINING WHEN THE RUNWAY/TAXIWAY MAY BE CLOSED.

RUNWAY/TAXIWAY CLOSURE PROCEDURES:

- CONTACT THE AIRPORT MANAGEMENT OR ASSIGNED REPRESENTATIVE A MINIMUM OF 72 HOURS BEFORE THE DESIRED CLOSING TIME.
- ISSUANCE OF NOTAM AND DEACTIVATION OF THE APPLICABLE AIRFIELD LIGHTING AND NAVAIDS BY THE AIRPORT MANAGEMENT AND/OR FAA.
- PLACEMENT OF CROSSES AND LIGHTED BARRICADES.
- ONLY AT THE TIME THAT ALL OF THE ABOVE ARE COMPLETED MAY ANY CONSTRUCTION OPERATIONS BEGIN WITHIN THE RUNWAY/TAXIWAY AIR OPERATIONS AREA.

RUNWAY/TAXIWAY RE-OPENING PROCEDURES:

- ENSURE ALL PERSONNEL, EQUIPMENT AND MATERIALS ARE CLEAR OF THE AIR OPERATIONS AREA.
- INSPECT THE AREA FOR LOOSE OR TRACKED DEBRIS, PAVEMENT DROP-OFFS, AND OPEN TRENCHES.
- REMOVE LIGHTED BARRICADES AND CROSSES.
- NOTIFY THE AIRPORT MANAGEMENT OR REPRESENTATIVE TO CANCEL THE NOTAM.
- ACTIVATION OF THE AIRFIELD LIGHTING AND NAVAIDS AND CANCELLATION OF THE NOTAM BY THE AIRPORT MANAGEMENT AND/OR FAA.



NOTE:
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 AIRPORT MANAGER. THE CROSSES WILL BE PLACED OVER THE NUMERALS AND SECURED IN A MANNER APPROVED BY THE MANAGER. THE PROPOSED CROSSES WILL BE PLACED EACH DAY 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.



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#184-001084



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REMARK RUNWAY 9-27 AND ASSOCIATED AIRFIELD PAVEMENTS

SBG No: 3-17-SBGP-120N
IDA No: MBQ-4381

Contract No.: MB031

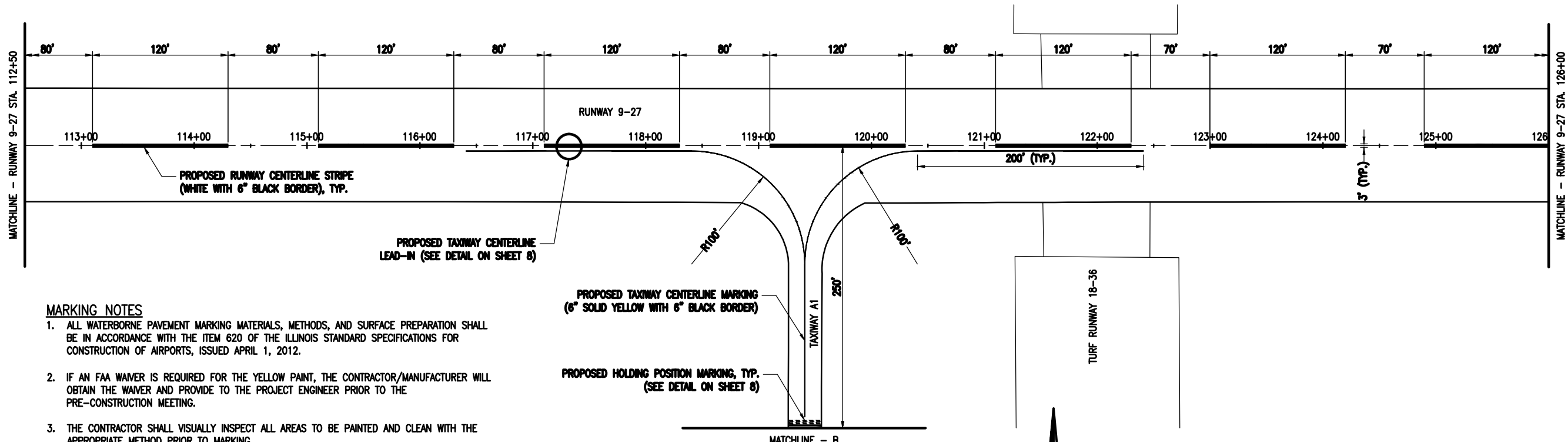
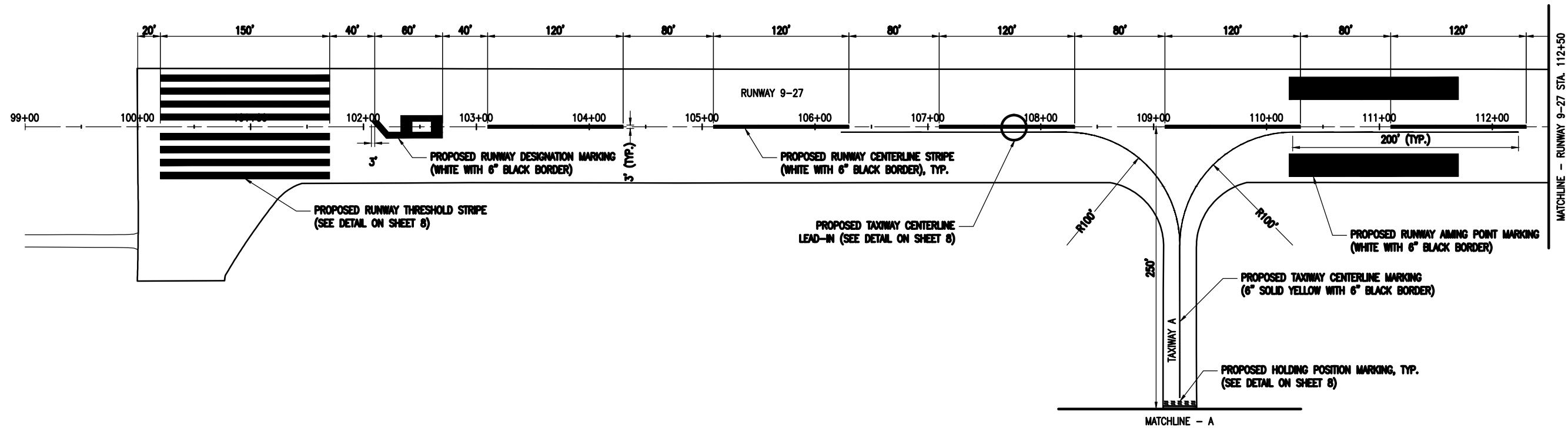
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 3, 2016
PROJECT NO: 15A0104
CAD FILE: C-003SFY.DWG
DESIGN BY: KBS
DRAWN BY: RAD
REVIEWED BY: KBS 06/03/2016

SHEET TITLE

CONSTRUCTION SAFETY PLAN

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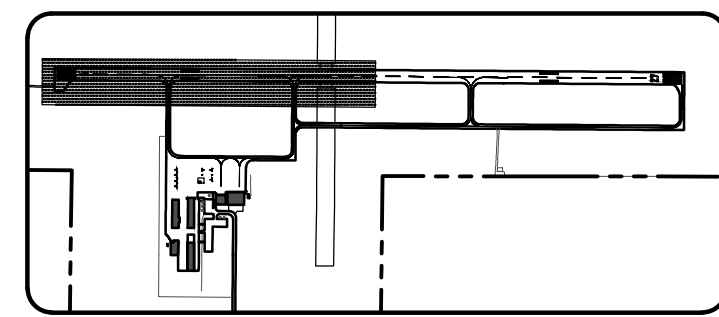
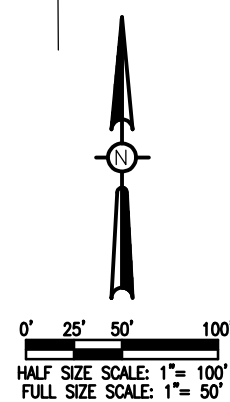


MARKING NOTES

1. ALL WATERBORNE PAVEMENT MARKING MATERIALS, METHODS, AND SURFACE PREPARATION SHALL BE IN ACCORDANCE WITH THE ITEM 620 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ISSUED APRIL 1, 2012.
2. IF AN FAA WAIVER IS REQUIRED FOR THE YELLOW PAINT, THE CONTRACTOR/MANUFACTURER WILL OBTAIN THE WAIVER AND PROVIDE TO THE PROJECT ENGINEER PRIOR TO THE PRE-CONSTRUCTION MEETING.
3. THE CONTRACTOR SHALL VISUALLY INSPECT ALL AREAS TO BE PAINTED AND CLEAN WITH THE APPROPRIATE METHOD PRIOR TO MARKING.
4. ALL YELLOW AND WHITE PAINT SHALL BE APPLIED IN TWO SEPARATE APPLICATIONS OF 115 SQUARE FEET PER GALLON EACH, WITH GLASS BEADS APPLIED AT A RATE 7 POUNDS PER GALLON ON THE SECOND COAT.
5. BLACK BORDER PAINT SHALL BE APPLIED IN ONE COAT AT A RATE OF 115 SQUARE FEET PER GALLON WITH NO GLASS BEADS.
6. MEASUREMENT FOR PAYMENT OF THE BLACK BORDER ITEM SHALL ONLY APPLY TO THAT WHICH IS VISIBLE AT THE CONCLUSION OF THE MARKING AND AS SHOWN IN THE DETAILS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY LAYOUT REQUIRED.
8. A QUANTITY OF 500 SQUARE FEET OF PAVEMENT MARKING REMOVAL HAS BEEN INCLUDED FOR USE AT THE DISCRETION OF THE RESIDENT ENGINEER/TECHNICIAN.

PROPOSED TAXIWAY CENTERLINE MARKING
(6" SOLID YELLOW WITH 6" BLACK BORDER)

PROPOSED HOLDING POSITION MARKING, TYP.
(SEE DETAIL ON SHEET 8)



KEY MAP
NOT TO SCALE

REMARK RUNWAY 9-27
AND ASSOCIATED
AIRFIELD PAVEMENTS

SBG No: 3-17-SBGP-120N
IDA No: MBQ-4381

Contract No.: MB031

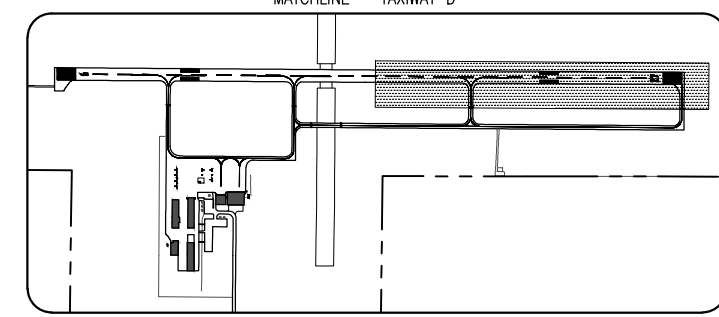
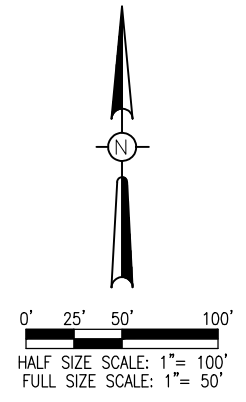
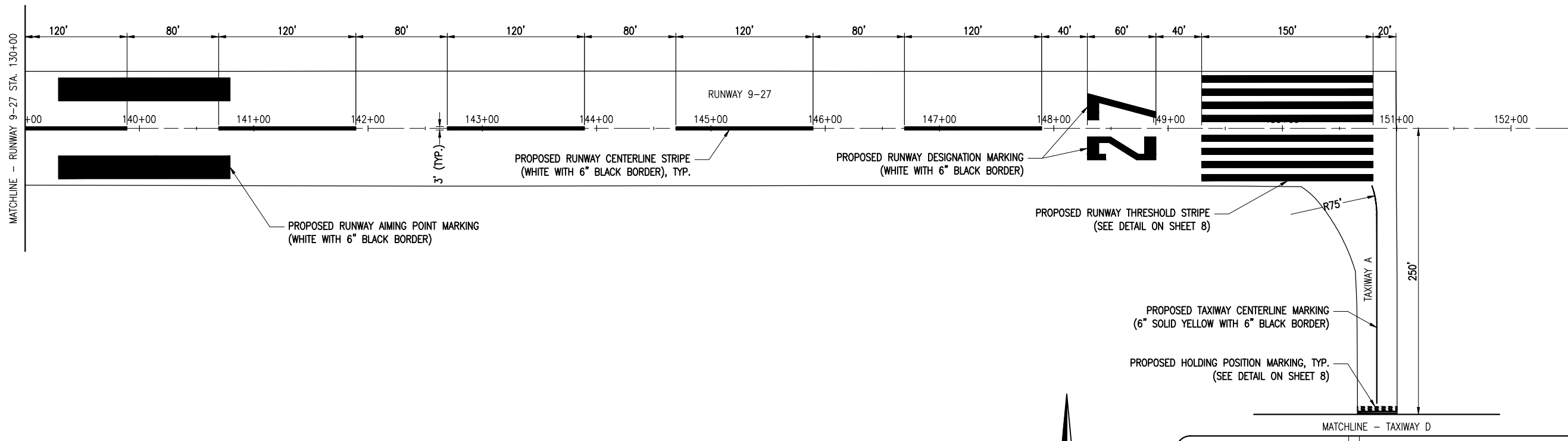
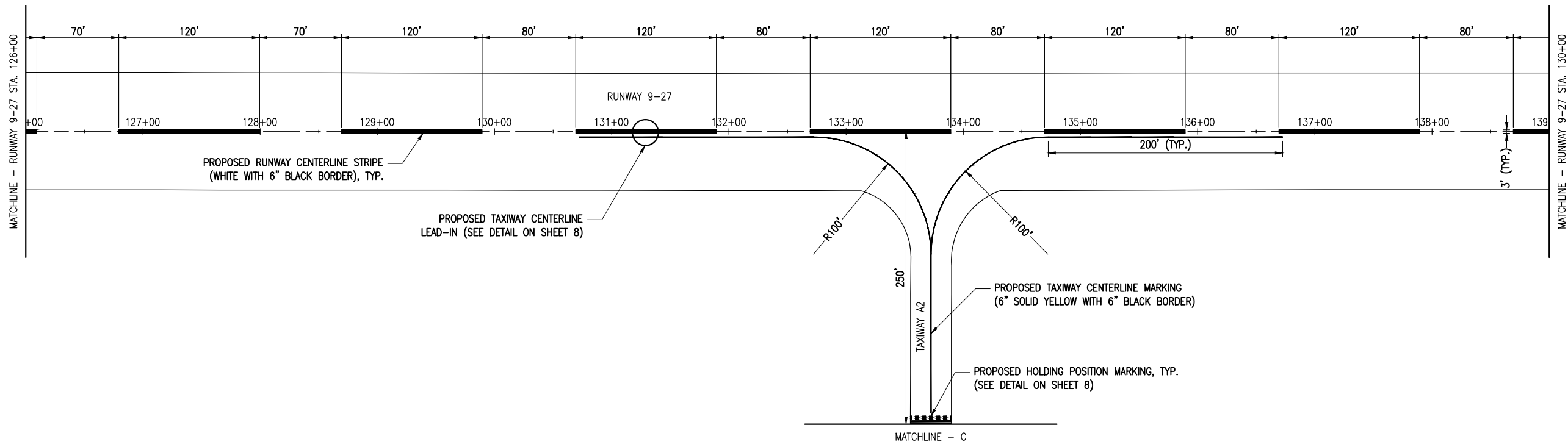
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 3, 2016
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REVIEWED BY: KBS 05/04/2016

SHEET TITLE

RUNWAY MARKING
PLAN - STA. 100+00
TO STA. 126+00

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KEY MAP
NOT TO SCALE

REMARK RUNWAY 9-27
AND ASSOCIATED
AIRFIELD PAVEMENTS

SBG No: 3-17-SBGP-120N
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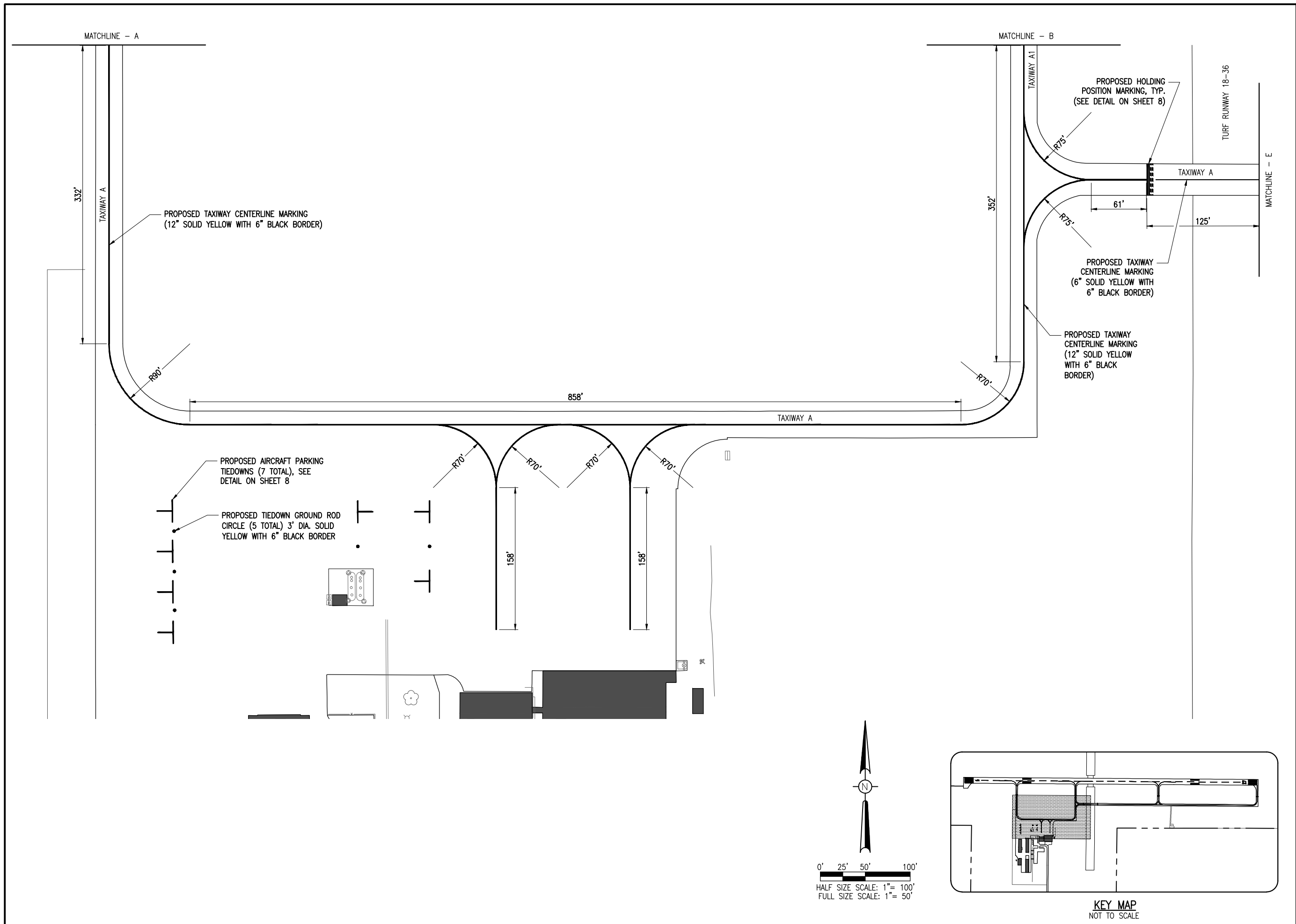
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SHEET TITLE

RUNWAY MARKING
PLAN - STA. 126+00
TO STA. 151+00



REMARK RUNWAY 9-27 AND ASSOCIATED AIRFIELD PAVEMENTS

SBG No: 3-17-SBGP-120N
IDA No: MBQ-4381

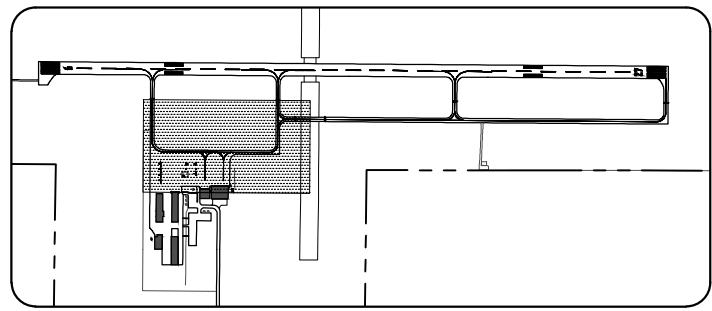
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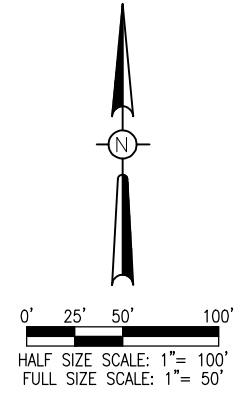
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SHEET TITLE

TAXIWAY MARKING PLAN - SHEET 1

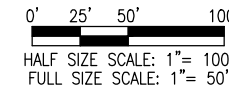
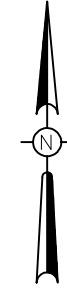
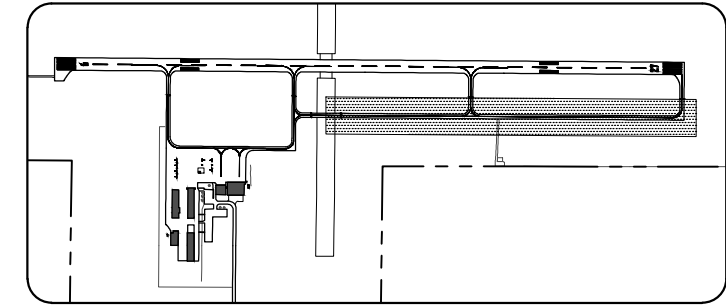
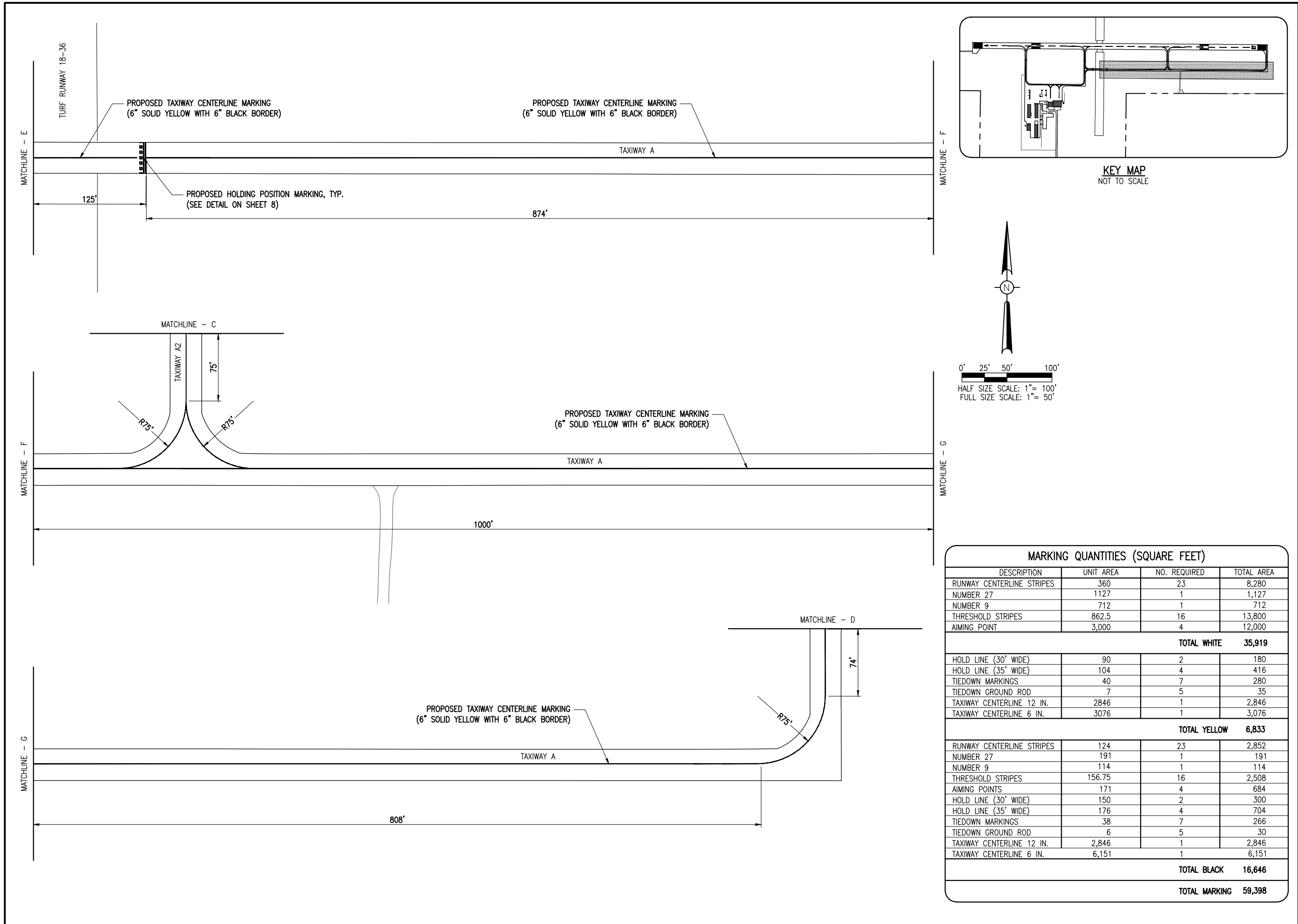


KEY MAP
NOT TO SCALE



JUN 08, 2016 5:13 PM SCHIVE01296
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JUN 08, 2016 5:13 PM SCHWED1296
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MARKING QUANTITIES (SQUARE FEET)			
DESCRIPTION	UNIT AREA	NO. REQUIRED	TOTAL AREA
RUNWAY CENTERLINE STRIPES	360	23	8,280
NUMBER 27	1127	1	1,127
NUMBER 9	712	1	712
THRESHOLD STRIPES	862.5	16	13,800
AIMING POINT	3,000	4	12,000
TOTAL WHITE			35,919
HOLD LINE (30' WIDE)	90	2	180
HOLD LINE (35' WIDE)	104	4	416
TIEDOWN MARKINGS	40	7	280
TIEDOWN GROUND ROD	7	5	35
TAXIWAY CENTERLINE 12 IN.	2846	1	2,846
TAXIWAY CENTERLINE 6 IN.	3076	1	3,076
TOTAL YELLOW			6,833
RUNWAY CENTERLINE STRIPES	124	23	2,852
NUMBER 27	191	1	191
NUMBER 9	114	1	114
THRESHOLD STRIPES	156.75	16	2,508
AIMING POINTS	171	4	684
HOLD LINE (30' WIDE)	150	2	300
HOLD LINE (35' WIDE)	176	4	704
TIEDOWN MARKINGS	38	7	266
TIEDOWN GROUND ROD	6	5	30
TAXIWAY CENTERLINE 12 IN.	2,846	1	2,846
TAXIWAY CENTERLINE 6 IN.	6,151	1	6,151
TOTAL BLACK			16,646
TOTAL MARKING			59,398



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REMARK RUNWAY 9-27
 AND ASSOCIATED
 AIRFIELD PAVEMENTS

SBG No: 3-17-SBGP-120N
 IDA No: MBQ-4381

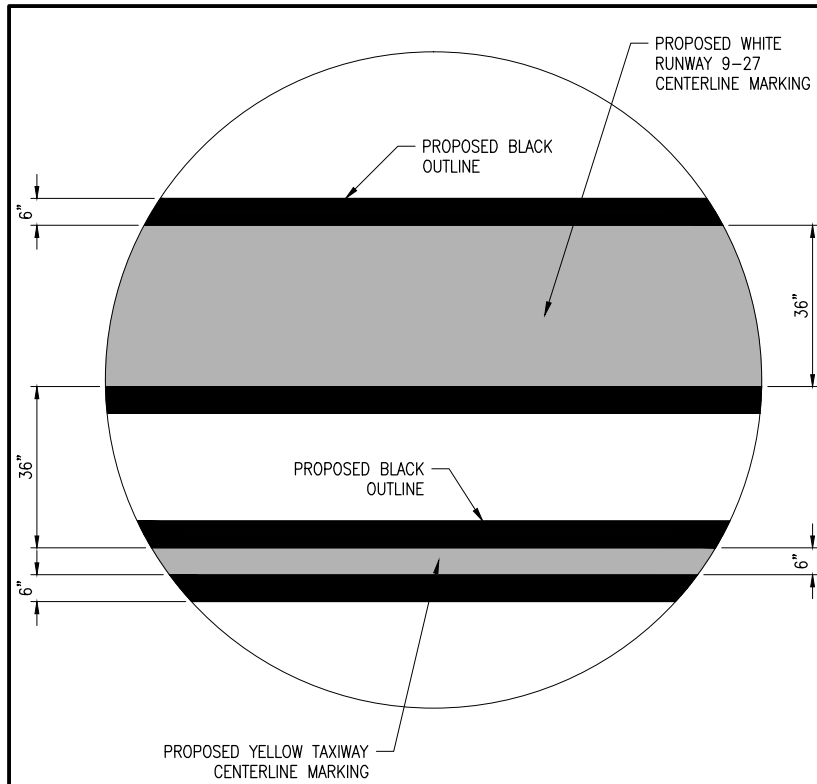
Contract No.: MB031

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 3, 2016
 PROJECT NO: 15A0104
 CAD FILE: C-151MRK.DWG
 DESIGN BY: KBS
 DRAWN BY: RAD
 REVIEWED BY: KBS 05/04/2016

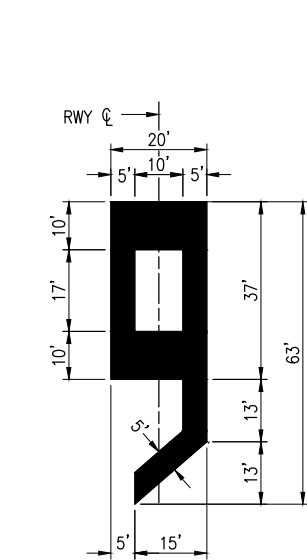
SHEET TITLE

TAXIWAY MARKING
 PLAN - SHEET 2



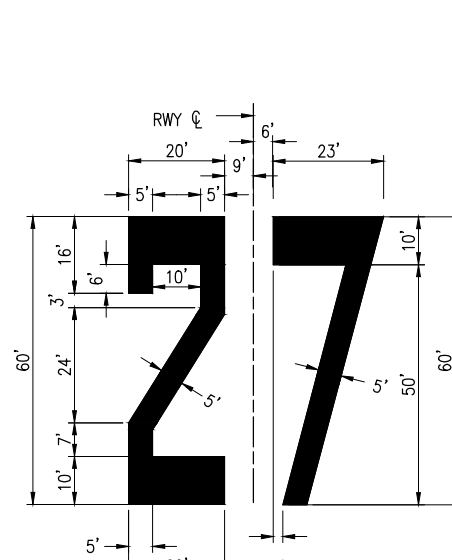
CENTERLINE LEAD-IN DETAIL

NOT TO SCALE



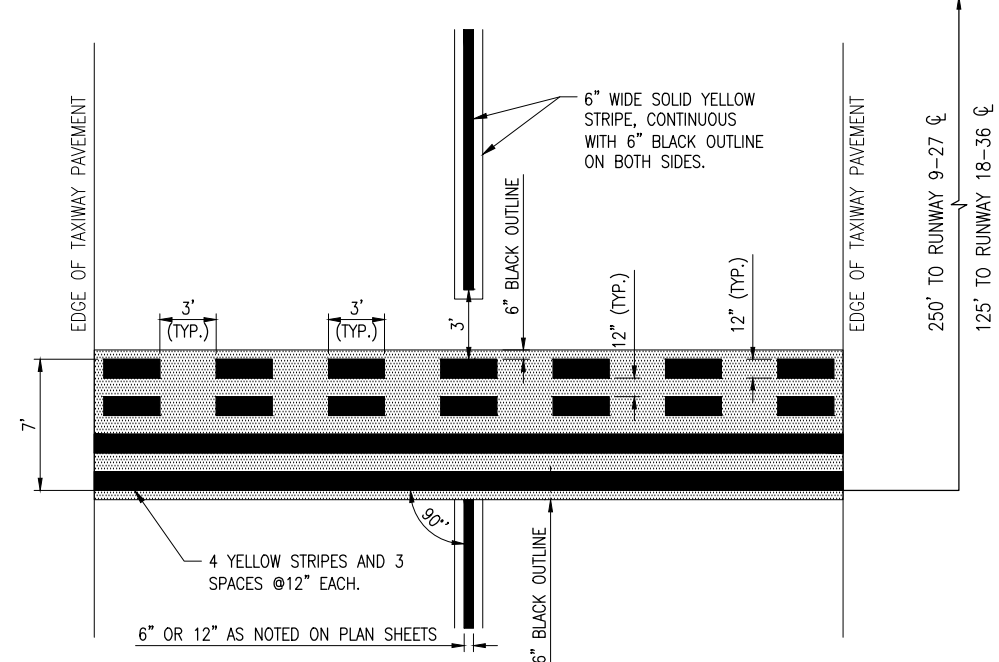
PROPOSED NUMERAL DETAIL FOR RUNWAY END 9

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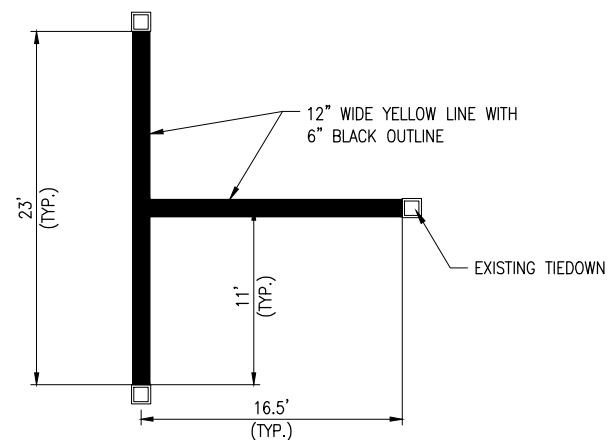
PROPOSED NUMERAL DETAIL FOR RUNWAY END 27

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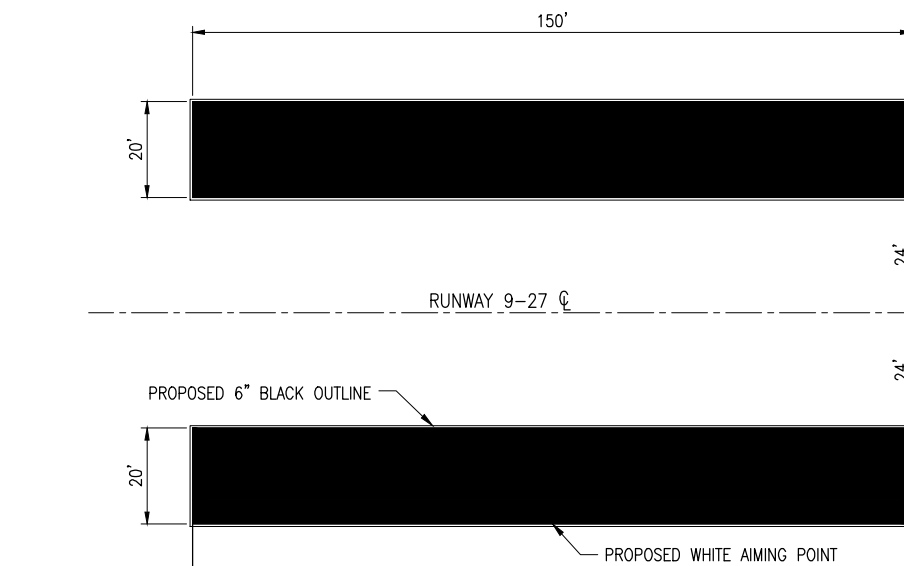
TYPICAL RUNWAY HOLDING POSITION AND TAXIWAY MARKINGS

NOT TO SCALE



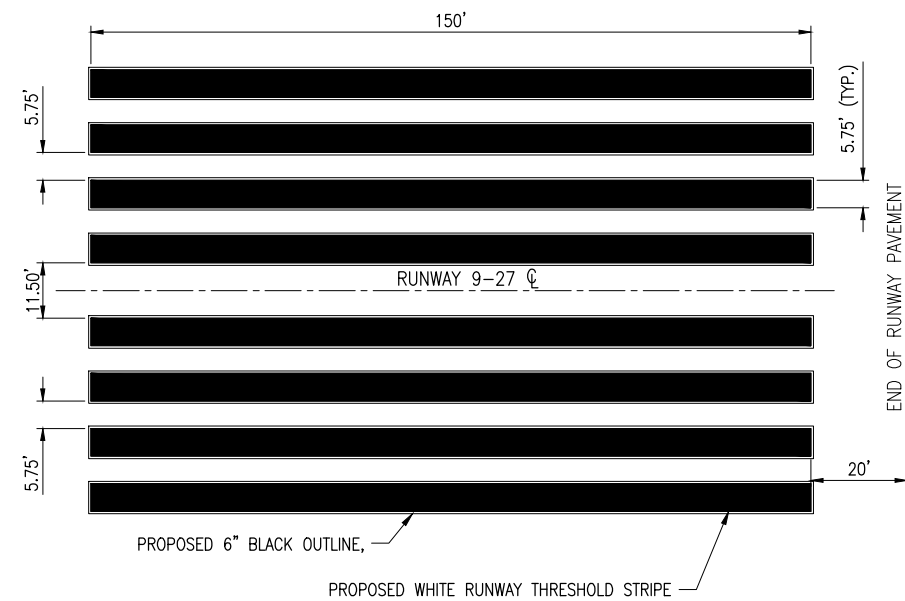
AIRCRAFT TIEDOWNS MARKING DETAILS

NOT TO SCALE



AIMING POINT MARKINGS

NOT TO SCALE



RUNWAY THRESHOLD MARKING

NOT TO SCALE



REMARK RUNWAY 9-27
AND ASSOCIATED
AIRFIELD PAVEMENTS

SBG No: 3-17-SBGP-120N
IDA No: MBQ-4381

Contract No.: MB031

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

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DRAWN BY: RAD
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SHEET TITLE

MARKING DETAILS