

# CONSTRUCTION PLANS FOR ABRAHAM LINCOLN CAPITAL AIRPORT

SPRINGFIELD AIRPORT AUTHORITY  
SPRINGFIELD, ILLINOIS

ILLINOIS PROJECT SPI - 3711  
A. I. P. PROJECT 3-17-0096-XX

WIDEN TAXIWAY F

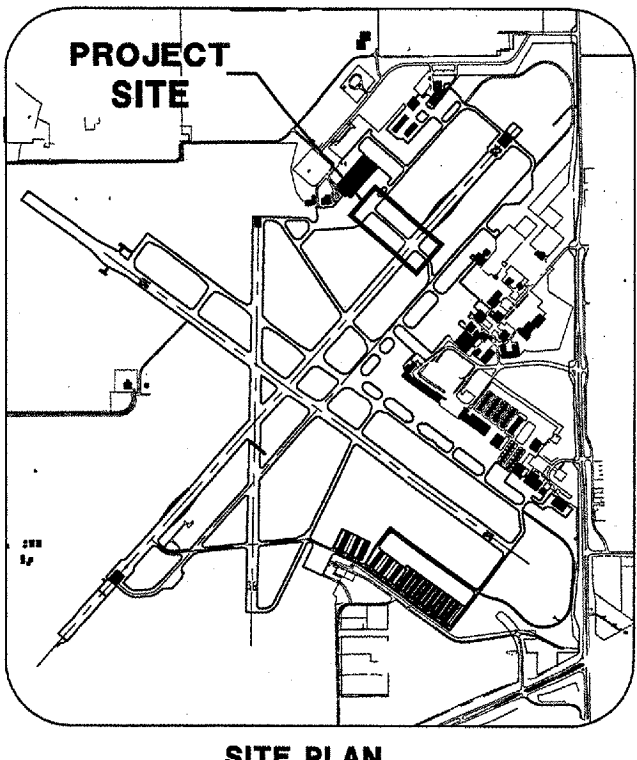
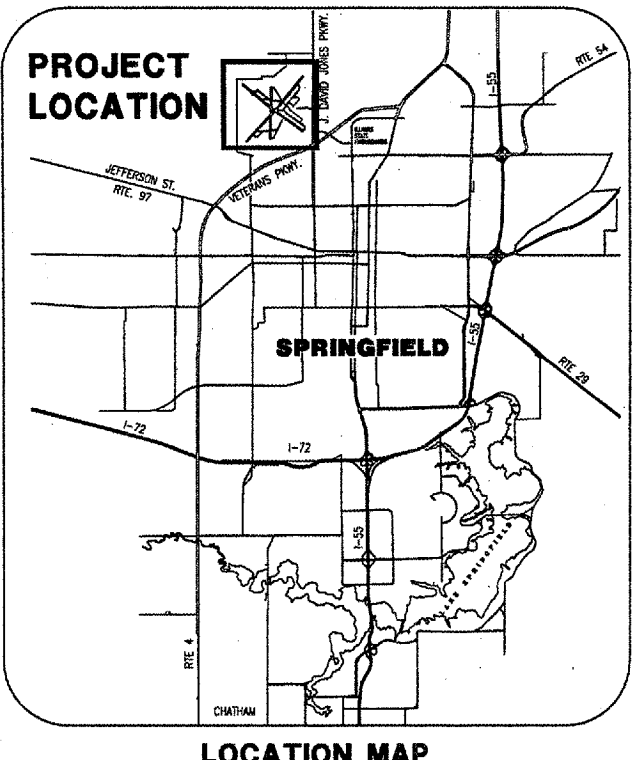
AUGUST 7, 2007

**811** Know what's below. Call before you dig.

J.U.L.I.E. JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS  
www.illinoiscall.com

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ACTUAL LOCATIONS OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF HIS OPERATIONAL PLANS, OBTAIN FROM 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 AND THE ONE-CALL NOTICE SYSTEM. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH UTILITY OR SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 811.



8/7/07

**RANDALL VOGEL**  
62-045048  
REGISTERED  
PROFESSIONAL  
ENGINEER  
OF  
ILLINOIS

*Randall Vogel*  
EXP. 11/30/07

**DESIGN INFORMATION**

**GEOMETRIC CRITERIA**  
AIRPLANE DESIGN GROUP IV  
AIRCRAFT APPROACH CATEGORY D

**PAVEMENT DESIGN CRITERIA**  
AIRCRAFT DUAL WHEEL GEAR  
DEPARTURE WEIGHT = 150,000 LBS.  
1006 EQUIV. ANNUAL DEPARTURES

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

TOWNSHIP: 16 NORTH  
RANGE: 5 WEST OF THE 4TH P.M.  
SECTION: 9  
COUNTY: SANGAMON  
CIVIL TOWNSHIP: CAPITAL

**SPRINGFIELD AIRPORT AUTHORITY**  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, ILLINOIS

APPROVED *Mark Estess*  
EXECUTIVE DIRECTOR OF AVIATION

DATE 8/7/07

**CMT**  
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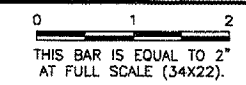
SUBMITTED BY *Randall Vogel*  
DATE 8/7/07


CMT JOB NUMBER 07035-02

SUMMARY OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
AR108158	1/C #8 5 KV UG CABLE IN UD	L.F.	6200
AR800300	SURFACE SENSOR EXTENSION CABLE	L.F.	375
AR110214	4" STEEL DUCT, DIRECT BURY	L.F.	75
AR110504	4-WAY CONCRETE ENCASED DUCT	L.F.	170
AR110901	CONCRETE DUCT REMOVAL	L.F.	55
AR800293	DUCT MARKER-IN PAVEMENT	EACH	5
AR125415	MTL-BASE MOUNTED	EACH	35
AR125442	TAXI GUIDANCE SIGN, 2 CHARACTER	EACH	2
AR125443	TAXI GUIDANCE SIGN, 3 CHARACTER	EACH	2
AR125444	TAXI GUIDANCE SIGN, 4 CHARACTER	EACH	1
AR125445	TAXI GUIDANCE SIGN, 5 CHARACTER	EACH	1
AR125525	HIRL INPAVEMENT	EACH	1
AR125565	SPLICE CAN	EACH	8
AR125902	REMOVE BASE MOUNTED LIGHT	EACH	25
AR125904	REMOVE TAXI GUIDANCE SIGN	EACH	6
AR125924	REPLACE TAXI GUIDANCE SIGN	EACH	7
AR800298	LIGHT GROUND ROD	EACH	51
AR800301	SEMIFLUSH HIRL IN TURF	EACH	1
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	2575
AR156520	INLET PROTECTION	EACH	3
AR209604	CRUSHED AGG. BASE COURSE - 4"	S.Y.	6115
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	135
AR401900	REMOVE BITUMINOUS PAVEMENT	S.Y.	670
AR501513	13" PCC PAVEMENT	S.Y.	6025
AR501530	PCC TEST BATCH	EACH	1
AR501665	PCC PAVEMENT SAWING	L.F.	1695
AR501900	REMOVE PCC PAVEMENT	S.Y.	865
AR605540	CLEAN & SEAL JOINTS	L.F.	2505
AR620510	PAVEMENT MARKING	S.F.	11100
AR620900	PAVEMENT MARKING REMOVAL	S.F.	1540
AR705524	4" PERFORATED UNDERDRAIN W/SOCK	L.F.	1400
AR705544	4" NON PERFORATED UNDERDRAIN	L.F.	250
AR705635	UNDERDRAIN COLLECTION STRUCTURE	EACH	2
AR705640	UNDERDRAIN CLEANOUT	EACH	4
AR705904	REMOVE UNDERDRAIN CLEANOUT	EACH	2
AR800348	PLUG UNDERDRAIN	EACH	2
AR901510	SEEDING	ACRE	3.1
AR904510	SODDING	S.Y.	1250
AR908510	MULCHING	ACRE	3.1
AR908520	EXCELSIOR BLANKET	S.Y.	600

INDEX TO SHEETS	
SHEET NUMBER	SHEET TITLE
01	COVER SHEET
02	INDEX TO SHEETS & SUMMARY OF QUANTITIES
03	AIRPORT SITE PLAN
04	CONSTRUCTION ACTIVITY PLAN 1
05	CONSTRUCTION ACTIVITY PLAN 2
06	CONSTRUCTION ACTIVITY PLAN DETAILS
07	EXISTING CONDITIONS & REMOVALS
08	PROPOSED IMPROVEMENTS 1
09	PROPOSED IMPROVEMENTS 2
10	TYPICAL SECTIONS 1
11	TYPICAL SECTIONS 2
12	TAXIWAY F PLAN & PROFILE
13	STAKING PLAN
14	JOINTING PLAN
15	JOINTING DETAILS
16	PAVING & MISCELLANEOUS DETAILS 1
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20	MARKING PLAN
21	MARKING DETAILS
22	LIGHTING PLAN 1
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26	ELECTRICAL DETAILS 3
27	AIRFIELD SIGNAGE DETAILS
28	INDEX TO CROSS SECTIONS AND TURFING PLAN
29	EROSION CONTROL DETAILS & EARTHWORK SUMMARY
30	CROSS SECTIONS 1 STA. 0+75 TO STA. 4+00
31	CROSS SECTIONS 2 STA 4+50 TO STA. 6+99.55

REVISIONS		
NUMBER	BY	DATE






**SPRINGFIELD AIRPORT AUTHORITY**  
**ABRAHAM LINCOLN CAPITAL AIRPORT**  
**SPRINGFIELD, ILLINOIS**

**WIDEN TAXIWAY F**

**INDEX TO SHEETS & SUMMARY OF QUANTITIES**



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DATE:	AUGUST 07, 2007
JOB No:	07035-02-00
IL PROJ. NO. SPI-3711 AIP PROJ. NO. 3-17-0096-XX	
SHEET 02 OF 31 SHEETS	

GROUND CONTROL FREQUENCY - 121.90  
 AIR CONTROL FREQUENCY - 124.30  
 MAXIMUM HEIGHT OF EQUIPMENT - 25'

GENERAL NOTES

CA004

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 PLOT DATE: 8/28/2007 1:51 PM  
 Capital\_Base  
 surveytopo  
 PROPROV  
 SPL\_LOGO

REVISIONS

NUMBER	BY	DATE

0 1 2  
 THIS BAR IS EQUAL TO 2"  
 AT FULL SCALE (34X22).



SPRINGFIELD AIRPORT AUTHORITY  
 ABRAHAM LINCOLN CAPITAL AIRPORT  
 SPRINGFIELD, ILLINOIS

WIDEN TAXIWAY F  
 AIRPORT SITE PLAN

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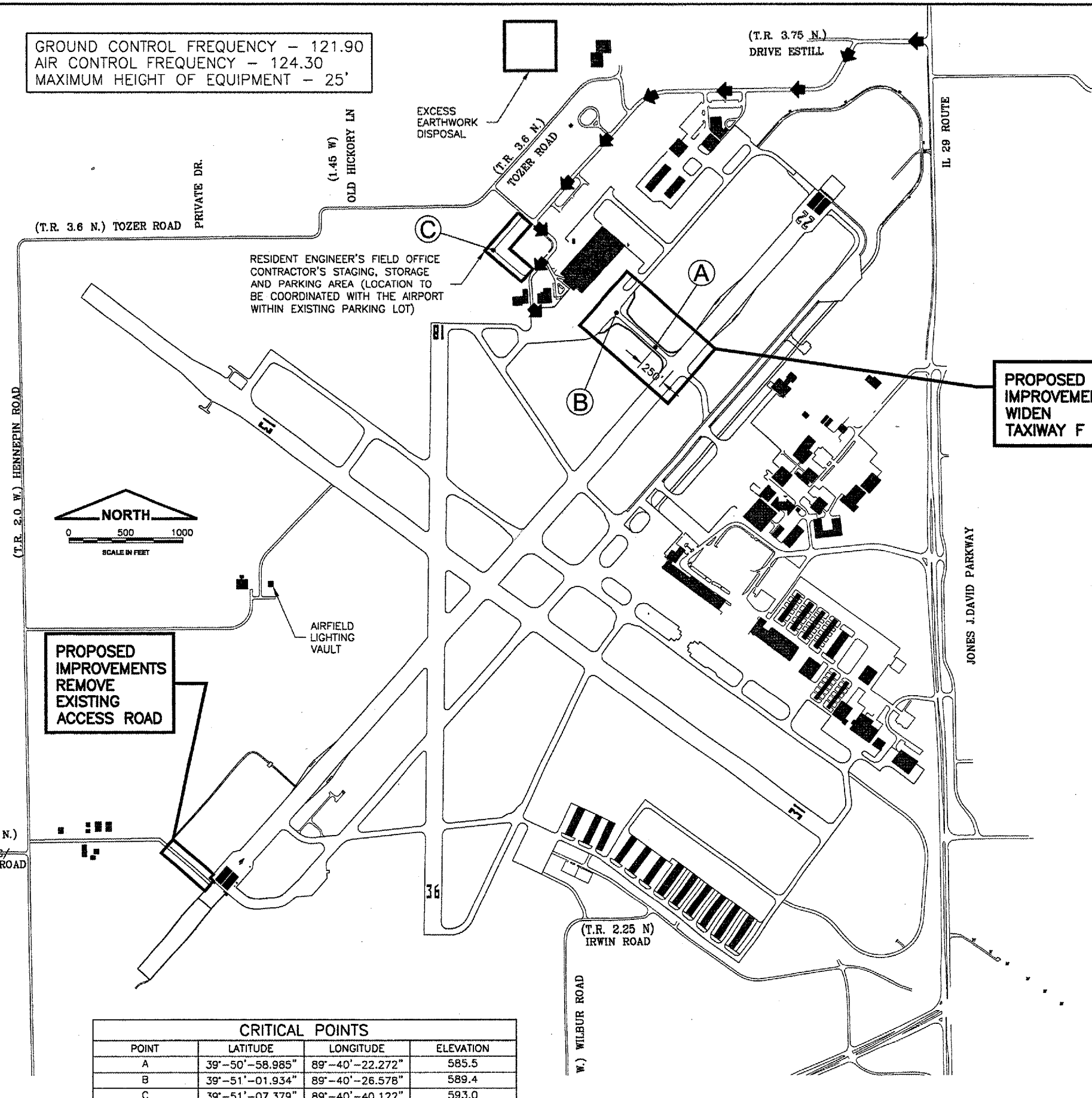
IL PROJ. NO. SPI-3711  
 AIP PROJ. NO. 3-17-0096-XX

SHEET 03 OF 31 SHEETS

- ALL RUNWAYS, TAXIWAYS, AND APRONS SHALL BE KEPT OPEN TO AIRPORT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED IN THE CONSTRUCTION ACTIVITY PLAN.
- ALL CONSTRUCTION TRAFFIC OPERATING ON OR CROSSING RUNWAYS, TAXIWAYS, AND APRONS OPEN TO AIRCRAFT TRAFFIC SHALL BE UNDER CONTROL OF A FLAGMAN IN RADIO CONTACT WITH FAA AIR TRAFFIC CONTROL TOWER PERSONNEL AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE HIS OWN RADIOS AND ONLY HIS PERSONNEL WHO HAVE SUCCESSFULLY COMPLETED THE APPROVED SAA/FAA SAFETY COURSE MAY OPERATE THESE RADIOS.
- WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT DIRECTOR.
- THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS AT THE LOCATIONS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN. THE MAXIMUM HEIGHT OF EQUIPMENT, MATERIALS AND STOCKPILES SHALL BE 25' ABOVE GROUND ELEVATION.
- BROKEN ASPHALT SHALL BE DISPOSED OF BY THE CONTRACTOR OFF OF AIRPORT PROPERTY UNLESS OTHERWISE DIRECTED BY THE AIRPORT.
- VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED WITHIN 95' FROM THE CENTERLINE OF ACTIVE TAXIWAYS OR 250' FROM THE CENTERLINE OF ACTIVE RUNWAYS.
- ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AND THE AIRPORT. NO ADDITIONAL COMPENSATION SHALL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- EXISTING TURF AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE ENGINEER AND THE AIRPORT.
- THE CONTRACTOR SHALL CONTINUOUSLY CLEAN CONSTRUCTION AREAS WHICH WILL BE OPENED TO AIR TRAFFIC.
- IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS SO AS TO AVOID ANY DAMAGE. ANY UTILITY, INCLUDING AIRFIELD ELECTRICAL CABLE AND LIGHTS, DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY HIM AT HIS OWN EXPENSE IN A MANNER WHICH IS SATISFACTORY TO THE ENGINEER AND TO THE OWNER OF THE UTILITY. ANY REPAIRS THAT MUST BE MADE BY THE OWNER OF THE UTILITY SHALL HAVE THE COST REIMBURSED TO THE UTILITY BY THE CONTRACTOR. AIRFIELD LIGHTING CABLES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY A QUALIFIED ELECTRICIAN WITH THE COSTS TO BE BORNE BY THE CONTRACTOR.
- CONTRACTOR'S ACCESS SHALL BE AS FOLLOWS:
  - THE CONTRACTOR'S ACCESS TO WORK SHALL BE AS SHOWN IN THE PLANS.
  - THE CONTRACTOR SHALL COMPLETE A SECURITY FORM FOR ALL PERSONNEL HE PROPOSES TO USE ON THE AIRPORT. THESE FORMS SHALL BE COMPLETED PRIOR TO THAT PERSON BEING ALLOWED ON THE AIRFIELD. A LIST OF PERSONNEL AUTHORIZED TO WORK ON THE AIRFIELD SHALL BE PROVIDED TO THE RESIDENT ENGINEER BY THE CONTRACTOR.
  - THE CONTRACTOR SHALL USE AN EXISTING GATE(S) FOR ACCESS TO THE AIRFIELD. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A HEAVY-DUTY PADLOCK ON THE ACCESS GATE. HE SHALL PROVIDE KEYS FOR HIS PADLOCK TO THE RESIDENT ENGINEER, S.A.A. MAINTENANCE SUPERVISOR, AND S.A.A. SECURITY CHIEF. NO ADDITIONAL KEYS ARE TO BE DISTRIBUTED UNLESS AUTHORIZED BY THE RESIDENT ENGINEER.
  - CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND TEMPORARY EASEMENTS FOR THE PUBLIC ACCESS ROAD(S) SHOWN AND SHALL COMPLY WITH ALL REQUIREMENTS, LOAD RESTRICTIONS, & TRAFFIC CONTROL SIGNAGE REQUIRED BY THE CITY, COUNTY, TOWNSHIP, OR I.D.O.T.
  - DURING ADVERSE WEATHER THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF THE CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK SITE.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE ACCESS GATE(S) CLOSED DURING WORK HOURS. THE CONTRACTOR SHALL POST A COMPETENT SECURITY GUARD TO CONTROL ACCESS AT THE GATE. THE CONTRACTOR SHALL REPLACE ANY UNSATISFACTORY SECURITY GUARDS AS DIRECTED.
  - THE CONTRACTOR SHALL CLOSE AND LOCK THE ACCESS GATE(S) UPON LEAVING THE SITE.
  - ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  - THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A WAY AS NOT TO VIOLATE AIRPORT PART 77 SURFACES, OR RUNWAY AND TAXIWAY SAFETY AREAS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ACTIVE AIRFIELD PAVEMENTS WHICH ARE CROSSED BY HIS VEHICLES ACCESSING
- EXCESS EARTHWORK DISPOSAL SHALL BE AS FOLLOWS:
  - EXCESS EARTHWORK SHALL BE DISPOSED AT THE LOCATION SHOWN, AS DIRECTED BY THE AIRPORT.
  - EXCESS EARTHWORK SHALL BE NEATLY STOCKPILED IN MULTIPLE LAYERS TO MINIMIZE AREA USED.

PROPOSED IMPROVEMENTS  
 WIDEN TAXIWAY F

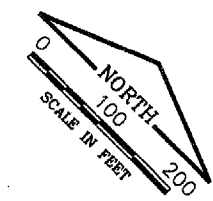
PROPOSED IMPROVEMENTS  
 REMOVE EXISTING ACCESS ROAD



CRITICAL POINTS			
POINT	LATITUDE	LONGITUDE	ELEVATION
A	39°-50'-58.985"	89°-40'-22.272"	585.5
B	39°-51'-01.934"	89°-40'-26.578"	589.4
C	39°-51'-07.379"	89°-40'-40.122"	593.0

LEGEND

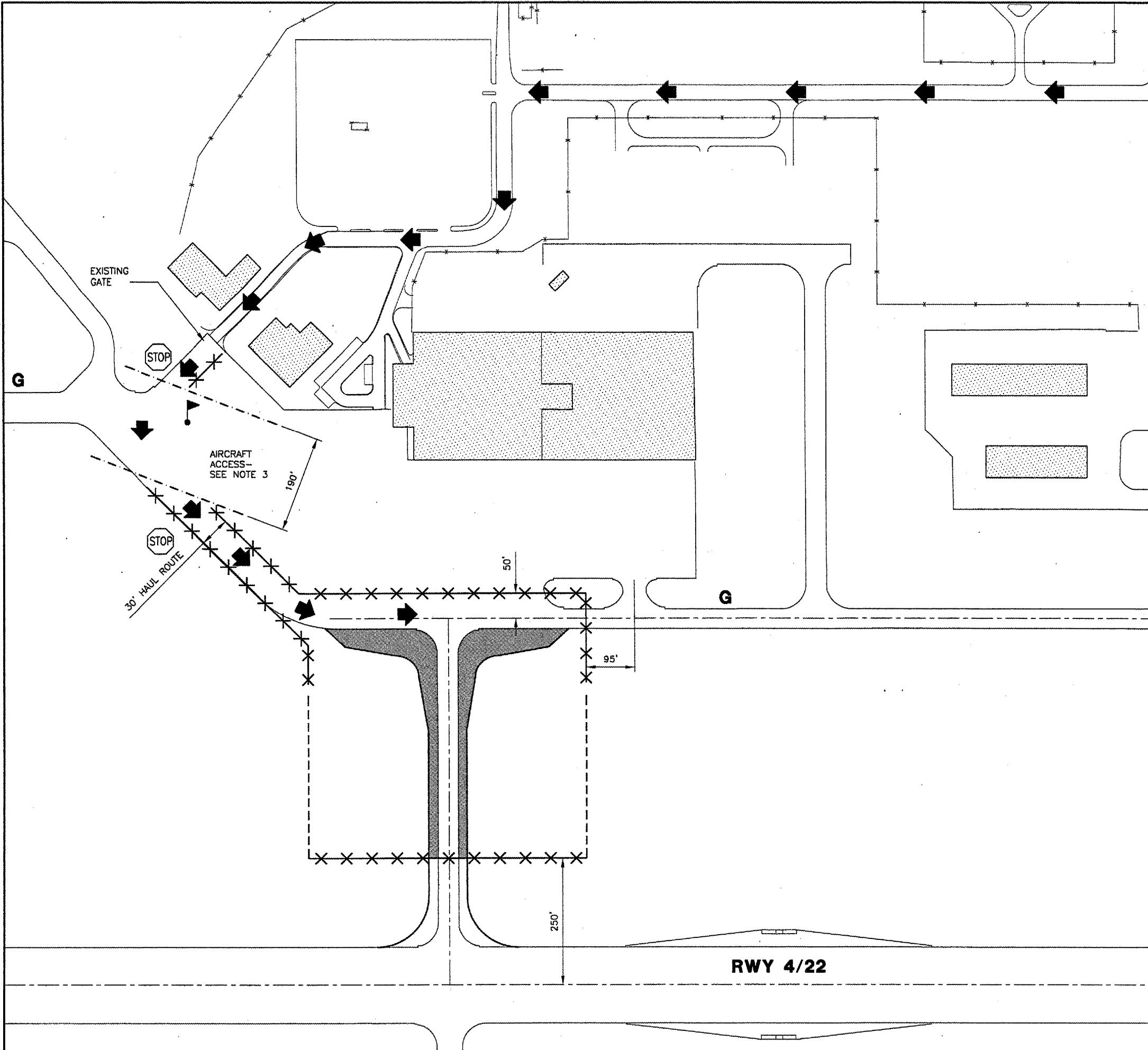
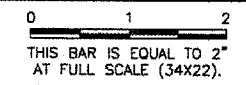
← CONTRACTOR'S ACCESS ROUTE



REVISIONS		
NUMBER	BY	DATE

**CONSTRUCTION ACTIVITY PLAN NOTES  
 PHASE 1**

1. THE CONTRACTOR SHALL PLACE ALL BARRICADES AS SHOWN PRIOR TO STARTING WORK ON THIS PHASE.
2. THE AIRPORT WILL REQUIRE 3 CALENDAR DAYS NOTICE FROM THE CONTRACTOR PRIOR TO INITIATING THIS PHASE TO COORDINATE WITH THE TENANTS.
3. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN THIS AREA FOR AIRCRAFT ACCESS.
4. THE CONTRACTOR SHALL REMOVE HAUL ROUTE BARRICADES AND CLEAN PAVEMENT AT THE END OF EACH WORK DAY.



**LEGEND**

	WORK AREA
	CONSTRUCTION SETBACK LINE
	BARRICADES IDOT TYPE 1 WITH FLASHING RED LIGHTS & 20"x20" ORANGE FLAGS @ 20' SPACING
	CONTRACTOR ACCESS ROUTE
	CONTRACTOR'S FLAGMAN IN CONTACT WITH THE AIR TRAFFIC CONTROL TOWER CONTROLLING HAUL TRAFFIC MOVEMENT
	STOP SIGN MOUNTED ON BARRICADE
	LIMITS OF AREA TO BE PROVIDED FOR AIRCRAFT ACCESS



**SPRINGFIELD AIRPORT AUTHORITY  
 ABRAHAM LINCOLN CAPITAL AIRPORT  
 SPRINGFIELD, ILLINOIS**

**WIDEN TAXIWAY F  
 CONSTRUCTION ACTIVITY PLAN 1**

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APPROVED BY:	<i>RLV</i>
DATE:	AUGUST 07, 2007
JOB No:	07035-02-00

GROUND CONTROL FREQUENCY - 121.90  
 AIR CONTROL FREQUENCY - 124.30  
 MAXIMUM HEIGHT OF EQUIPMENT - 25'

CA004

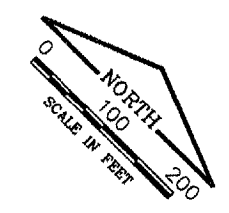
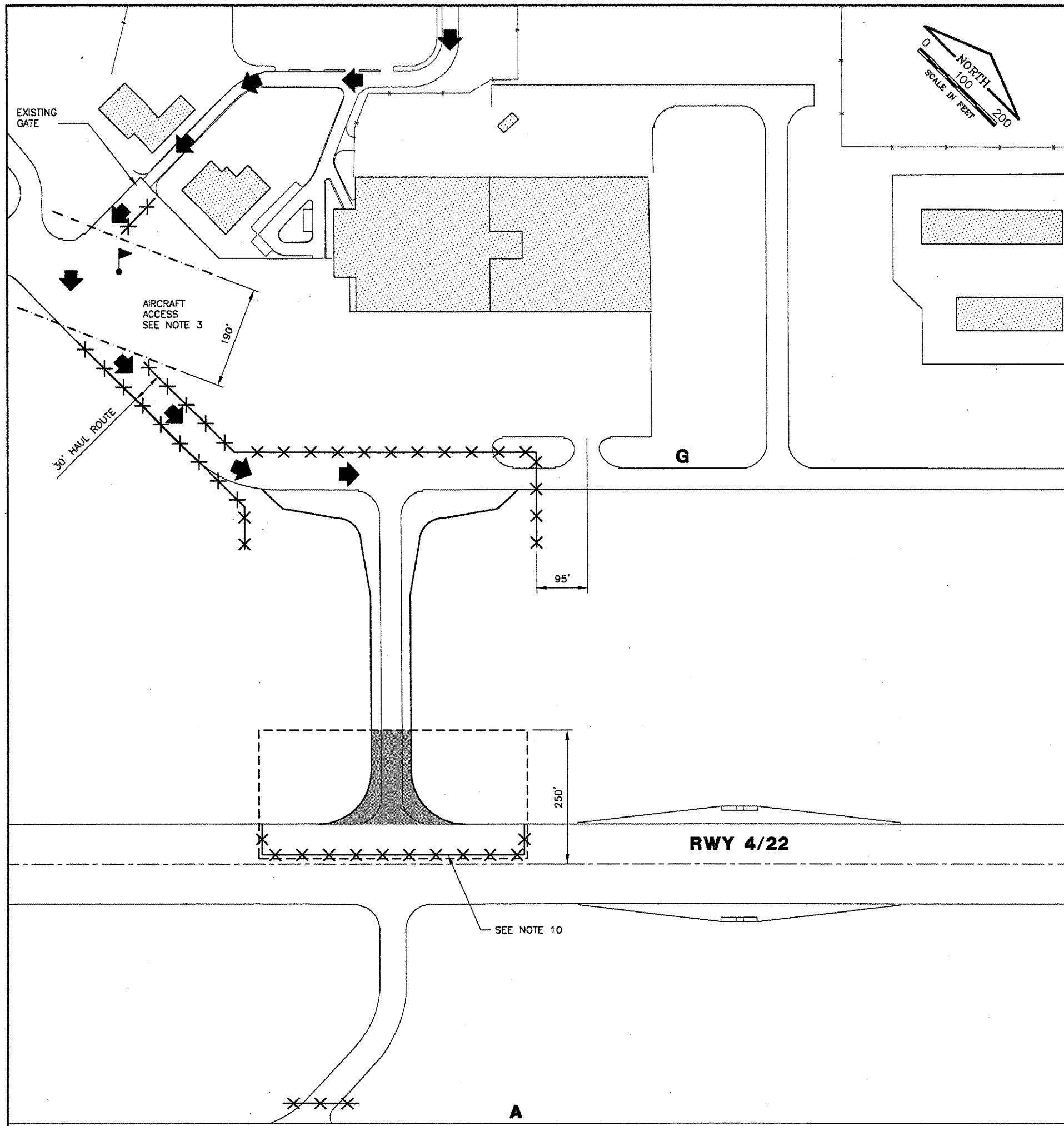
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UPDATE BY: Dave Allen  
PLOT DATE: 8/3/2007 1:25 PM  
Capital\_Base  
SPL\_LOGO  
BASE\_PROPGEO

CONSTRUCTION ACTIVITY PLAN NOTES PHASE 2

1. THE CONTRACTOR SHALL PLACE ALL BARRICADES AS SHOWN PRIOR TO STARTING WORK ON THIS PHASE.
2. THE AIRPORT WILL REQUIRE A 7 CALENDAR DAY NOTICE FROM THE CONTRACTOR PRIOR TO INITIATING THIS PHASE TO COORDINATE WITH THE TENANTS.
3. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN THIS AREA FOR AIRCRAFT ACCESS.
4. THE CONTRACTOR SHALL REMOVE HAUL ROUTE BARRICADES AND CLEAN PAVEMENT AT THE END OF EACH WORKING DAY.
5. THE IMPACTS OF THIS PHASE MERIT ADDITIONAL CONSIDERATION FROM THE CONTRACTOR WHEN SCHEDULING THE WORK IN PHASE 2 OF THE PROJECT. AS A RESULT, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE SUFFICIENT PERSONNEL AND EQUIPMENT AND WORK SUFFICIENT HOURS TO COMPLETE THE PHASE 2 WORK WITHIN THE FOLLOWING PARAMETERS:
  - THE CONTRACTOR WILL BE ALLOWED TO CLOSE RUNWAY 4/22 FOR 14 CONSECUTIVE CALENDAR DAYS TO COMPLETE ALL WORK WITHIN THE PHASE 2 WORK AREA.
6. THE CONTRACTOR SHALL COORDINATE CLOSELY WITH THE AIRPORT TO SCHEDULE THE ABOVE REFERENCED CLOSURE. ITEMS SUCH AS THE EXTENDED WEATHER FORECAST, MATERIAL AVAILABILITY, EQUIPMENT DEPENDABILITY, & MANPOWER AVAILABILITY SHALL BE DISCUSSED PRIOR TO SCHEDULING THE CRITICAL CLOSURE. THE AIRPORT AND THE CONTRACTOR SHALL MUTUALLY AGREE ON THE ACTUAL DAYS FOR THE CLOSURE.
7. CONTRACTOR ACCESS SHALL BE AS SHOWN IN PHASE 1.
8. THE CONTRACTOR MAY WORK IN THE PHASE 1 WORK AREA PROVIDED THAT IT DOES NOT IMPACT THE PROGRESS OF THE PHASE 2 WORK.
9. THE REMOVAL OF THE EXISTING ACCESS AT THE RUNWAY 4 THRESHOLD AND THE GUIDANCE SIGN REPLACEMENT SHALL TAKE PLACE DURING THIS PHASE.
10. THESE BARRICADES SHALL BE MOVED TO THE RUNWAY EDGE AT THE END OF EACH WORKING DAY.

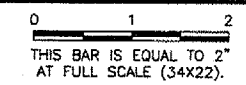
LEGEND

- WORK AREA
- CONSTRUCTION SETBACK LINE
- BARRICADES IDOT TYPE 1 WITH FLASHING RED LIGHTS & 20"x20" ORANGE FLAGS @ 20' SPACING
- CONTRACTOR ACCESS ROUTE
- CLOSED RUNWAY MARKERS REQUIRED AT BOTH ENDS
- CONTRACTOR'S FLAGMAN



REVISIONS

NUMBER	BY	DATE



**SPRINGFIELD AIRPORT AUTHORITY**  
**ABRAHAM LINCOLN CAPITAL AIRPORT**  
**SPRINGFIELD, ILLINOIS**

**WIDEN TAXIWAY F**  
**CONSTRUCTION ACTIVITY PLAN 2**

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DATE:	AUGUST 07, 2007
JOB No:	07035-02-00
IL PROJ. NO.	SPI-3711
AIP PROJ. NO.	3-17-0096-XX
SHEET 05 OF 31 SHEETS	

GROUND CONTROL FREQUENCY - 121.90  
 AIR CONTROL FREQUENCY - 124.30  
 MAXIMUM HEIGHT OF EQUIPMENT - 25'

REVISIONS

NUMBER	BY	DATE

0 1 2  
 THIS BAR IS EQUAL TO 2"  
 AT FULL SCALE (34X22).



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 ABRAHAM LINCOLN CAPITAL AIRPORT  
 SPRINGFIELD, ILLINOIS

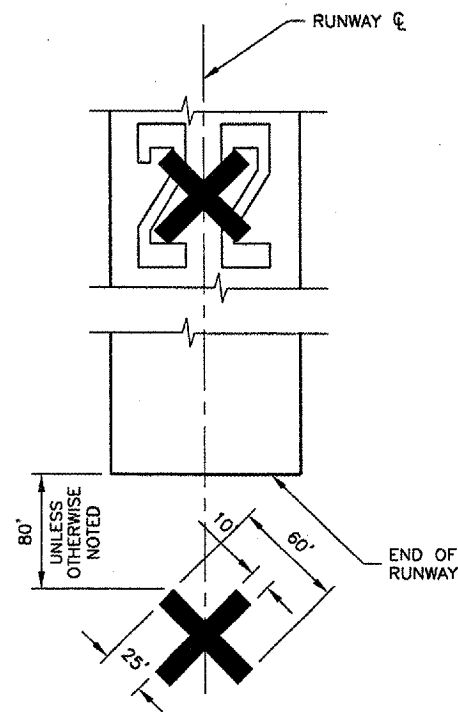
WIDEN TAXIWAY F

CONSTRUCTION ACTIVITY PLAN DETAILS

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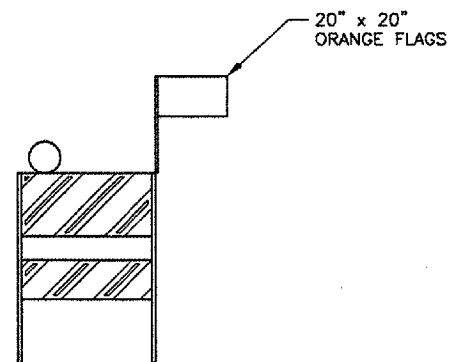
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DATE:	AUGUST 07, 2007
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IL PROJ. NO.	SPI-3711
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SHEET	06 OF 31 SHEETS



**PORTABLE CLOSED RUNWAY  
 MARKER DETAIL AND NOTES**  
 N.T.S.

NOTES

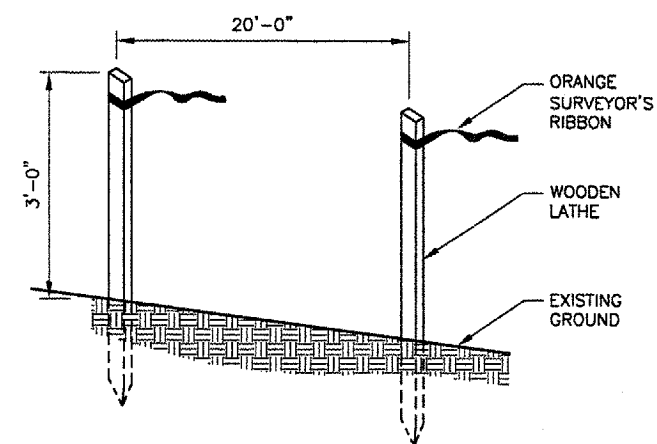
1. THE AIRPORT WILL PROVIDE PORTABLE LIGHTED CLOSURE MARKERS FOR THE CONTRACTOR'S USE.
2. THE CONTRACTOR WILL BE REQUIRED TO TOW AND SET UP THE MARKERS AT THE ENDS OF THE RUNWAY WHENEVER RUNWAY CLOSURES ARE REQUIRED
3. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE REPLACEMENT BULBS, FUEL AND DAILY/PERIODIC MAINTENANCE INSPECTIONS AS REQUIRED BY THE AIRPORT.
4. THE AIRPORT WILL PERFORM PERIODIC MAINTENANCE, PROVIDE REPLACEMENT PARTS AND PERFORM REPAIRS AS REQUIRED TO KEEP THE EQUIPMENT OPERATIONAL.
5. THE COST OF SET-UP, FUELING AND REMOVAL OF THE MARKERS SHALL BE INCIDENTAL TO THE CONTRACT.
6. MARKERS SHALL BE PLACED OVER EXISTING RUNWAY NUMERALS. HOWEVER, WHEN WORK IS NECESSARY FOR THAT AREA OR PAVEMENT IS OPEN TO TAXIING AIRCRAFT, THE MARKERS SHALL BE RELOCATED OFF THE PAVEMENT AS SHOWN ON THE DETAIL.



**FLASHER BARRICADE DETAIL**  
 N.T.S.

FLASHER BARRICADE NOTES

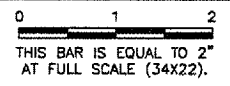
1. FLASHERS TO BE BATTERY OPERATED. LENS TO BE RED AND BE ABLE TO ROTATE 90 DEGREES.
2. SANDBAGS TO BE PLACED ON EACH SUPPORT BRACE AS REQUIRED TO PREVENT DISPLACEMENT BY WIND, JET OR PROP BLAST.
3. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
4. PLACE AT 20' INTERVALS.



**CONSTRUCTION SETBACK LINE DETAIL**  
 N.T.S.



REVISIONS		
NUMBER	BY	DATE

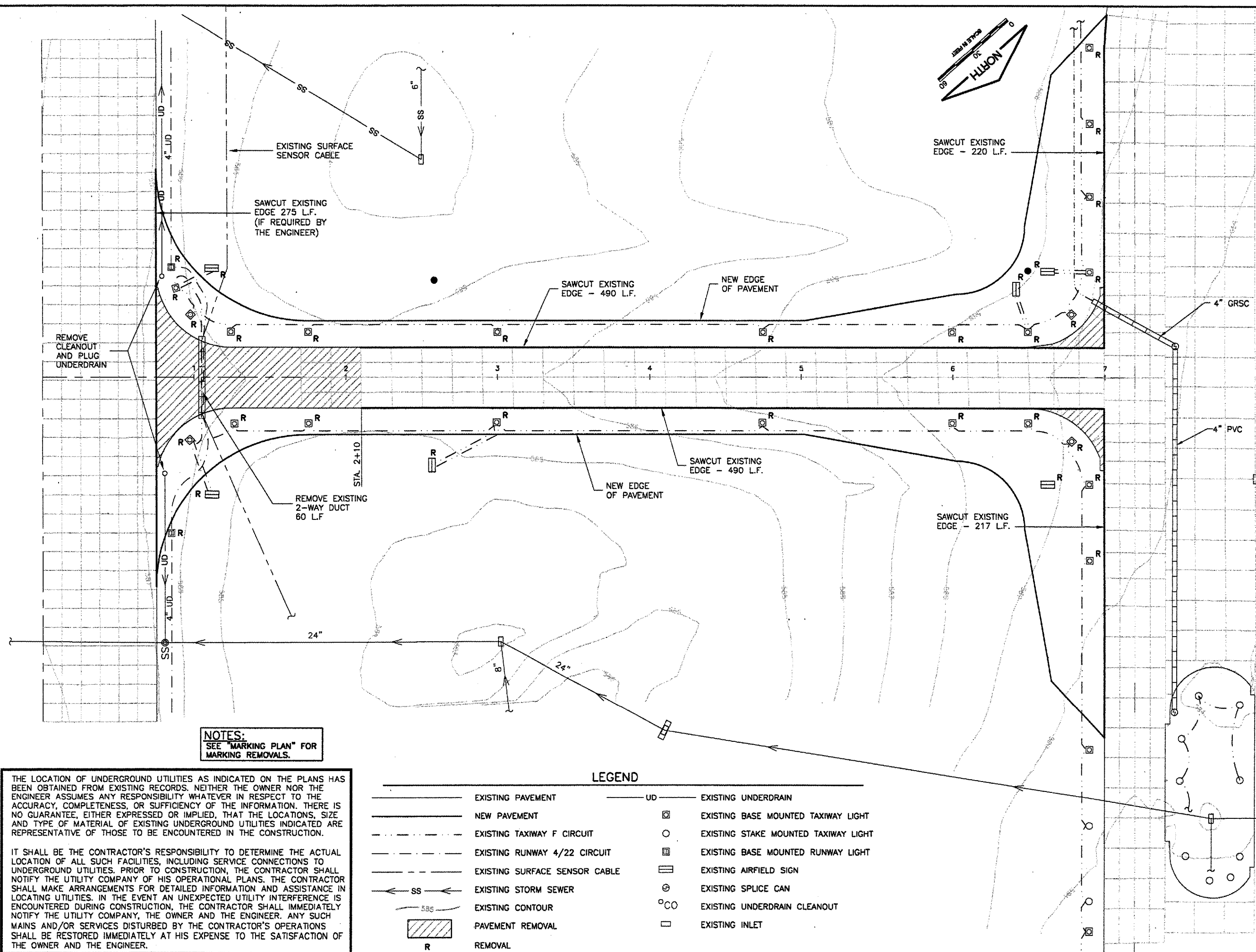


**SPRINGFIELD AIRPORT AUTHORITY**  
**ABRAHAM LINCOLN CAPITAL AIRPORT**  
**SPRINGFIELD, ILLINOIS**

**WIDEN TAXIWAY F**  
**EXISTING CONDITIONS & REMOVALS**

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 DRAWN BY: DPA  
 CHECKED BY: *RLV*  
 APPROVED BY: *RLV*  
 DATE: AUGUST 07, 2007  
 JOB No: 07035-02-00  
 IL PROJ. NO. SPL-3711  
 AIP PROJ. NO. 3-17-0096-XX



**NOTES:**  
 SEE "MARKING PLAN" FOR  
 MARKING REMOVALS.

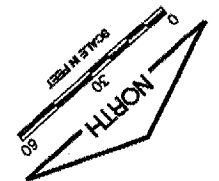
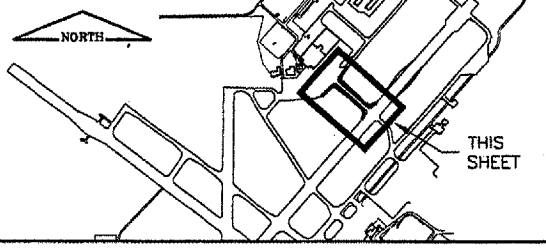
THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND ASSISTANCE IN LOCATING UTILITIES. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, THE OWNER AND THE ENGINEER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE OWNER AND THE ENGINEER.

**LEGEND**

- |        |                               |        |                                      |
|--------|-------------------------------|--------|--------------------------------------|
| —      | EXISTING PAVEMENT             | — UD — | EXISTING UNDERDRAIN                  |
| —      | NEW PAVEMENT                  | □      | EXISTING BASE MOUNTED TAXIWAY LIGHT  |
| - - -  | EXISTING TAXIWAY F CIRCUIT    | ○      | EXISTING STAKE MOUNTED TAXIWAY LIGHT |
| - - -  | EXISTING RUNWAY 4/22 CIRCUIT  | □      | EXISTING BASE MOUNTED RUNWAY LIGHT   |
| - - -  | EXISTING SURFACE SENSOR CABLE | ▭      | EXISTING AIRFIELD SIGN               |
| ← SS ← | EXISTING STORM SEWER          | ⊙      | EXISTING SPLICE CAN                  |
| SSS    | EXISTING CONTOUR              | ○ CO   | EXISTING UNDERDRAIN CLEANOUT         |
| ▨      | PAVEMENT REMOVAL              | □      | EXISTING INLET                       |
| R      | REMOVAL                       |        |                                      |

**KEYMAP**



**LEGEND**

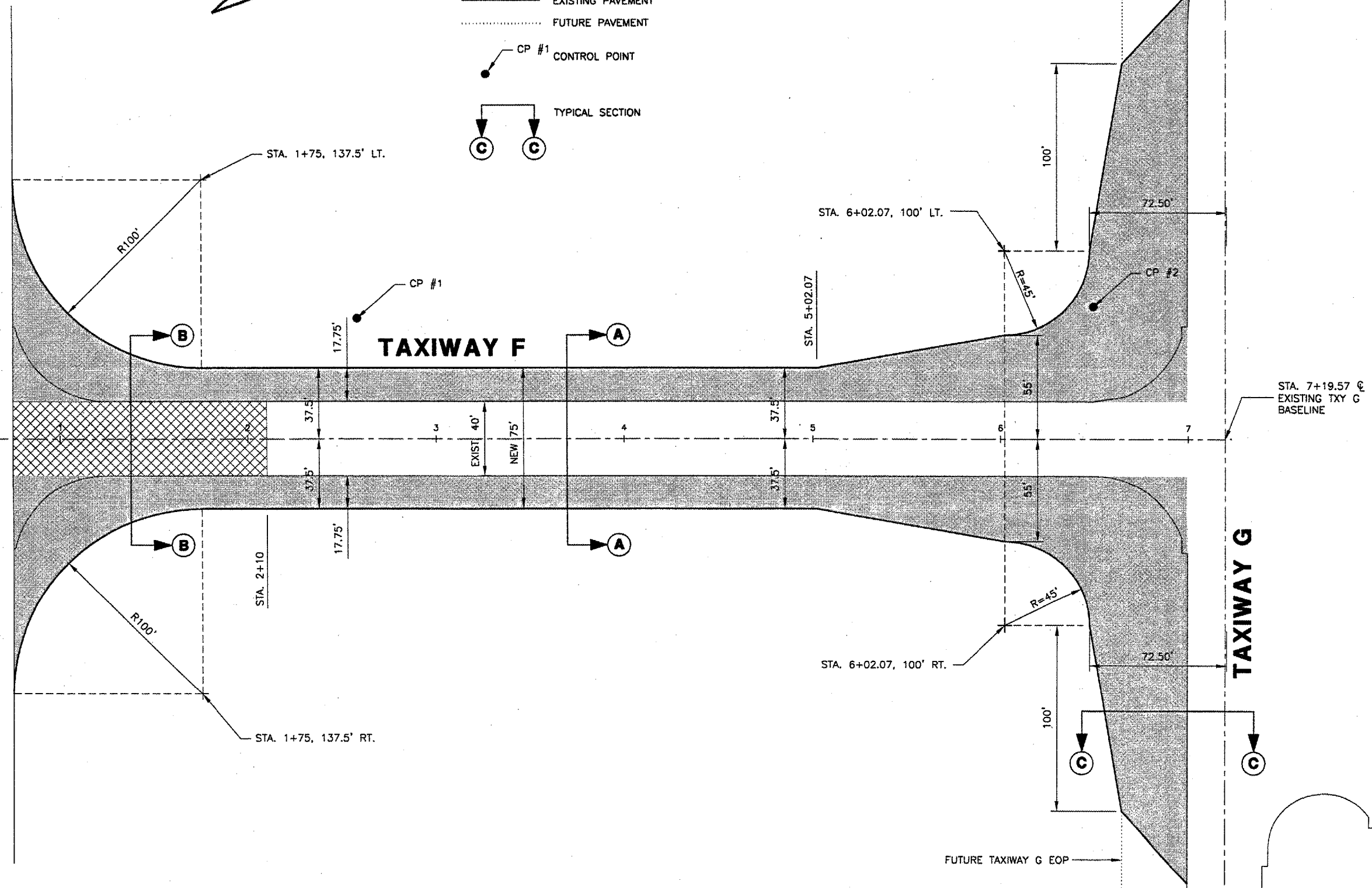
- NEW 13" PCC PAVEMENT (501)  
4" CRUSHED AGGREGATE BASE COURSE (209)
- NEW 13" PCC PAVEMENT (501) 4" AND VARIABLE DEPTH  
CRUSHED AGGREGATE BASE COURSE (209)
- NEW PAVEMENT
- EXISTING PAVEMENT
- FUTURE PAVEMENT
- CP #1 CONTROL POINT
- TYPICAL SECTION

**CA004**  
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 FILE: PROPIMP01.dwg  
 UPDATE BY: Dave Allen  
 PLOT DATE: 8/3/2007 1:25 PM  
 KEY  
 SPL\_LOGO  
 BASE\_PROPGED  
 BASE\_EXISTSTOPO

REVISIONS		
NUMBER	BY	DATE

0 1 2  
 THIS BAR IS EQUAL TO 2'  
 AT FULL SCALE (34X22).

**RUNWAY 4/22**



STA. 0+00,  
 CENTERLINE =  
 RUNWAY 4/22  
 CENTERLINE

STA. 7+19.57  
 EXISTING TXY G  
 BASELINE

CONTROL POINTS						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	TYPE
CP #1	STA. 2+58.17	64.0' LT.	1159466.64	2435178.30	584.81	IRON PIN
CP #2	STA. 6+49.20	70.4' LT.	1159719.97	2434880.36	587.80	IRON PIN



**SPRINGFIELD AIRPORT AUTHORITY**  
**ABRAHAM LINCOLN CAPITAL AIRPORT**  
**SPRINGFIELD, ILLINOIS**

**WIDEN TAXIWAY F  
 PROPOSED IMPROVEMENTS 1**

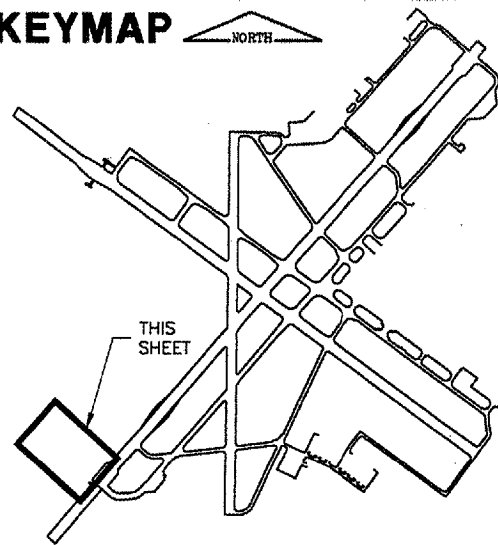
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IL PROJ. NO. SPI-3711  
 AIP PROJ. NO. 3-17-0096-XX

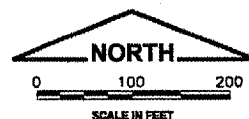


**KEYMAP**



**NOTES:**

1. THIS WORK SHALL TAKE PLACE DURING THE SCHEDULED RUNWAY CLOSURE AS SHOWN IN THE CONSTRUCTION ACTIVITY PLAN.
2. THE CONTRACTOR MAY PLACE CLEAN BITUMINOUS MILLINGS ON THE EXISTING FAA ACCESS ROAD. MILLINGS SHALL BE EVENLY DISTRIBUTED, GRADED, & COMPACTED TO THE SATISFACTION OF THE ENGINEER.
3. ALL OTHER MATERIAL SHALL BE DISPOSED OF OFFSITE.

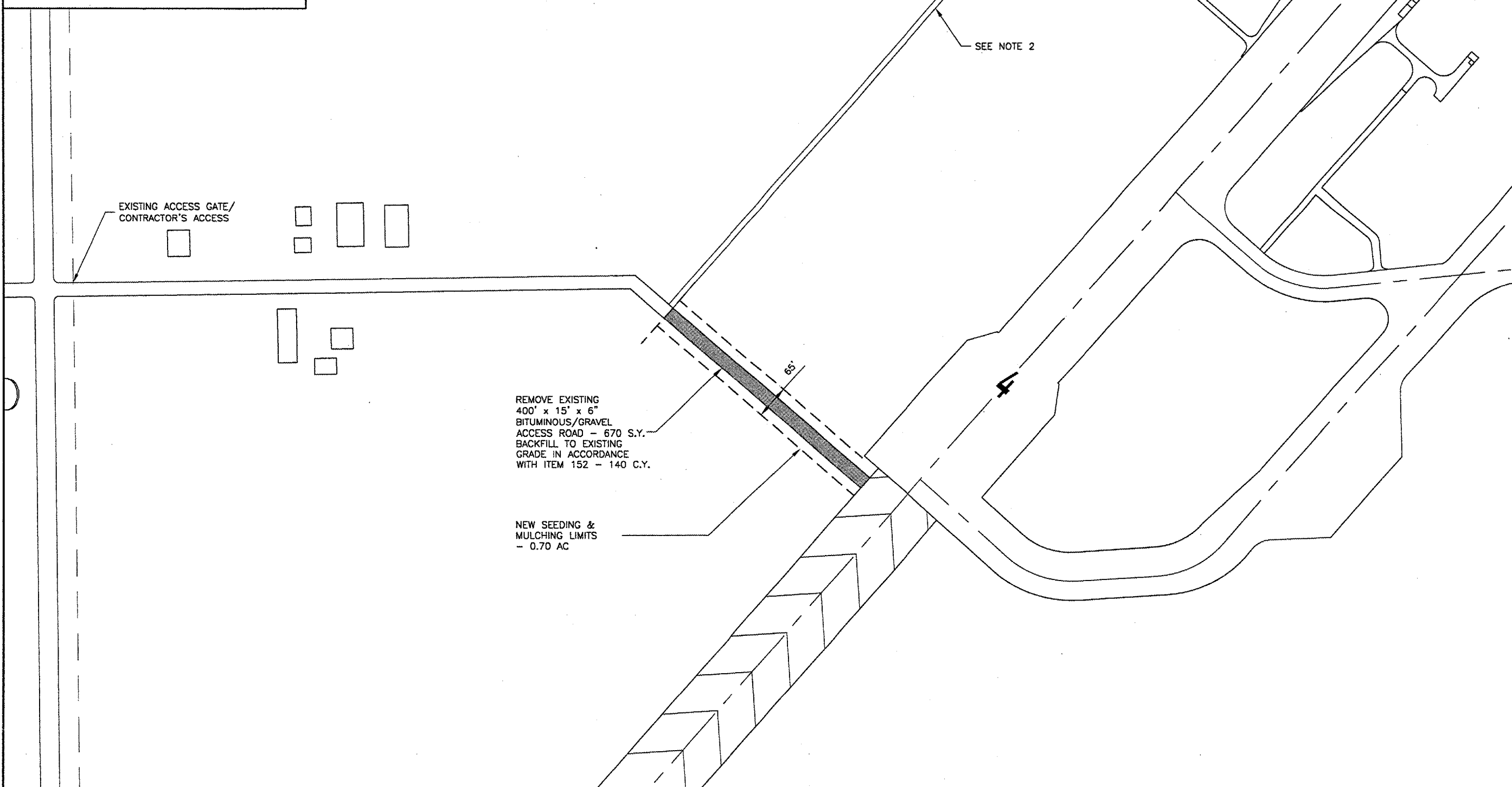
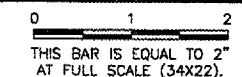


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 SPI-BASE  
 KEYMAP  
 SPI\_LOGO

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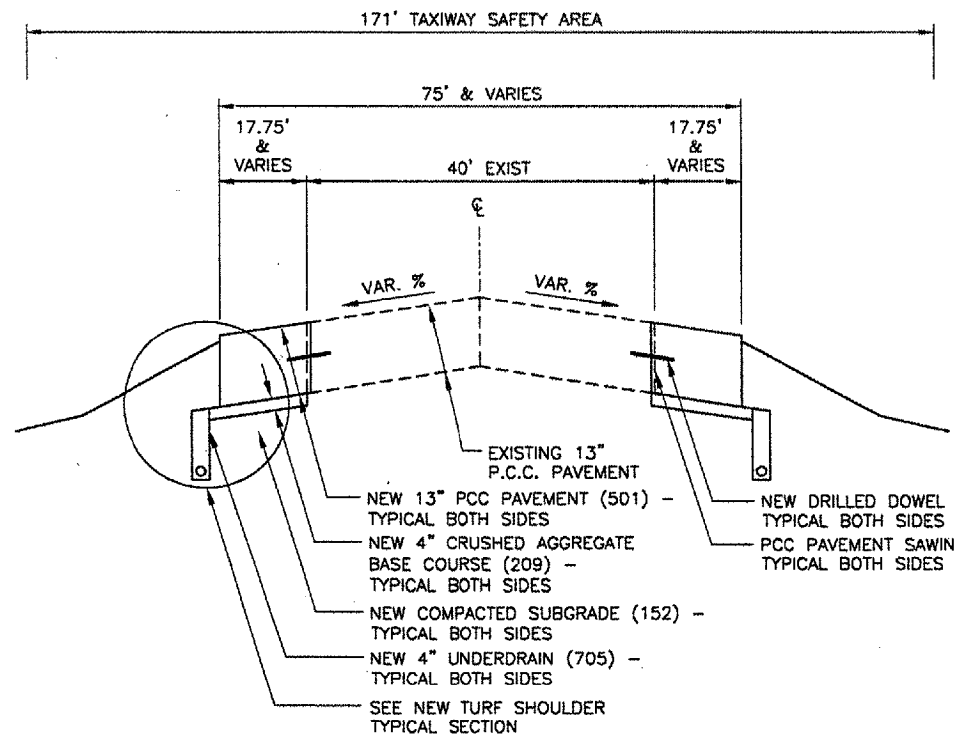
**WIDEN TAXIWAY F**

**PROPOSED IMPROVEMENTS 2**

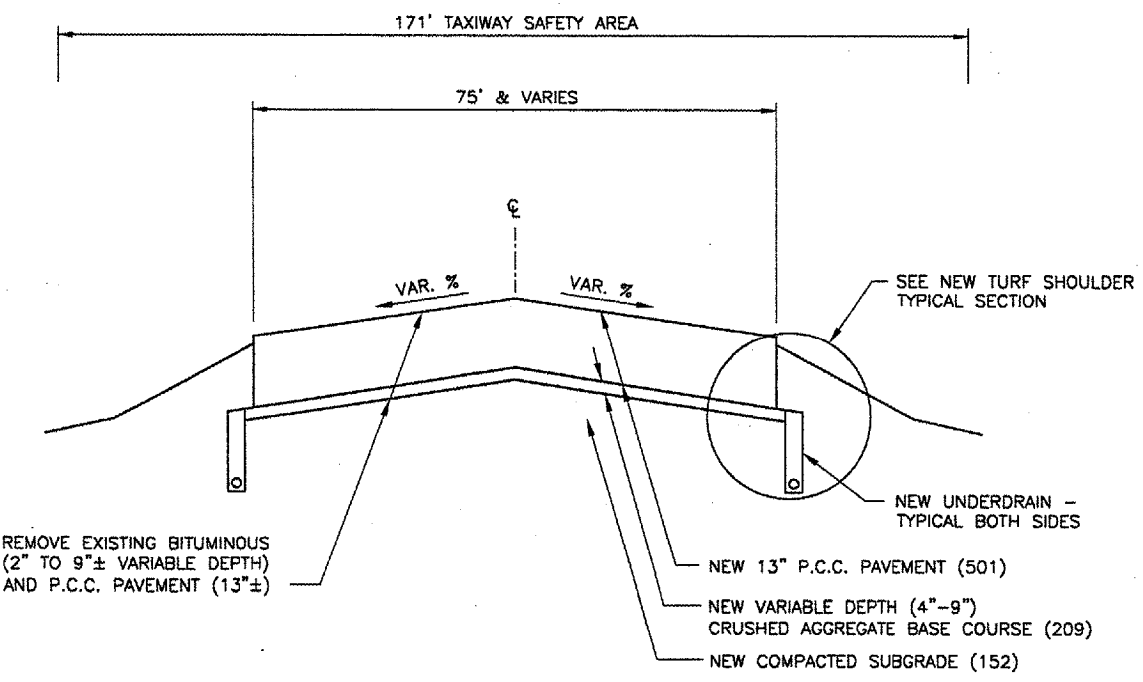
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 JOB No: 07035-02-00

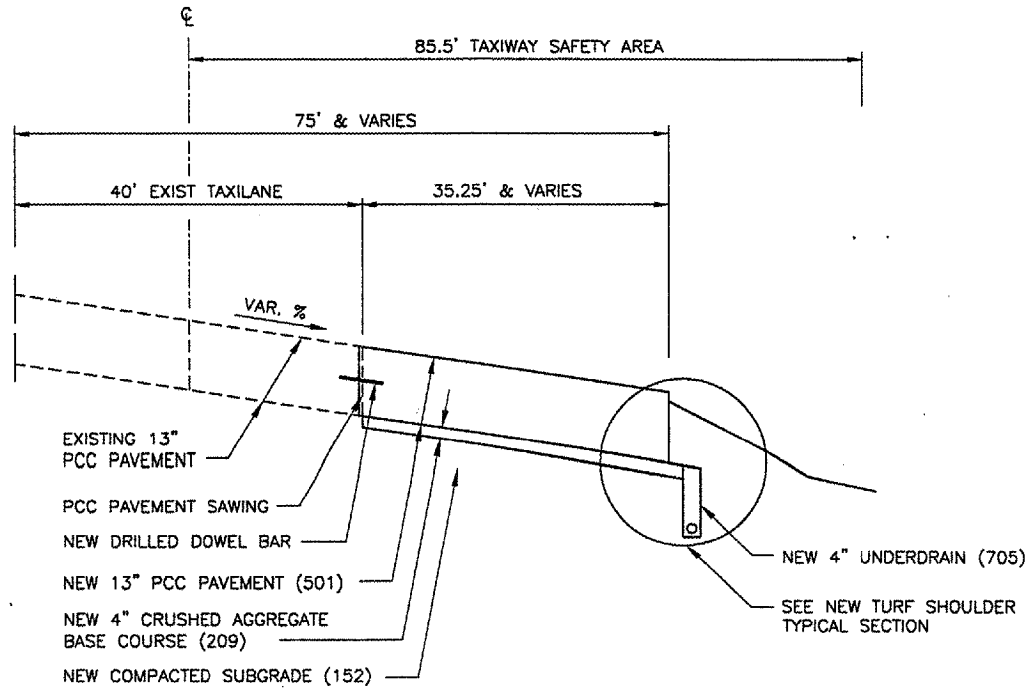
IL PROJ. NO. SPI-3711  
 AIP PROJ. NO. 3-17-0096-XX



**A** CONNECTING TAXIWAY F WIDENING **A**  
 N.T.S.

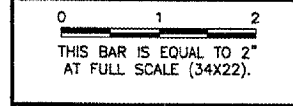


**B** CONNECTING TAXIWAY F REPLACEMENT & WIDENING **B**  
 N.T.S.



**C** PARALLEL TAXIWAY G WIDENING **C**  
 N.T.S.

REVISIONS		
NUMBER	BY	DATE

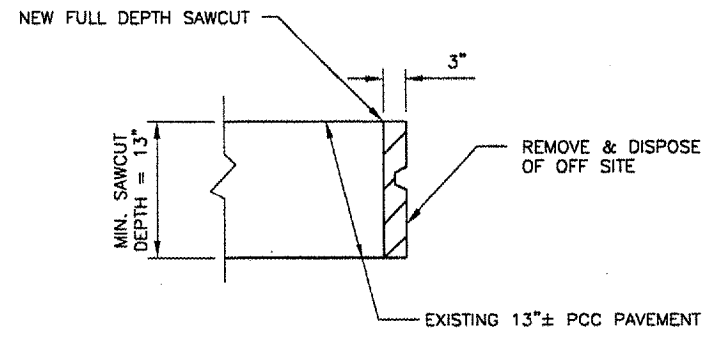


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**SPRINGFIELD, ILLINOIS**

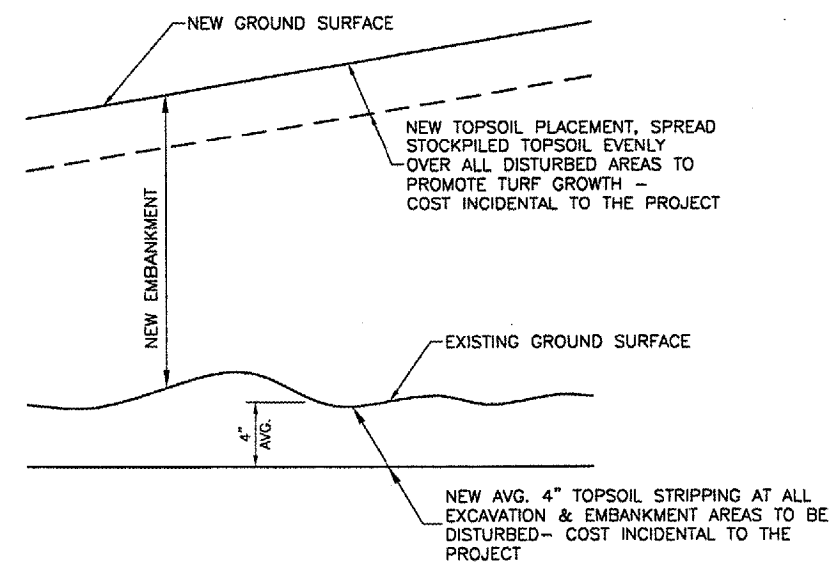
**WIDEN TAXIWAY F**  
**TYPICAL SECTIONS 1**

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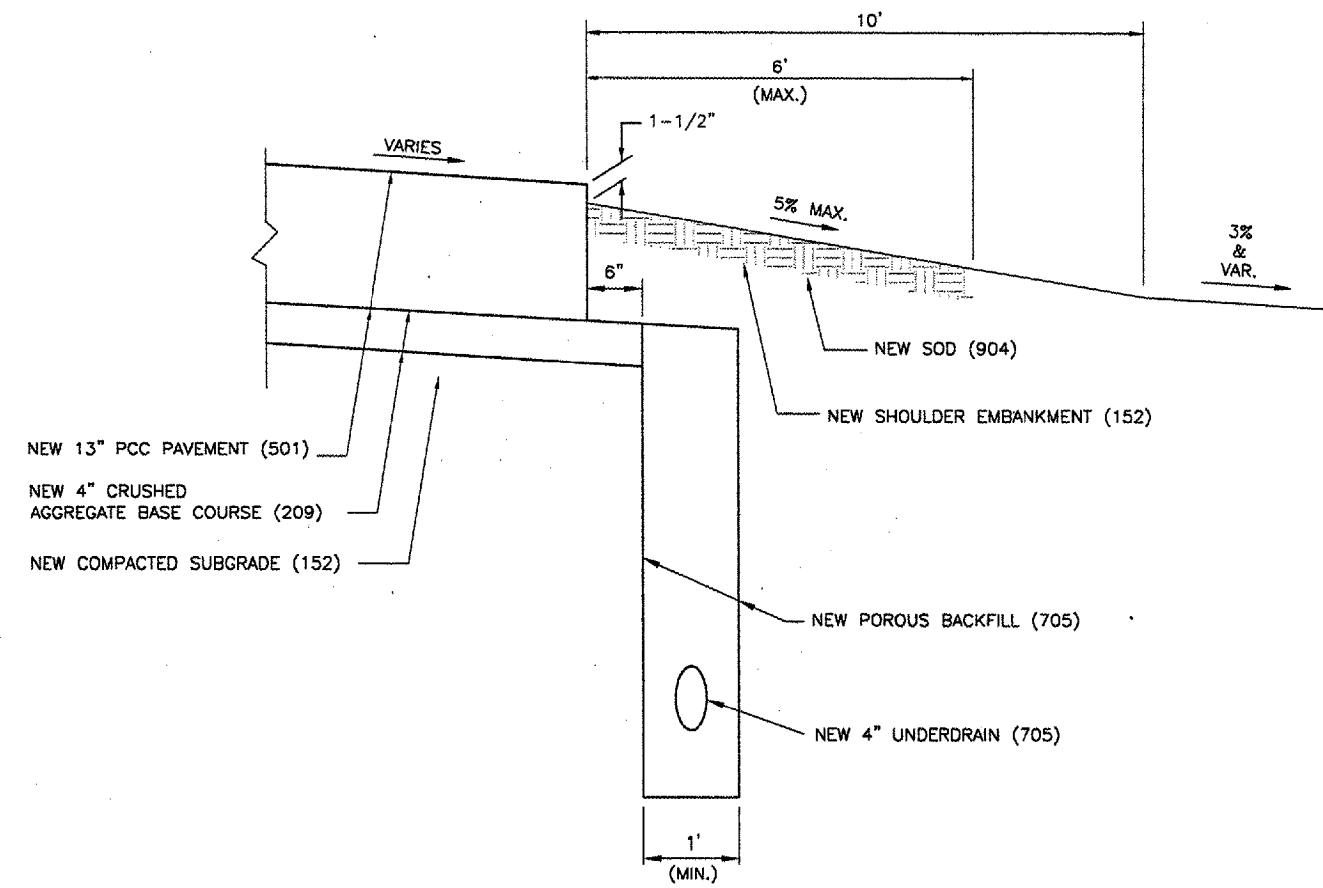
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DRAWN BY:	CMT
CHECKED BY:	<i>RLV</i>
APPROVED BY:	<i>RLV</i>
DATE:	AUGUST 07, 2007
JOB No:	07035-02-00



**PCC PAVEMENT EDGE SAWING DETAIL**  
 N.T.S.

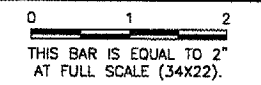


**TOPSOIL STRIPPING DETAIL**  
 N.T.S.



**NEW TURF SHOULDER TYPICAL SECTION**  
 N.T.S.

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 SPRINGFIELD, ILLINOIS

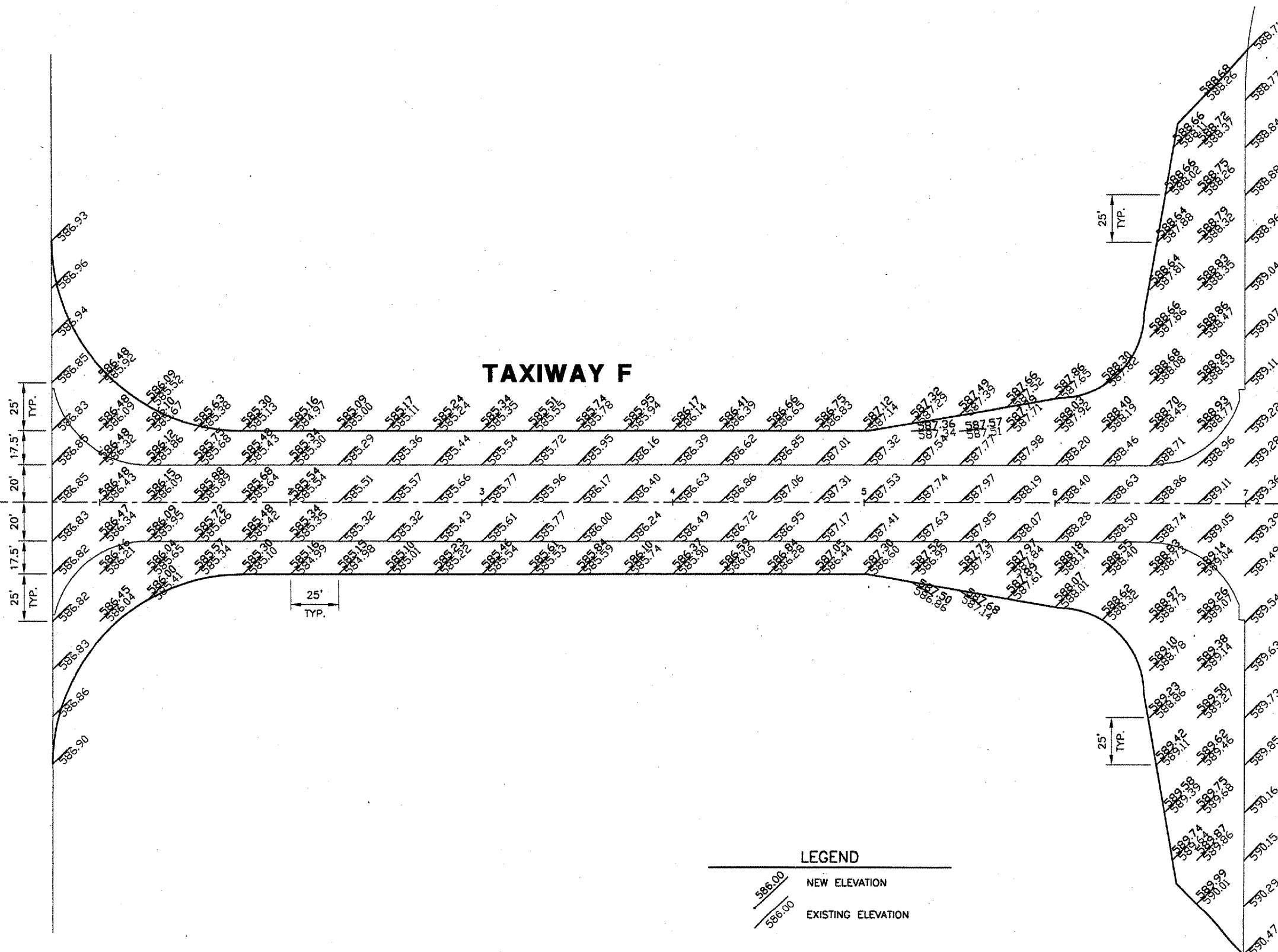
WIDEN TAXIWAY F  
 TYPICAL SECTIONS 2

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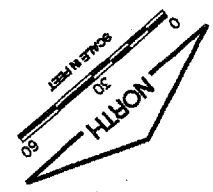
IL. PROJ. NO. SPI-3711  
 AIP PROJ. NO. 3-17-0096-XX

**RUNWAY 4/22**



**LEGEND**

	NEW ELEVATION
	EXISTING ELEVATION



**KEYMAP**

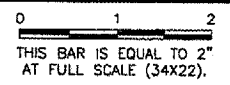
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 KEY  
 surveytopo  
 BASE\_PROPGE0  
 SPI\_LOGO  
 BASE\_EXISTOPO

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NUMBER	BY	DATE



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**ABRAHAM LINCOLN CAPITAL AIRPORT**  
**SPRINGFIELD, ILLINOIS**

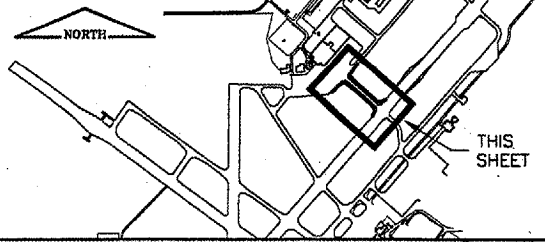
**WIDEN TAXIWAY F**  
**STAKING PLAN**

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IL PROJ. NO.	SPI-3711
AIP PROJ. NO.	3-17-0096-XX
SHEET	13 OF 31 SHEETS

**KEYMAP**



**LEGEND**

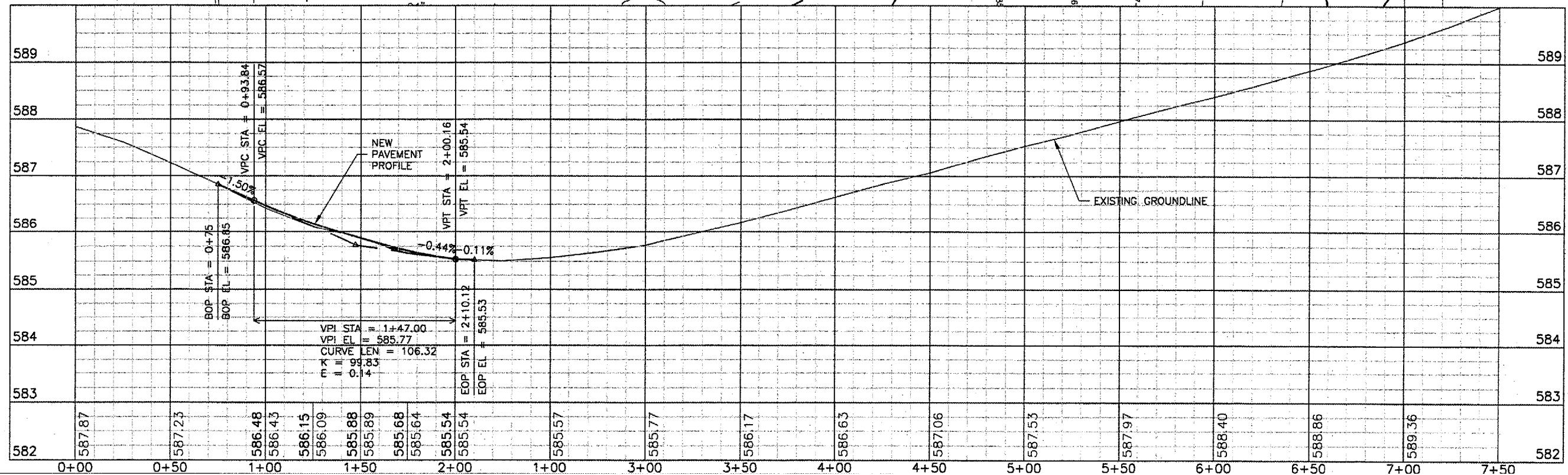
- EXISTING PAVEMENT
- NEW PAVEMENT
- - - NEW CONTOUR

SCALES:  
1" = 30' HOR  
1" = 1' VER

**RUNWAY 4/22**

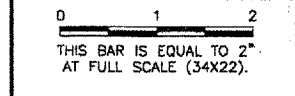
**TAXIWAY F**

**TAXIWAY G**



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 BASE\_EXISTPO  
 KEY

REVISIONS		
NUMBER	BY	DATE



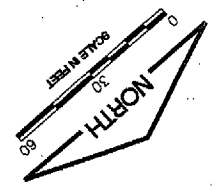
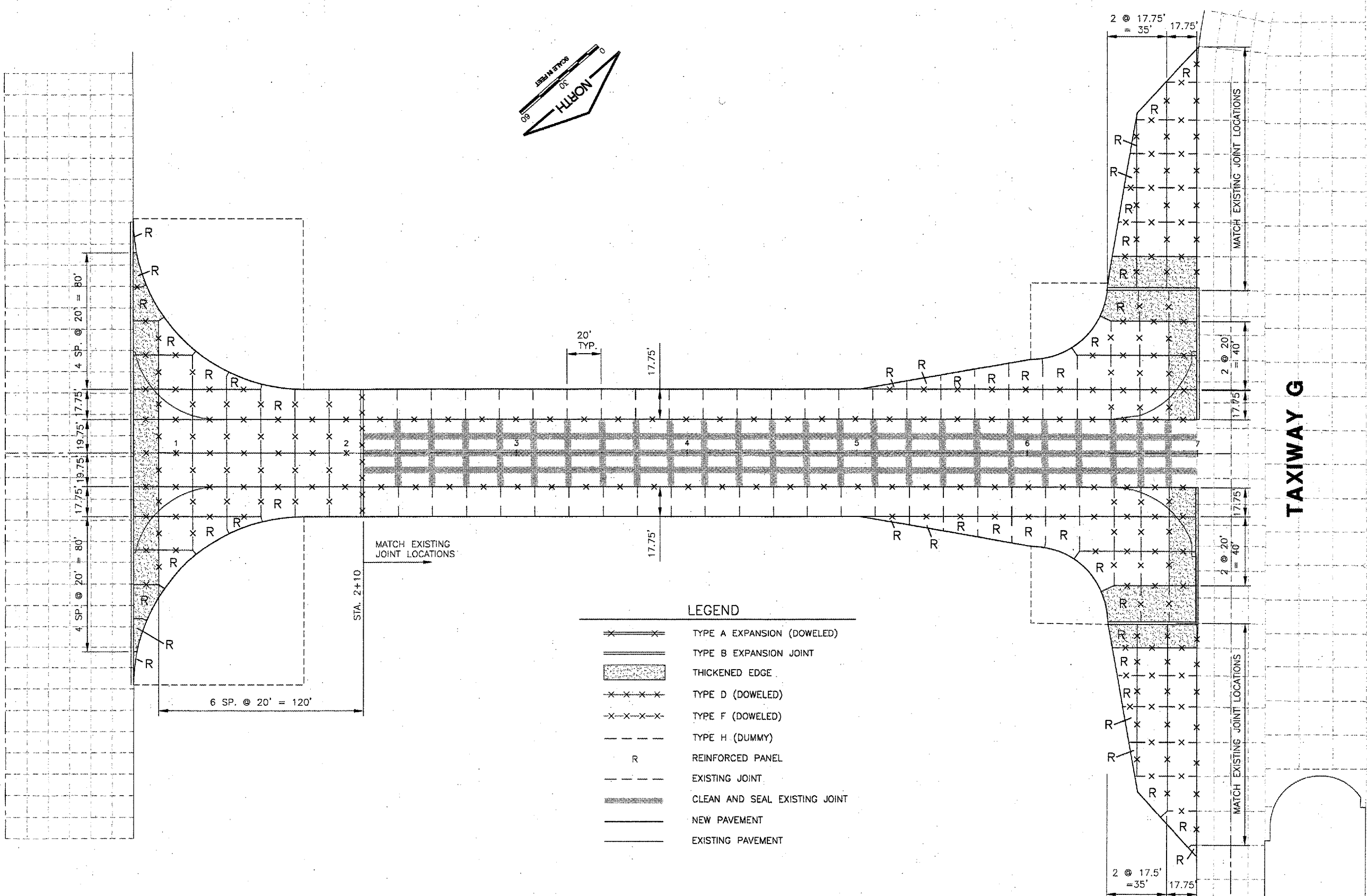
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**SPRINGFIELD, ILLINOIS**

**WIDEN TAXIWAY F**  
**TAXIWAY F PLAN & PROFILE**

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AIP PROJ. NO.	3-17-0096-XX

**RUNWAY 4/22**



**LEGEND**

- TYPE A EXPANSION (DOWELED)
- TYPE B EXPANSION JOINT
- THICKENED EDGE
- TYPE D (DOWELED)
- TYPE F (DOWELED)
- TYPE H (DUMMY)
- REINFORCED PANEL
- EXISTING JOINT
- CLEAN AND SEAL EXISTING JOINT
- NEW PAVEMENT
- EXISTING PAVEMENT

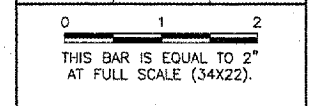
**KEYMAP**

CA004

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 UPDATE BY: Dave Allen  
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 KEY  
 SPI\_LOGO

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**SPRINGFIELD, ILLINOIS**

**WIDEN TAXIWAY F**  
**JOINTING PLAN**

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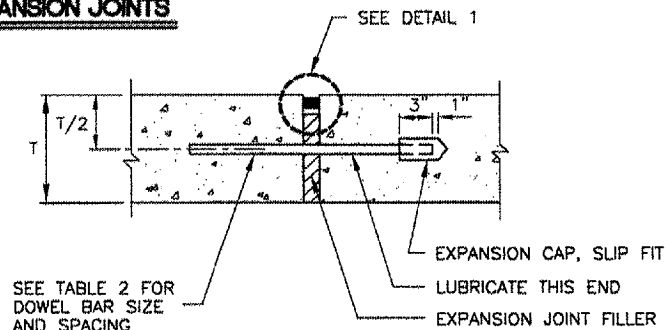
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JOB No:	07035-02-00
IL PROJ. NO.	SPI-3711
AIP PROJ. NO.	3-17-0096-XX
SHEET	14 OF 31 SHEETS

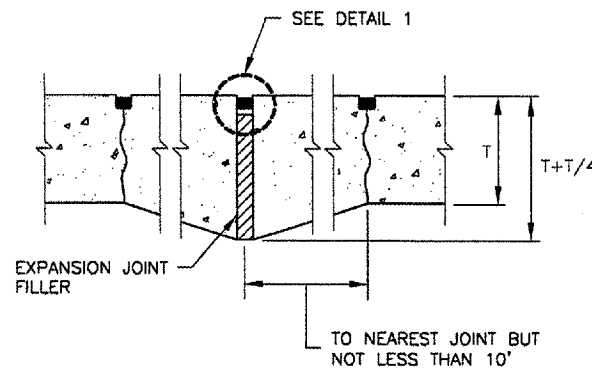


PAVEMENT THICKNESS T - INCHES	DEPTH OF CONTRACTION JOINT INITIAL SAW CUT 1, INCHES $1=(T/3) \pm 1/4"$
5	1.67"
6	2.00"
7	2.33"
8	2.67"
9	3.00"
10	3.33"
11	3.67"
12	4.00"
13	4.33"
14	4.67"
15	5.00"
16	5.33"
17	5.67"
18	6.00"

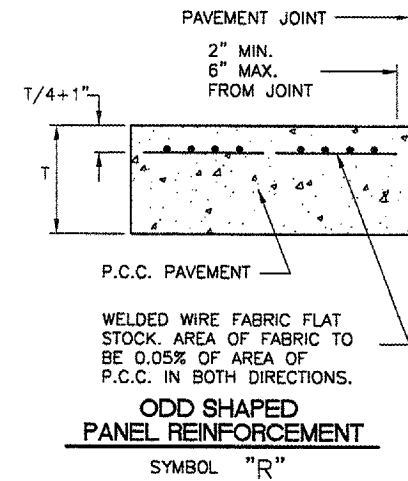
**EXPANSION JOINTS**



**TYPE A DOWELED**  
SYMBOL

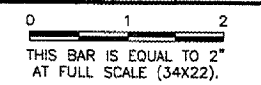


**TYPE B THICKENED EDGE**  
SYMBOL



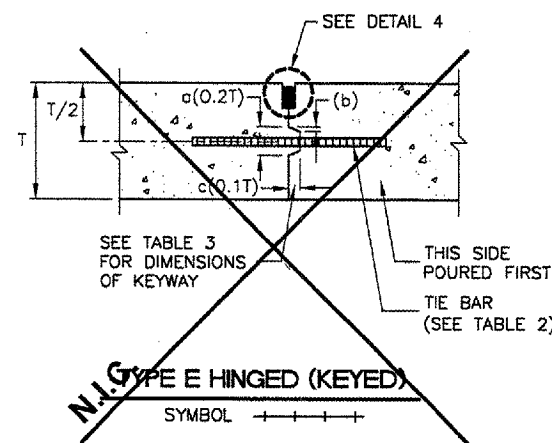
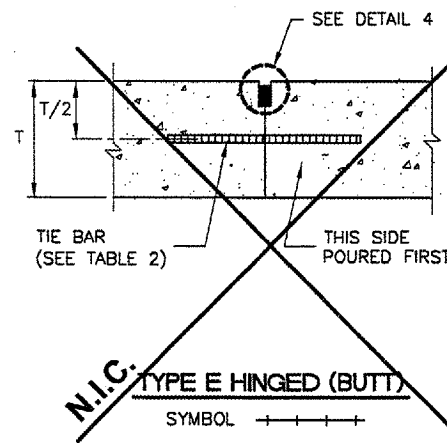
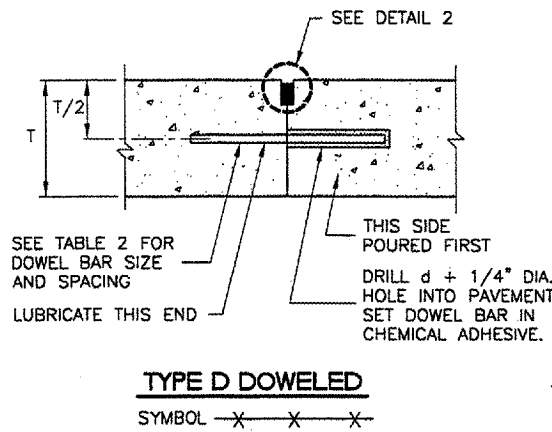
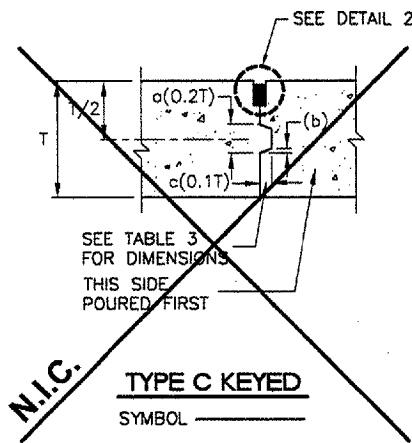
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PLOT DATE: 8/3/2007 1:26 PM  
SPI\_LOGO

NUMBER	BY	DATE

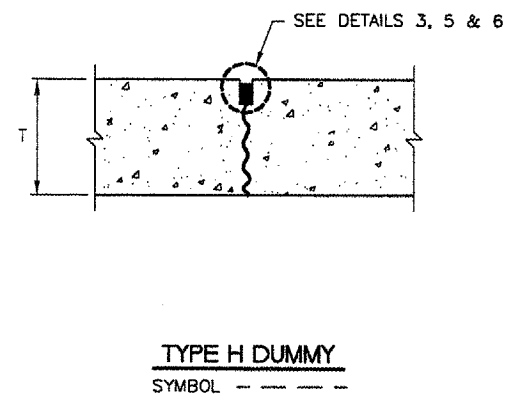
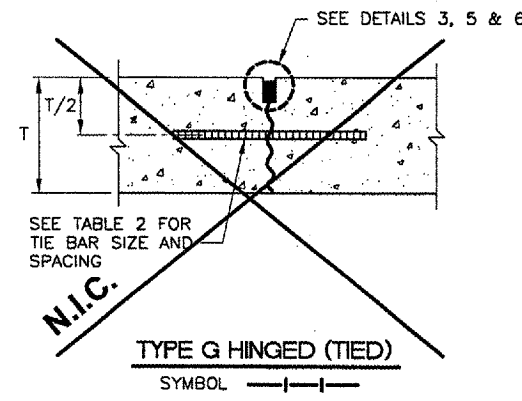
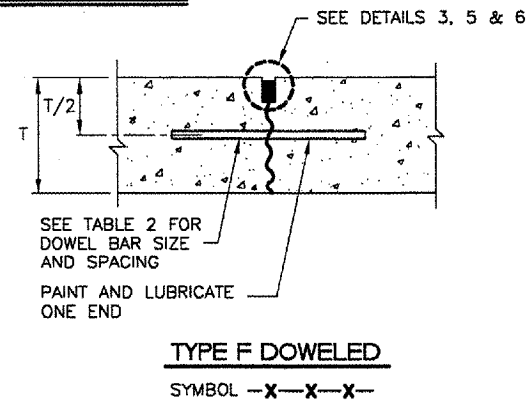


PAVEMENT THICKNESS T - INCHES	DOWEL BAR DETAILS			TIE BAR DETAILS		
	DIA.	LENGTH	SPACING	BAR SIZE	LENGTH	SPACING
5	5/8"	12"	12"	#4	24"	30"
6	3/4"	18"	12"	#5	30"	30"
7	3/4"	18"	12"	#5	30"	30"
8	1"	19"	12"	#5	30"	30"
9	1"	19"	12"	#5	30"	30"
10	1"	19"	12"	#5	30"	30"
11	1"	19"	12"	#5	30"	30"
12	1"	19"	12"	#5	30"	30"
13	1 - 1/4"	20"	15"	#5	30"	30"
14	1 - 1/4"	20"	15"	#5	30"	30"
15	1 - 1/4"	20"	15"	#5	30"	30"
16	1 - 1/4"	20"	15"	#5	30"	30"
17	1 - 1/2"	20"	18"	#5	30"	30"
18	1 - 1/2"	20"	18"	#5	30"	30"

**CONSTRUCTION JOINTS**



**CONTRACTION JOINTS**



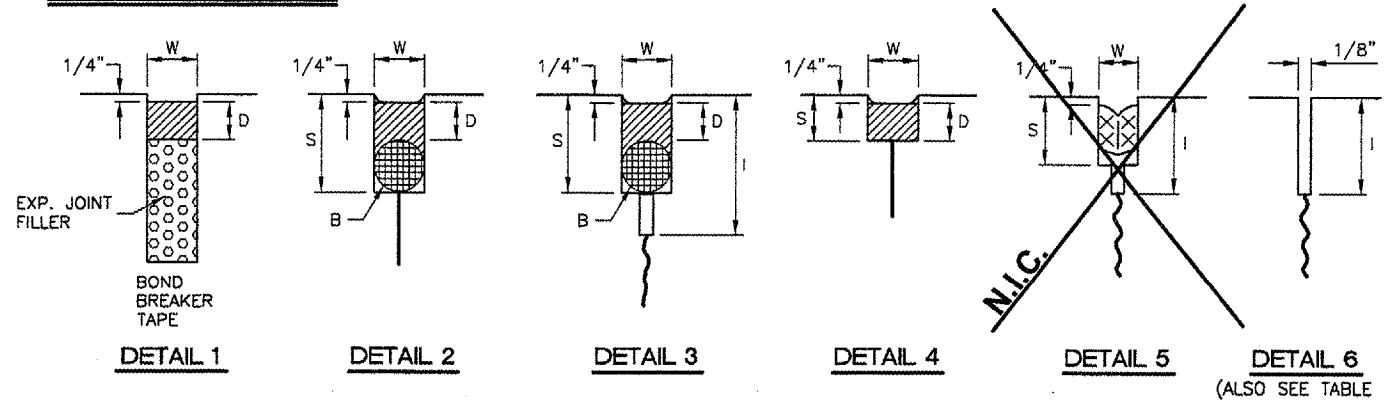
PAVEMENT THICKNESS T - INCHES	KEYED JOINT DIMENSIONS		
	a	b	c
6	—	—	—
7	—	—	—
8	0.133' ( 1-5/8" ± )	0.017' ( 3/16" ± )	0.067' ( 7/8" ± )
9	0.150' ( 1-13/16" ± )	0.019' ( 3/16" ± )	0.075' ( 7/8" ± )
10	0.167' ( 2" )	0.021' ( 1/4" ± )	0.083' ( 1" )
11	0.183' ( 2-13/16" ± )	0.023' ( 1/4" ± )	0.092' ( 1-1/8" ± )
12	0.200' ( 2-3/8" ± )	0.025' ( 5/16" ± )	0.100' ( 1-1/4" ± )
13	0.217' ( 2-5/8" ± )	0.027' ( 5/16" ± )	0.108' ( 1-5/16" ± )
14	0.233' ( 2-13/16" ± )	0.029' ( 3/8" ± )	0.117' ( 1-7/16" ± )
15	0.250' ( 3" )	0.031' ( 3/8" ± )	0.125' ( 1-1/2" ± )
16	0.267' ( 3-13/16" ± )	0.033' ( 7/16" ± )	0.133' ( 1-5/8" ± )

**JOINT NOTES**

- 1.) ALL EDGES OF NEW SLABS, FREE STANDING OR CLOSURE, SHALL BE EDGED WITH AN APPROVED TOOL HAVING A RADIUS OF 1/8" TO 1/4" TO FACILITATE SAWING OF THE SEALANT RESERVOIR. A RADIUS > 1/4" WILL NOT BE ACCEPTABLE.
- 2.) THE INITIAL SAWCUT FOR ALL LONGITUDINAL & TRANSVERSE CONTRACTION JOINTS SHALL BE SAWS AS SOON AS POSSIBLE AFTER PLACEMENT OF THE PAVEMENT.
- 3.) ALL TIE BARS & MESH SHALL BE SECURELY HELD IN PLACE BY SUPPORT PINS OR OTHER APPROVED METHODS TO PREVENT SHIFTING DURING & AFTER CONCRETE PLACEMENT.
- 4.) TIE BARS SHALL BE DEFORMED BARS IN CONFORMANCE WITH THE SPECIFICATIONS.
- 5.) THE INITIAL SAWCUT SHALL BE MADE TO THE 1/8" WIDTH INDICATED. INITIAL SAWING TO THE DIMENSIONS OF THE SECOND SAWCUT WILL NOT BE ALLOWED.

	DETAIL 1	DETAIL 2	DETAIL 3	DETAIL 4	DETAIL 5
HOT/COLD POUR	HOT/COLD POUR	HOT/COLD POUR	HOT/COLD POUR	HOT/COLD POUR	PRE-FORMED
W=WIDTH OF SEALANT RESERVOIR (IN.)	1	1/2	1/2	1/2	3/8 (COM-PRESSED)
D=DEPTH OF SEALANT RESERVOIR (IN.)	1	1/2	1/2	1/2	N/A
B=BACKER ROD DIAMETER (IN.)	N/A	5/8	5/8	N/A	N/A
S=SECOND SAWCUT DEPTH (IN.) MINIMUM	N/A	1-3/8	1-3/8	3/4	1-1/2

**JOINT SEALING DETAILS**



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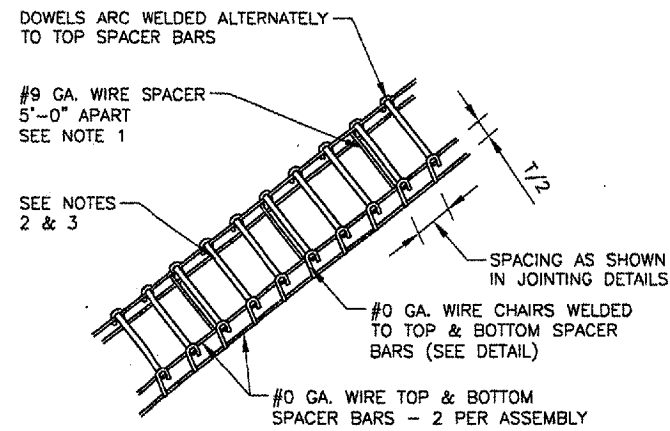
**WIDEN TAXIWAY F**

**JOINTING DETAILS**

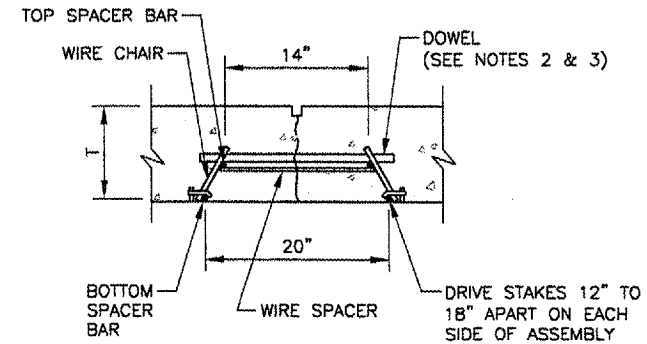
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JOB No: 07035-02-00  
ILL. PROJ. NO. SPI-3711  
AIP PROJ. NO. 3-17-0096-XX  
SHEET 15 OF 31 SHEETS

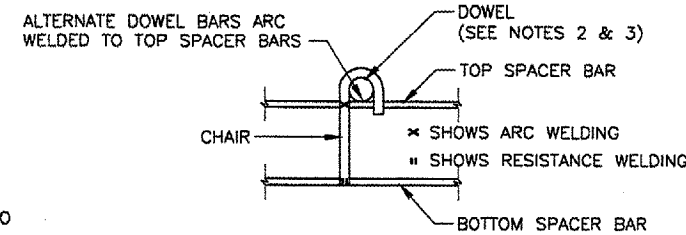
**N.I.C. - NOT IN CONTRACT**



**DOWEL BASKET ASSEMBLY DETAILS AND NOTES**  
N.T.S.



**DOWEL BAR INSTALLATION DETAIL**  
N.T.S.

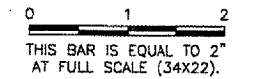


**TYPICAL DOWEL BASKET ELEVATION DETAIL SHOWING CHAIR**  
N.T.S.

**DOWEL BASKET NOTES**

- #9 GA. WIRE SPACER BAR ARC WELDED TO THE BOTTOM OF TOP SPACER BAR. (MAY BE MECHANICALLY ATTACHED IN LIEU OF WELDING) 3 REQUIRED PER UNIT.
- DOWEL BAR DIAMETER, LENGTH & SPACING SHALL BE AS SHOWN IN TABLE 2.
- DOWELS SHALL BE EPOXY COATED FULL LENGTH OF DOWEL. IMMEDIATELY PRIOR TO PAVING, THE FREE END OF EACH DOWEL SHALL BE LUBRICATED OR OILED, FOR HALF THE LENGTH OF THE DOWEL.

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NUMBER	BY	DATE



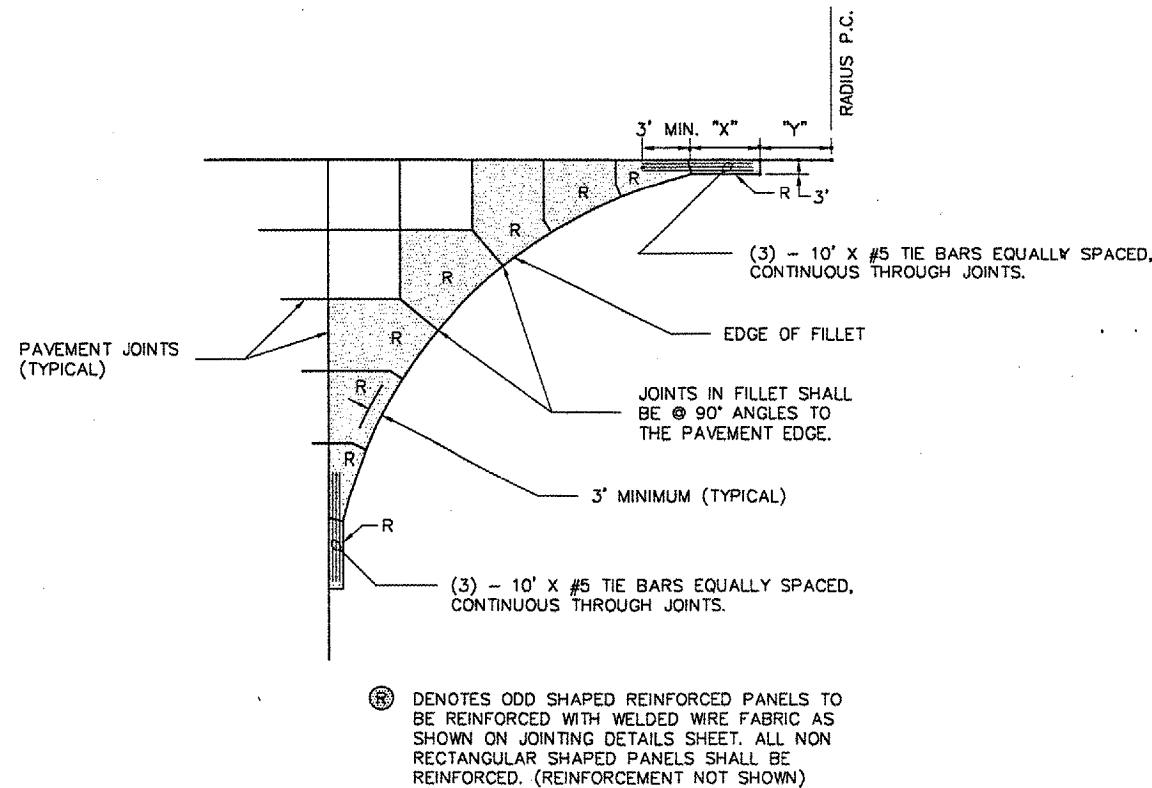
**DOWEL BASKET DETAILS**



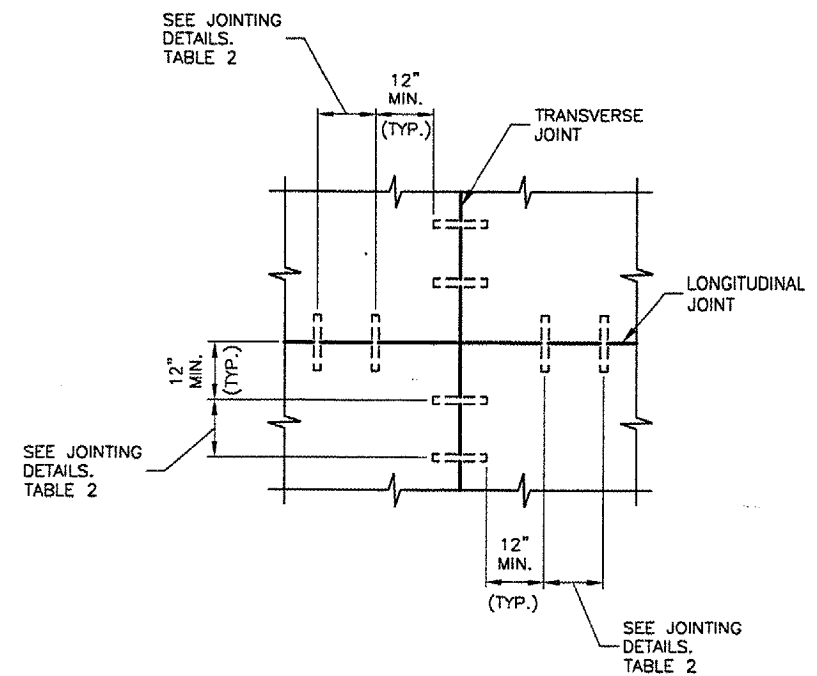
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 SPRINGFIELD, ILLINOIS

WIDEN TAXIWAY F  
 PAVING & MISCELLANEOUS DETAILS 1

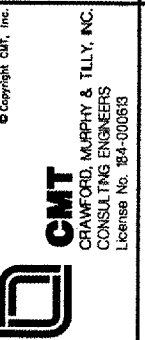
FILLET RADIUS	"X" (IN FEET)	"Y" (IN FEET)
20	4.30	6.24
25	4.88	7.00
30	5.40	7.68
45	6.72	9.43
50	7.11	9.95
75	8.79	12.21
85	9.38	13.00
100	10.21	14.11
125	11.44	15.78
150	12.56	17.29
175	13.58	18.68
200	14.53	19.98



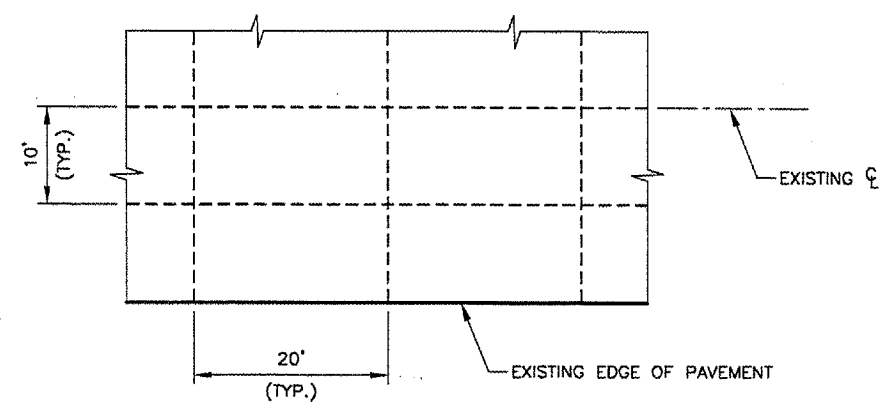
**FILLET DETAIL AND FILLET REINFORCING LAYOUT**  
N.T.S.



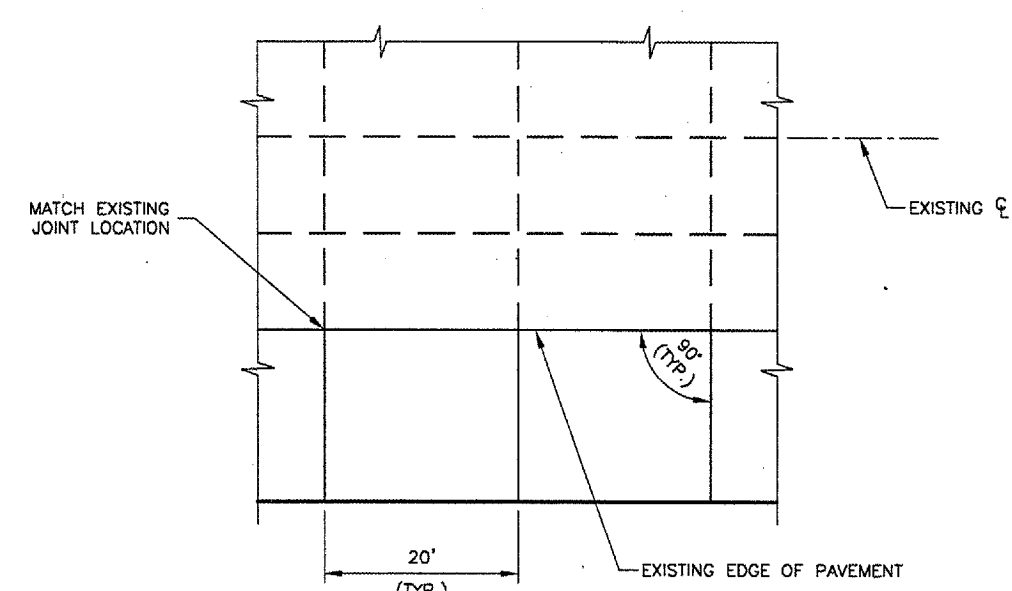
**DOWEL PLACEMENT DETAIL**  
N.T.S.



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SHEET 16 OF 31 SHEETS	



**EXISTING PAVEMENT JOINT LAYOUT**  
 N.T.S.

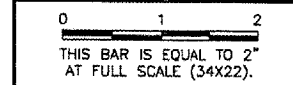



**NEW PAVEMENT JOINT LAYOUT**  
 N.T.S.

- LEGEND**
- EXISTING JOINT - 7/16" PRE-FORMED JOINT SEALANT (TYPICAL)
  - - - - - CLEAN AND SEAL EXISTING JOINT - TO BE PAID PER L.F.
  - \_\_\_\_\_ CONSTRUCT NEW JOINT IN NEW PCC PAVEMENT (SEE JOINTING PLAN AND DETAILS) - COST INCIDENTAL TO NEW PCC PAVEMENT

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**WIDEN TAXIWAY F**

**PAVING & MISCELLANEOUS DETAILS 2**

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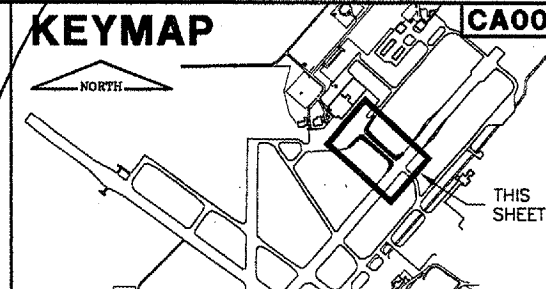
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SHEET	17 OF 31 SHEETS

**UNDERDRAIN STRUCTURE SCHEDULE**

STRUCTURE	TYPE	STATION	OFFSET	NORTHING	EASTING	RIM	INVERT 1
CO-1	1	1+00	76.05' LT.	1159353.15	2435289.14	586.15	583.15
CO-2	1	6+61.46	200' LT.	1159630.69	2434785.58	588.38	585.03
CO-3	1	1+00	76.04' RT.	1159467.40	2435389.55	586.15	583.15
CO-4	1	6+61.46	200' RT.	1159931.15	2435049.65	589.70	586.70
CS-1		2+42	40.5' LT.	1159473.60	2435205.95	584.87	582.39
CS-2		2+42	40.5' RT.	1159534.44	2435259.42	584.85	582.39
EIN-1		2+51.14	144.07' LT.	1159401.84	2435130.71	583.37	580.37
EIN-3		3+01.86	174.27' RT.	1159674.43	2435302.77	582.49	579.49

**UNDERDRAIN PIPE SCHEDULE**

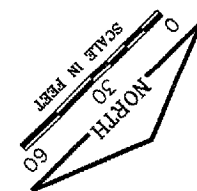
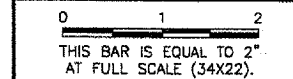
LINE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	LENGTH (FT.)	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	PIPE
UD-1	CO-1	CS-1	152.77	583.15	582.39	0.50%	4" PERFORATED
UD-2	CO-2	CS-1	529.05	585.03	582.39	0.50%	4" PERFORATED
UD-3	CS-1	EIN-1	103.97	582.39	580.37	1.94%	4" NON-PERFORATED
UD-4	CO-3	CS-2	152.76	583.15	582.39	0.50%	4" PERFORATED
UD-5	CO-4	CS-2	529.03	586.70	582.39	0.82%	4" PERFORATED
UD-6	CS-2	EIN-3	143.73	582.39	579.49	2.00%	4" NON-PERFORATED



CA004  
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 PLOT DATE: 8/3/2007 1:26 PM  
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 Capitol\_Base  
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 surveytopo  
 SPI\_LOGO

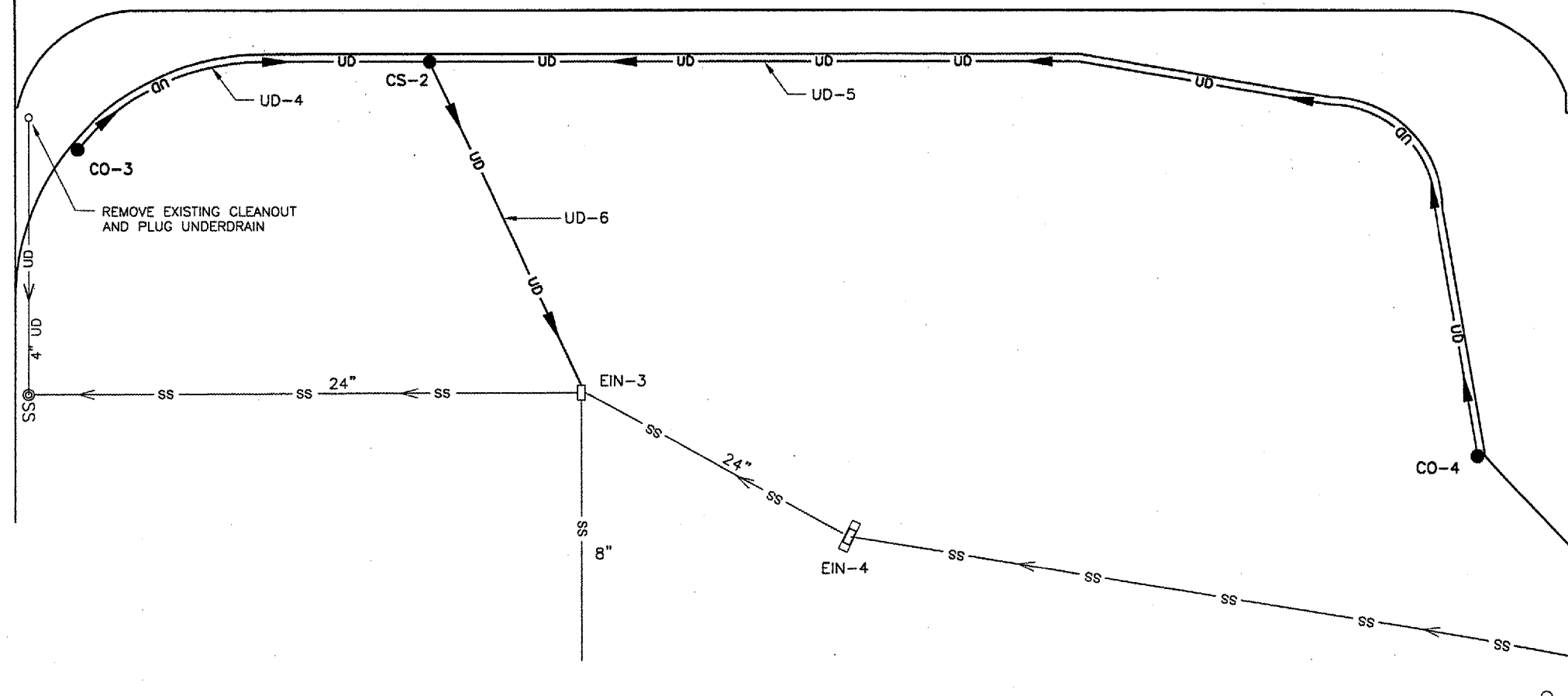
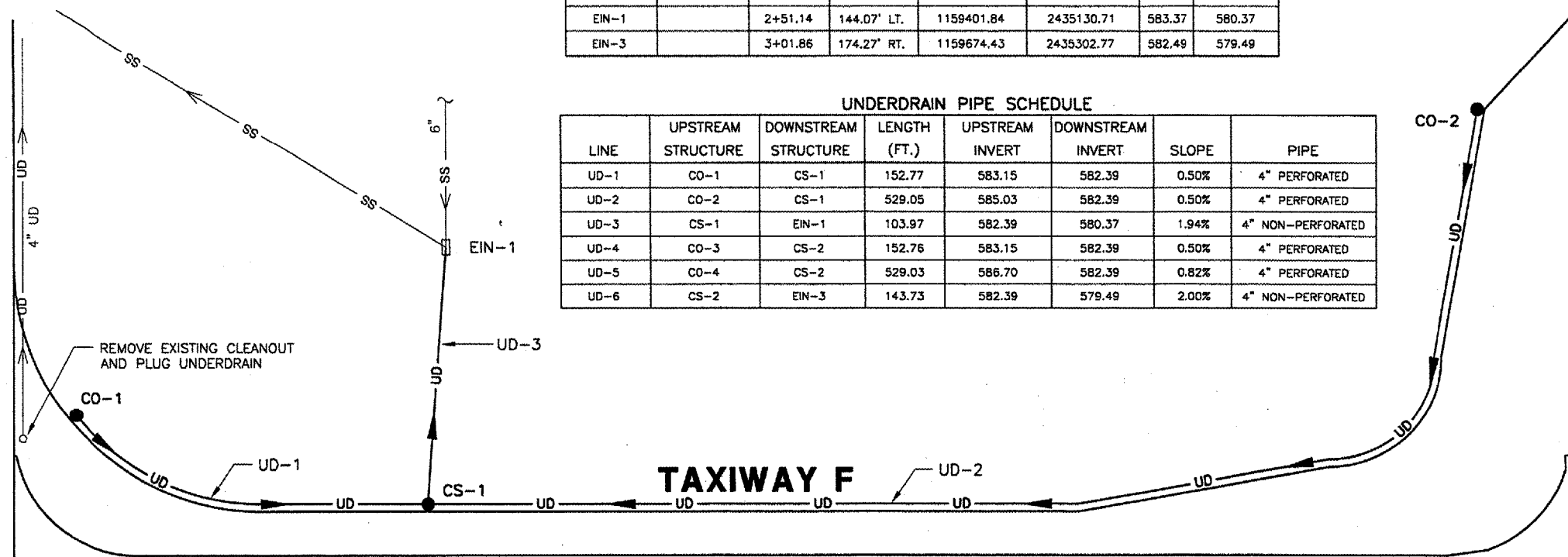
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**LEGEND**

- EXISTING UNDERDRAIN
- NEW UNDERDRAIN
- EXISTING STORM SEWER
- EXISTING INLET
- NEW UNDERDRAIN CLEANOUT
- NEW UNDERDRAIN COLLECTION STRUCTURE



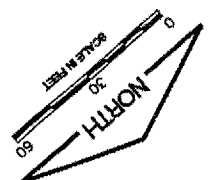
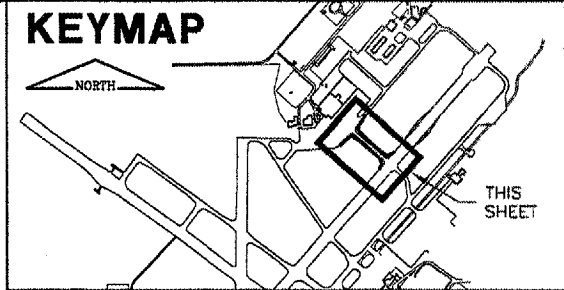
**TAXIWAY G**

**WIDEN TAXIWAY F  
DRAINAGE PLAN**

**SPRINGFIELD AIRPORT AUTHORITY  
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**LEGEND**

- EXISTING MARKING TO BE REMOVED
- NEW MARKING

**NOTES:**

1. ALL EXISTING MARKING THAT IS TO BE RE-MARKED SHALL BE CLEANED USING SAND BLASTING OR HIGH PRESSURE WATER TO REMOVE DIRT, GREASE, LAITANCE, AND LOOSE/FLAKING PAINT.
2. AN ADDITIONAL 2200 SF OF PAVEMENT MARKING HAVE BEEN INCLUDED IN THE QUANTITIES FOR REPAIR OF MARKINGS ALONG THE HAUL ROUTE AS DIRECTED BY THE ENGINEER.

**CA004**  
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 UPDATE BY: Dove Allen  
 PLOT DATE: 8/3/2007 1:26 PM  
 KEY  
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 BASE\_PROGEO  
 BASE\_EXISTPO  
 BASE\_PROPMARK

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0 1 2  
 THIS BAR IS EQUAL TO 2'  
 AT FULL SCALE (34X22).



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**WIDEN TAXIWAY F  
 MARKING PLAN**

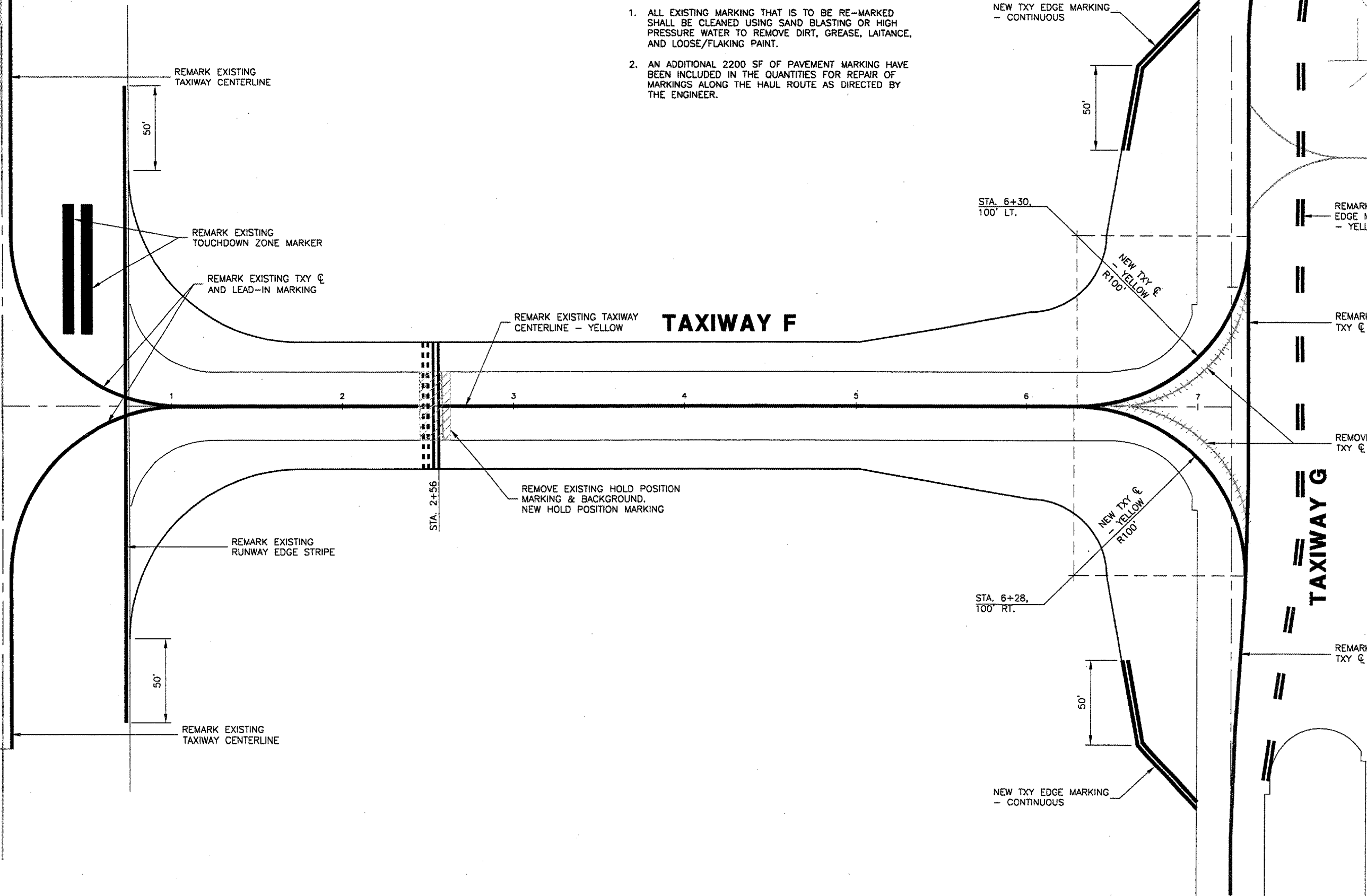
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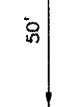
**RUNWAY 4/22**

**TAXIWAY F**

**TAXIWAY G**



REMARK EXISTING TAXIWAY CENTERLINE



REMARK EXISTING TOUCHDOWN ZONE MARKER

REMARK EXISTING TXY ☉ AND LEAD-IN MARKING

REMARK EXISTING TAXIWAY CENTERLINE - YELLOW

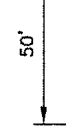
REMOVE EXISTING HOLD POSITION MARKING & BACKGROUND. NEW HOLD POSITION MARKING

REMARK EXISTING RUNWAY EDGE STRIPE



REMARK EXISTING TAXIWAY CENTERLINE

NEW TXY EDGE MARKING - CONTINUOUS



STA. 6+30, 100' LT.

NEW TXY ☉ - YELLOW R100'

REMARK EXIST. TXY EDGE MARKING - YELLOW DASHED

REMARK EXISTING TXY ☉ - YELLOW

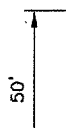
REMOVE EXISTING TXY ☉ MARKING

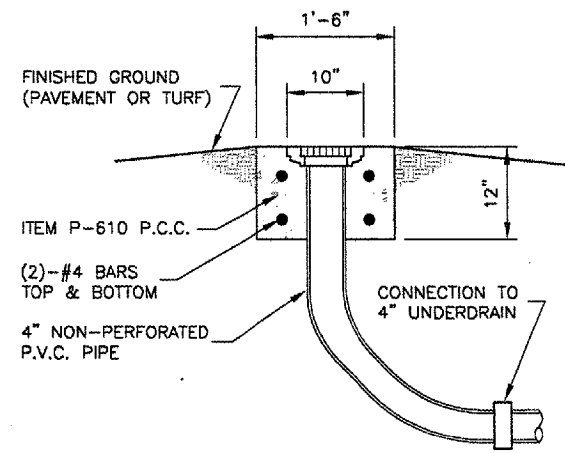
STA. 6+28, 100' RT.

NEW TXY ☉ - YELLOW R100'

REMARK EXISTING TXY ☉ - YELLOW

NEW TXY EDGE MARKING - CONTINUOUS

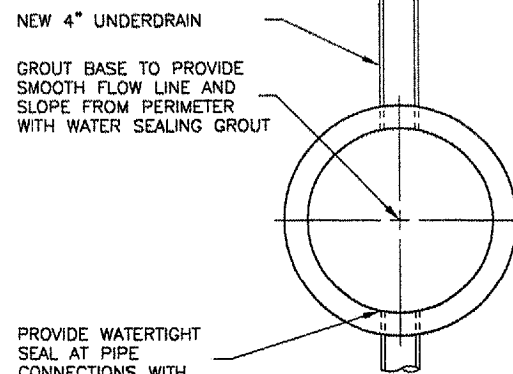




SIDE VIEW

UNDERDRAIN CLEAN-OUT DETAIL - TYPE 1

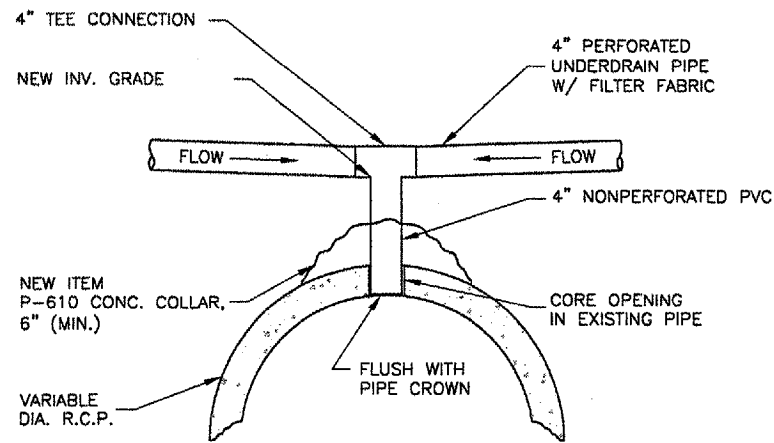
N.T.S.



PLAN

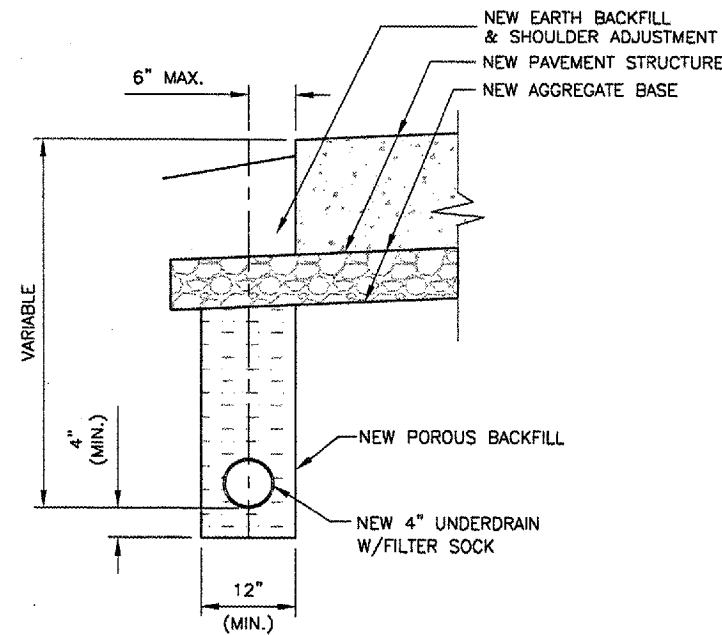
PROVIDE WATERTIGHT SEAL AT PIPE CONNECTIONS WITH WATER SEALING GROUT

NEW 4" UNDERDRAIN  
 GROUT BASE TO PROVIDE SMOOTH FLOW LINE AND SLOPE FROM PERIMETER WITH WATER SEALING GROUT



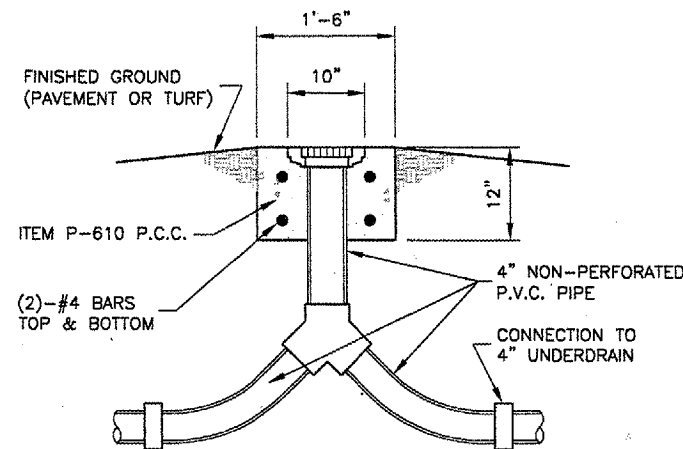
UNDERDRAIN DIRECT TOP CONNECTION DETAIL

N.T.S.



TYPICAL UNDERDRAIN DETAIL PAVEMENT EDGE

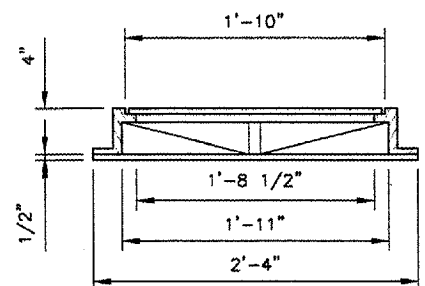
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SIDE VIEW

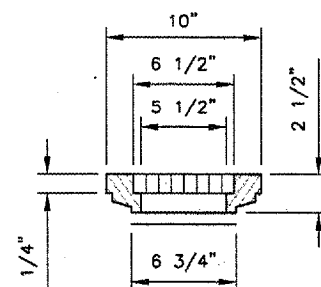
UNDERDRAIN CLEAN-OUT DETAIL - TYPE 2

N.T.S.



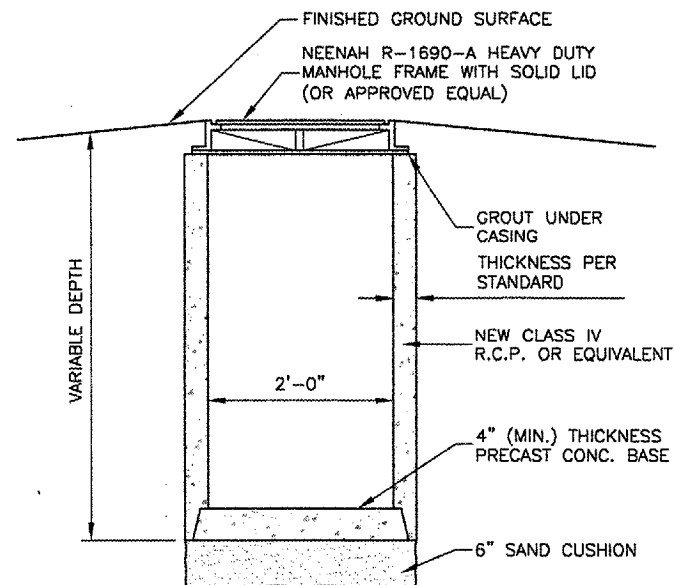
FRAME AND LID

CAST IRON FRAME & LID (SIMILAR TO NEENAH R-1690-A HEAVY DUTY OR APPROVED EQUAL)



FRAME AND COVER

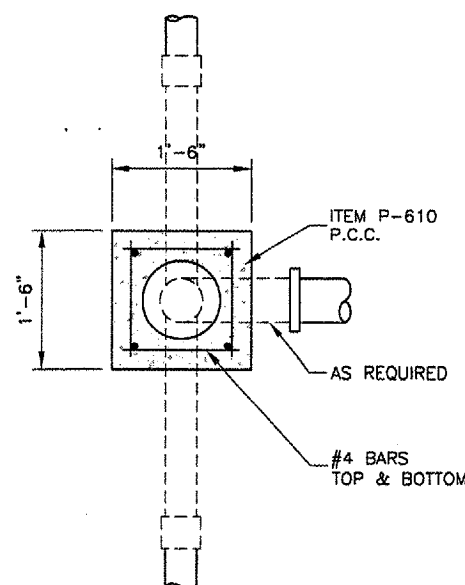
CAST IRON FRAME & COVER (SIMILAR TO NEENAH R-6013 OR APPROVED EQUAL)



SIDE VIEW

UNDERDRAIN COLLECTION STRUCTURE DETAIL

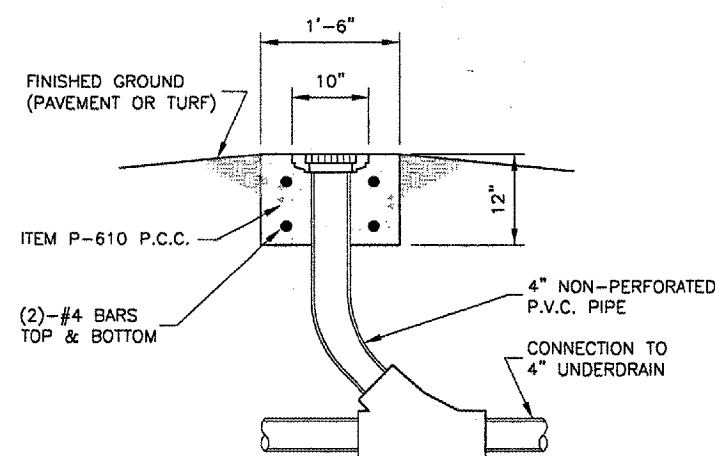
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PLAN

UNDERDRAIN CLEAN-OUT DETAILS

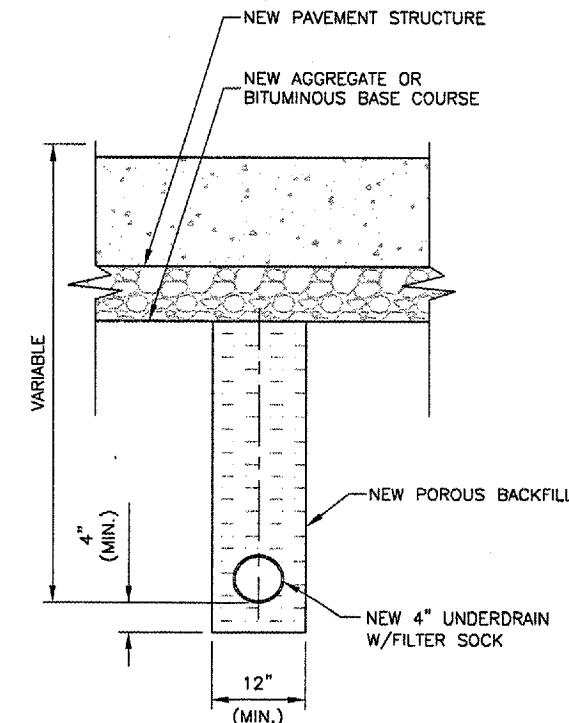
N.T.S.



SIDE VIEW

UNDERDRAIN CLEAN-OUT DETAIL - TYPE 3

N.T.S.



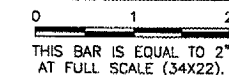
TYPICAL UNDERDRAIN DETAIL BELOW PAVEMENT

N.T.S.

NOTES

DURING UNDERDRAIN CONSTRUCTION, CARE SHALL BE TAKEN TO ENSURE GOOD DRAINAGE BETWEEN THE SUB-BASE AND THE POROUS BACKFILL MATERIAL WHICH WILL AFFECT DRAINAGE TO THE UNDERDRAIN SHALL BE REMOVED PRIOR TO THE PLACEMENT OF PROPOSED POROUS BACKFILL. ALL COST FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL.

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WIDEN TAXIWAY F

UNDERDRAIN DETAILS

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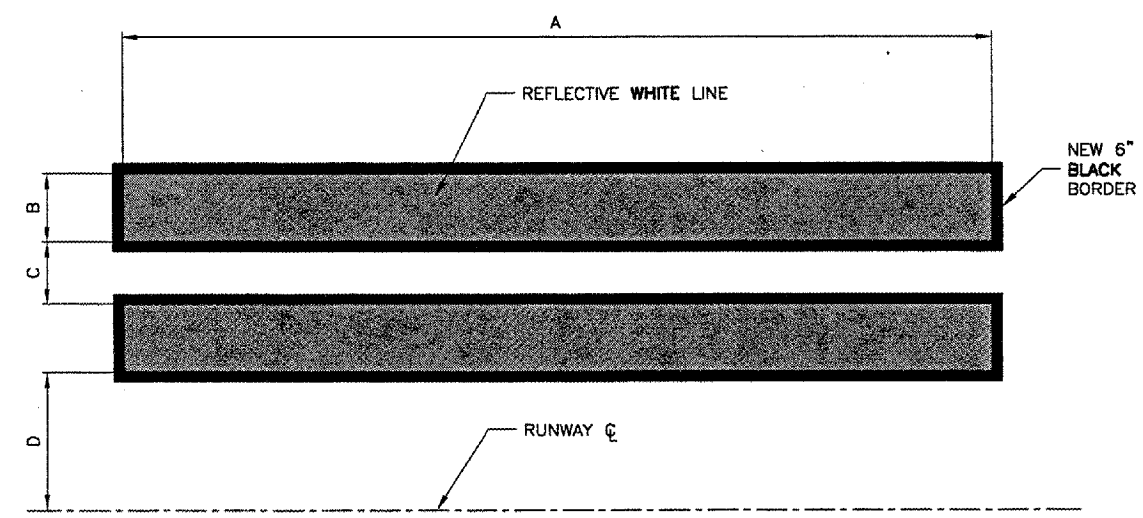
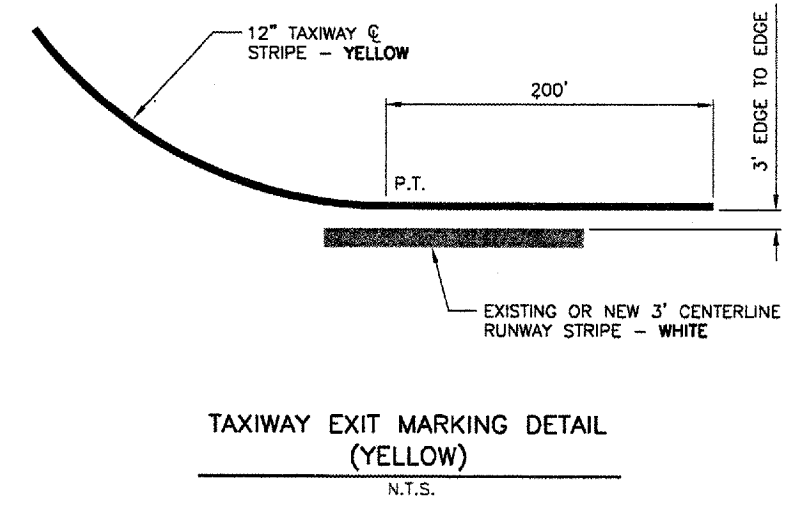
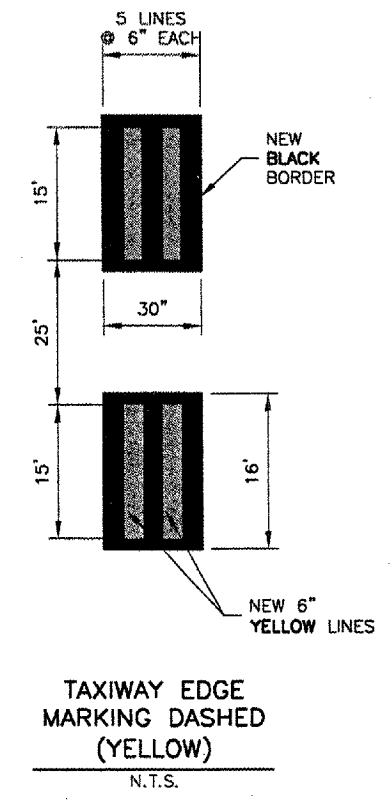
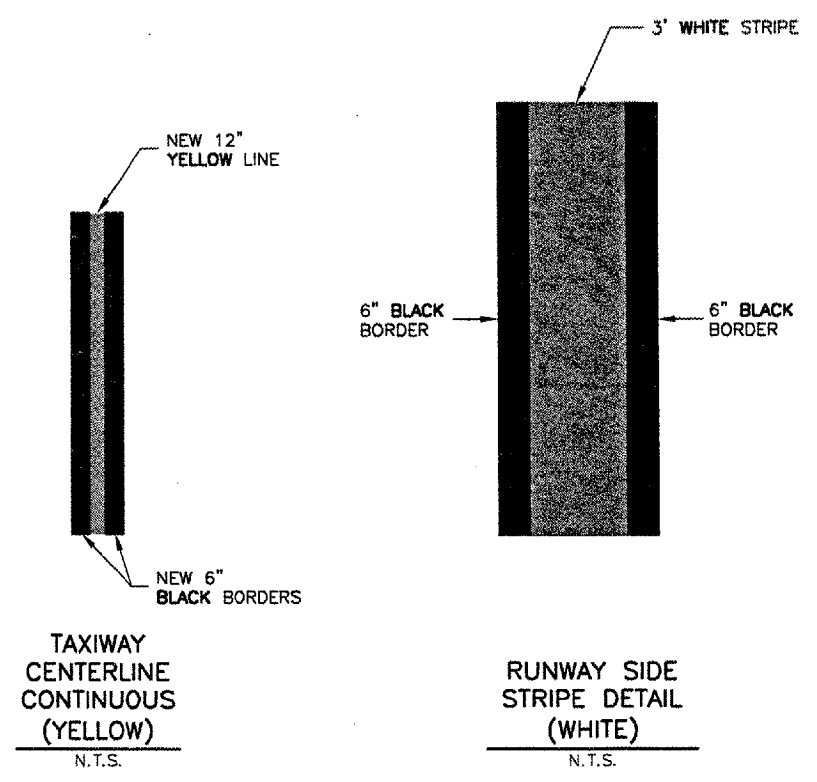
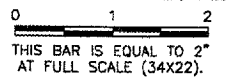


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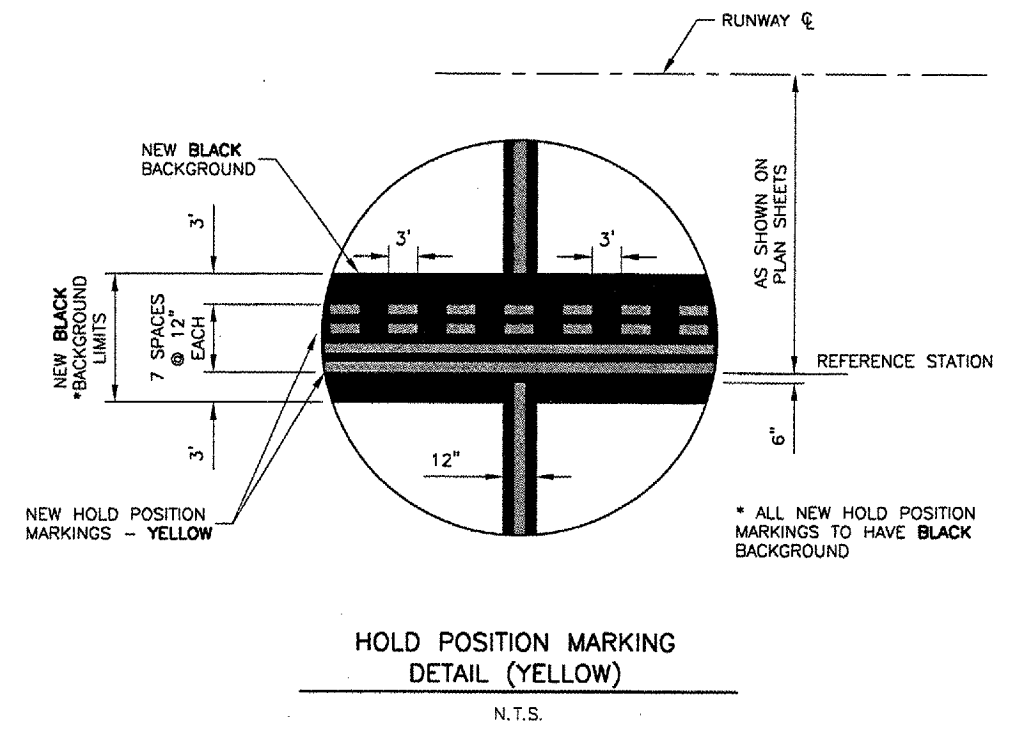


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150' RUNWAY				
MARKING (PER RUNWAY END)	DIMENSION *			
	A	B	C	D
THRESHOLD BAR	150'	10'	-	-
THRESHOLD MARKER	150'	5.75'	5.75'	5.75'
AIMING POINT MARKING	150'	30'	-	36'
TOUCHDOWN ZONE MARKER	75'	6'	5'	36'

**NOTE:**  
 1. ALL NEW AIRFIELD MARKING SHALL HAVE REFLECTIVE BEADS & 6" BLACK BORDER



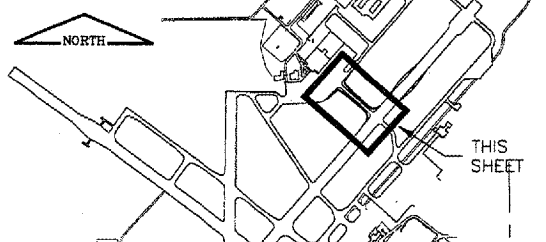
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WIDEN TAXIWAY F  
 MARKING DETAILS

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SHEET 21 OF 31 SHEETS	

**KEYMAP**



**LEGEND**

- EXISTING STAKE MOUNTED TAXIWAY LIGHT
- ◻ EXISTING BASE MOUNTED RWY LIGHT
- ◻ NEW HIGH INTENSITY RWY EDGE LIGHT
- ◻ EXISTING BASE MOUNTED TXY LIGHT
- ◻ NEW BASE MOUNTED TXY LIGHT
- ◻ NEW SEMI-FLUSH RUNWAY EDGE LIGHT
- ◻ NEW AIRFIELD SIGN & NO.
- ⊕ EXIST. SPLICE CAN
- NEW SPLICE CAN
- R REMOVE
- EXIST. DUCT BANK
- ④ NEW DUCT BANK & #-WAY
- NEW TXY F CIRCUIT
- NEW RWY 4/22 CIRCUIT
- NEW SENSOR CABLE

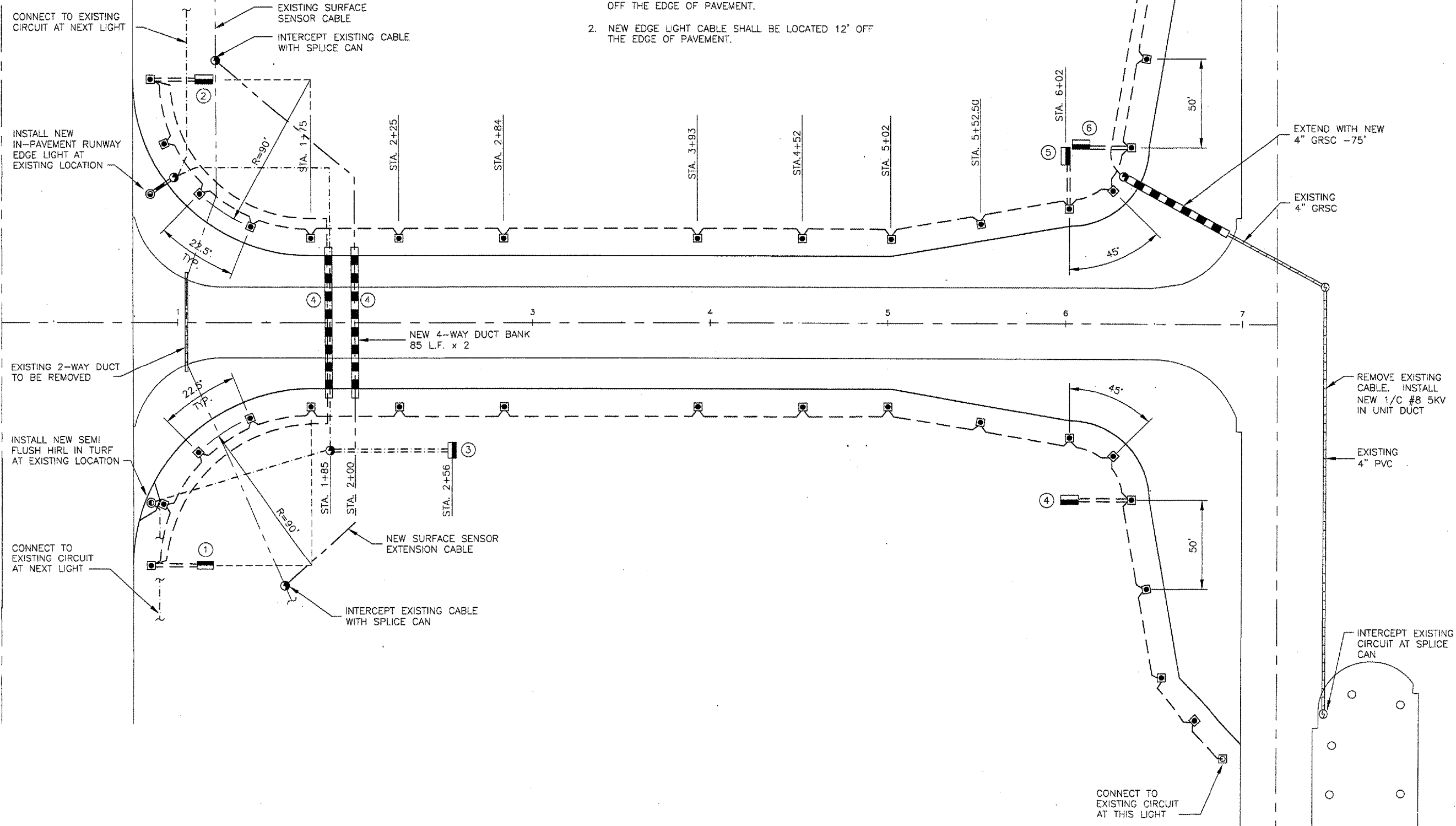
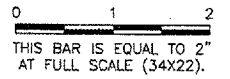
**NOTES:**

1. NEW TAXIWAY EDGE LIGHTS SHALL BE LOCATED AT 10' OFF THE EDGE OF PAVEMENT.
2. NEW EDGE LIGHT CABLE SHALL BE LOCATED 12' OFF THE EDGE OF PAVEMENT.

**CA004**  
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 UPDATE BY: Dove Allen  
 PLOT DATE: 8/3/2007 1:26 PM  
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 BASE\_PROPGEO  
 BASE\_EXISTOPO  
 BASE\_PROPELEC

**REVISIONS**

NUMBER	BY	DATE

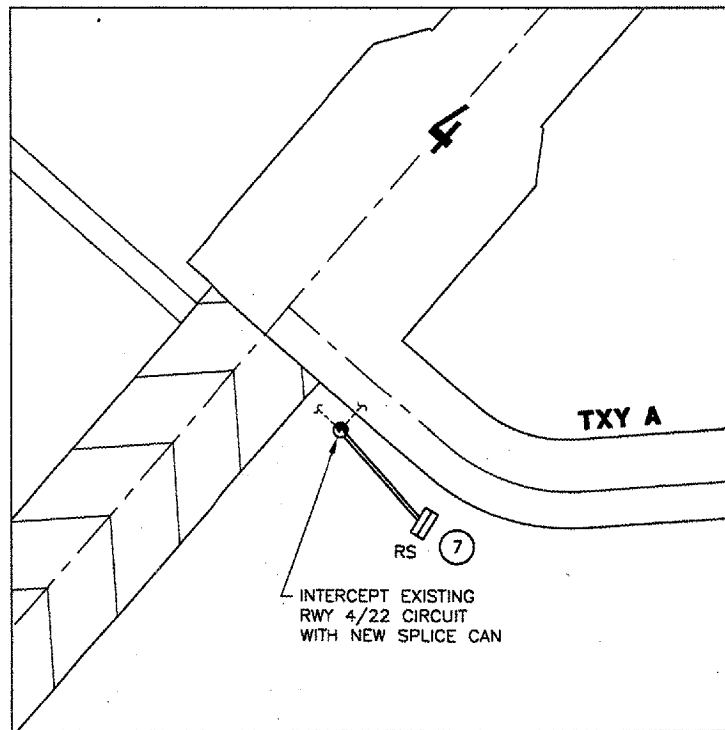


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 ABRAHAM LINCOLN CAPITAL AIRPORT  
 SPRINGFIELD, ILLINOIS**

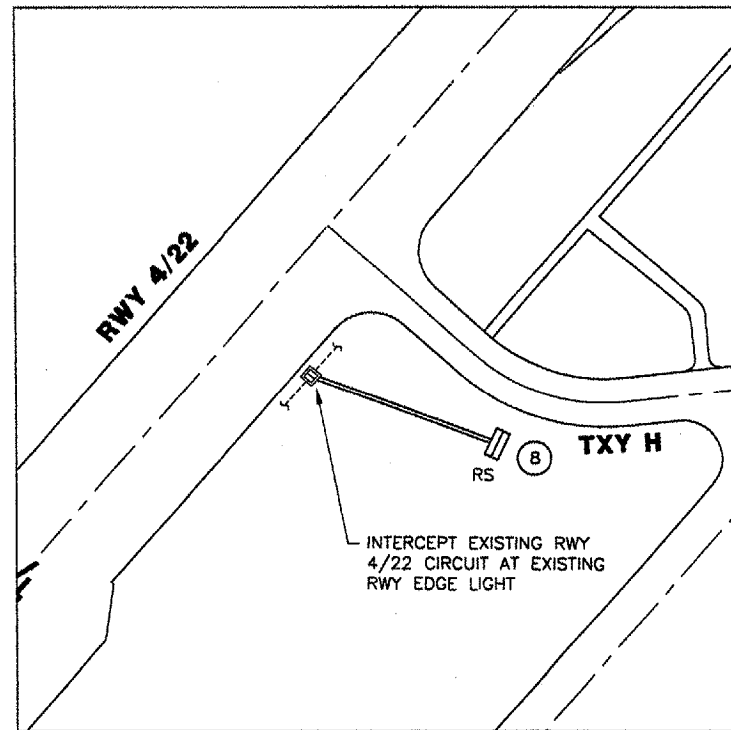
**WIDEN TAXIWAY F  
 LIGHTING PLAN 1**

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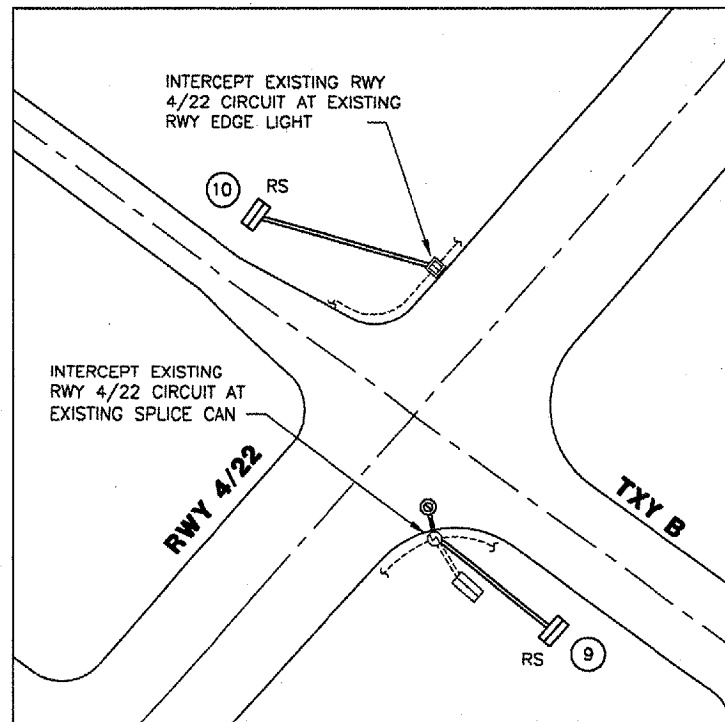
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DATE:	AUGUST 07, 2007
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AIP PROJ. NO. 3-17-0096-XX	
SHEET 22 OF 31 SHEETS	



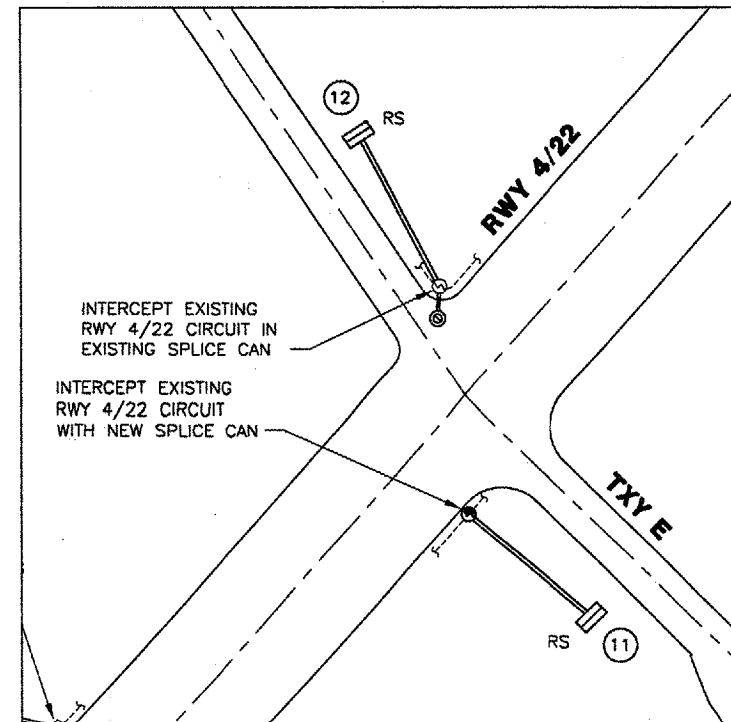
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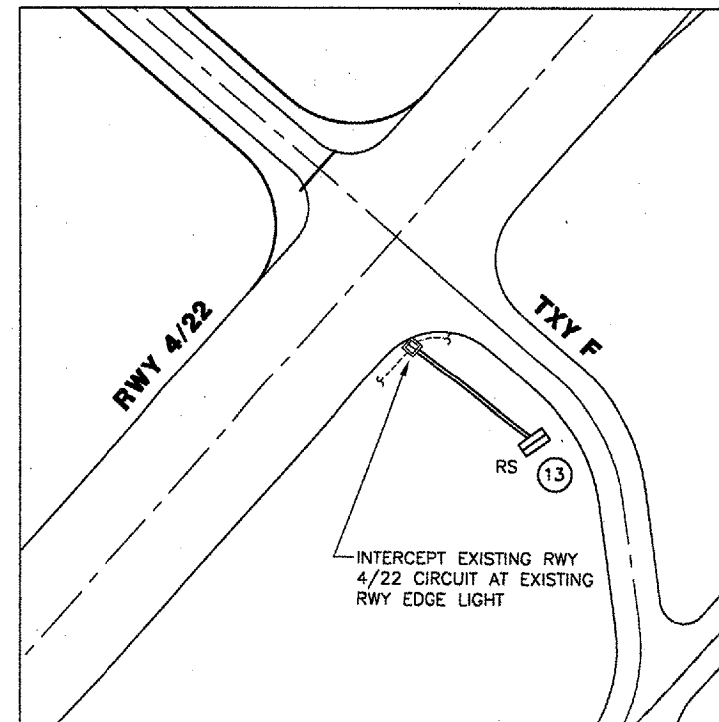
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TXY B



TXY E



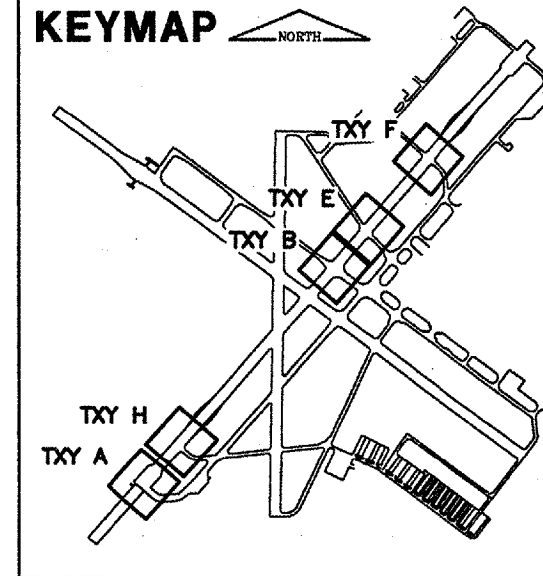
TXY F

**LEGEND**

- EXISTING RUNWAY EDGE LIGHT
- EXISTING IN-PAVEMENT LIGHT
- EXISTING SPLICE CAN
- NEW SPLICE CAN
- EXISTING GUIDANCE SIGN
- EXISTING RUNWAY CIRCUIT
- NEW 1/C #B 5KV CABLE IN UNIT DUCT
- REPLACE GUIDANCE SIGN

**NOTES:**

1. EXISTING SIGNS ARE LUMACURVE SIGNS.
2. SEE SIGNAGE SCHEDULE ON "AIRFIELD SIGNAGE DETAILS" SHEET.
3. THE WORK ON THIS SHEET SHALL TAKE PLACE DURING THE SCHEDULED RUNWAY CLOSURE AS SHOWN IN THE CONSTRUCTION ACTIVITY PLAN.



K:\Springfield\0703502\_SPL\_TXY\_F\Draw\Sheets  
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 PLOT DATE: 8/3/2007 1:30 PM  
 PROP-ELEC  
 SPI-BASE  
 surveytopo  
 Capital\_Base  
 BASE\_PROPGEO

**REVISIONS**

NUMBER	BY	DATE

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 THIS BAR IS EQUAL TO 2"  
 AT FULL SCALE (34X22).

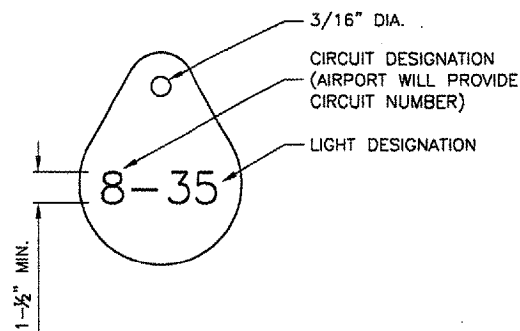
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WIDEN TAXIWAY F  
 LIGHTING PLAN 2

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JOB No:	07035-02-00
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SHEET 23 OF 31 SHEETS	

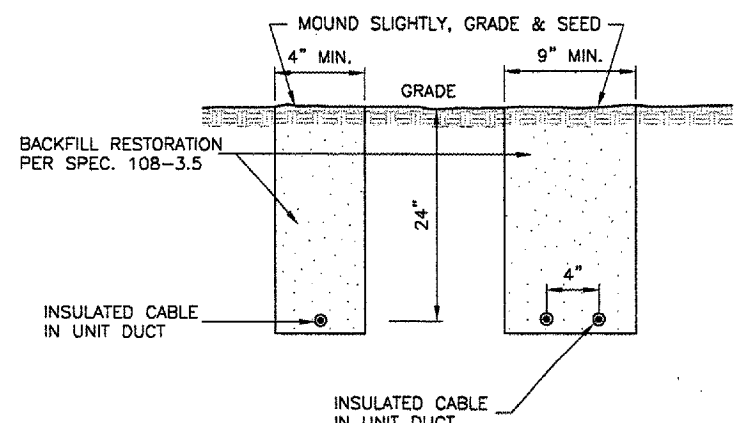


**LIGHT IDENTIFICATION DETAIL**

N.T.S.

**NOTES**

1. INSTALL A NONCORROSIVE DISC OF 2" MINIMUM DIAMETER WITH THE NUMBER PERMANENTLY STAMPED, CUT OUT, OR ENGRAVED UNDER THE HEAD OF THE BASE PLATE BOLT OR ATTACHED TO LIGHT FLANGE WITH SET SCREW.
2. LEGENDS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR TO COORDINATE LEGEND WITH AIRPORT.
3. THE CONTRACTOR SHALL NUMBER THE EXISTING/PROPOSED LIGHTS AND SIGNS IN EACH CIRCUIT STARTING AT THE HOMERUN CONTINUING AROUND THE ENTIRE CIRCUIT BACK TO THE HOMERUN.
4. AIRFIELD SIGNS SHALL BE TAGGED & NUMBERED.



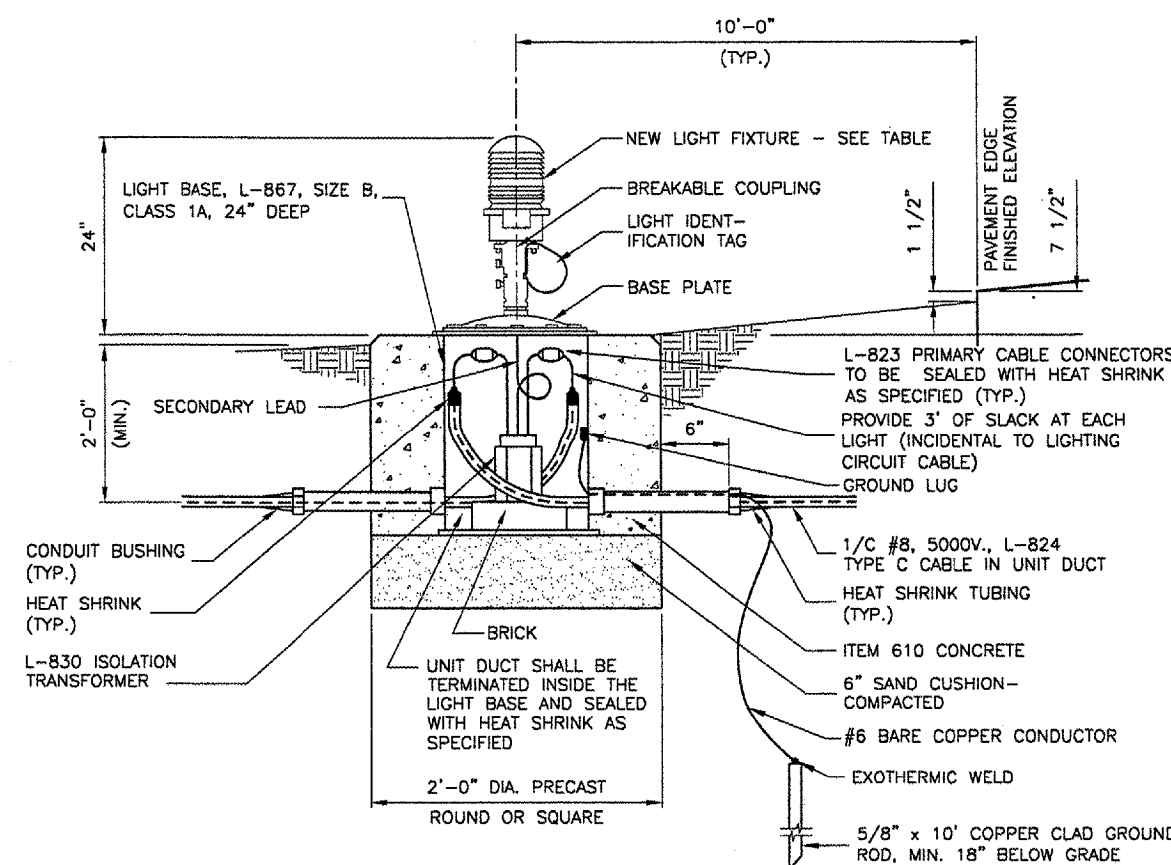
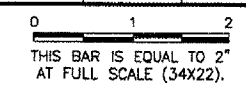
**TRENCH DETAIL**

N.T.S.

**NOTES**

1. TRENCHES WITH MORE THAN 2 CABLES SHALL BE INCREASED 3" IN WIDTH FOR EACH ADDITIONAL CABLE. IF SPECIFIED ON PLANS, TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.
2. DEPTH OF TRENCHES SHALL BE AS SHOWN ABOVE UNLESS OTHERWISE SPECIFIED ON THE PLANS.
3. SAND BACKFILL SHALL BE USED IF THE EXISTING SOIL DOES NOT MEET THE BACKFILL REQUIREMENTS.
4. ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST IS INCIDENTAL TO ITEM 108.

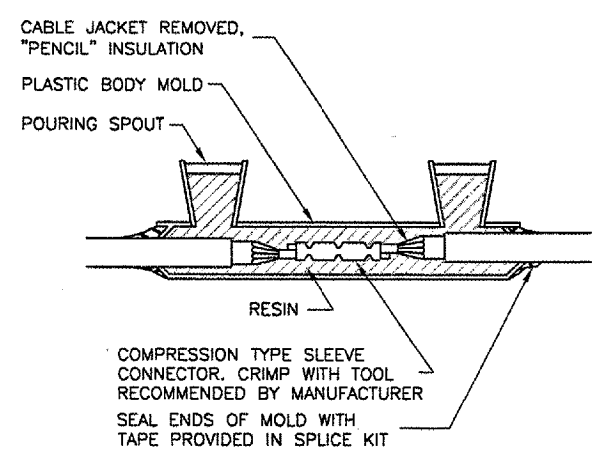
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**NEW BASE MOUNTED EDGE LIGHT**

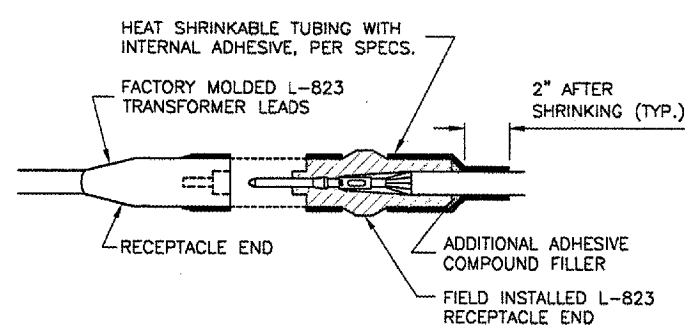
N.T.S.

FAA LIGHT FIXTURE TYPE	LAMP WATTAGE	LAMP DESCRIPTION	TRANSFORMER TYPE	TRANSFORMER PRI/SEC	HEIGHT
L-861-T	30-45	INCAN. 6.6A	L-830	6.6A/6.6A	24"



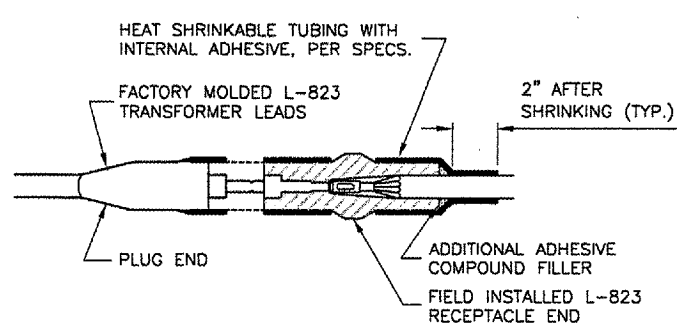
**TYPE A**

FOR IN-LINE CONNECTIONS OF EXISTING CABLES CUT DURING CONSTRUCTION.



**TYPE C**

FOR SPLICES AT TAXIWAY LIGHTS AND SIGNS.



**TYPE D**

FOR SPLICES AT TAXIWAY LIGHTS AND SIGNS.

**NOTES**

1. INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE.
2. THE COST OF FURNISHING AND INSTALLING ALL SPLICE MATERIALS SHALL BE INCIDENTAL TO THE ASSOCIATED CABLE ITEMS.
3. THE CONTRACTOR SHALL HAVE A MINIMUM OF TWO (2) TYPE A SPLICE KITS ON THE JOB SITE AT ALL TIMES FOR EMERGENCY REPAIRS.

**CABLE SPLICES**

N.T.S.



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WIDEN TAXIWAY F

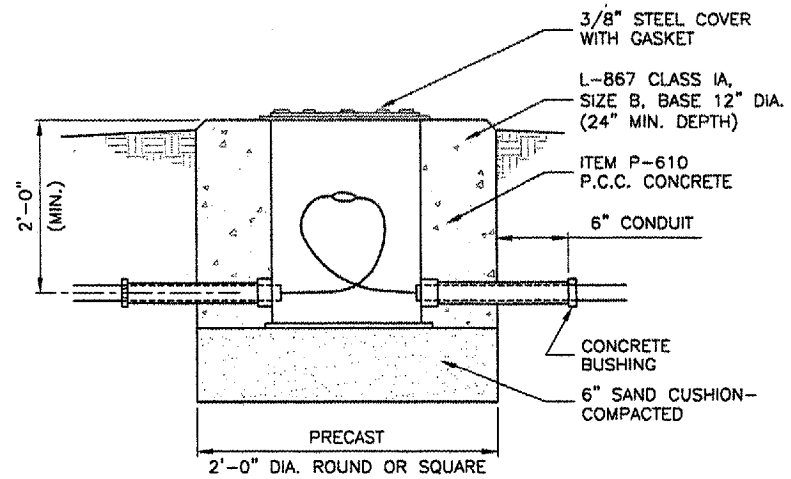
ELECTRICAL DETAILS 1

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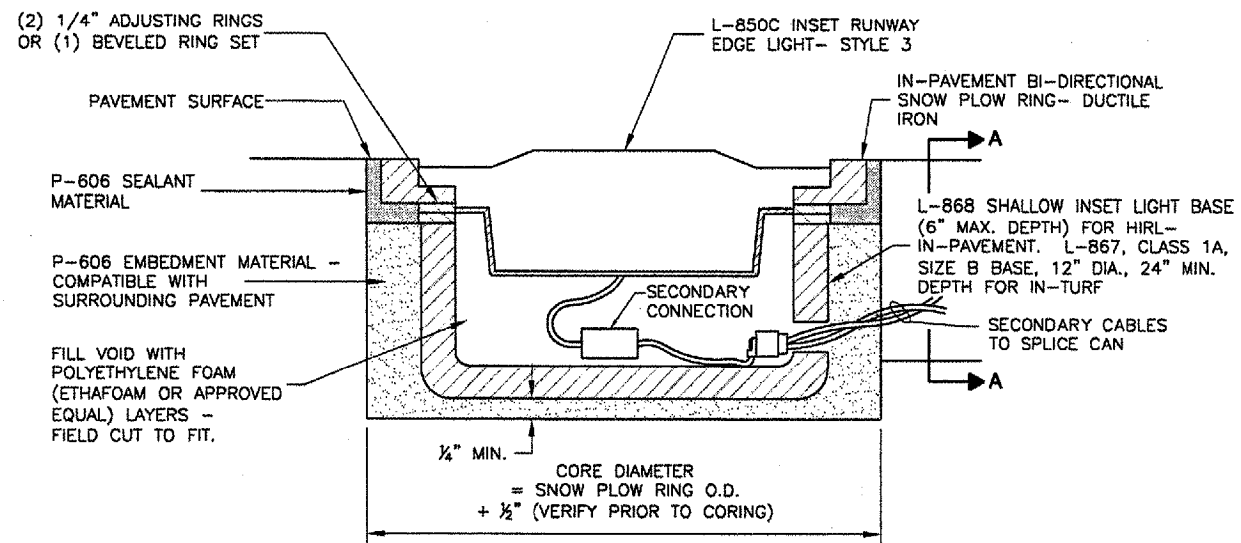
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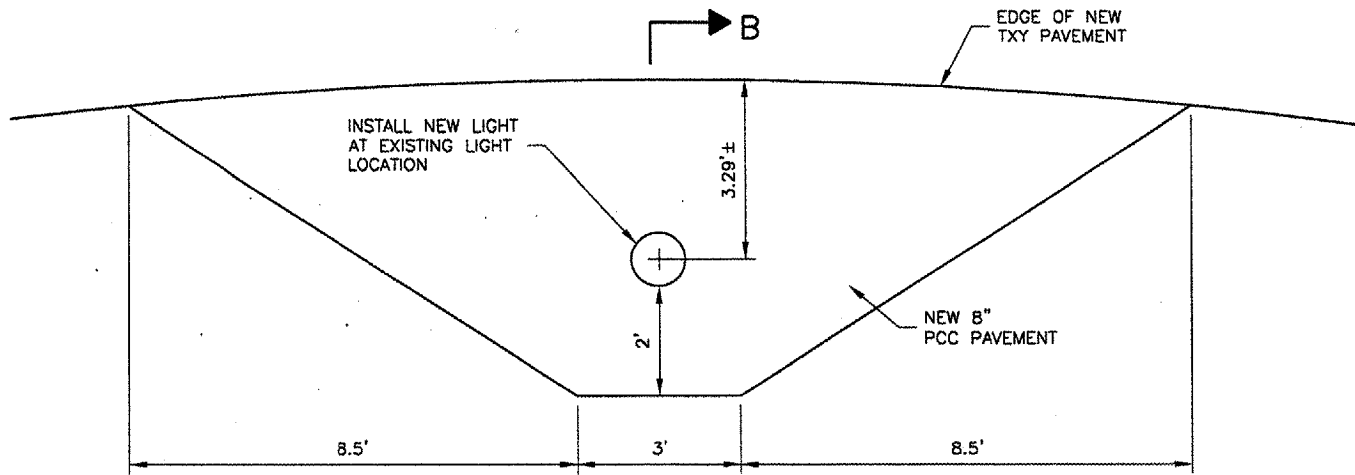
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JOB No:	07035-02-00



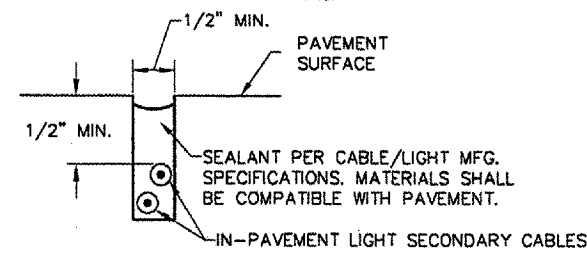
**SPLICE CAN DETAIL**  
N.T.S.



**NEW IN-PAVEMENT LIGHT**  
N.T.S.

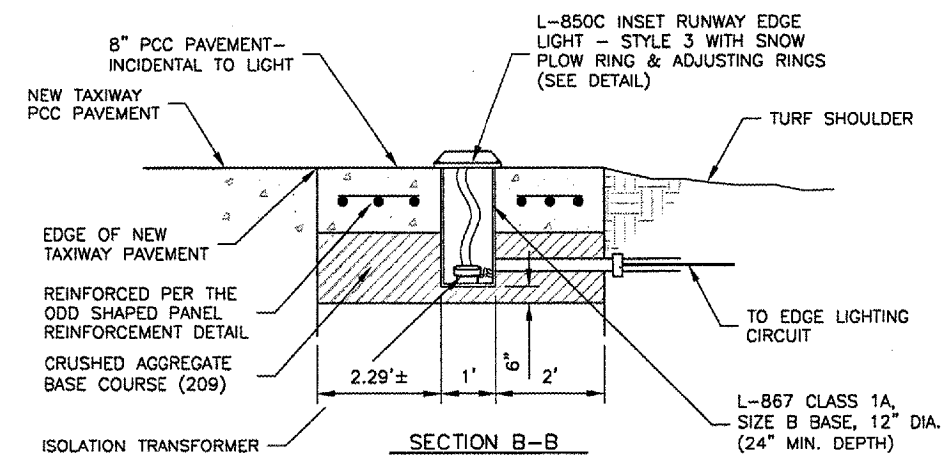


**PLAN VIEW**

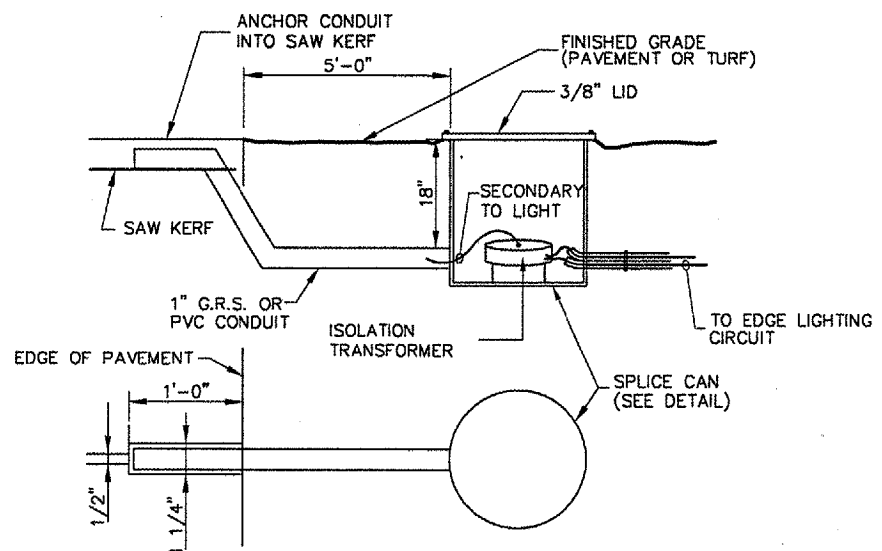


**SECTION A-A**  
**SAW KERF DETAIL**  
N.T.S.

**NOTE:**  
SAW KERF SHALL UTILIZE PCC PAVEMENT JOINTS WHERE APPLICABLE. SAW KERF LOCATIONS SHALL BE APPROVED BY THE AIRPORT PRIOR TO START OF INSTALLATION OPERATIONS.



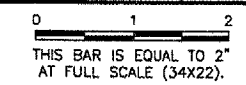
**SEMI-FLUSH RUNWAY LIGHT IN TURF**  
N.T.S.



**SPlice CAN LOCATION FOR IN-PAVEMENT LIGHT DETAIL**  
N.T.S.

**IN-PAVEMENT RUNWAY EDGE LIGHT DETAIL**  
N.T.S.

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NUMBER	BY	DATE

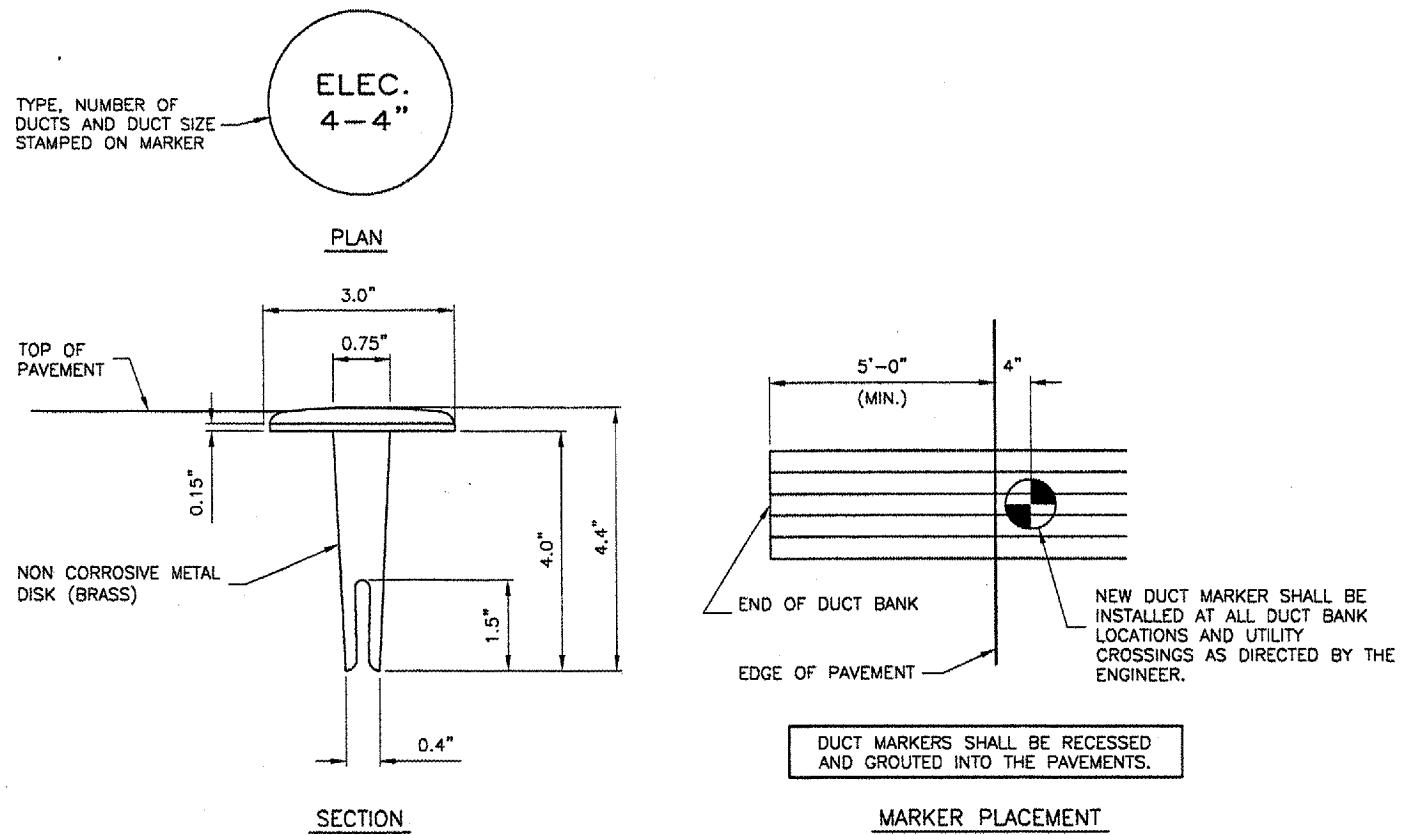


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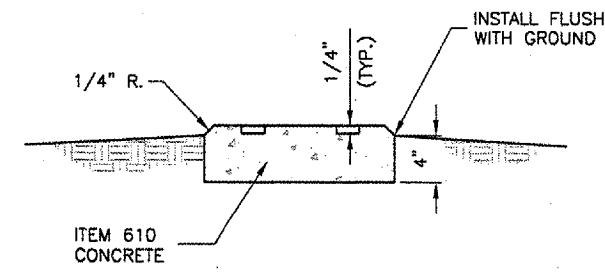
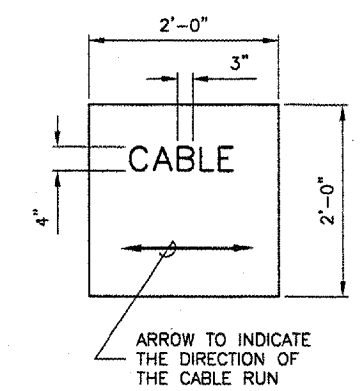
WIDEN TAXIWAY F  
 ELECTRICAL DETAILS 2

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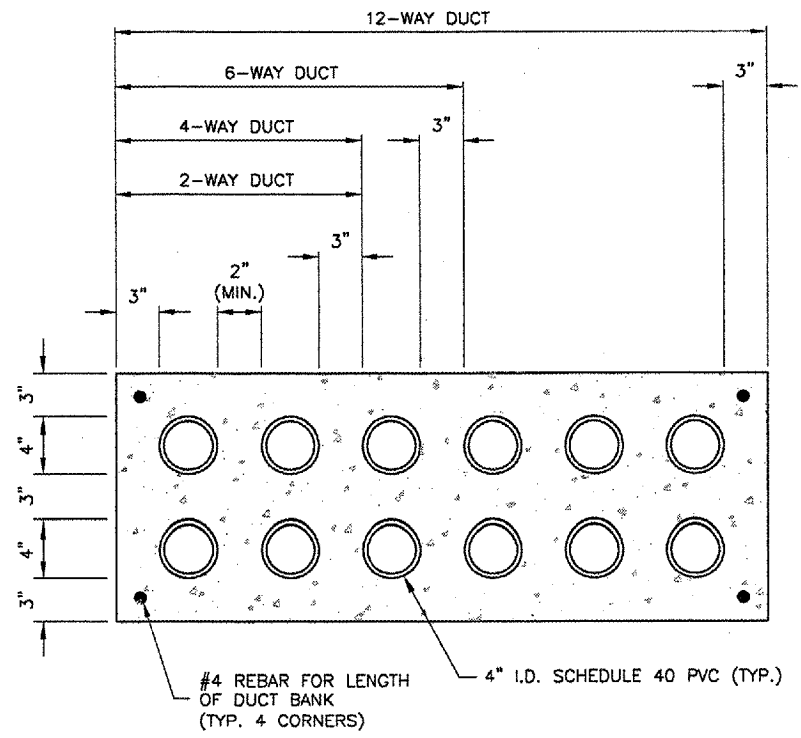


DUCT MARKER DETAILS  
 N.T.S.



TURF CABLE / SPLICE MARKER  
 N.T.S.

- NOTES
- CABLE MARKERS SHALL BE INSTALLED AT ALL BENDS AND EVERY 200' ALONG THE HOMERUN.
  - ITEM 610 CONCRETE SHALL BE USED.
  - ALL EXPOSED EDGES SHALL BE EDGED WITH A 1/4" RADIUS TOOL.
  - THE COST OF FURNISHING AND INSTALLING NEW MARKERS SHALL BE INCIDENTAL TO THE ASSOCIATED ITEMS.
  - A MARKER CONFORMING TO THIS DETAIL MARKED "SPLICE" SHALL BE INSTALLED AT ALL SPLICE LOCATIONS NOT IN LIGHT CANS OR MANHOLES.

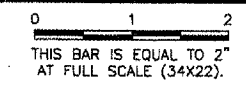



DUCT BANK DETAIL  
 N.T.S.

- NOTES
- DIMENSIONS SHOWN ARE MINIMUM.
  - TOP OF CONCRETE ENCASUREMENT TO BE NOT LESS THAN 18" BELOW FINISHED SUBGRADE.
  - DUCT CONCRETE SHALL BE ITEM 610 STRUCTURAL P.C.C. CONCRETE.
  - ALL DUCT SHALL BE 4" INSIDE DIAMETER.
  - LOCATIONS SHOWN ARE APPROXIMATE. DUCT BANKS SHALL BE INSTALLED AT LOCATIONS DESIGNATED BY THE ENGINEER.
  - CONTRACTOR SHALL INSTALL DUCT BANKS AT A DEPTH WHICH WILL NOT CONFLICT WITH ELEVATION SENSITIVE UTILITIES.
  - A PULL WIRE SHALL BE PROVIDED IN EACH UNUSED CONDUIT. UNUSED DUCT SHALL BE SEALED WITH PVC PLUGS/CAPS TO THE SATISFACTION OF THE ENGINEER.
  - DUCT BANKS SHALL EXTEND A MINIMUM OF 5' BEYOND THE NEW EDGE OF PAVEMENT.

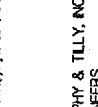
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**SPRINGFIELD, ILLINOIS**

**WIDEN TAXIWAY F**  
**ELECTRICAL DETAILS 3**

  
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DATE:	AUGUST 07, 2007
JOB No:	07035-02-00

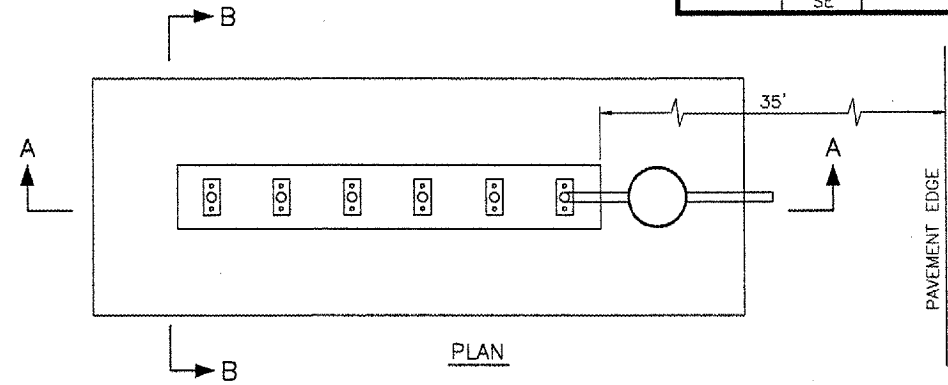
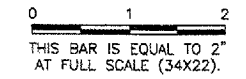


# SIGNAGE SCHEDULE

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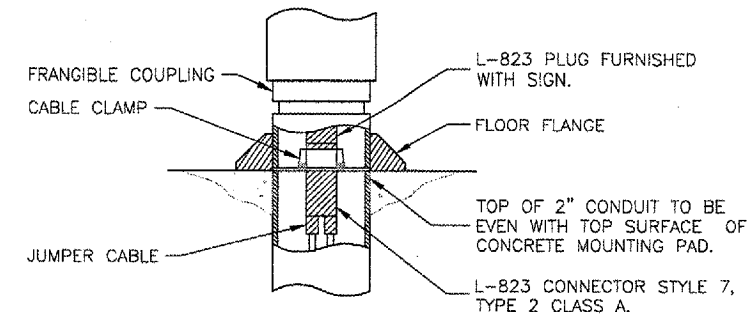
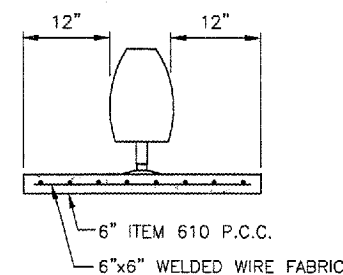
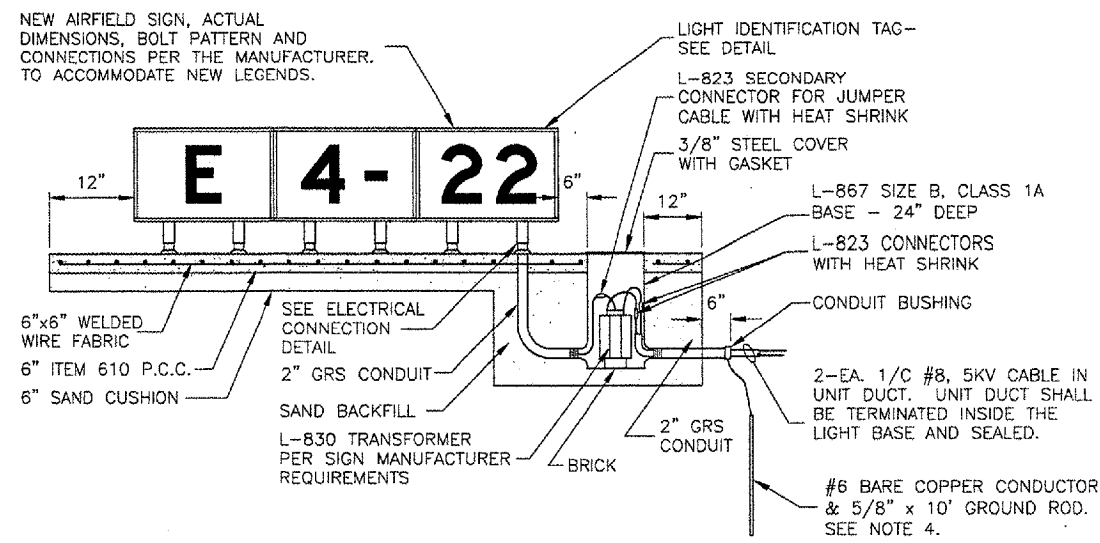
SIGN #	SIDE	NEW SIGN LEGEND	WHITE WITH BLACK OUTLINE ON RED BACKGROUND	BLACK LEGEND ON YELLOW BACKGROUND	YELLOW LEGEND ON BLACK BACKGROUND	# OF DIGITS	NEW POWER CIRCUIT	NOTES
1	NE	F →		F →		2	TTY F	NEW SIGN
2	SW	← F		← F		2	TTY F	NEW SIGN
3	NW	F 22-4	22-4		F	5	RWY 4/22	NEW SIGN
	SE	← F		← F	F			
4	NE	← F G		← F	G	3	TTY F	NEW SIGN
	SW	22 ↑		22 ↑				
5	SE	F ← G →		← G →	F	4	TTY F	NEW SIGN
	NW	F			F			
6	SW	G F →		F →	G	3	TTY F	NEW SIGN
	NE	G			G			
7	NW	≡≡≡ A		≡≡≡	A	2	RWY 4/22	REPLACE GUIDANCE SIGN
	SE	A 4	4		A			
8	NW	≡≡≡ H		≡≡≡	H	5	RWY 4/22	REPLACE GUIDANCE SIGN
	SE	H 4-22	4-22		H			
9	NW	≡≡≡ B		≡≡≡	B	5	RWY 4/22	REPLACE GUIDANCE SIGN
	SE	B 4-22	4-22		B			
10	NW	≡≡≡ B 22-4	22-4		B	5	RWY 4/22	REPLACE GUIDANCE SIGN
	SE	≡≡≡ B		≡≡≡	B			
11	NW	≡≡≡ E		≡≡≡	E	5	RWY 4/22	REPLACE GUIDANCE SIGN
	SE	E 4-22	4-22		E			
12	NW	E 22-4	22-4		E	5	RWY 4/22	REPLACE GUIDANCE SIGN
	SE	≡≡≡ 18 ↑		≡≡≡ 18 ↑				
13	NW	≡≡≡ F		≡≡≡	F	5	RWY 4/22	REPLACE GUIDANCE SIGN
	SE	F 4-22	4-22		F			

REVISIONS		
NUMBER	BY	DATE



### AIRFIELD SIGNAGE NOTES

- SIGN SCHEDULE IS SUBJECT TO FAA APPROVAL OF THE SIGNAGE PLAN.
  - CHANGES TO NEW LEGENDS MAY OCCUR SUBJECT TO 1 ABOVE.
  - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH NEW LEGENDS FOR APPROVAL PRIOR TO STARTING MANUFACTURE.
  - EXISTING SIGNS ARE LUMACURVE.
- RUNWAY 4/22 CIRCUIT IS 20.0 A PRI/6.5 A SEC.




SECTION A-A  
**L-858 AIRFIELD SIGN DETAILS**  
 N.T.S.


SECTION B-B

**ELECTRICAL CONNECTION DETAIL**  
 N.T.S.

- NOTES
- TRANSFORMER WATTAGE SHALL BE AS REQUIRED BY SIGN MANUFACTURER.
  - SIGN LEGEND SHALL BE AS SHOWN IN THE PLANS.
  - SIGNS SHALL BE SIZE 2, STYLE 2 OR 3, CLASS 2.
  - SEE "NEW BASE MOUNTED EDGE LIGHT" DETAIL FOR GROUNDING DETAILS.

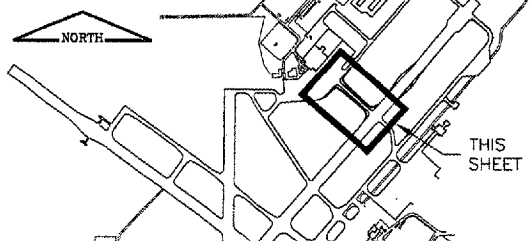
  
**SPRINGFIELD AIRPORT AUTHORITY**  
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**SPRINGFIELD, ILLINOIS**

**WIDEN TAXIWAY F**  
**AIRFIELD SIGNAGE DETAILS**

  
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 AIP PROJ. NO. 3-17-0096-XX  
 SHEET 27 OF 31 SHEETS

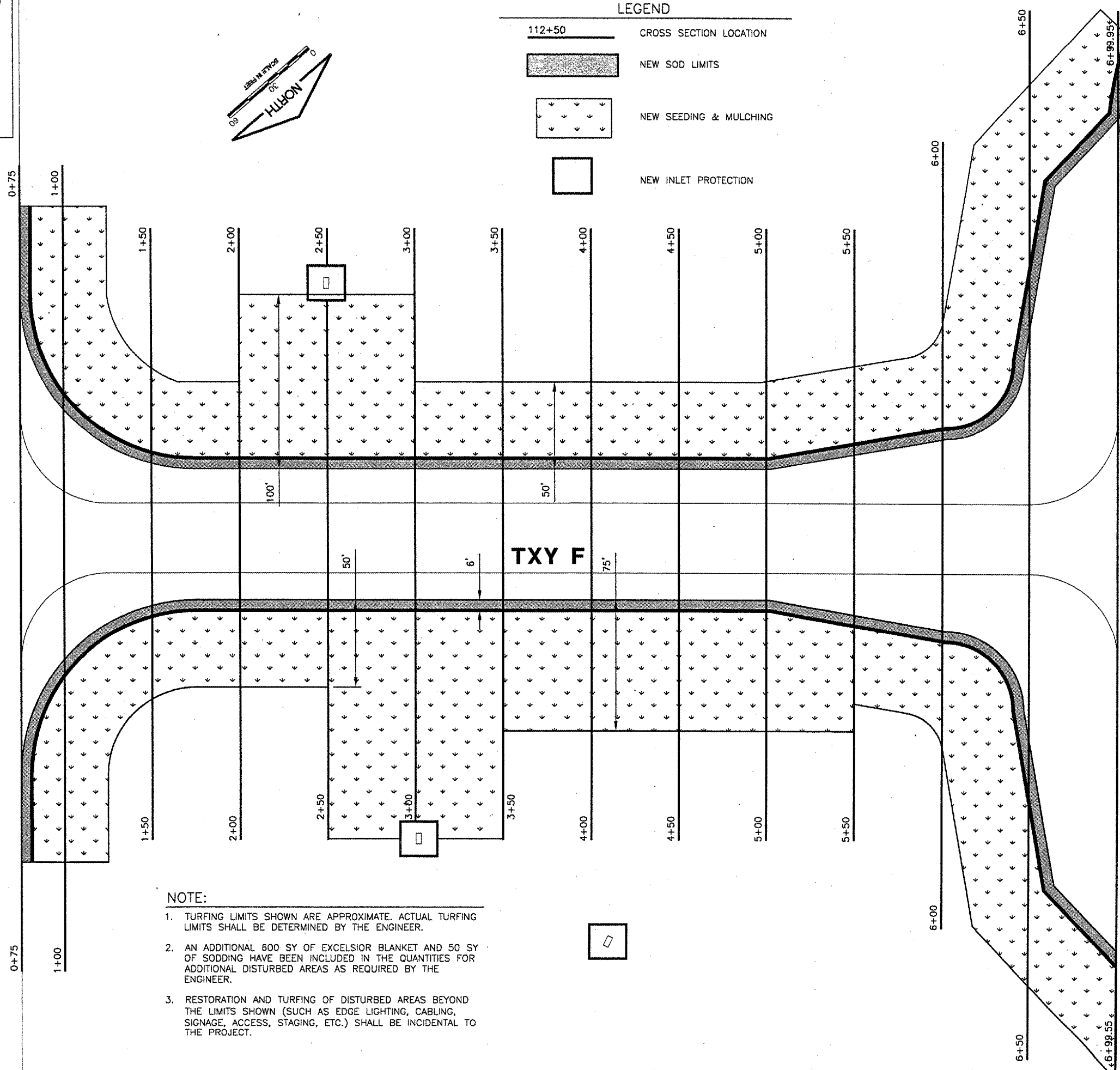
**KEYMAP**



**LEGEND**

- 112+50 ——— CROSS SECTION LOCATION
- [Hatched Area] NEW SOD LIMITS
- [Area with Arrows] NEW SEEDING & MULCHING
- [Square] NEW INLET PROTECTION

**RUNWAY 4/22**



**NOTE:**

1. TURFING LIMITS SHOWN ARE APPROXIMATE. ACTUAL TURFING LIMITS SHALL BE DETERMINED BY THE ENGINEER.
2. AN ADDITIONAL 600 SY OF EXCELSIOR BLANKET AND 50 SY OF SODDING HAVE BEEN INCLUDED IN THE QUANTITIES FOR ADDITIONAL DISTURBED AREAS AS REQUIRED BY THE ENGINEER.
3. RESTORATION AND TURFING OF DISTURBED AREAS BEYOND THE LIMITS SHOWN (SUCH AS EDGE LIGHTING, CABLING, SIGNAGE, ACCESS, STAGING, ETC.) SHALL BE INCIDENTAL TO THE PROJECT.

**CA004**  
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 PLOT DATE: 8/3/2007 1:27 PM  
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 KEY  
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 SPI\_LOGO  
 BASE\_PROPTURF  
 surveytopo  
 BASE\_EXISTSTOPO

**REVISIONS**

NUMBER	BY	DATE

0 1 2  
 THIS BAR IS EQUAL TO 2' AT FULL SCALE (34X22).

**TAXIWAY G**

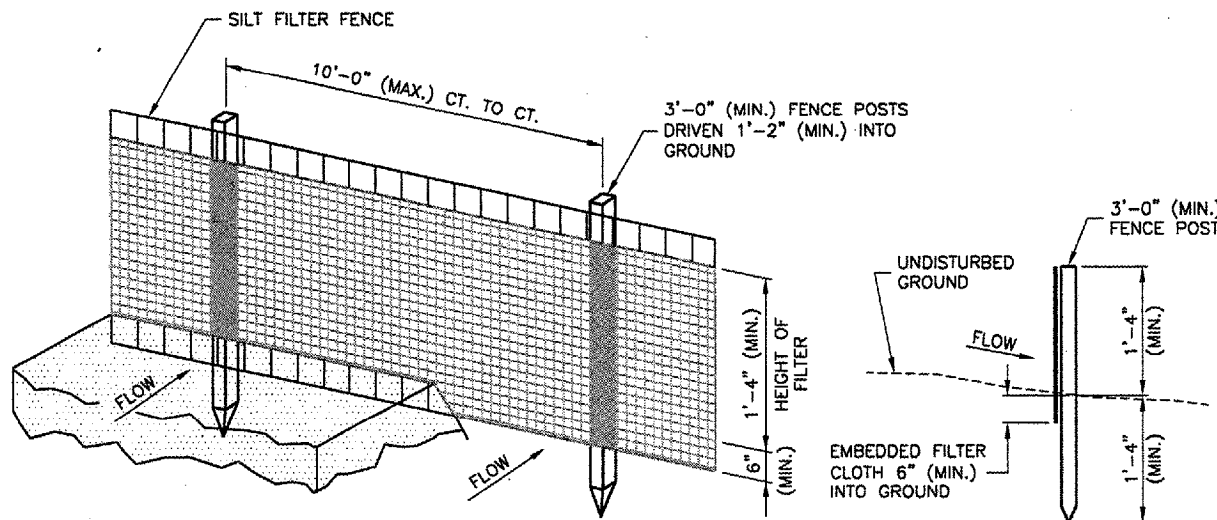


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**WIDEN TAXIWAY F  
 INDEX TO CROSS SECTIONS  
 AND TURFING PLAN**

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AIP PROJ. NO. 3-17-0096-XX	
SHEET 28 OF 31 SHEETS	



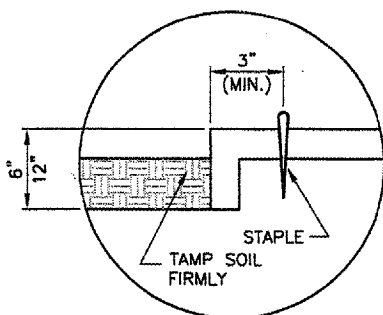
**PERSPECTIVE VIEW**

**EROSION CONTROL FABRIC FENCE DETAIL**  
 N.T.S.

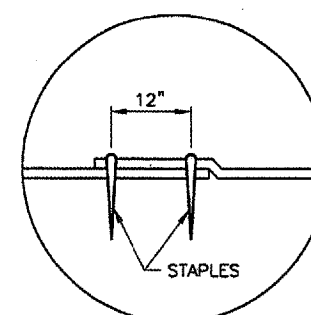
**SECTION**

**NOTES**

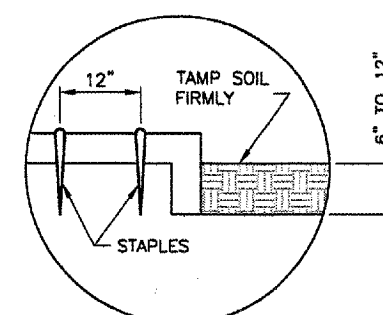
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 2'-0" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" MINIMUM AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. MAINTENANCE, WHICH INCLUDES THE REPLACEMENT OF DAMAGED FENCE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE EROSION CONTROL FENCE.



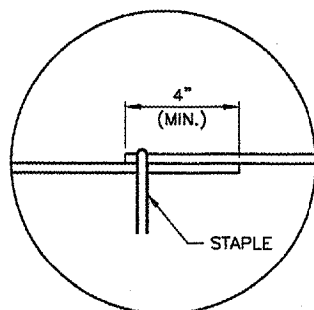
**DETAIL 1 - TERMINAL FOLD**



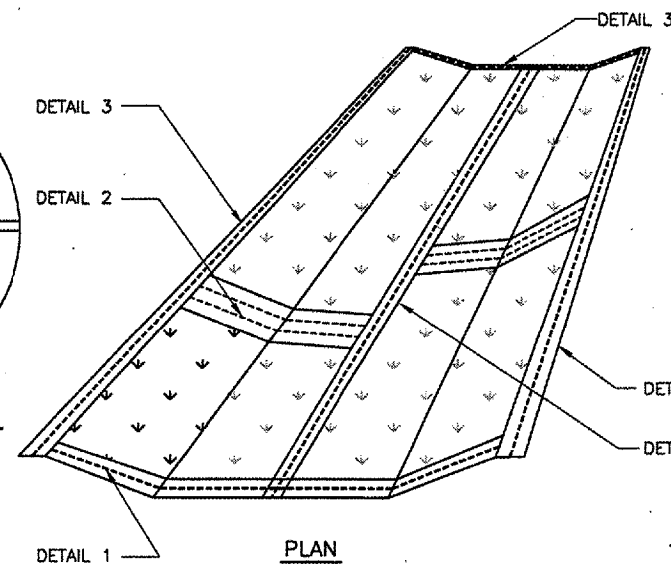
**DETAIL 2 - JUNCTION SLOT**



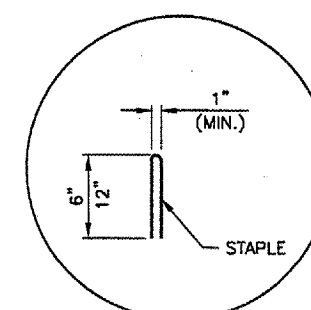
**DETAIL 3 - ANCHOR SLOT**



**DETAIL 4 - LAP JOINT**



**EXCELSIOR BLANKET DETAILS**  
 N.T.S.



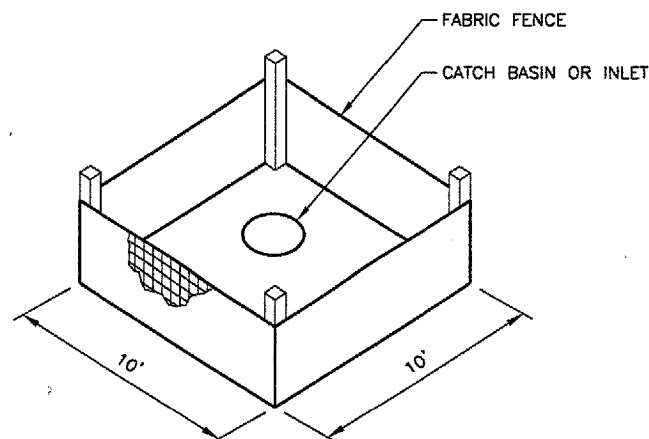
**DETAIL 5 - STAPLE DETAIL**

**NOTES**

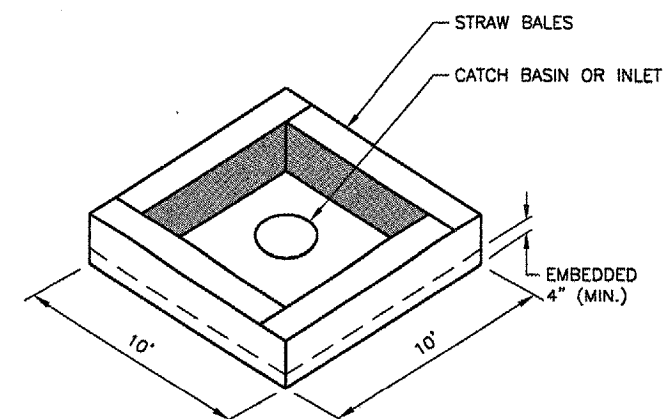
1. STAPLES TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART.
2. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
3. ALL TERMINALS ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

**EARTHWORK SUMMARY**

STATION	EXCAVATE END AREA (S.F.)	EMBANK END AREA (S.F.)
0+75	220.18	0.00
1+00	92.15	31.96
1+50	56.06	0.76
2+00	66.40	0.11
2+50	78.49	0.00
3+00	76.24	0.00
3+50	71.12	0.31
4+00	62.67	12.97
4+50	65.18	19.81
5+00	65.65	24.29
5+50	77.29	11.11
6+00	99.29	0.10
6+50	196.33	11.18
6+99.55	533.81	0.00



**INLET PROTECTION WITH FABRIC**  
 N.T.S.



**INLET PROTECTION WITH STRAW BALES**  
 N.T.S.

**REVISIONS**

NUMBER	BY	DATE

0 1 2  
 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

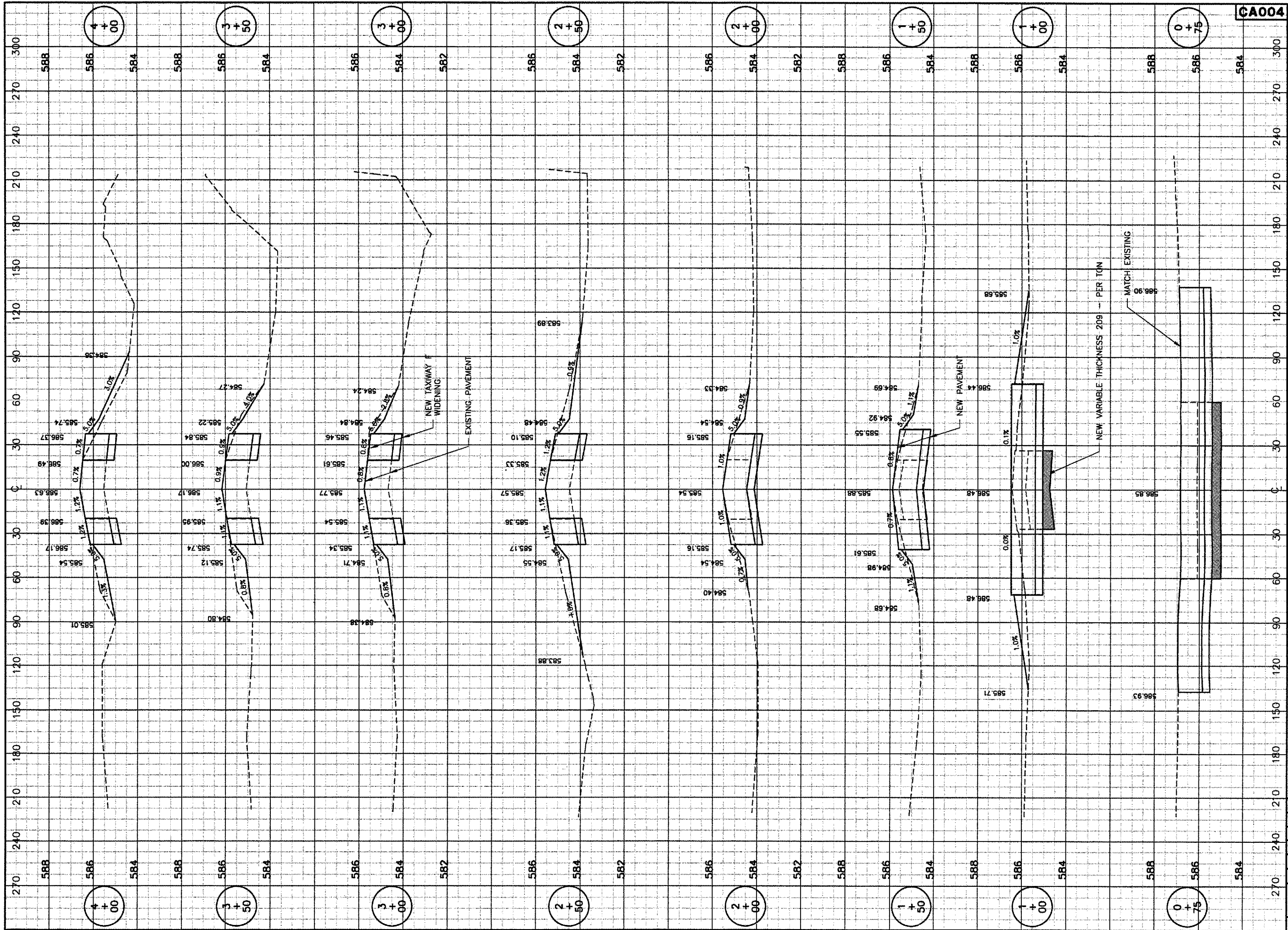
**SPRINGFIELD AIRPORT AUTHORITY**  
**ABRAHAM LINCOLN CAPITAL AIRPORT**  
**SPRINGFIELD, ILLINOIS**

**WIDEN TAXIWAY F**  
**EROSION CONTROL DETAILS**  
**& EARTHWORK SUMMARY**

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 DRAWN BY: CMT  
 CHECKED BY: RLV  
 APPROVED BY: RLV  
 DATE: AUGUST 07, 2007  
 JOB No: 07035-02-00

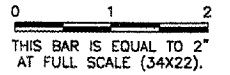
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 AIP PROJ. NO. 3-17-0096-XX



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 PLOT DATE: 8/3/2007 1:43 PM  
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REVISIONS

NUMBER	BY	DATE



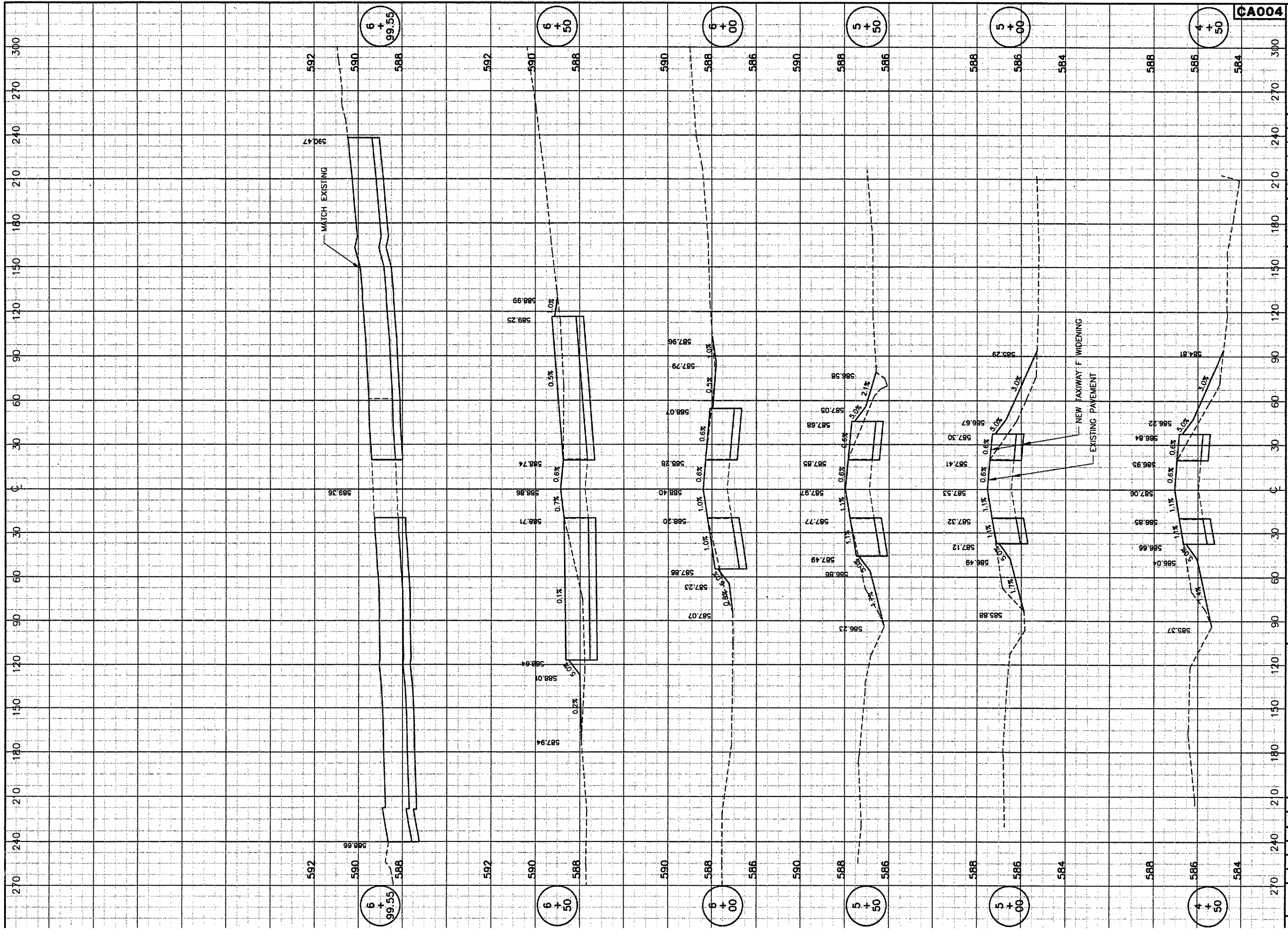
SPRINGFIELD AIRPORT AUTHORITY  
 ABRAHAM LINCOLN CAPITAL AIRPORT  
 SPRINGFIELD, ILLINOIS

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WIDEN TAXIWAY F  
 CROSS SECTIONS 1  
 STA. 0+75 TO STA. 4+00

DESIGN BY:	RLV
DRAWN BY:	CMT
CHECKED BY:	RW
APPROVED BY:	RW
DATE:	AUGUST 07, 2007
JOB No:	07035-02-00





**CA004**  
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 PLOT DATE: 8/3/2007 1:27 PM  
 SPL\_LOGO  
 rc004001

REVISIONS		
NUMBER	BY	DATE

0 1 2  
 THIS BAR IS EQUAL TO 2"  
 AT FULL SCALE (34x22).



**SPRINGFIELD AIRPORT AUTHORITY**  
**ABRAHAM LINCOLN CAPITAL AIRPORT**  
**SPRINGFIELD, ILLINOIS**

**WIDEN TAXIWAY F**  
**CROSS SECTIONS 2**  
**STA. 4+50 TO STA. 6+99.55**

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CHECKED BY:	RLV
APPROVED BY:	RLV
DATE:	AUGUST 07, 2007
JOB No:	07035-02-00

IL PROJ. NO. SPI-3711  
 AIP PROJ. NO. 3-17-0096-XX