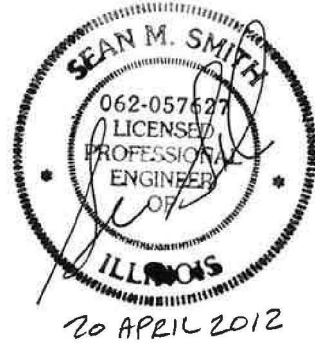


GREATER ROCKFORD AIRPORT AUTHORITY ROCKFORD, ILLINOIS

CONSTRUCTION PLANS FOR CHICAGO ROCKFORD INTERNATIONAL AIRPORT



Greater Rockford Airport Authority

APPROVED BY

MIKE DUNN
DIRECTOR

DATE

APRIL 20, 2012

INDEX TO SHEETS	
SHEET NO.	DESCRIPTION
1	COVER
2	SITE PLAN AND CONTROL POINTS
3	CONSTRUCTION ACTIVITY PLAN BELTLINE ROAD AND KISHWAUKEE ROAD
4	CONSTRUCTION ACTIVITY PLAN FALCON ROAD
5	FENCING KEY PLAN
6	FENCING PLAN 1 - BELTLINE ROAD
7	FENCING PLAN 2 - BELTLINE ROAD
8	FENCING PLAN 3 - BELTLINE ROAD
9	FENCING PLAN 4 - BELTLINE ROAD
10	FENCING PLAN 5
11	FENCING PLAN 6 - CITY OF ROCKFORD WELL AND PUMPHOUSE
12	FENCING PLAN 7 - FALCON ROAD
13	FENCING PLAN 8 - FALCON ROAD
14	FENCING PLAN 9 - FALCON ROAD
15	FENCING PLAN 10 - FALCON ROAD
16	FENCING PLAN - CONSTRUCTION VEHICLE INSPECTION AREA
17	FENCING DETAILS SHEET 1
18	FENCING DETAILS SHEET 2
19	GATE DETAILS

REPLACE PERIMETER FENCE PHASE 1

FINAL SUBMITTAL

ILLINOIS PROJECT: RFD-4184
A.I.P. PROJECT: 3-17-0088-XX

APRIL 20, 2012
(JUNE 15, 2012 LETTING)

DESIGN INFORMATION

TOWNSHIP: 43 NORTH COUNTY: WINNEBAGO
RANGE: 1 EAST ROCKFORD TOWNSHIP

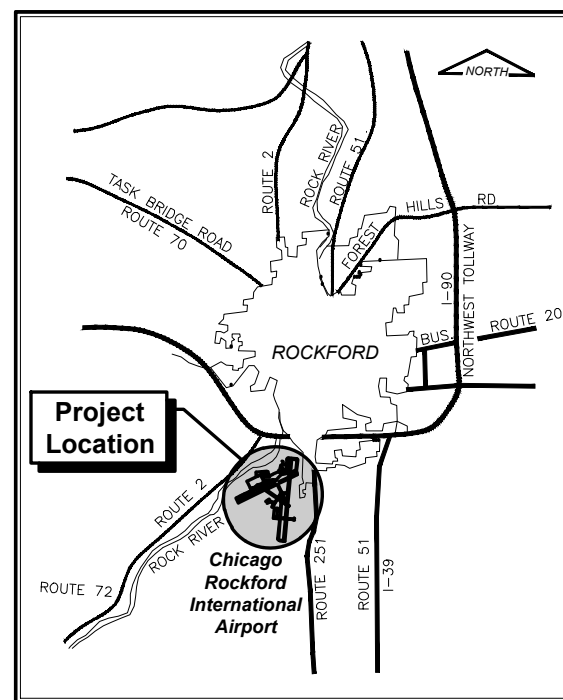
ALP DATA: APPROACH CAT. / DESIGN GROUP: D5
DESIGN AIRCRAFT: 747-400

(MAXIMUM EQUIPMENT HEIGHT = 25')

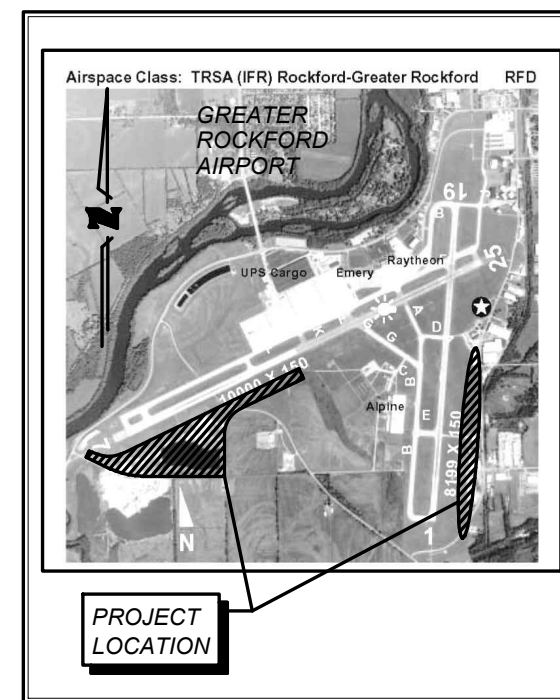


CALL J.U.L.I.E BEFORE
EXCAVATING
1-800-892-0123

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
BASE BID - REPLACE PERIMETER FENCE, PHASE 1				
AR152410	UNCLASSIFIED EXCAVATION	CY	550	
AR152442	OFFSITE BORROW EXCAVATION	CY	1,200	
AR156510	SILT FENCE	LF	725	
AR162510	CLASS E FENCE 10'	L.F.	13,440	
AR162620	CLASS E GATE-20'	EACH	9	
AR162900	REMOVE CLASS E FENCE	L.F.	10,850	
AR162910	REMOVE CLASS E GATE	EACH	6	
AR800016	WILDLIFE DETERRENT BARRIER	LF	3,697	
AR800055	BITUMINOUS MILLING PLACEMENT	CY	1,000	
AR901510	SEEDING	AC	0.7	
AR908510	MULCHING	AC	0.7	
ADDITIVE ALTERNATE 1 - VINYL COATING FOR FENCE AND GATES				
AS800010	VINYL COATING-10' FENCE	LF	13,440	
AS800011	VINYL COATING-GATE	EACH	9	
ADDITIVE ALTERNATE 2 - ADDITIONAL FENCE REMOVAL AND REPLACEMENT				
AT162510	CLASS E FENCE 10'	LF	940	
AT162900	REMOVE CLASS E FENCE	LF	940	
ADDITIVE ALTERNATE 3 - VINYL COATING FOR ADDITIONAL FENCE				
AU800010	VINYL COATING-10' FENCE	LF	940	



LOCATION MAP



SITE PLAN

Illinois Professional Engineering Practice Act of 1989



http://www.cmtengr.com

Springfield, Illinois
Aurora, Illinois
Rockford, Illinois
Chicago, Illinois
Peoria, Illinois

Edwardsville, Illinois
St. Louis, Missouri
Springfield, Missouri
Columbus, Ohio
Indianapolis, Indiana

SUBMITTED BY

Sean M. Smith, P.E.

DATE

20 APRIL 2012

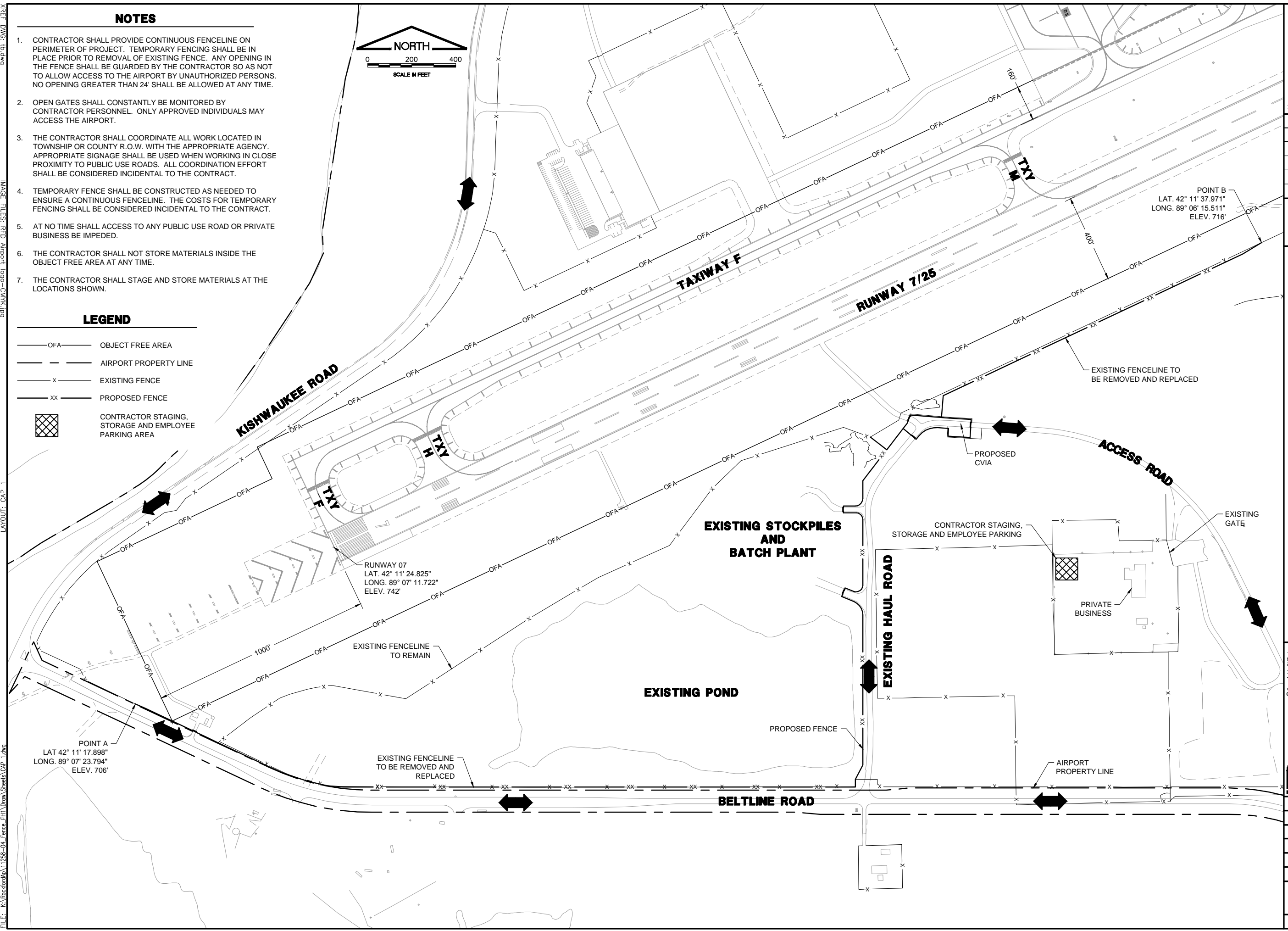
license expires 11-30-2013

NOTES

1. CONTRACTOR SHALL PROVIDE CONTINUOUS FENCELINE ON PERIMETER OF PROJECT. TEMPORARY FENCING SHALL BE IN PLACE PRIOR TO REMOVAL OF EXISTING FENCE. ANY OPENING IN THE FENCE SHALL BE GUARDED BY THE CONTRACTOR SO AS NOT TO ALLOW ACCESS TO THE AIRPORT BY UNAUTHORIZED PERSONS. NO OPENING GREATER THAN 24" SHALL BE ALLOWED AT ANY TIME.
2. OPEN GATES SHALL CONSTANTLY BE MONITORED BY CONTRACTOR PERSONNEL. ONLY APPROVED INDIVIDUALS MAY ACCESS THE AIRPORT.
3. THE CONTRACTOR SHALL COORDINATE ALL WORK LOCATED IN TOWNSHIP OR COUNTY R.O.W. WITH THE APPROPRIATE AGENCY. APPROPRIATE SIGNAGE SHALL BE USED WHEN WORKING IN CLOSE PROXIMITY TO PUBLIC USE ROADS. ALL COORDINATION EFFORT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
4. TEMPORARY FENCE SHALL BE CONSTRUCTED AS NEEDED TO ENSURE A CONTINUOUS FENCELINE. THE COSTS FOR TEMPORARY FENCING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
5. AT NO TIME SHALL ACCESS TO ANY PUBLIC USE ROAD OR PRIVATE BUSINESS BE IMPEDED.
6. THE CONTRACTOR SHALL NOT STORE MATERIALS INSIDE THE OBJECT FREE AREA AT ANY TIME.
7. THE CONTRACTOR SHALL STAGE AND STORE MATERIALS AT THE LOCATIONS SHOWN.

LEGEND

- OFA — OBJECT FREE AREA
- - - AIRPORT PROPERTY LINE
- x- EXISTING FENCE
- xx- PROPOSED FENCE
- ▣ CONTRACTOR STAGING, STORAGE AND EMPLOYEE PARKING AREA

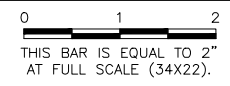


IL CONTRACT: **RO021**
 IL LETTING ITEM: **20A**
 IL PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

REVISIONS

NUMBER	BY	DATE



GREATER ROCKFORD AIRPORT AUTHORITY
CHICAGO ROCKFORD INTERNATIONAL AIRPORT
ROCKFORD, IL

REPLACE PERIMETER FENCE, PHASE 1
CONSTRUCTION ACTIVITY PLAN
BELTLINE ROAD AND KISHWAUKEE ROAD

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DESIGN BY:	SMS
DRAWN BY:	CMT
CHECKED BY:	SMS
APPROVED BY:	DLP
DATE:	04/20/2012
JOB No:	11285-04-00/06

FINAL

DATE: Tuesday, May 22, 2012 13:55:48
 FILE: K:\Rockford\11285-04_Fence_Ph1\Drawn\Sheets\CAP_1.dwg
 UPDATE BY: Sean Smith
 LAYOUT: CAP_1
 IMAGE FILES: RFD_Airport_Logo-CMYK.cip
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 RFD_Property_Line.dwg
 RFD_Property_Line.dwg

REF DWG: 13-dwg
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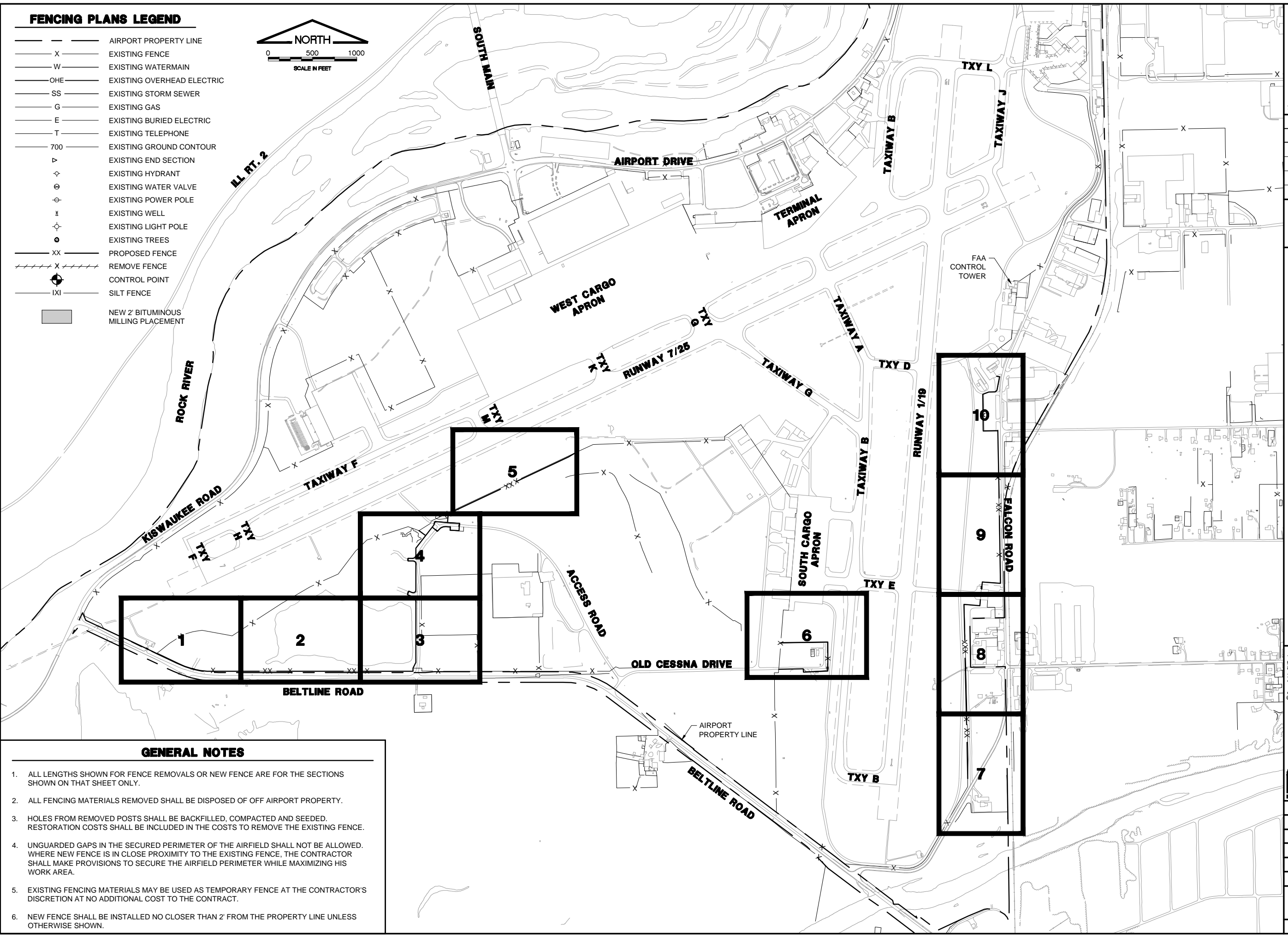
IMAGE FILES: RFD_Airport_logo-CMYK.jpg

UPDATE BY: Sean Smith
 LAYOUT: Key Plan

DATE: Tuesday, May 22, 2012 13:56:07
 FILE: K:\Rockford\11258-04_Fence_Ph1\Urban_Sheets\Fence_Key_Plan.dwg

FENCING PLANS LEGEND

- AIRPORT PROPERTY LINE
- X EXISTING FENCE
- W EXISTING WATERMAIN
- OHE EXISTING OVERHEAD ELECTRIC
- SS EXISTING STORM SEWER
- G EXISTING GAS
- E EXISTING BURIED ELECTRIC
- T EXISTING TELEPHONE
- 700 EXISTING GROUND CONTOUR
- ▷ EXISTING END SECTION
- ◇ EXISTING HYDRANT
- ⊙ EXISTING WATER VALVE
- ⊖ EXISTING POWER POLE
- ⊕ EXISTING WELL
- ⊙ EXISTING LIGHT POLE
- ⊙ EXISTING TREES
- XX PROPOSED FENCE
- REMOVE FENCE
- ⊙ CONTROL POINT
- IXI SILT FENCE
- NEW 2' BITUMINOUS MILLING PLACEMENT



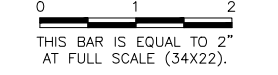
GENERAL NOTES

1. ALL LENGTHS SHOWN FOR FENCE REMOVALS OR NEW FENCE ARE FOR THE SECTIONS SHOWN ON THAT SHEET ONLY.
2. ALL FENCING MATERIALS REMOVED SHALL BE DISPOSED OF OFF AIRPORT PROPERTY.
3. HOLES FROM REMOVED POSTS SHALL BE BACKFILLED, COMPACTED AND SEEDDED. RESTORATION COSTS SHALL BE INCLUDED IN THE COSTS TO REMOVE THE EXISTING FENCE.
4. UNGUARDED GAPS IN THE SECURED PERIMETER OF THE AIRFIELD SHALL NOT BE ALLOWED. WHERE NEW FENCE IS IN CLOSE PROXIMITY TO THE EXISTING FENCE, THE CONTRACTOR SHALL MAKE PROVISIONS TO SECURE THE AIRFIELD PERIMETER WHILE MAXIMIZING HIS WORK AREA.
5. EXISTING FENCING MATERIALS MAY BE USED AS TEMPORARY FENCE AT THE CONTRACTOR'S DISCRETION AT NO ADDITIONAL COST TO THE CONTRACT.
6. NEW FENCE SHALL BE INSTALLED NO CLOSER THAN 2' FROM THE PROPERTY LINE UNLESS OTHERWISE SHOWN.

IL CONTRACT: **RO021**
 IL LETTING ITEM: **20A**
 IL PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

REVISIONS		
NUMBER	BY	DATE



**GREATER ROCKFORD AIRPORT AUTHORITY
 CHICAGO ROCKFORD INTERNATIONAL AIRPORT
 ROCKFORD, IL**

**REPLACE PERIMETER FENCE, PHASE 1
 FENCING KEY PLAN**

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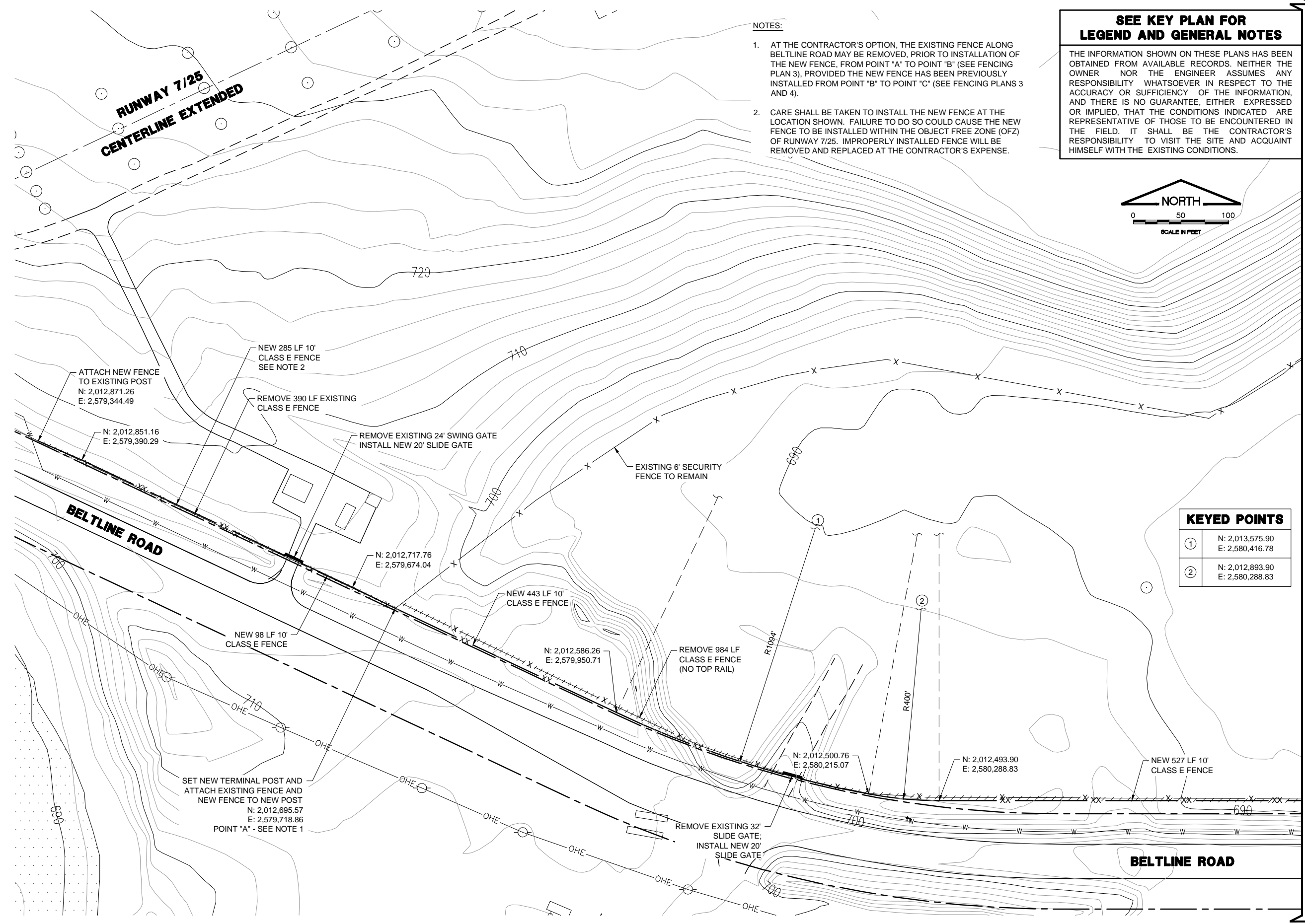
DESIGN BY:	SMS
DRAWN BY:	CMT
CHECKED BY:	SMS
APPROVED BY:	DLP
DATE:	04/20/2012
JOB No:	11285-04-00/06

PRE-FINAL

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 prop_fence.dwg
 RFD_PROPERTY_LINE.dwg

UPDATE BY: Sean Smith
 LAYOUT: FENCE PLAN 1

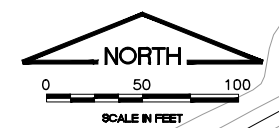
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- NOTES:**
1. AT THE CONTRACTOR'S OPTION, THE EXISTING FENCE ALONG BELTLINE ROAD MAY BE REMOVED, PRIOR TO INSTALLATION OF THE NEW FENCE, FROM POINT "A" TO POINT "B" (SEE FENCING PLAN 3), PROVIDED THE NEW FENCE HAS BEEN PREVIOUSLY INSTALLED FROM POINT "B" TO POINT "C" (SEE FENCING PLANS 3 AND 4).
 2. CARE SHALL BE TAKEN TO INSTALL THE NEW FENCE AT THE LOCATION SHOWN. FAILURE TO DO SO COULD CAUSE THE NEW FENCE TO BE INSTALLED WITHIN THE OBJECT FREE ZONE (OFZ) OF RUNWAY 7/25. IMPROPERLY INSTALLED FENCE WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

SEE KEY PLAN FOR LEGEND AND GENERAL NOTES

THE INFORMATION SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION, AND THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE CONDITIONS INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE FIELD. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND ACQUAINT HIMSELF WITH THE EXISTING CONDITIONS.



KEYED POINTS

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②	N: 2,012,893.90 E: 2,580,288.83

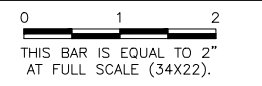
MATCHLINE - FENCING PLAN 2

IL CONTRACT: **RO021**
 IL LETTING ITEM: **20A**
 IL PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

REVISIONS

NUMBER	BY	DATE



**GREATER ROCKFORD AIRPORT AUTHORITY
 CHICAGO ROCKFORD INTERNATIONAL AIRPORT
 ROCKFORD, IL**

**REPLACE PERIMETER FENCE, PHASE 1
 FENCING PLAN 1
 BELTLINE ROAD**

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CHECKED BY:	SMS
APPROVED BY:	DLP
DATE:	04/20/2012
JOB No:	11258-04-00/06

FINAL

REF: DWG: 13.dwg
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 prop: fence.dwg
 RFD: PROPERTY LINE.dwg

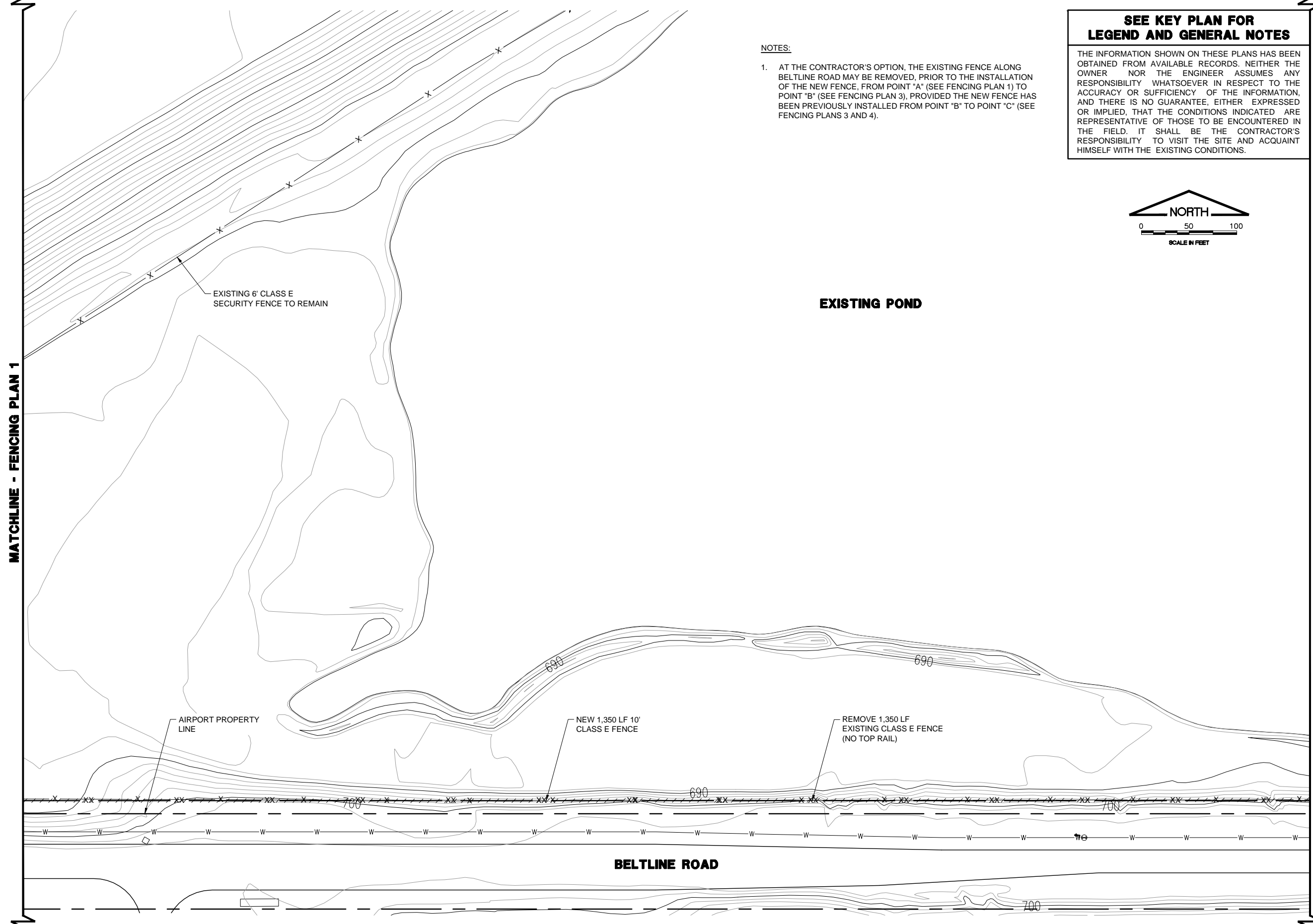
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UPDATE BY: Sean Smith
 LAYOUT: FENCE PLAN 2

DATE: Tuesday, May 22, 2012 13:56:28
 FILE: K:\Rockford\11285-04 Fence PH\Urban Sheets\FENCE PLAN 2.dwg

MATCHLINE - FENCING PLAN 1

MATCHLINE - FENCING PLAN 3



- NOTES:**
1. AT THE CONTRACTOR'S OPTION, THE EXISTING FENCE ALONG BELTLINE ROAD MAY BE REMOVED, PRIOR TO THE INSTALLATION OF THE NEW FENCE, FROM POINT "A" (SEE FENCING PLAN 1) TO POINT "B" (SEE FENCING PLAN 3), PROVIDED THE NEW FENCE HAS BEEN PREVIOUSLY INSTALLED FROM POINT "B" TO POINT "C" (SEE FENCING PLANS 3 AND 4).

SEE KEY PLAN FOR LEGEND AND GENERAL NOTES

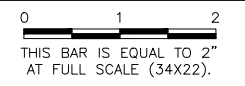
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IL CONTRACT: **RO021**
 IL LETTING ITEM: **20A**
 IL PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

REVISIONS		
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GREATER ROCKFORD AIRPORT AUTHORITY
CHICAGO ROCKFORD INTERNATIONAL AIRPORT
ROCKFORD, IL

REPLACE PERIMETER FENCE, PHASE 1
FENCING PLAN 2
BELTLINE ROAD

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DATE:	04/20/2012
JOB No:	11285-04-00/06

FINAL

XREF: DWG: 13.dwg
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 prop_fence.dwg
 RFD_PROPERTY_LINE.dwg

IMAGE FILES: RFD_Airport_logo-CMYK.cimg
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UPDATE BY: Sean Smith
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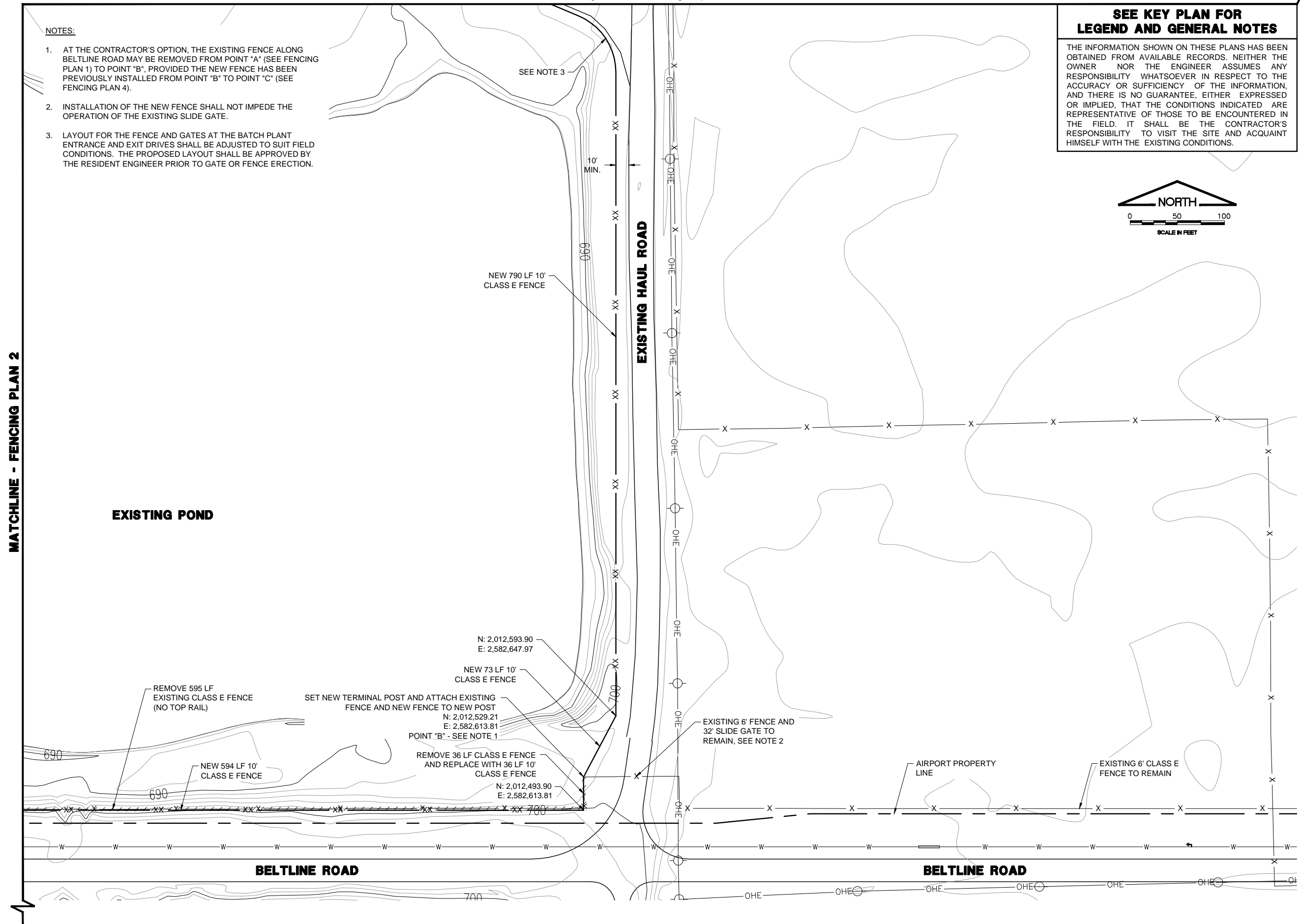
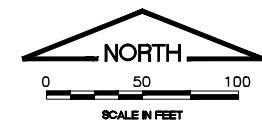
MATCHLINE - FENCING PLAN 4

NOTES:

1. AT THE CONTRACTOR'S OPTION, THE EXISTING FENCE ALONG BELTLINE ROAD MAY BE REMOVED FROM POINT "A" (SEE FENCING PLAN 1) TO POINT "B", PROVIDED THE NEW FENCE HAS BEEN PREVIOUSLY INSTALLED FROM POINT "B" TO POINT "C" (SEE FENCING PLAN 4).
2. INSTALLATION OF THE NEW FENCE SHALL NOT IMPEDE THE OPERATION OF THE EXISTING SLIDE GATE.
3. LAYOUT FOR THE FENCE AND GATES AT THE BATCH PLANT ENTRANCE AND EXIT DRIVES SHALL BE ADJUSTED TO SUIT FIELD CONDITIONS. THE PROPOSED LAYOUT SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO GATE OR FENCE ERECTION.

SEE KEY PLAN FOR LEGEND AND GENERAL NOTES

THE INFORMATION SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION, AND THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE CONDITIONS INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE FIELD. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND ACQUAINT HIMSELF WITH THE EXISTING CONDITIONS.

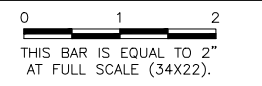


I.L. CONTRACT: **RO021**
 I.L. LETTING ITEM: **20A**
 I.L. PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

REVISIONS

NUMBER	BY	DATE



GREATER ROCKFORD AIRPORT AUTHORITY
CHICAGO ROCKFORD INTERNATIONAL AIRPORT
ROCKFORD, IL

REPLACE PERIMETER FENCE, PHASE 1
FENCING PLAN 3
BELTLINE ROAD

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DESIGN BY: SMS
 DRAWN BY: CMT
 CHECKED BY: SMS
 APPROVED BY: DLP
 DATE: 04/20/2012
 JOB No: 11258-04-00/06

FINAL

REF DWG: 13.dwg
 13point.dwg
 GIS BASE.dwg
 prop fence.dwg
 RFD PROPERTY LINE.dwg

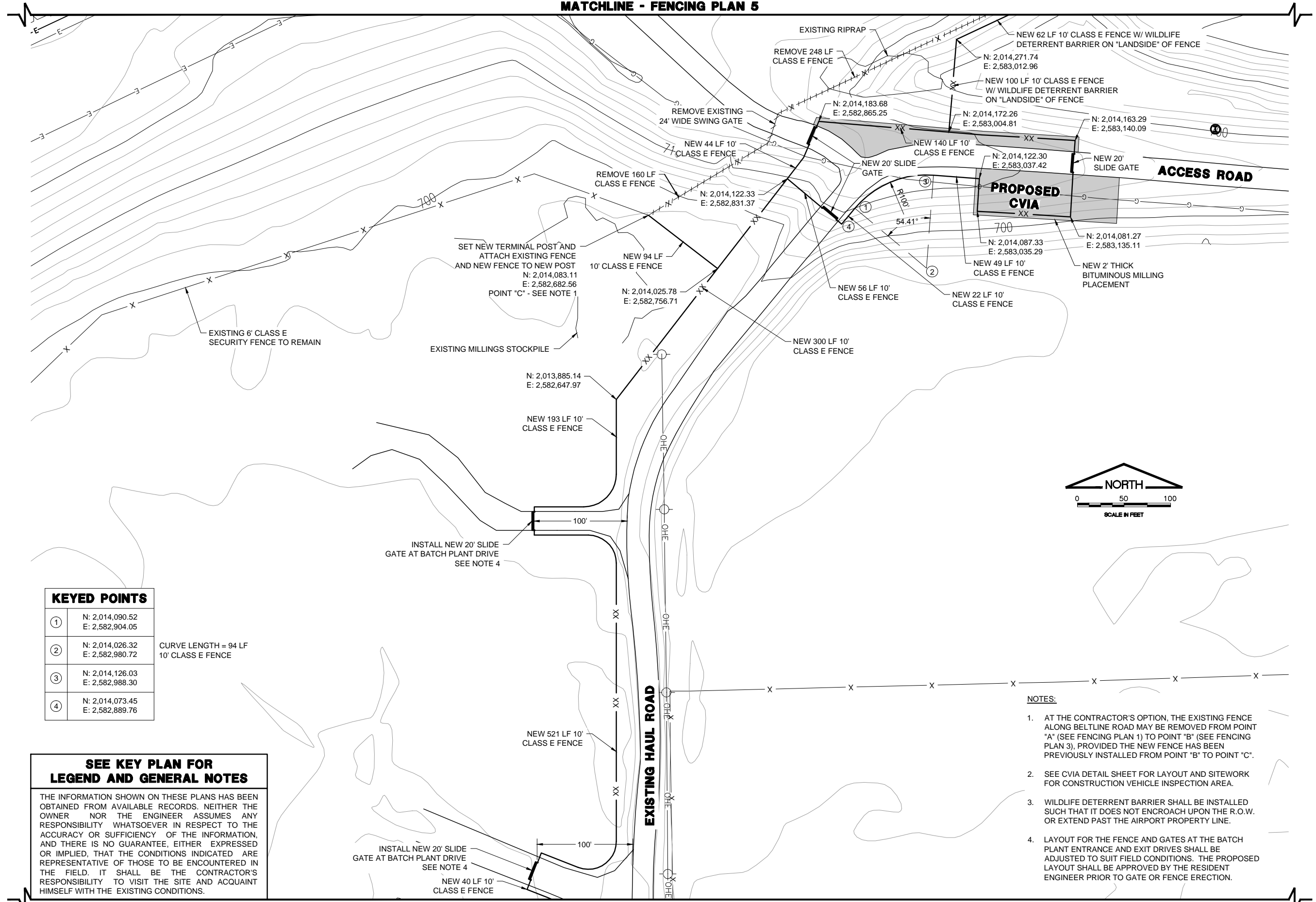
IMAGE FILES: RFD Airport logo-CMYK.caj

UPDATE BY: Sean Smith
 LAYOUT: FENCE PLAN 4

DATE: Tuesday, May 22, 2012 13:56:49
 FILE: K:\Rockford\11285-04-Fence-Plan\Draw Sheets\FENCE PLAN 4.dwg

MATCHLINE - FENCING PLAN 5

MATCHLINE - FENCING PLAN 3



KEYED POINTS	
①	N: 2,014,090.52 E: 2,582,904.05
②	N: 2,014,026.32 E: 2,582,980.72
③	N: 2,014,126.03 E: 2,582,988.30
④	N: 2,014,073.45 E: 2,582,889.76

CURVE LENGTH = 94 LF
 10' CLASS E FENCE

SEE KEY PLAN FOR LEGEND AND GENERAL NOTES

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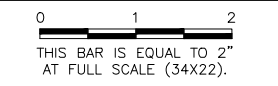


- NOTES:**
- AT THE CONTRACTOR'S OPTION, THE EXISTING FENCE ALONG BELTLINE ROAD MAY BE REMOVED FROM POINT "A" (SEE FENCING PLAN 1) TO POINT "B" (SEE FENCING PLAN 3), PROVIDED THE NEW FENCE HAS BEEN PREVIOUSLY INSTALLED FROM POINT "B" TO POINT "C".
 - SEE CVIA DETAIL SHEET FOR LAYOUT AND SITWORK FOR CONSTRUCTION VEHICLE INSPECTION AREA.
 - WILDLIFE DETERRENT BARRIER SHALL BE INSTALLED SUCH THAT IT DOES NOT ENCROACH UPON THE R.O.W. OR EXTEND PAST THE AIRPORT PROPERTY LINE.
 - LAYOUT FOR THE FENCE AND GATES AT THE BATCH PLANT ENTRANCE AND EXIT DRIVES SHALL BE ADJUSTED TO SUIT FIELD CONDITIONS. THE PROPOSED LAYOUT SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO GATE OR FENCE ERECTION.

IL CONTRACT: **RO021**
 IL LETTING ITEM: **20A**
 IL PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

REVISIONS		
NUMBER	BY	DATE



**GREATER ROCKFORD AIRPORT AUTHORITY
 CHICAGO ROCKFORD INTERNATIONAL AIRPORT
 ROCKFORD, IL**

**REPLACE PERIMETER FENCE, PHASE 1
 FENCING PLAN 4
 BELTLINE ROAD**

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CHECKED BY:	SMS
APPROVED BY:	DLP
DATE:	04/20/2012
JOB No:	11285-04-00/06

FINAL

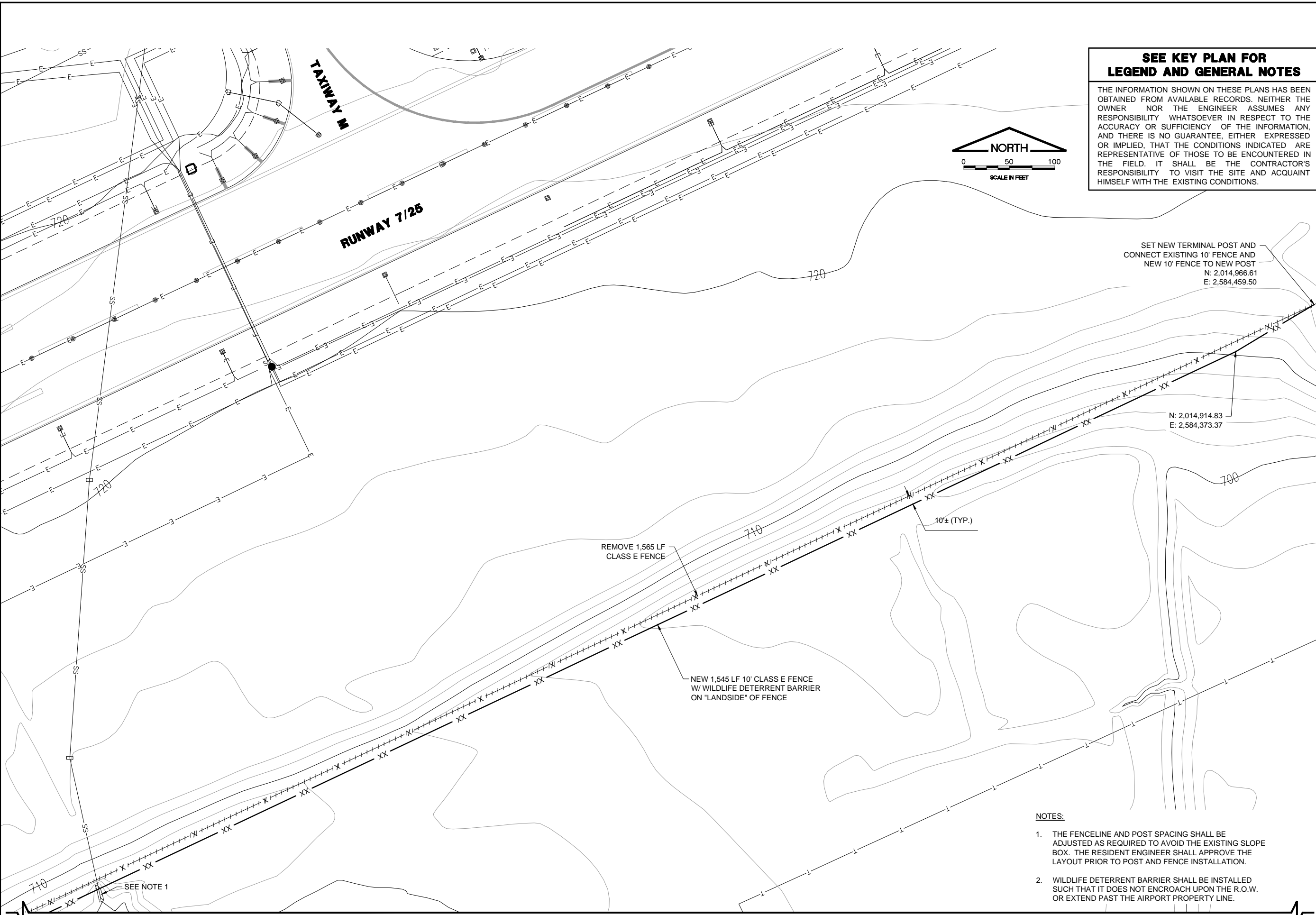
SHEET 09 OF 19 SHEETS

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 13-dwg
 GIS: BASE.dwg
 RFD: PROPERTY LINE.dwg

IMAGE FILES: RFD Airport Logo-CMYK.jpg

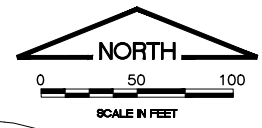
UPDATE BY: Sean Smith
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DATE: Tuesday, May 22, 2012 13:56:58
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SEE KEY PLAN FOR LEGEND AND GENERAL NOTES

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SET NEW TERMINAL POST AND CONNECT EXISTING 10' FENCE AND NEW 10' FENCE TO NEW POST
 N: 2,014,966.61
 E: 2,584,459.50

N: 2,014,914.83
 E: 2,584,373.37

REMOVE 1,565 LF CLASS E FENCE

NEW 1,545 LF 10' CLASS E FENCE W/ WILDLIFE DETERRENT BARRIER ON "LANDSIDE" OF FENCE

10'± (TYP.)

NOTES:

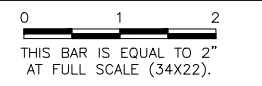
1. THE FENCELINE AND POST SPACING SHALL BE ADJUSTED AS REQUIRED TO AVOID THE EXISTING SLOPE BOX. THE RESIDENT ENGINEER SHALL APPROVE THE LAYOUT PRIOR TO POST AND FENCE INSTALLATION.
2. WILDLIFE DETERRENT BARRIER SHALL BE INSTALLED SUCH THAT IT DOES NOT ENCROACH UPON THE R.O.W. OR EXTEND PAST THE AIRPORT PROPERTY LINE.

MATCHLINE - FENCING PLAN 4

IL CONTRACT: **RO021**
 IL LETTING ITEM: **20A**
 IL PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

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**GREATER ROCKFORD AIRPORT AUTHORITY
 CHICAGO ROCKFORD INTERNATIONAL AIRPORT
 ROCKFORD, IL**

**REPLACE PERIMETER FENCE, PHASE 1
 FENCING PLAN 5**

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DATE:	04/20/2012
JOB No:	11285-04-00/06

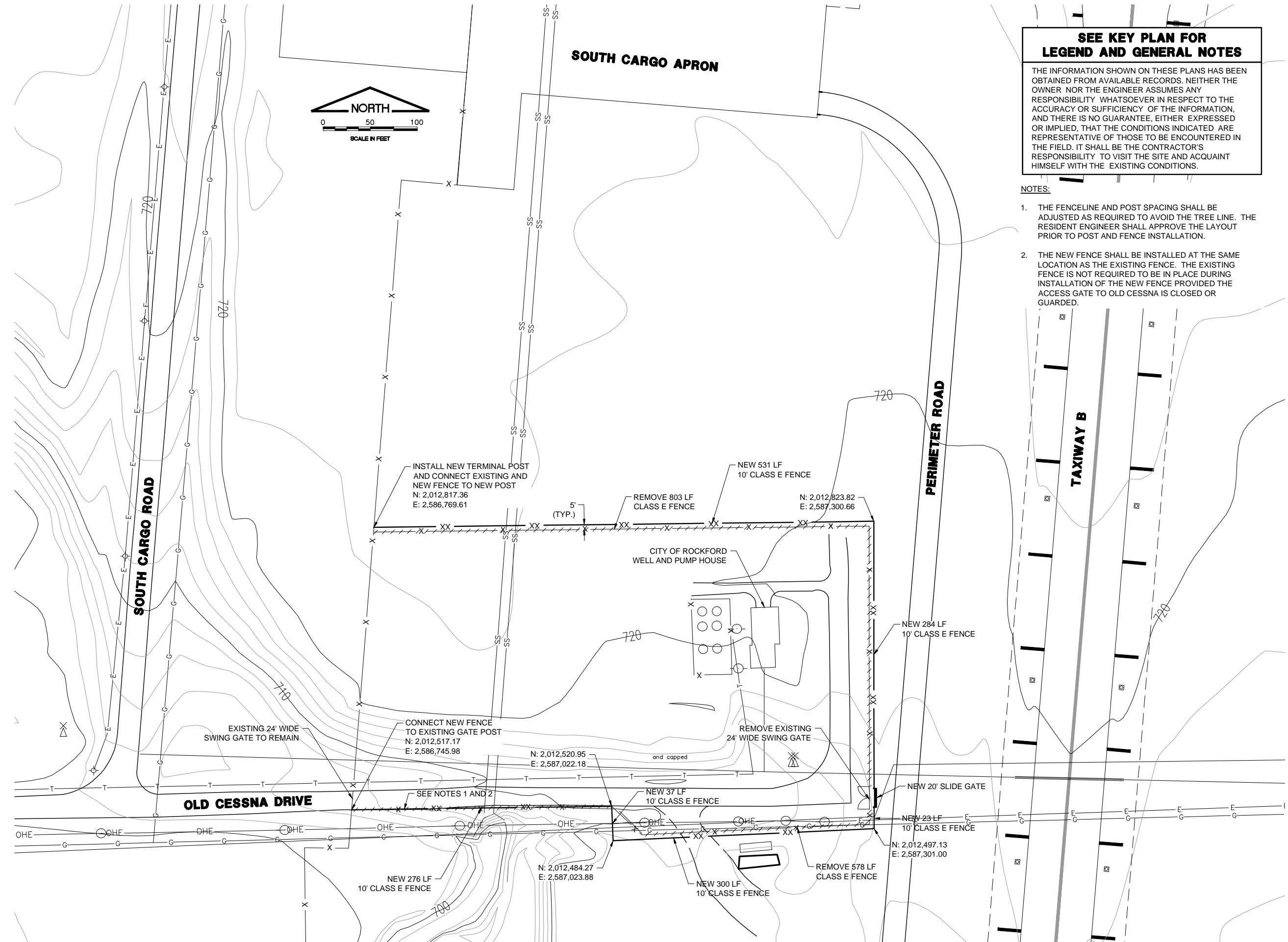
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IMAGE FILES: RFD_Airport_logo-CMYK.jpg

UPDATE BY: Sean Smith
 LAYOUT: FENCE PLAN 6

DATE: Tuesday, May 22, 2012 13:57:08
 FILE: K:\Rockford\11285-04_Fence_Plan\Sheet\FENCE PLAN 6.dwg



SEE KEY PLAN FOR LEGEND AND GENERAL NOTES

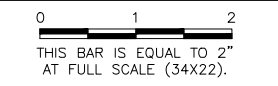
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- NOTES:**
1. THE FENCELINE AND POST SPACING SHALL BE ADJUSTED AS REQUIRED TO AVOID THE TREE LINE. THE RESIDENT ENGINEER SHALL APPROVE THE LAYOUT PRIOR TO POST AND FENCE INSTALLATION.
 2. THE NEW FENCE SHALL BE INSTALLED AT THE SAME LOCATION AS THE EXISTING FENCE. THE EXISTING FENCE IS NOT REQUIRED TO BE IN PLACE DURING INSTALLATION OF THE NEW FENCE PROVIDED THE ACCESS GATE TO OLD CESSNA IS CLOSED OR GUARDED.

IL CONTRACT: **RO021**
 IL LETTING ITEM: **20A**
 IL PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

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GREATER ROCKFORD AIRPORT AUTHORITY
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REPLACE PERIMETER FENCE, PHASE 1

FENCING PLAN 6
CITY OF ROCKFORD WELL AND PUMPHOUSE

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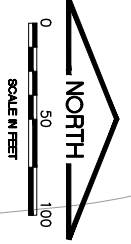
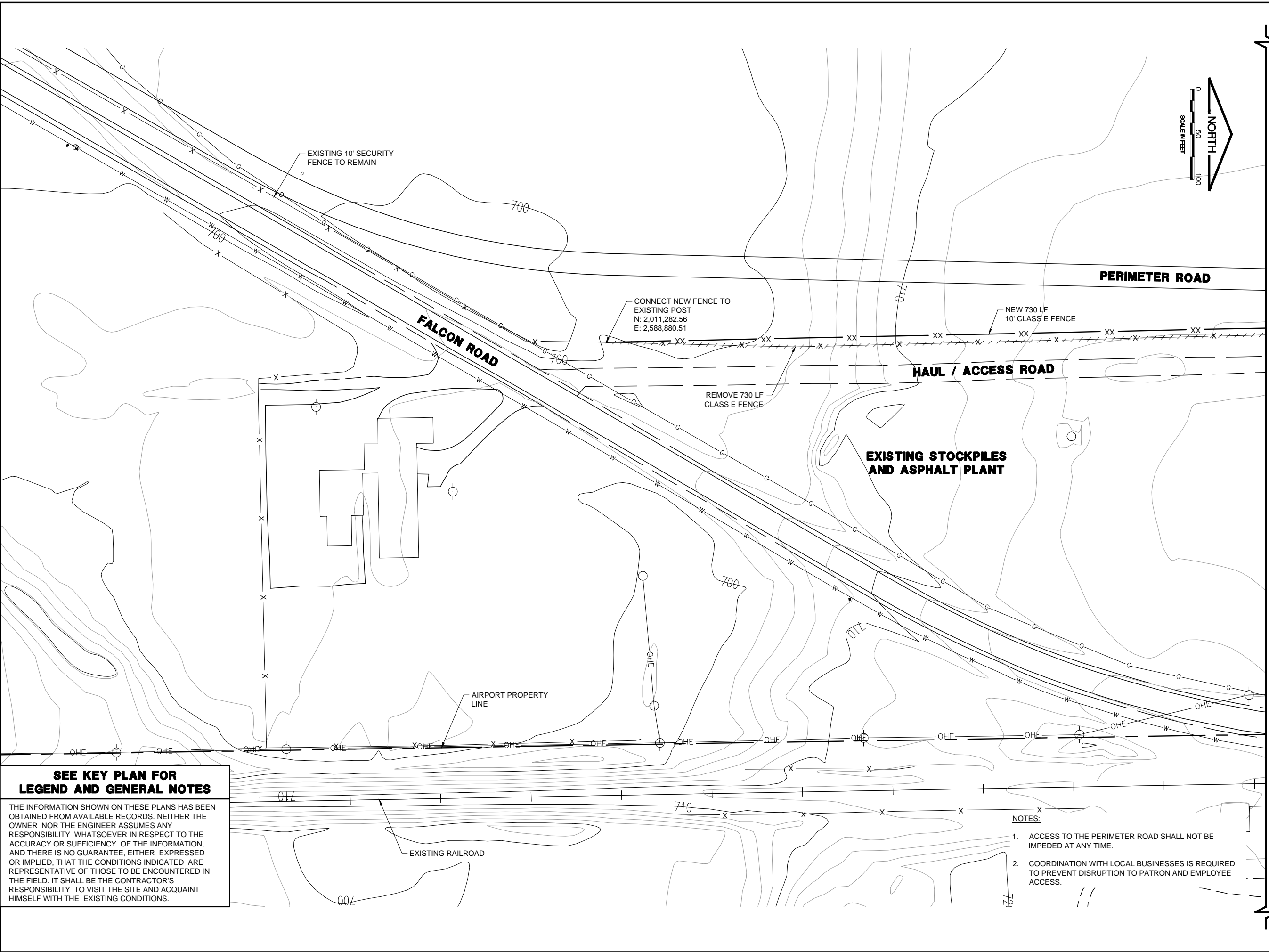
SHEET 11 OF 19 SHEETS

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IMAGE FILES: RFD_Airport_logo-CMYK.jpg

UPDATE BY: Sean Smith
 LAYOUT: FENCE PLAN 7

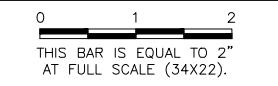
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IL CONTRACT: **RO021**
 IL LETTING ITEM: **20A**
 IL PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

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MATCHLINE - FENCING PLAN 8

SEE KEY PLAN FOR LEGEND AND GENERAL NOTES

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NOTES:

1. ACCESS TO THE PERIMETER ROAD SHALL NOT BE IMPEDED AT ANY TIME.
2. COORDINATION WITH LOCAL BUSINESSES IS REQUIRED TO PREVENT DISRUPTION TO PATRON AND EMPLOYEE ACCESS.

GREATER ROCKFORD AIRPORT AUTHORITY
CHICAGO ROCKFORD INTERNATIONAL AIRPORT
ROCKFORD, IL

REPLACE PERIMETER FENCE, PHASE 1
FENCING PLAN 7
FALCON ROAD

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KREF: DWG: 13.dwg
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IMAGE FILES: RFD_Airport_logo-CMYK.caj

UPDATE BY: Sean Smith
 LAYOUT: FENCE PLAN 8

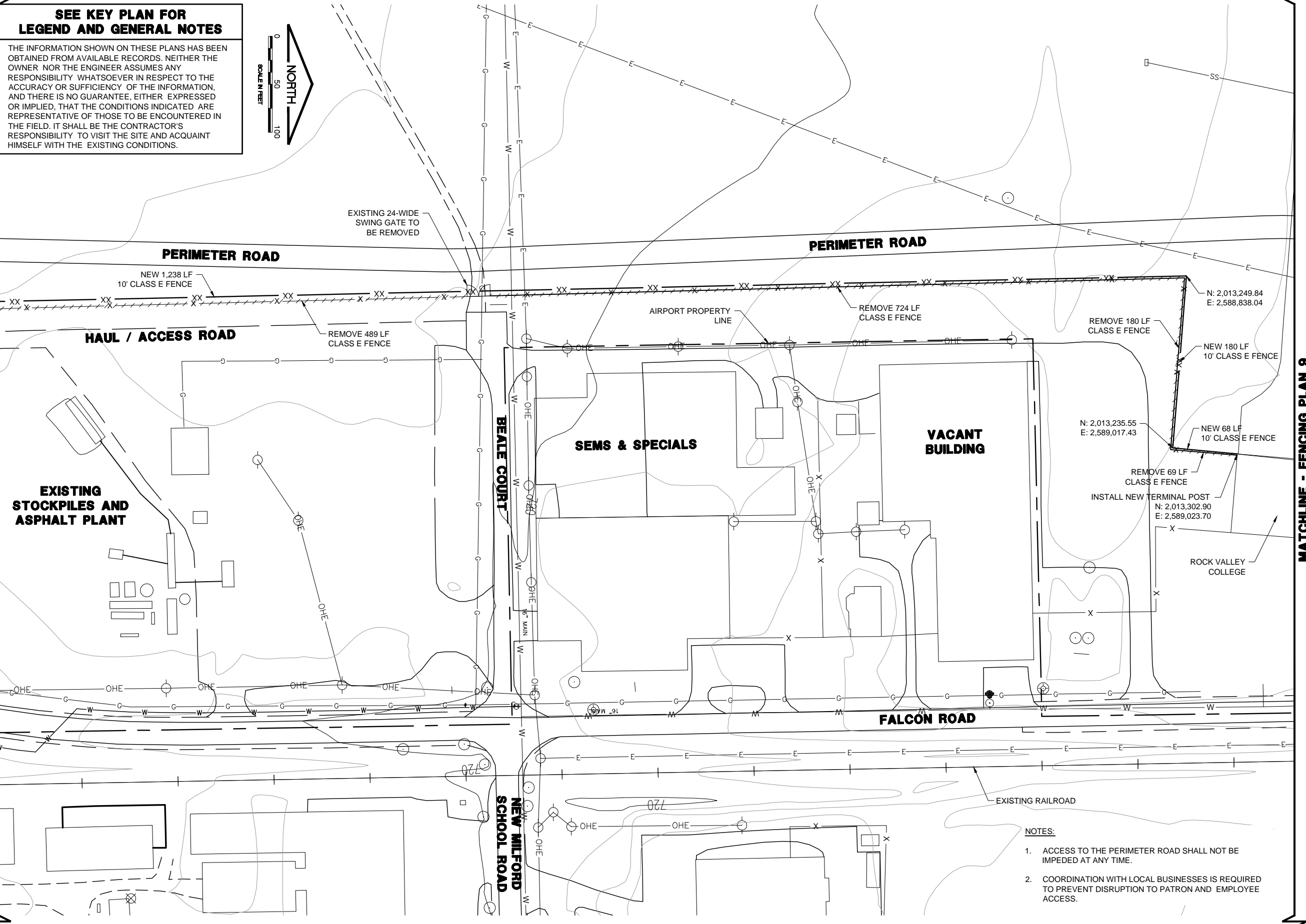
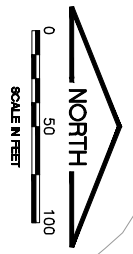
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MATCHLINE - FENCING PLAN 7

MATCHLINE - FENCING PLAN 9

SEE KEY PLAN FOR LEGEND AND GENERAL NOTES

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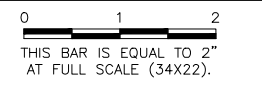


- NOTES:**
- ACCESS TO THE PERIMETER ROAD SHALL NOT BE IMPEDED AT ANY TIME.
 - COORDINATION WITH LOCAL BUSINESSES IS REQUIRED TO PREVENT DISRUPTION TO PATRON AND EMPLOYEE ACCESS.

IL CONTRACT: **RO021**
 IL LETTING ITEM: **20A**
 IL PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

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GREATER ROCKFORD AIRPORT AUTHORITY
 CHICAGO ROCKFORD INTERNATIONAL AIRPORT
 ROCKFORD, IL

REPLACE PERIMETER FENCE, PHASE 1
 FENCING PLAN 8
 FALCON ROAD

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DATE:	04/20/2012
JOB No:	11285-04-00/06

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KREF: DWG: 13.dwg
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IMAGE FILES: RFD_Airport_logo-CMYK.jpg

UPDATE BY: Sean Smith
 LAYOUT: FENCE PLAN 9

DATE: Tuesday, May 22, 2012 13:57:38
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MATCHLINE - FENCING PLAN 8

MATCHLINE - FENCING PLAN 10

- NOTES:**
- ACCESS TO THE PERIMETER ROAD SHALL NOT BE IMPEDED AT ANY TIME.
 - COORDINATION WITH LOCAL BUSINESSES IS REQUIRED TO PREVENT DISRUPTION TO PATRON AND EMPLOYEE ACCESS.
 - WILDLIFE DETERRENT BARRIER SHALL BE INSTALLED SUCH THAT IT DOES NOT ENCROACH UPON THE R.O.W. OR EXTEND PAST THE AIRPORT PROPERTY LINE.

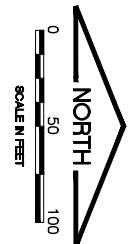
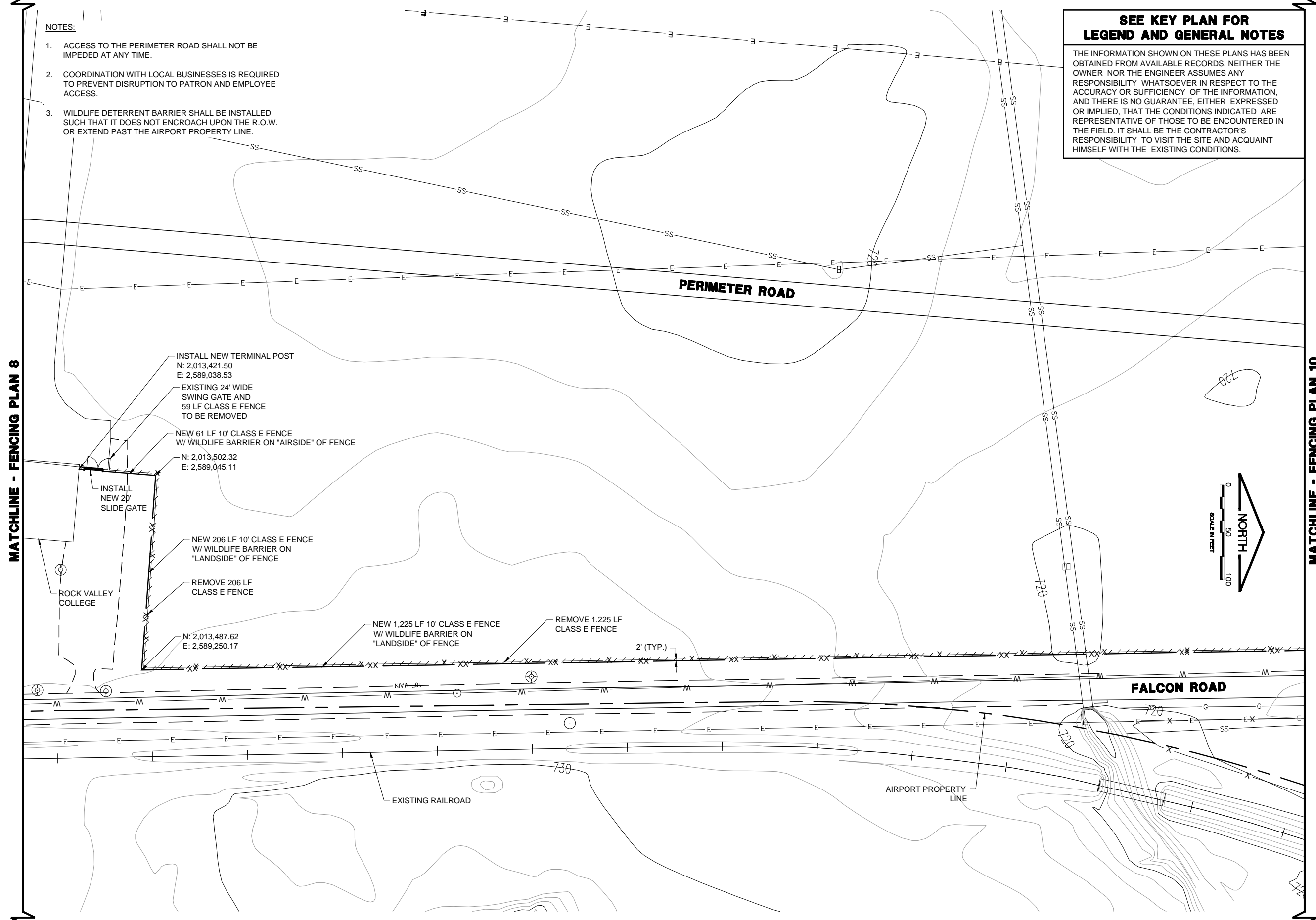
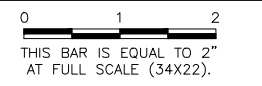
SEE KEY PLAN FOR LEGEND AND GENERAL NOTES

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IL CONTRACT: **RO021**
 IL LETTING ITEM: **20A**
 IL PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

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GREATER ROCKFORD AIRPORT AUTHORITY
 CHICAGO ROCKFORD INTERNATIONAL AIRPORT
 ROCKFORD, IL

REPLACE PERIMETER FENCE, PHASE 1
 FENCING PLAN 9
 FALCON ROAD

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APPROVED BY:	DLP
DATE:	04/20/2012
JOB No:	11285-04-00/06

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KREF DWG: 13.dwg
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 GIS_BASE.dwg
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IMAGE FILES: RFD Airport Logo-CMYK.jpg

UPDATE BY: Sean Smith
 LAYOUT: FENCE PLAN 10

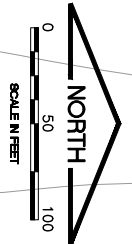
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MATCHLINE - FENCING PLAN 9

- NOTES:**
- ACCESS TO THE PERIMETER ROAD SHALL NOT BE IMPEDED AT ANY TIME.
 - COORDINATION WITH LOCAL BUSINESSES IS REQUIRED TO PREVENT DISRUPTION TO PATRON AND EMPLOYEE ACCESS.
 - WILDLIFE DETERRENT BARRIER SHALL BE INSTALLED SUCH THAT IT DOES NOT ENCR OACH UPON THE R.O.W. OR EXTEND PAST THE AIRPORT PROPERTY LINE.
 - A TERMINAL POST SHALL BE INSTALLED AT THE END OF THE BASE BID LIMITS IF ADDITIVE ALTERNATE 2 IS NOT AWARDED, AND THE EXISTING FENCE SHALL BE CONNECTED TO THE NEW TERMINAL POST. COSTS TO TIE THE EXISTING FENCE TO THE NEW FENCE SHALL BE CONSIDERED INCIDENTAL TO THE FENCING ITEMS.

SEE KEY PLAN FOR LEGEND AND GENERAL NOTES

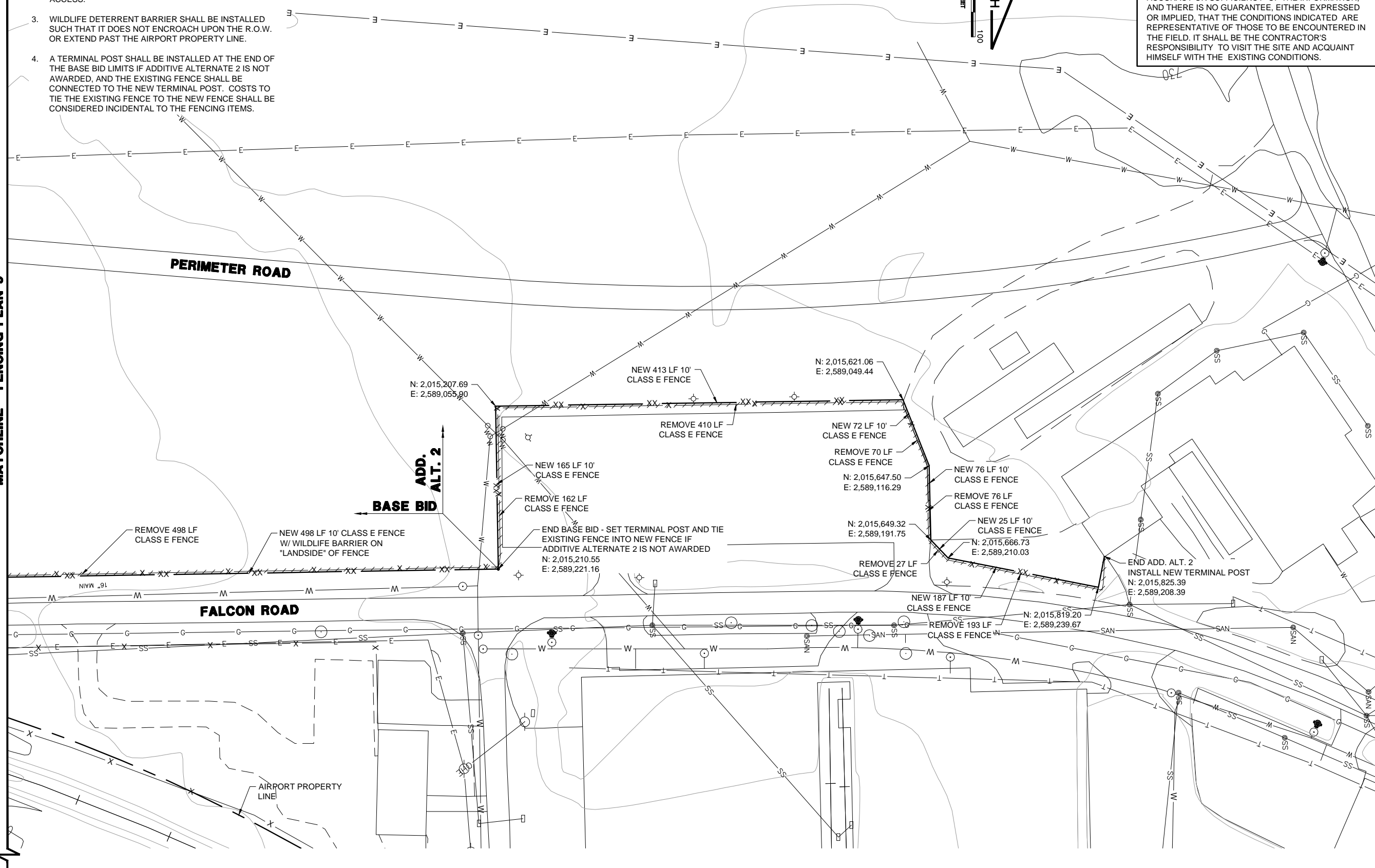
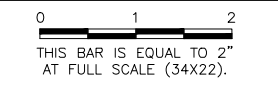
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IL CONTRACT: **RO021**
 IL LETTING ITEM: **20A**
 IL PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

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**GREATER ROCKFORD AIRPORT AUTHORITY
 CHICAGO ROCKFORD INTERNATIONAL AIRPORT
 ROCKFORD, IL**

**REPLACE PERIMETER FENCE, PHASE 1
 FENCING PLAN 10
 FALCON ROAD**

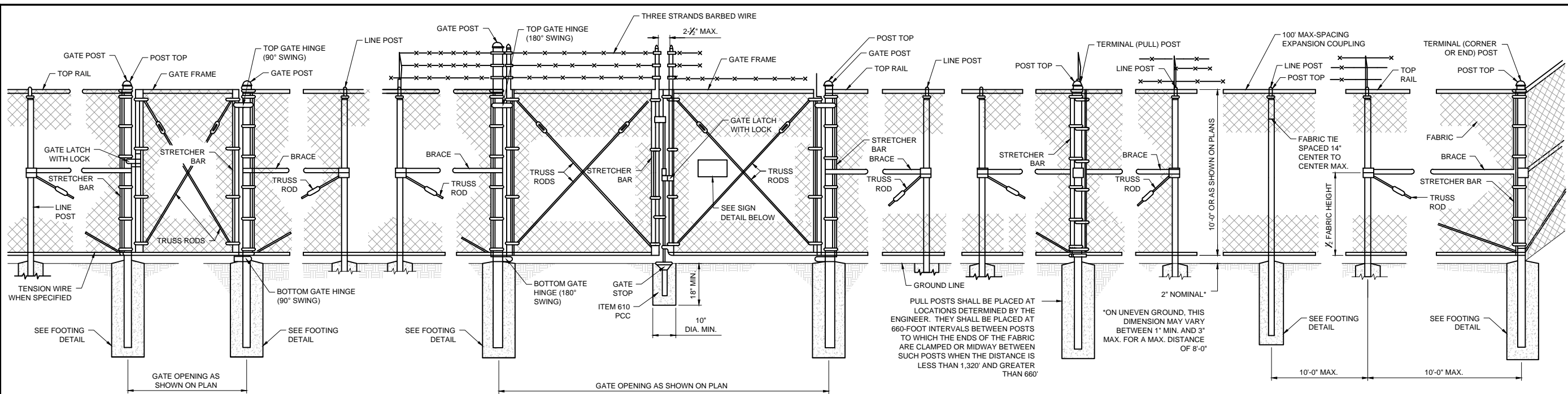
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DATE:	04/20/2012
JOB No:	11285-04-00/06

FINAL

DATE: Tuesday, May 22, 2012 13:58:07
 FILE: K:\Rockford\11258-04 Fence-Plan\Draw Sheets\FENCE DETAILS 1.dwg
 UPDATE BY: Sean Smith
 LAYOUT: FENCE DETAILS 1
 REF DWG: 11258-04
 IMAGE FILES: RFD Airport Logo-CMYK.jpg



PEDESTRIAN GATE ARRANGEMENT

VEHICLE GATE ARRANGEMENT

PULL POST ARRANGEMENT

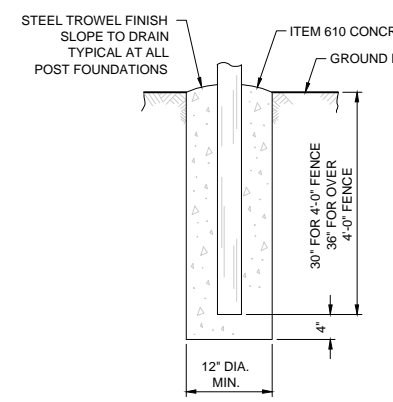
LINE POST ARRANGEMENT

CORNER OR END POST ARRANGEMENT

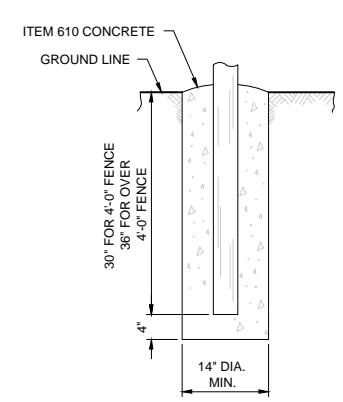
ALL VEHICLE GATES SHALL BE CANTILEVER SLIDE GATES IN ACCORDANCE WITH THE DETAILS ON SHEET 19

PULL POSTS SHALL BE PLACED AT LOCATIONS DETERMINED BY THE ENGINEER. THEY SHALL BE PLACED AT 660-FOOT INTERVALS BETWEEN POSTS TO WHICH THE ENDS OF THE FABRIC ARE CLAMPED OR MIDWAY BETWEEN SUCH POSTS WHEN THE DISTANCE IS LESS THAN 1,320' AND GREATER THAN 660'

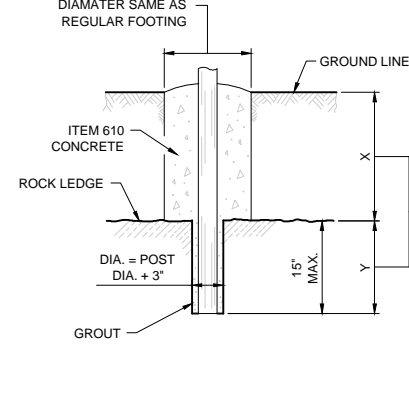
*ON UNEVEN GROUND, THIS DIMENSION MAY VARY BETWEEN 1' MIN. AND 3' MAX. FOR A MAX. DISTANCE OF 8'-0"



FOOTING FOR LINE POST

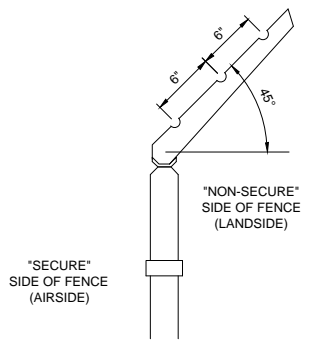


FOOTING FOR GATE & TERMINAL POST

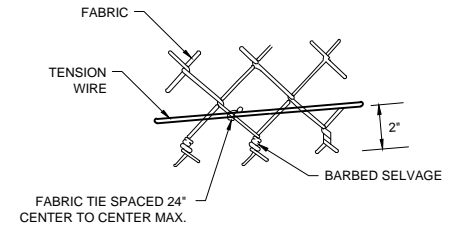


FOOTING FOR POST IN ROCK LEDGE

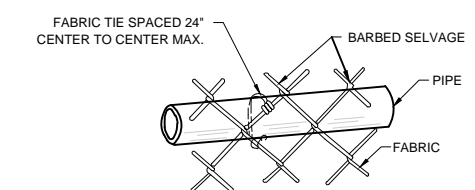
X + Y SHALL NOT EXCEED 36 INCHES. WHEN X IS 21 INCHES, THEN Y = 15 INCHES AND THE POST SHALL BE SHORTENED AS REQUIRED. WHEN X EXCEEDS 21 INCHES, THEN Y SHALL BE DECREASED CORRESPONDINGLY.



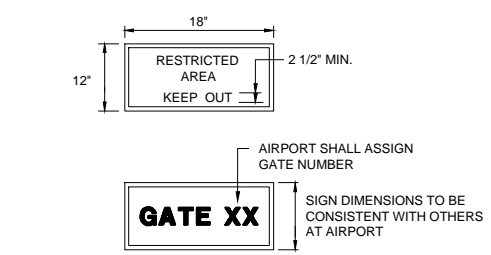
DETAIL - BARBED WIRE ARM ON LINE POST



METHOD OF TYING FABRIC TO TENSION WIRE

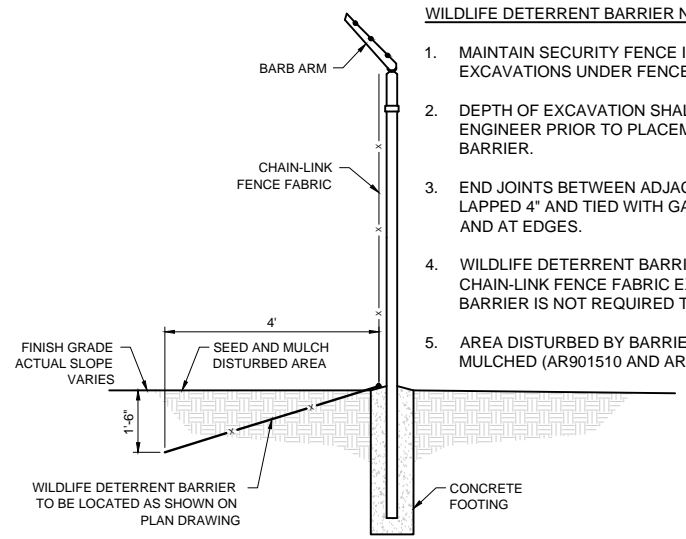


METHOD OF TYING FABRIC TO PIPE



SIGN DETAILS

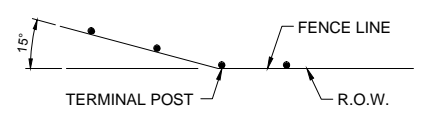
- NOTES:**
- EACH GATE SHALL REQUIRE ONE "RESTRICTED" SIGN AND ONE "NUMBER" SIGN. AIRPORT SHALL PROVIDE GATE NUMBER. EVERY 100' OF FENCE SHALL REQUIRE ONE "RESTRICTED" SIGN. COST INCIDENTAL TO FENCE.
 - 0.08 GA ALUMINUM ALLOY SHEET. LETTERING SHALL BE RED ON A WHITE BACKGROUND.



WILDLIFE DETERRENT BARRIER

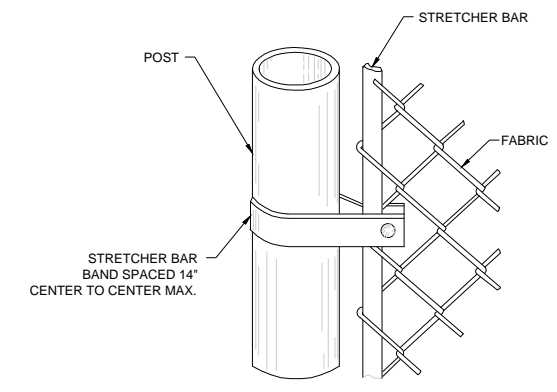
WILDLIFE DETERRENT BARRIER NOTES:

- MAINTAIN SECURITY FENCE INTEGRITY AT ALL TIMES. DO NOT LEAVE EXCAVATIONS UNDER FENCE FABRIC WHICH WOULD PERMIT ACCESS.
- DEPTH OF EXCAVATION SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO PLACEMENT OF THE WILDLIFE DETERRENT BARRIER.
- END JOINTS BETWEEN ADJACENT SECTIONS OF WIRE FABRIC MUST BE LAPPED 4" AND TIED WITH GALVANIZED WIRE TIES AT 2'-0" ON CENTER AND AT EDGES.
- WILDLIFE DETERRENT BARRIER SHALL BE THE SAME AS THE CHAIN-LINK FENCE FABRIC EXCEPT THAT THE WILDLIFE DETERRENT BARRIER IS NOT REQUIRED TO BE VINYL COATED.
- AREA DISTURBED BY BARRIER INSTALLATION SHALL BE SEEDED AND MULCHED (AR901510 AND AR908510)



- NOTES:**
- WHEN THE FENCE LINE HAS A CHANGE IN DIRECTION OF 15° OR MORE, A TERMINAL POST SHALL BE PLACED AS SHOWN ABOVE.
- WHERE THE ANGLE IS LESS THAN 15° AND EXISTING CONDITIONS REQUIRE A TERMINAL POST, THEY SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

INSTALLATION AT CORNERS

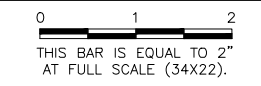


METHOD OF FASTENING STRETCHER BAR TO POST

IL CONTRACT: **RO021**
 IL LETTING ITEM: **20A**
 IL PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

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NUMBER	BY	DATE



GREATER ROCKFORD AIRPORT AUTHORITY
CHICAGO ROCKFORD INTERNATIONAL AIRPORT
ROCKFORD, IL

REPLACE PERIMETER FENCE, PHASE 1
FENCING DETAILS SHEET 1

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CHECKED BY:	SMS
APPROVED BY:	DLP
DATE:	04/20/2012
JOB No:	11285-04-00/06

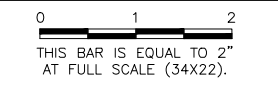
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 REF: DWG: 11258-04-Fence_Plan.dwg
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I.L. CONTRACT: **RO021**
 I.L. LETTING ITEM: **20A**
 I.L. PROJECT: **RFD-4184**
 A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

REVISIONS		
NUMBER	BY	DATE



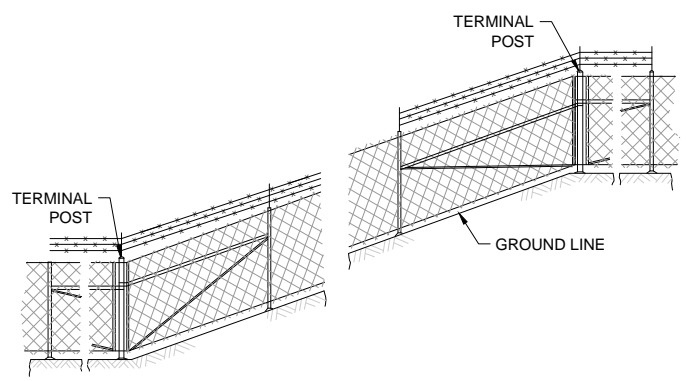
GREATER ROCKFORD AIRPORT AUTHORITY
CHICAGO ROCKFORD INTERNATIONAL AIRPORT
ROCKFORD, IL
REPLACE PERIMETER FENCE, PHASE 1
FENCING DETAILS SHEET 2

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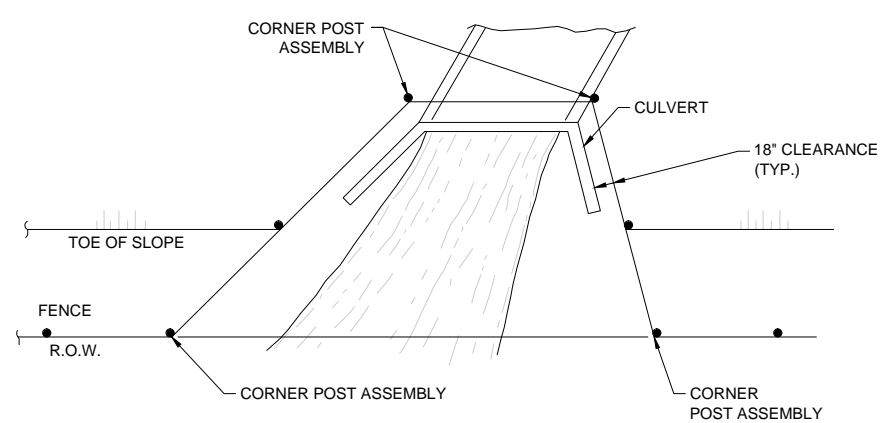

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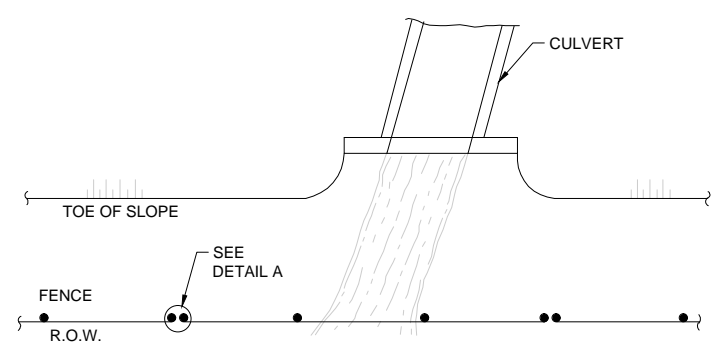
SHEET 18 OF 19 SHEETS



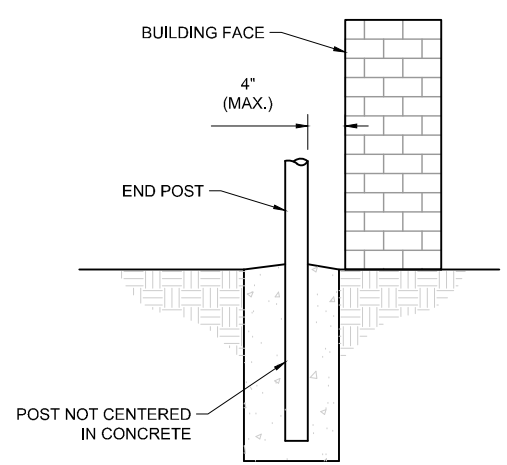
INSTALLATION ON SLOPES



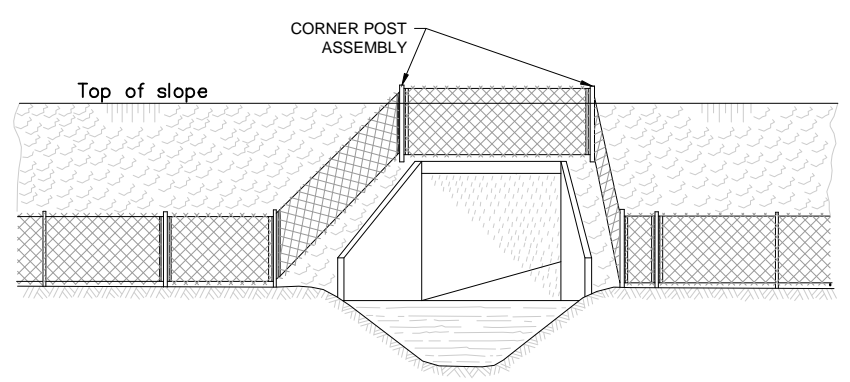
PLAN AT HEADWALL



PLAN AT STREAM CROSSING

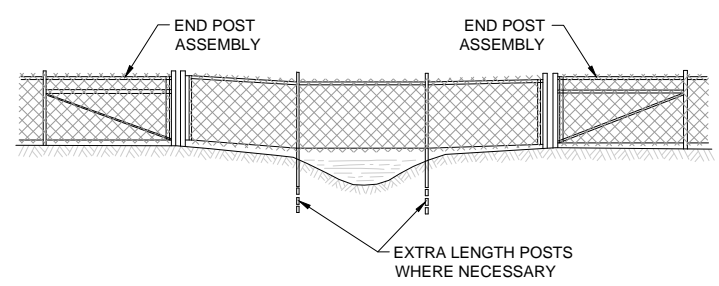


FENCE INSTALLATION AT BUILDING FACE



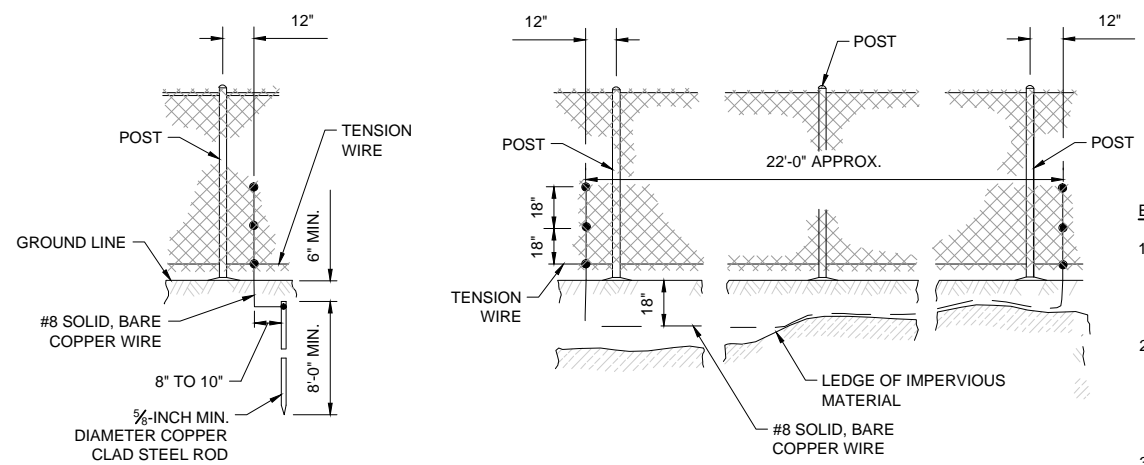
WHEN THE WIDTH OF THE CULVERT MAKES IT NECESSARY TO ANCHOR A POST TO THE TOP OF THE CULVERT, A CAST IRON SHOE OR OTHER DEVICE APPROVED BY THE ENGINEER SHALL BE USED.

ELEVATION INSTALLATION AROUND HEADWALL



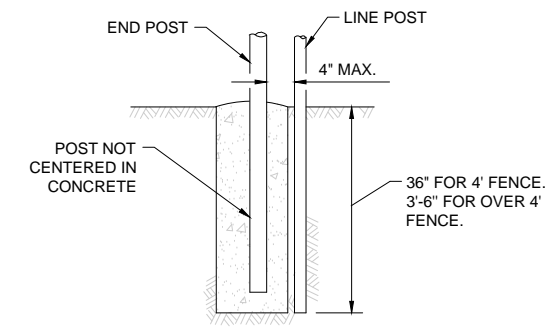
THE CHAIN LINK FABRIC SHALL BE REPLACED BY BARBED WIRE STRANDS AT 12-INCH MAXIMUM CENTERS BETWEEN THE DOUBLE POSTS SHOWN ON DETAIL A WHEN SHOWN ON THE PLANS.

ELEVATION INSTALLATION OVER STREAM



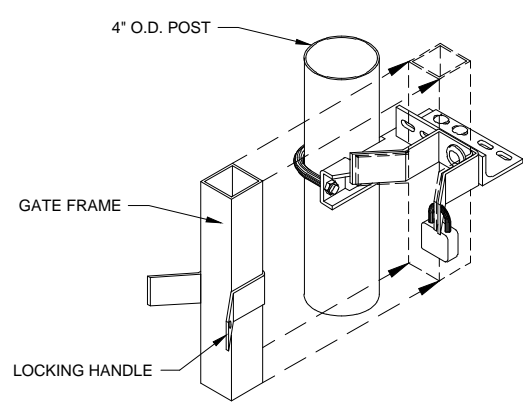
PROTECTIVE ELECTRICAL GROUNDS

- ELECTRICAL GROUNDING NOTES:**
- CONTINUOUS FENCE SHALL BE GROUNDED AT INTERVALS NOT EXCEEDING 1000' EXCEPT THERE SHALL BE A GROUND NOT EXCEEDING 100 FT. FROM A GATE IN EACH SECTION OF THE FENCE ADJACENT TO THE GATE.
 - FENCE UNDER POWER LINE SHALL BE GROUNDED BY THREE GROUNDS, ONE DIRECTLY UNDER THE CROSSING AND ONE ON EACH SIDE 25 TO 50 FT. AWAY. A SINGLE GROUND SHALL BE LOCATED DIRECTLY UNDER EACH TELEPHONE WIRE OR CABLE CROSSING.
 - THE COUNTERPOISE SHALL BE USED ONLY WHERE IT IS IMPOSSIBLE TO DRIVE A GROUND ROD BECAUSE OF AN IMPERVIOUS EARTH STRUCTURES.
 - THE GROUND WIRE SHALL BE CONNECTED TO THE FABRIC AND THE GROUND ROD BY A MECHANICAL CLAMP OF CAST BRONZE BODY AND BRONZE OR STAINLESS STEEL BOLTS AND WASHERS. WHEN A TENSION WIRE IS REQUIRED, THE BOTTOM CONNECTION OF THE GROUND WIRE SHALL BE MADE TO THE TENSION WIRE.

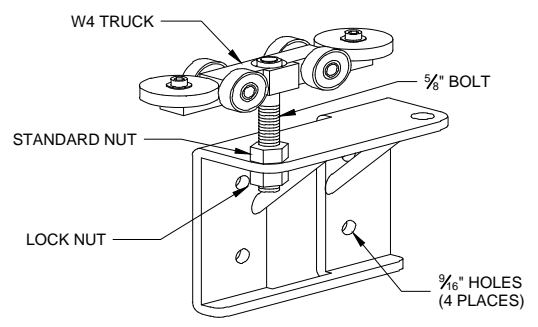


DETAIL A

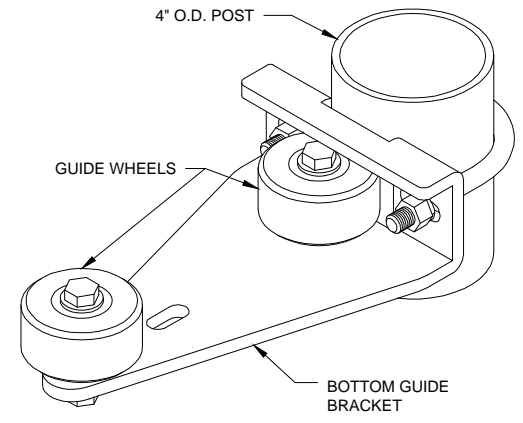
DATE: Tuesday, May 22, 2012 13:58:15
 FILE: K:\Rockford\11285-04-Fence-Phase1\Draw Sheets\GATE DETAILS.dwg
 UPDATE BY: Sean Smith
 LAYOUT: GATE DETAILS
 IMAGE FILES: RFD Airport Logo-CMYK.caj
 REF DWG: 11285-04-Fence-Phase1.dwg
 BMD:11285-04-Fence-Phase1.dwg



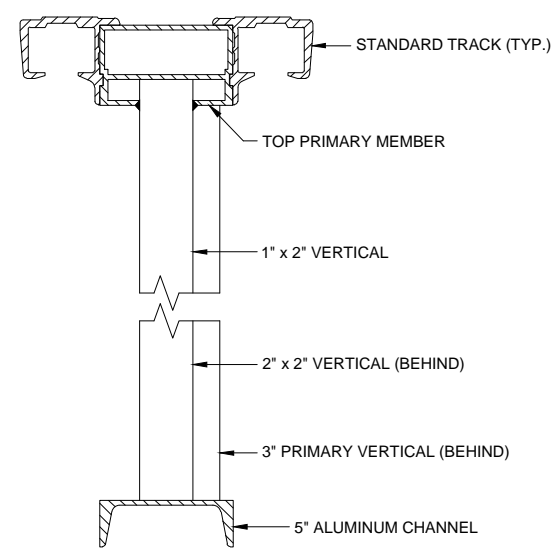
CATCH ASSEMBLY DETAIL
N.T.S.



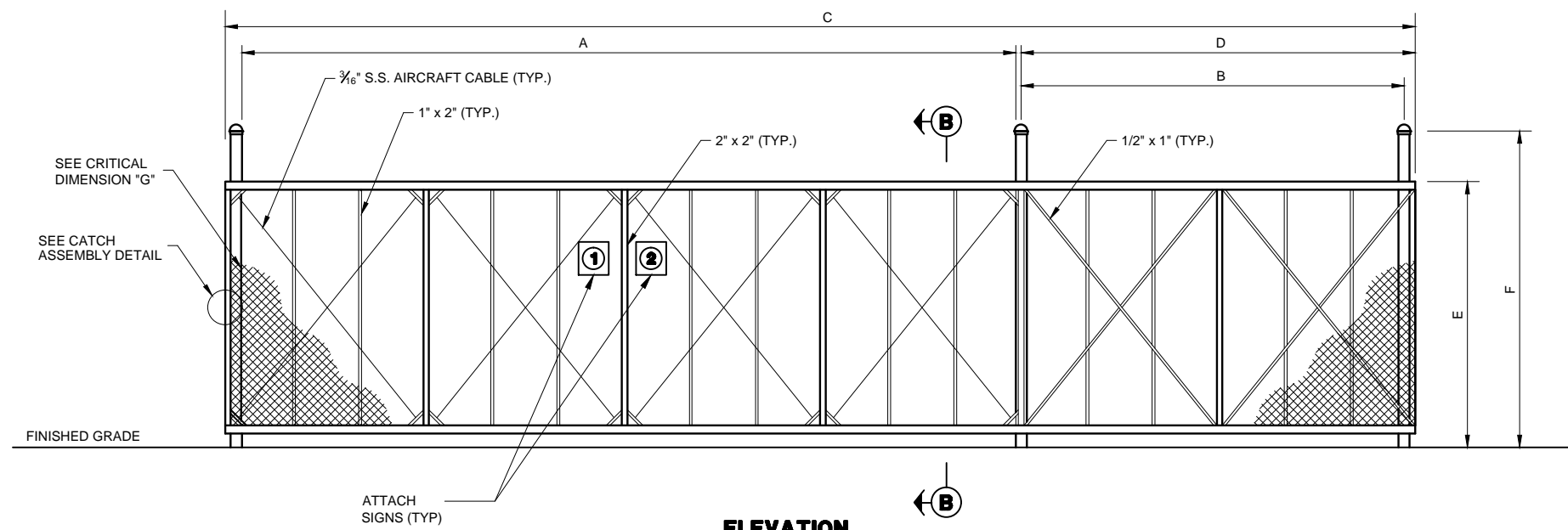
GATE HANGER ASSEMBLY
N.T.S.



STANDARD BOTTOM GUIDE ASSEMBLY
N.T.S.



GATE FRAME SECTION
N.T.S.



ELEVATION

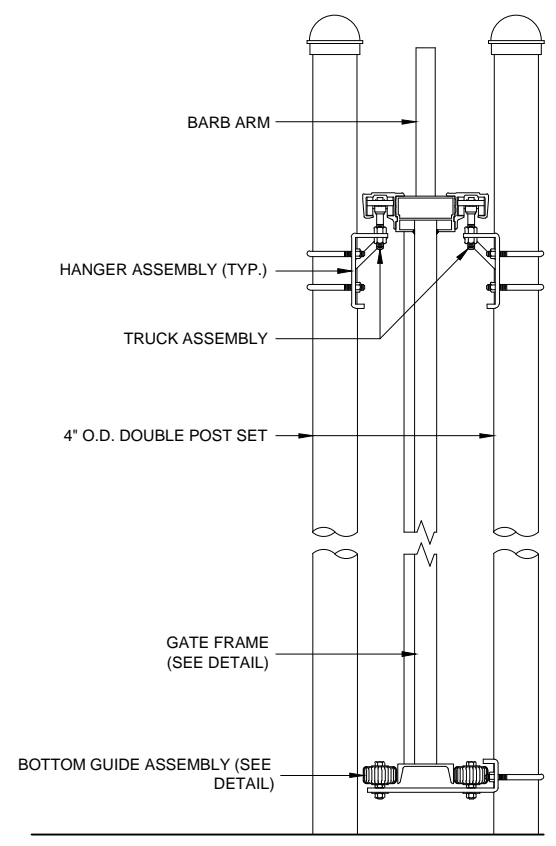
GATE NOTES:

- CANTILEVERED GATE SHALL BE SUFFICIENTLY RIGID TO WITHSTAND FLEXING OR BENDING DURING WINDY CONDITIONS. CONTRACTOR SHALL PROVIDE STIFFENERS, STRUCTURAL SHAPES IN EXCESS OF THE MINIMUM SPECIFIED DIMENSIONS OR ADDITIONAL ROLLERS AND POSTS SUFFICIENT TO PREVENT DISPLACEMENT OF THE GATE BY WIND OR BY UNAUTHORIZED PERSONNEL.
- CONTRACTOR SHALL PROVIDE AND INSTALL GATE AS A COMPLETE WORKING UNIT. THE GATE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO: GATE, POSTS, AND ALL CONNECTIONS, SIGNS, LABOR AND MATERIALS NECESSARY FOR COMPLETE OPERATION.
- THE FABRIC TYPE & FINISH OF THE GATE SHALL MATCH THE PROPOSED FENCE OR BE AS DIRECTED BY THE ENGINEER.
- ALL SLIDING GATES SHALL HAVE ALL ROLLERS ENCLOSED IN STEEL OR PLASTIC SHROUDS TO PREVENT ACCIDENTAL INJURY.
- 3 STRANDS OF BARBED WIRE ON TOP OF GATE NOT SHOWN TO IMPROVE CLARITY.
- SEE FENCING DETAILS SHEET 1 FOR SIGN DETAILS.

CRITICAL DIMENSIONS		
A	CLEAR OPENING	20'-0"
B	COUNTER BALANCE POST SPACING, CENTER TO CENTER	9'-1"
C	OVERALL GATE LENGTH	30'-0"
D	COUNTERBALANCE LENGTH	10'-0"
E	NOMINAL GATE HEIGHT	10'-0"
F	POST HEIGHT	11'-6"
G	FABRIC HEIGHT	9'-0"

LOCATIONS, DETAILS AND CHARACTER OF EQUIPMENT SHOWN ON THIS SHEET ARE GENERIC. EQUIPMENT LOCATIONS SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.

CANTILEVER SLIDE GATE
N.T.S.



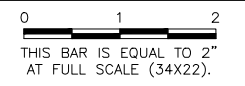
NOTE:
EXTRUSIONS SHALL BE OVERSIZED FOR EXTRA RIGIDITY OVER "STANDARD" GATE DESIGN.

SECTION B-B
(TYPICAL ALL GATES)

IL CONTRACT: **RO021**
IL LETTING ITEM: **20A**
IL PROJECT: **RFD-4184**
A.I.P. PROJECT: **3-17-0088-XX**

SURVEY BOOK # 11258-04-00

REVISIONS		
NUMBER	BY	DATE



GREATER ROCKFORD AIRPORT AUTHORITY
 CHICAGO ROCKFORD INTERNATIONAL AIRPORT
 ROCKFORD, IL

REPLACE PERIMETER FENCE, PHASE 1
 GATE DETAILS

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DESIGN BY: SMS
DRAWN BY: CMT
CHECKED BY: SMS
APPROVED BY: DLP
DATE: 04/20/2012
JOB No: 11285-04-00/06

FINAL