

VILLAGE OF RANTOUL RANTOUL NATIONAL AVIATION CENTER

REMARK RUNWAYS 18/36 AND 9/27

RANTOUL, ILLINOIS

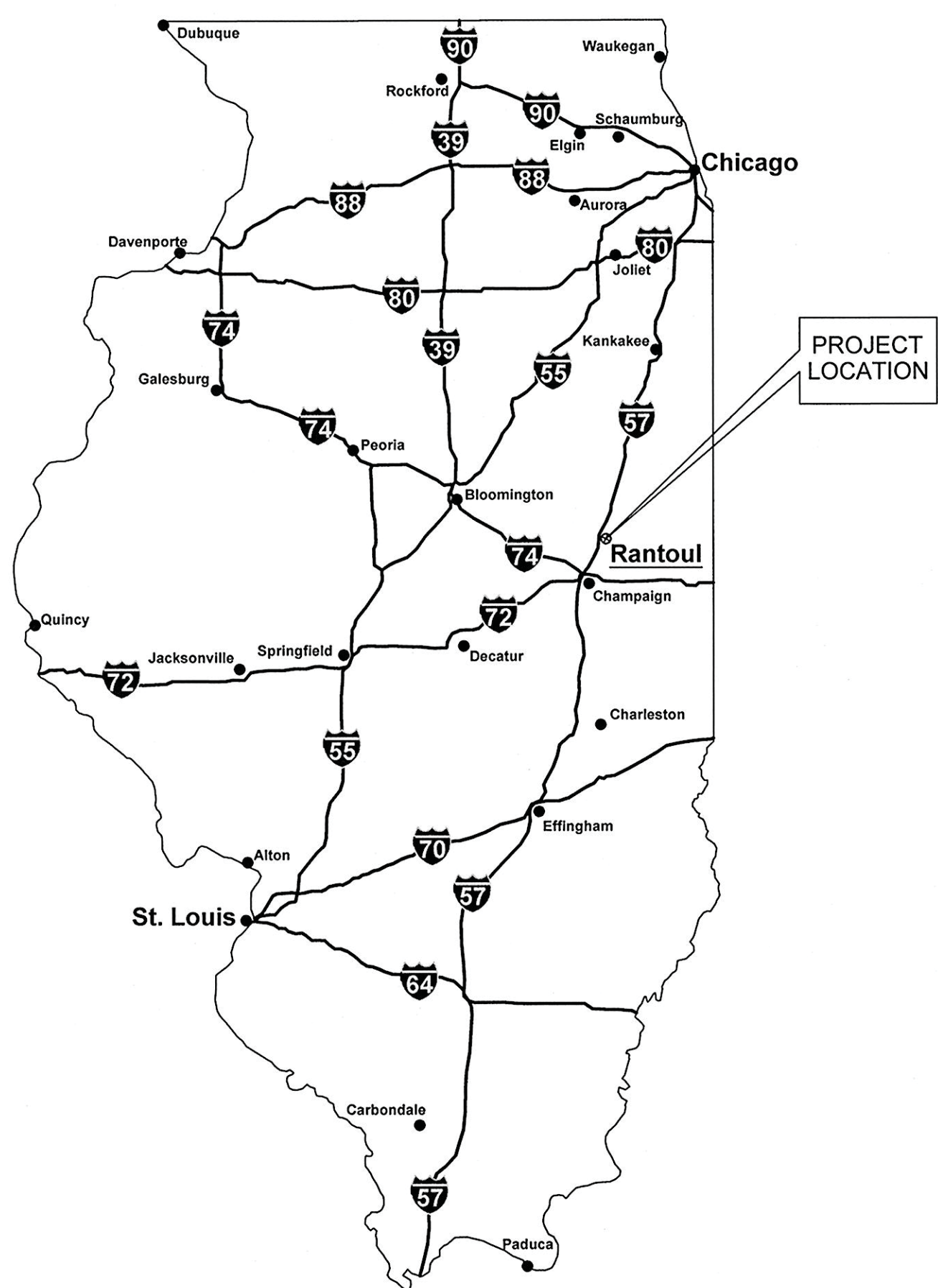
AIP PROJECT 3-17-0136-B13

IL PROJECT TIP-4011

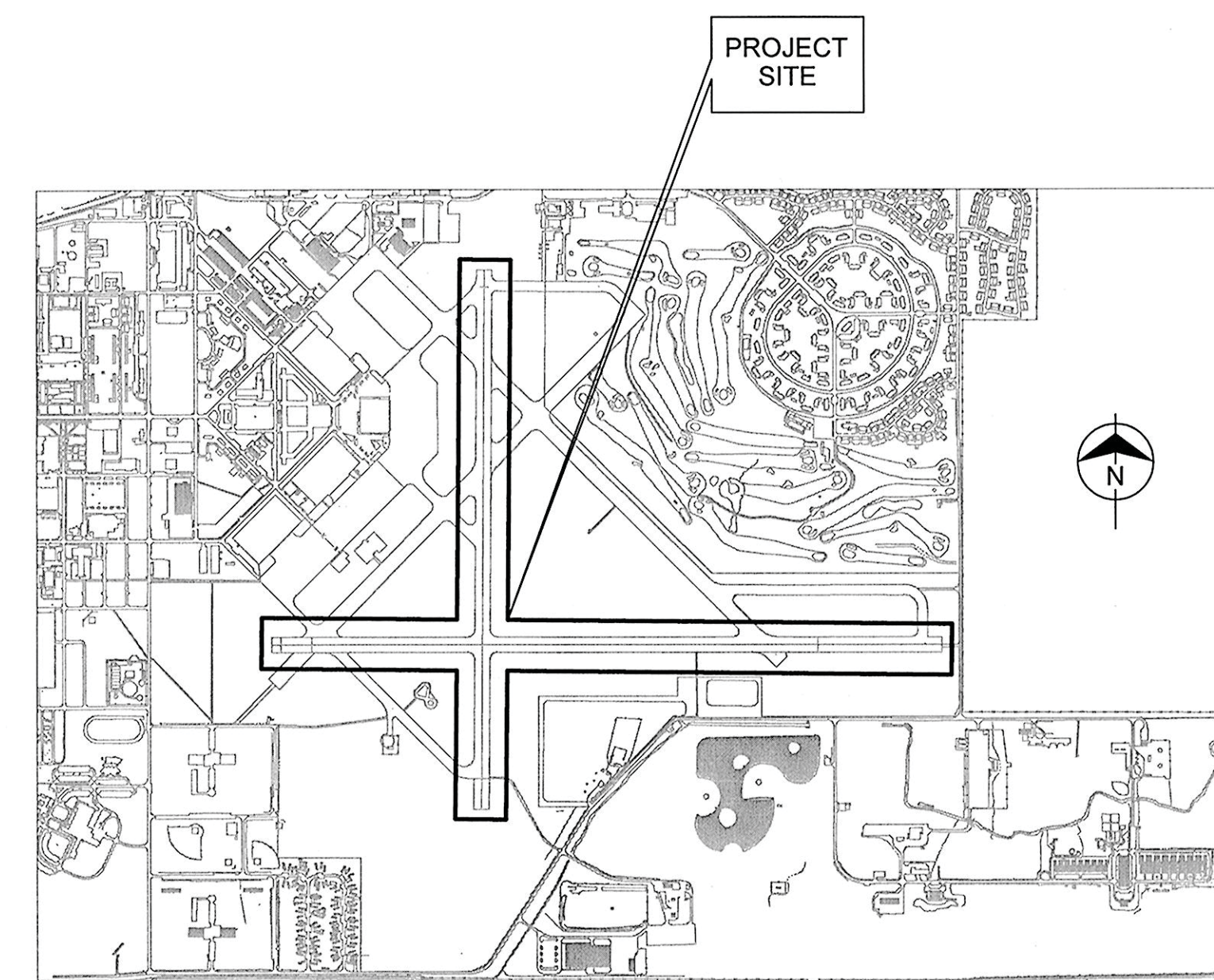
Contract Drawings

MAY 2012

PROJECT NO. 67423



LOCATION MAP



SITE MAP



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| no. | date | by | ckd | description |
|-----|----------|----|-----|----------------|
| 0 | 05/09/12 | JY | BJQ | ISSUED FOR BID |

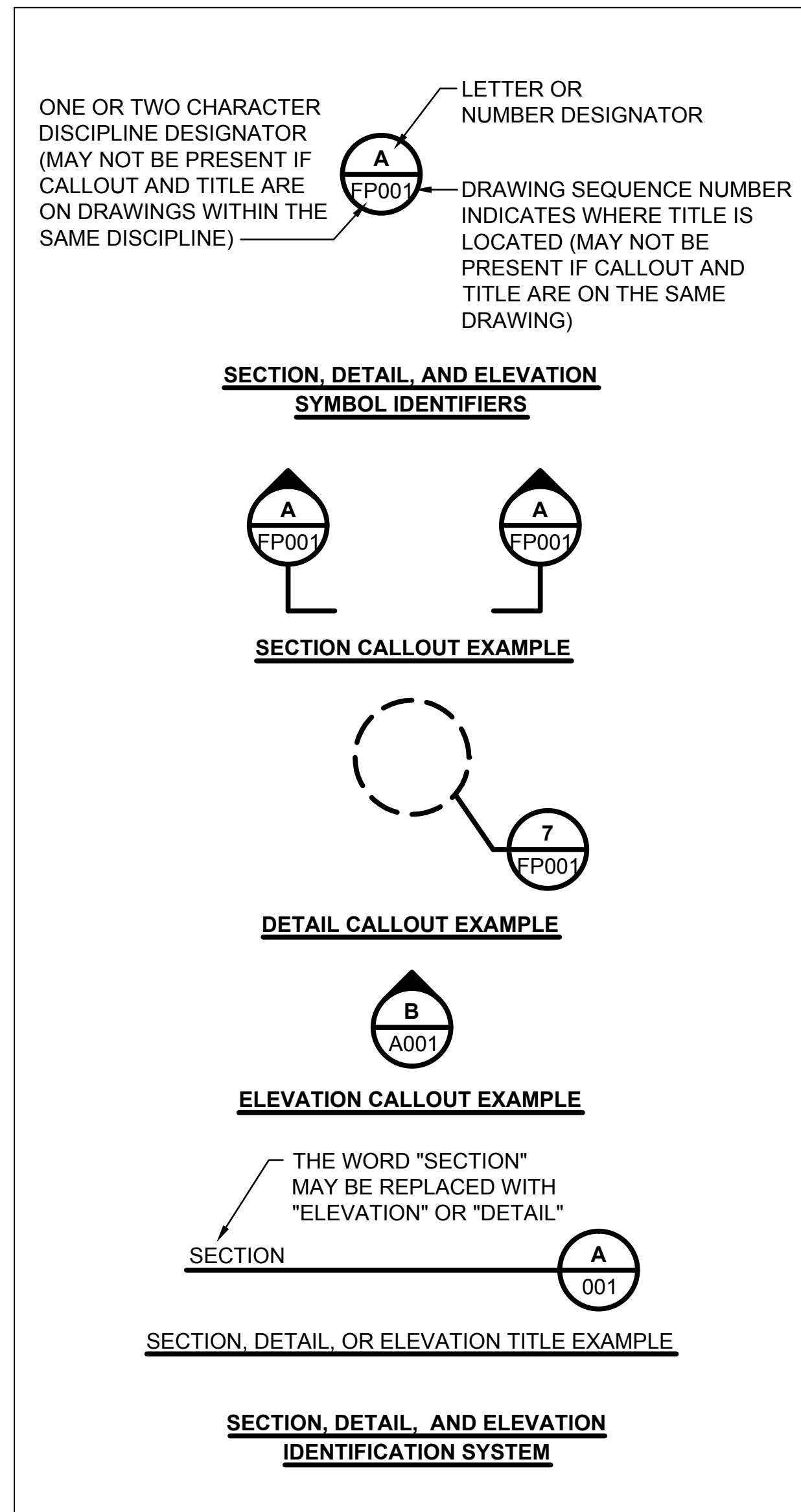


COVER

| no. | date | by | ckd | description |
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| 0 | 05/09/12 | JY | BJQ | ISSUED FOR BID |

| SUMMARY OF QUANTITIES | | | | |
|-----------------------|--------------|-----------------------------|-----|----------|
| ITEM NO. | PAY ITEM NO. | DESCRIPTION | UOM | QUANTITY |
| 1 | AR150520 | MOBILIZATION | LS | 1 |
| 2 | AR150530 | TRAFFIC MAINTENANCE | LS | 1 |
| 3 | AR620900 | PAVEMENT MARKING REMOVAL | SF | 28,000 |
| 4 | AR620520 | PAVEMENT MARKING WATERBORNE | SF | 142,751 |

| INDEX OF DRAWINGS | | |
|-------------------|-------------|--|
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| 14 OF 15 | C2.05 | RUNWAY MARKING PLAN |
| 15 OF 15 | C3.01 | RUNWAY MARKING DETAILS |



ABBREVIATIONS:

| | |
|------|---------------------------------------|
| AOA | AIR OPERATIONS AREA |
| AWOS | AUTOMATED WEATHER OBSERVATION SYSTEM |
| BM | BENCHMARK |
| CL | CENTERLINE |
| DOA | DIVISION OF AERONAUTICS |
| E | EAST |
| EA | EACH |
| EG | EXISTING GROUND |
| ELEV | ELEVATION |
| FAA | FEDERAL AVIATION ADMINISTRATION |
| FOD | FOREIGN OBJECT DEBRIS |
| FT | FEET |
| IDOT | ILLINOIS DEPARTMENT OF TRANSPORTATION |
| LF | LINEAR FOOT |
| LS | SUMP SUM |
| LT | LEFT |
| MAX | MAXIMUM |
| MIN | MINIMUM |
| N | NORTH |
| NE | NORTHEAST |
| NO. | NUMBER |
| NW | NORTHWEST |
| NTS | NOT TO SCALE |
| OC | ON-CENTER |
| R | RADIUS |
| RT | RIGHT |
| RW | RUNWAY |
| S | SOUTH |
| SCH | SCHEDULE |
| STA | STATION |
| SW | SOUTHWEST |
| SY | SQUARE YARD |
| TBM | TEMPORARY BENCHMARK |
| TW | TAXIWAY |
| TYP | TYPICAL |
| UG | UNDERGROUND |
| UON | UNLESS OTHERWISE NOTED |
| VERT | VERTICAL |
| W | WEST |

Millimeters

Scale For Microfitting

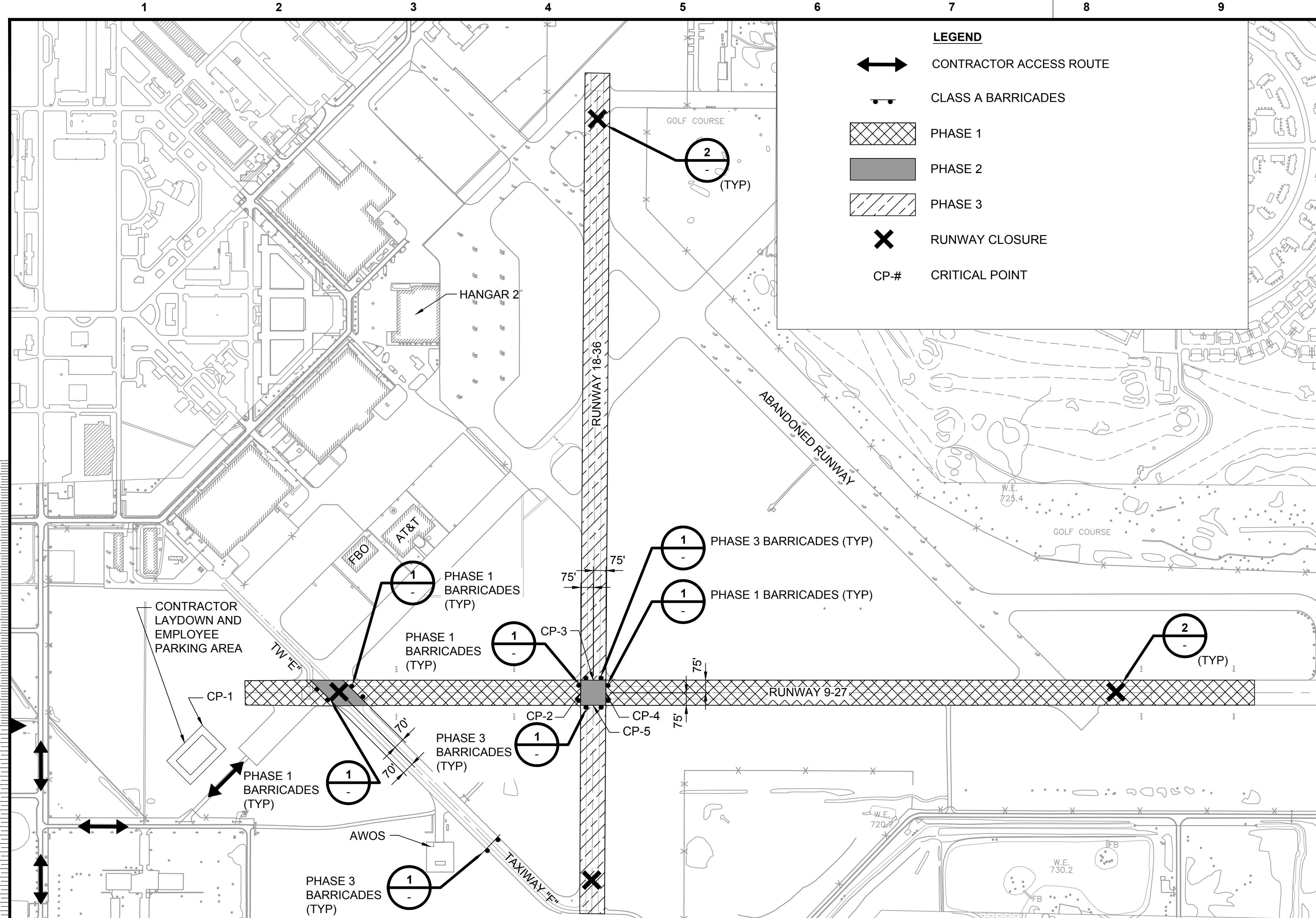
Inches



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|----------|------------|----------|------------|
| date | 04/10/2012 | detailed | J. YAHYA |
| designed | J. YAHYA | checked | B. QUINLAN |

REMARK RUNWAYS 18/36 AND 9/27
INDEX OF DRAWINGS, SUMMARY OF QUANTITIES AND ABBREVIATIONS

| | | | |
|----------------------------|--------------|----------|-----------|
| project | 67423 | contract | CONTRACT |
| drawing | G1.01 | rev. | 0 |
| sheet | 2 | of | 15 sheets |
| file 67423_G1.01_INDEX.DWG | | | |



LEGEND

- CONTRACTOR ACCESS ROUTE
- CLASS A BARRICADES
- PHASE 1
- PHASE 2
- PHASE 3
- RUNWAY CLOSURE
- CP.# CRITICAL POINT

THRESHOLD LOCATION TABLE

| RUNWAY THRESHOLD | LATITUDE | LONGITUDE | ELEVATION |
|------------------|-------------------|-------------------|-----------|
| 9 | 40° 17' 31.11841" | 88° 08' 59.62096" | 735.52 |
| 27 | 40° 17' 31.47419" | 88° 07' 55.09473" | 728.47 |
| 36 | 40° 17' 18.94840" | 88° 08' 37.87045" | 733.43 |
| 18 | 40° 18' 07.31820" | 88° 08' 37.90095" | 736.88 |

SAFETY & PHASING NARRATIVE

PHASE 1 - RW 9/27 CLOSED (DAY AND NIGHT)
RW 18/36 OPEN (DAY AND NIGHT)

DURATION:
- 22 CALENDAR DAYS

MAJOR WORK ITEMS:
- REMOVE PAVEMENT MARKINGS
- SURFACE PREPARATION AND PAVEMENT MARKING PLACEMENT

SAFETY REQUIREMENTS:
- PLACE AND MAINTAIN BARRICADES
- REMOVE BARRICADES
- PLACE AND MAINTAIN RUNWAY CLOSURE X'S

GENERAL SAFETY REQUIREMENTS:
- REFER TO ACCESS AND SAFETY NOTES ON DRAWING G1.03

PHASE 2 - RW 9/27 CLOSED (DAY AND NIGHT)
RW 18/36 CLOSED (DAY AND NIGHT)

DURATION:
- 4 CALENDAR DAYS

MAJOR WORK ITEMS:
- SURFACE PREPARATION AND PAVEMENT MARKING PLACEMENT

SAFETY REQUIREMENTS:
- PLACE AND MAINTAIN RUNWAY CLOSURE X'S

GENERAL SAFETY REQUIREMENTS:
- REFER TO ACCESS AND SAFETY NOTES ON DRAWING G1.03

PHASE 3 - RW 9/27 OPEN (DAY AND NIGHT)
RW 18/36 CLOSED (DAY AND NIGHT)

DURATION:
- 14 CALENDAR DAYS

MAJOR WORK ITEMS:
- REMOVE PAVEMENT MARKINGS
- SURFACE PREPARATION AND PAVEMENT MARKING PLACEMENT

SAFETY REQUIREMENTS:
- PLACE AND MAINTAIN BARRICADES
- REMOVE BARRICADES
- PLACE AND MAINTAIN RUNWAY CLOSURE X'S

GENERAL SAFETY REQUIREMENTS:
- REFER TO ACCESS AND SAFETY NOTES ON DRAWING G1.03

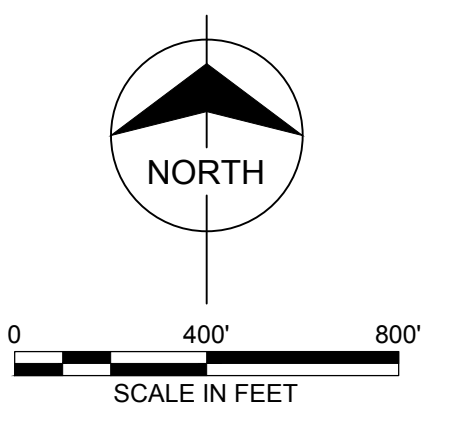
TIME OF COMPLETION SCHEDULE

| DESCRIPTION | DURATION (CALENDAR DAYS) | 10 | 20 | 30 | 40 | 50 |
|--------------|--------------------------|----|----|----|----|----|
| MOBILIZATION | 4 | | | | | |
| PHASE 1 | 22 | | | | | |
| PHASE 2 | 4 | | | | | |
| PHASE 3 | 14 | | | | | |

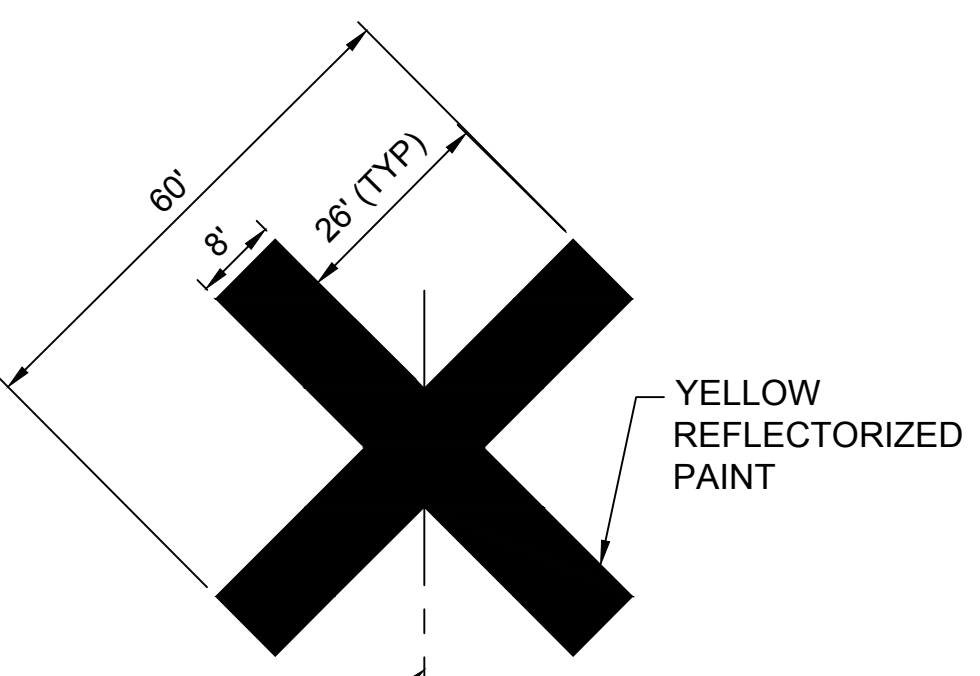
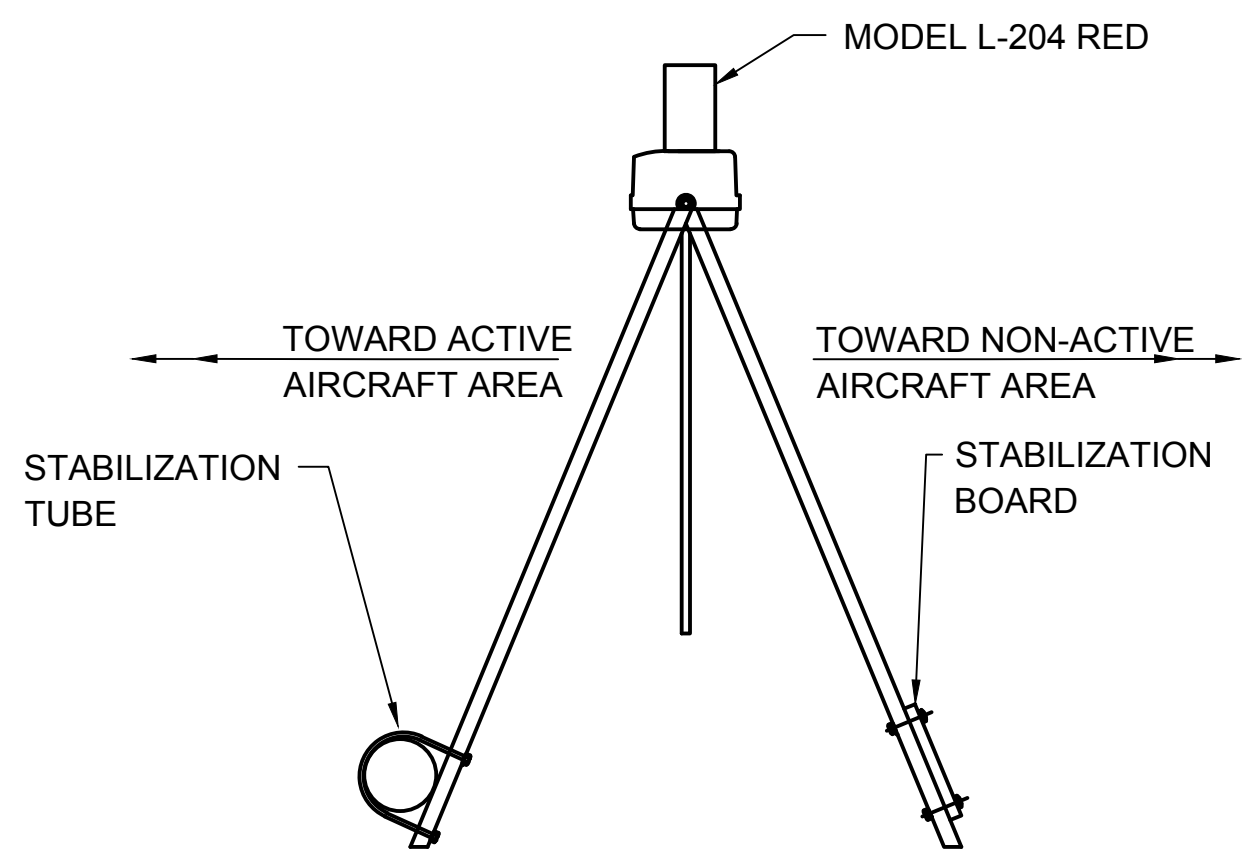
CRITICAL POINT TABLE

| POINT | LATITUDE | LONGITUDE | ELEVATION | MAX. EQUIP HEIGHT |
|-------|----------------|----------------|-----------|-------------------|
| CP-1 | 40° 17' 29.18" | 88° 09' 07.85" | 734.29' | 25' |
| CP-2 | 40° 17' 31.24" | 88° 08' 38.85" | 734.29' | 25' |
| CP-3 | 40° 17' 31.99" | 88° 08' 37.89" | 734.30' | 25' |
| CP-4 | 40° 17' 31.25" | 88° 08' 36.92" | 733.92' | 25' |
| CP-5 | 40° 17' 30.50" | 88° 08' 37.89" | 733.83' | 25' |

| no. | date | by | ckd | description |
|-----|----------|----|-----|----------------|
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Millimeters
Scale For Microfitting
Inches



NOTE:
CLOSED RUNWAY CROSS TO BE CONSTRUCTED OF PLYWOOD, DOUBLE-LAYERED PAINTED SNOW FENCE, COLORED PLASTIC, OR SIMILAR MATERIAL APPROVED BY ENGINEER. CROSS SHALL BE CONSTRUCTED FOR TEMPORARY USE AND EASY REMOVAL, AND NOT SUBJECT TO MOVEMENT BY WIND. ANCHOR WITH SAND BAGS AS REQUIRED. CROSS SHALL BE PLACED OVER RUNWAY NUMERALS.



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|----------|------------|----------|------------|
| date | 04/10/2012 | detailed | J. YAHYA |
| designed | J. YAHYA | checked | B. QUINLAN |

REMARK RUNWAYS 18/36 AND 9/27
ACCESS, SAFETY AND PHASING PLAN, DETAILS AND NOTES

| | | | |
|-----------------------------|--------------|----------|---------------|
| project | 67423 | contract | CONTRACT |
| drawing | G1.02 | | rev. 0 |
| sheet | 3 | of 15 | sheets |
| file 67423_G1.02_ACCESS.DWG | | | |

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ACCESS AND SAFETY NOTES:

I. ACCESS AND VEHICLE PARKING:

- A. ACCESS POINT AND HAUL ROUTE FOR ALL CONTRACTOR PERSONNEL, VEHICLES AND EQUIPMENT ARE AS SHOWN ON THE ACCESS, SAFETY AND PHASING PLAN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS AND COORDINATE OFF SITE HAUL ROUTES WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. HAUL ROUTES ARE TO REMAIN CLEAN AT ALL TIMES.
- B. CONTRACTOR SHALL PROVIDE AND INSTALL A PROFESSIONALLY PAINTED SIGN MEETING AIRPORT MANAGER APPROVAL AT THE CONSTRUCTION ENTRANCE TO DIRECT MATERIAL SUPPLIERS AND EMPLOYEES TO THE CONSTRUCTION SITE. THE SIGN SHALL READ "CONSTRUCTION VEHICLES ONLY - NO VENDORS ALLOWED".
- C. ALL CONTRACTOR VEHICLES AND PERSONNEL SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES. NO CONTRACTOR VEHICLES WILL BE ALLOWED ON OTHER AIRFIELD OPERATIONS AREAS.
- D. THE LIMITS OF CONSTRUCTION, MATERIAL STORAGE AREAS, EQUIPMENT STORAGE AREA, PARKING AREA AND OTHER AREAS DEFINED AS REQUIRED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION SHALL BE MARKED BY THE CONTRACTOR. TEMPORARY BARRICADES, FLAGGING AND FLASHING WARNING LIGHTS WILL BE REQUIRED AT CRITICAL ACCESS POINTS. TYPE OF MARKING AND WARNING DEVICES SHALL BE APPROVED BY THE ENGINEER AND AIRPORT MANAGER.
- E. ALL ACCESS GATES SHALL BE KEPT CLOSED DURING CONTRACTOR'S WORK HOURS. THE CONTRACTOR SHALL CLOSE AND LOCK ACCESS GATE AT THE COMPLETION OF EACH WORK DAY. AIRPORT MANAGER WILL PROVIDE LOCK AND KEYS FOR ACCESS GATE.

II. COORDINATION AND COMMUNICATION DURING CONSTRUCTION:

- A. CONTRACTOR SHALL ADVISE AND THEN VERIFY WITH RESIDENT ENGINEER 72 HOURS IN ADVANCE AS TO THE NEED FOR NOTICES TO AIRMEN (NOTAMS). NO RUNWAY, TAXIWAY OR APRON SHALL BE CLOSED WITHOUT APPROVAL FROM THE RESIDENT ENGINEER.
- B. CONTRACTOR SHALL APPOINT A CONSTRUCTION SUPERINTENDENT, SUBJECT TO THE APPROVAL OF THE AIRPORT MANAGER, WHO SHALL BE PRESENT ON THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS WHILE JOB IS IN PROGRESS. THE SUPERINTENDENT SHALL BE DESIGNATED THE RESPONSIBLE CONTRACTOR'S REPRESENTATIVE WHO SHALL BE AVAILABLE ON A 24-HOUR BASIS.
- C. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CORDON OFF THE WORK AREA AS SHOWN ON DRAWING G1.02 BY USING BARRICADES AS DETAILED ON G1.02. CONTRACTOR SHALL MAINTAIN, MOVE AND REMOVE BARRICADES (AS DIRECTED) TO DELINEATE AREAS CLOSED TO AIRCRAFT TRAFFIC.
- D. PRIOR TO COMMENCEMENT OF CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO AIRPORT MANAGER THE NAME AND TELEPHONE NUMBER OF THE INDIVIDUAL(S) WHO WILL BE ON CALL 24 HOURS PER DAY FOR EMERGENCY MAINTENANCE OF AIRPORT HAZARD LIGHTING & BARRICADES.
- E. CONTRACTOR SHALL FURNISH AN AIRPORT RADIO AND CONTINUOUSLY MONITOR AIRCRAFT TRAFFIC ON AND AROUND THE AIRPORT. THE FREQUENCY FOR LOCAL TRAFFIC IS 123.0 MHz.
- F. THE FOLLOWING CONTACT INFORMATION IS PROVIDED FOR CONTRACTOR'S USE IN CASE OF EMERGENCY:

EMERGENCY
911

RANTOUL MUNICIPAL BUILDING
(217) 893-1661

RANTOUL NATIONAL AVIATION CENTER
AIRPORT MANAGER, BILL CLAYTON
(217) 893-4291, (217) 841-3787

RANTOUL PUBLIC WORKS DEPARTMENT
(ELECTRIC, GAS, WATER & SEWER)
GREG HAZEL
(217) 892-2178

VERIZON COMMUNICATIONS
JOE BIRCH
(217) 892-3338, (217) 493-7786

OTHER CONTACTS AS DIRECTED AT
PRE-CONSTRUCTION MEETING

- G. PRIOR TO THE COMPLETION OF EACH WORK DAY, ALL AIRFIELD PAVEMENT SURFACES WITHIN AND ADJACENT TO THE WORK AREA AND THOSE USED AS HAUL ROUTES SHALL BE SWEEP CLEAN.
- H. PRIOR TO THE OPENING OF A CLOSED RUNWAY OR TAXIWAY, THE CONTRACTOR SHALL REQUEST THE ENGINEER TO SCHEDULE AN INSPECTION. NO TAXIWAY OR RUNWAY SHALL BE RE-OPENED UNTIL ENGINEER HAS COMPLETED INSPECTION AND APPROVED THE RE-OPENING OF ACTIVE AREAS.
- I. THERE WILL BE OTHER CONSTRUCTION WORK OCCURRING SIMULTANEOUSLY WITH THIS PROJECT. CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS WORKING ON THE AIRPORT. ANY SCHEDULE DELAYS OR DAMAGE TO EQUIPMENT OR MATERIALS INSTALLED AS PART OF THIS PROJECT INCURRED AS A RESULT OF OTHER CONTRACTOR'S ACTIVITIES SHALL BE REMEDIATED AT NO COST TO THE OWNER.

III. TRAFFIC CONTROL:

- A. ALL CONSTRUCTION EQUIPMENT AND VEHICLES SHALL BE MARKED WITH COMPANY PAINT DESIGNS, INSIGNIAS OR OTHER COMPANY MARKINGS, WHICH ARE CLEARLY VISIBLE. CONTRACTOR SHALL PROVIDE EACH VEHICLE WITH A FLAG ON A STAFF ATTACHED TO THE VEHICLE SO THAT THE FLAG WILL BE READILY VISIBLE. THE FLAG SHOULD BE AT LEAST 3 FOOT SQUARE, AND HAVE A CHECKERED PATTERN OF INTERNATIONAL ORANGE AND WHITE.
- B. CONSTRUCTION EQUIPMENT SHALL HAVE AUTOMATIC SIGNALING DEVICES TO SOUND AN ALARM WHEN MOVING IN REVERSE.
- C. ONLY RUBBER Tired VEHICLES WILL BE ALLOWED ON PAVEMENT.
- D. NO PEDESTRIAN TRAFFIC OUTSIDE THE CONSTRUCTION WORK SITE WILL BE PERMITTED.
- E. ANY DAMAGE TO AIRPORT ROADS, AIRFIELD PAVEMENT, OR TURF AREAS DUE TO CONSTRUCTION EQUIPMENT OR CONSTRUCTION TRAFFIC SHALL BE REPAIRED TO ORIGINAL CONDITION TO THE SATISFACTION OF AND AT NO EXPENSE TO THE OWNER.
- F. ANY WORKERS AND/OR EQUIPMENT NOT IN COMPLIANCE WITH SAFETY PLAN SHALL IMMEDIATELY BE REMOVED FROM THE WORK AREA AND THEY WILL NOT BE PERMITTED TO WORK ON THE SITE THROUGHOUT THE REMAINDER OF THE PROJECT.

IV. EQUIPMENT AND STOCKPILE HEIGHT:

- A. THE MAXIMUM ALLOWABLE HEIGHT OF CONSTRUCTION EQUIPMENT OPERATING IN THE AOA IS 25'. HOWEVER, EQUIPMENT MUST NOT PENETRATE THE OFZ OF ANY ACTIVE RUNWAY AS DEFINED IN FAA AC 150/5300-13, CURRENT VERSION.
- B. CONTRACTOR SHALL NOT STOCKPILE CONSTRUCTION MATERIALS, SPOILS, DEBRIS OR REFUSE IN ANY AREA WHERE SUCH STOCKPILES WOULD PENETRATE APPROACH SURFACES. STOCKPILING OF MATERIAL WITHIN THE SAFETY AREA OF AN ACTIVE RUNWAY OR TAXIWAY IS PROHIBITED.
- C. ALL STOCKPILES ADJACENT TO ACTIVE RUNWAY SAFETY AREAS OR OBSTACLE FREE ZONES SHALL BE IDENTIFIED WITH A 360 DEGREE RED OBSTRUCTION LIGHT PLACED AT THE HIGHEST POINT OF THE STOCKPILE.
- D. STOCKPILED MATERIAL SHALL BE CONTAINED IN A MANNER TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT PROP WASH OR WIND CONDITIONS. IN ADDITION, STOCKPILED MATERIAL SHALL HAVE SILT FENCE PLACED AROUND IT TO PREVENT FOD FROM MOVING ONTO THE AIRFIELD PAVEMENTS OR POLLUTING WATERCOURSES.

V. EXCAVATION AND TRENCHES:

- A. OPEN TRENCHES AND EXCAVATIONS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH ORANGE BARRICADES WITH FLASHING RED LIGHTS ACCEPTABLE TO THE AIRPORT MANAGER.
- B. ALL CONSTRUCTION AREAS THAT POSE A HAZARD TO OPERATING AIRCRAFT SHALL BE PROPERLY MARKED WITH LOW-PROFILE BARRICADES.
- C. ALL BARRICADES LOCATED WITHIN OR ADJACENT TO AREAS OF AIRCRAFT OPERATION SHALL BE LOW PROFILE TYPE AS DETAILED ON G1.02.
- D. LOW PROFILE BARRICADES SHALL BE KEPT OUTSIDE THE LIMITS OF ANY ACTIVE RUNWAY SAFETY AREA OR TAXIWAY SAFETY AREA.

VI. OTHER SAFETY REQUIREMENTS:

- A. CONTRACTOR SHALL MAINTAIN SAFETY PRACTICES THAT CONFORM TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
- B. DEBRIS - WASTE AND LOOSE MATERIALS CAPABLE OF CAUSING DAMAGE TO AIRCRAFT AND HELICOPTER LANDING GEAR, PROPELLERS AND ROTORS SHALL NOT BE LEFT WITHIN ACTIVE AIRCRAFT MOVEMENT AREAS. MATERIAL DROPPED WITHIN THESE AREAS SHALL BE REMOVED IMMEDIATELY.
- C. THE CONTRACTOR SHALL CONTROL BLOWING DUST FROM ANY HAUL ROUTE OR WORK AREA REGARDLESS OF SOURCE.

VII. CONTRACTOR SAFETY PLAN SUBMITTALS:

- A. CONTRACTOR SHALL FURNISH DETAILED INFORMATION REGARDING COMPLIANCE WITH THE PROJECT SAFETY PLAN IN CONJUNCTION WITH HIS/HER PROJECT SCHEDULE. CONTRACTOR SHALL PROVIDE SAFETY PLAN 7 DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING. INFORMATION SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING ITEMS:
 1. PROPOSED ACCESS POINTS, STAGING AREA AND HAUL ROUTES.
 2. ANY TEMPORARY MARKINGS TO BE USED.
 3. THE LOCATION AND TYPE OF BARRICADES OR OTHER TRAFFIC CONTROL DEVICES.
 4. AREAS TO WHICH CONSTRUCTION OPERATIONS WILL BE LIMITED, ALONG WITH PROPOSED MEASURES TO MINIMIZE THE POSSIBILITY OF CONTRACTOR EQUIPMENT AND/OR WORKERS ACCIDENTALLY ENTERING ANY AOA.
 5. ANY REQUESTED TEMPORARY AMENDMENTS TO THE AIRPORT SECURITY PLAN FOR SPECIAL CONDITION OR MODIFICATIONS.
- B. CONTRACTOR SAFETY PLAN SHALL COMPLY WITH ALL REQUIREMENTS INDICATED IN THESE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND FAA ADVISORY CIRCULAR (AC) 150/5370-2F, OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION, CURRENT EDITION.

GENERAL NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AND PAY FOR ALL APPLICABLE PERMITS, FEES AND LICENSES FOR CONSTRUCTION AND EQUIPMENT.
2. TRAFFIC MAINTENANCE, INCLUDING BUT NOT LIMITED TO, BARRICADES, RUNWAY CLOSURE MARKINGS, ETC SHALL BE PAID FOR UNDER PAY ITEM NO. AR150530.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONSTANT COORDINATION BETWEEN THE SUBCONTRACTORS AND THE ENGINEER. ALL CONSTRUCTION ACTIVITIES PLANNED BY THE CONTRACTOR SHALL BE REVIEWED AND APPROVED BY THE ENGINEER AND OWNER.
4. LIMITS OF WORK SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING WORK.
5. THERE SHALL BE NO PERMANENT WASTE SITES ON AIRPORT PROPERTY. ANY TEMPORARY WASTE AREA WILL BE APPROVED BY THE ENGINEER AND SHALL BE KEPT IN A NEAT CONDITION. THE OWNER MAY DIRECT THE CONTRACTOR TO REMOVE WASTE IF NOT PROPERLY MAINTAINED.
6. PRIOR TO COMPLETION OF THE PROJECT THE CONTRACTOR SHALL RESTORE ALL DAMAGED AREAS (NOT DESIGNATED FOR CONSTRUCTION) TO THEIR PRE-CONSTRUCTION CONDITION.
7. LOCATING, FLAGGING, AND PROTECTING THE EXISTING UTILITIES DURING THE DURATION OF THE CONSTRUCTION PROJECT IS THE RESPONSIBILITY OF THE CONTRACTOR. THE LOCATIONS OF THE EXISTING UTILITIES ON THE CONTRACT DRAWINGS WERE OBTAINED FROM EXISTING RECORDS AND NO GUARANTEE OF ACCURACY OR SUFFICIENCY FOR THIS INFORMATION IS ASSUMED BY THE OWNER OR ENGINEER. ANY DAMAGE TO ANY EXISTING UTILITIES WILL BE REPAIRED OR REPLACED TO THE SATISFACTION OF AND AT NO EXPENSE TO THE OWNER.
8. THE CONSTRUCTION COVERED BY THE PLANS SHALL CONFORM TO ALL APPLICABLE STANDARDS AND SPECIFICATIONS OF THE FAA, IDOT AND IDA.
9. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL OF THE ENGINEER.

PAVEMENT MARKING NOTES:

1. PAVEMENT MARKING REMOVAL AREAS ARE CALCULATED. NO ADDITIONAL PAYMENT WILL BE MADE FOR ADDITIONAL MARKINGS REMOVED DUE TO OVER SPRAY.
2. CONTRACTOR SHALL USE CUT-OFF SHEETS TO INSURE STRAIGHT EDGES OF PAINTED MARKINGS.
3. CONTRACTOR SHALL PERFORM SURFACE PREPARATION BY WATERBLASTING THE EXISTING PAVEMENT AND PAVEMENT MARKINGS IN ALL LOCATIONS TO BE REMARKED. WATERBLASTING EQUIPMENT MUST HAVE ADJUSTABLE PRESSURE. IF SURFACE PREPARATION RESULTS IN DAMAGE TO THE PAVEMENT SURFACE, THE CONTRACTOR SHALL STOP IMMEDIATELY AND TRY OTHER METHODS OF SURFACE PREPARATION, INCLUDING REDUCED WATER PRESSURE AND/OR SAND BLASTING.
4. THE SURFACE OF RUNWAY 9/27 CONSISTS OF POROUS FRICTION COURSE. PAVEMENT MARKING SHALL BE APPLIED TO THIS SURFACE IN ACCORDANCE WITH ITEM 620. PAVEMENT MARKING WILL BE MEASURED FOR PAYMENT PER SQUARE FOOT, WITH NO ADDITIONAL PAYMENT MADE FOR MULTIPLE APPLICATIONS.

| no. | date | by | ckd | description |
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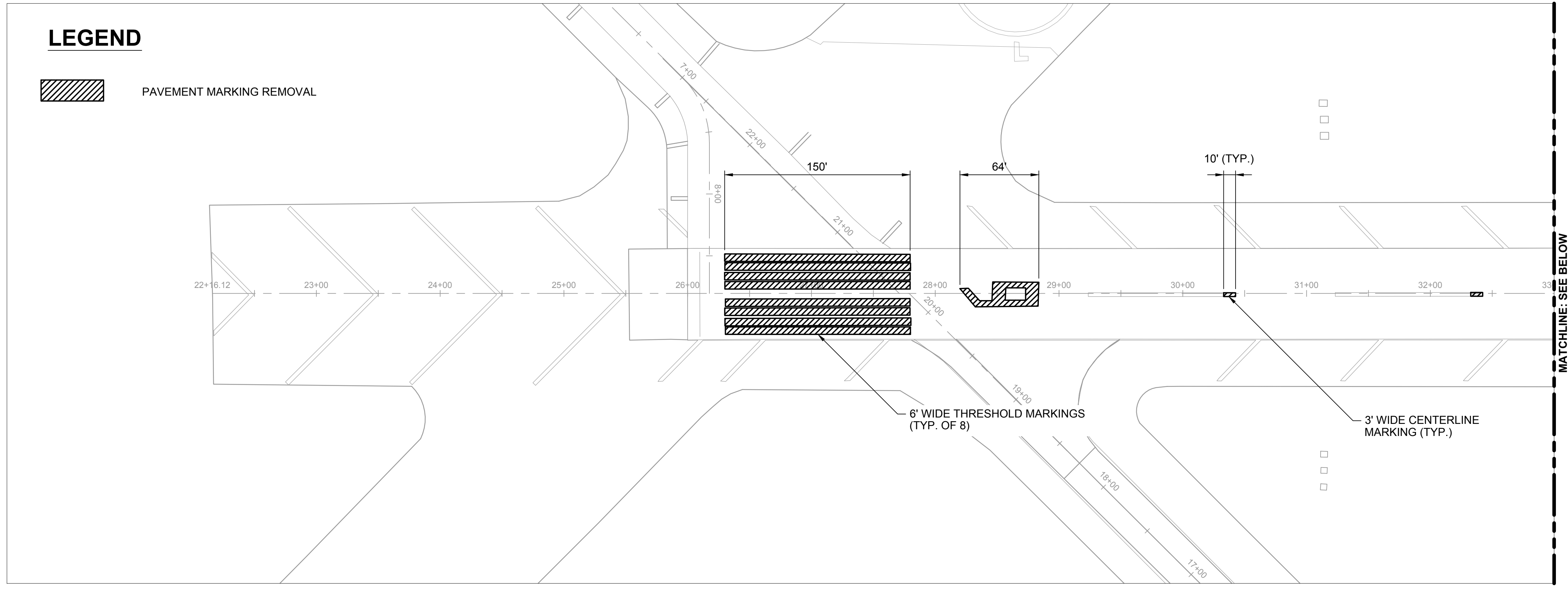
REMARK RUNWAYS 18/36 AND 9/27
ACCESS AND SAFETY NOTES
AND GENERAL NOTES

| | | | |
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| project | 67423 | contract | CONTRACT |
| drawing | G1.03 | | rev. 0 |
| sheet | 4 | of 15 | sheets |
| file 67423_G1.03_NOTES.DWG | | | |

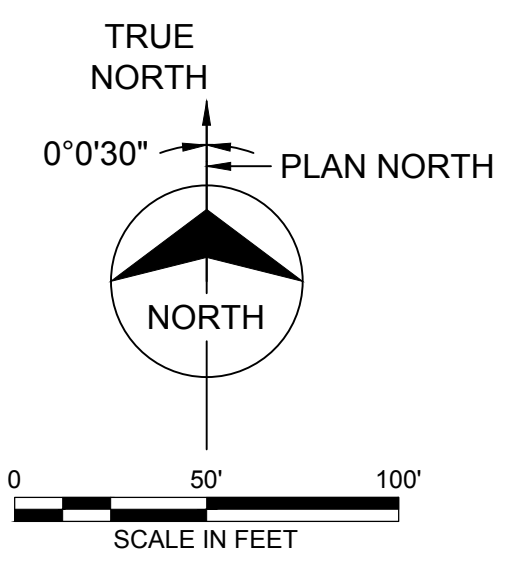
| no. | date | by | ckd | description |
|-----|----------|----|-----|----------------|
| 0 | 05/09/12 | JY | BJQ | ISSUED FOR BID |

LEGEND

 PAVEMENT MARKING REMOVAL



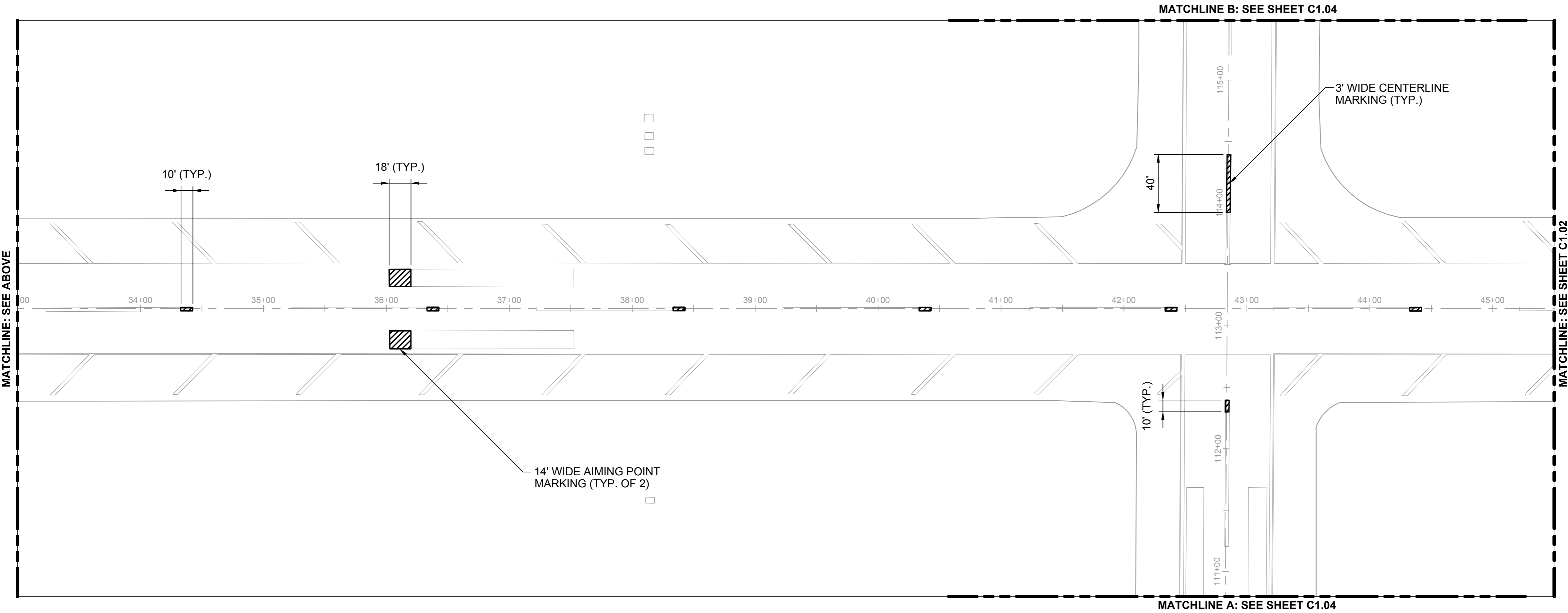
MATCHLINE: SEE BELOW



Millimeters

Scale For Microfilming

Inches

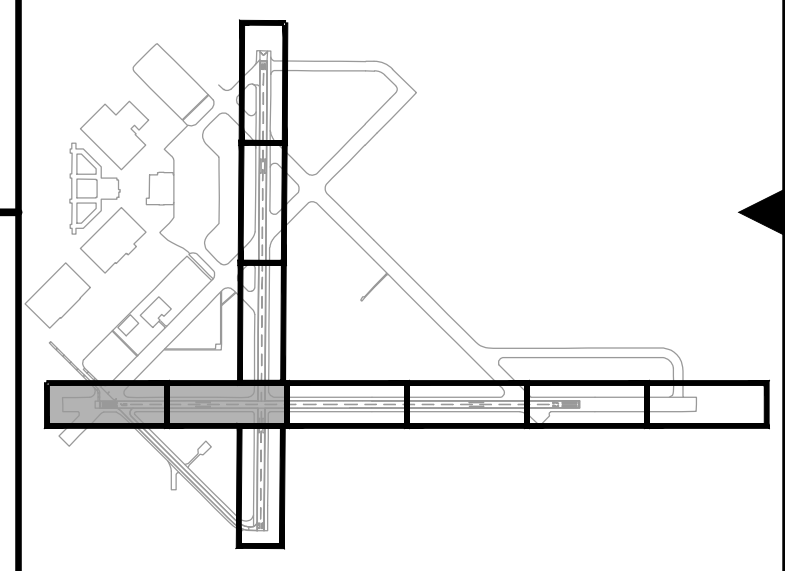


MATCHLINE: SEE ABOVE

MATCHLINE B: SEE SHEET C1.04

MATCHLINE: SEE SHEET C1.02

MATCHLINE A: SEE SHEET C1.04



KEY MAP



| | |
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| date 04/10/2012 | detailed J. YAHYA |
| designed J. YAHYA | checked B. QUINLAN |



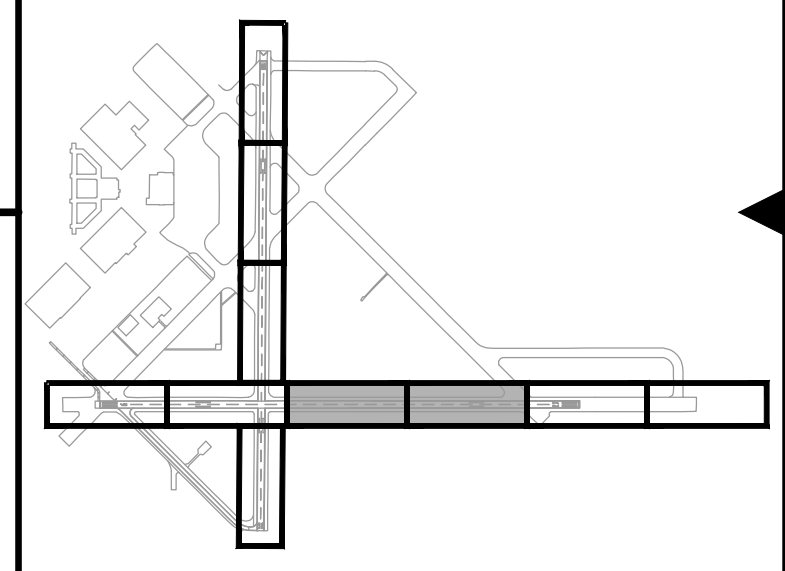
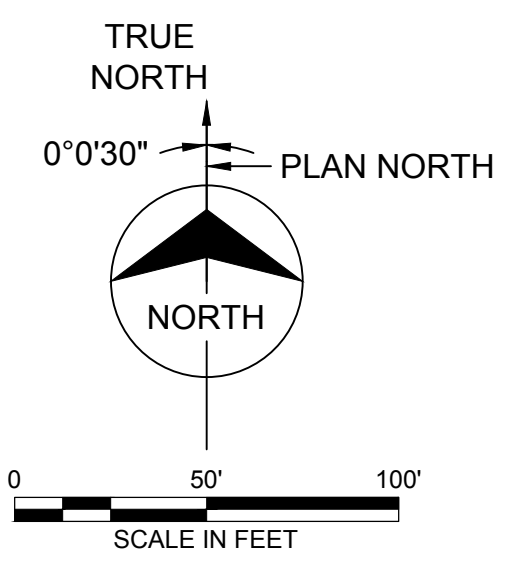
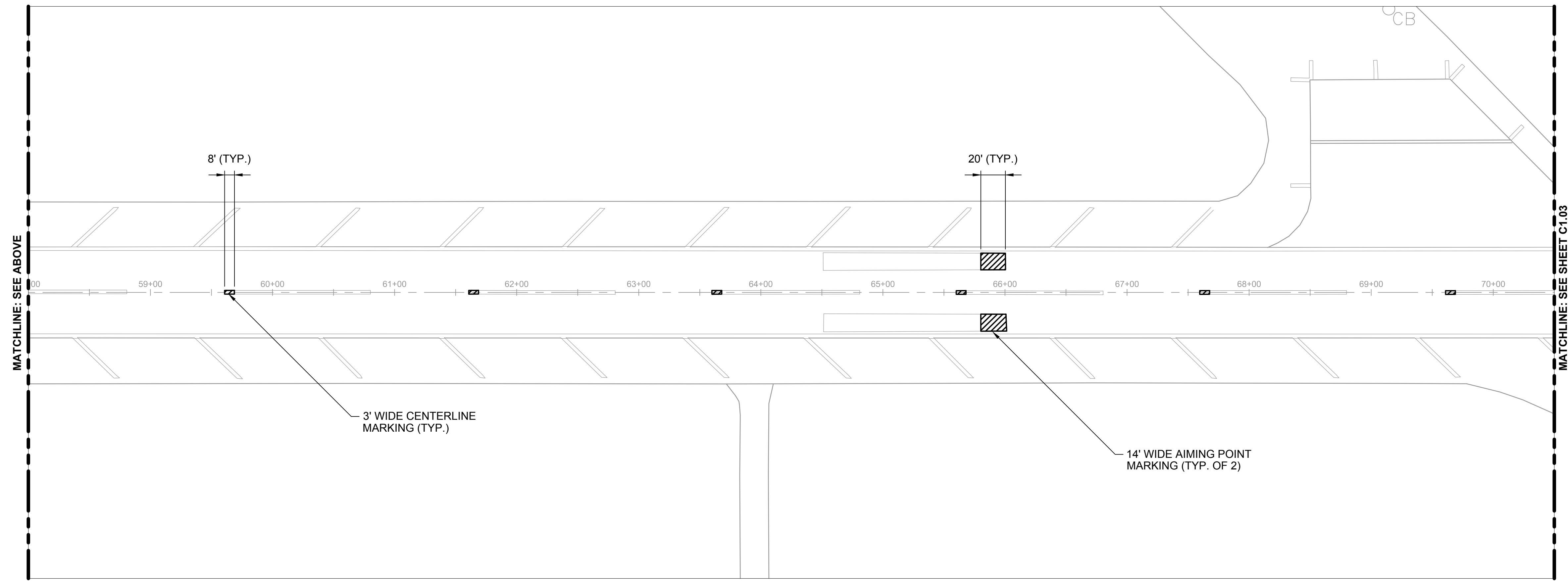
**REMARK RUNWAYS 18/36 AND 9/27
RUNWAY MARKING REMOVAL PLAN**

| | |
|---------------------------|----------------------|
| project 67423 | contract CONTRACT |
| C1.01 - 0 | |
| sheet 5 | of 15 sheets |
| file 67423_C1.01_DEMO.DWG | |

| no. | date | by | ckd | description |
|-----|----------|----|-----|----------------|
| 0 | 05/09/12 | JY | BJQ | ISSUED FOR BID |

LEGEND

 PAVEMENT MARKING REMOVAL



KEY MAP



| | | | |
|----------|------------|----------|------------|
| date | 04/10/2012 | detailed | J. YAHYA |
| designed | J. YAHYA | checked | B. QUINLAN |

**REMARK RUNWAYS 18/36 AND 9/27
RUNWAY MARKING REMOVAL PLAN**

| | | | |
|---------------------------|--------------|----------|-----------|
| project | 67423 | contract | CONTRACT |
| drawing | C1.02 | rev. | 0 |
| sheet | 6 | of | 15 sheets |
| file 67423_C1.02_DEMO.DWG | | | |

Millimeters

Scale For Microfining

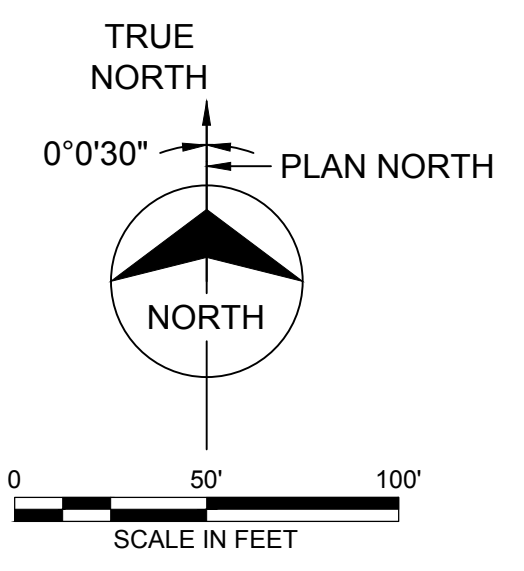
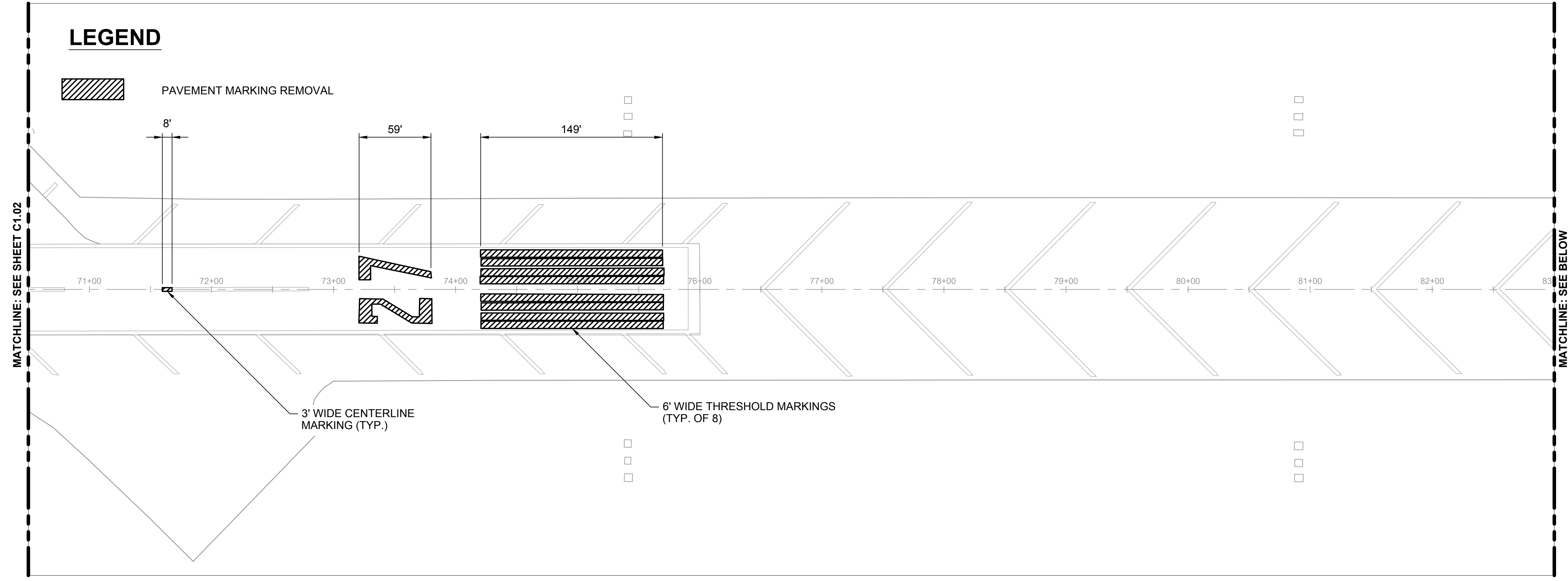
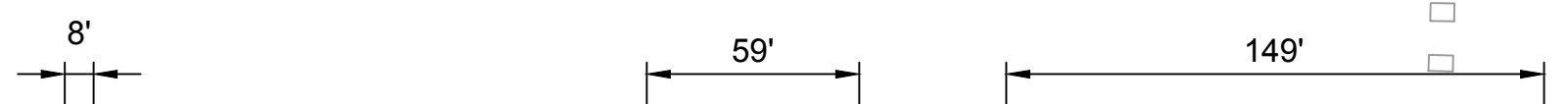
Inches

1 2 3 4 5 6 7 8 9 10 11 12 13

| no. | date | by | ckd | description |
|-----|----------|----|-----|----------------|
| 0 | 05/09/12 | JY | BJQ | ISSUED FOR BID |

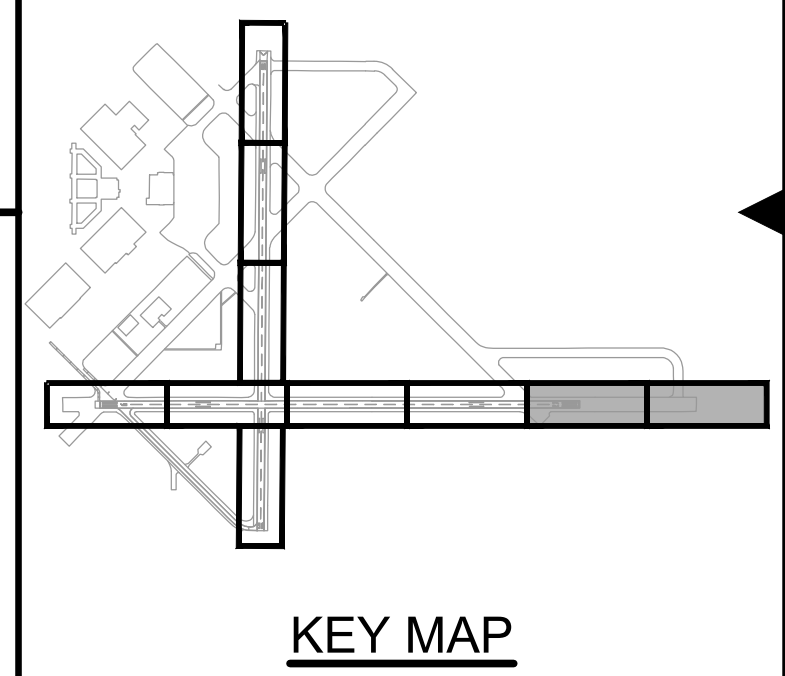
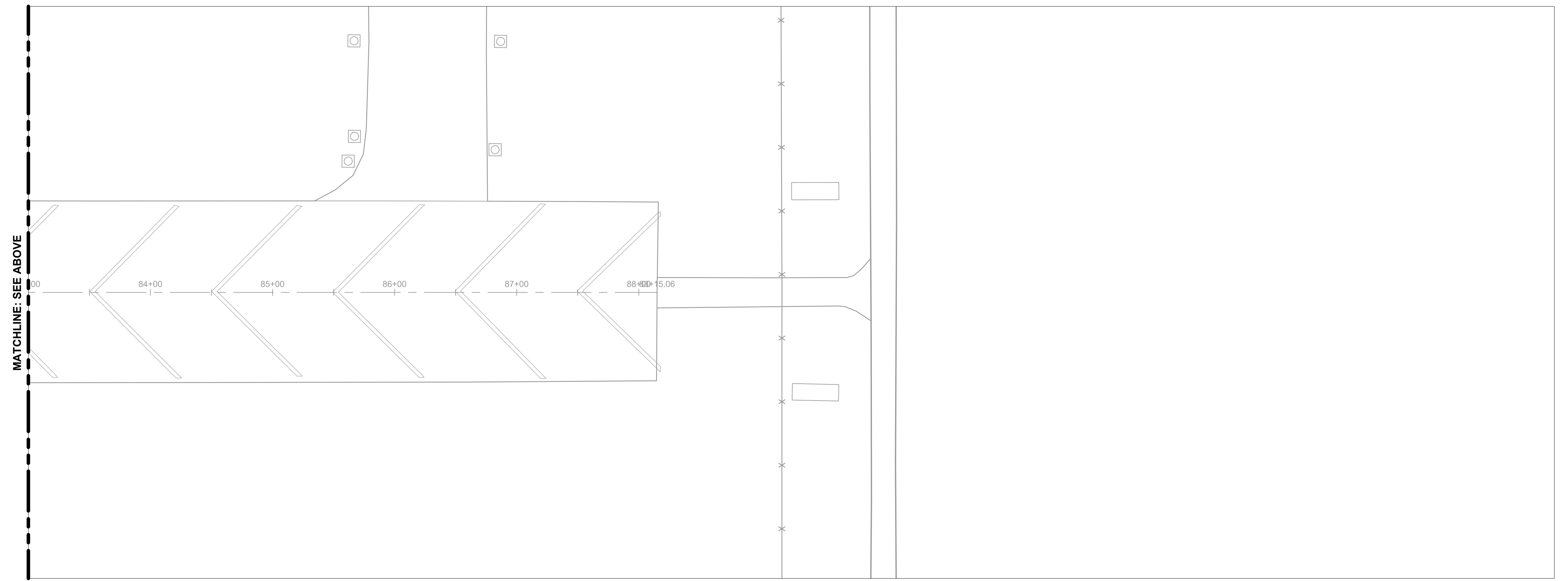
LEGEND

 PAVEMENT MARKING REMOVAL



Scale For Microfilming
Millimeters

Inches



KEY MAP



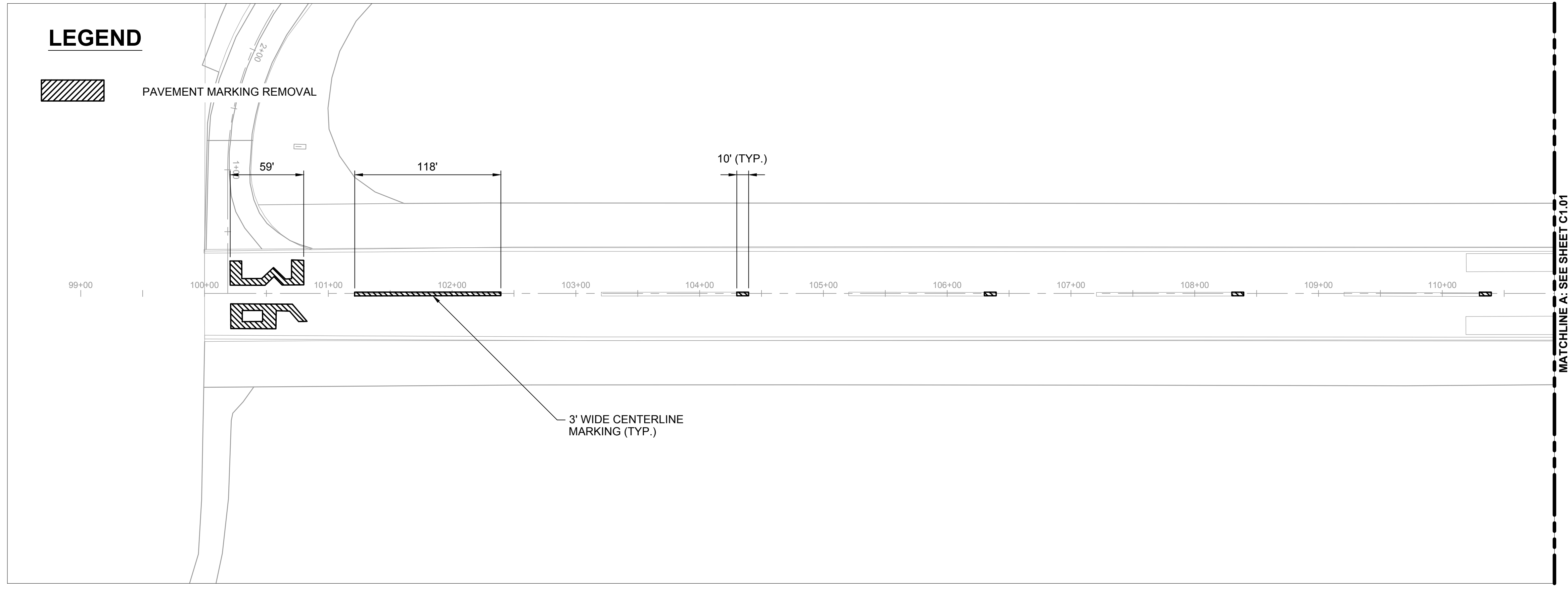
| | |
|----------------------|-----------------------|
| date 04/10/2012 | detailed J. YAHYA |
| designed J. YAHYA | checked B. QUINLAN |

**REMARK RUNWAYS 18/36 AND 9/27
RUNWAY MARKING REMOVAL PLAN**

| | |
|-------------------------|---------------------------|
| project 67423 | contract CONTRACT |
| drawing C1.03 | rev. 0 |
| sheet 7 of 15 sheets | file 67423_C1.03_DEMO.DWG |

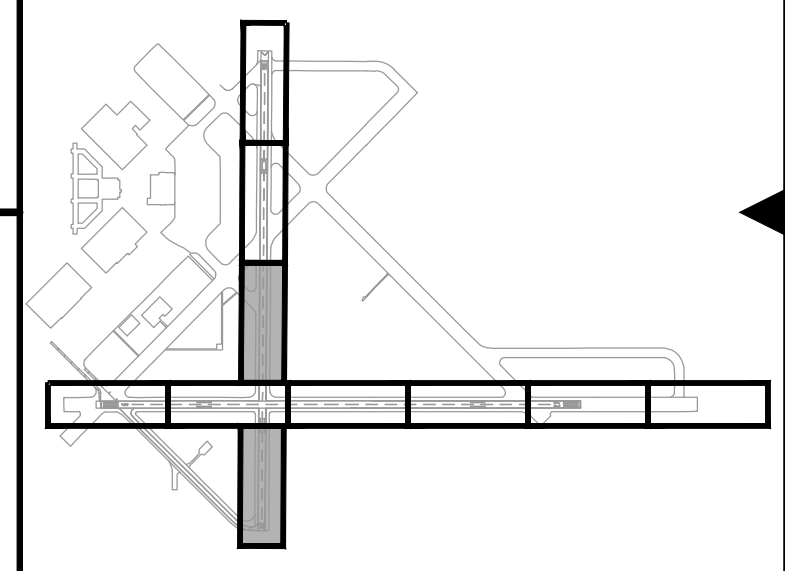
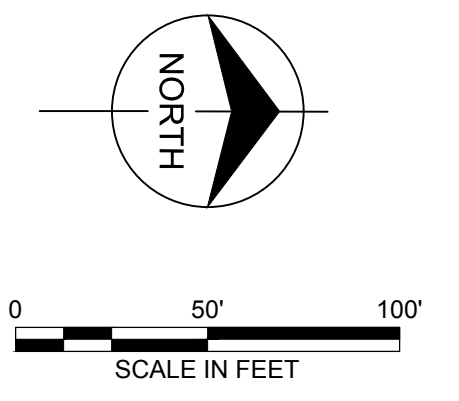
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| no. | date | by | ckd | description |
|-----|----------|----|-----|----------------|
| 0 | 05/09/12 | JY | BJQ | ISSUED FOR BID |



LEGEND

PAVEMENT MARKING REMOVAL



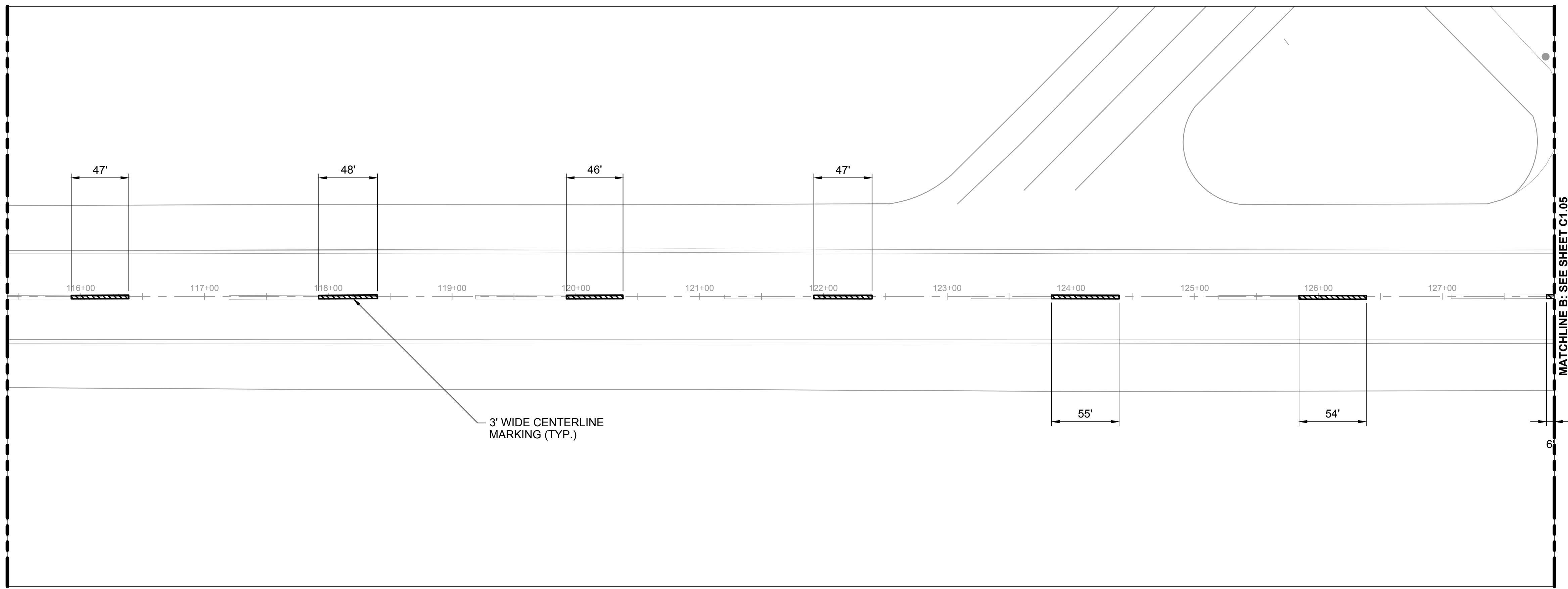
KEY MAP



| | |
|----------------------|-----------------------|
| date 04/10/2012 | detailed J. YAHYA |
| designed J. YAHYA | checked B. QUINLAN |

**REMARK RUNWAYS 18/36 AND 9/27
RUNWAY MARKING REMOVAL PLAN**

| | |
|---------------------------|----------------------|
| project 67423 | contract CONTRACT |
| drawing C1.04 | rev. 0 |
| sheet 8 | of 15 sheets |
| file 67423_C1.04_DEMO.DWG | |

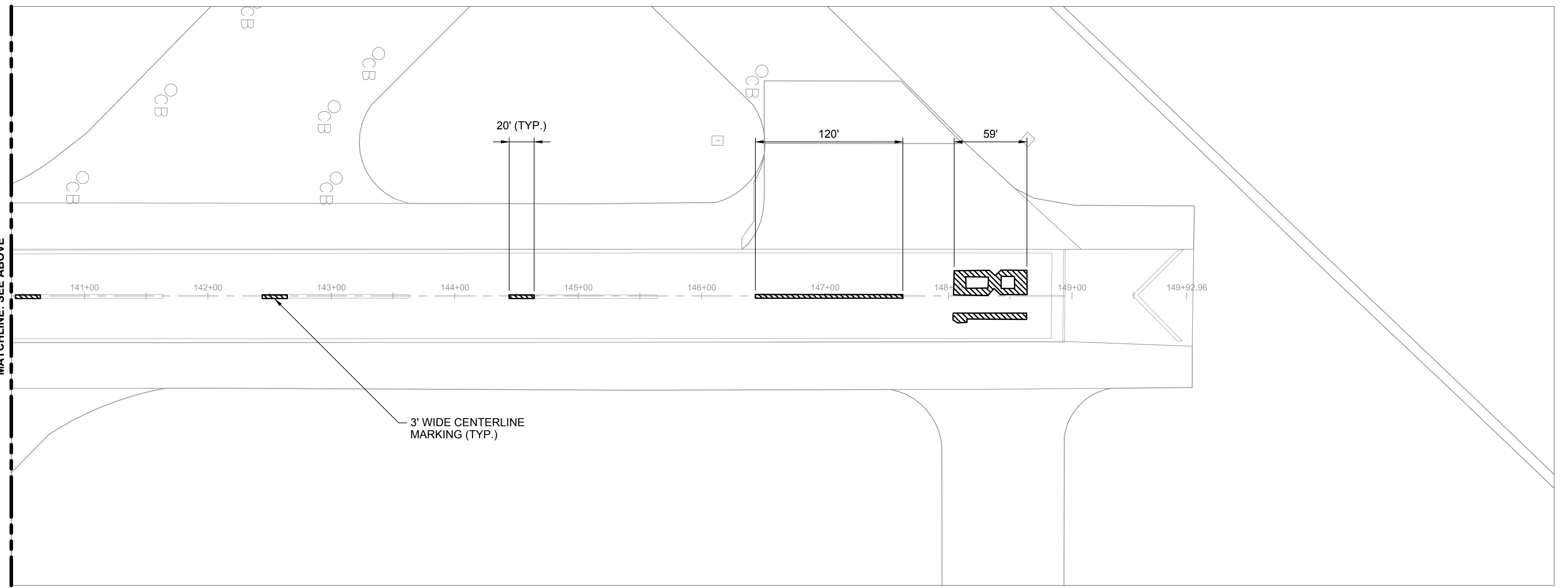
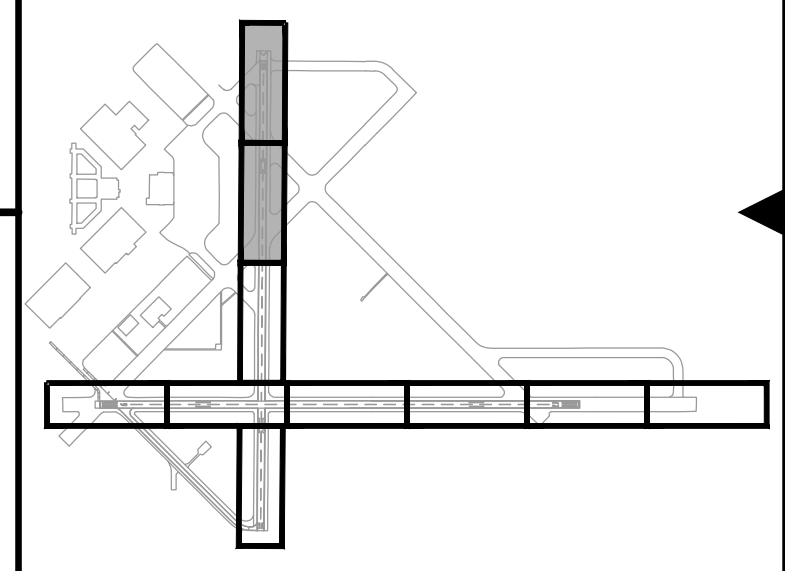
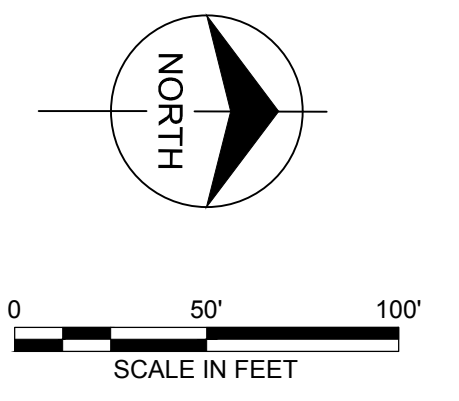
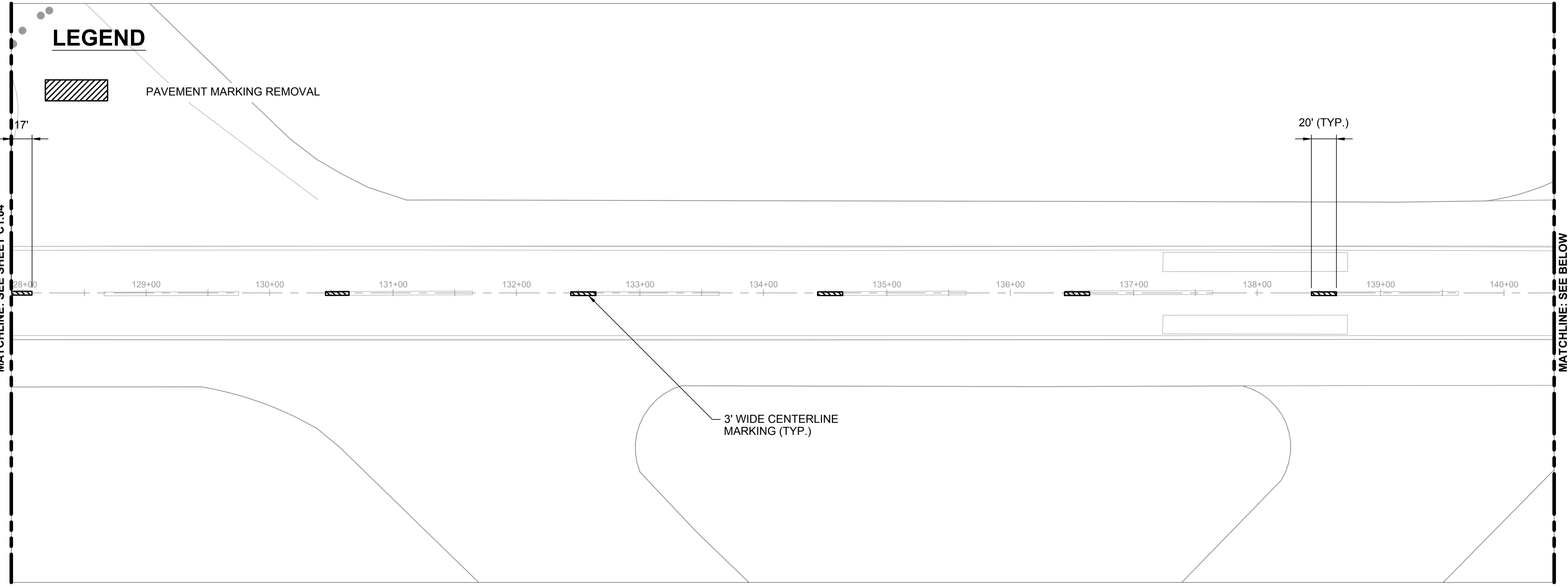


Scale For Microfilming
Millimeters

Inches

1 2 3 4 5 6 7 8 9 10 11 12 13

| no. | date | by | ckd | description |
|-----|----------|----|-----|----------------|
| 0 | 05/09/12 | JY | BJQ | ISSUED FOR BID |



| | | | |
|----------|------------|----------|------------|
| date | 04/10/2012 | detailed | J. YAHYA |
| designed | J. YAHYA | checked | B. QUINLAN |

**REMARK RUNWAYS 18/36 AND 9/27
RUNWAY MARKING REMOVAL PLAN**

| | | | |
|---------------------------|--------------|----------|-----------|
| project | 67423 | contract | CONTRACT |
| drawing | C1.05 | rev. | 0 |
| sheet | 9 | of | 15 sheets |
| file 67423_C1.05_DEMO.DWG | | | |

Scale For Microfilming

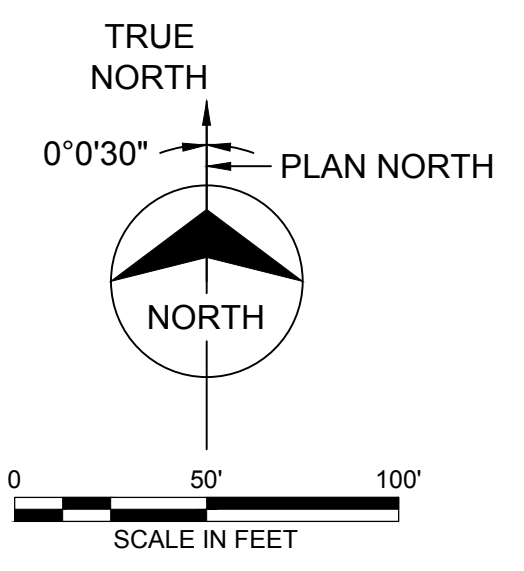
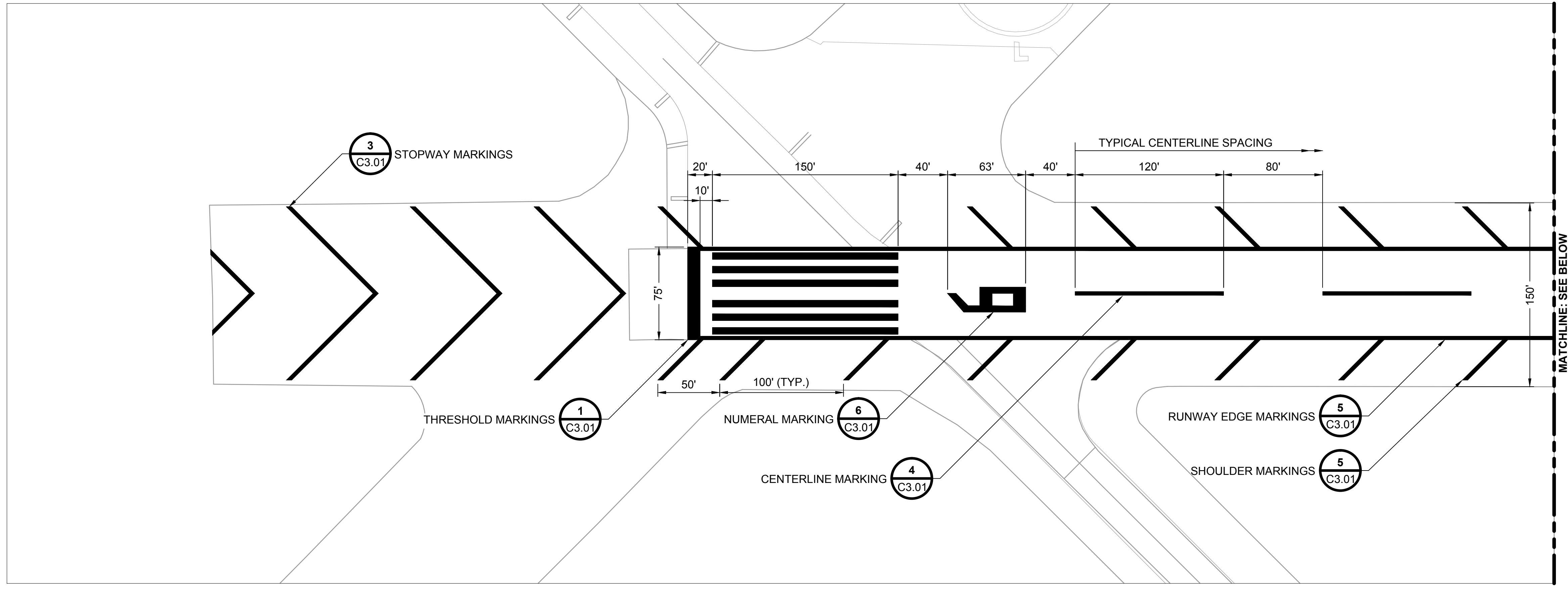
Millimeters

Inches

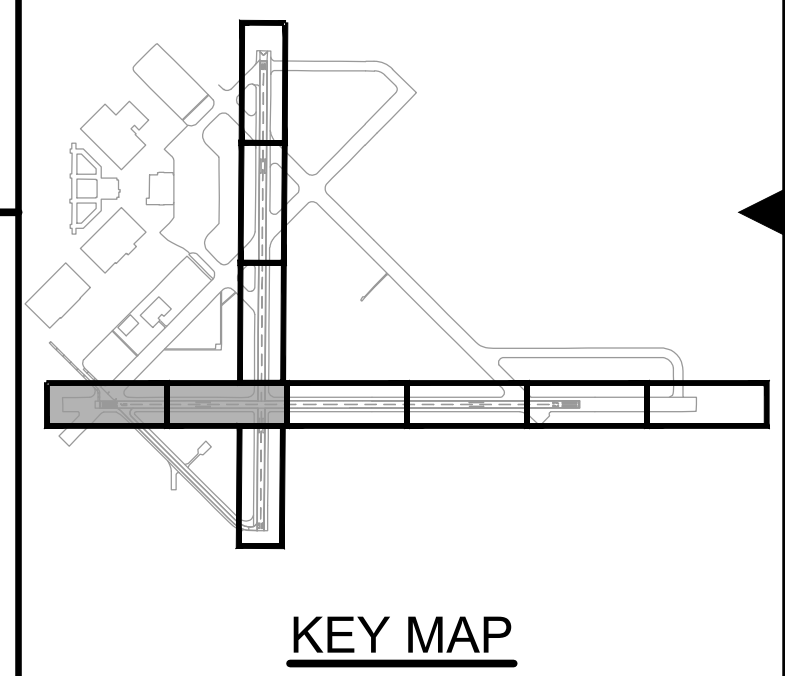
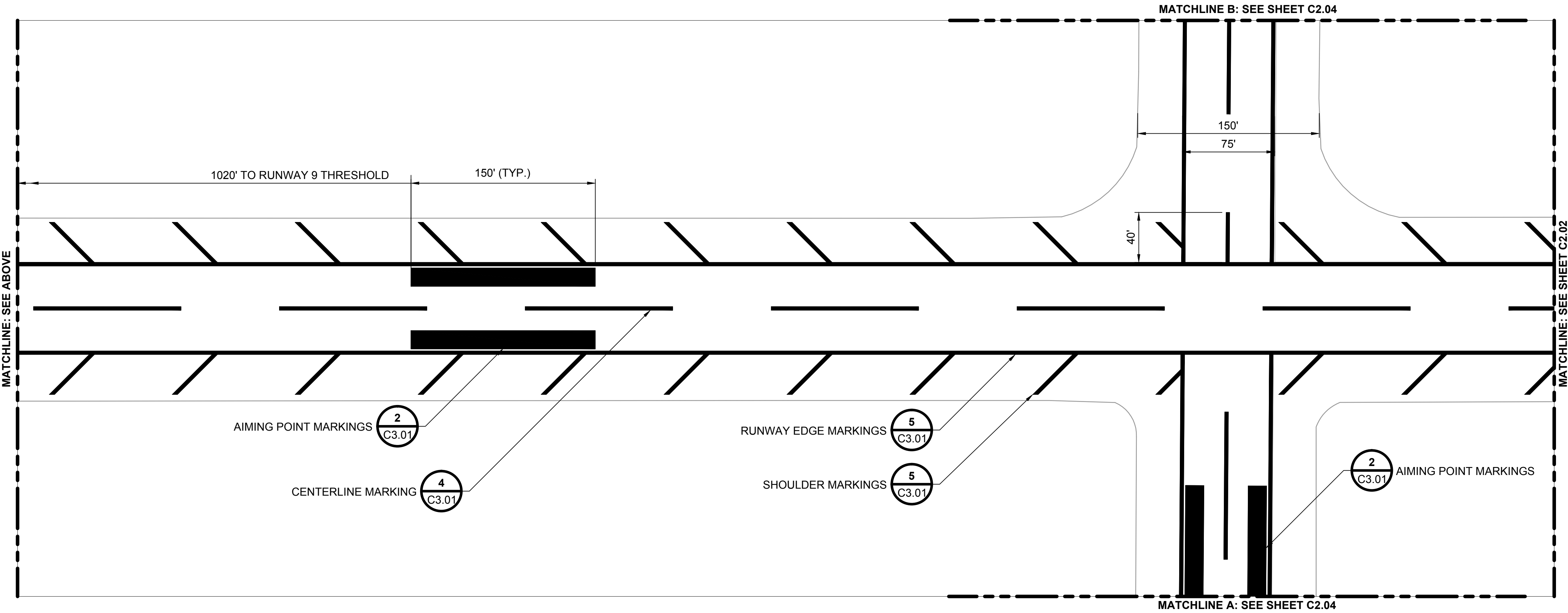
COPYRIGHT © 2012 BURNS & MCDONNELL ENGINEERING COMPANY, INC.

1 2 3 4 5 6 7 8 9 10 11 12 13

| no. | date | by | ckd | description |
|-----|----------|----|-----|----------------|
| 0 | 05/09/12 | JY | BJQ | ISSUED FOR BID |



Scale For Microfilming
Millimeters
Inches



| | |
|----------------------|-----------------------|
| date 04/10/2012 | detailed J. YAHYA |
| designed J. YAHYA | checked B. QUINLAN |

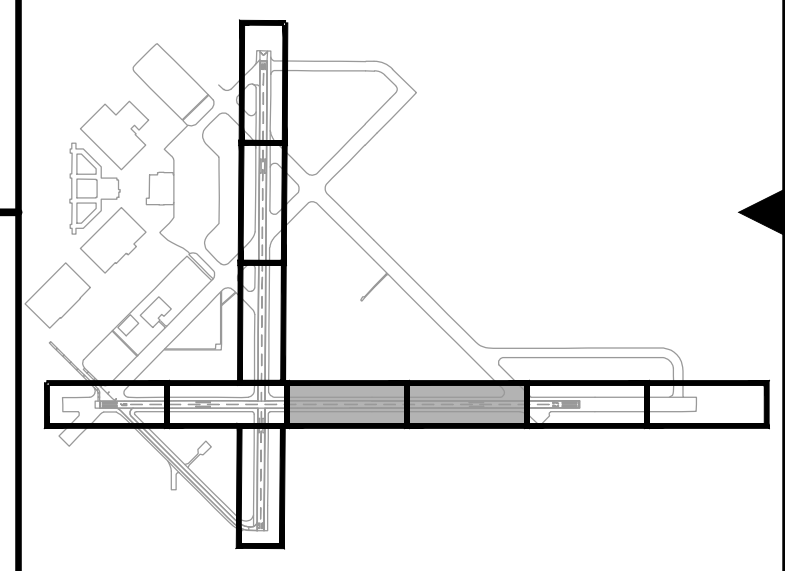
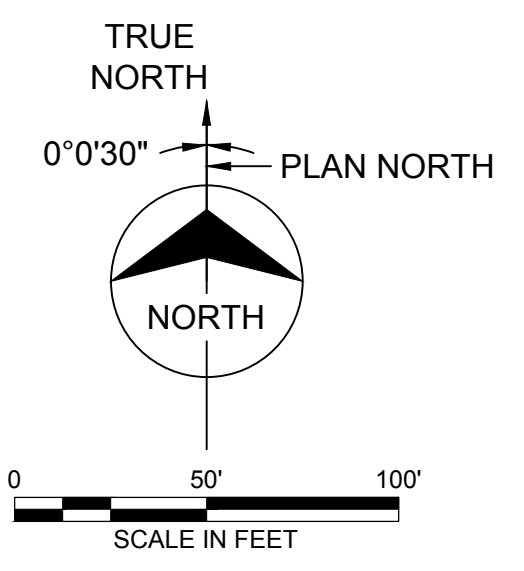
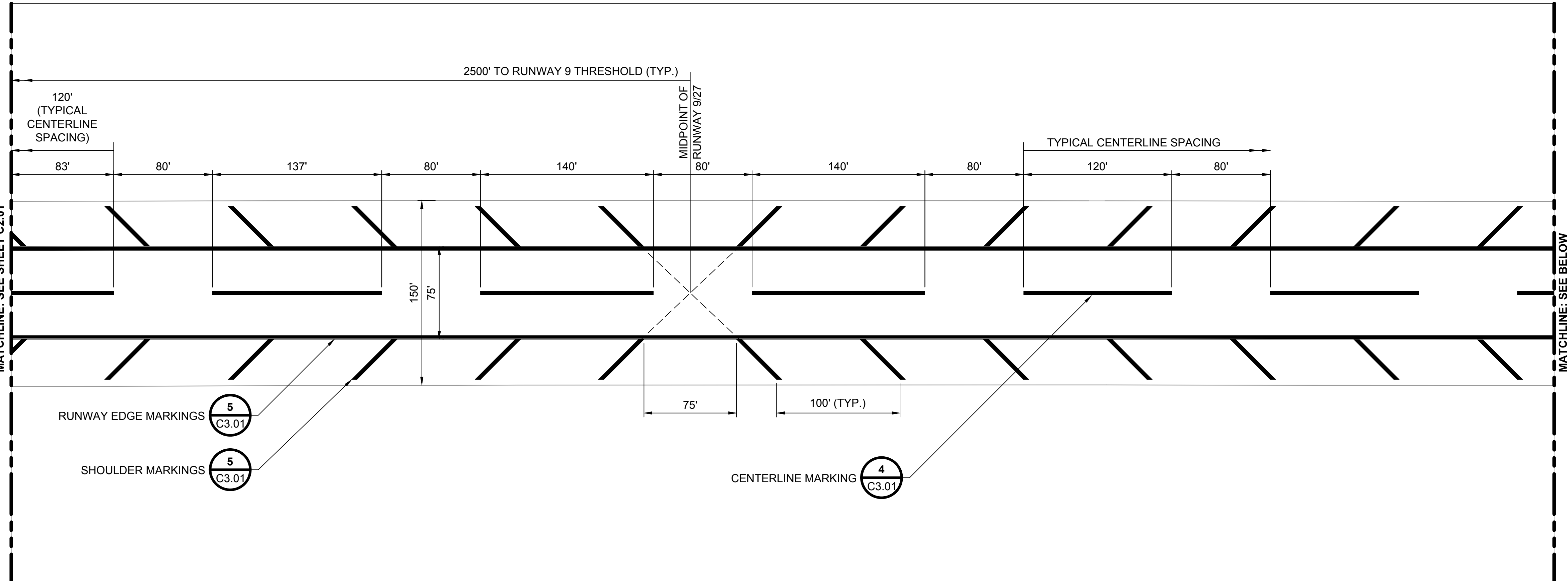


| | |
|--|------------------------------|
| REMARK RUNWAYS 18/36 AND 9/27 RUNWAY MARKING PLAN | |
| project 67423 | contract CONTRACT |
| drawing C2.01 | rev. 0 |
| sheet 10 of 15 sheets | file 67423_C2.01_MARKING.DWG |

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1 2 3 4 5 6 7 8 9 10 11 12 13

| no. | date | by | ckd | description |
|-----|----------|----|-----|----------------|
| 0 | 05/09/12 | JY | BJQ | ISSUED FOR BID |



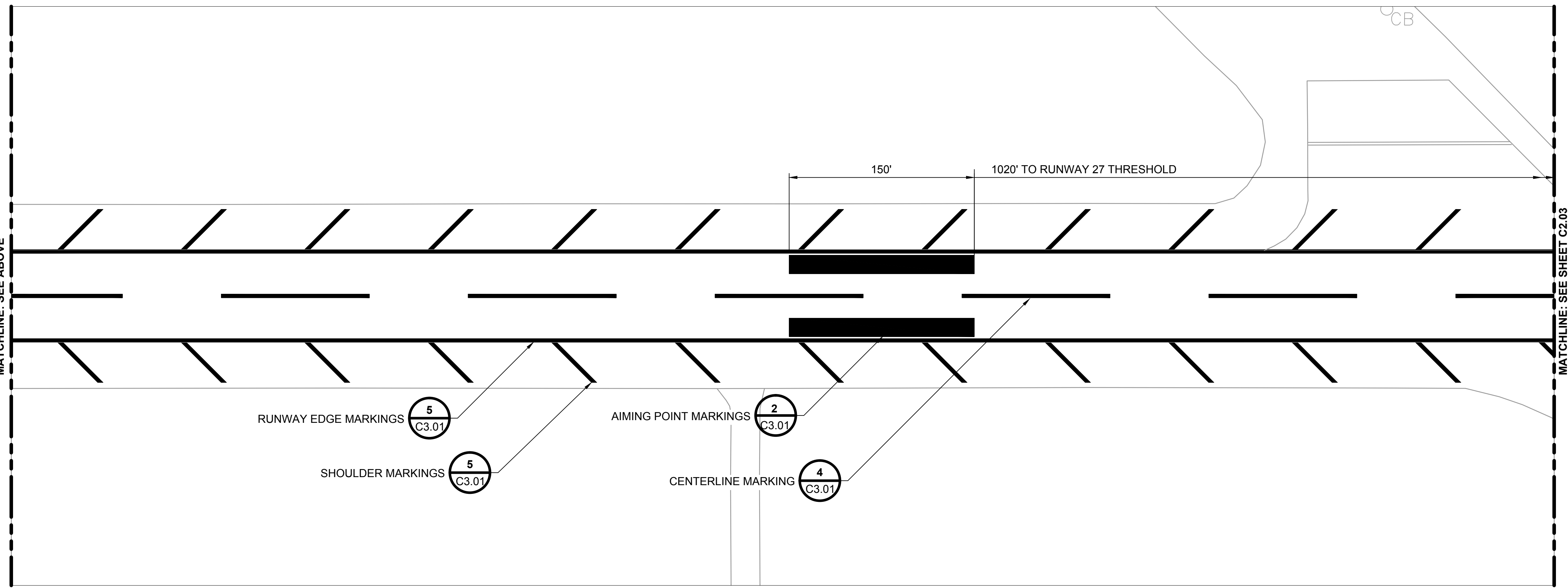
KEY MAP



| | |
|----------------------|-----------------------|
| date 04/10/2012 | detailed J. YAHYA |
| designed J. YAHYA | checked B. QUINLAN |

REMARK RUNWAYS 18/36 AND 9/27
RUNWAY MARKING PLAN

| | |
|------------------------------|----------------------|
| project 67423 | contract CONTRACT |
| drawing C2.02 | rev. 0 |
| sheet 11 | of 15 sheets |
| file 67423_C2.02_MARKING.DWG | |



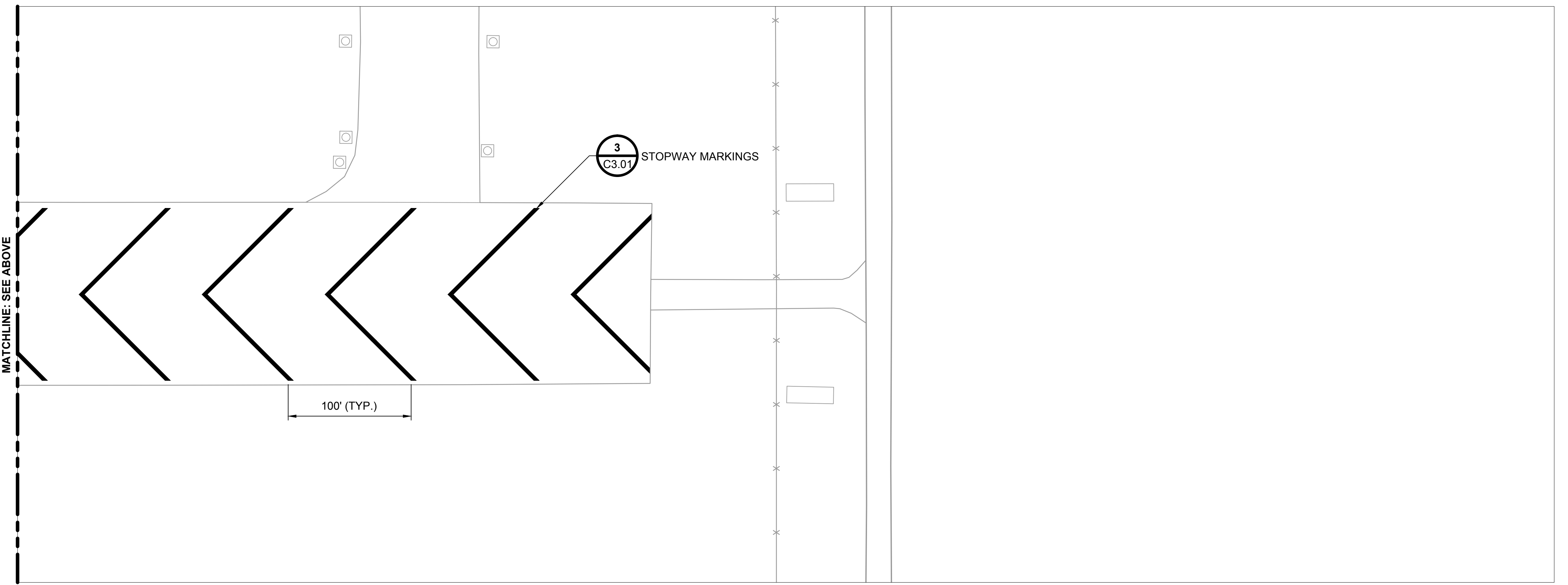
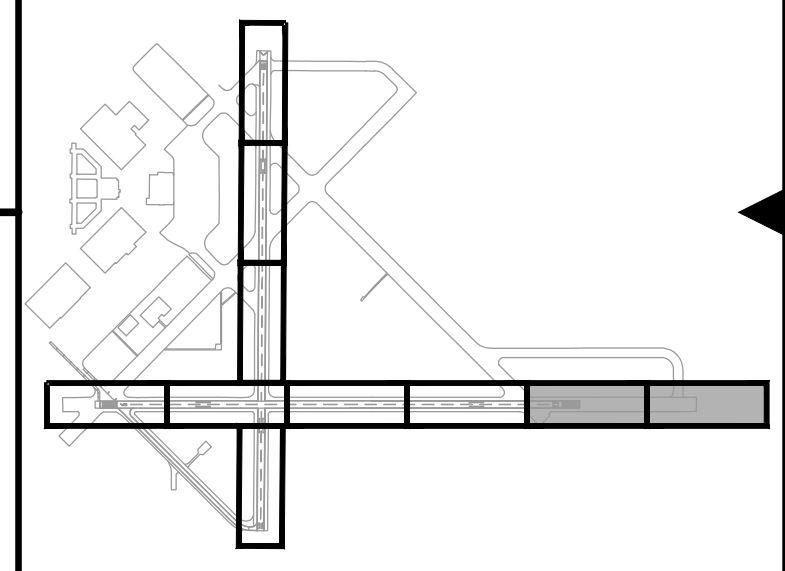
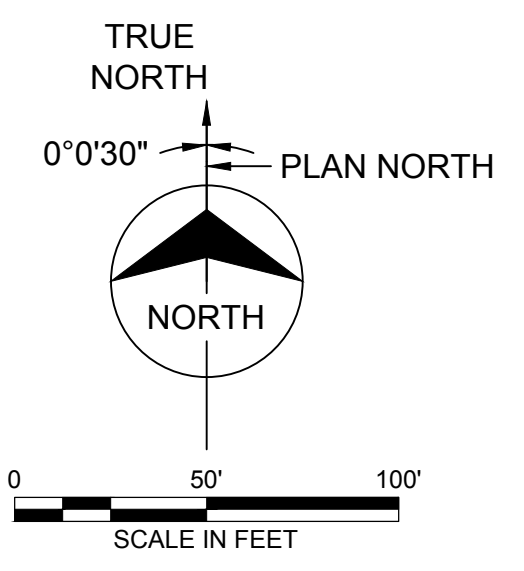
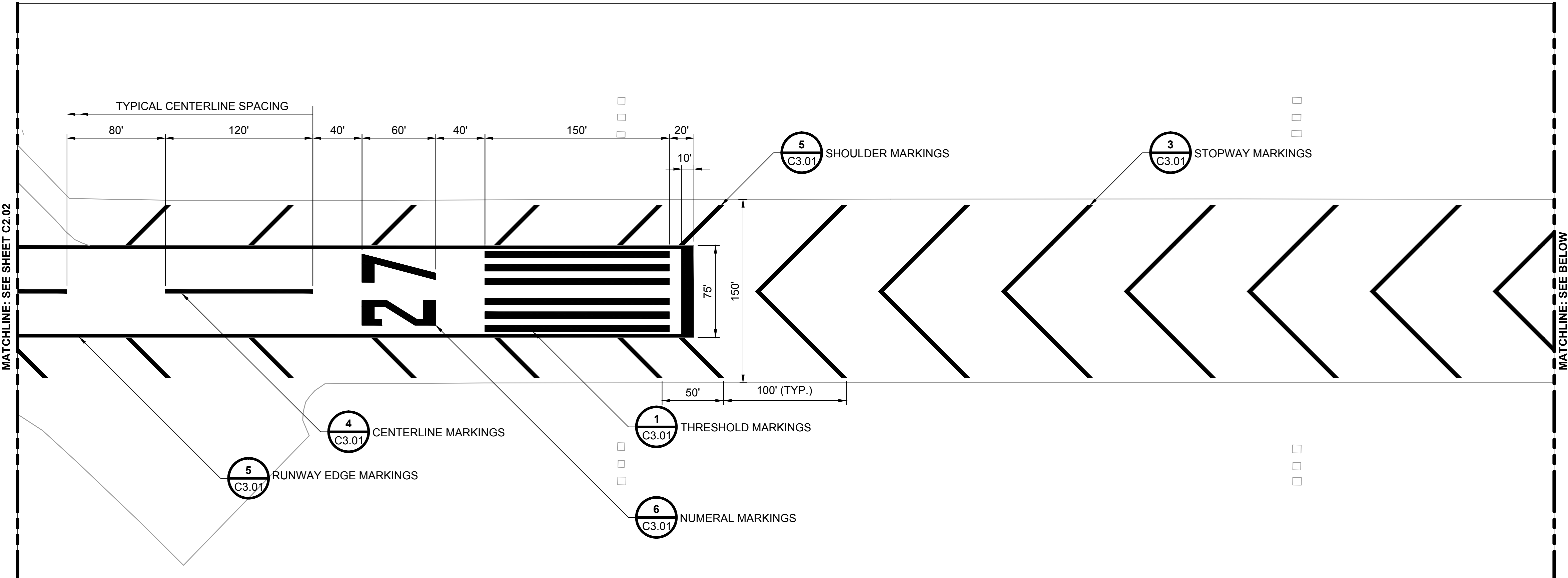
Scale For Microfilming
Millimeters

Inches

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1 2 3 4 5 6 7 8 9 10 11 12 13

| no. | date | by | ckd | description |
|-----|----------|----|-----|----------------|
| 0 | 05/09/12 | JY | BJQ | ISSUED FOR BID |



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|----------------------|-----------------------|
| date 04/10/2012 | detailed J. YAHYA |
| designed J. YAHYA | checked B. QUINLAN |

REMARK RUNWAYS 18/36 AND 9/27
RUNWAY MARKING PLAN

| | |
|-------------------------|------------------------------|
| project 67423 | contract CONTRACT |
| drawing C2.03 | rev. 0 |
| sheet 12 of 15 sheets | file 67423_C2.03_MARKING.DWG |

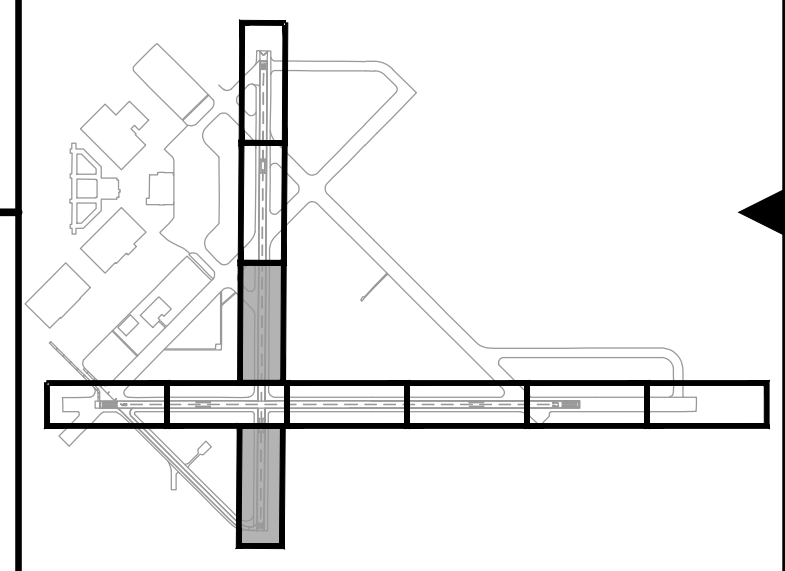
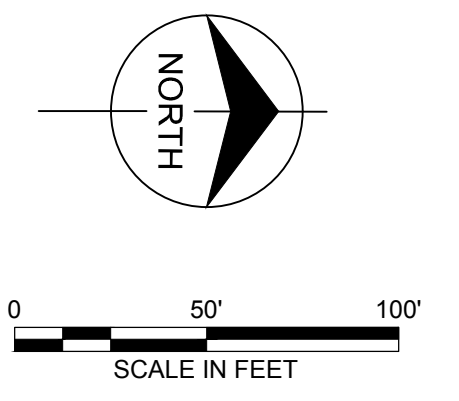
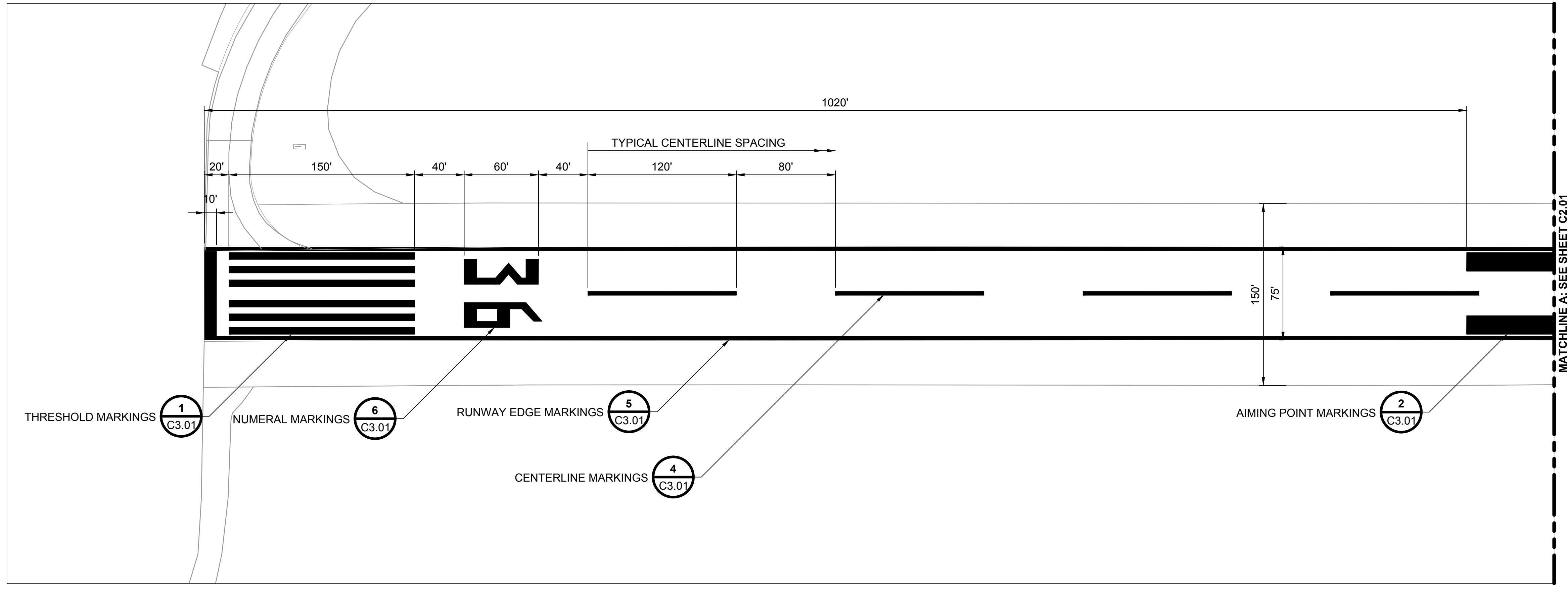
Scale For Microfining
Millimeters

Inches

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1 2 3 4 5 6 7 8 9 10 11 12 13

| no. | date | by | ckd | description |
|-----|----------|----|-----|----------------|
| 0 | 05/09/12 | JY | BJQ | ISSUED FOR BID |



KEY MAP



| | |
|----------------------|-----------------------|
| date 04/10/2012 | detailed J. YAHYA |
| designed J. YAHYA | checked B. QUINLAN |

REMARK RUNWAYS 18/36 AND 9/27
RUNWAY MARKING PLAN

| | |
|-------------------------|------------------------------|
| project 67423 | contract CONTRACT |
| drawing C2.04 | rev. 0 |
| sheet 13 of 15 sheets | file 67423_C2.04_MARKING.DWG |

A
B
C
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E
F
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H
I

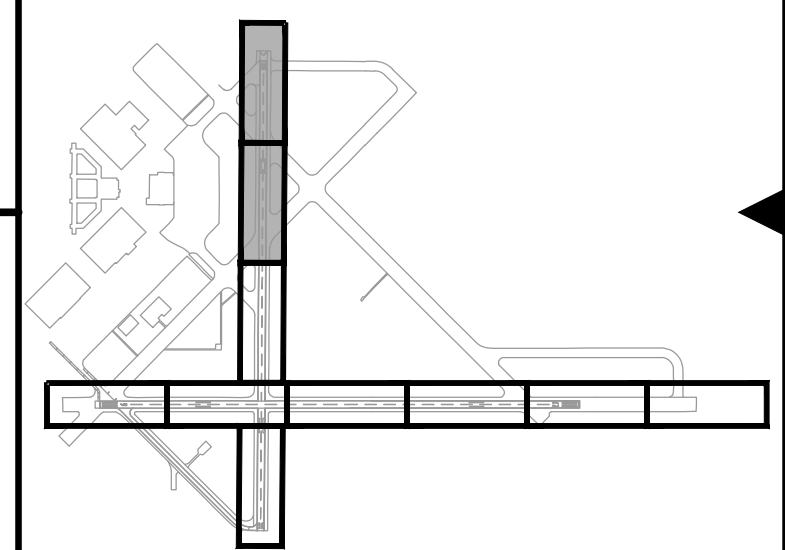
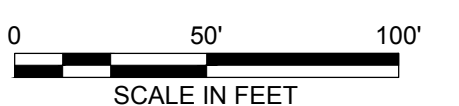
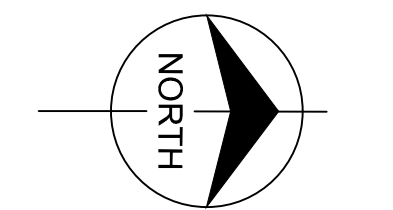
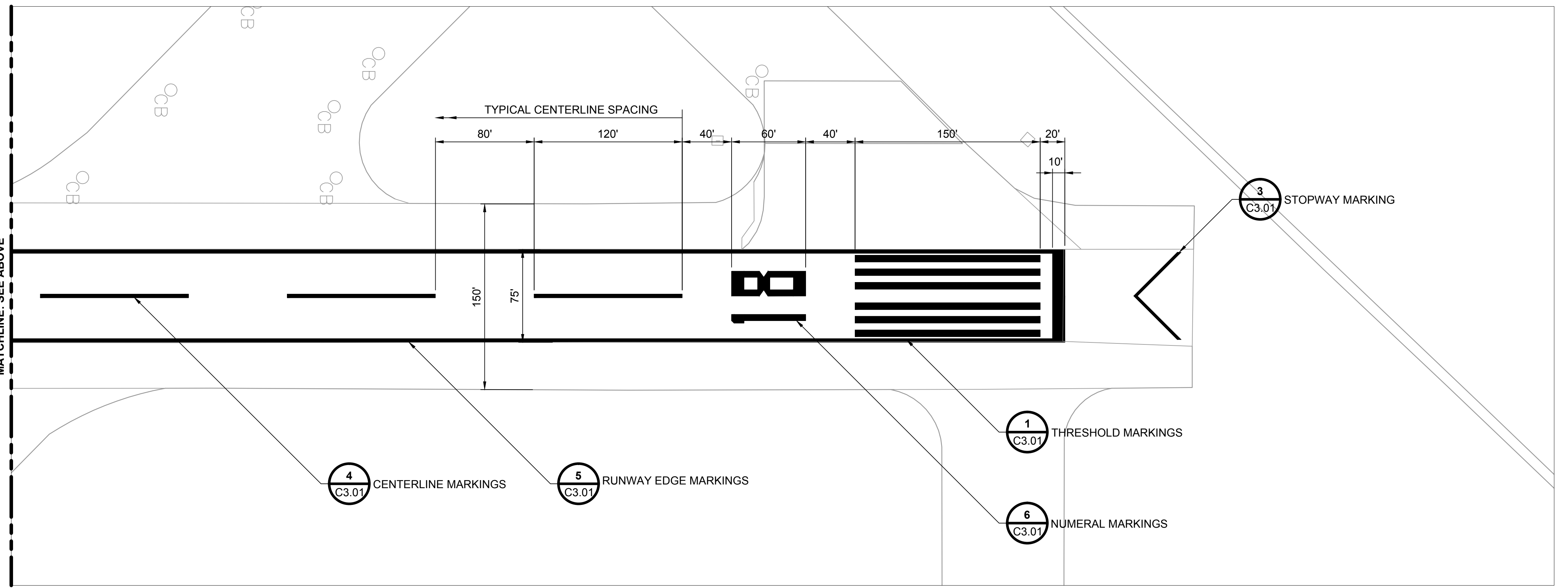
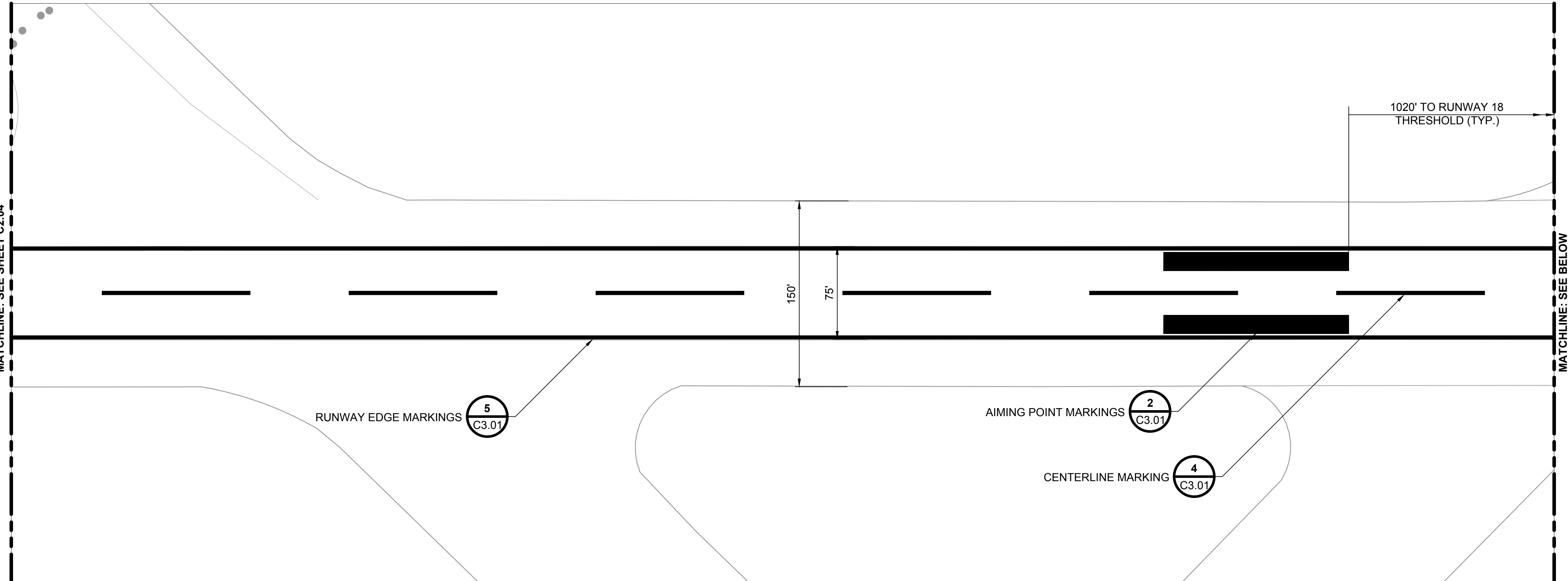
Scale For Microfilming
Millimeters

Inches

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1 2 3 4 5 6 7 8 9 10 11 12 13

| no. | date | by | ckd | description |
|-----|----------|----|-----|----------------|
| 0 | 05/09/12 | JY | BJQ | ISSUED FOR BID |



KEY MAP



| | |
|----------------------|-----------------------|
| date 04/10/2012 | detailed J. YAHYA |
| designed J. YAHYA | checked B. QUINLAN |

REMARK RUNWAYS 18/36 AND 9/27
RUNWAY MARKING PLAN

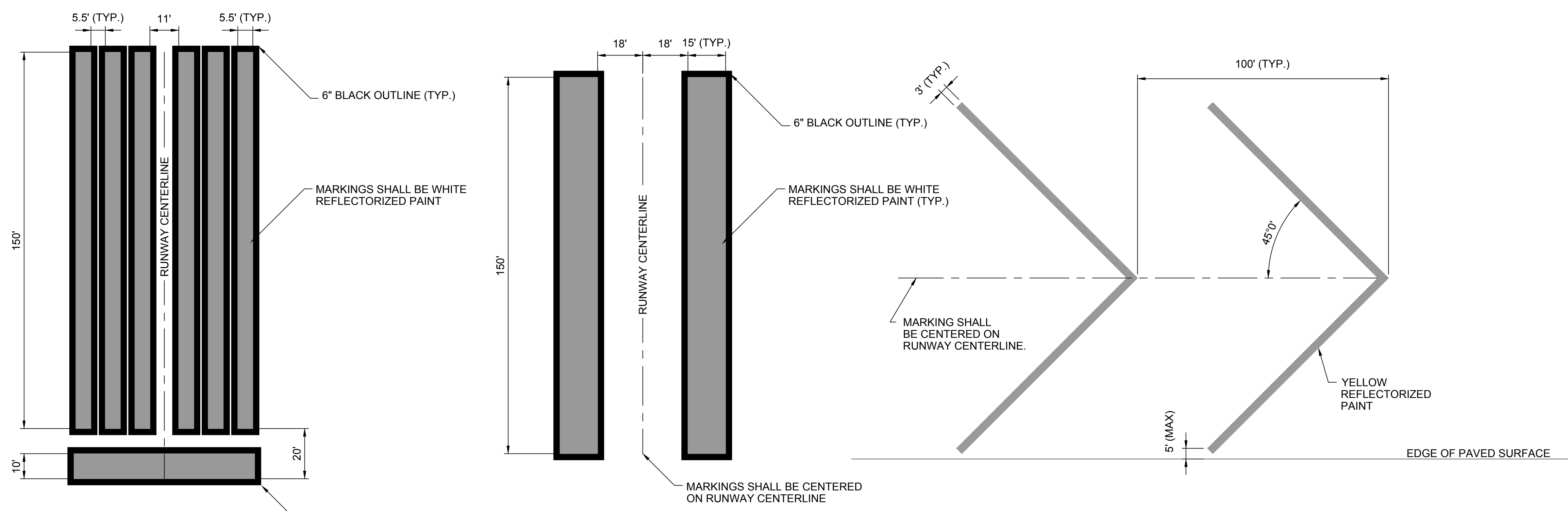
| | |
|-------------------------|------------------------------|
| project 67423 | contract CONTRACT |
| drawing C2.05 | rev. 0 |
| sheet 14 of 15 sheets | file 67423_C2.05_MARKING.DWG |

Scale For Microfilming

Inches

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| no. | date | by | ckd | description |
|-----|----------|----|-----|----------------|
| 0 | 05/09/12 | JY | BJQ | ISSUED FOR BID |



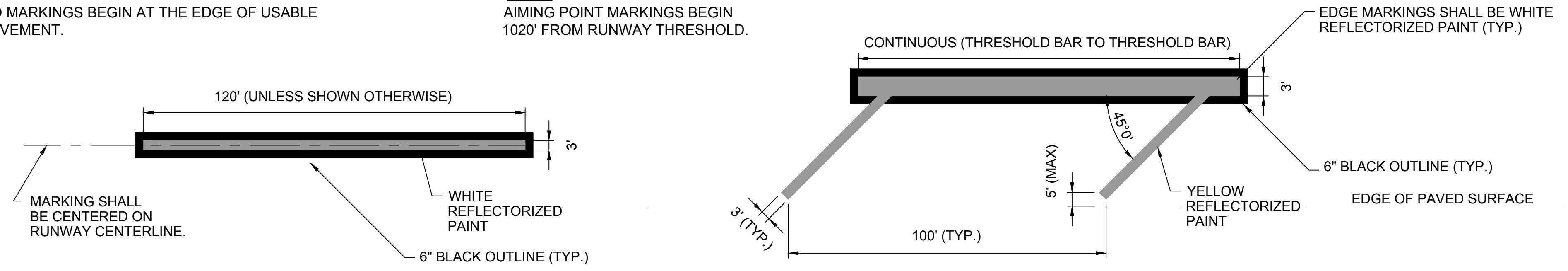
THRESHOLD MARKINGS 1
NOT TO SCALE

AIMING POINT MARKINGS 2
NOT TO SCALE

STOPWAY MARKINGS 3
NOT TO SCALE

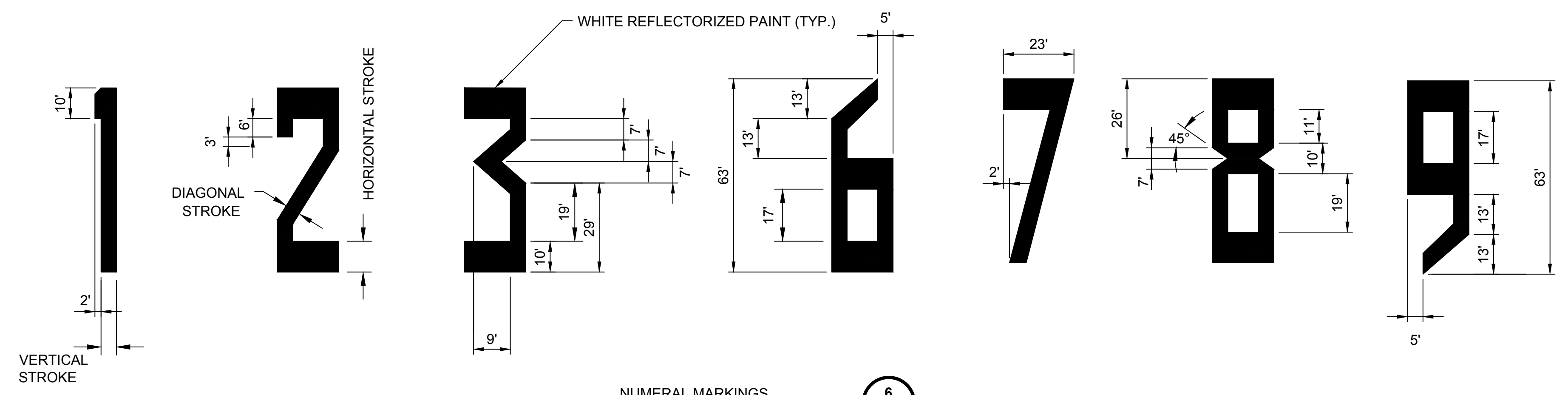
NOTE:
1. THRESHOLD MARKINGS BEGIN AT THE EDGE OF USABLE RUNWAY PAVEMENT.

NOTE:
AIMING POINT MARKINGS BEGIN 1020' FROM RUNWAY THRESHOLD.



CENTERLINE MARKINGS 4
NOT TO SCALE

SHOULDER MARKINGS 5
NOT TO SCALE



NUMERAL MARKINGS 6
NOT TO SCALE

- NOTES:**
- DIMENSIONS ARE EXPRESSED IN FEET.
 - ALL CHARACTERS SHALL HAVE THESE CHARACTERISTICS (UNLESS OTHERWISE SPECIFIED):
 - 60' HIGH
 - 20' WIDE
 - VERTICAL STROKE OF 5'
 - HORIZONTAL STROKE OF 10'
 - DIAGONAL STROKE OF 5'
 - ALL NUMERALS EXCEPT THE NUMBER ELEVEN AS SHOWN ARE HORIZONTALLY SPACED 15' APART.
 - SINGLE DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE. FOR DOUBLE DESIGNATIONS, THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS IS CENTERED ON THE RUNWAY PAVEMENT CENTERLINE.
 - ALL CHARACTERS SHALL HAVE A 6" BLACK OUTLINE TO IMPROVE VISIBILITY.



| | | | |
|----------|------------|----------|------------|
| date | 04/10/2012 | detailed | J. YAHYA |
| designed | J. YAHYA | checked | B. QUINLAN |

REMARK RUNWAYS 18/36 AND 9/27
RUNWAY MARKING DETAILS

| | | | |
|---------|-------------------------|----------|---------------|
| project | 67423 | contract | CONTRACT |
| drawing | C3.01 | | rev. 0 |
| sheet | 15 | of | 15 sheets |
| file | 67423_C3.01_DETAILS.DWG | | |

Scale For Microfining
Millimeters
Inches

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