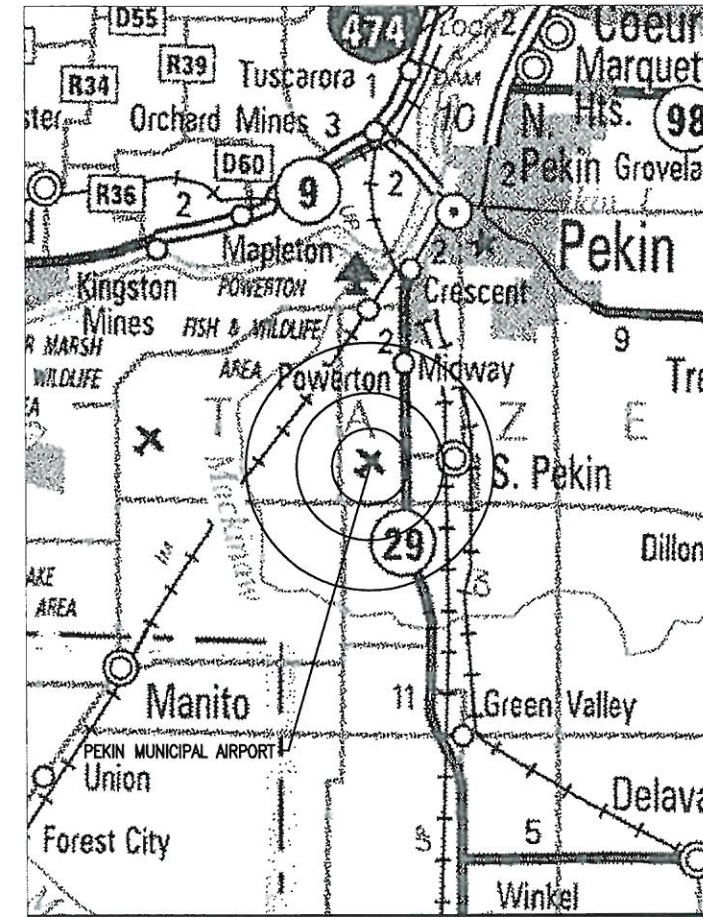


CONSTRUCTION PLANS

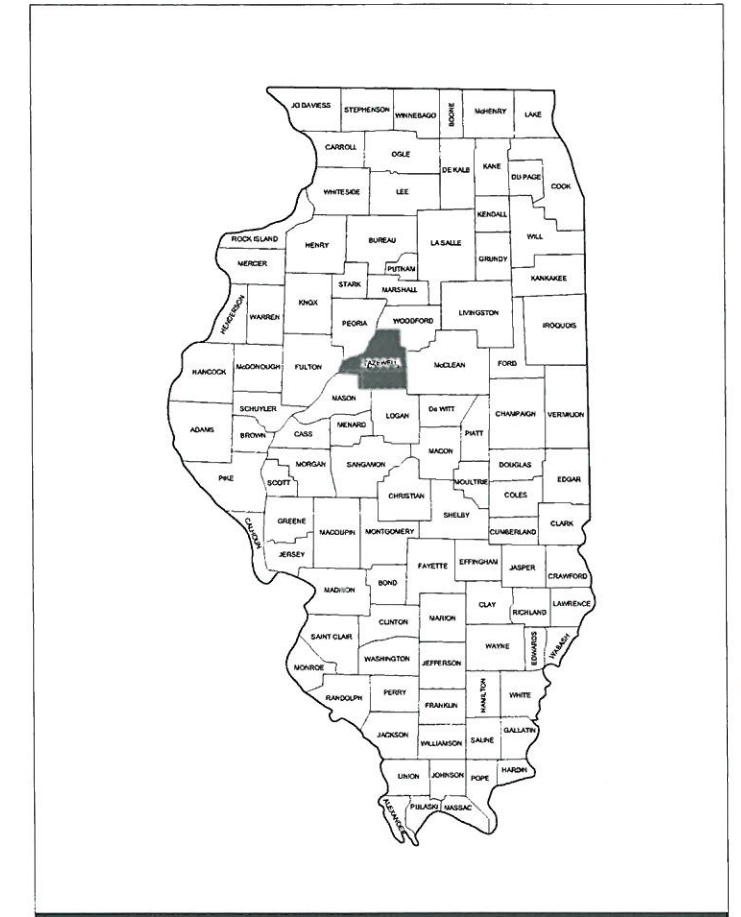
Install Subgrade Drainage; Remove And Replace Bituminous Pavement And Remark

**PEKIN MUNICIPAL AIRPORT (C15)
PEKIN, TAZWELL COUNTY, ILLINOIS**

**SBG PROJECT NO. 3-17-SBGP-XX
IDA PROJECT NO. C15-4329**



VICINITY MAP
"NOT TO SCALE"



LOCATION MAP
SCALE 1" = 50 MILES

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

Seal
Date of Plans
JUNE 20, 2014

Charles A. Hagloch
Charles A. Hagloch, P.E.
Project Engineer
June 25, 2014
Date

HANSON
HANSON PROFESSIONAL SERVICES INC.
1525 S. Sixth St.
Springfield, Illinois 62703
Telephone: 217.788.2450
Fax: 217.788.2503

Robert A. Waller
Robert A. Waller, P.E.
Project Manager
June 25, 2014
Date

PEKIN MUNICIPAL AIRPORT
111 South Capitol Street
PeKin, Illinois 61554
Telephone: 309.348.3693

Mike Guerra P.E. 6/23/14
Mike Guerra
City Engineer
Date

SUMMARY OF QUANTITIES (BASE BID)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150520	MOBILIZATION	L.S.	1	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	5,000	
AR201910	REMOVE & REPLACE BIT. PAVEMENT	S.Y.	709	
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	28,403	
AR620525	PAVEMENT MARKING - BLACK BORDER	S.F.	9,256	
AR620900	PAVEMENT MARKING REMOVAL	S.F.	757	
AR705504	4" PERFORATED UNDERDRAIN	L.F.	1,328	
AR705506	6" PERFORATED UNDERDRAIN	L.F.	78	

SUMMARY OF QUANTITIES (ADDITIVE ALTERNATE NO. 1)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AS620520	PAVEMENT MARKING - WATERBORNE	S.F.	4,511	
AS620525	PAVEMENT MARKING - BLACK BORDER	S.F.	4,511	

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	PROPOSED PAVEMENT PREPARATION PLAN STA. 100+00 TO STA. 126+00
5	PROPOSED PAVEMENT PREPARATION PLAN STA. 126+00 TO STA. 150+00
6	PROPOSED DRAINAGE PLAN STA. 100+00 TO STA. 126+00
7	PROPOSED DRAINAGE PLAN STA. 126+00 TO STA. 150+00
8	EXISTING MARKING PLAN STA. 100+00 TO STA. 113+00
9	EXISTING MARKING PLAN STA. 113+00 TO STA. 138+00
10	EXISTING MARKING PLAN STA. 138+00 TO STA. 150+00
11	PROPOSED MARKING PLAN STA. 100+00 TO STA. 113+00
12	PROPOSED MARKING PLAN STA. 113+00 TO STA. 138+00
13	PROPOSED MARKING PLAN STA. 138+00 TO STA. 150+00

REHABILITATE
RUNWAY 9-27

IDA No: C15-4329

Contract No. PN008

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: MONTH DAY, YEAR

PROJECT NO: 13A0079D
CAD FILE: G-002-FLP.DWG
LAYOUT BY: BKB 03/25/2014
DRAWN BY: BAK 03/25/2014
REVIEWED BY: KBS 06/13/2014

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SHEET TITLE

SUMMARY OF
QUANTITIES AND
INDEX TO SHEETS

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 WHATSOEVER 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.

HAUL ROUTE AND VEHICLE PARKING

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND PARKING AREA AS SHOWN ON THIS SHEET. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND PARKING AREA THROUGHOUT THE COURSE OF THE PROJECT. ANY AREAS DAMAGED OUTSIDE OF THESE AREAS WILL BE REPAIRED BY THE CONTRACTOR AND AT THE CONTRACTOR'S OWN EXPENSE. AT THE CONCLUSION OF THE PROJECT THE CONTRACTOR WILL REPAIR ANY DAMAGED AREAS OF THE HAUL ROUTE AND PARKING AREA AS NEEDED TO RESTORE IT TO ITS ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE AND PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CONTRACTOR RESPONSIBILITIES

THE CONTRACTOR'S EQUIPMENT PARKING AND STORAGE AREA WILL BE AS SHOWN ON THIS SHEET. THE CONTRACTOR'S EMPLOYEES WILL PARK THEIR VEHICLES IN THIS AREA. ONLY CONTRACTOR VEHICLES WILL BE ALLOWED OUTSIDE THIS AREA.

THE CONTRACTOR AND HIS EMPLOYEES WILL BE RESTRICTED TO THE WORK AREA AND ALL OTHER AREAS OF THE AIRPORT ARE "OFF LIMITS" TO THEM.

NO OPEN HOLES OR TRENCHES WILL BE ALLOWED WITHIN 75' OF AN ACTIVE RUNWAY OR WITHIN 65.5' OF AN ACTIVE TAXIWAY OR TAXILANE.

SCOPE OF WORK (BASE BID)

THIS PROJECT CONSISTS OF LARGE CRACK REPAIR BY THE REMOVAL AND REPLACEMENT OF BITUMINOUS PAVEMENT AND THE INSTALLATION OF TRANSVERSE UNDERDRAINS ON RUNWAY 9-27. ASSOCIATED ITEMS OF WORK SHALL INCLUDE CLEAN AND SEAL BITUMINOUS CRACKS, SHOULDER ADJUSTMENT AND PAVEMENT MARKING.

SCOPE OF WORK (ADDITIVE ALTERNATE NO. 1))

THE ADDITIVE ALTERNATE NO. 1 PORTION OF THIS PROJECT SHALL CONSIST OF TAXIWAY PAVEMENT MARKING.

AIRPORT SECURITY NOTE

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR WILL CLOSE THE EXISTING GATE IN THE HAUL ROUTE AT THE END OF EACH WORKING DAY. ALL ACCESS GATES WILL BE CLOSED AT ALL TIMES WHEN NOT IN USE. IF CONTINUOUS HAULING IS REQUIRED, THEN THE GATE ACCESS WILL BE MONITORED TO PREVENT A BREACH FROM OUTSIDE, NON-CONSTRUCTION RELATED TRAFFIC.

RUNWAY AND TAXIWAY CLOSURE PROCEDURES

THE AIRPORT MANAGER OR REPRESENTATIVE WILL ISSUE ALL APPLICABLE NOTAM'S TO OPEN AND CLOSE THE RUNWAYS AND TAXIWAYS.

THE CONTRACTOR WILL OBTAIN APPROVAL FROM THE AIRPORT MANAGER OR REPRESENTATIVE PRIOR TO ENTERING ONTO ANY RUNWAY OR TAXIWAY.

THE CONTRACTOR WILL CONTACT THE AIRPORT MANAGER OR REPRESENTATIVE FOR VERIFICATION OF RUNWAY OR TAXIWAY CLOSURE PRIOR TO ENTERING ONTO A RUNWAY OR TAXIWAY TO PLACE EQUIPMENT SUCH AS BARRICADES AND RUNWAY DESIGNATION CROSSES. THE AIRPORT MANAGER OR REPRESENTATIVE WILL DIRECT THE LOCATION OF SUCH EQUIPMENT.

THE CONTRACTOR WILL CONTACT THE AIRPORT MANAGER OR REPRESENTATIVE OF WORK COMPLETION ON THE RUNWAY OR TAXIWAY PRIOR TO REMOVING ANY EQUIPMENT SUCH AS BARRICADES AND RUNWAY DESIGNATION CROSSES.

THE AIRPORT MANAGER OR REPRESENTATIVE WILL INSPECT THE AREA PRIOR TO REMOVING EQUIPMENT AND CANCELLING NOTAM'S.

THE AIRPORT SPONSOR IS ULTIMATELY RESPONSIBLE FOR ACTIVELY PREVENTING RUNWAY INCURSIONS.

BARRICADES AND TRAFFIC CONES

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS DIRECTED BY THE AIRPORT MANAGER. THE BARRICADES WILL BE EQUIPPED WITH RED FLASHING OR RED STEADY-BURN LIGHTS AND 20" SQUARE ORANGE FLAGS. THE BARRICADES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. BARRICADES WILL BE SPACED NO FURTHER THAN 20 FEET APART.

HEIGHT OF CONSTRUCTION EQUIPMENT

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 20 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A DUMP TRUCK.

CERTIFIED PAYROLLS

THE RESIDENT ENGINEER CANNOT FORWARD CONSTRUCTION REPORTS TO THE ILLINOIS DIVISION OF AERONAUTICS FOR PROCESSING UNTIL ALL CERTIFIED PAYROLLS FOR THE PERIOD HAVE BEEN RECEIVED.

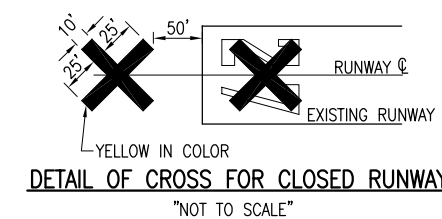
MATERIAL CERTIFICATION

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 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.

NOTE

ALL CONSTRUCTION/OPERATIONS ARE TO BE PERFORMED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR (AC) 150/5370-2F "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION" AND AC 150/5300-13 "AIRPORT DESIGN".

ALL CONSTRUCTION EQUIPMENT ON THE AIRPORT SHALL BE MARKED, LIGHTED AND/OR FLAGGED IN ACCORDANCE WITH AC 150/5210-5 AND 70/7460-1.



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.

PROPOSED SAFETY PLAN

ALL PROVISIONS OF FAA ADVISORY CIRCULAR 150/5370-2F (OR THE LATEST REVISIONS), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION" OF APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN.

GENERAL - THE PEKIN MUNICIPAL AIRPORT IS COMPRISED OF ONE RUNWAY. THE PROPOSED CONSTRUCTION WILL NECESSITATE CLOSING THE RUNWAY. ANY TIME THE CONTRACTOR IS WORKING WITHIN 75' OF THE RUNWAY CENTERLINE THE RUNWAY WILL BE CLOSED. A TAXIWAY SHALL BE CLOSED WHEN THE CONTRACTOR IS WORKING WITHIN 65.5 FT. OF THE TAXIWAY CENTERLINE. ALL WORK INCLUDED IN OPENING AND CLOSING THE RUNWAY WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

AT THE START OF THE CONSTRUCTION WEEK THE CONTRACTOR WILL BE ALLOWED TO CLOSE THE RUNWAY. THE RUNWAY WILL REMAIN CLOSED FOR THE DURATION OF THE CONSTRUCTION WEEK. AT THE END OF THE CONSTRUCTION WEEK THE CONTRACTOR WILL RE-OPEN THE RUNWAY SO IT MAY BE USED OVER THE WEEKEND. ALL HOLES WITHIN THE RUNWAY SAFETY AREA (75' FROM THE RUNWAY CENTERLINE) WILL BE FILLED IN, ALL OF THE CONTRACTOR'S EQUIPMENT WILL BE LOCATED IN THE PROPOSED EQUIPMENT PARKING AND STORAGE AREA, THE RUNWAY WILL BE CLEANED OF ALL LOOSE MATERIAL, AND THE RUNWAY LIGHTING AND NAVAIDS WILL BE ACTIVATED. PRIOR TO OPENING THE RUNWAY THE CONTRACTOR, A REPRESENTATIVE OF THE AIRPORT AND THE RESIDENT ENGINEER WILL INSPECT THE RUNWAY FOR COMPLIANCE TO THE ABOVE. ANYTHING THAT IS OBSERVED TO BE NOT IN COMPLIANCE WILL BE CORRECTED PRIOR TO RE-OPENING THE RUNWAY.

IDENTIFICATION - WHEN THE CONTRACTORS VEHICLES AND EQUIPMENT ARE ON THE AIRPORT THEY SHALL BE PROPERLY MARKED WITH THREE (3) FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE). THE CONTRACTOR WILL ALSO PROVIDE WORKERS WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THE PERSON AS BEING PART OF THE CONSTRUCTION CREW.

RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (122.80 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE PEKIN MUNICIPAL AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

EROSION CONTROL

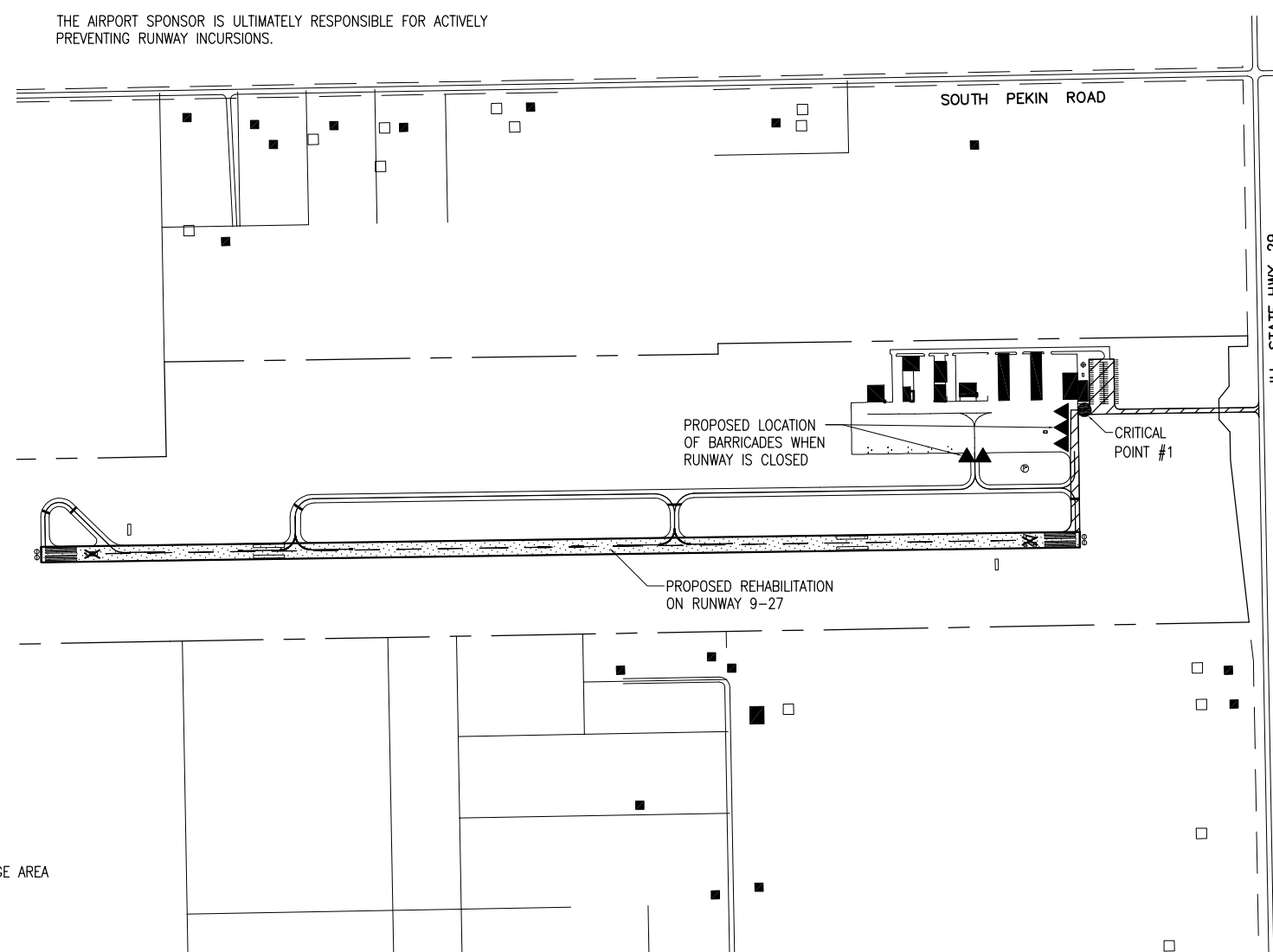
THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF LAND, THEREFORE NO N.P.D.E.S. PERMIT WILL BE REQUIRED.

CRITICAL POINT NO. 1 DATA

LATITUDE: 40° 29' 23.90"
LONGITUDE: 89° 40' 00.41"
ELEVATION: 523.52' M.S.L.

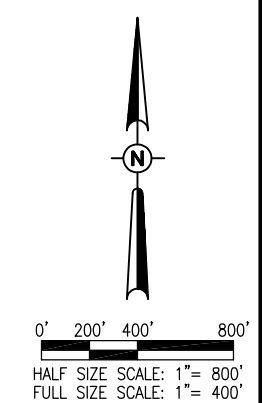
J.U.L.I.E. INFORMATION

COUNTY _____ TAZWELL
CITY _____ PEKIN
TOWNSHIP _____ CINCINNATI
SECTION NO. _____ 33
ADDRESS _____ PEKIN MUNICIPAL AIRPORT
111 S. CAPITAL STREET
PEKIN, ILLINOIS 61554



LEGEND

- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AND STORAGE AREA
- PROPOSED BARRICADES OR TRAFFIC CONES



REHABILITATE RUNWAY 9-27

IDA No: C15-4329

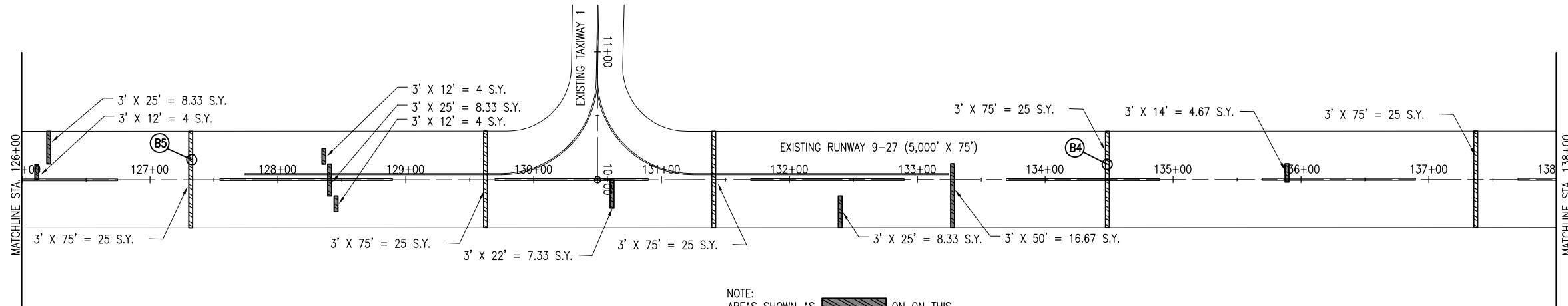
Contract No. PN008


NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

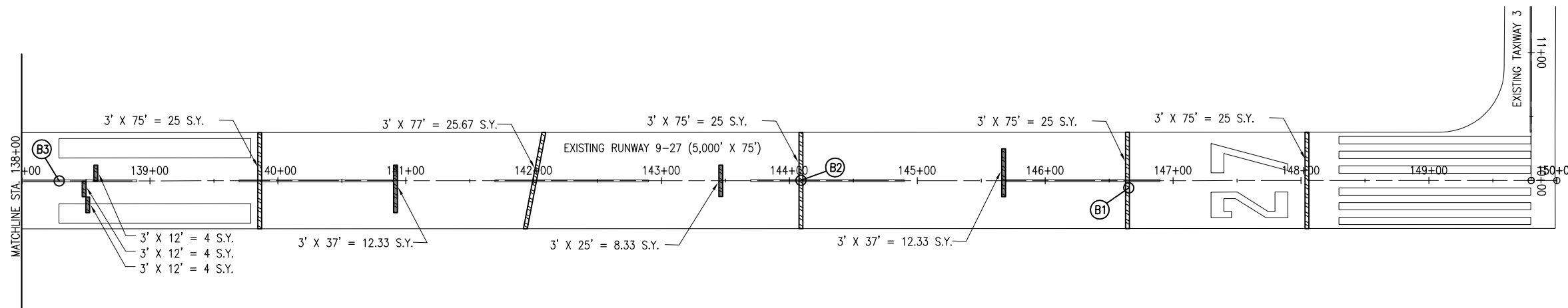
ISSUE: MONTH DAY, YEAR
PROJECT NO: 13A0079D
CAD FILE: G-003-SFY.DWG
LAYOUT BY: BKB 03/25/2014
DRAWN BY: BAK 03/25/2014
REVIEWED BY: KBS 06/13/2014

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SHEET TITLE


PROPOSED SAFETY PLAN



NOTE:
AREAS SHOWN AS  ON THIS SHEET AND SHEET NO. 4 SHALL HAVE THE EXISTING BITUMINOUS PAVEMENT REMOVED AND REPLACED AS SHOWN ON SHEET 4.



REMOVE & REPLACE BITUMINOUS PAVEMENT

THE AREA DESIGNATED AS  ON THE CONSTRUCTION SHEETS WITHIN THESE PLANS WILL HAVE THE EXISTING PAVEMENT REMOVED (FULL DEPTH) AS SHOWN ON SHEET 4.

WHERE THE PROPOSED REMOVAL AREA ABUTS THE EXISTING PAVEMENT, THE PAVEMENT WILL BE SAWED. THE SAWING WILL BE CONSIDERED AS PART OF THE PROPOSED PAVEMENT REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE BITUMINOUS SURFACE COURSE SHALL BE AN IDOT HIGHWAY MIX, APPROVED BY THE DIVISION OF AERONAUTICS (IDA) AND SUITABLE AS PATCHING MATERIAL. AN AVERAGE OF TWO (2) NUCLEAR DENSITY TESTS PER 100 S.Y. PER LIFT WILL BE REQUIRED FOR ACCEPTANCE TESTING. THE AVERAGE OF THESE TWO (2) TESTS MUST BE ABOVE 90% FOR ACCEPTANCE. THE FINAL LIFT OF SURFACE COURSE SHALL BE INSTALLED FLUSH WITH THE EXISTING ADJACENT PAVEMENT.

THE BITUMINOUS SURFACE COURSE WILL BE INSTALLED AS PER THE SPECIFICATIONS EXCEPT AS STATED IN THESE PLANS. THE REMOVAL AND DISPOSAL OF THE EXISTING PAVEMENT; PROVIDING AND INSTALLING THESE MATERIALS TO GRADE IS CONSIDERED PART OF THIS PAY ITEM AND NO OTHER COMPENSATION WILL BE ALLOWED.

THE PAVEMENT CONDITIONS AND CRACKS WERE IDENTIFIED DURING A SURVEY IN THE SPRING 2014 OF THE EXISTING RUNWAY. THE PLAN QUANTITY HAS BEEN INCREASED BY 10% TO HELP ACCOUNT FOR THE CRACKS INCREASING IN SIZE BEFORE THIS PROJECT IS STARTED.

THE REMOVAL AND REPLACEMENT OF BITUMINOUS PAVEMENT WILL BE PAID FOR UNDER ITEM:
AR201910 "REMOVE & REPLACE BIT. PAVEMENT"----- PER SQ. YDS.

CLEAN & SEAL BITUMINOUS CRACKS NOTES




ALL CRACKS DESIGNATED BY THE RESIDENT ENGINEER FOR REPAIR WILL BE COMPLETED AS STATED IN THE SPECIAL PROVISIONS.

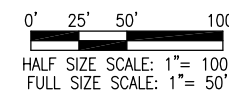
THE EXACT AMOUNT OF CRACKS TO BE CLEANED & SEALED WILL BE THE NUMBER OF LINEAR FEET OF CRACKS MARKED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

THE PAVEMENT CONDITIONS AND CRACKS WERE IDENTIFIED AND LOCATED AS SHOWN DURING A SURVEY IN THE SPRING 2014 OF THE EXISTING RUNWAY.

THE BITUMINOUS CRACK CLEANING & SEALING WILL BE PAID FOR UNDER ITEM:
AR201661 - "CLEAN & SEAL BITUMINOUS CRACKS" _ _ _ PER L.F.

LEGEND

-  EXISTING PAVEMENT
-  EXISTING CORE LOCATIONS (TAKEN MARCH 2014)
-  PROPOSED REMOVE & REPLACE BITUMINOUS PAVEMENT



REHABILITATE RUNWAY 9-27

IDA No: C15-4329

Contract No. PN008

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: MONTH DAY, YEAR
PROJECT NO: 13A0079D
CAD FILE: C-111-PRP.DWG
LAYOUT BY: BKB 03/25/2014
DRAWN BY: BAK 03/25/2014
REVIEWED BY: KBS 06/13/2014
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SHEET TITLE

PROPOSED PAVEMENT PREPARATION PLAN STA. 126+00 TO STA. 150+00

JUN 13, 2014, 2:32 PM HAGL000882
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REHABILITATE
RUNWAY 9-27

IDA No: C15-4329

Contract No. PN008

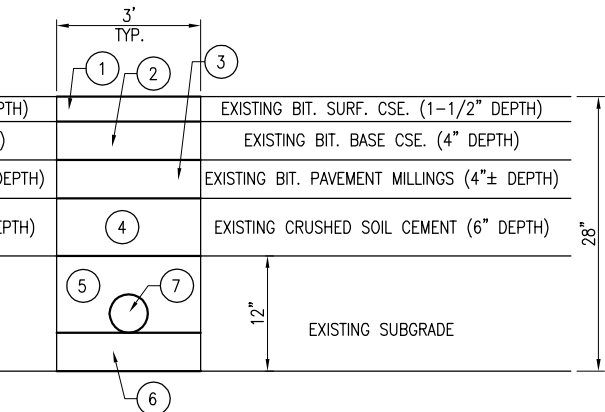
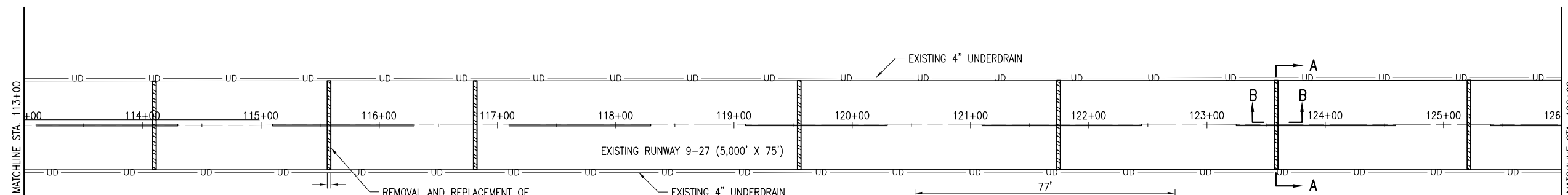
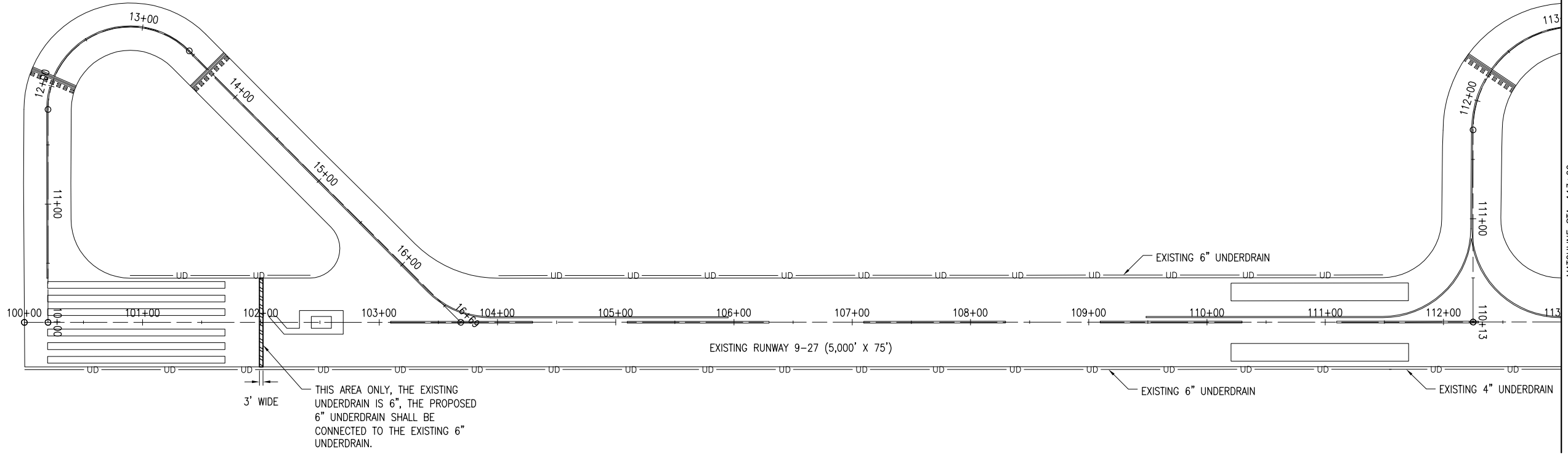
NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: MONTH DAY, YEAR

PROJECT NO: 13A0079D
CAD FILE: C-131-DRN.DWG
LAYOUT BY: BKB 03/25/2014
DRAWN BY: BAK 03/25/2014
REVIEWED BY: KBS 06/13/2014

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SHEET TITLE

PROPOSED DRAINAGE
PLAN STA. 100+00 TO
STA. 126+00



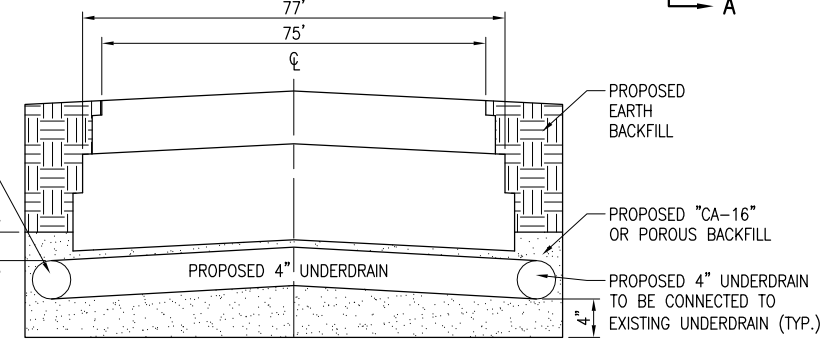
TYPICAL SECTION "B-B"
"NOT TO SCALE"

LEGEND FOR TYPICAL SECTION "B-B"

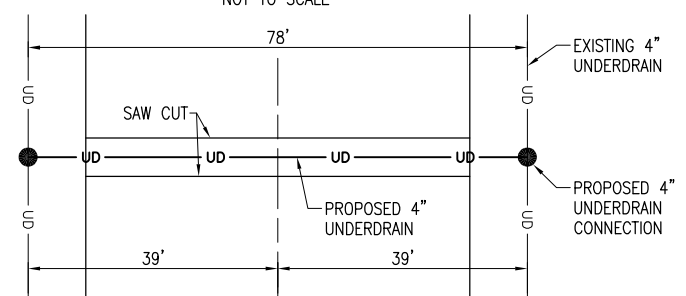
- ① PROPOSED BITUMINOUS SURFACE COURSE (1-1/2" DEPTH)
- ② PROPOSED BITUMINOUS SURFACE COURSE (4" DEPTH)
- ③ PROPOSED CA-7 (4" DEPTH)
- ④ PROPOSED CA-7 (6" DEPTH)
- ⑤ PROPOSED POROUS BACKFILL
- ⑥ PROPOSED BEDDING (4" DEPTH)
- ⑦ PROPOSED 4" PERFORATED UNDERDRAIN

NOTE:
ITEMS 1 THRU 4 WILL BE ACCOMPLISHED AND PAD FOR UNDER AR201910 "REMOVE AND REPLACE BITUMINOUS PAVEMENT."

ITEMS 5 THRU 7 WILL BE ACCOMPLISHED AND PAID FOR UNDER AR705504 "4" PERFORATED UNDERDRAIN" AND AR705506 "6" PERFORATED UNDERDRAIN".



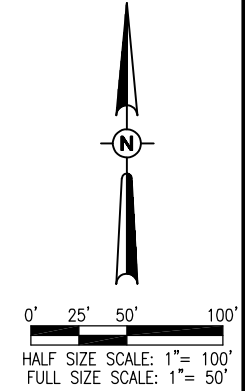
TYPICAL SECTION "A-A" PROFILE
"NOT TO SCALE"



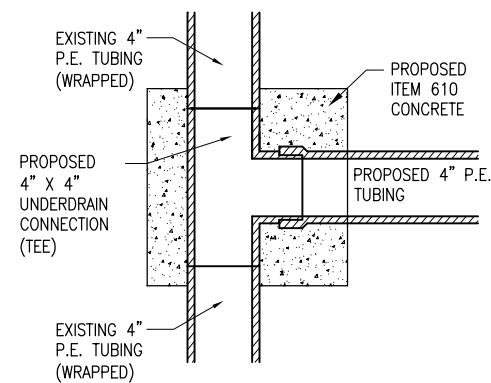
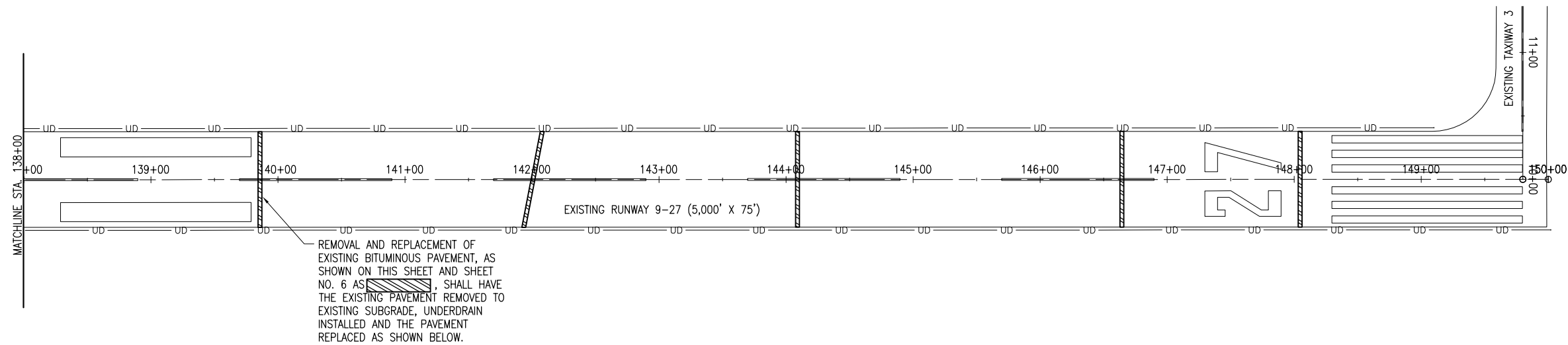
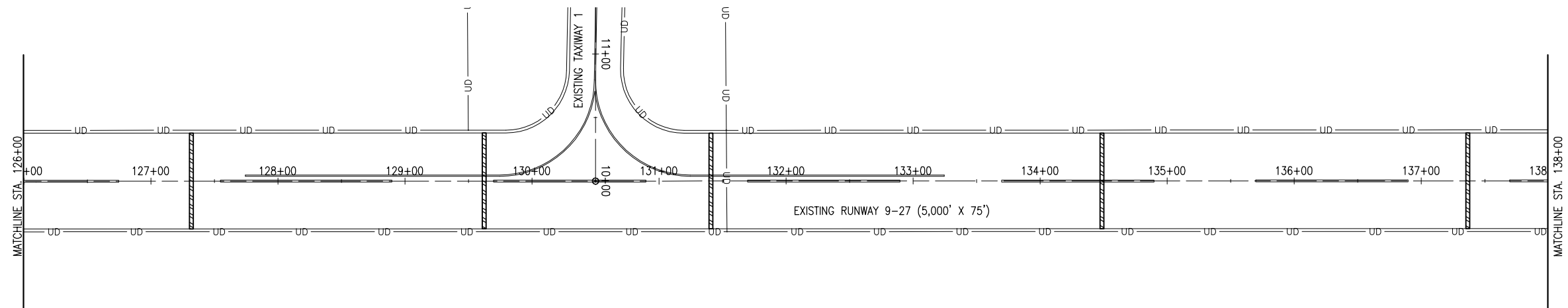
TYPICAL SECTION "A-A" PLAN VIEW
"NOT TO SCALE"

NOTE:
SLOPE OF THE PROPOSED UNDERDRAIN PIPE WILL MATCH THE TRANSVERSE SLOPE OF THE RUNWAY OR 1.0%, WHICHEVER IS GREATER.

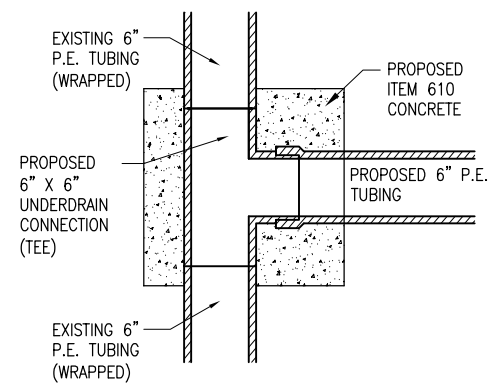
- LEGEND**
- EXISTING PAVEMENT
 - EXISTING MARKING
 - EXISTING UNDERDRAIN



JUN 13, 2014 2:58 PM HAGL000382
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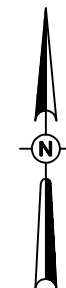


PROPOSED UNDERDRAIN CONNECTION
"NOT TO SCALE"



PROPOSED UNDERDRAIN CONNECTION STA. 102+00
"NOT TO SCALE"

- LEGEND**
- EXISTING PAVEMENT
 - EXISTING MARKING
 - EXISTING 4" UNDERDRAIN



0' 25' 50' 100'
HALF SIZE SCALE: 1" = 100'
FULL SIZE SCALE: 1" = 50'

**REHABILITATE
RUNWAY 9-27**

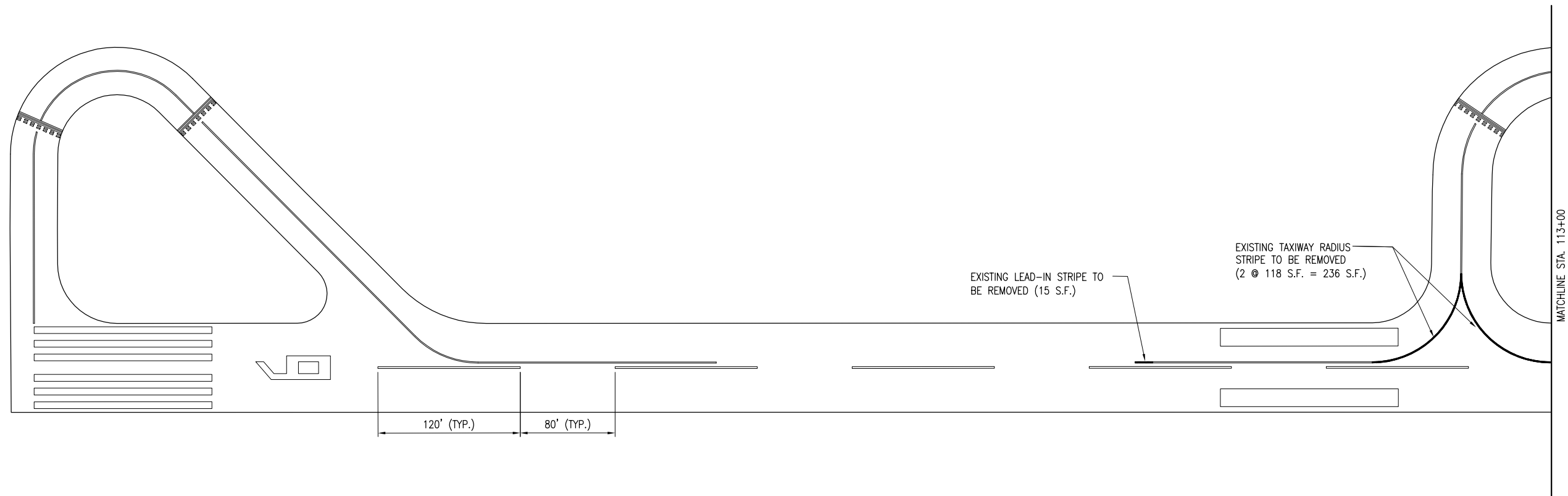
IDA No: C15-4329

Contract No. PN008

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: MONTH DAY, YEAR
PROJECT NO: 13A0079D
CAD FILE: C-131-DRN.DWG
LAYOUT BY: BKB 03/25/2014
DRAWN BY: BAK 03/25/2014
REVIEWED BY: KBS 06/13/2014
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SHEET TITLE

**PROPOSED DRAINAGE
PLAN STA. 126+00 TO
STA. 150+00**



620900—PAVEMENT MARKING REMOVAL NOTES

THE EXISTING PAVEMENT MARKING SHALL BE REMOVED IN ACCORDANCE WITH ITEM 620 "PAVEMENT MARKING" AS STATED ON PAGE 272 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.

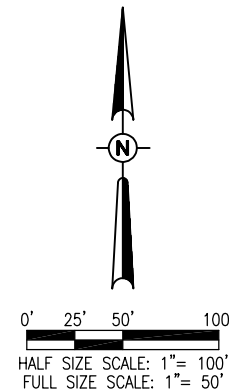
THE AREAS THAT ARE DESIGNATED FOR REMOVAL ARE SHOWN ON THIS SHEET AND SHEET NO. 8. THE CONTRACTOR WILL USE CONSISTENT EFFORT ACROSS THE AREA DESIGNATED FOR REMOVAL SO AFTER THE MARKING REMOVAL HAS BEEN COMPLETED THE REMOVAL AREA WILL HAVE A UNIFORM APPEARANCE AND THE REMOVED MARKING CANNOT BE DISCERNED.

THE PREFERRED METHOD OF REMOVAL IS GRINDING.

ALL AREAS TO BE REMOVED ARE CALCULATED AREAS. ANY ADDITIONAL AREAS, DUE TO OVER SPRAY, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE PROPOSED MARKING REMOVAL WILL BE PAID FOR UNDER ITEM:
AR620900 PAVEMENT MARKING REMOVAL ____ PER S.F.

- LEGEND**
- EXISTING PAVEMENT
 - EXISTING MARKING
 - PROPOSED MARKING REMOVAL



REHABILITATE
RUNWAY 9-27

IDA No: C15-4329

Contract No. PN008

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

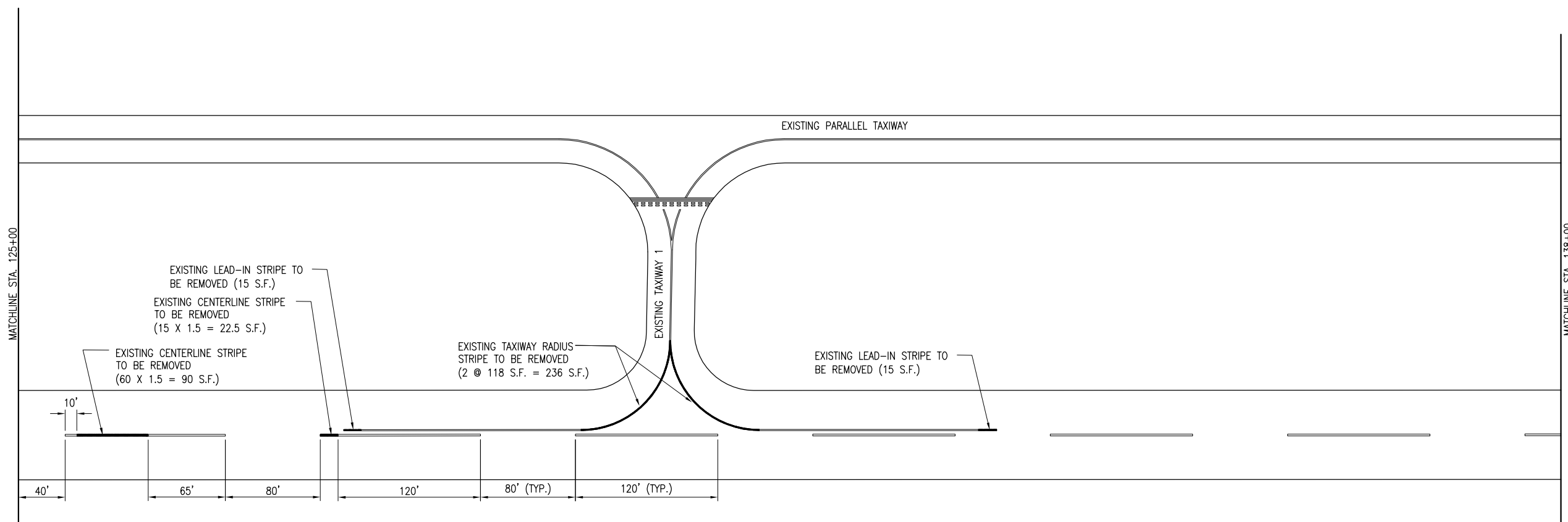
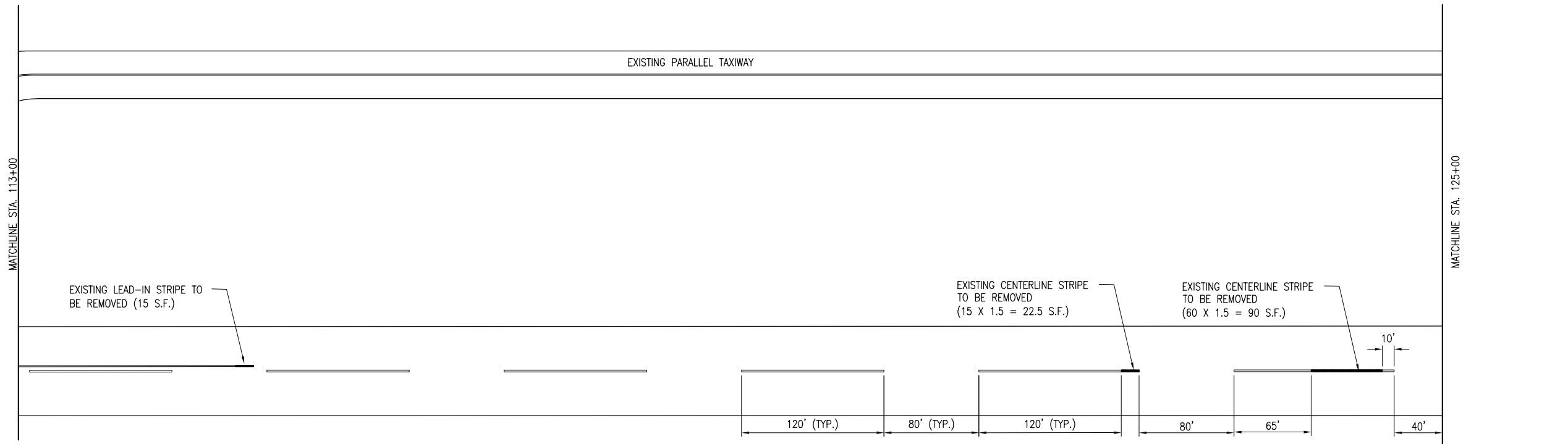
ISSUE: MONTH DAY, YEAR

PROJECT NO: 13A0079D
CAD FILE: C-152-MRK.DWG
LAYOUT BY: CAH 05/29/2014
DRAWN BY: CAH 05/29/2014
REVIEWED BY: KBS 06/13/2014

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SHEET TITLE

EXISTING MARKING
PLAN STA. 100+00 TO
STA. 113+00



LEGEND

- EXISTING PAVEMENT
- EXISTING MARKING
- PROPOSED MARKING REMOVAL

0' 25' 50' 100'

HALF SIZE SCALE: 1" = 100'

FULL SIZE SCALE: 1" = 50'

**REHABILITATE
RUNWAY 9-27**

IDA No: C15-4329

Contract No. PN008

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: MONTH DAY, YEAR

PROJECT NO: 13A0079D

CAD FILE: C-152-MRK.DWG

LAYOUT BY: CAH 05/29/2014

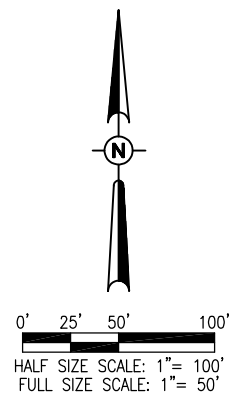
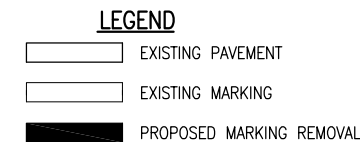
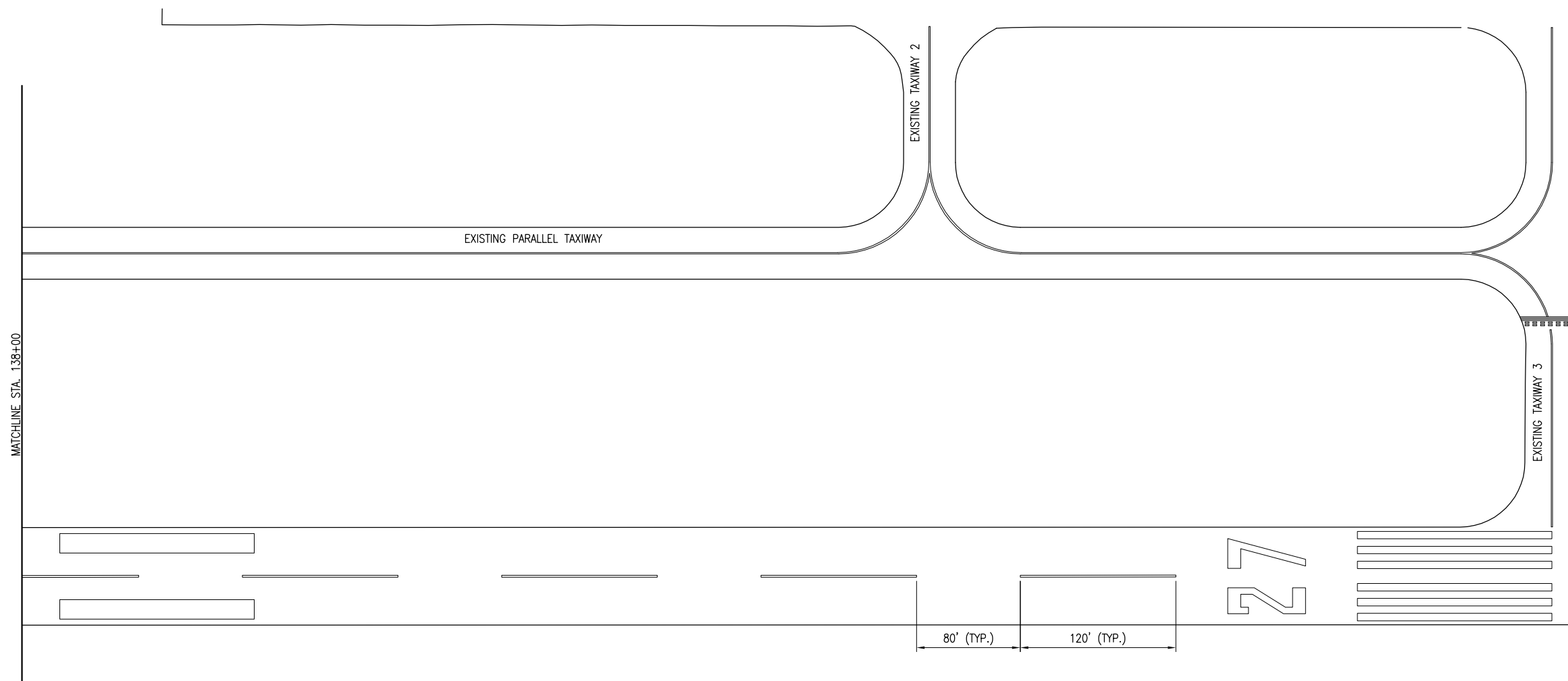
DRAWN BY: CAH 05/29/2014

REVIEWED BY: KBS 06/13/2014

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SHEET TITLE

**EXISTING MARKING
PLAN STA. 113+00 TO
STA. 138+00**



**REHABILITATE
RUNWAY 9-27**

IDA No: C15-4329

Contract No. PN008

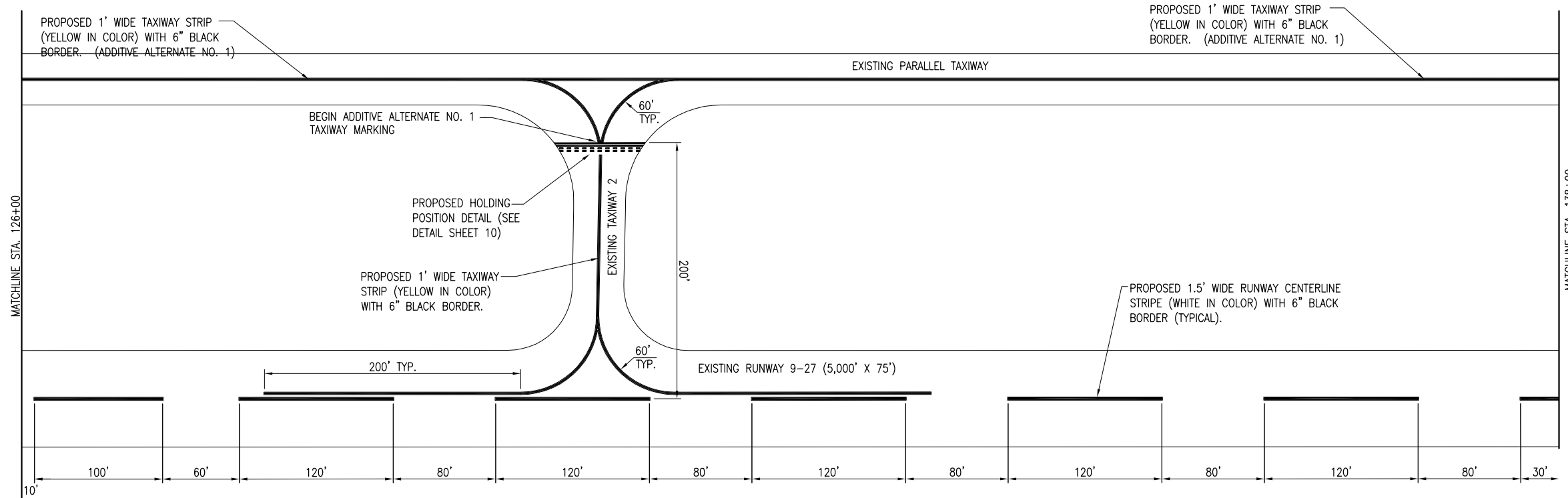
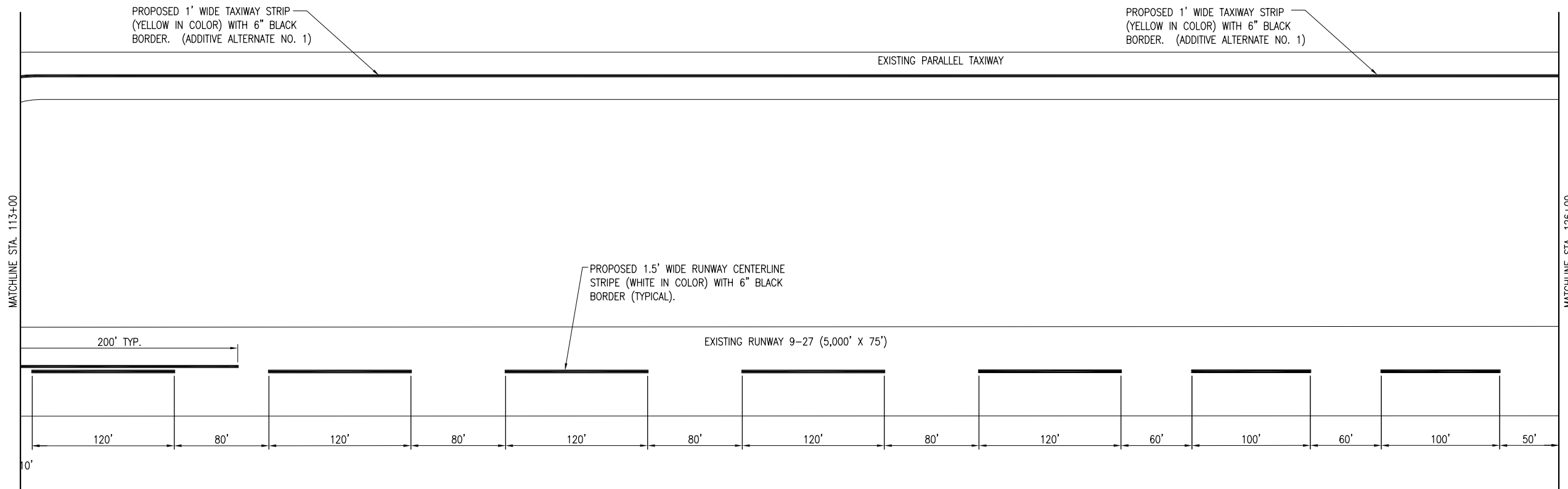
NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: MONTH DAY, YEAR

PROJECT NO: 13A0079D
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LAYOUT BY: CAH 05/29/2014
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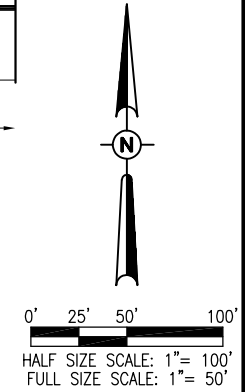
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SHEET TITLE

**EXISTING MARKING
PLAN STA. 138+00 TO
STA. 150+00**



LEGEND

	EXISTING PAVEMENT
	EXISTING MARKING
	PROPOSED MARKING



**REHABILITATE
RUNWAY 9-27**

IDA No: C15-4329

Contract No. PN008

NO.	DATE	DESCRIPTION	
		LAY	REV

ISSUE: MONTH DAY, YEAR

PROJECT NO: 13A0079D
CAD FILE: C-151-MRK.DWG
LAYOUT BY: BKB 03/25/2014
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**PROPOSED MARKING
PLAN STA. 113+00 TO
STA. 138+00**

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: MONTH DAY, YEAR

PROJECT NO: 13A0079D

CAD FILE: C-151-MRK.DWG

LAYOUT BY: BKB 03/25/2014

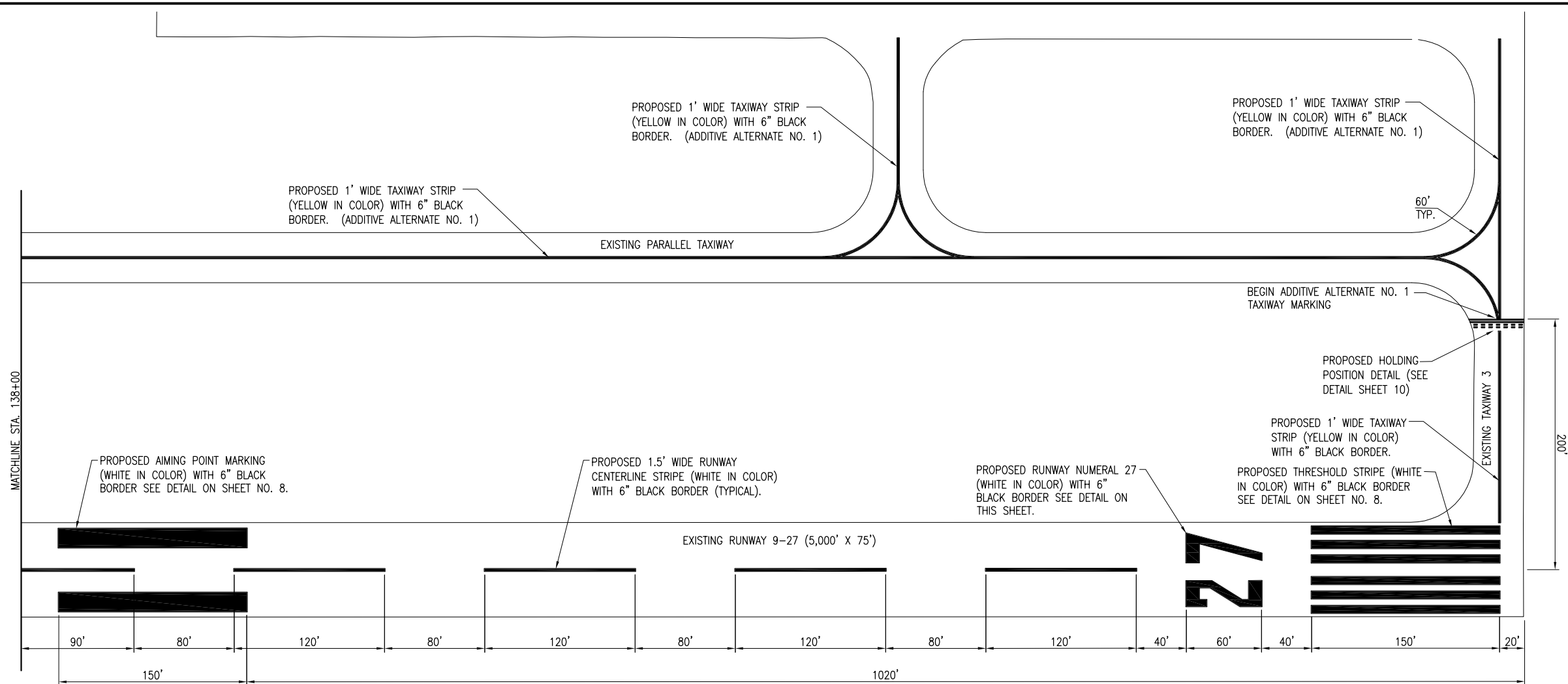
DRAWN BY: BAK 03/25/2014

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SHEET TITLE

PROPOSED MARKING
PLAN STA. 138+00 TO
STA. 150+00



PROPOSED MARKING QUANTITIES FOR RUNWAY 9-27

DESCRIPTION	UNIT AREA	NO. REQUIRED	TOTAL AREA
RUNWAY CENTERLINE STRIPE (120')	180	20	3,600
RUNWAY CENTERLINE STRIPE (100')	150	3	450
NUMBER 2	652	1	652
NUMBER 7	471	1	471
NUMBER 9	712	1	712
THRESHOLD STRIPE	862.5	12	10,350
AIMING POINT MARKER	2,250	4	9,000
TOTAL WHITE			25,235
HOLDING LINE (TEA CUP TURNAROUND)	120	2	240
HOLDING LINE (TAXIWAY 1)	144	1	144
HOLDING LINE (TAXIWAY 2)	200	1	200
HOLDING LINE (TAXIWAY 3)	128	1	128
TAXIWAY CENTERLINE STRIPE	2,456		2,456
TOTAL YELLOW			3,168
RUNWAY CENTERLINE STRIPE (120')	122.5	20	2,450
RUNWAY CENTERLINE STRIPE (100')	102.5	3	307.5
NUMBER 2	106	1	106
NUMBER 7	89	1	89
NUMBER 9	114	1	114
THRESHOLD STRIPE	156.75	12	1,881
AIMING POINT MARKER	166	4	664
HOLDING LINE (TEA CUP TURNAROUND)	200	2	400
HOLDING LINE (TAXIWAY 1)	240	1	240
HOLDING LINE (TAXIWAY 2)	333	1	333
HOLDING LINE (TAXIWAY 3)	215	1	215
TAXIWAY CENTERLINE STRIPE	2,456		2,456
TOTAL BLACK			9,256
TOTAL MARKING			37,659

PROPOSED MARKING QUANTITIES FOR TAXIWAY - ADDITIVE ALTERNATE NO. 1

TAXIWAY CENTERLINE STRIPE	4,511		4,511
TOTAL YELLOW			4,511
TAXIWAY CENTERLINE STRIPE	4,511		4,511
TOTAL BLACK			4,511

620-PAVEMENT MARKING-WATERBORNE NOTES

THE PAVEMENT MARKING-WATERBORNE (620) SHALL BE PLACED IN ACCORDANCE WITH ITEM 620 "PAVEMENT MARKING" AS STATED ON PAGE 272 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.

THIS ITEM SHALL CONSIST OF WHITE MARKING (THRESHOLD STRIPES, RUNWAY NUMERALS, RUNWAY CENTERLINE STRIPES AND AIMING POINT MARKING) AND YELLOW MARKING (TAXIWAY CENTERLINE STRIPES AND HOLDING LINES) IN ACCORDANCE WITH THESE SPECIFICATIONS AND AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. ALL MARKING WILL BE WHITE OR YELLOW IN COLOR WITH A 6-IN BLACK BORDER. THE PROPOSED PAVEMENT MARKING WILL BE APPLIED IN TWO APPLICATIONS.

ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL ENTIRELY AT THE VENDOR'S EXPENSE, INCLUDING HANDLING AND TRANSPORTATION CHARGES.

ALL PROPOSED MARKING WILL BE COMPLETED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION PLANS.

GLASS BEADS SHALL BE REQUIRED ONLY ON THE SECOND APPLICATION OF WHITE MARKING.

CUT-OFF SHEETS WILL BE REQUIRED TO INSURE STRAIGHT EDGES.

THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM:
AR620520 PAVEMENT MARKING-WATERBORNE ___ PER S.F.
AR620525 PAVEMENT MARKING-BLACK BORDER ___ PER S.F.

ADDITIVE ALTERNATE NO. 1 MARKING NOTES

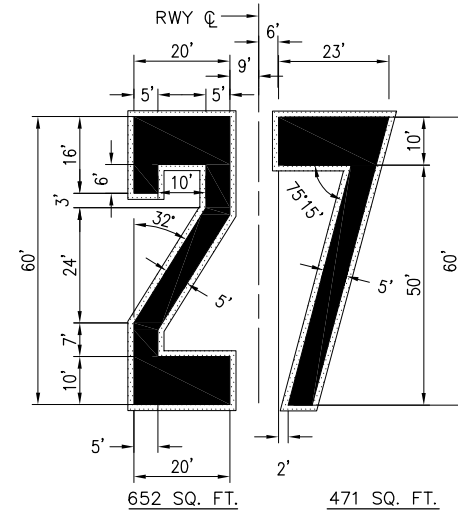
THE PAVEMENT MARKING ASSOCIATED WITH THE PARTIAL PARALLEL TAXIWAY WILL BE ACCOMPLISHED UNDER ADDITIVE ALTERNATE NO. 1.

ADDITIVE ALTERNATE NO. 1 MARKING SHALL BEGIN ON THE NORTH SIDE OF THE HOLDING LINES ON TAXIWAY NO. 1, 2 AND 3 (AS SHOWN ON THESE MARKING PLAN SHEETS).

THE PROPOSED TAXIWAY STRIPES WILL BE 12" IN WIDTH (YELLOW IN COLOR) AND WILL HAVE A 6" BLACK BORDER.

THE PROPOSED MARKING WILL BE APPLIED IN TWO APPLICATIONS WITH BEADS APPLIED DURING THE SECOND APPLICATION. NO BEADS ARE REQUIRED FOR THE BLACK BORDER.

THE PROPOSED ADDITIVE ALTERNATE NO. 1 MARKING WILL BE PAID FOR UNDER ITEM:
AS620520 PAVEMENT MARKING-WATERBORNE ___ PER S.F.
AS620525 PAVEMENT MARKING-BLACK BORDER ___ PER S.F.



PROPOSED RUNWAY NUMERAL 27 DETAIL

"NOT TO SCALE"

LEGEND

- EXISTING PAVEMENT
- EXISTING MARKING
- PROPOSED MARKING

