

ITEM 33A
 JUNE 14, 2013 LETTING

TOTAL SHEETS: 47
 CA015

CONSTRUCTION PLANS FOR ABRAHAM LINCOLN CAPITAL AIRPORT

SPRINGFIELD AIRPORT AUTHORITY SPRINGFIELD, ILLINOIS

IL PROJECT SPI-4228
 AIP PROJ. NO. 3-17-0096-XX

MODIFY TAXIWAY B

APRIL 19, 2013

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.

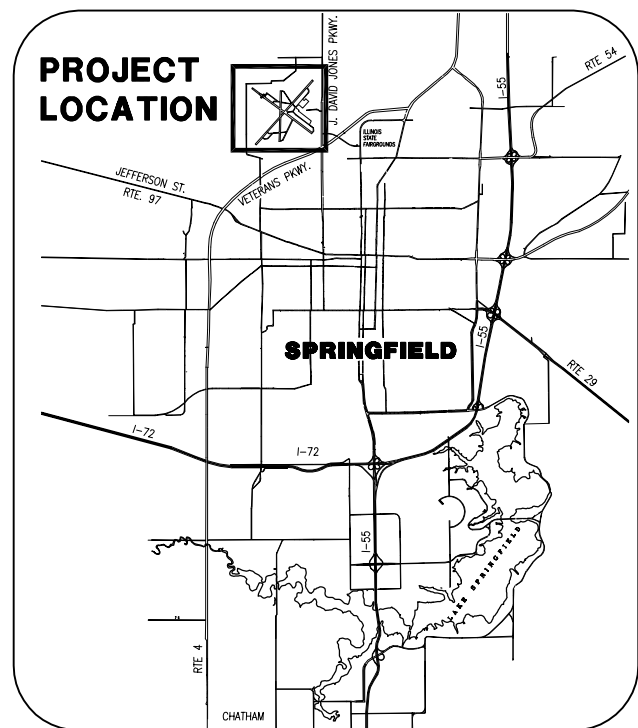
DESIGN INFORMATION

GEOMETRIC CRITERIA
 AIRPLANE DESIGN GROUP III
 AIRCRAFT APPROACH CATEGORY C

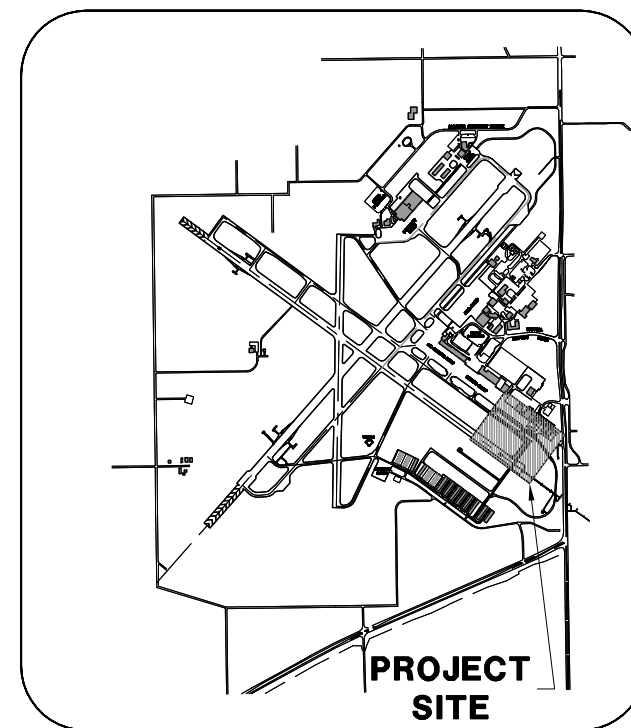
PAVEMENT DESIGN CRITERIA
 AIRCRAFT DUAL WHEEL GEAR
 DEPARTURE WEIGHT = 150,500 LBS
 730 EQUIV. ANNUAL DEPARTURES

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

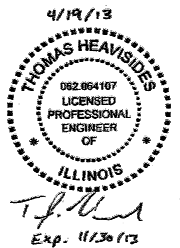
TOWNSHIP: 16 NORTH
 RANGE: 5 WEST OF THE 4TH P.M.
 SECTION: 16
 COUNTY: SANGAMON
 CIVIL TOWNSHIP: CAPITAL



LOCATION MAP



SITE PLAN



ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD AIRPORT AUTHORITY

SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

APPROVED *Mark E. Hann*
 EXECUTIVE DIRECTOR OF AVIATION

DATE 4-19-2013

GMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS

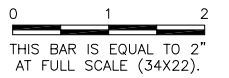
■ SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO

SUBMITTED BY *T. J. Hann*
 DATE 4/19/13

CMT JOB NUMBER: 110350300

CA015

REVISIONS		
NUMBER	BY	DATE



SUMMARY OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
AR108158	1/C #8 5 KV UG CABLE IN UD	LF	3920
AR108706	1/C #6 COUNTERPOISE	LF	2800
AR110014	4" DIRECTIONAL BORE	LF	40
AR110504	4-WAY CONCRETE ENCASED DUCT	LF	220
AR110550	SPLIT DUCT	LF	200
AR110900	REMOVE DUCT	LF	465
AR800293	DUCT MARKER - IN PAVEMENT	EA	8
AR125415	MITL-BASE MOUNTED	EA	42
AR125442	TAXI GUIDANCE SIGN, 2 CHARACTER	EA	1
AR125444	TAXI GUIDANCE SIGN, 4 CHARACTER	EA	2
AR125445	TAXI GUIDANCE SIGN, 5 CHARACTER	EA	1
AR125446	TAXI GUIDANCE SIGN, 6 CHARACTER	EA	2
AR125902	REMOVE BASE MOUNTED LIGHT	EA	35
AR125904	REMOVE TAXI GUIDANCE SIGN	EA	5
AR125906	REMOVE SPLICE CAN	EA	3
AR800354	EROSION CONTROL RING	EA	84
AR150510	ENGINEER'S FIELD OFFICE	LS	1
AR152410	UNCLASSIFIED EXCAVATION	CY	8535
AR156510	SILT FENCE	LF	1850
AR156511	DITCH CHECK	EA	2
AR156520	INLET PROTECTION	EA	8
AR156530	TEMPORARY SEEDING	AC	8
AR209604	CRUSHED AGG. BASE COURSE - 4"	SY	8085
AR209612	CRUSHED AGG. BASE COURSE - 12"	SY	2505
AR401610	BITUMINOUS SURFACE COURSE	TON	2140
AR401630	BITUMINOUS SURFACE TEST SECTION	EA	1
AR401655	BUTT JOINT CONSTRUCTION	SY	325
AR401900	REMOVE BITUMINOUS PAVEMENT	SY	2275
AR401921	REMOVE PAVEMENT	SY	4450
AR403610	BITUMINOUS BASE COURSE	TON	6865
AR403630	BITUMINOUS BASE TEST SECTION	EA	1
AR602510	BITUMINOUS PRIME COAT	GAL	4235
AR603510	BITUMINOUS TACK COAT	GAL	6780
AR620510	PAVEMENT MARKING	SF	21330
AR800270	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	SF	1680
AR910915	REMOVE ROADWAY SIGN	EA	2
AR701518	18" RCP, CLASS IV	LF	65
AR701521	21" RCP, CLASS IV	LF	990
AR701524	24" RCP, CLASS IV	LF	565
AR701900	REMOVE PIPE	LF	1685
AR705524	4" PERFORATED UNDERDRAIN W/ SOCK	LF	1650
AR705544	4" NON PERFORATED UNDERDRAIN	LF	150
AR705635	UNDERDRAIN COLLECTION STRUCTURE	EA	2
AR705640	UNDERDRAIN CLEANOUT	EA	5
AR705900	REMOVE UNDERDRAIN	LF	1250
AR705904	REMOVE UNDERDRAIN CLEANOUT	EA	5
AR751410	INLET	EA	5
AR751427	INLET - 7' x 7'	EA	3
AR751900	REMOVE INLET	EA	7
AR901510	SEEDING	AC	8
AR904510	SODDING	SY	1420
AR908510	MULCHING	AC	8
AR908520	EXCELSIOR BLANKET	SY	1200

INDEX OF SHEETS	
SHEET NO.	SHEET TITLE
01	COVER SHEET
02	INDEX TO SHEETS & SUMMARY OF QUANTITIES
03	SITE PLAN
04	CRITICAL POINTS
05	CONSTRUCTION SAFETY PHASING PLAN NOTES
06	CONSTRUCTION ACTIVITY PLAN - PHASE 1
07	CONSTRUCTION ACTIVITY PLAN - PHASE 2
08	CONSTRUCTION ACTIVITY PLAN NOTES & DETAILS
09	EXISTING CONDITIONS & REMOVALS
10	EXISTING PAVEMENT STRUCTURES
11	PAVEMENT REMOVAL PLAN
12	PROPOSED IMPROVEMENTS
13	TYPICAL SECTIONS 1
14	TYPICAL SECTIONS 2
15	PARALLEL TAXIWAY B PLAN AND PROFILE
16	CONNECTING TAXIWAY B PLAN AND PROFILE
17	PERIMETER ROAD PLAN AND PROFILE
18	STAKING PLAN 1
19	STAKING PLAN 2
20	DRAINAGE PLAN
21	DRAINAGE SCHEDULE
22	DRAINAGE DETAILS
23	INLET DETAILS 1
24	INLET DETAILS 2
25	UNDERDRAIN DETAILS
26	MARKING PLAN
27	MARKING DETAILS 1
28	MARKING DETAILS 2
29	ELECTRICAL & LIGHTING PLAN
30	ELECTRICAL DETAILS 1
31	ELECTRICAL DETAILS 2
32	ELECTRICAL DETAILS 3
33	AIRFIELD SIGNAGE DETAIL
34	TURFING PLAN & INDEX TO CROSS SECTIONS
35	EROSION CONTROL DETAILS
36	TAXIWAY B CROSS SECTIONS SHEET 1
37	TAXIWAY B CROSS SECTIONS SHEET 2
38	TAXIWAY B CROSS SECTIONS SHEET 3
39	TAXIWAY B CROSS SECTIONS SHEET 4
40	CONNECTING TAXIWAY B CROSS SECTIONS 1
41	CONNECTING TAXIWAY B CROSS SECTIONS 2
42	CONNECTING TAXIWAY B CROSS SECTIONS 3
43	CONNECTING TAXIWAY B CROSS SECTIONS 4
44	PERIMETER ROAD CROSS SECTIONS 1
45	PERIMETER ROAD CROSS SECTIONS 2
46	PERIMETER ROAD CROSS SECTIONS 3
47	PERIMETER ROAD CROSS SECTIONS 4



SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

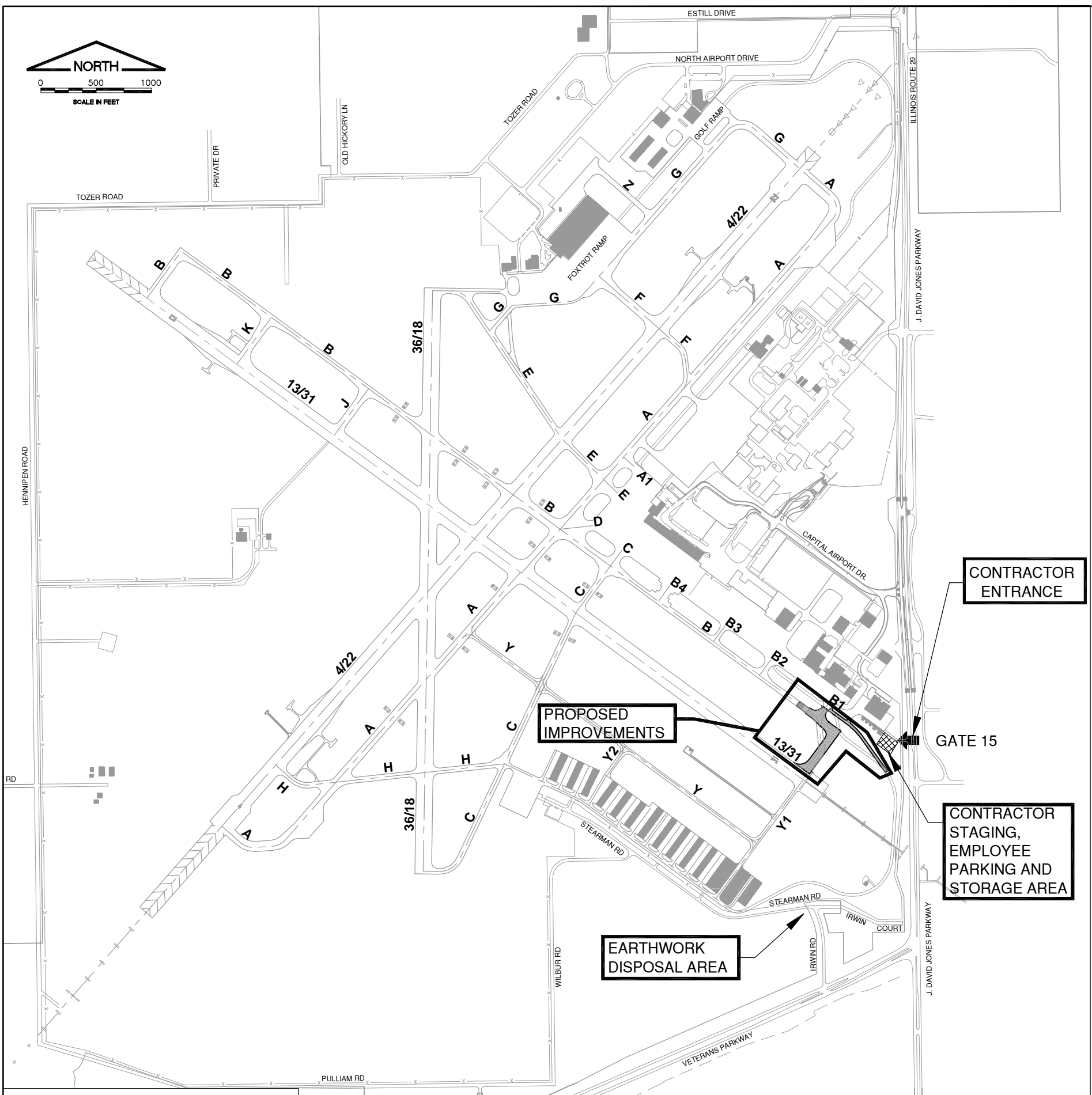
INDEX TO SHEETS & SUMMARY OF QUANTITIES

MODIFY TAXIWAY B

© Copyright CMT, Inc.



DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 02 OF 47 SHEETS	



GROUND CONTROL FREQUENCY - 121.90
 AIR CONTROL FREQUENCY - 121.30
 MAXIMUM HEIGHT OF EQUIPMENT - 25'

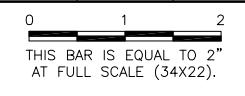
GENERAL NOTES

1. ALL RUNWAYS, TAXIWAYS, AND APRONS SHALL BE KEPT OPEN TO AIRPORT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED IN THE CONSTRUCTION ACTIVITY PLAN.
2. 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.
3. 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.
4. 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.
5. BROKEN ASPHALT AND OR CONCRETE SHALL BE DISPOSED OF BY THE CONTRACTOR OFF OF AIRPORT PROPERTY UNLESS OTHERWISE DIRECTED BY THE AIRPORT.
6. VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED WITHIN 95' FROM THE CENTERLINE OF ACTIVE TAXIWAYS OR 250' FROM THE CENTERLINE OF ACTIVE RUNWAYS.
7. ROADS AND STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED IN KIND TO ORIGINAL CONDITION BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AND THE AIRPORT. NO ADDITIONAL COMPENSATION SHALL BE MADE TO THE CONTRACTOR FOR THIS WORK.
8. 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.
9. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN CONSTRUCTION AREAS WHICH ARE OR WILL BE OPENED TO AIR TRAFFIC.
10. 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.
11. CONTRACTOR'S ACCESS SHALL BE AS FOLLOWS:
 - A. THE CONTRACTOR'S ACCESS TO WORK SHALL BE AS SHOWN IN THE PLANS.
 - B. 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.
 - C. 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, AIRPORT MAINTENANCE SUPERVISOR, AND AIRPORT OPERATIONS. NO ADDITIONAL KEYS ARE TO BE DISTRIBUTED UNLESS AUTHORIZED BY THE RESIDENT ENGINEER.
 - D. 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.
 - E. 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. ANY CONSTRUCTION MODIFICATIONS WITHIN IDOT R.O.W. SHALL REQUIRE THE CONTRACTOR TO OBTAIN A PERMIT.
 - F. 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.
 - G. THE CONTRACTOR SHALL CLOSE AND LOCK THE ACCESS GATE(S) UPON LEAVING THE SITE.
 - H. ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - I. 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.
 - J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING PERIMETER ROAD AND ACTIVE AIRFIELD PAVEMENTS WHICH ARE CROSSED BY HIS VEHICLES.
12.
 - A. EXCESS EARTHWORK SHALL BE DISPOSED AT THE LOCATION SHOWN. FINAL LOCATION OF EARTHWORK SHALL BE DISCUSSED AT TIME OF CONSTRUCTION WITH THE RESIDENT ENGINEER AND THE AIRPORT. SEE TURFING PLAN FOR ADDITIONAL INFORMATION.
 - B. EXCESS EARTHWORK SHALL BE STOCKPILED IN MULTIPLE LAYERS AND SHAPED TO MINIMIZE AREA USED, ADHERING TO SPECIFIED GRADING REQUIREMENTS.
13. FIELD OFFICE LOCATION SHALL BE DETERMINED AT TIME OF CONSTRUCTION BETWEEN THE CONTRACTOR AND THE AIRPORT.

K:\SpringfieldAp\1103503\Draw\Sheets
 FILE: SITE PLAN.dwg
 UPDATE BY: TJ Heavisides
 PLOT DATE: 4/19/2013 12:58 PM
 BASE_PROP_GEO
 SPI-BASE CURRENT GEOMETRY


CA015

REVISIONS		
NUMBER	BY	DATE

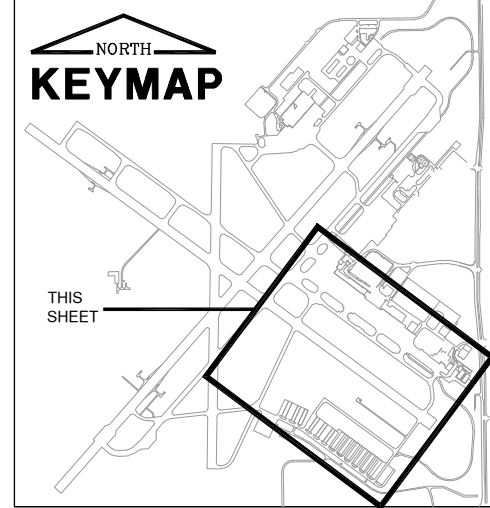
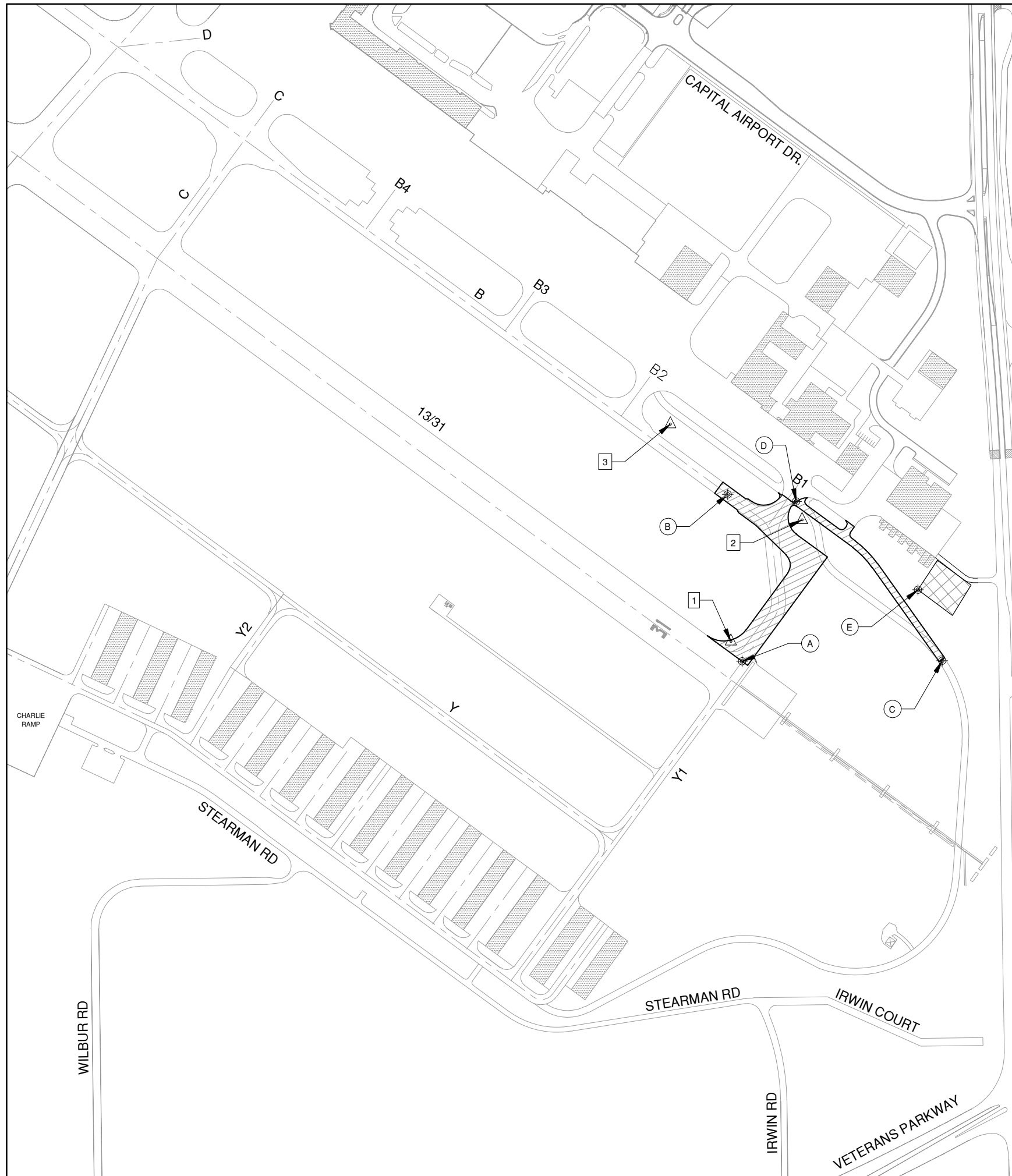



 SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
 SITE PLAN

© Copyright CMT, Inc.

CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

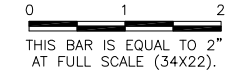
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 03 OF 47 SHEETS	



K:\SpringfieldAp\1103503\Draw\Sheets
 FILE: CRITICAL_POINTS.dwg
 UPDATE BY: TJ Heavisides
 PLOT DATE: 4/19/2013 12:59 PM
 BASE_PROP_GEO
 SPI-BASE CURRENT GEOMETRY
 KEYMAP
 1103503-V-VF3D

CA015

REVISIONS		
NUMBER	BY	DATE



LEGEND

	NEW PAVEMENT
	STAGING AREA
	CRITICAL POINT
	CONTROL POINT

CRITICAL POINTS					
POINT	LATITUDE	LONGITUDE	GROUND ELEVATION	MAXIMUM EQUIPMENT HEIGHT	MAXIMUM ELEVATION
A	N39° 50' 17.62"	W 89° 40' 02.99"	582.3	25'	607.3
B	N39° 50' 23.53"	W 89° 40' 03.60"	584.3	25'	609.3
C	N39° 50' 17.60"	W 89° 39' 53.81"	576.4	25'	601.4
D	N39° 50' 23.26"	W 89° 40' 00.47"	583.6	25'	608.6
E	N39° 50' 20.12"	W 89° 39' 54.91"	577.2	25'	602.2

CONTROL POINTS				
POINT	OBJECT	NORTHING	EASTING	ELEVATION
1	IRON PIN	1155403.9600	2436713.5700	581.46
2	IRON PIN	1155838.0618	2436968.5380	582.88
3	IRON PIN	1156180.8258	2436497.3480	583.04

BASELINE INFORMATION			
BASELINE	STATION	NORTHING	EASTING
TXY B	180+00	1156095.60	2436476.83
TXY B	187+20.18	1155669.30	2437057.30
CONN TXY B	0+00	1155274.81	2436705.55
CONN TXY B	5+26	1155698.90	2437017.00
SE PERIMETER RD	35+00	1155391.17	2437430.89
SE PERIMETER RD	38+00	1155635.65	2437257.03

SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

**MODIFY TAXIWAY B
 CRITICAL POINTS**

© Copyright CMT, Inc.

CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY: TJH
 DRAWN BY: CMT
 CHECKED BY: TJH
 APPROVED BY: RLV
 DATE: APRIL 19, 2013
 JOB No: 110350300
 IL PROJECT SPI-4228
 AIP PROJ. NO. 3-17-0096-XX
 SHEET 04 OF 47 SHEETS

GENERAL

1. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL FOLLOW THE REQUIREMENTS OF THE AIRPORT'S APPROVED CONSTRUCTION SAFETY AND PHASING PLAN (CSPP), FAA AC 150/5370-2F, AND ALL AIRPORT SAFETY AND SECURITY REQUIREMENTS.
2. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE AIRPORT FOR APPROVAL A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) IN ACCORDANCE WITH FAA AC 150/5370-2F. NO CONSTRUCTION ACTIVITY SHALL BEGIN UNTIL THE AIRPORT HAS APPROVED THE SPCD.
3. THE CSPP COVERS OPERATIONAL SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INDIVIDUAL SAFETY OF HIS/HER PERSONNEL AND MEETING OSHA REQUIREMENTS.
4. A MINIMUM OF 10 DAYS PRIOR TO THE PRECONSTRUCTION MEETING THE CONTRACTOR SHALL PROVIDE A LIST OF SUBCONTRACTORS AND MATERIAL SUPPLIERS.
5. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL SIGN THE SWPPP CERTIFICATION STATEMENT.
6. ALL CONTRACTOR COSTS ASSOCIATED WITH THE REQUIREMENTS LISTED ON THIS SHEET SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNLESS A SPECIFIC PAY ITEM IS PROVIDED.

1. COORDINATION

1. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE WITH THE AIRPORT, ENGINEER, AND ILLINOIS DIVISION OF AERONAUTICS (IDA). THE COST OF PREPARING FOR AND ATTENDING THE PRECONSTRUCTION CONFERENCE SHALL BE INCIDENTAL TO THE CONTRACT.
2. ON OR BEFORE THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT A PROPOSED SCHEDULE FOR THE PROJECT. THE SCHEDULE SHALL INCLUDE A START AND COMPLETION DATE FOR EACH ITEM OF WORK. THE SCHEDULE SHALL BE UPDATED ON A WEEKLY BASIS. ALL COSTS ASSOCIATED WITH THE SCHEDULE SHALL BE INCIDENTAL TO THE CONTRACT.
3. DURING CONSTRUCTION THE CONTRACTOR SHALL ATTEND A WEEKLY COORDINATION MEETING WITH THE AIRPORT STAFF AND RESIDENT ENGINEER. ALL COSTS ASSOCIATED WITH ATTENDING THE WEEKLY MEETING SHALL BE INCIDENTAL TO THE CONTRACT.

2. PHASING

1. TOTAL CONTRACT TIME SHALL BE 91 CALENDAR DAYS.
2. PHASING SHALL BE AS NOTED BELOW AND AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN (CAP) SHEETS.

3. AREAS AND OPERATIONS AFFECTED BY THE CONSTRUCTION ACTIVITY

1. ALL RUNWAYS, TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED ON THE PHASING PLAN.
2. 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.
3. ALL CONSTRUCTION TRAFFIC SHALL IMMEDIATELY YIELD TO ONCOMING AIRCRAFT AT ALL TIMES.

4. PROTECTION OF NAVIGATION AIDS (NAVAIDS)

1. THE CONTRACTOR SHALL REMAIN CLEAR OF THE ILS CRITICAL AREAS AND OTHER NAVAIDS FACILITIES AT ALL TIMES.

5. CONTRACTOR ACCESS

1. CONTRACTOR ACCESS SHALL BE AS NOTED BELOW AND AS SHOWN ON THE SITE PLAN AND CONSTRUCTION ACTIVITY PLAN SHEETS.
2. THE CONTRACTOR IS TO ACCESS THE SITE USING THE GATES SHOWN.
3. CERTAIN CONTRACTOR EMPLOYEES SHALL OBTAIN AN AIRPORT IDENTIFICATION BADGE. THIS CONSISTS OF FILLING OUT ALL NECESSARY PAPERWORK, FINGERPRINTING, ATTENDING AND PASSING A TRAINING CLASS CONCERNING SAFETY AND SECURITY AT THE AIRPORT. CONTRACTOR EMPLOYEES MUST MEET CERTAIN BACKGROUND CHECK CRITERIA AND THE CONTRACTOR MUST MAKE CERTAIN CERTIFICATION ABOUT EACH EMPLOYEE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINGERPRINTING COSTS. ALL COSTS ASSOCIATED WITH OBTAINING THE IDENTIFICATION BADGE SHALL BE BORNE BY THE CONTRACTOR.
4. ALL CONTRACTOR EMPLOYEES WHO ARE DESIGNATED AS DRIVERS FOR THE CONTRACTOR WITHIN THE AIRFIELD OPERATIONS AREA (AOA) SHALL ALSO ATTEND AND PASS THE AIRPORT DRIVERS TRAINING PROGRAM. ONLY THOSE INDIVIDUALS WHO RECEIVE THIS DESIGNATION WILL BE PERMITTED TO OPERATE VEHICLES OR EQUIPMENT ON THE AIRPORT. ALL COSTS ASSOCIATED WITH THE DRIVER TRAINING PROGRAM SHALL BE BORNE BY THE CONTRACTOR.
5. DRIVERS OF TRUCKS CONTAINING MATERIAL DELIVERIES (AGGREGATE, CONCRETE, ETC.) NEED NOT OBTAIN AN AIRPORT ID BADGE BUT SHALL BE REQUIRED TO SUBMIT THEIR NAME, DRIVER'S LICENSE NUMBER, TRUCK LICENSE PLATE NUMBER AND NAME OF TRUCKING COMPANY TO THE PRIME CONTRACTOR PRIOR TO ENTERING THE JOBSITE. WHILE INSIDE THE AOA, THE TRUCK DRIVERS SHALL BE ESCORTED BY THE CONTRACTOR.
6. CONTRACTOR WORK CREWS MUST MAINTAIN RADIO CONTACT WITH THE AIR TRAFFIC CONTROL TOWER (ATCT) AT ALL TIMES WHEN INSIDE THE AIRPORT OPERATIONS AREA (AOA). THE CONTRACTOR SHALL SUPPLY ALL APPROPRIATE RADIOS NEEDED FOR COMMUNICATIONS.
7. THE CONTRACTORS STORAGE AND STAGING AREA WILL BE AS SHOWN IN THE SITE PLAN.
8. THE CONTRACTOR SHALL KEEP A RECORD OF THE NAMES OF ALL EMPLOYEES ENTERING THE JOB SITE ON A DAILY BASIS. A RECORD OF EACH SUBCONTRACTOR ENTERING THE JOB SITE SHALL ALSO BE KEPT BY THE CONTRACTOR.
9. WHEN THE CONTRACTOR IS NOT WORKING, EQUIPMENT SHALL BE STORED AT THE STAGING AREA.
10. THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS ONLY AT THE LOCATIONS SHOWN. PARKED EQUIPMENT AND MATERIAL STOCKPILES SHALL NOT PENETRATE SURFACES DEFINED BY F.A.R. TITLE 14 PART 77 - OBJECTS AFFECTING NAVIGABLE AIRSPACE.
11. ALL CONSTRUCTION TRAFFIC OPERATING ON, OR CROSSING RUNWAYS, TAXIWAYS AND APRONS OPEN TO AIRCRAFT TRAFFIC SHALL BE UNDER CONTROL BY A FLAGMAN OR ESCORT IN RADIO CONTACT WITH THE ATCT. THE CONTRACTOR SHALL PROVIDE HIS OWN FLAGMEN.
12. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL CONSTRUCTION AREAS AND HAUL ROUTES WHICH WILL BE OPENED TO AIR TRAFFIC TO THE SATISFACTION OF AIRPORT OPERATIONS OR THE RESIDENT ENGINEER. A POWER BROOM AND OPERATOR SHALL BE ON SITE AT ALL TIMES WHEN ACTIVE PAVEMENTS ARE UTILIZED FOR CONSTRUCTION TRAFFIC.
13. ALL PAVEMENTS, DRIVES OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED TO THE SAME CONDITION OR BETTER THAN THEY WERE PRIOR TO BEGINNING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR THIS WORK.
14. ALL VEHICLE AND EQUIPMENT OPERATORS USED BY THE CONTRACTOR SHALL BE PROPERLY TRAINED BY THE CONTRACTOR.
15. THE CONTRACTOR SHALL NOTIFY THE AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) FACILITY IF CONSTRUCTION ACTIVITY WILL REQUIRE THE BLOCKAGE OF EMERGENCY ACCESS TO THE AIRPORT.

6. WILDLIFE MANAGEMENT

1. THE CONTRACTOR SHALL NOTIFY AIRPORT OPERATIONS OR THE ENGINEER IF ANY WILDLIFE IS SEEN ENTERING THE AIRPORT.
2. CONTRACTOR ACCESS GATES SHALL REMAIN CLOSED WHEN THE CONTRACTOR IS NOT WORKING.
3. THE CONTRACTOR SHALL DISPOSE OF ALL TRASH INCLUDING FOOD SCRAPS IN APPROVED CONTRACTOR PROVIDED CONTAINERS.

7. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT

1. THE CONTRACTOR SHALL PICK UP ANY FOREIGN OBJECT DEBRIS (FOD) SEEN ON THE AIRFIELD PAVEMENTS.
2. THE CONTRACTOR SHALL SECURE ALL LOOSE ITEMS FROM VEHICLES PRIOR TO DRIVING ON AIRFIELD PAVEMENTS.

8. HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT

1. THE CONTRACTOR SHALL DEVELOP A HAZMAT MANAGEMENT PLAN AND KEEP COPIES ON THE JOBSITE OF MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS HANDLED ON THE JOBSITE.

9. NOTIFICATION OF CONSTRUCTION ACTIVITIES

1. THE CONTRACTOR SHALL PROVIDE A 24 HOUR EMERGENCY CONTACT PERSON AND PHONE NUMBER.
2. THE CONTRACTOR SHALL GIVE A MINIMUM OF 72 HOURS NOTICE TO AIRPORT OPERATIONS PRIOR TO CLOSING ANY PAVEMENTS SO THAT PROPER NOTAMS MAY BE ISSUED BY THE AIRPORT.
3. FOR ANY EQUIPMENT USED BY THE CONTRACTOR WITH A HEIGHT GREATER THAN 25', THE CONTRACTOR SHALL PROVIDE TO THE AIRPORT THE TYPE OF EQUIPMENT, TOTAL HEIGHT, AND LOCATION WHERE THE EQUIPMENT WILL BE USED. THE AIRPORT WILL SUBMIT FAA FORM 7460-1 TO THE FAA FOR AN AIRSPACE STUDY. NO EQUIPMENT WITH A HEIGHT GREATER THAN 25' SHALL BE USED UNTIL A DETERMINATION FROM FAA IS RECEIVED.
4. IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL CALL 911.
5. CONTACTS FOR THIS PROJECT ARE AS DISCUSSED IN THE PRE-CONSTRUCTION MEETING.

10. INSPECTION REQUIREMENTS

1. THE CONTRACTOR SHALL INSPECT THE JOBSITE DAILY TO ENSURE COMPLIANCE WITH THE CSPP. THE CHECKLIST FOUND IN APPENDIX 3 OF FAA AC 150/5370-2F MAY BE USED TO AID IN THE INSPECTIONS.
2. THE CONTRACTOR SHALL ATTEND A FINAL INSPECTION OF EACH PHASE WORK AREA PRIOR TO OPENING THE AREA TO AIRPORT OPERATIONS.

11. UNDERGROUND UTILITIES

1. 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. 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 IN RESPECT TO THE ACCURACY, COMPLETENESS OR SUFFICIENCY OF THE INFORMATION.
2. BEFORE INITIATING ANY DIGGING, DRILLING OR EXCAVATING ON THE AIRPORT PROPERTY, THE CONTRACTOR SHALL CALL J.U.L.I.E. AND CONTACT THE LOCAL FAA OFFICE TO ARRANGE FOR UTILITY LOCATES. SEE SECTION 50-17 OF THE SPECIAL PROVISIONS FOR UTILITY CONTACT INFORMATION.

12. PENALTIES

1. NONCOMPLIANCE BY THE CONTRACTOR WITH AIRPORT RULES AND REGULATIONS OR FAILURE TO COMPLY WITH THE AIRPORT'S APPROVED CSPP AND THE CONTRACTOR'S APPROVED SPCD MAY RESULT IN FINES AS ALLOWED BY LAW.

13. SPECIAL CONDITIONS

1. ADJACENT CONSTRUCTION MAY IMPACT THE OPERATIONS OF THE CONTRACTOR. SEE THE COORDINATION NOTES FOR ADDITIONAL INFORMATION.

14. RUNWAY AND TAXIWAY VISUAL AIDS

1. FOR ALL SCHEDULED RUNWAY AND TAXIWAY CLOSURES, THE CONTRACTOR SHALL USE MARKING, LIGHTING AND SIGNS THAT FOLLOWING THE REQUIREMENTS OF FAA AC 150/5370-2F.
2. BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEET.

15. HAZARD MARKING AND LIGHTING

1. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN MARKINGS AND ASSOCIATED LIGHTING OF OPEN TRENCHES, EXCAVATIONS, TEMPORARY STOCKPILES, AND HIS/HER CONSTRUCTION EQUIPMENT.
2. ALL CONSTRUCTION EQUIPMENT SHALL BE FLAGGED AND/OR LIGHTED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2F AND 150/5210-5C AT ALL TIMES WHILE OPERATING ON AIRPORT PROPERTY. THE MAXIMUM EQUIPMENT HEIGHT IS 25'.
3. BARRICADES SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEET OR AS DIRECTED BY THE RESIDENT ENGINEER.
4. THE CONTRACTOR SHALL INSPECT THE BARRICADES ONCE DURING EACH WORK DAY TO INSURE PROPER PLACEMENT AND PROPER OPERATION OF THE RED LIGHTS AND FLAG PLACEMENT.

16. PROTECTION

1. ALL WORK REQUIRED ON AN ACTIVE TAXIWAY OR INSIDE OF AN AN ACTIVE TAXIWAY SAFETY AREA, WHICH EXTENDS 95' FROM THE TAXIWAY CENTERLINE, WILL REQUIRE THE TAXIWAY TO BE CLOSED. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 72 HOURS PRIOR TO THE REQUESTED CLOSURE TIME.

17. OTHER LIMITATIONS ON CONSTRUCTION

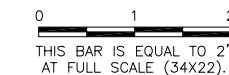
1. IF, DURING CONSTRUCTION, AN EMERGENCY IS DECLARED BY THE AIRPORT, THE CONTRACTOR SHALL IMMEDIATELY CLEAR THE PAVEMENT OF ALL VEHICLES, PERSONNEL AND EQUIPMENT.
2. BROKEN CONCRETE, BROKEN ASPHALT, AND OTHER MISCELLANEOUS DEBRIS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS OTHERWISE SPECIFIED.

FILE: CSPP.dwg
UPDATE BY: TJ Heavisides
PLOT DATE: 4/19/2013 1:49 PM

CA015

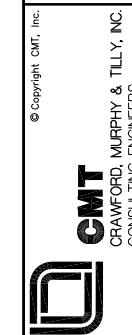
REVISIONS

NUMBER	BY	DATE



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

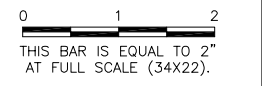
**MODIFY TAXIWAY B
CONSTRUCTION SAFETY PHASING PLAN
NOTES**



DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET	05 OF 47 SHEETS

CA015

REVISIONS		
NUMBER	BY	DATE



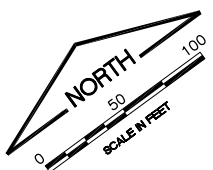
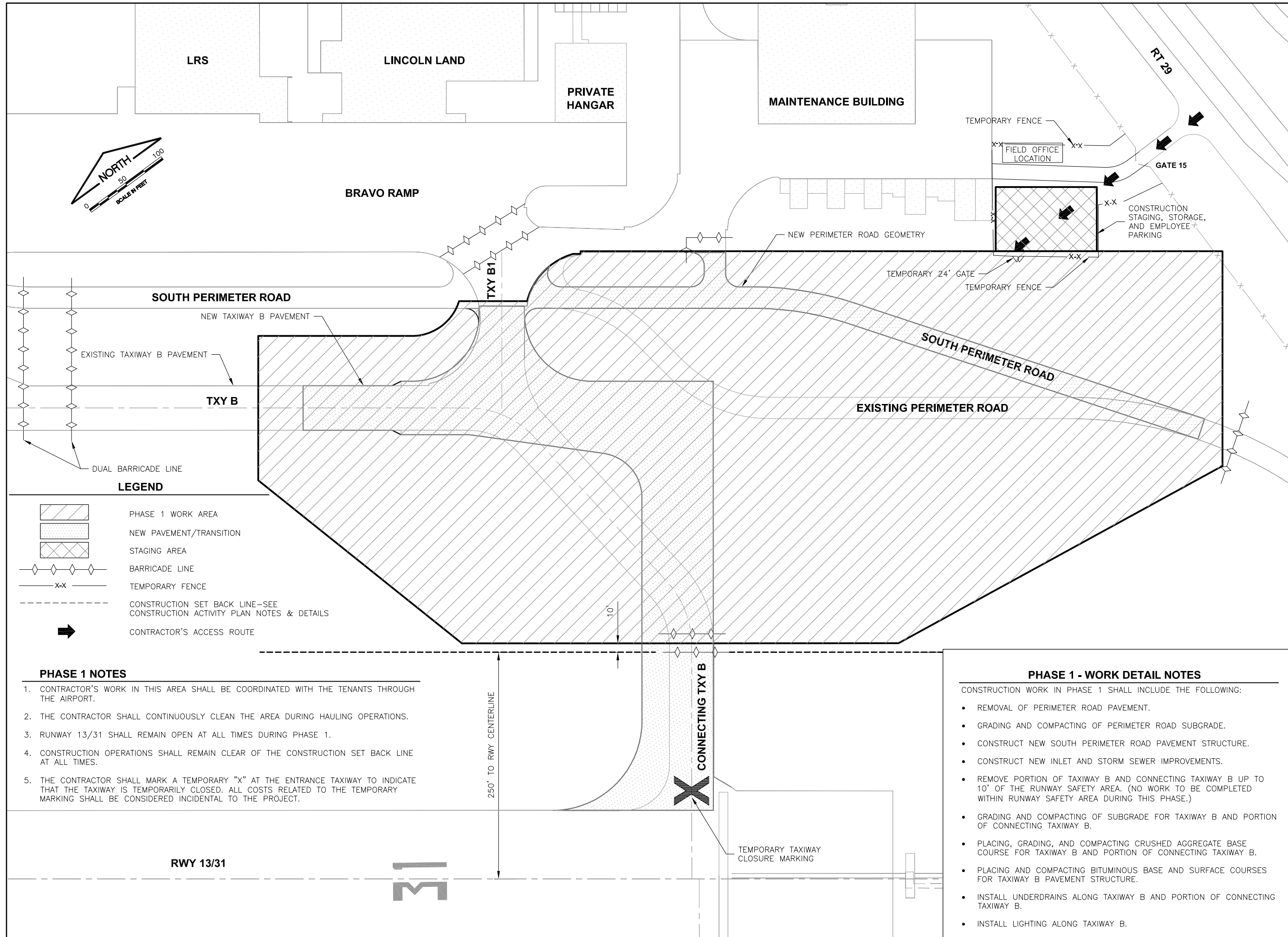

 SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
CONSTRUCTION ACTIVITY PLAN - PHASE 1


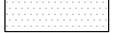

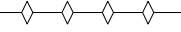
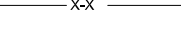


© Copyright CMT, Inc.

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 06 OF 47 SHEETS	



LEGEND

-  PHASE 1 WORK AREA
-  NEW PAVEMENT/TRANSITION
-  STAGING AREA
-  BARRICADE LINE
-  TEMPORARY FENCE
-  CONSTRUCTION SET BACK LINE-SEE CONSTRUCTION ACTIVITY PLAN NOTES & DETAILS
-  CONTRACTOR'S ACCESS ROUTE

PHASE 1 NOTES

1. CONTRACTOR'S WORK IN THIS AREA SHALL BE COORDINATED WITH THE TENANTS THROUGH THE AIRPORT.
2. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN THE AREA DURING HAULING OPERATIONS.
3. RUNWAY 13/31 SHALL REMAIN OPEN AT ALL TIMES DURING PHASE 1.
4. CONSTRUCTION OPERATIONS SHALL REMAIN CLEAR OF THE CONSTRUCTION SET BACK LINE AT ALL TIMES.
5. THE CONTRACTOR SHALL MARK A TEMPORARY "X" AT THE ENTRANCE TAXIWAY TO INDICATE THAT THE TAXIWAY IS TEMPORARILY CLOSED. ALL COSTS RELATED TO THE TEMPORARY MARKING SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

PHASE 1 - WORK DETAIL NOTES

- CONSTRUCTION WORK IN PHASE 1 SHALL INCLUDE THE FOLLOWING:
- REMOVAL OF PERIMETER ROAD PAVEMENT.
 - GRADING AND COMPACTING OF PERIMETER ROAD SUBGRADE.
 - CONSTRUCT NEW SOUTH PERIMETER ROAD PAVEMENT STRUCTURE.
 - CONSTRUCT NEW INLET AND STORM SEWER IMPROVEMENTS.
 - REMOVE PORTION OF TAXIWAY B AND CONNECTING TAXIWAY B UP TO 10' OF THE RUNWAY SAFETY AREA. (NO WORK TO BE COMPLETED WITHIN RUNWAY SAFETY AREA DURING THIS PHASE.)
 - GRADING AND COMPACTING OF SUBGRADE FOR TAXIWAY B AND PORTION OF CONNECTING TAXIWAY B.
 - PLACING, GRADING, AND COMPACTING CRUSHED AGGREGATE BASE COURSE FOR TAXIWAY B AND PORTION OF CONNECTING TAXIWAY B.
 - PLACING AND COMPACTING BITUMINOUS BASE AND SURFACE COURSES FOR TAXIWAY B PAVEMENT STRUCTURE.
 - INSTALL UNDERDRAINS ALONG TAXIWAY B AND PORTION OF CONNECTING TAXIWAY B.
 - INSTALL LIGHTING ALONG TAXIWAY B.

RWY 13/31

M

CONNECTING TAXY B

TEMPORARY TAXIWAY CLOSURE MARKING

250' TO RWY CENTERLINE

10'

CA015

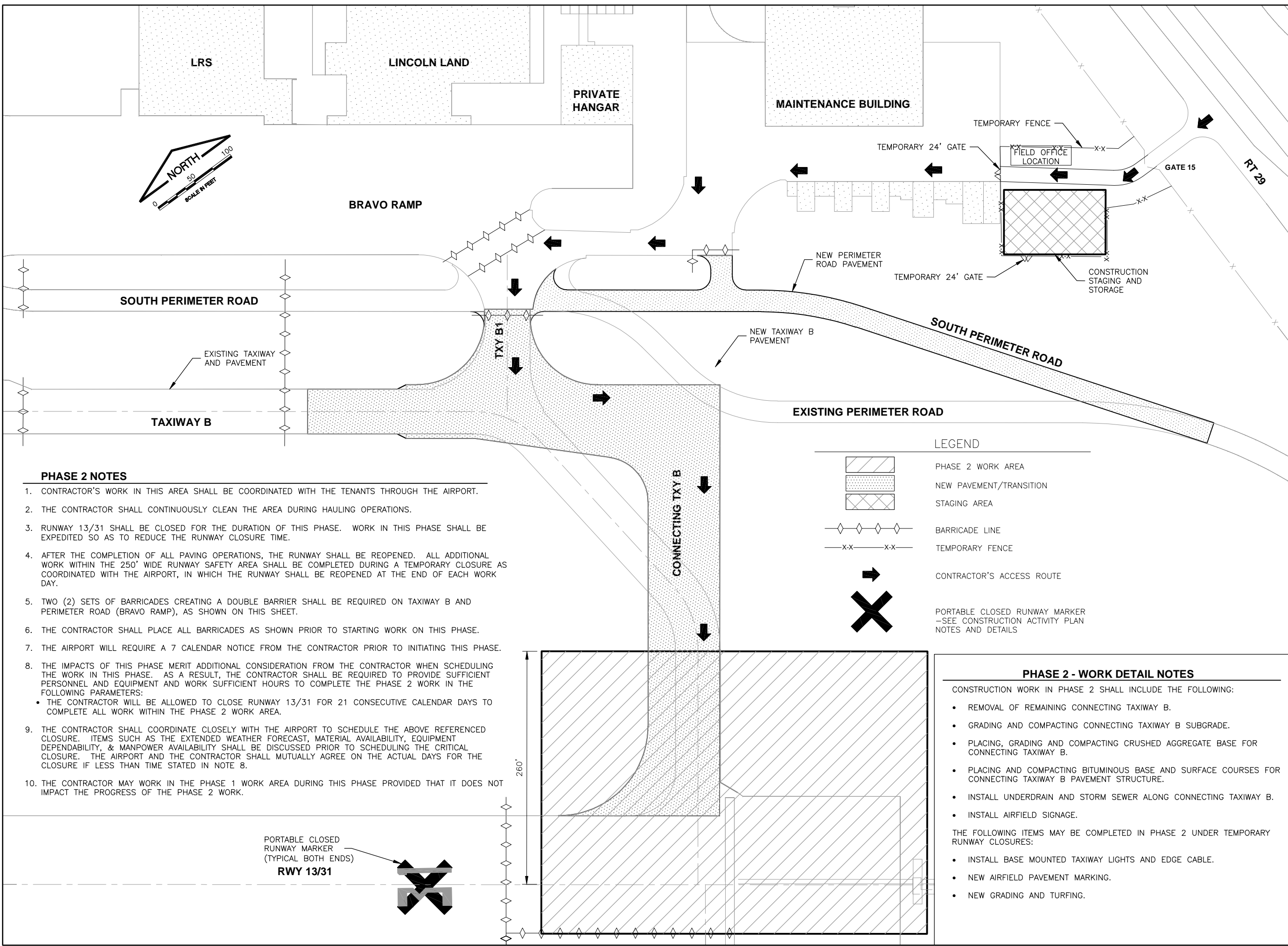
REVISIONS		
NUMBER	BY	DATE

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



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
CONSTRUCTION ACTIVITY PLAN - PHASE 2

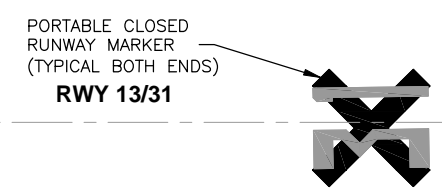


PHASE 2 NOTES

1. CONTRACTOR'S WORK IN THIS AREA SHALL BE COORDINATED WITH THE TENANTS THROUGH THE AIRPORT.
2. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN THE AREA DURING HAULING OPERATIONS.
3. RUNWAY 13/31 SHALL BE CLOSED FOR THE DURATION OF THIS PHASE. WORK IN THIS PHASE SHALL BE EXPEDITED SO AS TO REDUCE THE RUNWAY CLOSURE TIME.
4. AFTER THE COMPLETION OF ALL PAVING OPERATIONS, THE RUNWAY SHALL BE REOPENED. ALL ADDITIONAL WORK WITHIN THE 250' WIDE RUNWAY SAFETY AREA SHALL BE COMPLETED DURING A TEMPORARY CLOSURE AS COORDINATED WITH THE AIRPORT, IN WHICH THE RUNWAY SHALL BE REOPENED AT THE END OF EACH WORK DAY.
5. TWO (2) SETS OF BARRICADES CREATING A DOUBLE BARRIER SHALL BE REQUIRED ON TAXIWAY B AND PERIMETER ROAD (BRAVO RAMP), AS SHOWN ON THIS SHEET.
6. THE CONTRACTOR SHALL PLACE ALL BARRICADES AS SHOWN PRIOR TO STARTING WORK ON THIS PHASE.
7. THE AIRPORT WILL REQUIRE A 7 CALENDAR NOTICE FROM THE CONTRACTOR PRIOR TO INITIATING THIS PHASE.
8. THE IMPACTS OF THIS PHASE MERIT ADDITIONAL CONSIDERATION FROM THE CONTRACTOR WHEN SCHEDULING THE WORK IN THIS PHASE. AS A RESULT, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE SUFFICIENT PERSONNEL AND EQUIPMENT AND WORK SUFFICIENT HOURS TO COMPLETE THE PHASE 2 WORK IN THE FOLLOWING PARAMETERS:
 - THE CONTRACTOR WILL BE ALLOWED TO CLOSE RUNWAY 13/31 FOR 21 CONSECUTIVE CALENDAR DAYS TO COMPLETE ALL WORK WITHIN THE PHASE 2 WORK AREA.
9. 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 IF LESS THAN TIME STATED IN NOTE 8.
10. THE CONTRACTOR MAY WORK IN THE PHASE 1 WORK AREA DURING THIS PHASE PROVIDED THAT IT DOES NOT IMPACT THE PROGRESS OF THE PHASE 2 WORK.

PHASE 2 - WORK DETAIL NOTES

- CONSTRUCTION WORK IN PHASE 2 SHALL INCLUDE THE FOLLOWING:
- REMOVAL OF REMAINING CONNECTING TAXIWAY B.
 - GRADING AND COMPACTING CONNECTING TAXIWAY B SUBGRADE.
 - PLACING, GRADING AND COMPACTING CRUSHED AGGREGATE BASE FOR CONNECTING TAXIWAY B.
 - PLACING AND COMPACTING BITUMINOUS BASE AND SURFACE COURSES FOR CONNECTING TAXIWAY B PAVEMENT STRUCTURE.
 - INSTALL UNDERDRAIN AND STORM SEWER ALONG CONNECTING TAXIWAY B.
 - INSTALL AIRFIELD SIGNAGE.
- THE FOLLOWING ITEMS MAY BE COMPLETED IN PHASE 2 UNDER TEMPORARY RUNWAY CLOSURES:
- INSTALL BASE MOUNTED TAXIWAY LIGHTS AND EDGE CABLE.
 - NEW AIRFIELD PAVEMENT MARKING.
 - NEW GRADING AND TURFING.



© Copyright CMT, Inc.



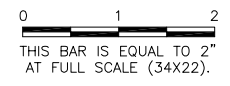
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 07 OF 47 SHEETS	

GENERAL NOTES

1. ALL CONSTRUCTION BARRICADES SHALL BE IN PLACE PRIOR TO INITIATING EACH PHASE.
2. THE CONTRACTOR SHALL GIVE THE AIRPORT A MINIMUM 7 DAYS NOTIFICATION PRIOR TO THE INITIATION OF WORK IN EACH PHASE.
3. THE CONTRACTOR SHALL MAINTAIN ALL MINIMUM DISTANCES SHOWN IN THE CONSTRUCTION ACTIVITY PLANS OR AS REQUIRED FOR THE CRITICAL OPERATING AIRCRAFT THROUGH THESE AREAS.
4. ALL COSTS TO FURNISH, INSTALL, AND MAINTAIN THE CONSTRUCTION SET BACK LINE SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND WILL NOT BE MEASURED FOR PAYMENT.
5. ALL PAVEMENTS OR TURF AREAS UTILIZED BY THE CONTRACTOR FOR AN ACCESS ROUTE, STAGING, OR STORAGE SHALL BE REPAIRED AND RESTORED TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE AIRPORT. NO ADDITIONAL COMPENSATION TO PROTECT, REPAIR, OR RESTORE THESE AREAS SHALL BE MADE.

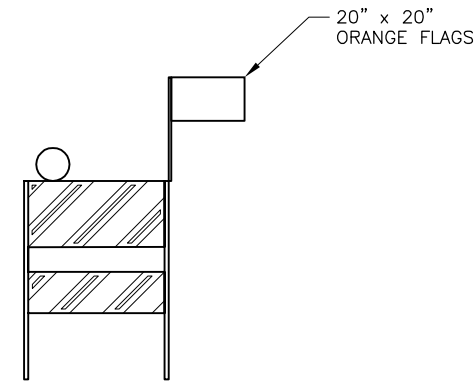
CA015

REVISIONS		
NUMBER	BY	DATE



PORTABLE CLOSED RUNWAY MARKER 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 WHEN RUNWAY CLOSURES ARE REQUIRED.
3. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE REPLACEMENT BULBS, FUEL, LUBRICANTS, AND DAILY/PERIODIC MAINTENANCE INSPECTIONS AS REQUIRED BY THE AIRPORT.
4. THE COST OF SET-UP, FUELING, BULBS, INSPECTION, AND REMOVAL OF THE MARKERS SHALL BE INCIDENTAL TO THE CONTRACT.
5. 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.
6. UPON COMPLETION OF THE RUNWAY CLOSURE, THE CONTRACTOR WILL BE REQUIRED TO TAKE DOWN & RETURN THE MARKERS TO THEIR STORAGE LOCATION.

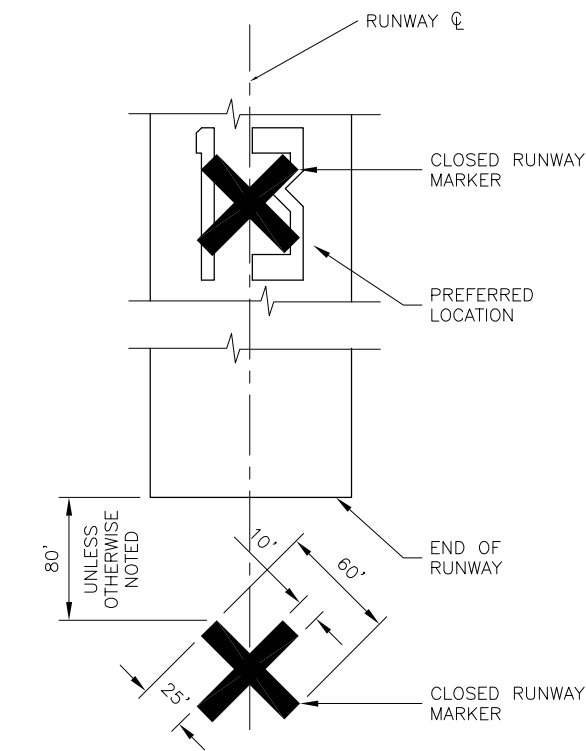


FLASHER BARRICADE DETAIL-IDOT TYPE 1

N.T.S.

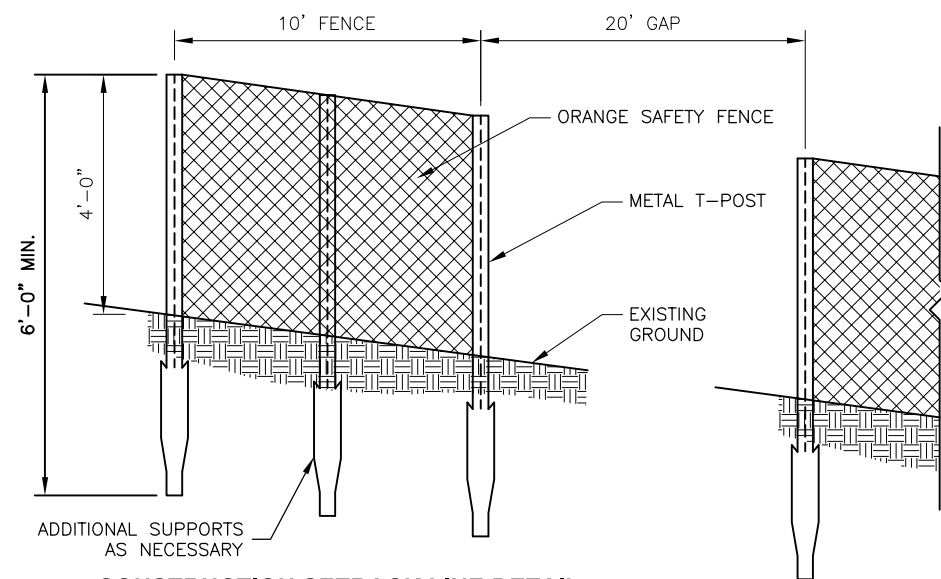
FLASHER BARRICADE NOTES

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 10' INTERVALS.



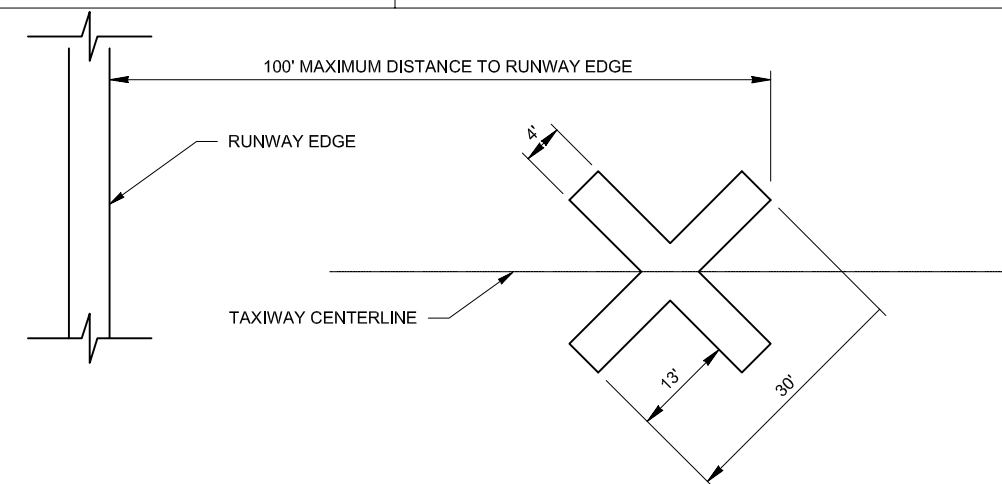
PORTABLE CLOSED RUNWAY MARKER DETAIL

N.T.S.



CONSTRUCTION SETBACK LINE DETAIL

N.T.S.

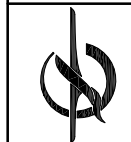


TYPICAL TAXIWAY CLOSURE MARKER DETAIL

N.T.S.

NOTES

- 1.) THE MARKING SHALL BE PAINTED WITH TEMPORARY MARKING CAPABLE OF BEING REMOVED WITH LOW PRESSURE WATER BLASTING, OR OTHER MATERIAL THAT DOES NOT VIOLATE THE OFA CRITERIA AND ARE APPROVED BY THE AIRPORT
- 2.) PLACE OVER TAXIWAY CENTERLINE.
- 3.) YELLOW X SHALL BE ADEQUATELY SECURED TO WITHSTAND JET BLAST OF 100 MPH WINDS.



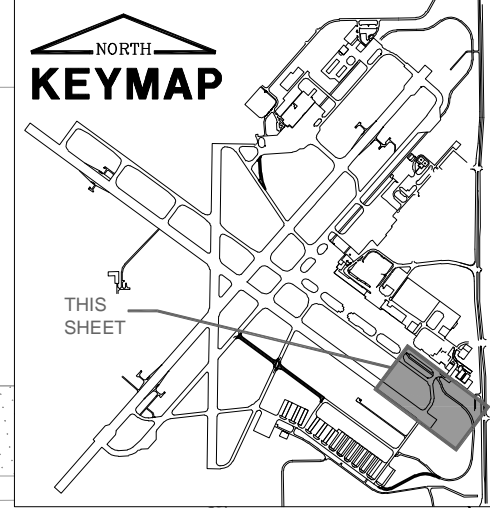
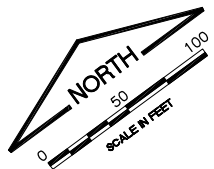
SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
CONSTRUCTION ACTIVITY PLAN NOTES & DETAILS

© Copyright CMT, Inc.



DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET	08 OF 47 SHEETS

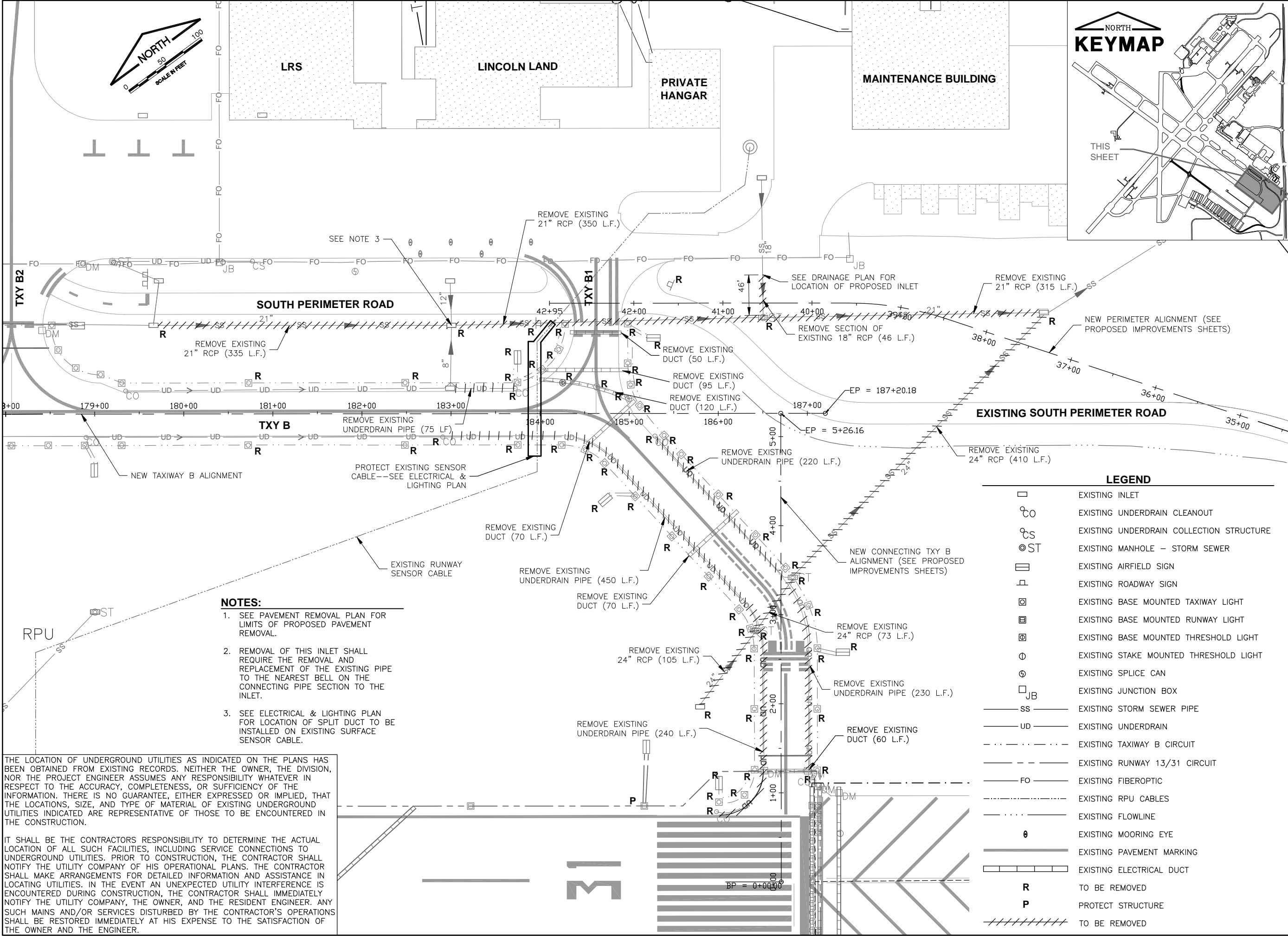


K:\SpringfieldAp\1103503\Draw\Sheets
 FILE: EXCON01.dwg
 UPDATE BY: TJ Heavisides
 PLOT DATE: 4/19/2013 12:59 PM
 SPL_UH
 1103503_TOPO_TXYB-GPS
 ACAD-1103503-V-VF3D
 SPI-BASE CURRENT GEOMETRY
 KEYMAP
 BASE_PROP_GEO

CA015

REVISIONS		
NUMBER	BY	DATE

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



- NOTES:**
- SEE PAVEMENT REMOVAL PLAN FOR LIMITS OF PROPOSED PAVEMENT REMOVAL.
 - REMOVAL OF THIS INLET SHALL REQUIRE THE REMOVAL AND REPLACEMENT OF THE EXISTING PIPE TO THE NEAREST BELL ON THE CONNECTING PIPE SECTION TO THE INLET.
 - SEE ELECTRICAL & LIGHTING PLAN FOR LOCATION OF SPLIT DUCT TO BE INSTALLED ON EXISTING SURFACE SENSOR CABLE.

THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER, THE DIVISION, NOR THE PROJECT 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 CONTRACTORS 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 RESIDENT 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 INLET
	EXISTING UNDERDRAIN CLEANOUT
	EXISTING UNDERDRAIN COLLECTION STRUCTURE
	EXISTING MANHOLE - STORM SEWER
	EXISTING AIRFIELD SIGN
	EXISTING ROADWAY SIGN
	EXISTING BASE MOUNTED TAXIWAY LIGHT
	EXISTING BASE MOUNTED RUNWAY LIGHT
	EXISTING BASE MOUNTED THRESHOLD LIGHT
	EXISTING STAKE MOUNTED THRESHOLD LIGHT
	EXISTING SPLICE CAN
	EXISTING JUNCTION BOX
	EXISTING STORM SEWER PIPE
	EXISTING UNDERDRAIN
	EXISTING TAXIWAY B CIRCUIT
	EXISTING RUNWAY 13/31 CIRCUIT
	EXISTING FIBEROPTIC
	EXISTING RPU CABLES
	EXISTING FLOWLINE
	EXISTING MOORING EYE
	EXISTING PAVEMENT MARKING
	EXISTING ELECTRICAL DUCT
R	TO BE REMOVED
P	PROTECT STRUCTURE
	TO BE REMOVED

SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B

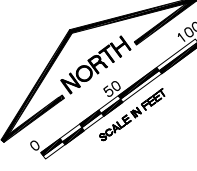
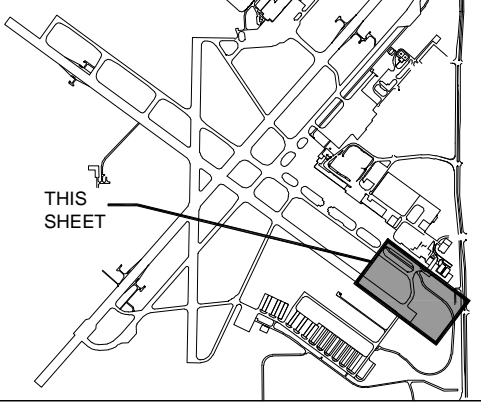
EXISTING CONDITIONS & REMOVALS

© Copyright CMT, Inc.

CMT
 GRAVORD MAPPY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000618

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 09 OF 47 SHEETS	

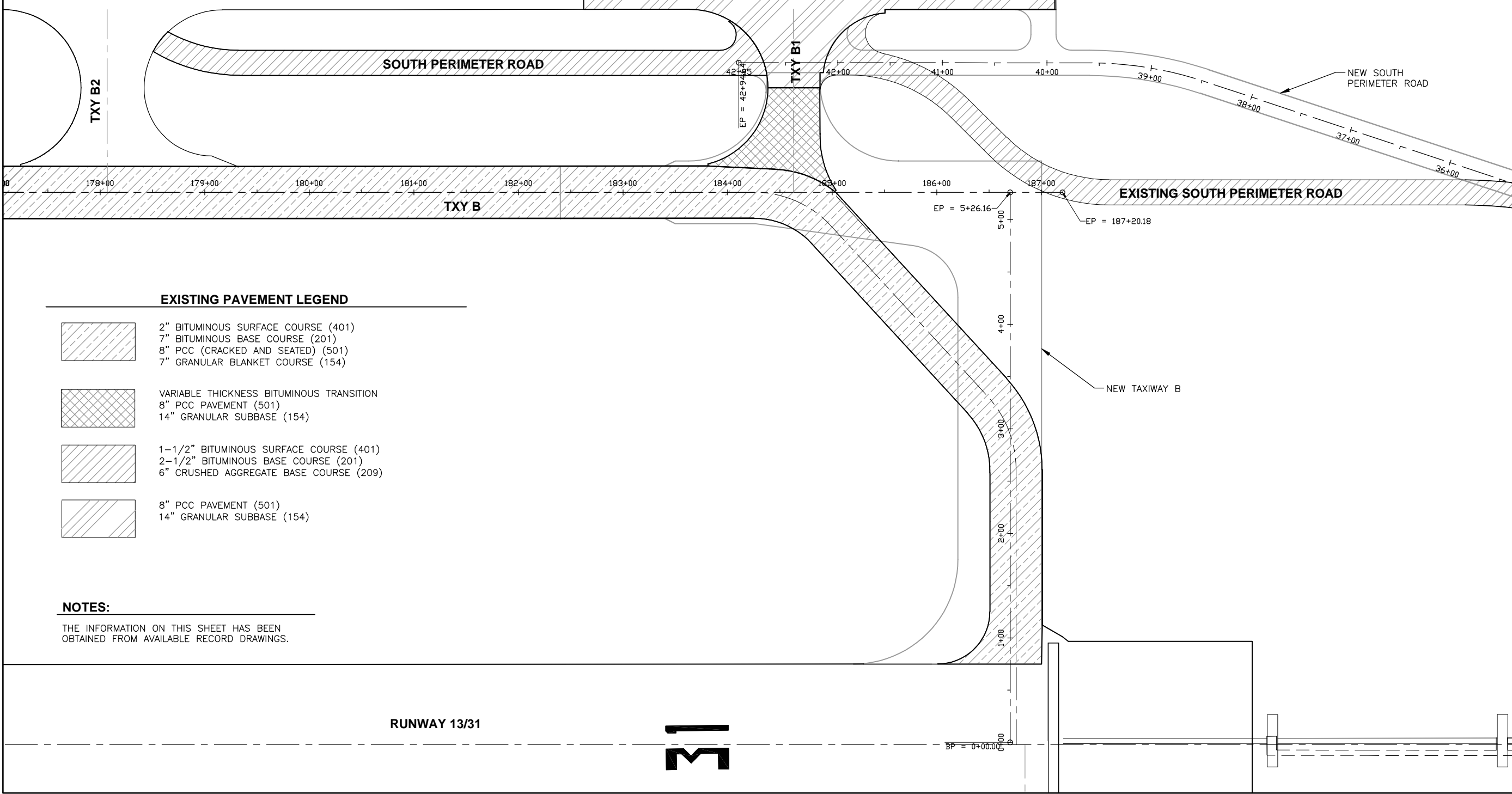
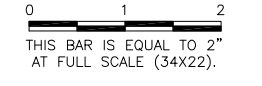
NORTH
KEYMAP



K:\SpringfieldAp\1103503\Draw\Sheets
FILE: EXISTPMTSTR.dwg
UPDATE BY: TJ Heavisides
PLOT DATE: 4/19/2013 12:59 PM
BASE_PROJ_GEO
SPI-BASE CURRENT GEOMETRY
KEYMAP

CA015

REVISIONS		
NUMBER	BY	DATE



EXISTING PAVEMENT LEGEND

- 2" BITUMINOUS SURFACE COURSE (401)
7" BITUMINOUS BASE COURSE (201)
8" PCC (CRACKED AND SEATED) (501)
7" GRANULAR BLANKET COURSE (154)
- VARIABLE THICKNESS BITUMINOUS TRANSITION
8" PCC PAVEMENT (501)
14" GRANULAR SUBBASE (154)
- 1-1/2" BITUMINOUS SURFACE COURSE (401)
2-1/2" BITUMINOUS BASE COURSE (201)
6" CRUSHED AGGREGATE BASE COURSE (209)
- 8" PCC PAVEMENT (501)
14" GRANULAR SUBBASE (154)

NOTES:
THE INFORMATION ON THIS SHEET HAS BEEN OBTAINED FROM AVAILABLE RECORD DRAWINGS.

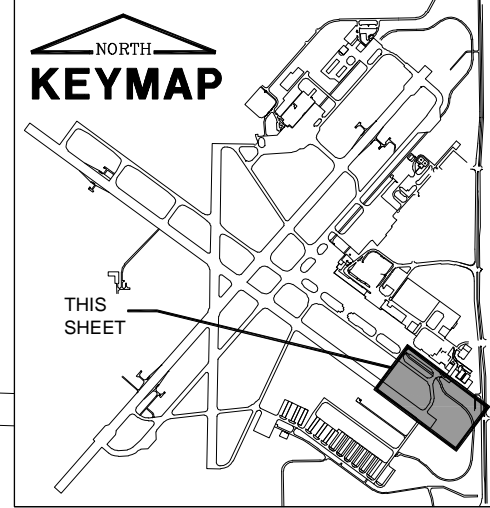
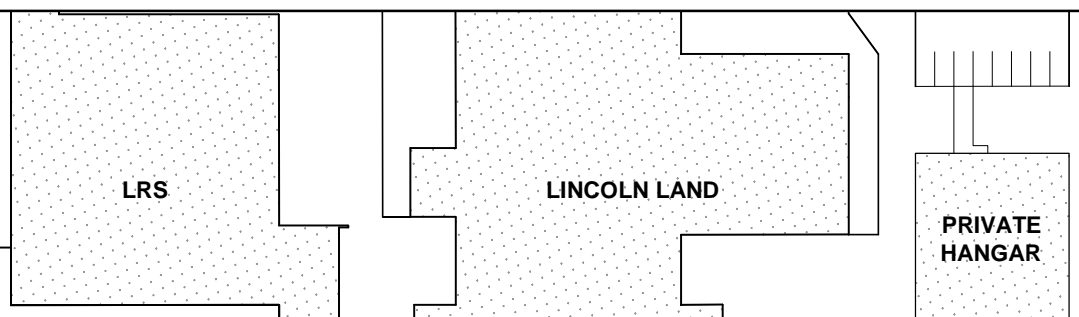
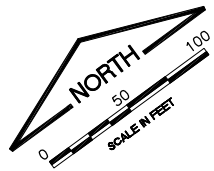


SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
EXISTING PAVEMENT STRUCTURES

© Copyright CMT, Inc.
CMT
GRAHAM MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-000613

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 10 OF 47 SHEETS	

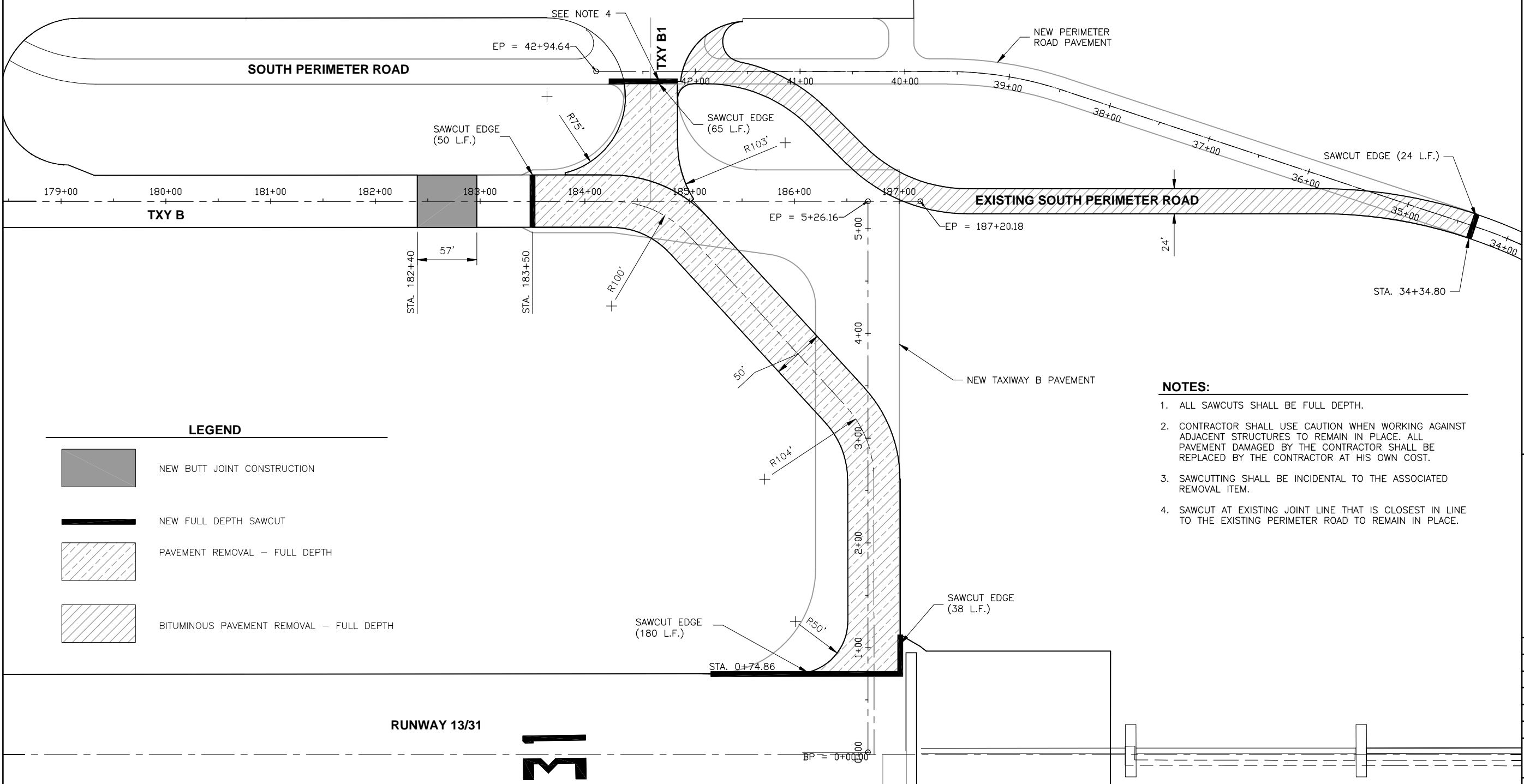


K:\SpringfieldAp\1103503\Draw\Sheets
 FILE: PVMTRMVL.dwg
 UPDATE BY: TJ Heavisides
 PLOT DATE: 4/19/2013 1:00 PM
 BASE_PROP_GEO
 SPI-BASE CURRENT GEOMETRY
 1103503-C-KP00
 KEYMAP

CA015

REVISIONS		
NUMBER	BY	DATE

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



LEGEND

	NEW BUTT JOINT CONSTRUCTION
	NEW FULL DEPTH SAWCUT
	PAVEMENT REMOVAL - FULL DEPTH
	BITUMINOUS PAVEMENT REMOVAL - FULL DEPTH

- NOTES:**
1. ALL SAWCUTS SHALL BE FULL DEPTH.
 2. CONTRACTOR SHALL USE CAUTION WHEN WORKING AGAINST ADJACENT STRUCTURES TO REMAIN IN PLACE. ALL PAVEMENT DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN COST.
 3. SAWCUTTING SHALL BE INCIDENTAL TO THE ASSOCIATED REMOVAL ITEM.
 4. SAWCUT AT EXISTING JOINT LINE THAT IS CLOSEST IN LINE TO THE EXISTING PERIMETER ROAD TO REMAIN IN PLACE.



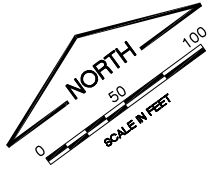
SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

**MODIFY TAXIWAY B
 PAVEMENT REMOVAL PLAN**

© Copyright CMT, Inc.

CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 11 OF 47 SHEETS	



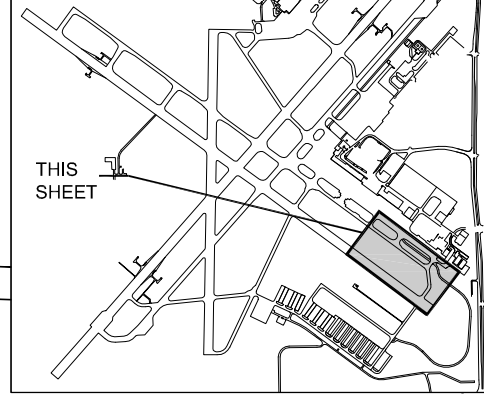
LRS

LINCOLN LAND

PRIVATE HANGAR

MAINTENANCE BUILDING

NORTH
KEYMAP

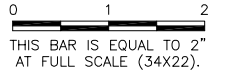


K:\Springfield\1103503\Draw\Sheets
FILE: PROPIMP01.dwg
UPDATE BY: TJ Heavisides
PLOT DATE: 4/19/2013 2:01 PM
SPI-BASE_EXISTGEO
SPI-BASE-1
BASE_PROP_GEO
SPI-BASE CURRENT GEOMETRY
KEYMAP

CA015

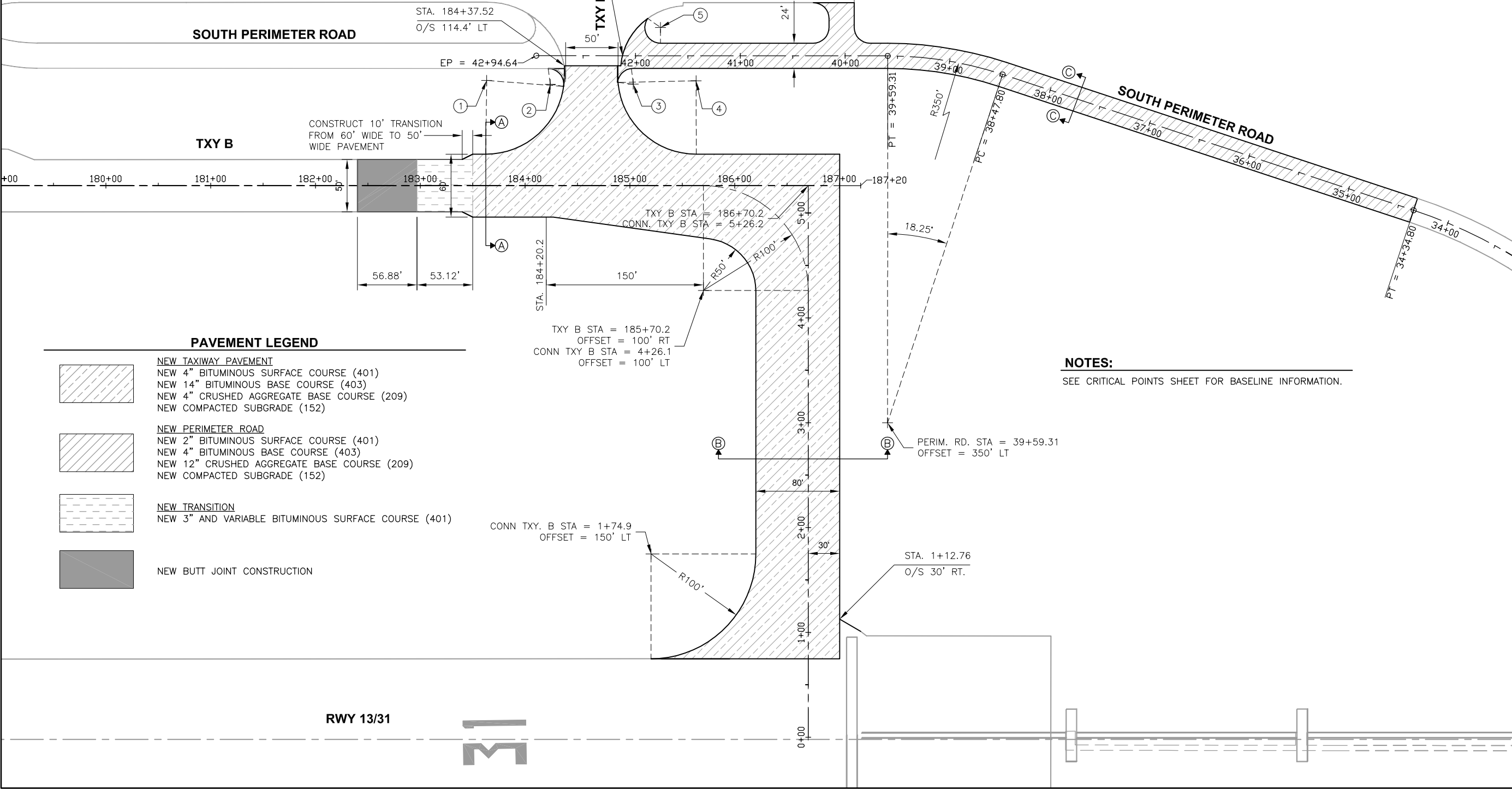
REVISIONS

NUMBER	BY	DATE



RADIUS INFORMATION					
POINT NO.	BASELINE	STATION	OFFSET	RADIUS	ARC ANGLE
1	TXY B	183+63.40	100.35' LT	75.0'	86.32°
2	PERIM. RD.	42+81.39	27.21' LT	15.0'	106.55°
3	PERIM. RD.	42+02.16	27' LT	15.0'	77.30°
4	TXY B	185+63.17	100' LT	75.0'	88.95°
5	PERIM. RD.	41+76.12	27' RT	15.0'	125.04°

MATCH EXISTING PAVEMENT AT STA. 42+13.05



SOUTH PERIMETER ROAD

TXY B

SOUTH PERIMETER ROAD

CONSTRUCT 10' TRANSITION FROM 60' WIDE TO 50' WIDE PAVEMENT

PAVEMENT LEGEND

- NEW TAXIWAY PAVEMENT**
NEW 4" BITUMINOUS SURFACE COURSE (401)
NEW 14" BITUMINOUS BASE COURSE (403)
NEW 4" CRUSHED AGGREGATE BASE COURSE (209)
NEW COMPACTED SUBGRADE (152)
- NEW PERIMETER ROAD**
NEW 2" BITUMINOUS SURFACE COURSE (401)
NEW 4" BITUMINOUS BASE COURSE (403)
NEW 12" CRUSHED AGGREGATE BASE COURSE (209)
NEW COMPACTED SUBGRADE (152)
- NEW TRANSITION**
NEW 3" AND VARIABLE BITUMINOUS SURFACE COURSE (401)
- NEW BUTT JOINT CONSTRUCTION**

NOTES:

SEE CRITICAL POINTS SHEET FOR BASELINE INFORMATION.



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

MODIFY TAXIWAY B

PROPOSED IMPROVEMENTS

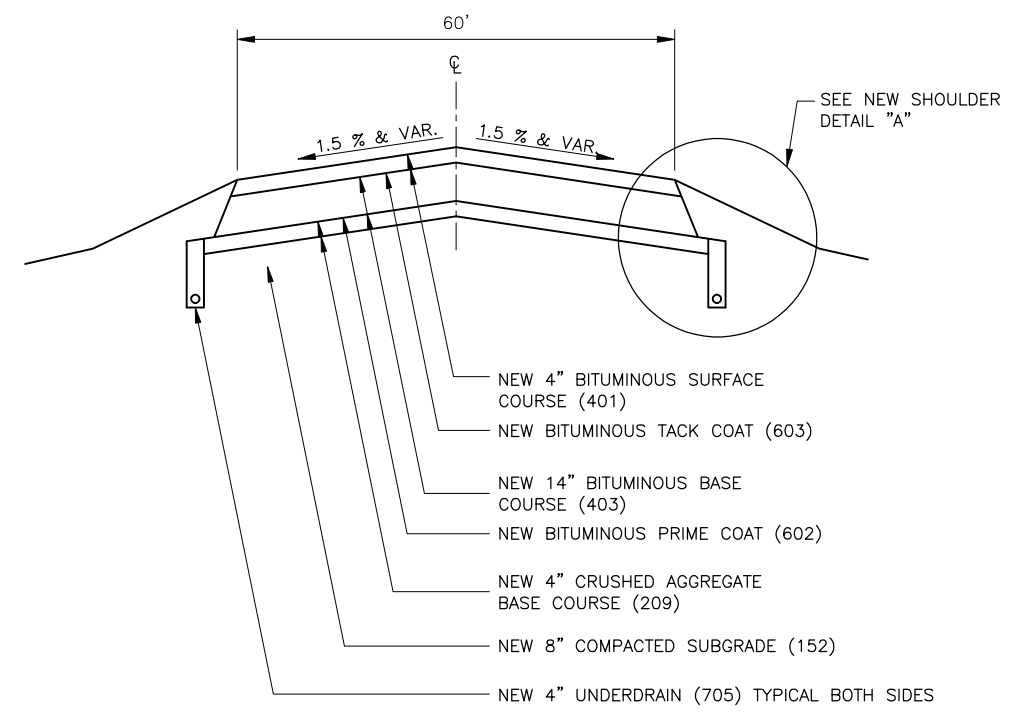
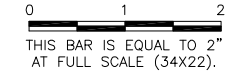
© Copyright CMT, Inc.



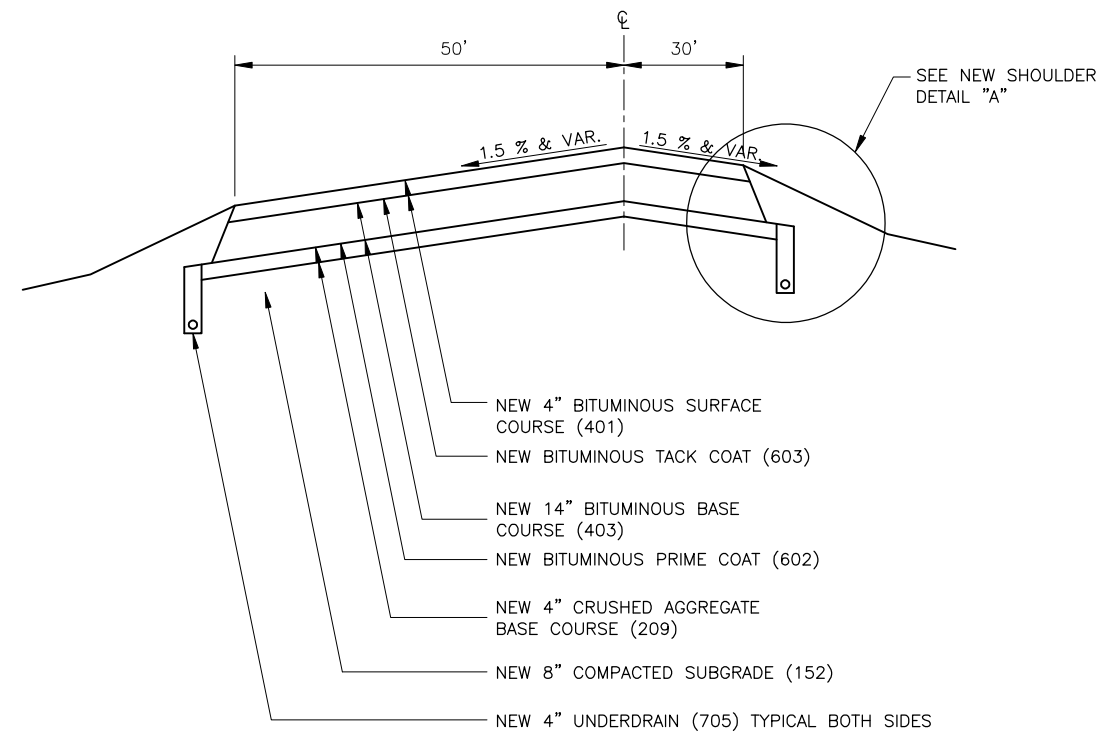
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 12 OF 47 SHEETS	

CA015

REVISIONS		
NUMBER	BY	DATE



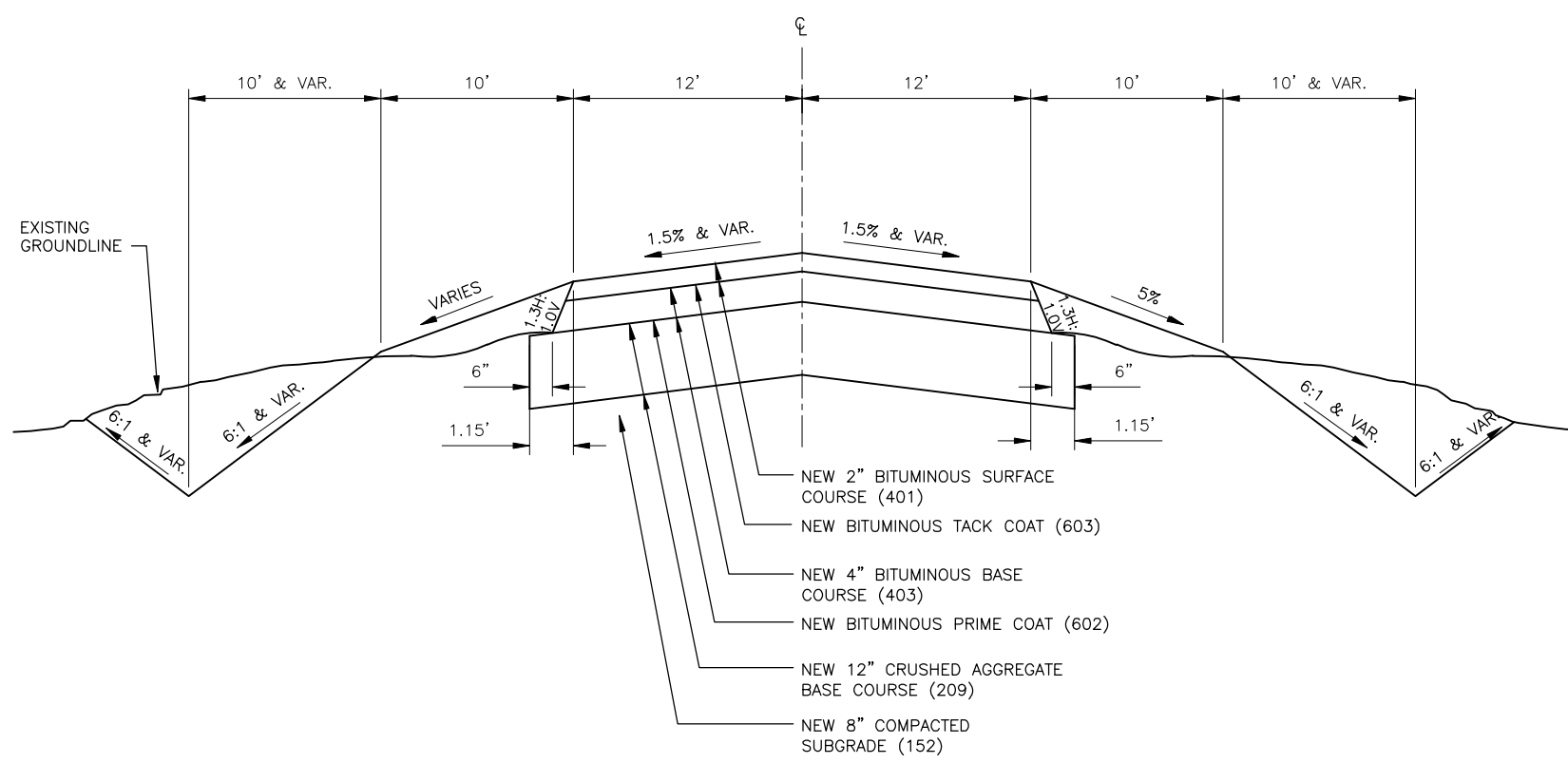
A PARALLEL TAXIWAY B **A**
N.T.S.



B CONNECTING TAXIWAY B **B**
N.T.S.

NOTES:

1. SEE "PROPOSED IMPROVEMENTS" SHEETS FOR SECTION LOCATIONS.
2. BITUMINOUS BASE AND SURFACE COURSES SHALL BE CONSTRUCTED USING THE MAXIMUM LIFT THICKNESS STATED IN THE STANDARD SPECIFICATIONS.
3. TACK COAT SHALL BE PLACED IN BETWEEN EACH LIFT OF BITUMINOUS PAVEMENT.



C NEW PERIMETER ROAD **C**
N.T.S.

PERIMETER ROAD NOTES:

1. NEW PERIMETER ROAD INCLUDES CROWNED & TRANSITIONED SLOPE PAVEMENTS.
2. SEE PERIMETER ROAD CROSS SECTIONS FOR DETAILS.

SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
 TYPICAL SECTIONS 1

© Copyright CMT, Inc.

CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

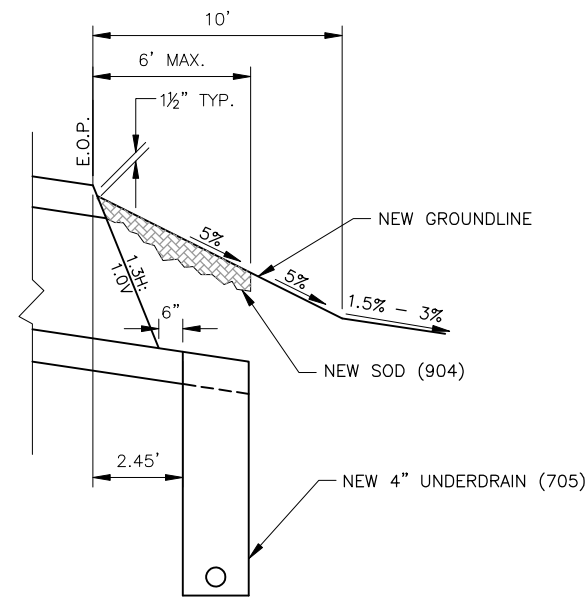
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 13 OF 47 SHEETS	

CA015

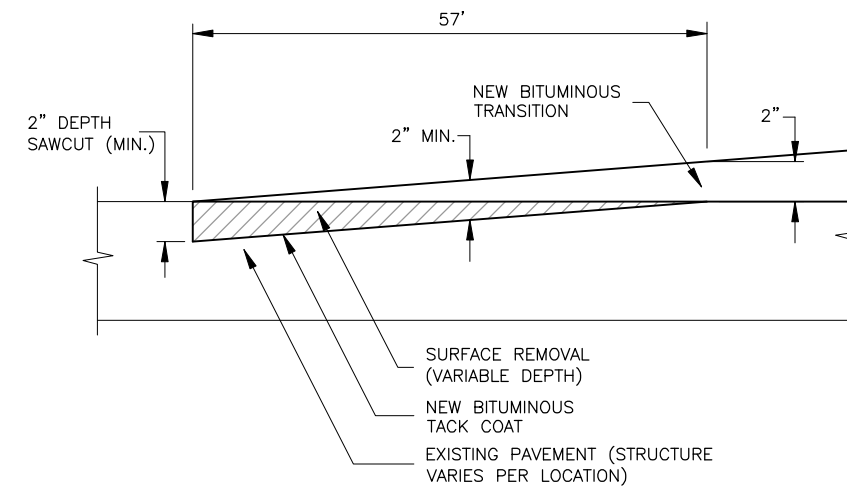
REVISIONS

NUMBER	BY	DATE

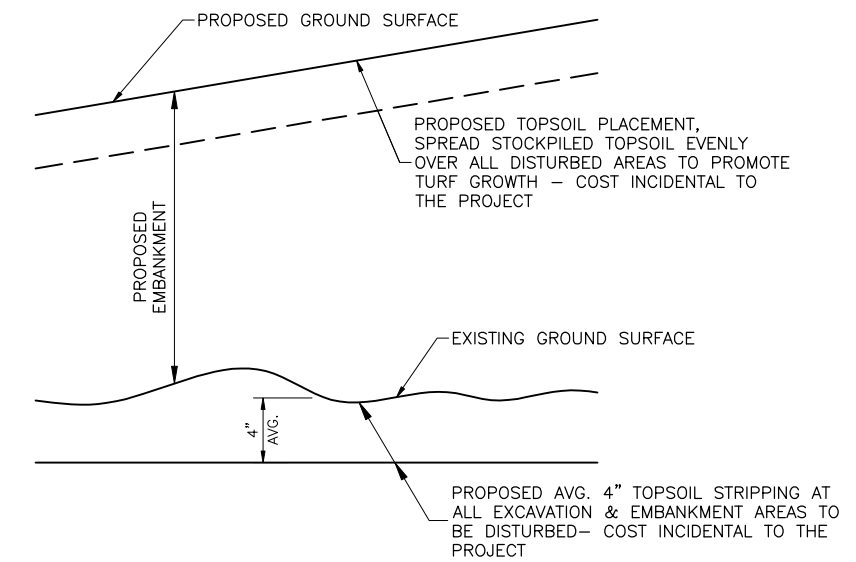
0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).



NEW SHOULDER DETAIL "A"
 N.T.S.



BUTT JOINT DETAIL
 N.T.S.

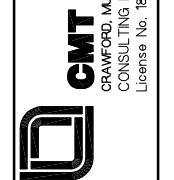


TOPSOIL STRIPPING DETAIL
 N.T.S.

SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

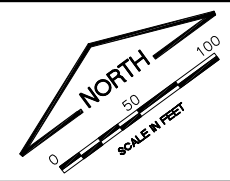
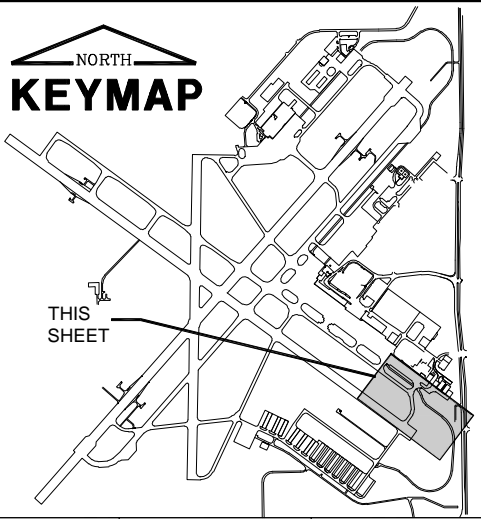
MODIFY TAXIWAY B
 TYPICAL SECTIONS 2

© Copyright CMT, Inc.



DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 14 OF 47 SHEETS	

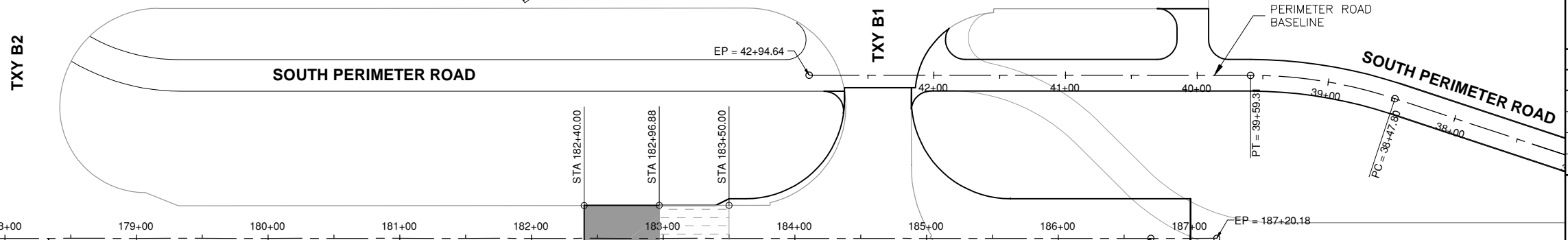
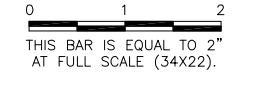
KEYMAP



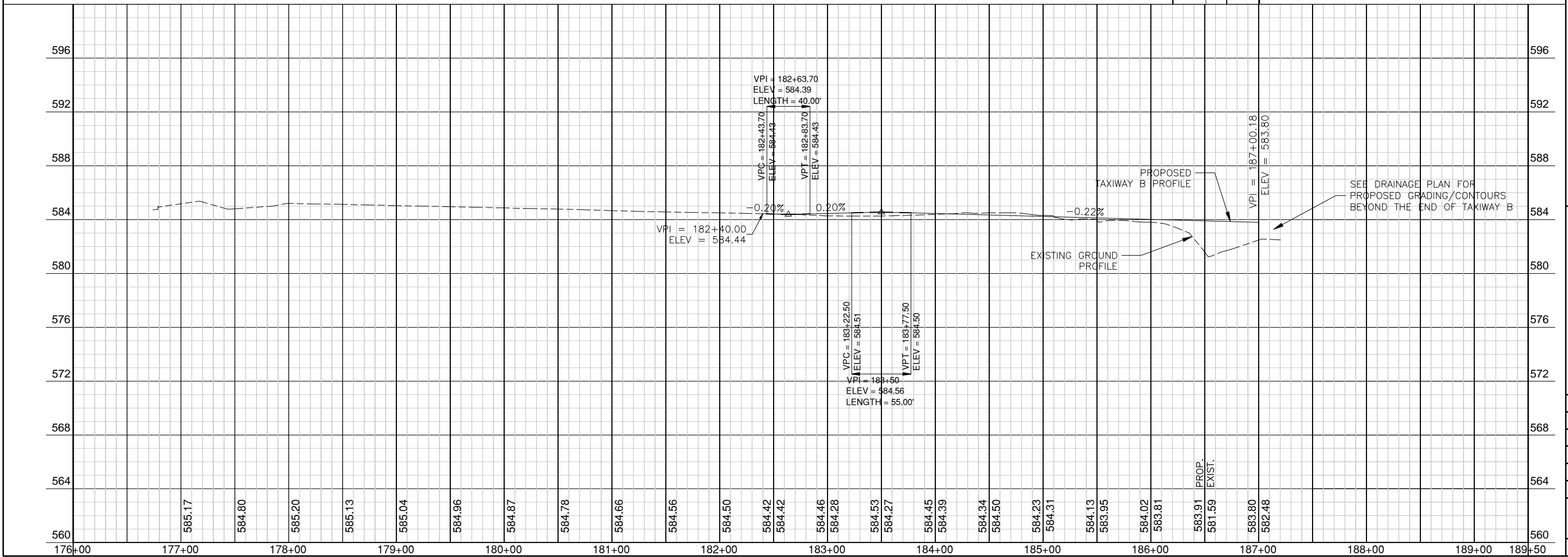
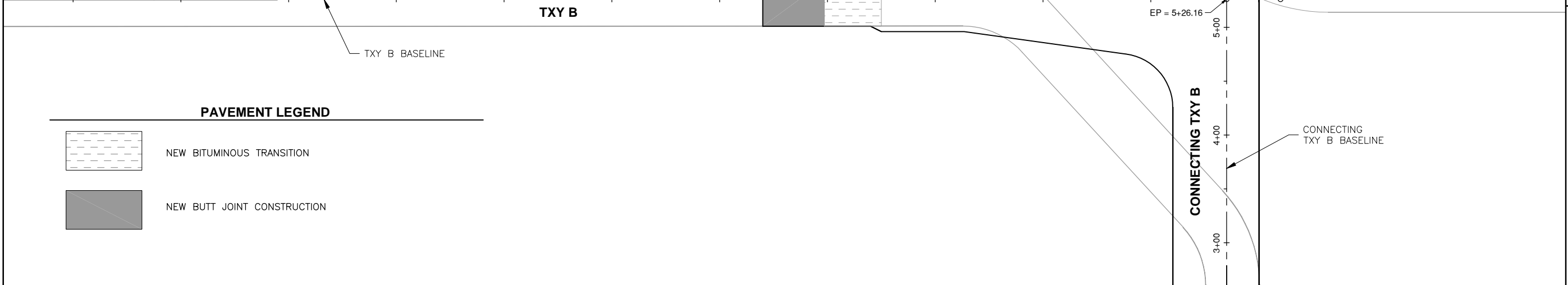
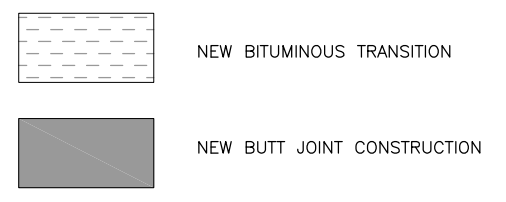
K:\SpringfieldAp\1103503\Draw\Sheets
 FILE: C - 221.dwg
 UPDATE BY: TJ Heavisides
 PLOT DATE: 4/19/2013 1:00 PM
 1103503-C-2200
 BASE_PROP_GEO
 SPI-BASE CURRENT GEOMETRY
 KEYMAP

CA015

REVISIONS		
NUMBER	BY	DATE



PAVEMENT LEGEND

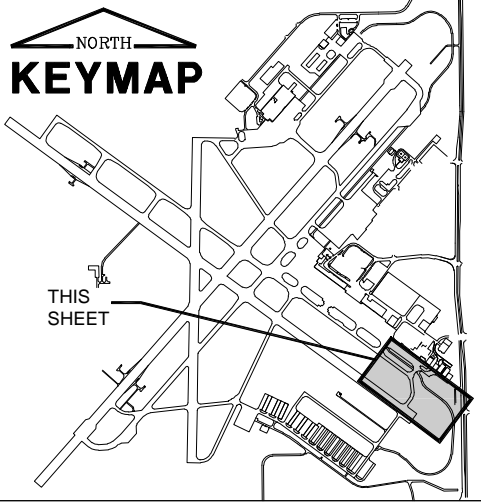


SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, ILLINOIS

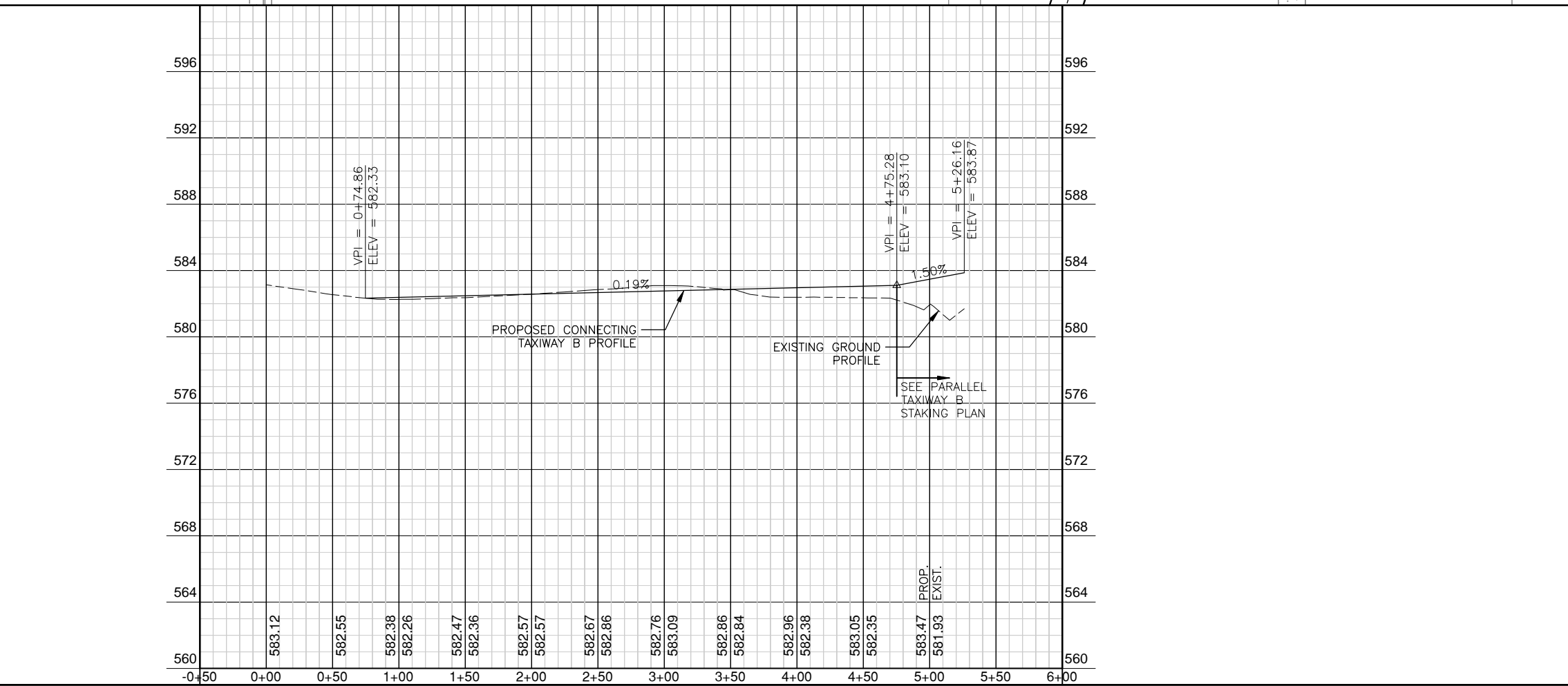
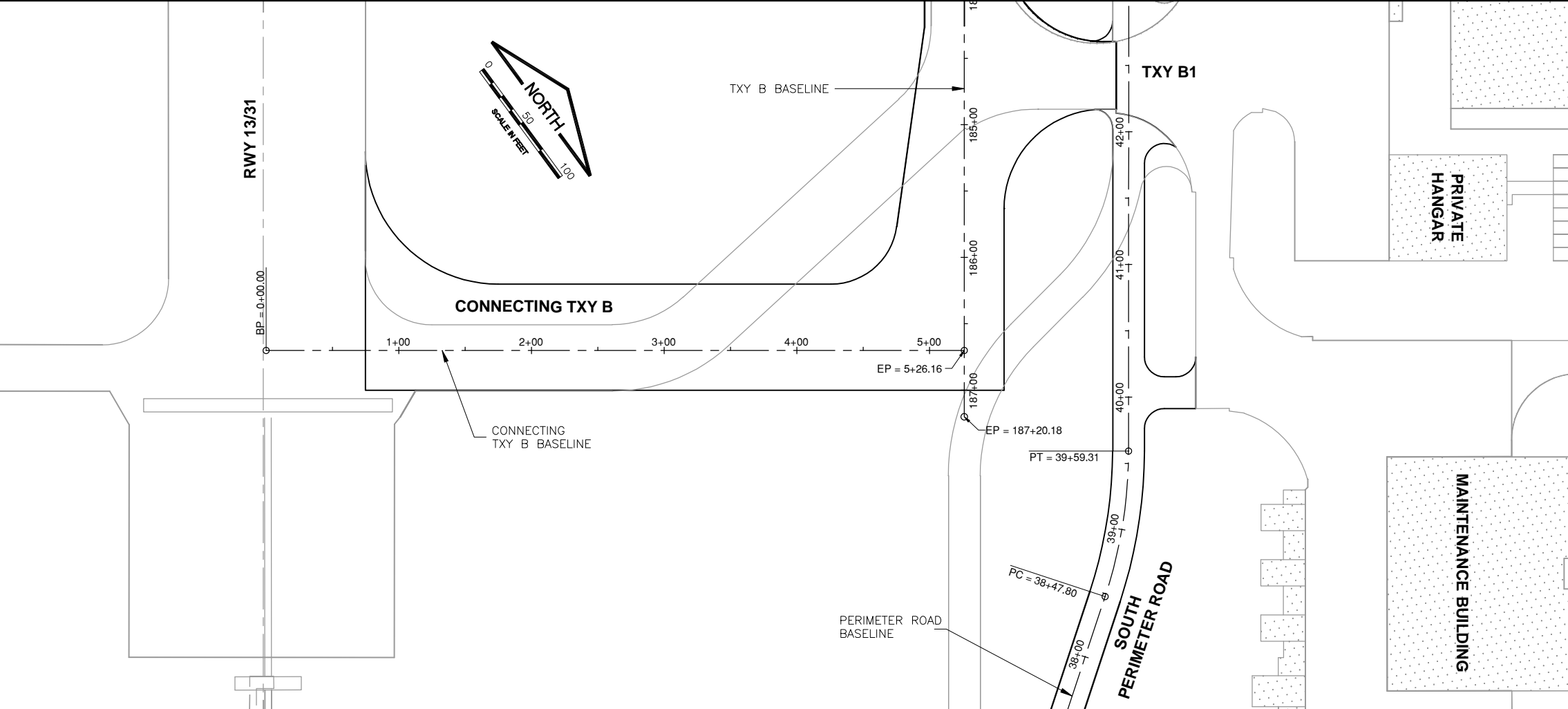
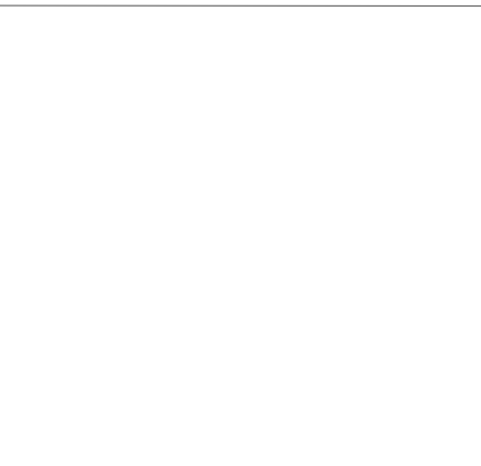
MODIFY TAXIWAY B
PARALLEL TAXIWAY B PLAN AND PROFILE

© Copyright CMT, Inc.
CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 15 OF 47 SHEETS	



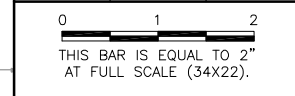
THIS SHEET



K:\SpringfieldAp\1103503\Draw\Sheets
 FILE: C - 2202.dwg
 UPDATE BY: TJ Heavisesides
 PLOT DATE: 4/19/2013 1:00 PM
 1103503-C-2200
 BASE_PROP_GEO
 SPI-BASE CURRENT GEOMETRY
 KEYMAP

CA015

REVISIONS		
NUMBER	BY	DATE



SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B

CONNECTING TAXIWAY B PLAN AND PROFILE

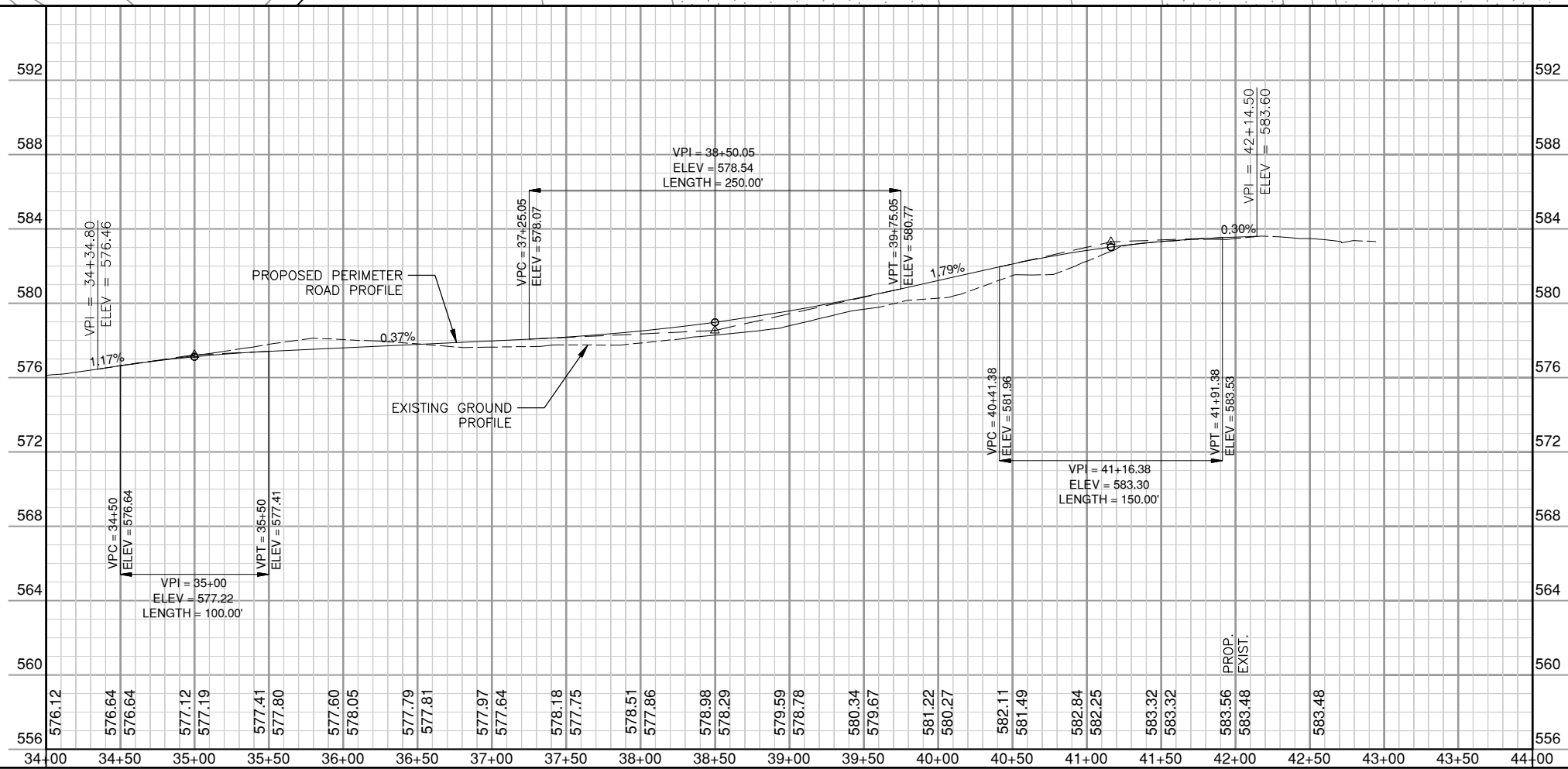
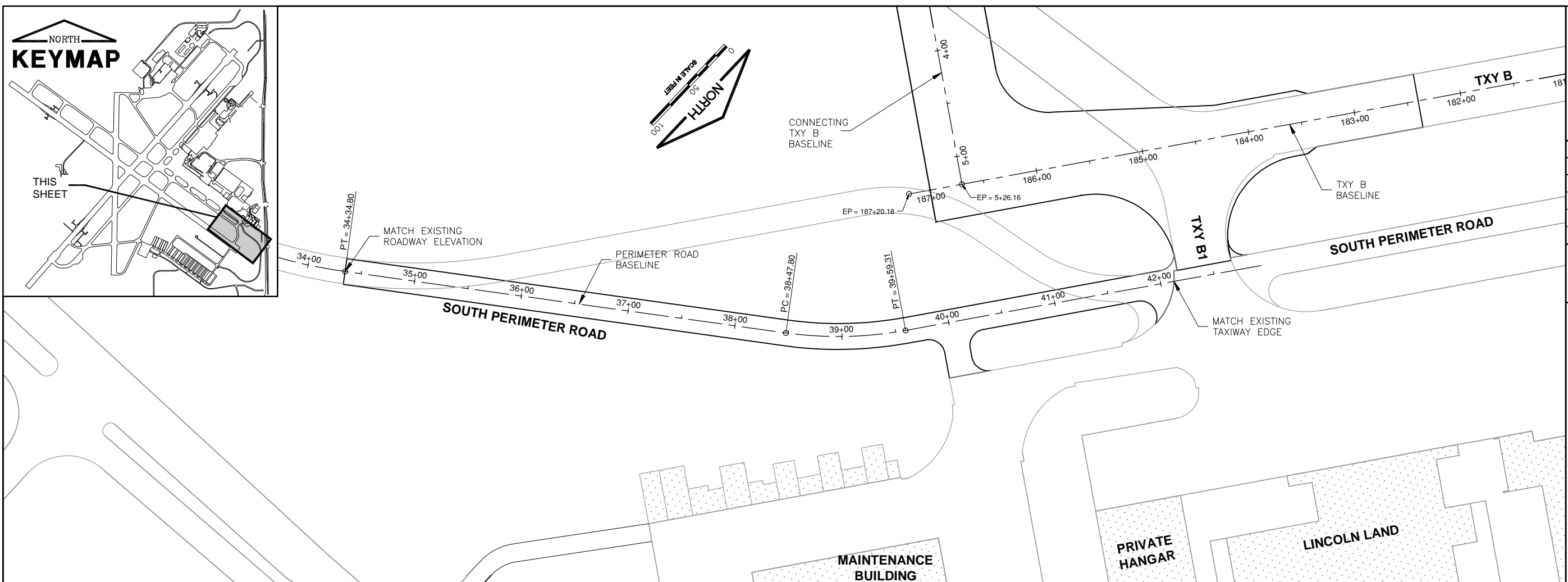
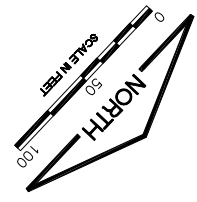
© Copyright CMT, Inc.

CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 16 OF 47 SHEETS	



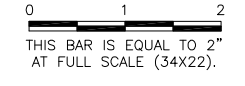
THIS SHEET



K:\SpringfieldAp\1103503\Draw\Sheets
 FILE: C - 2203.dwg
 UPDATE BY: TJ Heavisides
 PLOT DATE: 4/19/2013 1:01 PM
 1103503-C-2200
 BASE_PROP_GEO
 SPI-BASE CURRENT GEOMETRY
 KEYMAP

CA015

REVISIONS		
NUMBER	BY	DATE



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, ILLINOIS

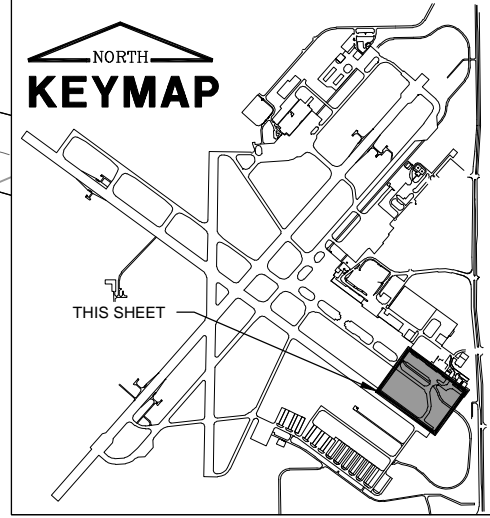
MODIFY TAXIWAY B
PERIMETER ROAD PLAN AND PROFILE

© Copyright CMT, Inc.
CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET	17 OF 47 SHEETS

SOUTH PERIMETER ROAD

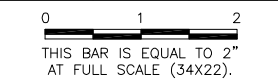
SOUTH PERIMETER ROAD



K:\SpringfieldAp\1103503\Draw\Sheets
 FILE: STAKEPLAN01.dwg
 UPDATE BY: TJ Heavisides
 PLOT DATE: 4/19/2013 1:01 PM
 SPIBASE_EXISTGEO
 BASE_PROP_GEO
 SPI-BASE-1
 SPI-BASE CURRENT GEOMETRY
 KEYMAP
 1103503-C-KP00

CA015

REVISIONS		
NUMBER	BY	DATE



TXY B

TXY B1

CONNECTING TXY B




LEGEND

- NEW ELEVATION
- EXISTING ELEVATION
- NEW CONTOUR
- EXISTING CONTOUR


NOTE

PROPOSED CONTOURS CAN BE FOUND ON THE DRAINAGE PLAN.

RUNWAY 13/31

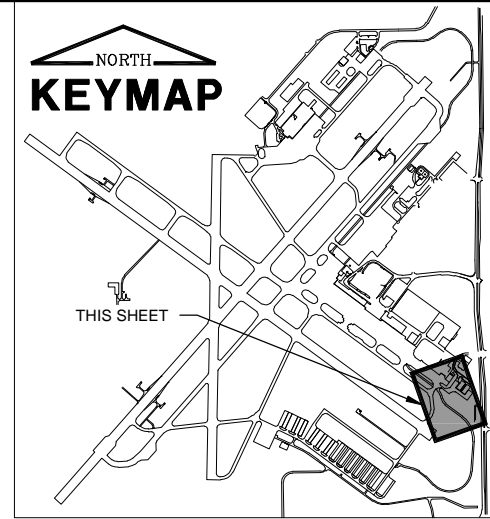
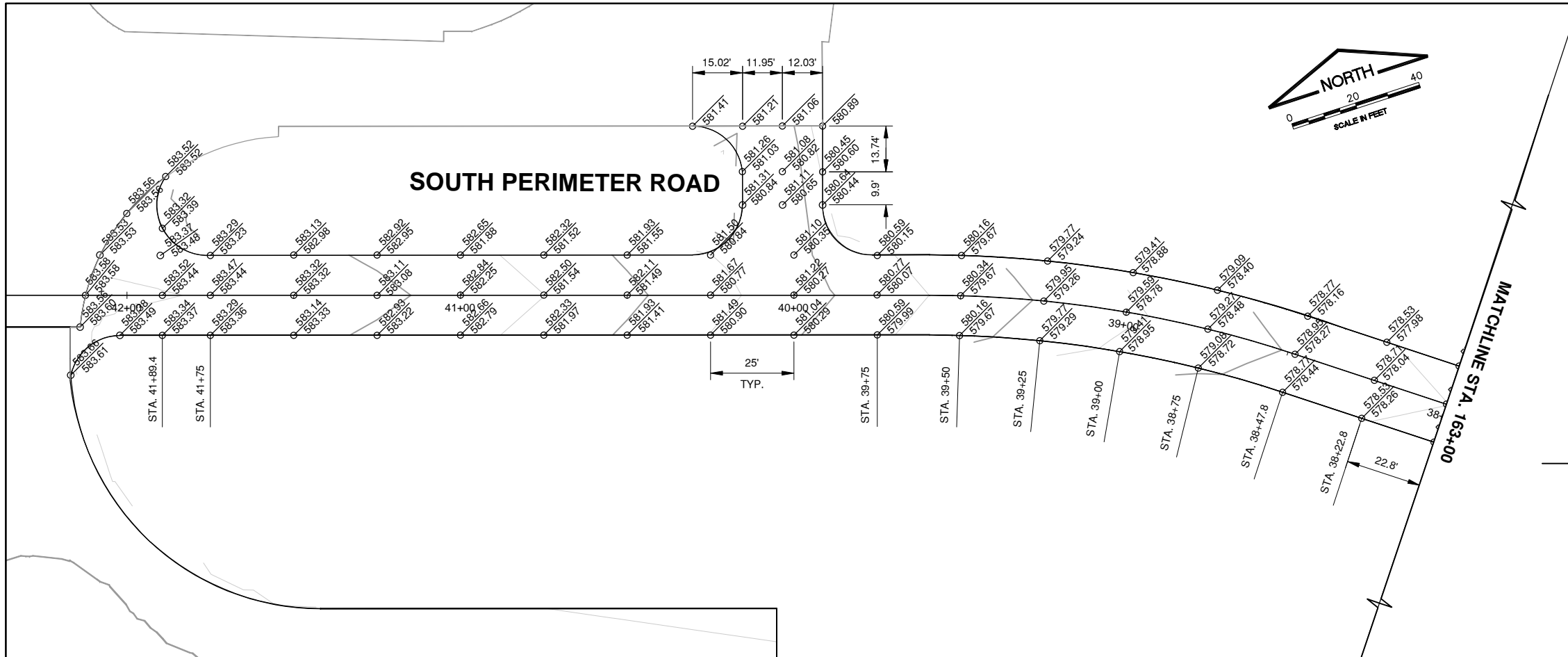

SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
STAKING PLAN 1

© Copyright CMT, Inc.

CMT
 CRAWFORD MAPPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY: TJH
 DRAWN BY: CMT
 CHECKED BY: **TJH**
 APPROVED BY: **RLV**
 DATE: APRIL 19, 2013
 JOB No: 110350300

IL PROJECT SPI-4228
 AIP PROJ. NO. 3-17-0096-XX
 SHEET 18 OF 47 SHEETS



K:\SpringfieldAp\1103503\Draw\Sheets
 FILE: STAKEPLAN02.dwg
 UPDATE BY: TJ Heavisides
 PLOT DATE: 4/19/2013 1:01 PM
 SPIBASE_EXISTGEO
 BASE_PROP_GEO
 SPI-BASE-1
 SPI-BASE CURRENT GEOMETRY
 1103503-C-KP00
 KEYMAP

CA015

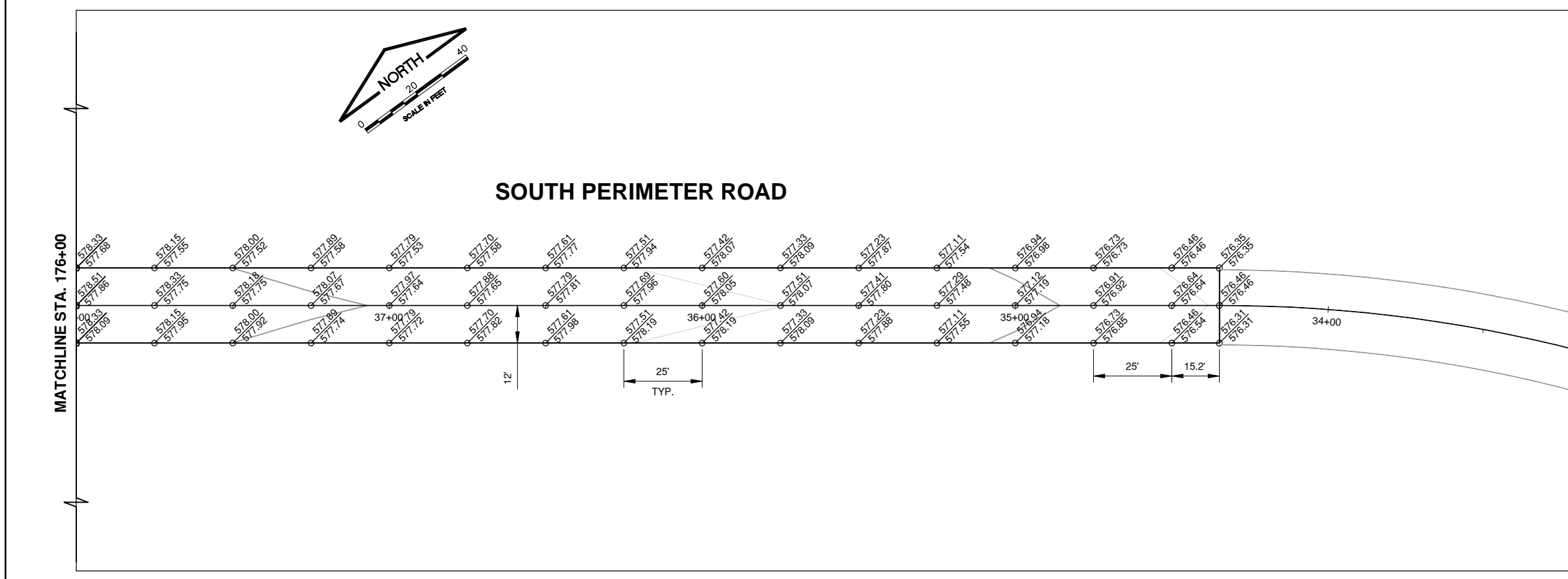

REVISIONS		
NUMBER	BY	DATE

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

LEGEND

	NEW ELEVATION
	EXISTING ELEVATION
	590.5
	590.0


NOTE
 PROPOSED CONTOURS CAN BE FOUND
 ON THE DRAINAGE PLAN.

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

**MODIFY TAXIWAY B
 STAKING PLAN 2**

© Copyright CMT, Inc.



CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 19 OF 47 SHEETS	

CA015

REVISIONS

NUMBER	BY	DATE

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

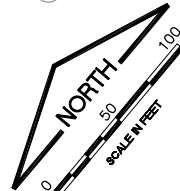
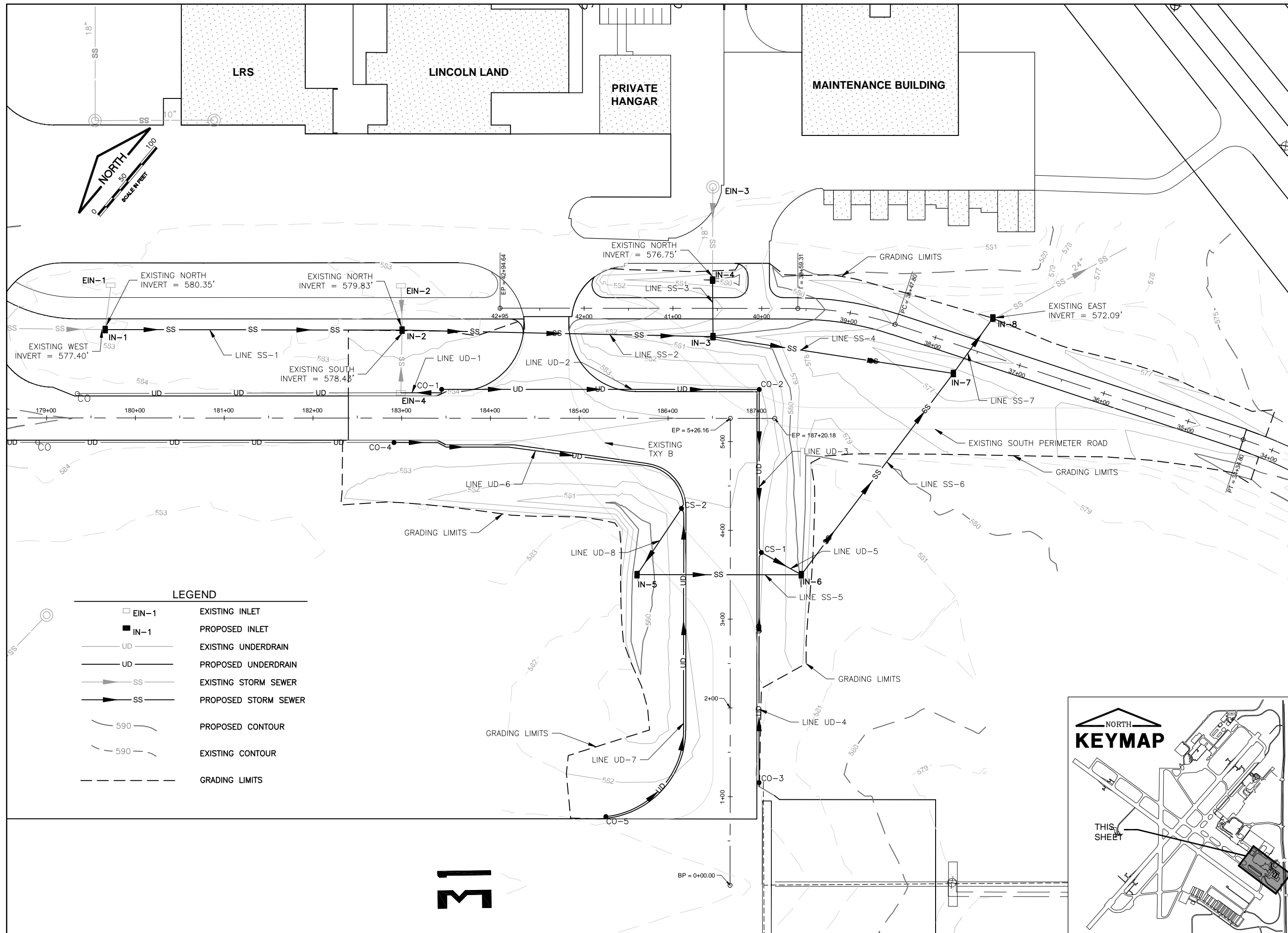
**SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS**

**MODIFY TAXIWAY B
 DRAINAGE PLAN**

© Copyright CMT, Inc.

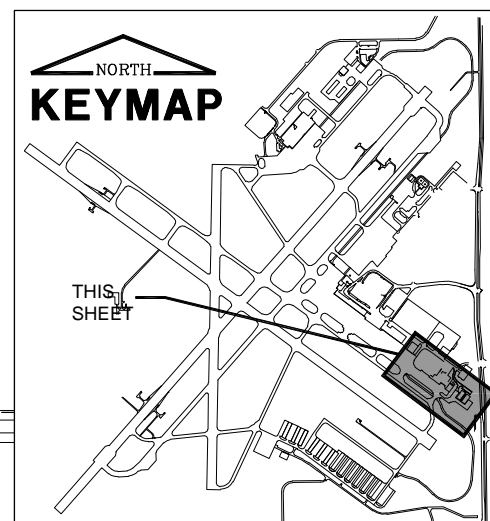
CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 20 OF 47 SHEETS	



LEGEND

	EIN-1	EXISTING INLET
	IN-1	PROPOSED INLET
	UD	EXISTING UNDERDRAIN
	UD	PROPOSED UNDERDRAIN
	SS	EXISTING STORM SEWER
	SS	PROPOSED STORM SEWER
	590	PROPOSED CONTOUR
	590	EXISTING CONTOUR
		GRADING LIMITS



31

CA015

REVISIONS

NUMBER	BY	DATE

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

STORM SEWER PIPE SCHEDULE							
LINE	STRUCTURE UP	STRUCTURE DOWN	INVERT UP	INVERT DOWN	LENGTH	SLOPE	TYPE
SS-1	IN-1	IN-2	577.32	576.44	334 LF	0.26%	21" RCP
SS-2	IN-2	IN-3	576.44	575.36	350 LF	0.31%	21" RCP
SS-3	IN-4	IN-3	576.00	575.36	64 LF	1.00%	18" RCP
SS-4	IN-3	IN-7	575.36	572.47	274 LF	1.05%	21" RCP
SS-5	IN-5	IN-6	575.79	574.86	185 LF	0.50%	24" RCP
SS-6	IN-6	IN-7	574.86	572.47	284 LF	0.84%	24" RCP
SS-7	IN-7	IN-8	572.47	572.09	77 LF	0.49%	24" RCP

STORM SEWER STRUCTURE SCHEDULE								
STRUCTURE	BASELINE	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE	CASTING	COMMENTS
IN-1	TXY B	179+65.9	99.6' LT	582.74	577.32	48" x 48" SQUARE INLET	NEENAH R-3807 OR APPROVED EQUIVALENT	REMOVE AND REPLACE EXISTING INLET
IN-2	TXY B	183+00.4	99.1' LT	582.44	576.44	48" x 48" SQUARE INLET	NEENAH R-3807 OR APPROVED EQUIVALENT	REMOVE AND REPLACE EXISTING INLET
IN-3	PERIM. RD	40+54.7	32.0' LT	579.76	575.36	48" x 48" SQUARE INLET	NEENAH R-3807 OR APPROVED EQUIVALENT	REMOVE AND REPLACE EXISTING INLET
IN-4	PERIM. RD	40+55.4	32.0' RT	579.75	576.00	48" x 48" SQUARE INLET	NEENAH R-3807 OR APPROVED EQUIVALENT	NEW INLET
IN-5	CONN. TXY B	3+50.0	105.0' LT	578.95	575.79	48" x 48" SQUARE INLET	NEENAH R-3807 OR APPROVED EQUIVALENT	NEW INLET
IN-6	CONN. TXY B	3+50.0	80.0' RT	579.89	574.86	84" x 84" SQUARE INLET	NEENAH R-3807 OR APPROVED EQUIVALENT	NEW INLET
IN-7	PERIM. RD	37+68.1	32.0' LT	576.40	572.47	84" x 84" SQUARE INLET	NEENAH R-3807 OR APPROVED EQUIVALENT	NEW INLET
IN-8	PERIM. RD	37+45.5	41.2' RT	576.80	572.09	84" x 84" SQUARE INLET	NEENAH R-3807 OR APPROVED EQUIVALENT	REMOVE AND REPLACE EXISTING INLET

UNDERDRAIN PIPE SCHEDULE							
LINE	STRUCTURE UP	STRUCTURE DOWN	INVERT UP	INVERT DOWN	LENGTH	SLOPE	TYPE
UD-1	CO-1	IN-9	580.75	580.50	50 LF	0.50%	4" PERFORATED
UD-2	CO-1	CO-2	580.75	579.68	358 LF	0.30%	4" PERFORATED
UD-3	CO-2	CS-1	579.68	578.39	184 LF	0.50%	4" PERFORATED
UD-4	CO-3	CS-1	579.16	578.39	262 LF	0.30%	4" PERFORATED
UD-5	CS-1	IN-6	578.39	577.63	51 LF	1.50%	4" NON-PERFORATED
UD-6	CO-4	CS-2	581.32	578.68	357 LF	0.74%	4" PERFORATED
UD-7	CO-5	CS-2	580.37	578.68	394 LF	0.43%	4" PERFORATED
UD-8	CS-2	IN-5	578.68	577.78	90 LF	1.00%	4" NON-PERFORATED

UNDERDRAIN STRUCTURE SCHEDULE						
STRUCTURE	ALIGNMENT	STATION	OFFSET	RIM	INV	TYPE
CO-1	TXY B	183+45.0	32.5' LT	584.00	580.75	TYPE 2
CO-2	TXY B	187+02.7	32.5' LT	583.27	579.68	TYPE 3
CO-3	CONN. TXY B	1+13.8	32.5' RT	582.03	579.16	TYPE 1
CO-4	TXY B	182+91.4	27.5' RT	583.97	581.32	TYPE 3
CO-5	CONN. TXY B	0+77.4	140.0' LT	582.87	580.37	TYPE 1
CS-1	CONN. TXY B	3+75.0	35.0' RT	582.39	578.39	COLLECTION STRUCTURE
CS-2	CONN. TXY B	4+24.6	55.0' LT	582.18	578.68	COLLECTION STRUCTURE

NOTE

- PIPE LENGTHS GIVEN IN THE TABLE ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. ACTUAL LENGTHS AND QUANTITIES WILL VARY DEPENDING ON THE SIZE OF THE TIE IN STRUCTURE.
- SEE DRAINAGE PLAN FOR INVERTS OF EXISTING PIPES THAT TIE INTO NEW STRUCTURES.



SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B

DRAINAGE SCHEDULE

© Copyright CMT, Inc.



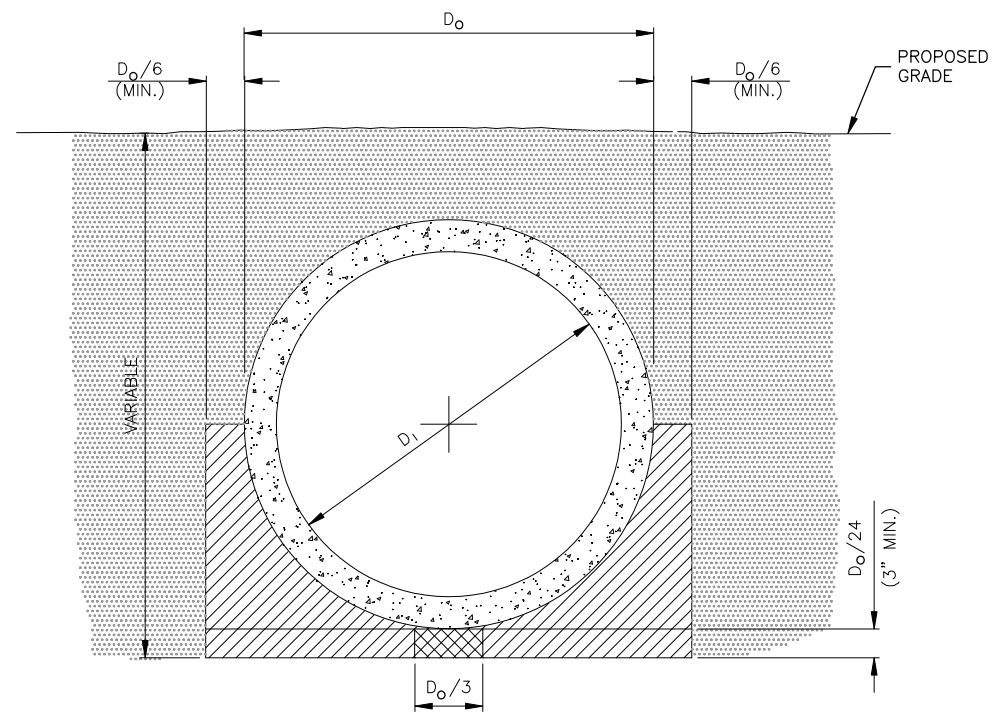
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300

IL PROJECT SPI-4228
 AIP PROJ. NO. 3-17-0096-XX

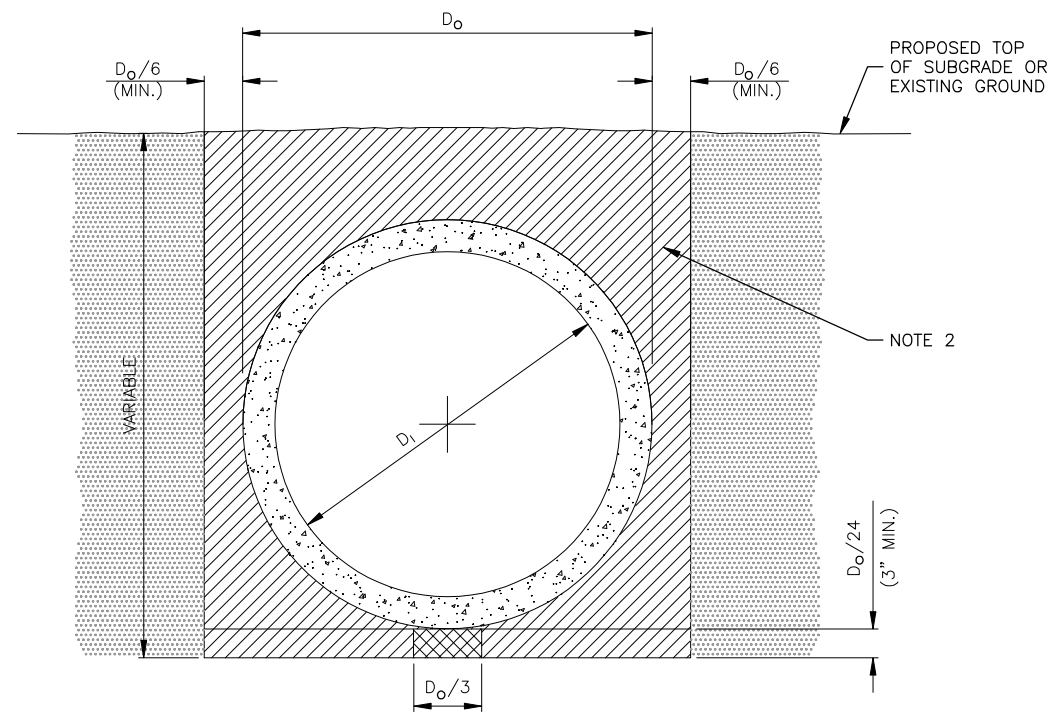
CA015

REVISIONS		
NUMBER	BY	DATE

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







**STANDARD TRENCH INSTALLATION
 NON-PAVED AREA**
 N.T.S.



**STANDARD TRENCH INSTALLATION
 PROPOSED PAVED AREA**
 N.T.S.

TRENCH INSTALLATION LEGEND

-  DRAINAGE CONDUIT MATERIAL—CONCRETE
-  MIDDLE BEDDING LOOSELY PLACED UNCOMPACTED BEDDING
-  HAUNCH AND OUTER BEDDING COMPACTION— TO RESIDENT ENGINEER'S SATISFACTION OR 95% STANDARD PROCTOR
-  LOWER SIDE AND OVERFILL COMPACTION— SAME AS EMBANKMENT REQUIREMENTS
- D_o PIPE OUTSIDE DIAMETER
- D_i PIPE INSIDE DIAMETER

TRENCH INSTALLATION NOTES

1. BEDDING SHOWN IS IN ACCORDANCE WITH "STANDARD EMBANKMENT INSTALLATIONS", STANDARD INSTALLATION & BEDDING FACTORS FOR THE INDIRECT DESIGN METHOD (DESIGN DATA 40), AMERICAN CONCRETE PIPE ASSOCIATION.
2. BACKFILL TO EXTEND 3' BEYOND EDGES OF PROPOSED PAVEMENT.



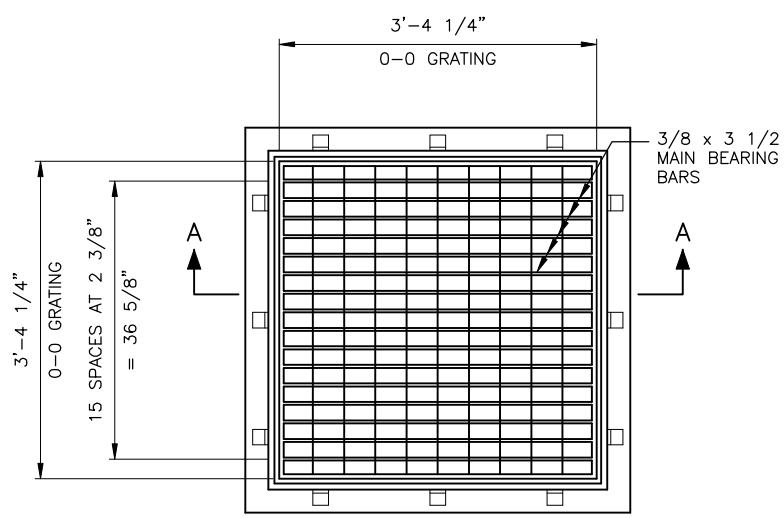
SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
 DRAINAGE DETAILS

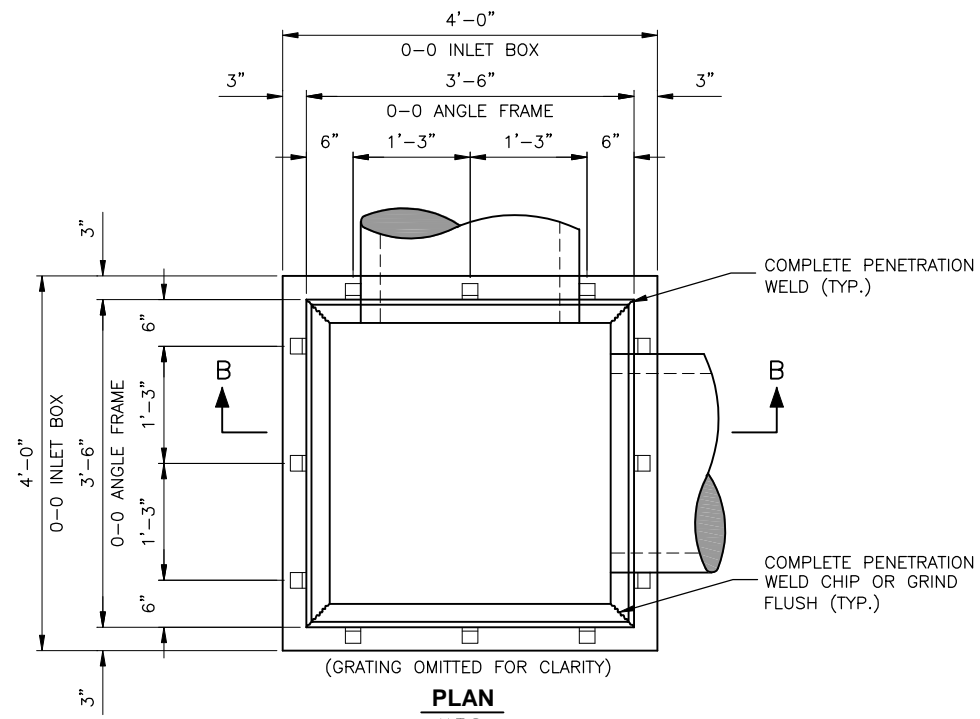
© Copyright CMT, Inc.

CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

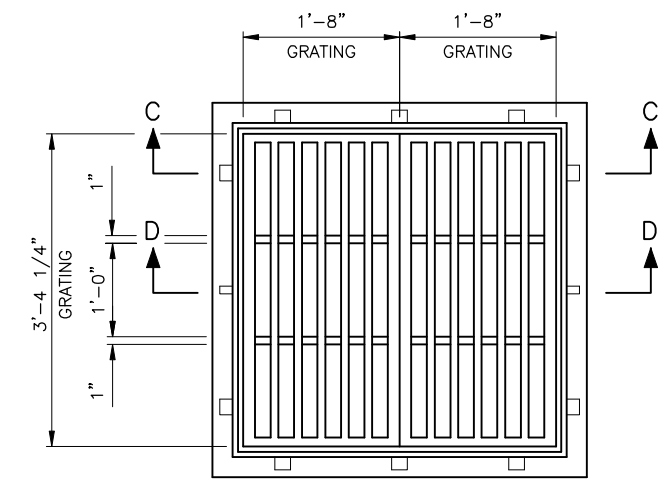
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 22 OF 47 SHEETS	



PLAN
N.T.S.



PLAN
N.T.S.



PLAN
N.T.S.

CA015

REVISIONS		
NUMBER	BY	DATE

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

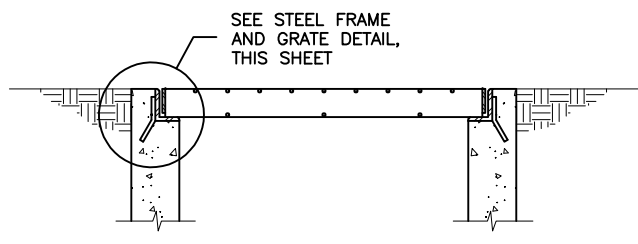


SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, ILLINOIS

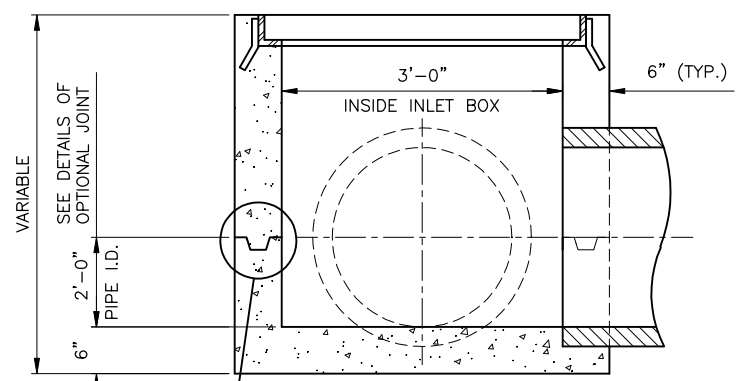
MODIFY TAXIWAY B
INLET DETAILS 1

© Copyright CMT, Inc.
CMT
 GRAFFEO MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000618

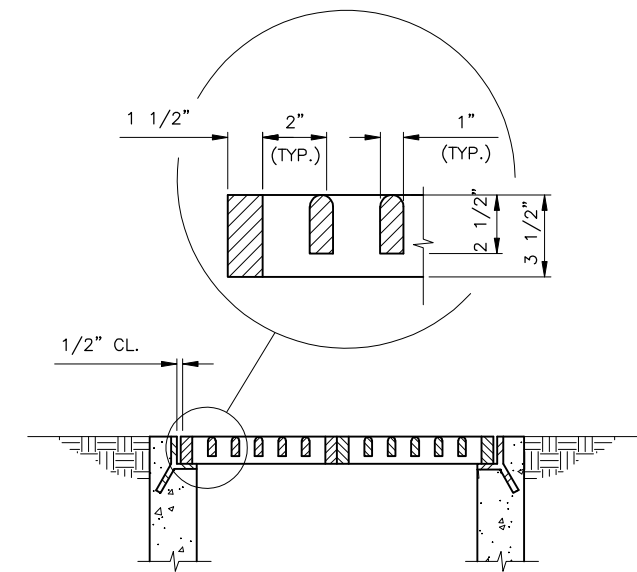
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 23 OF 47 SHEETS	



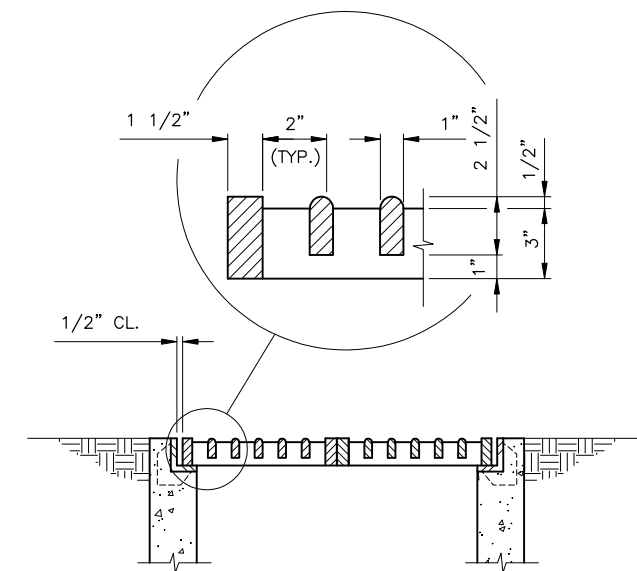
SECTION A-A
N.T.S.



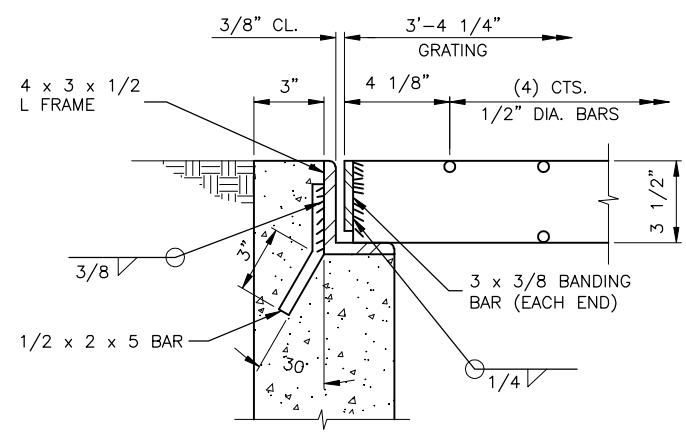
SECTION B-B
N.T.S.



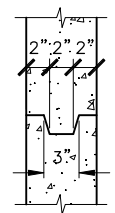
SECTION C-C
N.T.S.



SECTION D-D
CAST FRAME & GRATE DETAILS
N.T.S.



STEEL FRAME & GRATE DETAIL
N.T.S.



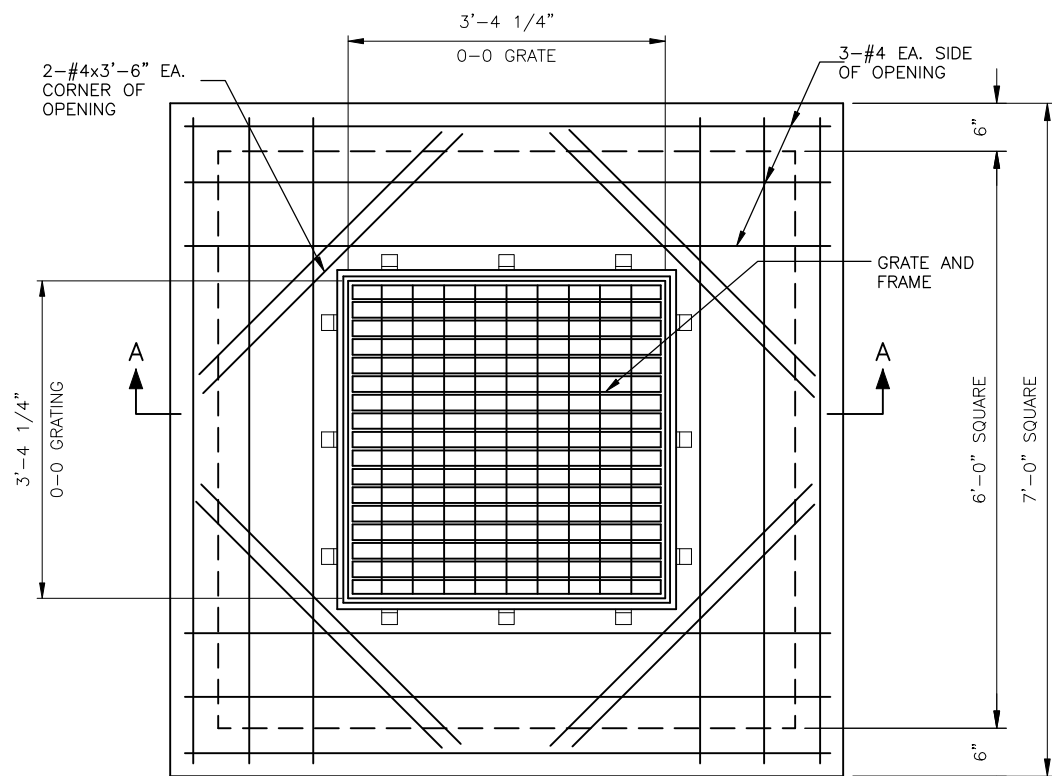
OPTIONAL JOINT DETAIL
N.T.S.

INLET NOTE
 INLET IS AN IDOT STD. 542546, FLUSH INLET BOX FOR MEDIAN. FRAME & GRATES ARE NEENAH R-3807 OR APPROVED EQUAL.

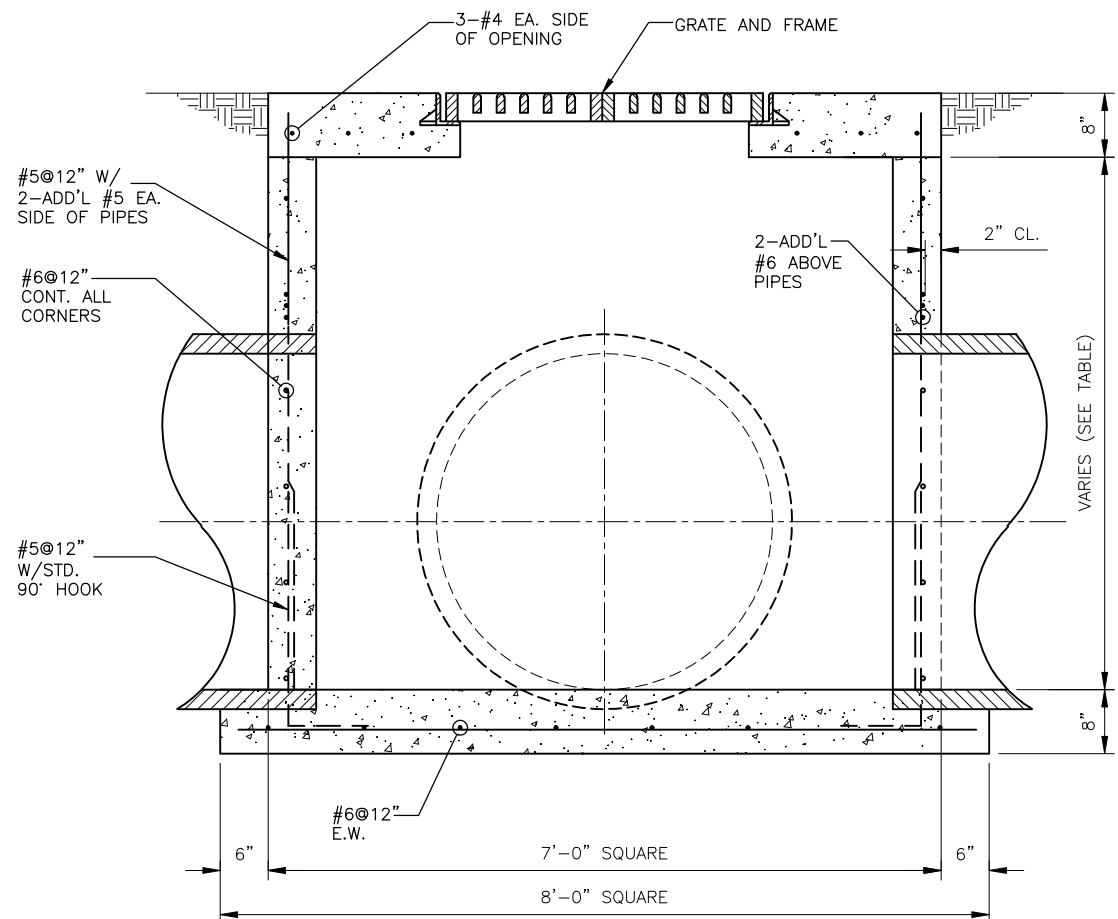
CA015

REVISIONS		
NUMBER	BY	DATE

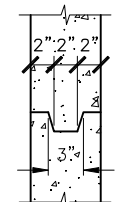
0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).



PLAN-84" INLET
 N.T.S.

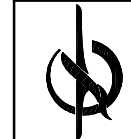


SECTION A-A
 N.T.S.



OPTIONAL JOINT DETAIL
 N.T.S.

INLET NOTE
 FRAME & GRATES ARE NEENAH R-3807
 OR APPROVED EQUAL.



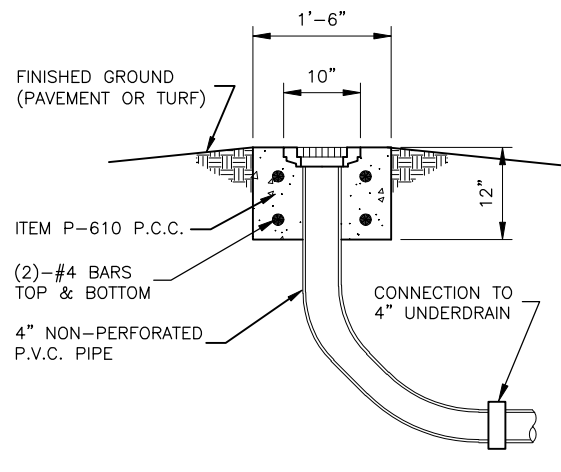
SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
 INLET DETAILS 2

© Copyright CMT, Inc.



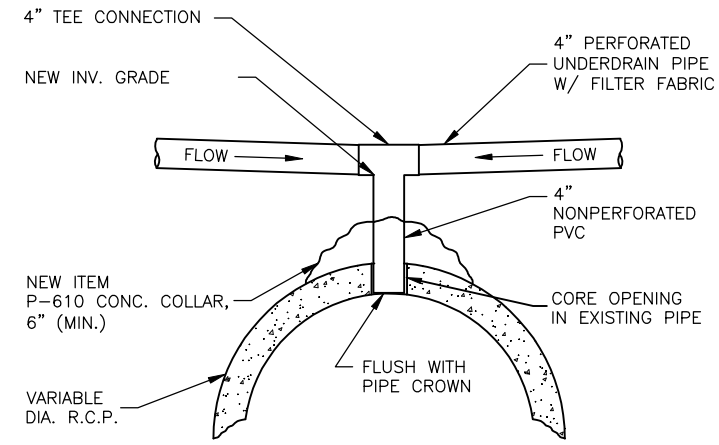
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 24 OF 47 SHEETS	



SIDE VIEW

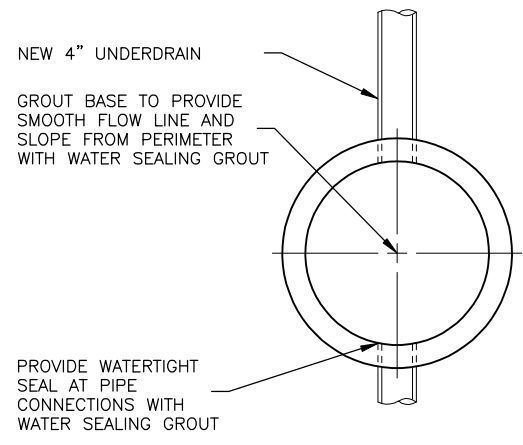
UNDERDRAIN CLEAN-OUT DETAIL (TYPE 1)

N.T.S.



UNDERDRAIN DIRECT TOP CONNECTION DETAIL

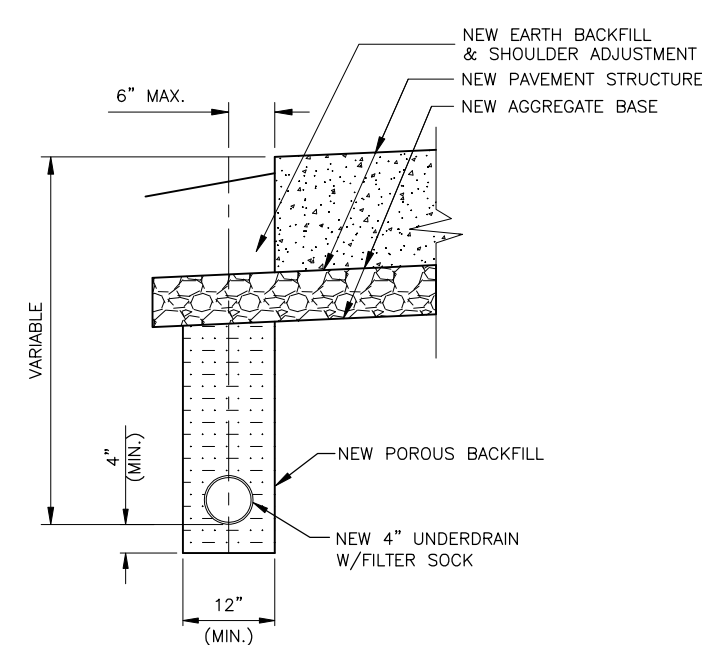
N.T.S.



PLAN

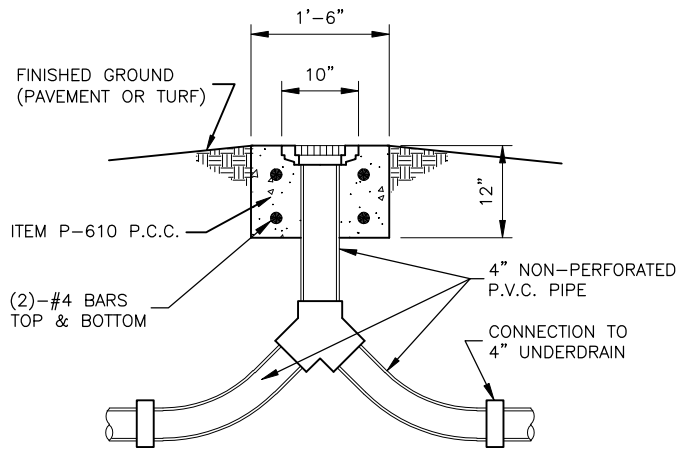
UNDERDRAIN CLEAN-OUT DETAIL

N.T.S.



TYPICAL UNDERDRAIN DETAIL PAVEMENT EDGE

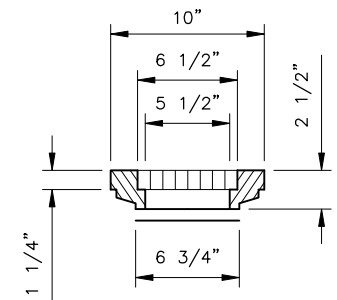
N.T.S.



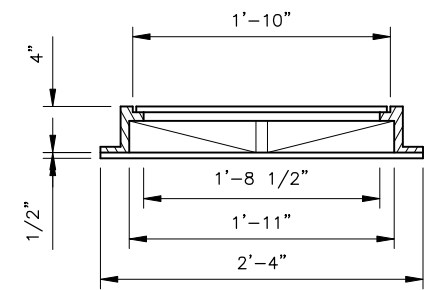
SIDE VIEW

UNDERDRAIN CLEAN-OUT DETAIL (TYPE 2)

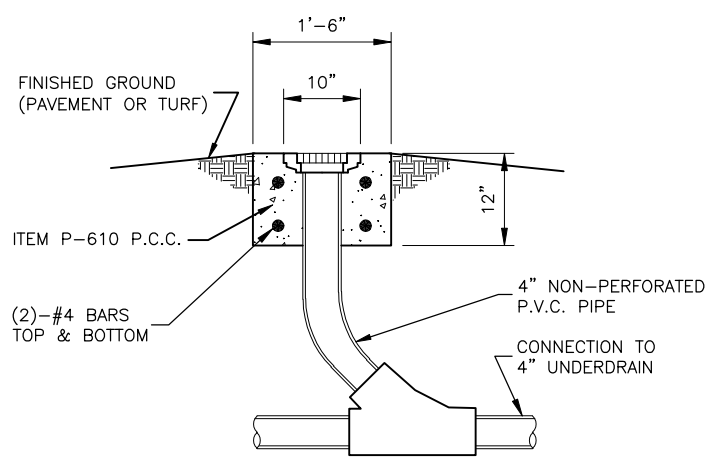
N.T.S.



FRAME & COVER



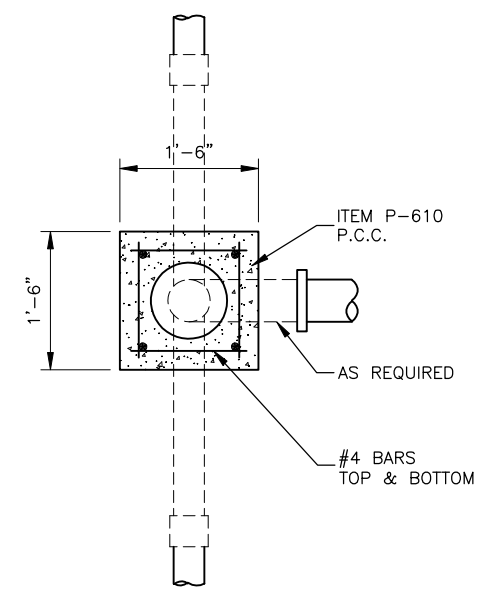
FRAME & LID



SIDE VIEW

UNDERDRAIN CLEAN-OUT DETAIL (TYPE 3)

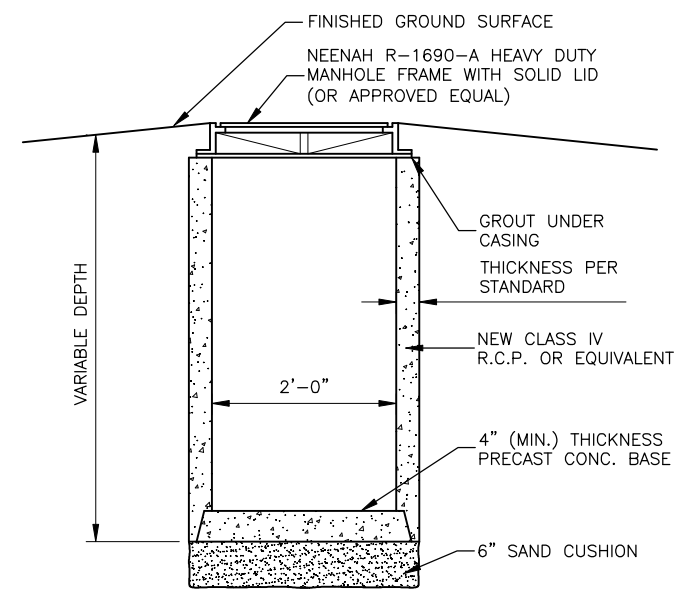
N.T.S.



PLAN

UNDERDRAIN CLEAN-OUT DETAIL

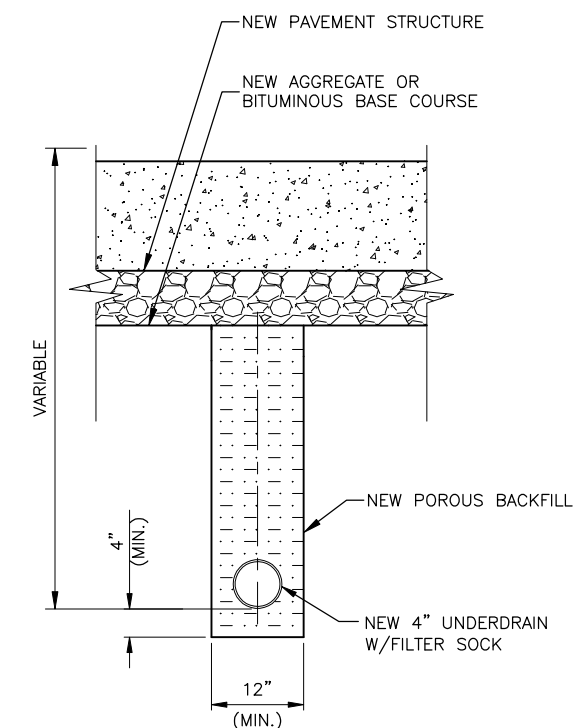
N.T.S.



SIDE VIEW

UNDERDRAIN COLLECTION STRUCTURE DETAIL

N.T.S.



TYPICAL UNDERDRAIN DETAIL BELOW PAVEMENT

N.T.S.

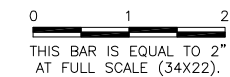
UNDERDRAIN NOTE

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.

CA015

REVISIONS

NUMBER	BY	DATE



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

MODIFY TAXIWAY B

UNDERDRAIN DETAILS

© Copyright CMT, Inc.

CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY: TJH

DRAWN BY: CMT

CHECKED BY: TJH

APPROVED BY: RLV

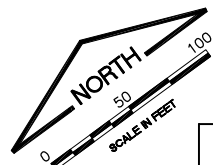
DATE: APRIL 19, 2013

JOB No: 110350300

IL PROJECT SPI-4228

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

SHEET 25 OF 47 SHEETS



LRS

LINCOLN LAND

PRIVATE HANGAR

MAINTENANCE BUILDING



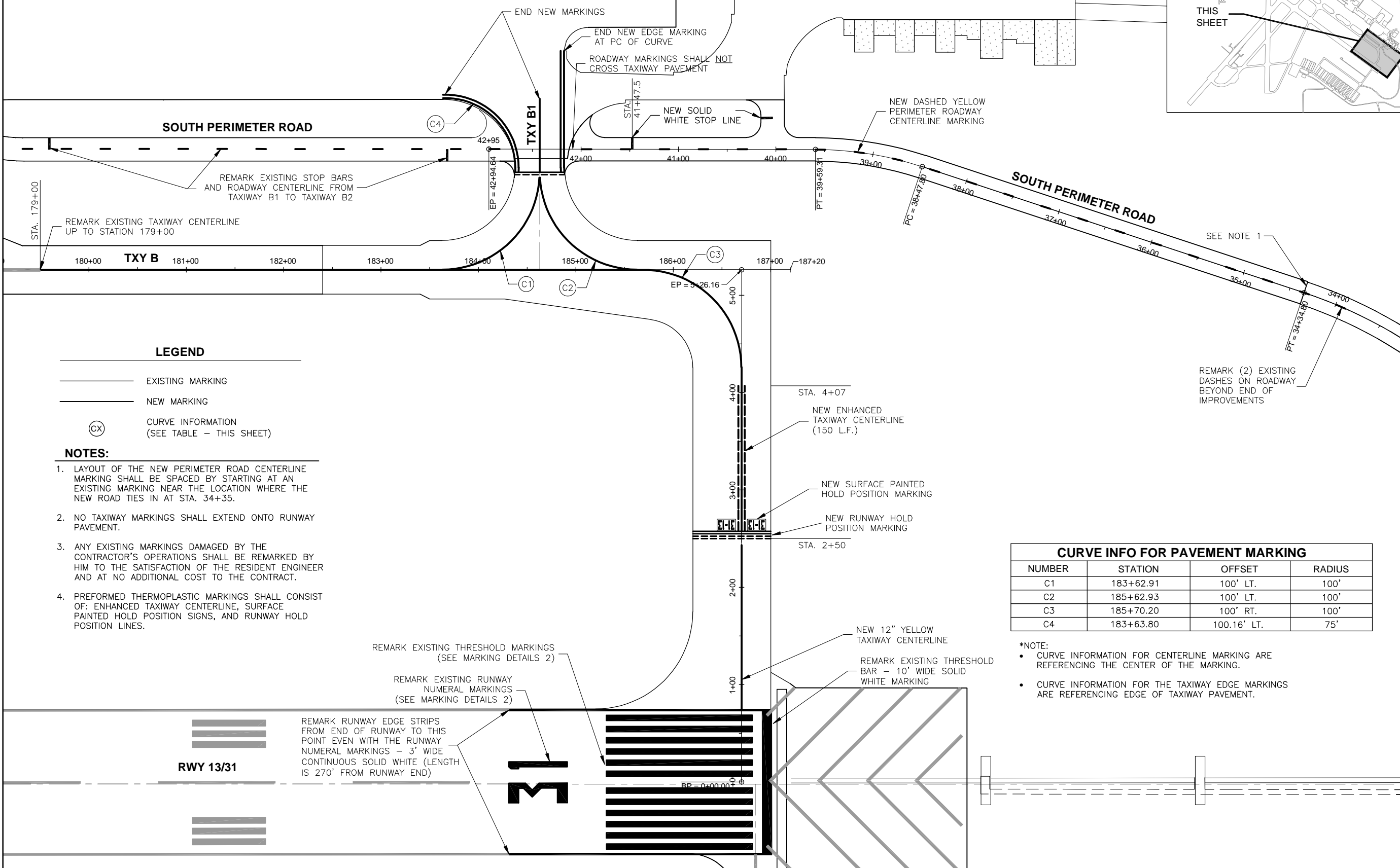
K:\SpringfieldAp\1103503\Draw\Sheets
 FILE: MARKPLAN07.dwg
 UPDATE BY: TJ Heavisesides
 PLOT DATE: 4/19/2013 1:02 PM
 SPIBASE_EXISTGEO
 BASE_PROP_GEO
 SPI-BASE-1
 1103503_C_SPAL
 BASE_PROP_MARK
 BASE_EXISTMARK
 SPI-BASE CURRENT GEOMETRY
 KEYMAP

CA015

REVISIONS

NUMBER	BY	DATE

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



LEGEND

- EXISTING MARKING
- NEW MARKING
- CURVE INFORMATION (SEE TABLE - THIS SHEET)

NOTES:

1. LAYOUT OF THE NEW PERIMETER ROAD CENTERLINE MARKING SHALL BE SPACED BY STARTING AT AN EXISTING MARKING NEAR THE LOCATION WHERE THE NEW ROAD TIES IN AT STA. 34+35.
2. NO TAXIWAY MARKINGS SHALL EXTEND ONTO RUNWAY PAVEMENT.
3. ANY EXISTING MARKINGS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REMARKED BY HIM TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AT NO ADDITIONAL COST TO THE CONTRACT.
4. PREFORMED THERMOPLASTIC MARKINGS SHALL CONSIST OF: ENHANCED TAXIWAY CENTERLINE, SURFACE PAINTED HOLD POSITION SIGNS, AND RUNWAY HOLD POSITION LINES.

CURVE INFO FOR PAVEMENT MARKING			
NUMBER	STATION	OFFSET	RADIUS
C1	183+62.91	100' LT.	100'
C2	185+62.93	100' LT.	100'
C3	185+70.20	100' RT.	100'
C4	183+63.80	100.16' LT.	75'

- *NOTE:
- CURVE INFORMATION FOR CENTERLINE MARKING ARE REFERENCING THE CENTER OF THE MARKING.
 - CURVE INFORMATION FOR THE TAXIWAY EDGE MARKINGS ARE REFERENCING EDGE OF TAXIWAY PAVEMENT.



SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
 MARKING PLAN

© Copyright CMT, Inc.

 CMT
 GRAVEMO, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

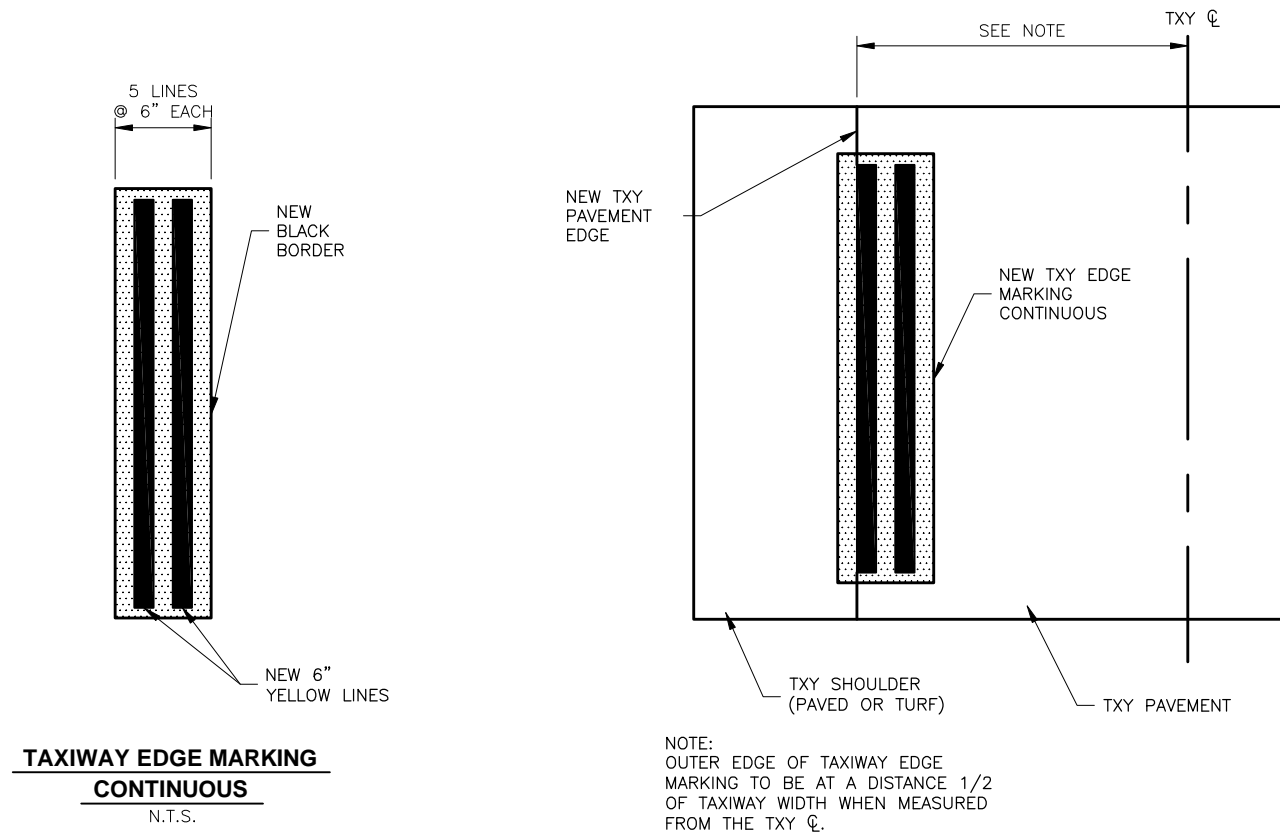
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 26 OF 47 SHEETS	

CA015

REVISIONS

NUMBER	BY	DATE

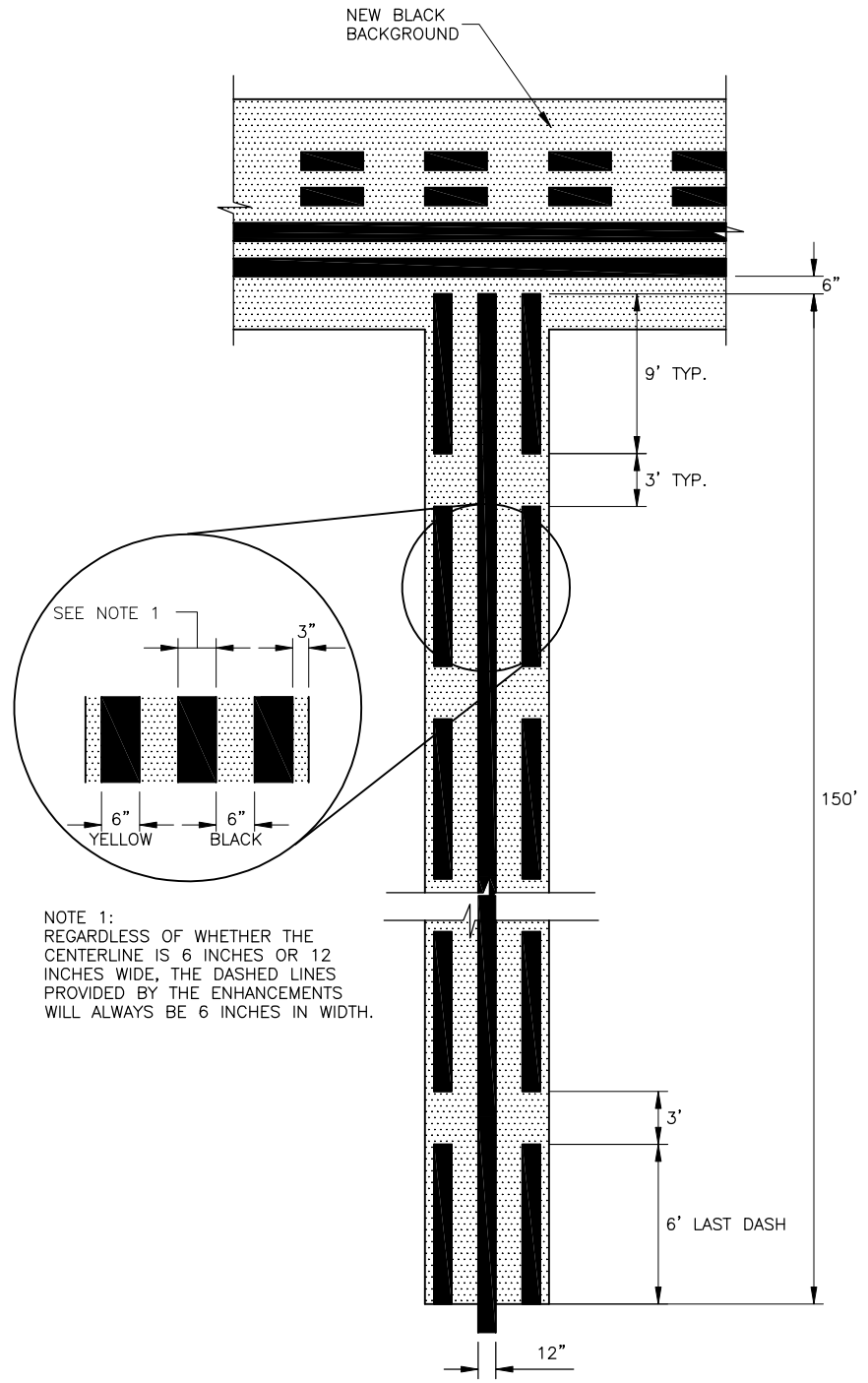
0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).



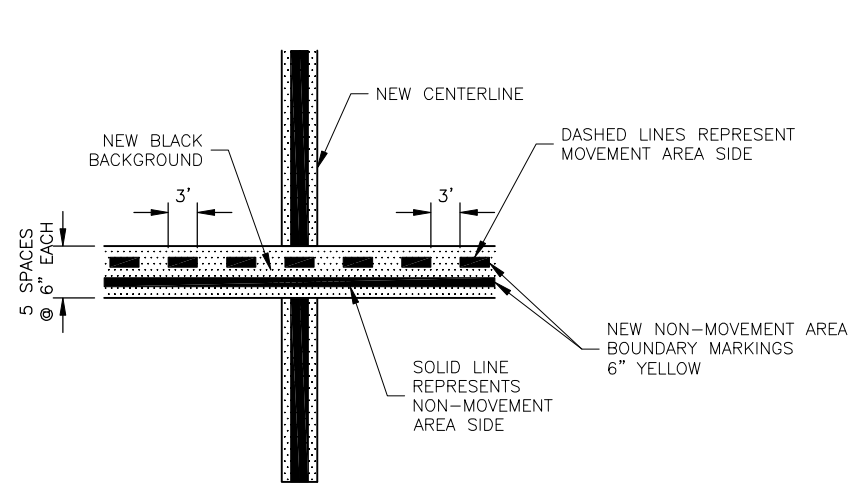
**TAXIWAY EDGE MARKING
 CONTINUOUS**
 N.T.S.

**TAXIWAY EDGE MARKING
 LOCATION DETAIL**
 N.T.S.

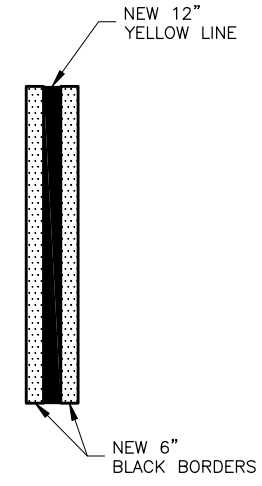
- MARKING NOTE**
1. ALL NEW AIRFIELD MARKING SHALL HAVE REFLECTIVE BEADS & 6" BLACK BORDER.
 2. REFLECTIVE BEADS ARE NOT TO BE PLACED IN THE BLACK BORDER.



**ENHANCED TAXIWAY
 CENTERLINE MARKING (THERMOPLASTIC)**
 N.T.S.



**NON-MOVEMENT AREA
 BOUNDARY MARKING**
 N.T.S.



**TAXIWAY CENTERLINE
 CONTINUOUS**
 N.T.S.



SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

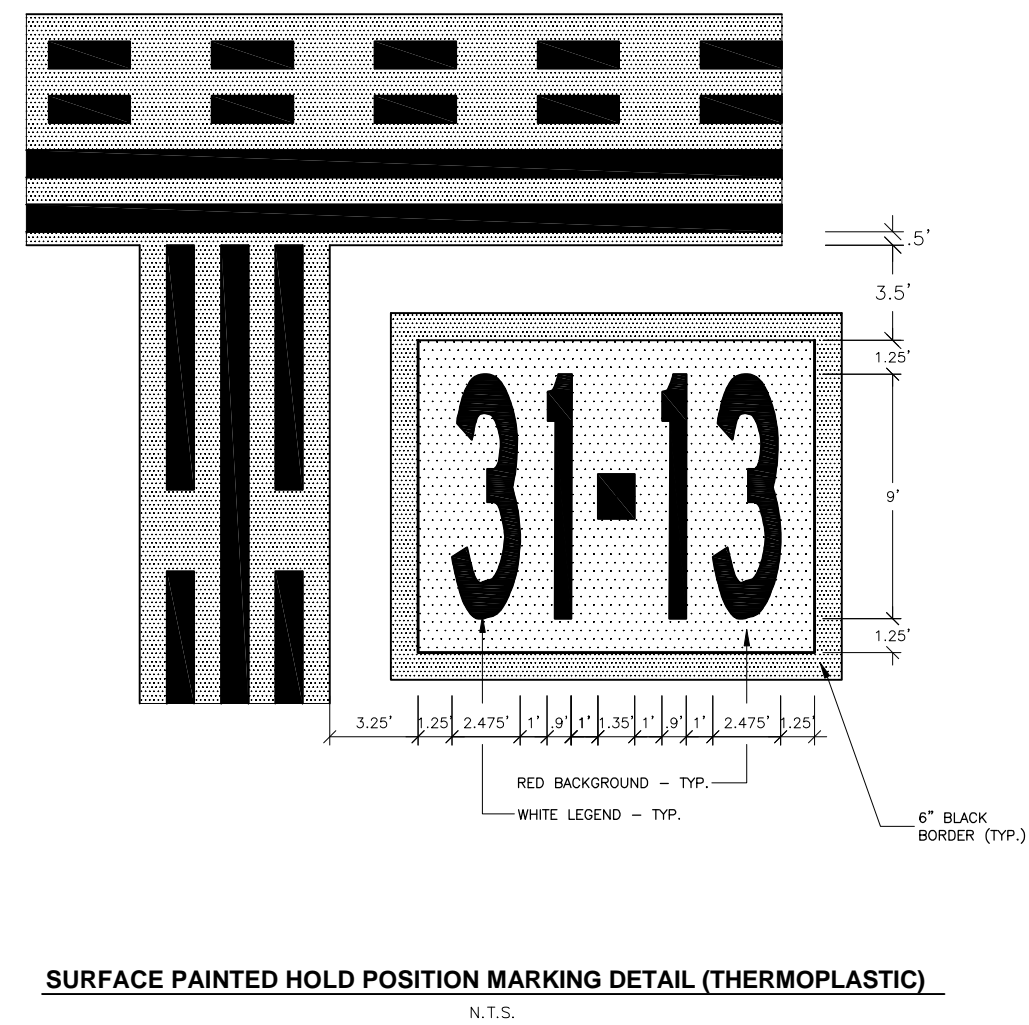
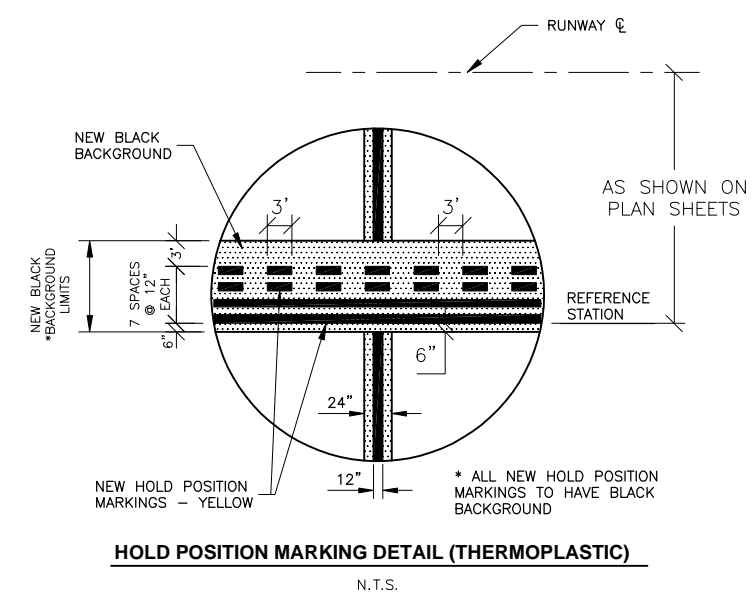
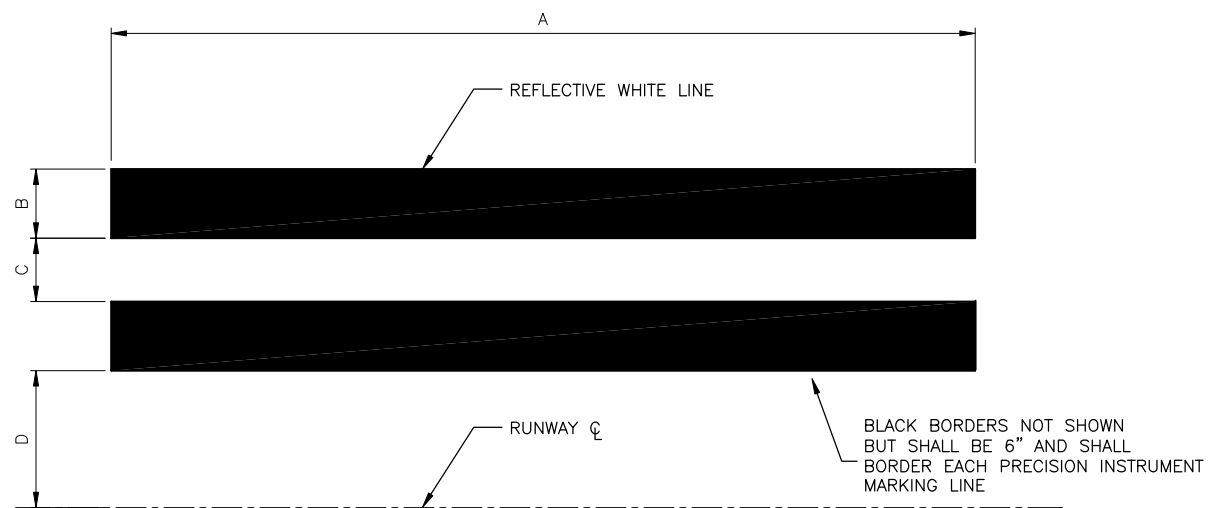
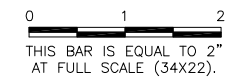
MODIFY TAXIWAY B
 MARKING DETAILS 1



DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 27 OF 47 SHEETS	

CA015

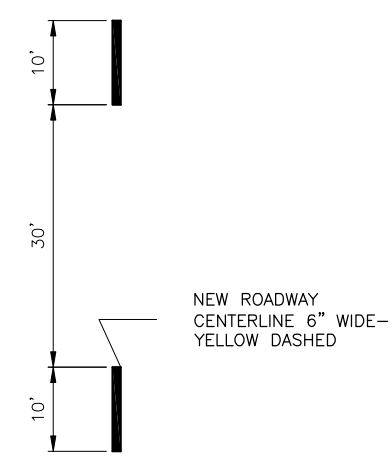
REVISIONS		
NUMBER	BY	DATE



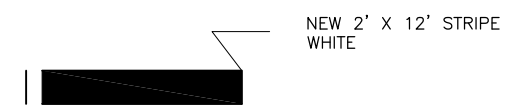
150' RUNWAY				
MARKING (PER RUNWAY END)	DIMENSION			
	A	B	C	D
THRESHOLD MARKER*	150'	5.75'	5.75'	5.75'

*12 STRIPES TOTAL

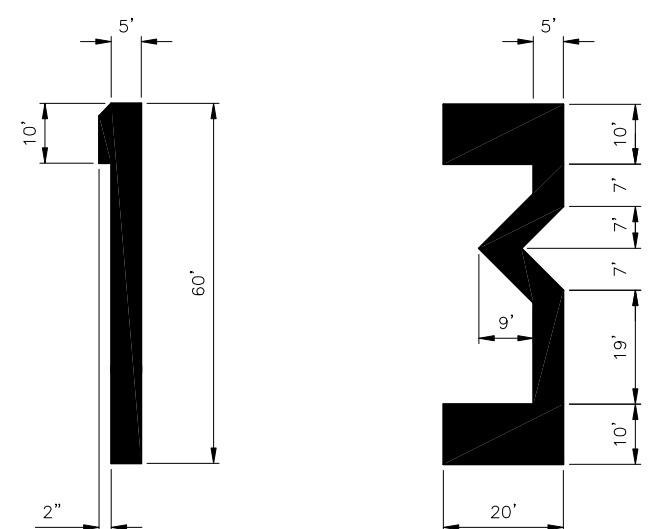
PRECISION INSTRUMENT MARKING DETAIL
N.T.S.



ROADWAY CENTERLINE - DASHED
N.T.S.



NEW ROADWAY STOPLINE
N.T.S.



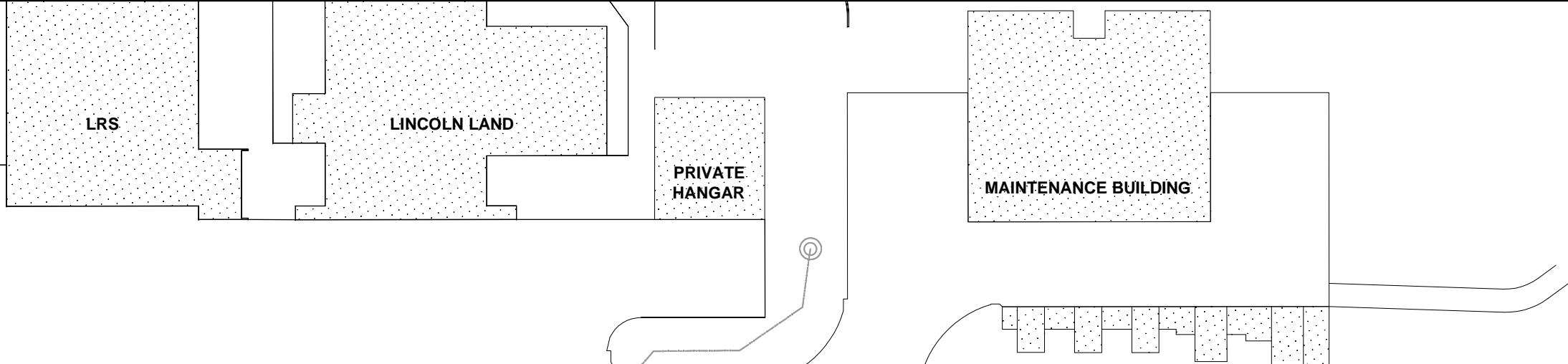
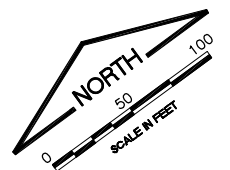
RUNWAY NUMERALS DETAIL
N.T.S.

- MARKING NOTES**
- ALL NEW AIRFIELD MARKING SHALL HAVE REFLECTIVE BEADS & 6" BLACK BORDER.
 - BLACK BORDERS SHALL NOT HAVE REFLECTIVE BEADS.

SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS
 MODIFY TAXIWAY B
 MARKING DETAILS 2

© Copyright CMT, Inc.
CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

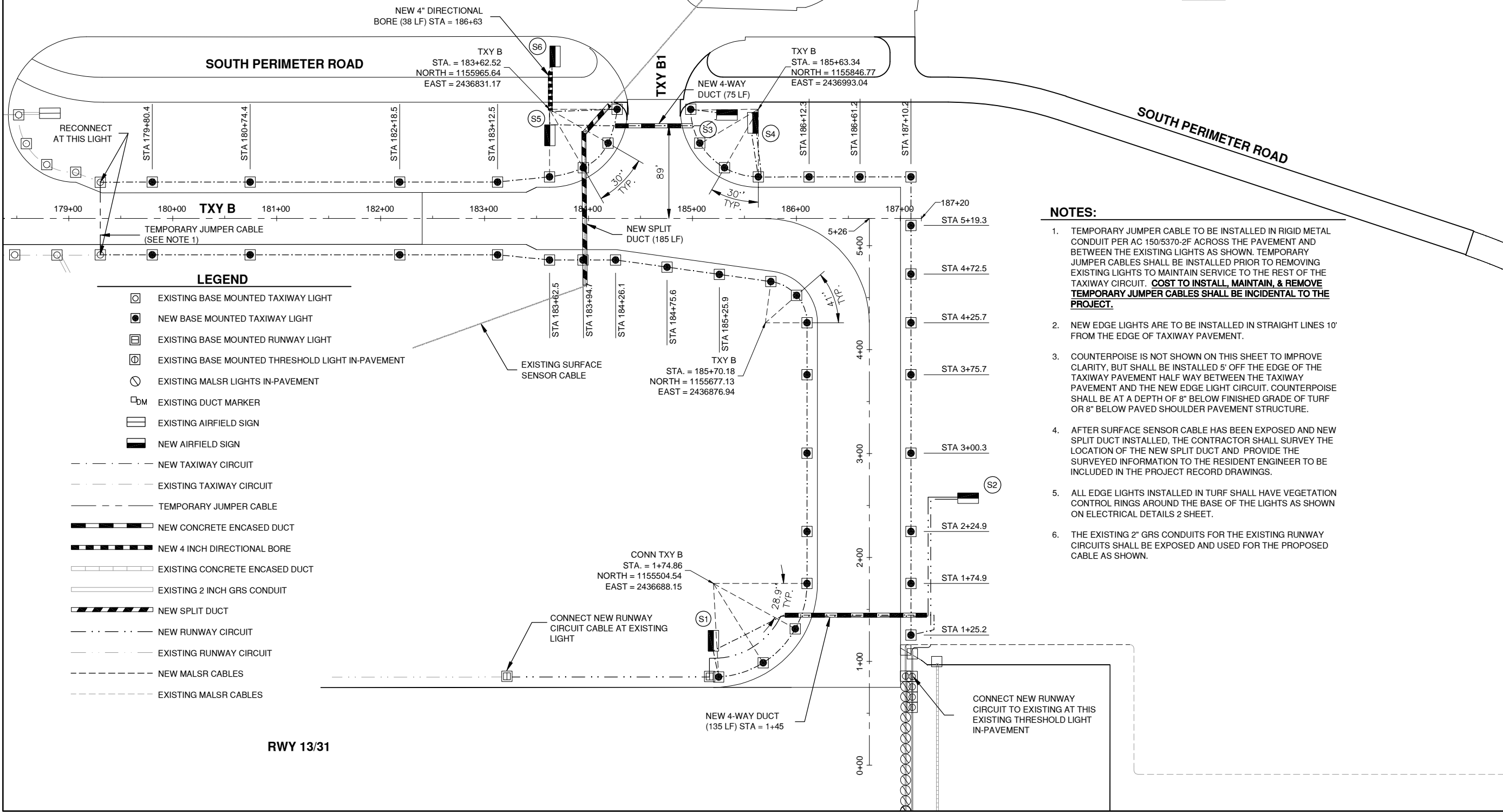
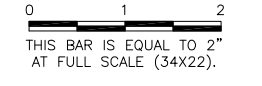
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 28 OF 47 SHEETS	



K:\SpringfieldAp\1103503\Draw\Sheets
 FILE: ELECPLAN01.dwg
 UPDATE BY: TJ Heavisides
 PLOT DATE: 4/19/2013 1:02 PM
 SPIBASE_EXISTGEO
 BASE_PROP_GEO
 SPI-BASE-1
 SPI-BASE CURRENT GEOMETRY
 SPI_UH
 ACAD-1103503-V-VF3D
 1130503-E-AL

CA015

REVISIONS		
NUMBER	BY	DATE



LEGEND

- EXISTING BASE MOUNTED TAXIWAY LIGHT
- NEW BASE MOUNTED TAXIWAY LIGHT
- EXISTING BASE MOUNTED RUNWAY LIGHT
- EXISTING BASE MOUNTED THRESHOLD LIGHT IN-PAVEMENT
- EXISTING MALS LIGHTS IN-PAVEMENT
- EXISTING DUCT MARKER
- EXISTING AIRFIELD SIGN
- NEW AIRFIELD SIGN
- NEW TAXIWAY CIRCUIT
- EXISTING TAXIWAY CIRCUIT
- TEMPORARY JUMPER CABLE
- NEW CONCRETE ENCASED DUCT
- NEW 4 INCH DIRECTIONAL BORE
- EXISTING CONCRETE ENCASED DUCT
- EXISTING 2 INCH GRS CONDUIT
- NEW SPLIT DUCT
- NEW RUNWAY CIRCUIT
- EXISTING RUNWAY CIRCUIT
- NEW MALS CABLES
- EXISTING MALS CABLES


NOTES:

1. TEMPORARY JUMPER CABLE TO BE INSTALLED IN RIGID METAL CONDUIT PER AC 150/5370-2F ACROSS THE PAVEMENT AND BETWEEN THE EXISTING LIGHTS AS SHOWN. TEMPORARY JUMPER CABLES SHALL BE INSTALLED PRIOR TO REMOVING EXISTING LIGHTS TO MAINTAIN SERVICE TO THE REST OF THE TAXIWAY CIRCUIT. **COST TO INSTALL, MAINTAIN, & REMOVE TEMPORARY JUMPER CABLES SHALL BE INCIDENTAL TO THE PROJECT.**
2. NEW EDGE LIGHTS ARE TO BE INSTALLED IN STRAIGHT LINES 10' FROM THE EDGE OF TAXIWAY PAVEMENT.
3. COUNTERPOISE IS NOT SHOWN ON THIS SHEET TO IMPROVE CLARITY, BUT SHALL BE INSTALLED 5' OFF THE EDGE OF THE TAXIWAY PAVEMENT HALF WAY BETWEEN THE TAXIWAY PAVEMENT AND THE NEW EDGE LIGHT CIRCUIT. COUNTERPOISE SHALL BE AT A DEPTH OF 8" BELOW FINISHED GRADE OF TURF OR 8" BELOW PAVED SHOULDER PAVEMENT STRUCTURE.
4. AFTER SURFACE SENSOR CABLE HAS BEEN EXPOSED AND NEW SPLIT DUCT INSTALLED, THE CONTRACTOR SHALL SURVEY THE LOCATION OF THE NEW SPLIT DUCT AND PROVIDE THE SURVEYED INFORMATION TO THE RESIDENT ENGINEER TO BE INCLUDED IN THE PROJECT RECORD DRAWINGS.
5. ALL EDGE LIGHTS INSTALLED IN TURF SHALL HAVE VEGETATION CONTROL RINGS AROUND THE BASE OF THE LIGHTS AS SHOWN ON ELECTRICAL DETAILS 2 SHEET.
6. THE EXISTING 2" GRS CONDUITS FOR THE EXISTING RUNWAY CIRCUITS SHALL BE EXPOSED AND USED FOR THE PROPOSED CABLE AS SHOWN.

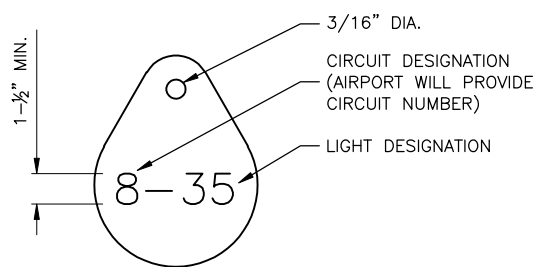
RWY 13/31


 SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
 ELECTRICAL & LIGHTING PLAN

© Copyright CMT, Inc.

CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	
APPROVED BY:	
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 29 OF 47 SHEETS	

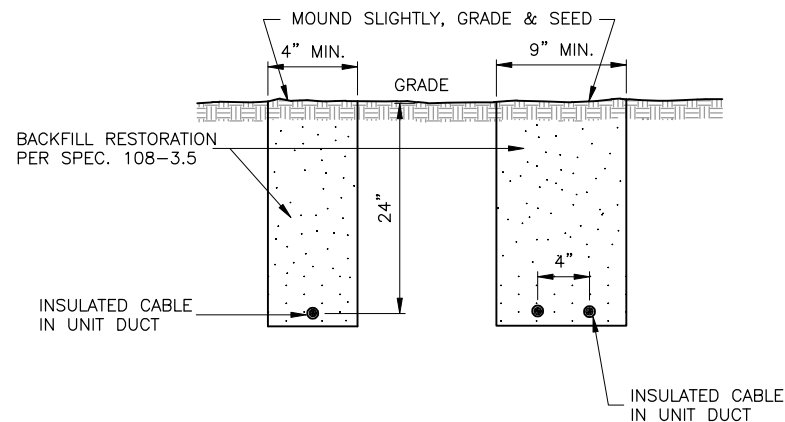


LIGHT IDENTIFICATION DETAIL

N.T.S.

LIGHT IDENTIFICATION 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.

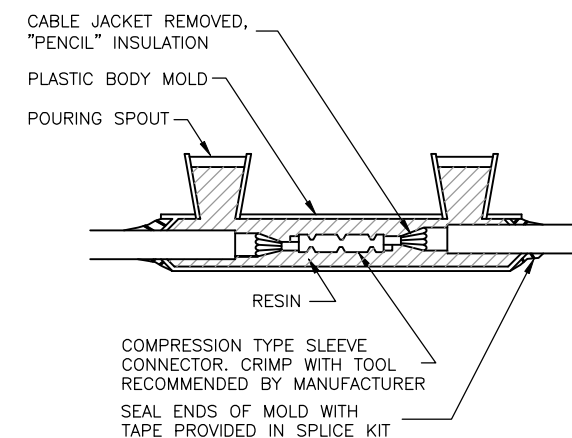


TRENCH DETAIL

N.T.S.

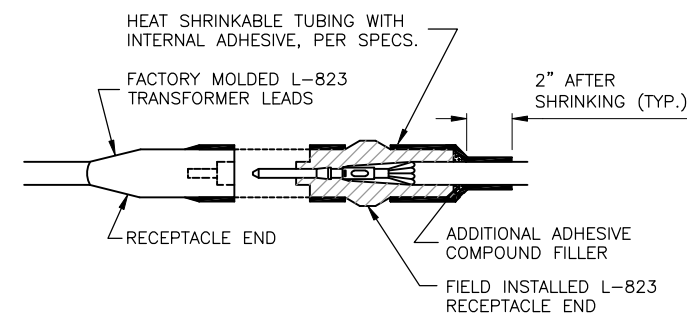
TRENCH NOTES

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.



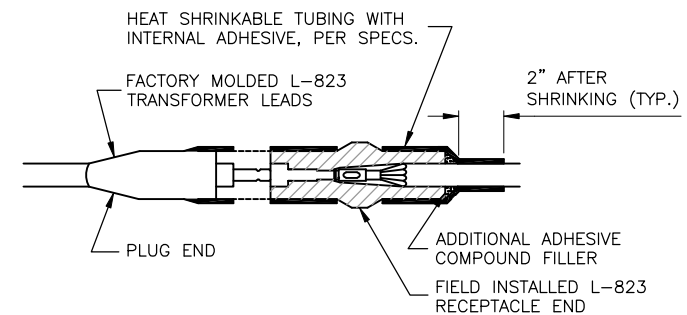
FOR IN-LINE CONNECTIONS OF EXISTING CABLES CUT DURING CONSTRUCTION.

TYPE A



FOR SPLICES AT TAXIWAY LIGHTS AND SIGNS.

TYPE C



FOR SPLICES AT TAXIWAY LIGHTS AND SIGNS.

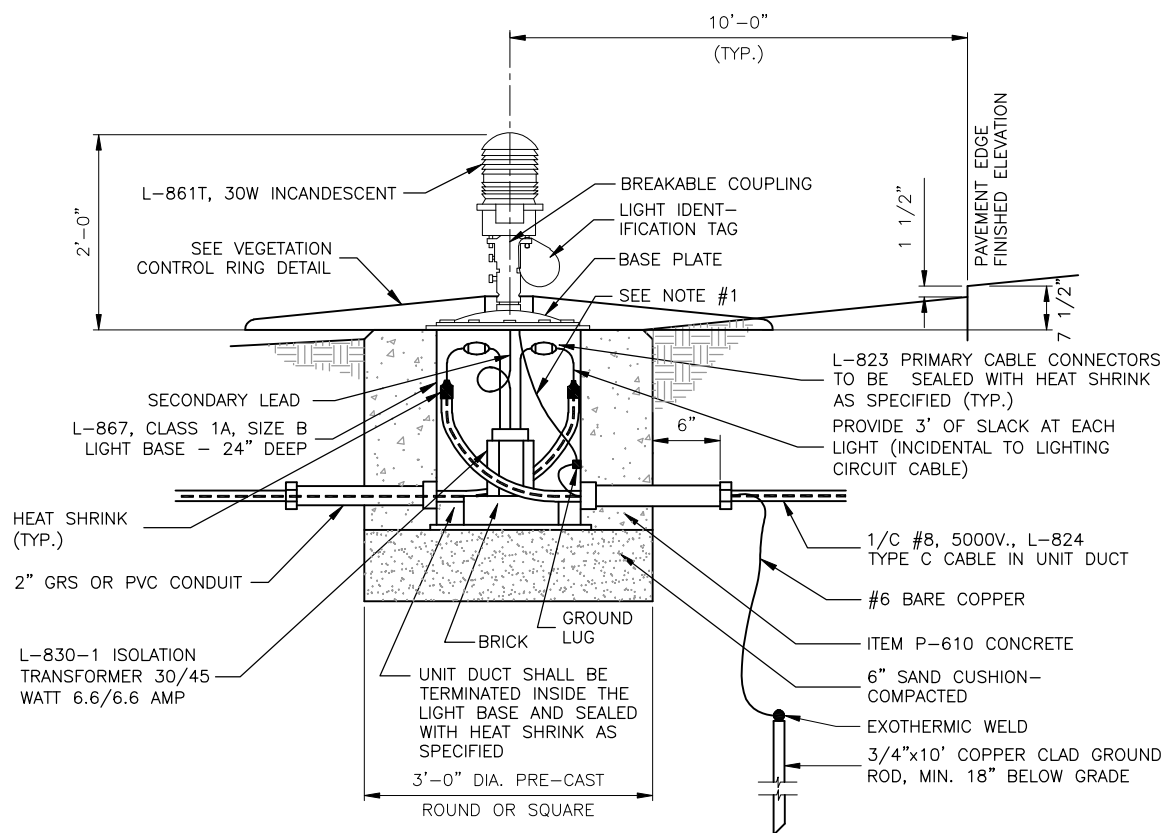
TYPE D

CABLE SPLICES

N.T.S.

CABLE SPLICE 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.



EDGE LIGHT NOTES

1. THE LIGHT FIXTURE SHALL BE BONDED TO THE LIGHT BASE INTERNAL GROUND LUG VIA A #6 AWG STRANDED COPPER WIRE RATED FOR 600 VOLTS WITH GREEN XHHW INSULATION. THE GROUND WIRE LENGTH SHALL BE SUFFICIENT TO ALLOW THE REMOVAL OF THE LIGHT FIXTURE FROM THE LIGHT BASE FOR ROUTINE MAINTENANCE. SEE THE LIGHT FIXTURE MANUFACTURER'S INSTRUCTIONS FOR PROPER METHODS OF ATTACHING THIS BONDING WIRE.

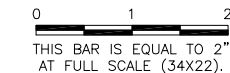
BASE MOUNTED EDGE LIGHTS - IN TURF

N.T.S.

CA015

REVISIONS

NUMBER	BY	DATE

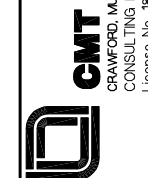


SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

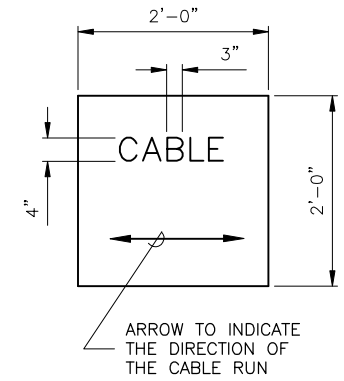
MODIFY TAXIWAY B

ELECTRICAL DETAILS 1

© Copyright CMT, Inc.

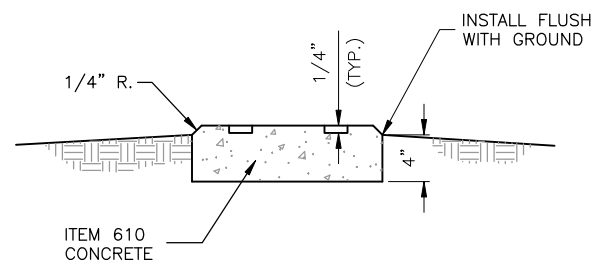


DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 30 OF 47 SHEETS	

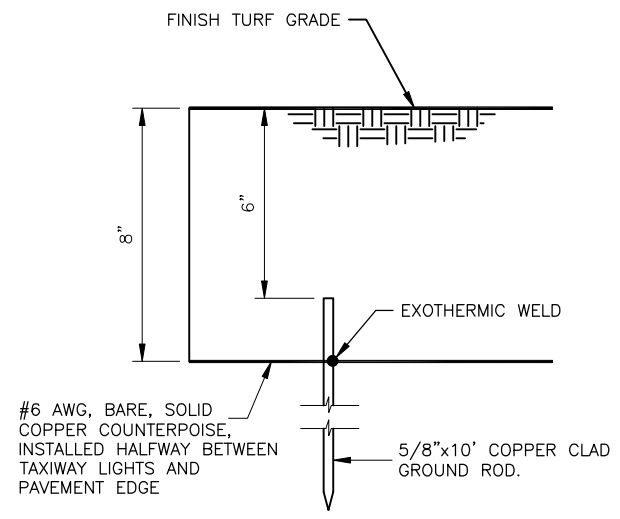


TURF CABLE / SPLICE MARKER NOTES

1. CABLE MARKERS SHALL BE INSTALLED AT ALL BENDS AND EVERY 200' ALONG THE HOMERUN.
2. ITEM 610 CONCRETE SHALL BE USED.
3. ALL EXPOSED EDGES SHALL BE EDGED WITH A 1/4" RADIUS TOOL.
4. THE COST OF FURNISHING AND INSTALLING NEW MARKERS SHALL BE INCIDENTAL TO THE ASSOCIATED ITEMS.
5. 0.049 CU. YD. CONCRETE PER MARKER.
6. A MARKER CONFORMING TO THIS DETAIL MARKED "SPLICE" SHALL BE INSTALLED AT ALL SPLICE LOCATIONS NOT IN LIGHT CANS OR MANHOLES.



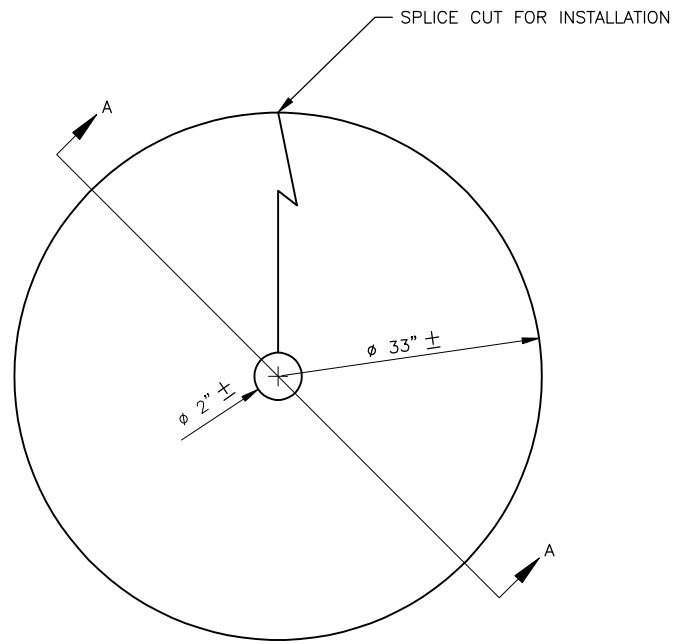
TURF CABLE / SPLICE MARKER DETAILS
 N.T.S.



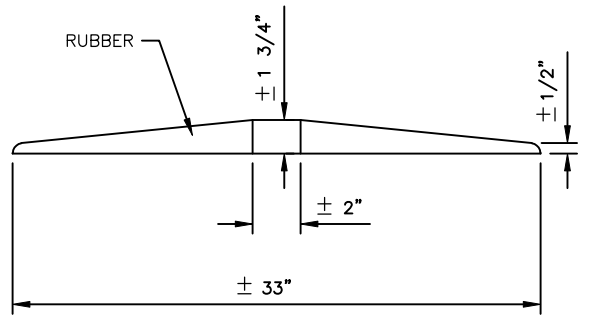
#6 AWG, BARE, SOLID COPPER COUNTERPOISE, INSTALLED HALFWAY BETWEEN TAXIWAY LIGHTS AND PAVEMENT EDGE

NOTE:
 GROUND RODS SHALL BE INSTALLED AT 500' INTERVALS AND AT END OF RUNS.

COUNTERPOISE INSTALLATION
 N.T.S.



PLAN VIEW
 N.T.S.

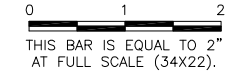


SECTION A-A
 N.T.S.

VEGETATION CONTROL RING DETAIL
 N.T.S.

CA015

REVISIONS		
NUMBER	BY	DATE



SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
 ELECTRICAL DETAILS 2

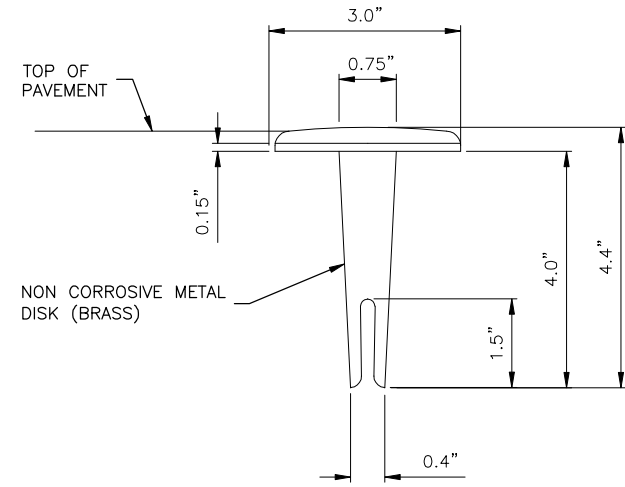
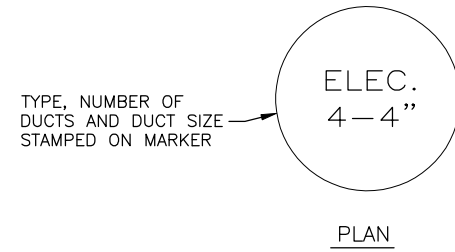
© Copyright CMT, Inc.
CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000618

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET	31 OF 47 SHEETS

CA015

REVISIONS		
NUMBER	BY	DATE

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

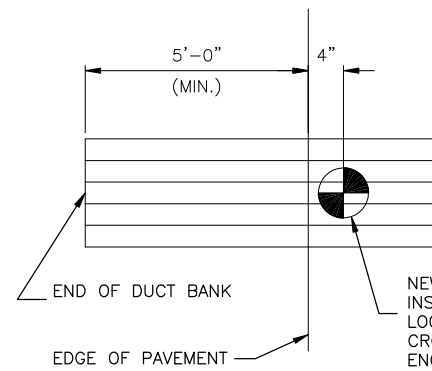


SECTION

DUCT MARKER DETAILS

N.T.S.

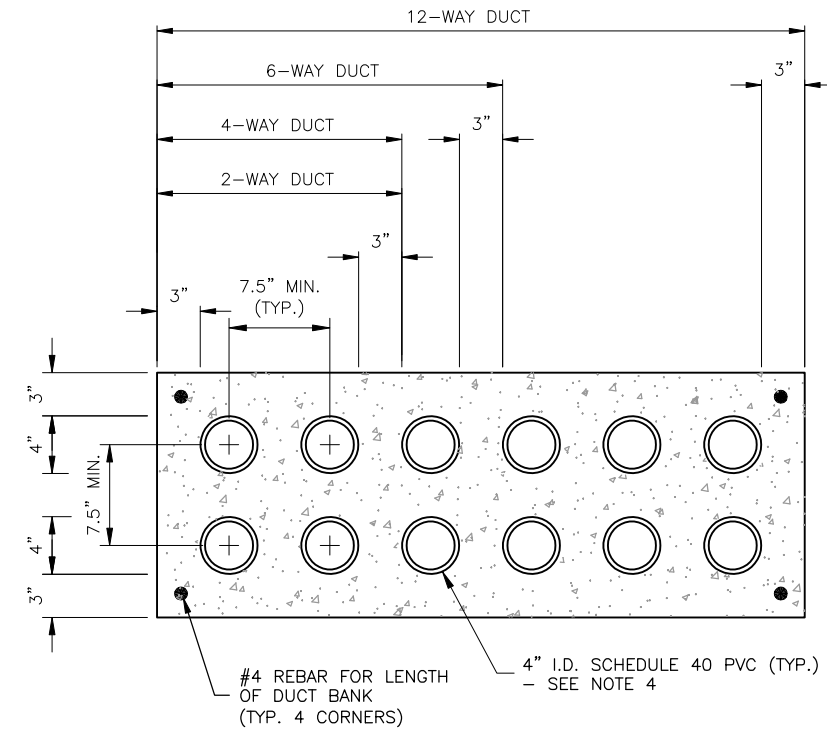
NEW DUCT MARKERS SHALL BE INSTALLED AT BOTH EDGES OF PAVEMENT AT ALL NEW DIRECTIONAL BORE, SPLIT DUCT, AND CONCRETE ENCASED DUCT LOCATIONS.



MARKER PLACEMENT

DUCT MARKERS SHALL BE RECESSED AND GROUTED INTO THE PAVEMENTS.

NEW DUCT MARKER SHALL BE INSTALLED AT ALL DUCT BANK LOCATIONS AND UTILITY CROSSINGS AS DIRECTED BY THE ENGINEER.



DUCT BANK DETAIL


N.T.S.

DUCT BANK NOTES

1. DIMENSIONS SHOWN ARE MINIMUM.
2. TOP OF CONCRETE ENCASEMENT TO BE NOT LESS THAN 24" BELOW FINISHED SUBGRADE.
3. DUCT CONCRETE SHALL BE ITEM 610 STRUCTURAL P.C.C. CONCRETE.
4. ALL DUCT SHALL BE 4" INSIDE DIAMETER.
5. LOCATIONS SHOWN ARE APPROXIMATE. DUCT BANKS SHALL BE INSTALLED AT LOCATIONS DESIGNATED BY THE ENGINEER.
6. CONTRACTOR SHALL INSTALL DUCT BANKS AT A DEPTH WHICH WILL NOT CONFLICT WITH ELEVATION SENSITIVE UTILITIES.
7. 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.
8. DUCT BANKS SHALL EXTEND A MINIMUM OF 5' BEYOND THE NEW EDGE OF PAVEMENT.
9. BOTH ENDS OF THE DUCT BANK SHALL BE CONSTRUCTED WITH THE BELL END FLUSH WITH THE FACE OF THE PCC DUCT BANK.

SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
 ELECTRICAL DETAILS 3

© Copyright CMT, Inc.

CMT
 GRAWMORE MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000618

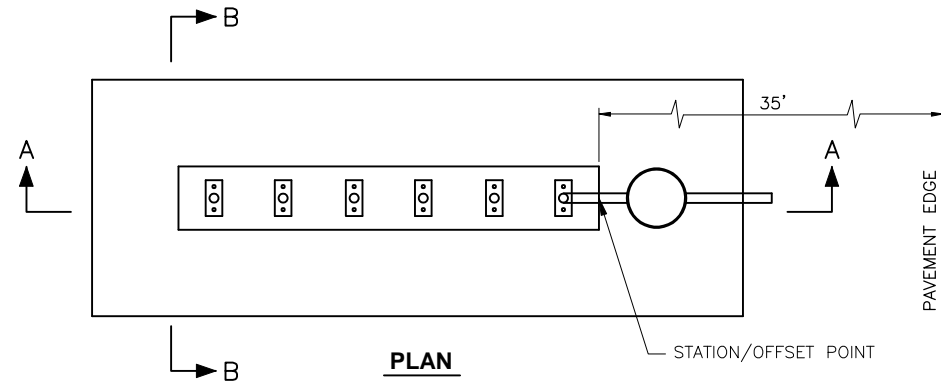
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 32 OF 47 SHEETS	

SIGNAGE SCHEDULE

SIGN #	SIDE	NEW SIGN LEGEND	WHITE ON RED BACKGROUND	WHITE WITH BLACK OUTLINE ON RED BACKGROUND	BLACK LEGEND ON YELLOW BACKGROUND	YELLOW LEGEND ON BLACK BACKGROUND	NUMBER OF CHARACTERS	NEW POWER CIRCUIT	NOTES	BASELINE	STATION	OFFSET
S1	NW	← B			← B		2	TXY B	NEW SIGN	NEW SIGN	1+09.9	129.9' LT.
S2	NE SW	B 31-13 B		31-13		B B	6	RWY 13/31	NEW SIGN	CONN. TXY B	2+57.0	85.0' RT.
S3	NE	B1 ← B →			← B →		5	TXY B	NEW SIGN	CONN. TXY B	185+23.2	99.5' RT.
S4	NW SE	⊖ STOP	STOP	⊖			4	TXY B	NEW SIGN	TXY B	185+57.9	101.9' RT.
S5	NW	← B1 B B →		18	← B1 B →	B	6	TXY B	NEW SIGN	TXY B	182+63.0	70.0' LT.
S6	NW SE	⊖ STOP	STOP	⊖			4	TXY B	NEW SIGN	TXY B	183+67.9	145.8' LT.

NOTES

1. STATION AND OFFSET OF THE SIGN ARE GIVEN TO THE MIDDLE OF SIDE THAT LIES CLOSEST TO THE EDGE OF PAVEMENT (SEE DETAIL BELOW).

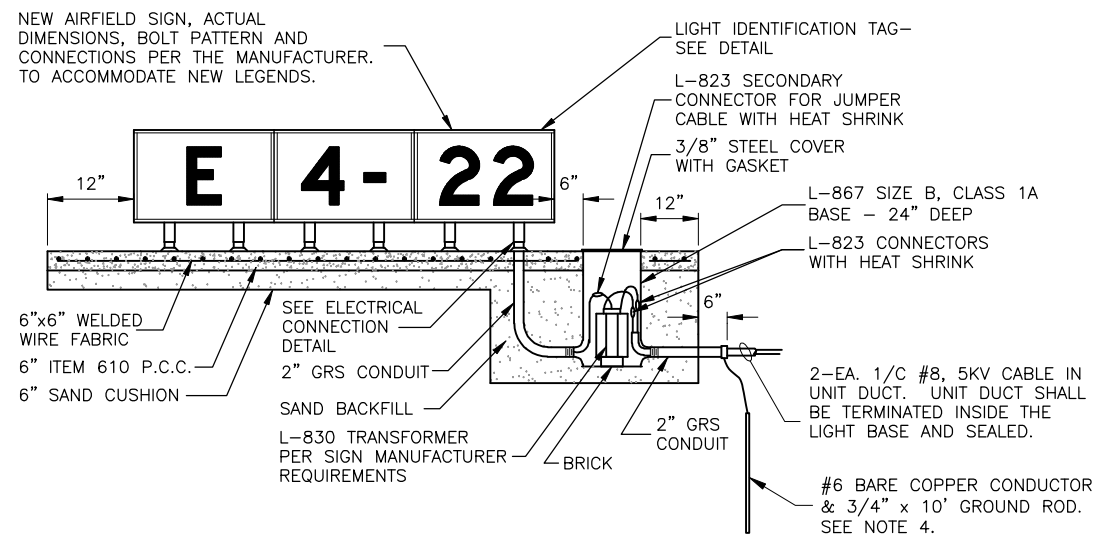


AIRFIELD SIGN NOTES

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

NOTES

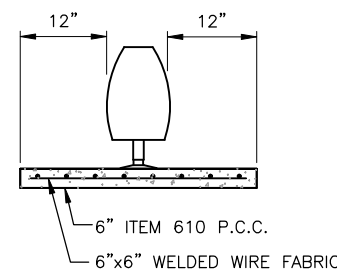
1. SIGN SCHEDULE IS SUBJECT TO FAA APPROVAL OF THE SIGNAGE PLAN.
 2. CHANGES TO NEW LEGENDS MAY OCCUR SUBJECT TO 1 ABOVE.
 3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH NEW LEGENDS FOR APPROVAL PRIOR TO STARTING MANUFACTURE.
 4. EXISTING SIGNS ARE LUMACURVE.
- RUNWAY 13/31 CIRCUIT IS STYLE 3 CIRCUIT.



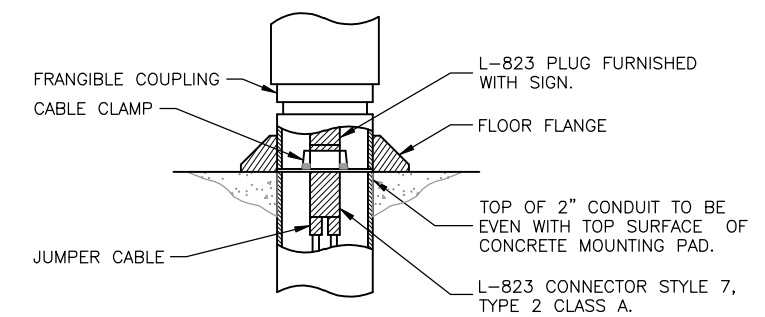
SECTION A-A

L-858 AIRFIELD SIGN DETAILS

N.T.S.



SECTION B-B



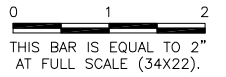
ELECTRICAL CONNECTION DETAIL

N.T.S.

CA015

REVISIONS

NUMBER	BY	DATE



SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

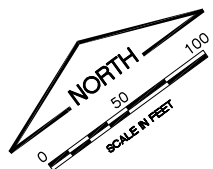
MODIFY TAXIWAY B

AIRFIELD SIGNAGE DETAIL

© Copyright CMT, Inc.



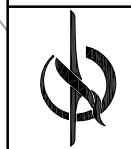
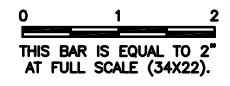
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET	33 OF 47 SHEETS



K:\Springfield\1103503\Draw\Sheets
 FILE: TURFPLAN.dwg
 UPDATE BY: TJ Heaviesides
 PLOT DATE: 4/19/2013 2:10 PM
 BASE_PROJ: GEO
 1103503-C_SPL
 1103503-C-7200
 BASE_PROJ_TURF
 SPI-BASE CURRENT GEOMETRY
 BASE_PROPDRAIN

CA015

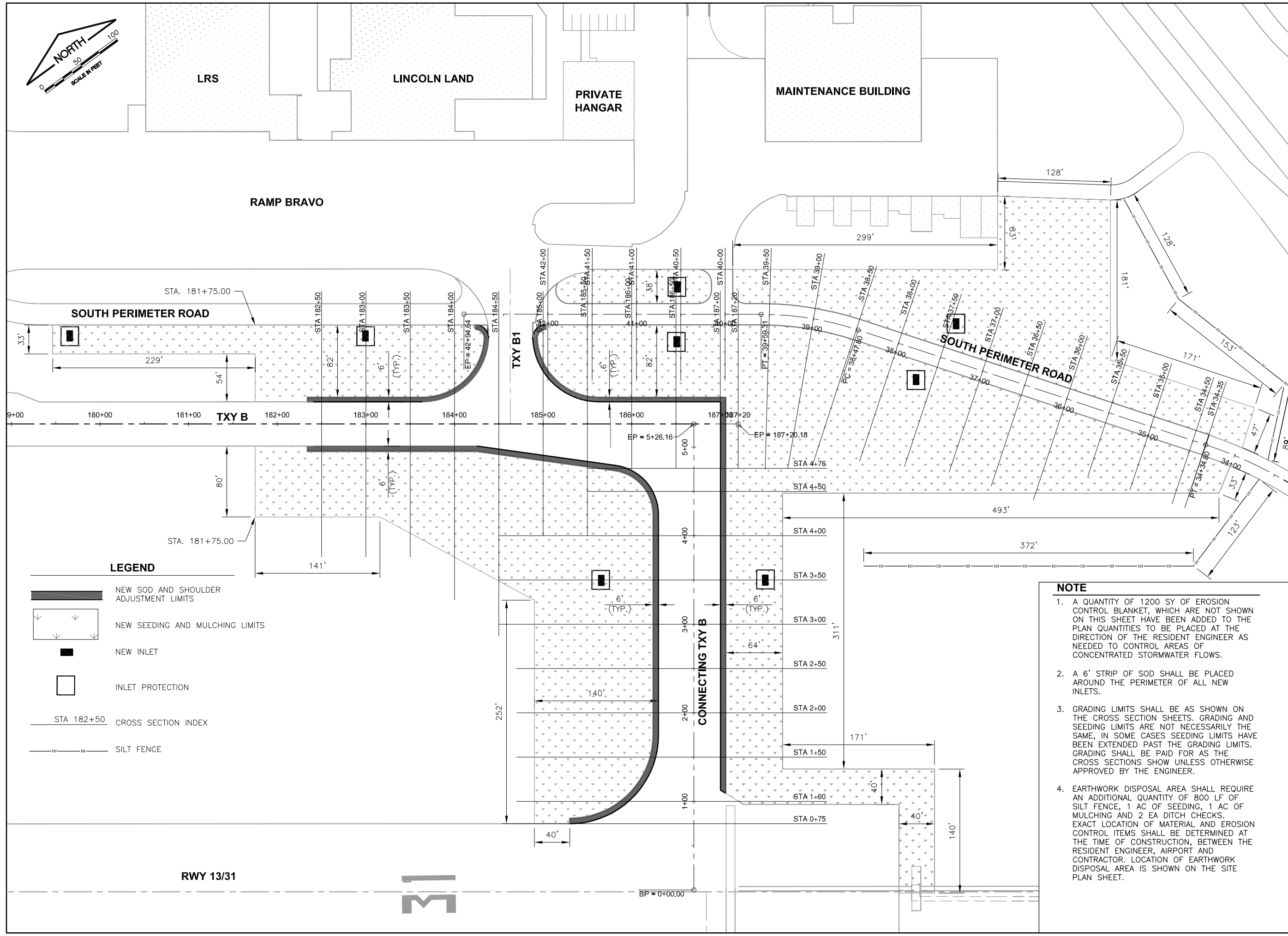
REVISIONS		
NUMBER	BY	DATE








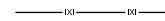
SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B

TURFING PLAN & INDEX TO CROSS SECTIONS



LEGEND

-  NEW SOD AND SHOULDER ADJUSTMENT LIMITS
-  NEW SEEDING AND MULCHING LIMITS
-  NEW INLET
-  INLET PROTECTION
-  CROSS SECTION INDEX
-  SILT FENCE

NOTE

1. A QUANTITY OF 1200 SY OF EROSION CONTROL BLANKET, WHICH ARE NOT SHOWN ON THIS SHEET HAVE BEEN ADDED TO THE PLAN QUANTITIES TO BE PLACED AT THE DIRECTION OF THE RESIDENT ENGINEER AS NEEDED TO CONTROL AREAS OF CONCENTRATED STORMWATER FLOWS.
2. A 6' STRIP OF SOD SHALL BE PLACED AROUND THE PERIMETER OF ALL NEW INLETS.
3. GRADING LIMITS SHALL BE AS SHOWN ON THE CROSS SECTION SHEETS. GRADING AND SEEDING LIMITS ARE NOT NECESSARILY THE SAME, IN SOME CASES SEEDING LIMITS HAVE BEEN EXTENDED PAST THE GRADING LIMITS. GRADING SHALL BE PAID FOR AS THE CROSS SECTIONS SHOW UNLESS OTHERWISE APPROVED BY THE ENGINEER.
4. EARTHWORK DISPOSAL AREA SHALL REQUIRE AN ADDITIONAL QUANTITY OF 800 LF OF SILT FENCE, 1 AC OF SEEDING, 1 AC OF MULCHING AND 2 EA DITCH CHECKS. EXACT LOCATION OF MATERIAL AND EROSION CONTROL ITEMS SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION, BETWEEN THE RESIDENT ENGINEER, AIRPORT AND CONTRACTOR. LOCATION OF EARTHWORK DISPOSAL AREA IS SHOWN ON THE SITE PLAN SHEET.

© Copyright CMT, Inc.

CMT
 CRAWFORD, MURPHY & TULLY, INC.
 CONSULTING ENGINEERS
 License No. 84-000518



DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228	
AIP PROJ. NO. 3-17-0096-XX	
SHEET 34 OF 47 SHEETS	

CA015

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

MODIFY TAXIWAY B

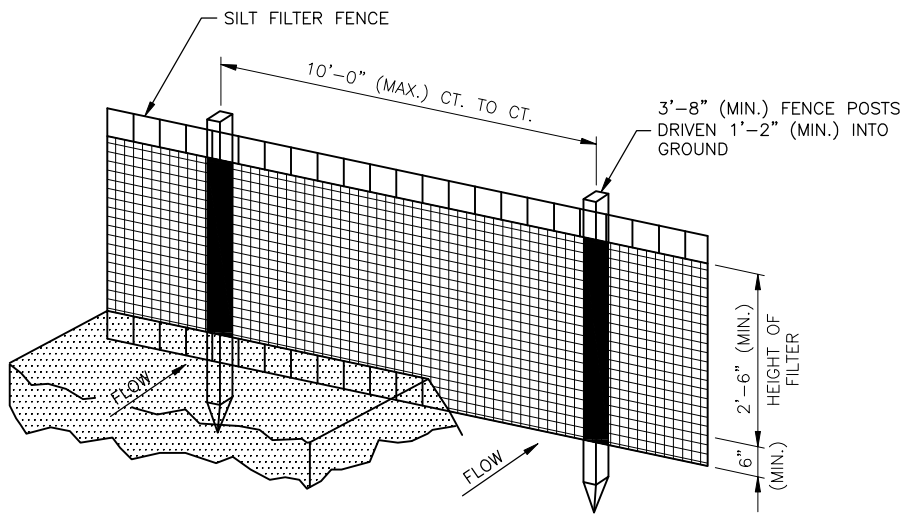
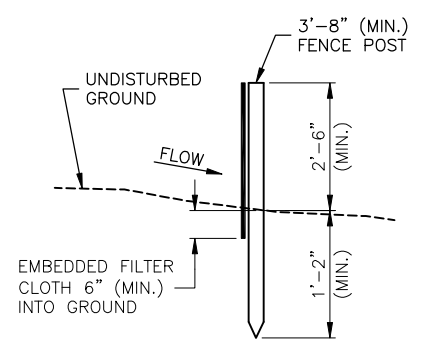
EROSION CONTROL DETAILS

© Copyright CMT, Inc.



CRANFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

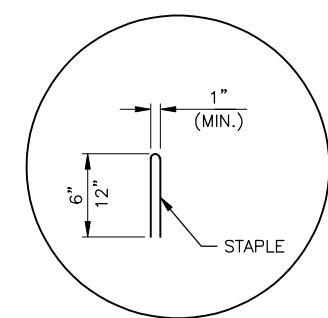
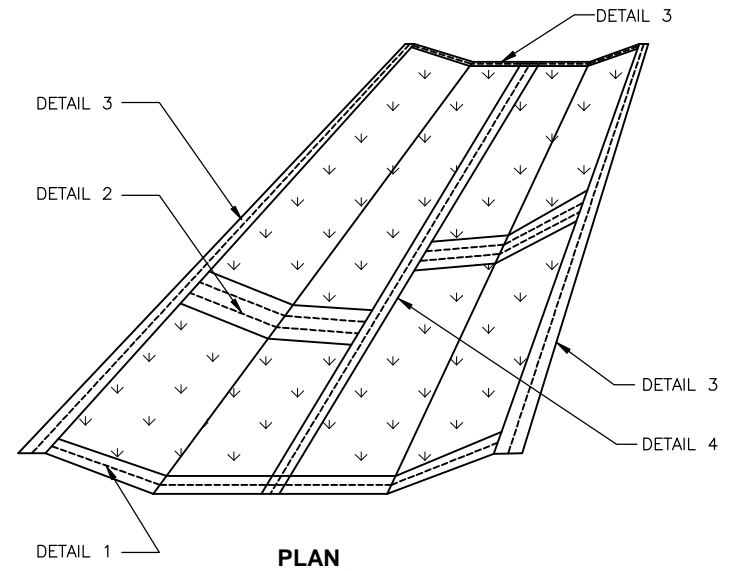
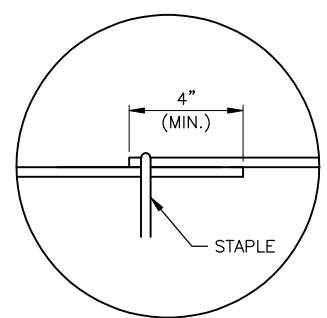
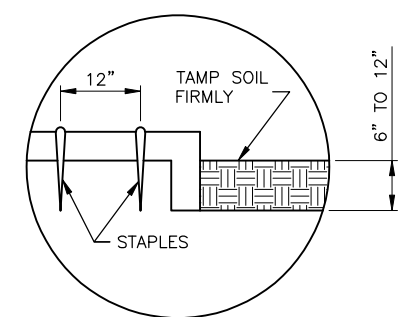
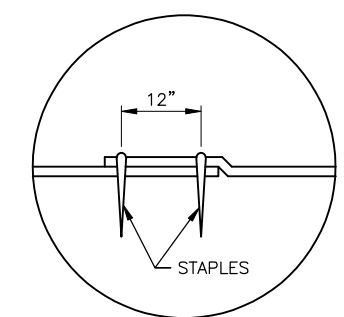
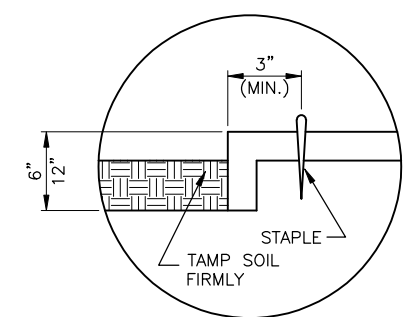
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 35 OF 47 SHEETS	



EROSION CONTROL FABRIC FENCE DETAILS
 N.T.S.

EROSION CONTROL FABRIC FENCE NOTES

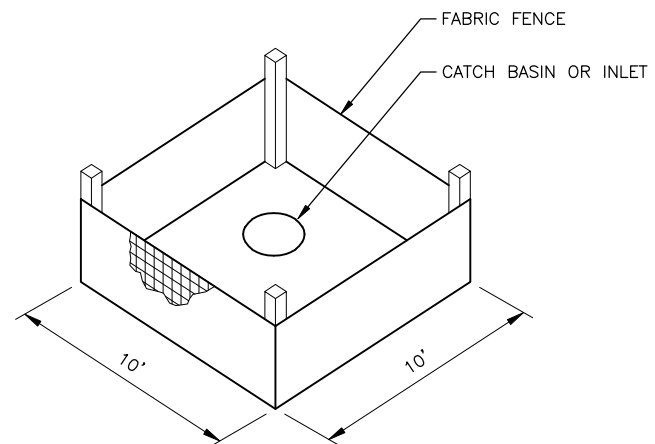
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 2'-0" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" MINIMUM AND FOLDED.
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.



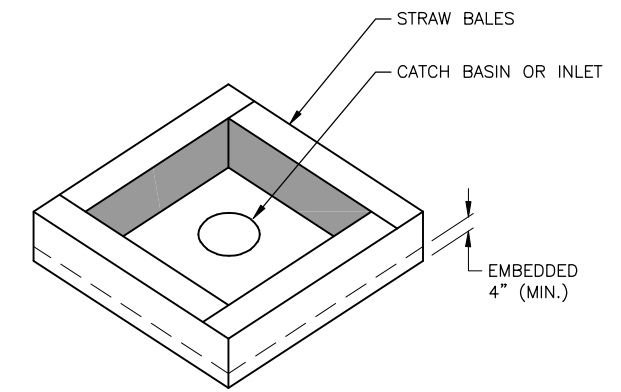
EXCELSIOR BLANKET DETAILS
 N.T.S.

EXCELSIOR BLANKET 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 TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.



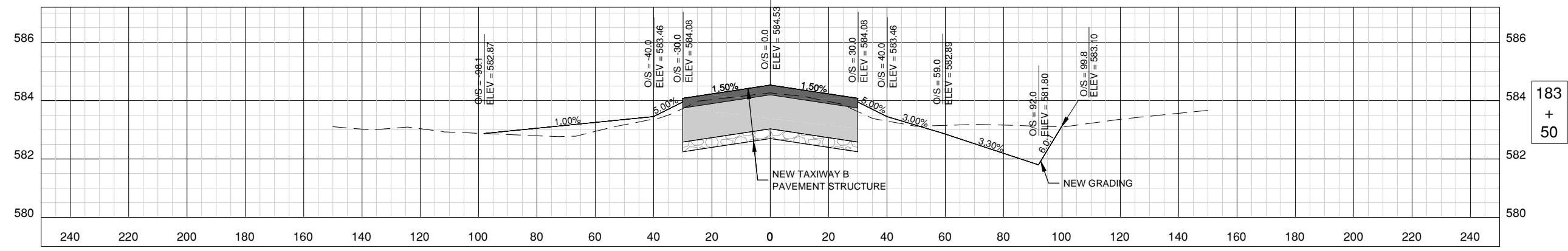
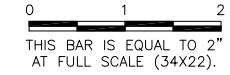
INLET PROTECTION WITH FABRIC
 N.T.S.



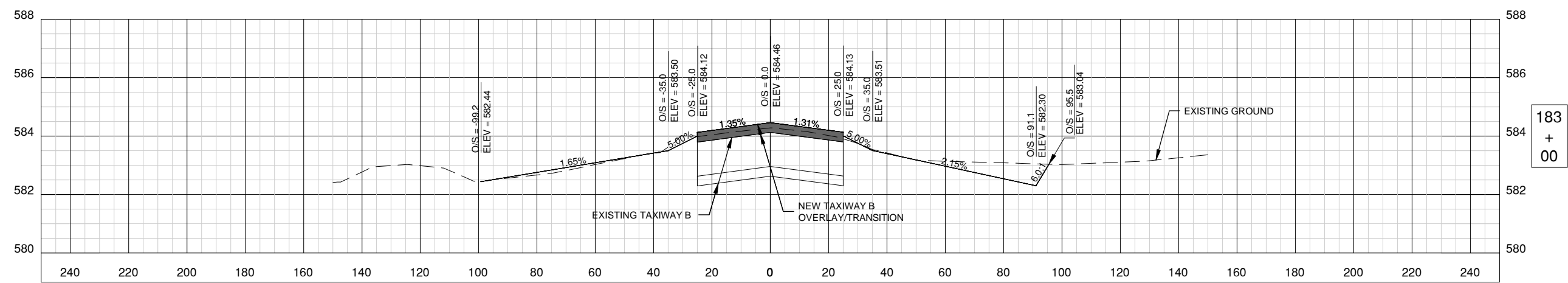
INLET PROTECTION WITH STRAW BALES
 N.T.S.

CA015

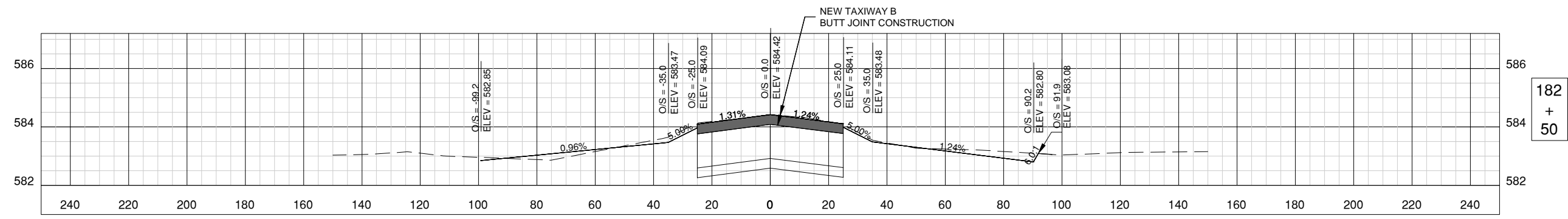
REVISIONS		
NUMBER	BY	DATE



183
+
50



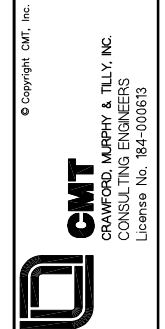
183
+
00



182
+
50

SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

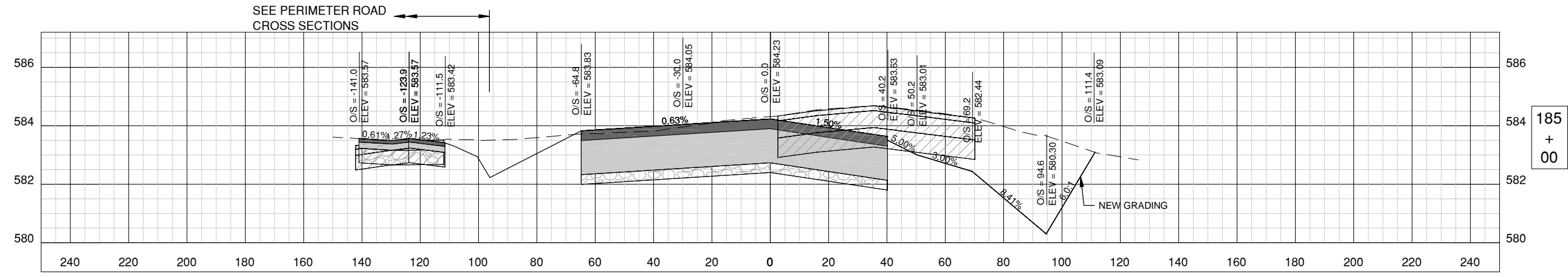
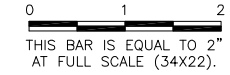
**MODIFY TAXIWAY B
 TAXIWAY B CROSS SECTIONS SHEET 1**



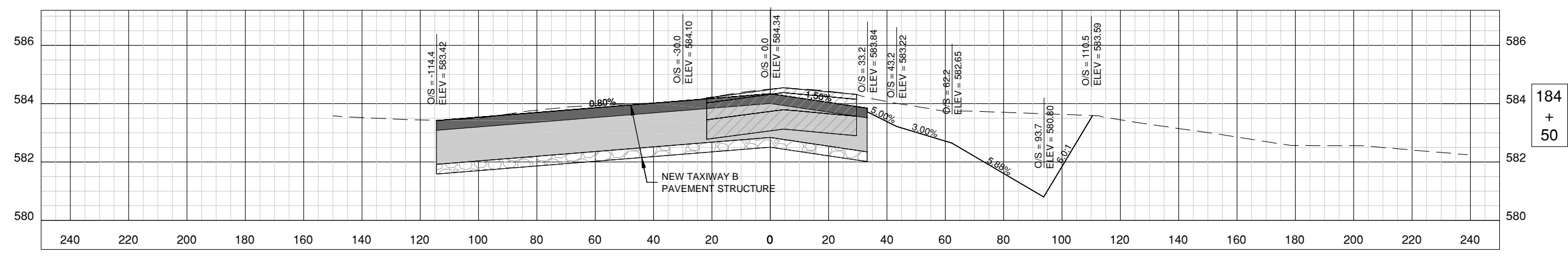
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 36 OF 47 SHEETS	

CA015

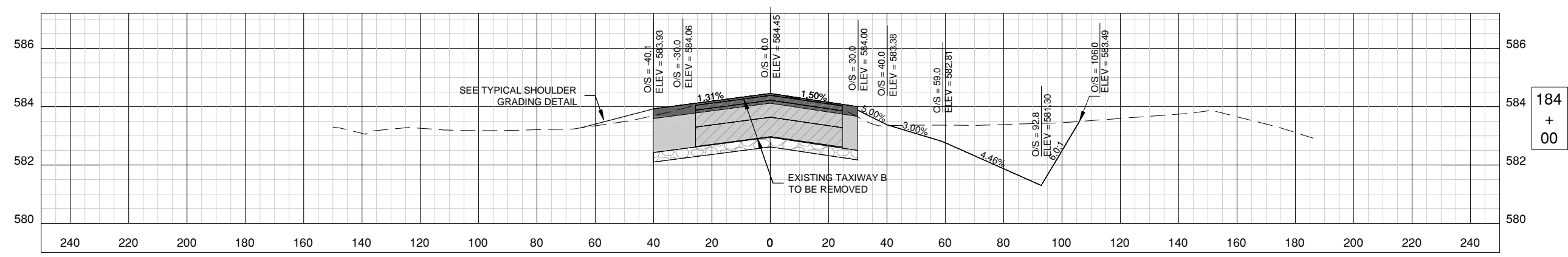
REVISIONS		
NUMBER	BY	DATE



185
+
00



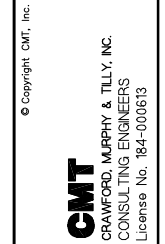
184
+
50



184
+
00

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

**MODIFY TAXIWAY B
 TAXIWAY B CROSS SECTIONS SHEET 2**

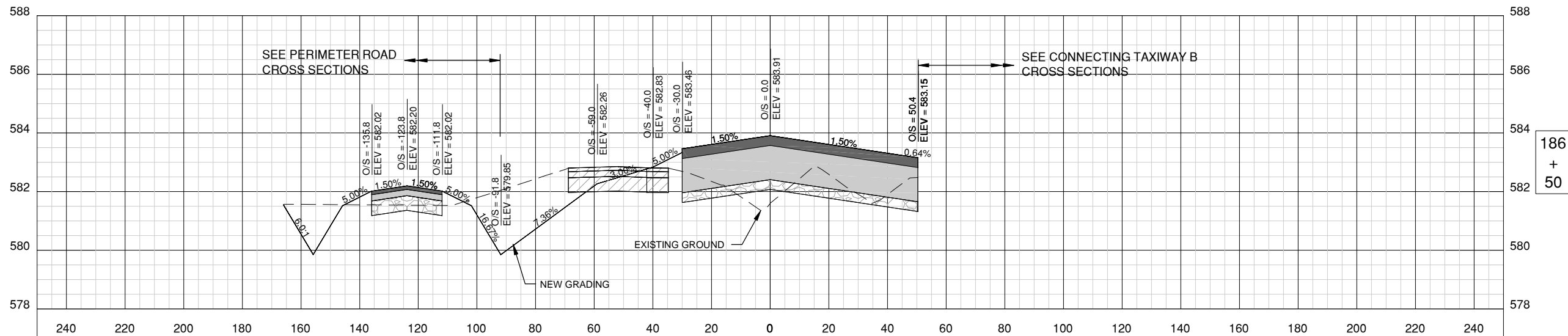
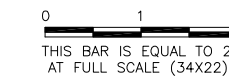


DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 37 OF 47 SHEETS	

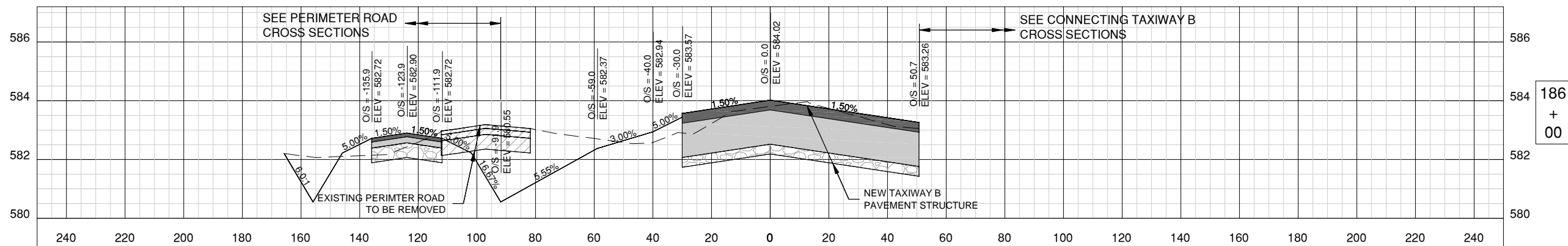
CA015

REVISIONS

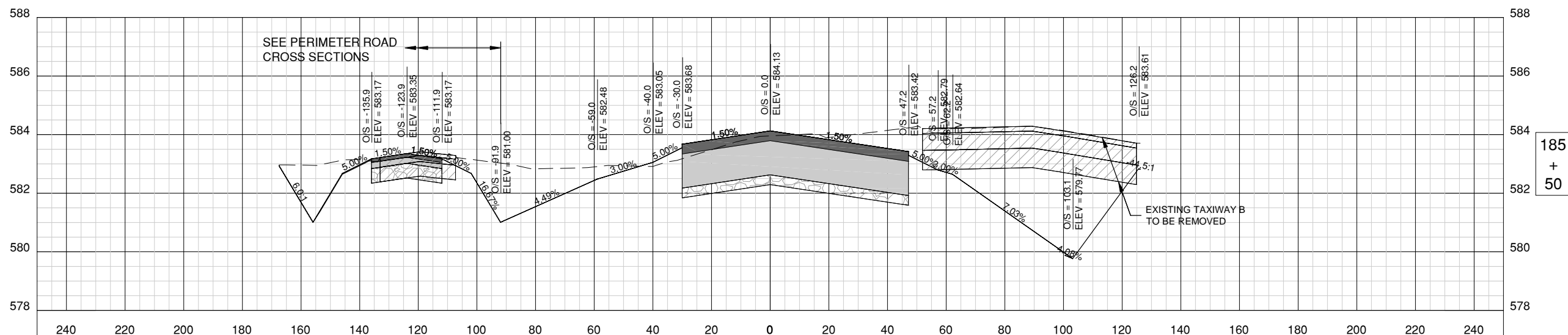
NUMBER	BY	DATE



186
+
50



186
+
00




185
+
50

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

MODIFY TAXIWAY B

TAXIWAY B CROSS SECTIONS SHEET 3

© Copyright CMT, Inc.



CMT
 GRAMFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 38 OF 47 SHEETS	

CA015

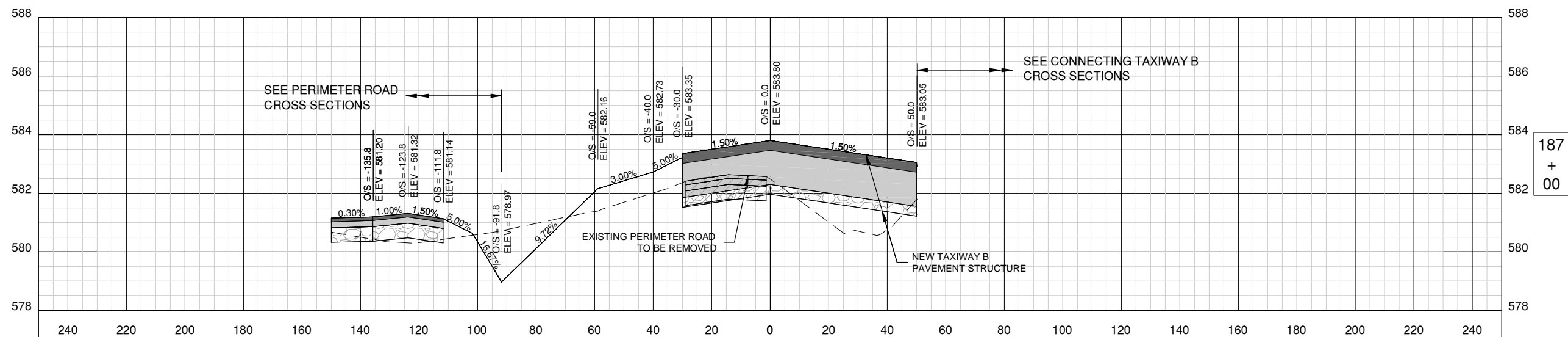
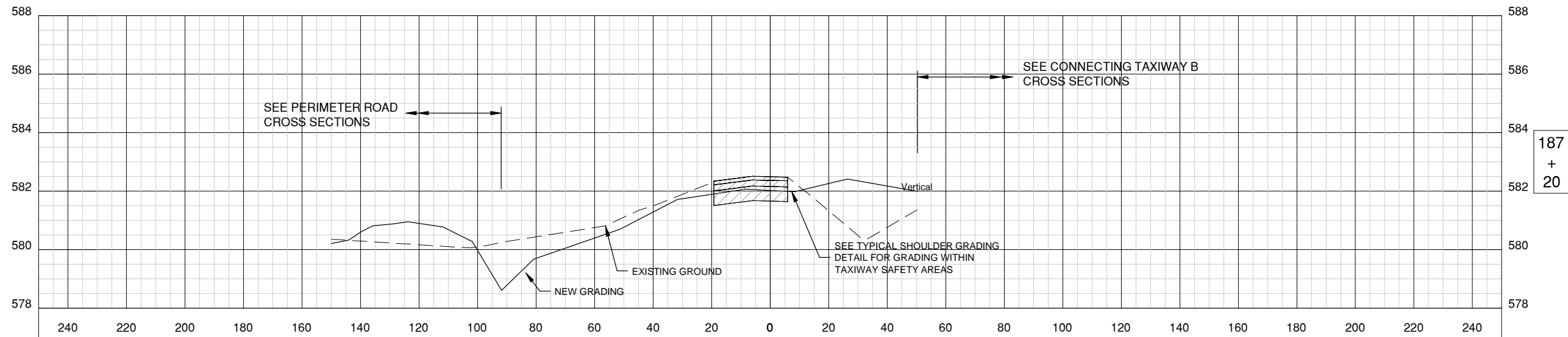
REVISIONS

NUMBER	BY	DATE

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

EARTHWORK SUMMARY

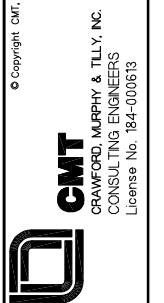
STATION	STATION NUMBER	DISTANCE	AUTOCAD EXCAVATE END AREA	EXCAVATE END AREA (S.F.)	CUT VOLUME (C.Y.)	AUTOCAD EMBANK END AREA	EMBANK END AREA (S.F.)	FILL VOLUME (C.Y.)
TAXIWAY B								
182+50	18250.00	0.00	106.78	10.68	0.00	43.26	4.33	0.00
183+00	18300.00	50.00	189.24	18.92	27.41	33.39	3.34	7.10
183+50	18350.00	50.00	331.54	33.15	48.22	187.03	18.70	20.41
184+00	18400.00	50.00	1146.12	114.61	136.82	52.35	5.24	22.16
184+50	18450.00	50.00	3234.15	323.42	405.58	0.00	0.00	4.85
185+00	18500.00	50.00	2738.87	273.89	553.06	12.62	1.26	1.17
185+50	18550.00	50.00	2848.27	284.83	517.33	40.96	4.10	4.96
186+00	18600.00	50.00	1729.35	172.94	423.85	66.64	6.66	9.96
186+50	18650.00	50.00	781.30	78.13	232.47	242.22	24.22	28.60
187+00	18700.00	50.00	263.86	26.39	96.77	473.60	47.36	66.28
187+20	18720.00	20.00	367.96	36.80	23.40	465.03	46.50	34.76
TOTAL			13737.4	1373.7	2464.9	1617.1	161.7	200.3



SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

MODIFY TAXIWAY B
 TAXIWAY B CROSS SECTIONS SHEET 4

© Copyright CMT, Inc.



DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300

IL PROJECT SPI-4228
 AIP PROJ. NO. 3-17-0096-XX

CA015

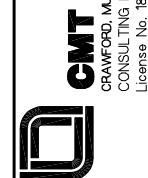
REVISIONS

NUMBER	BY	DATE
1		
+ 50		

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

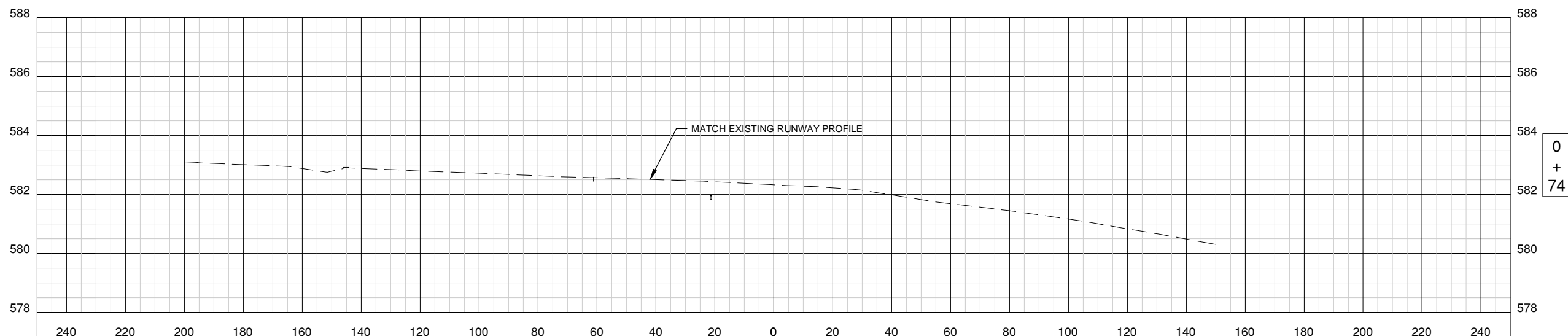
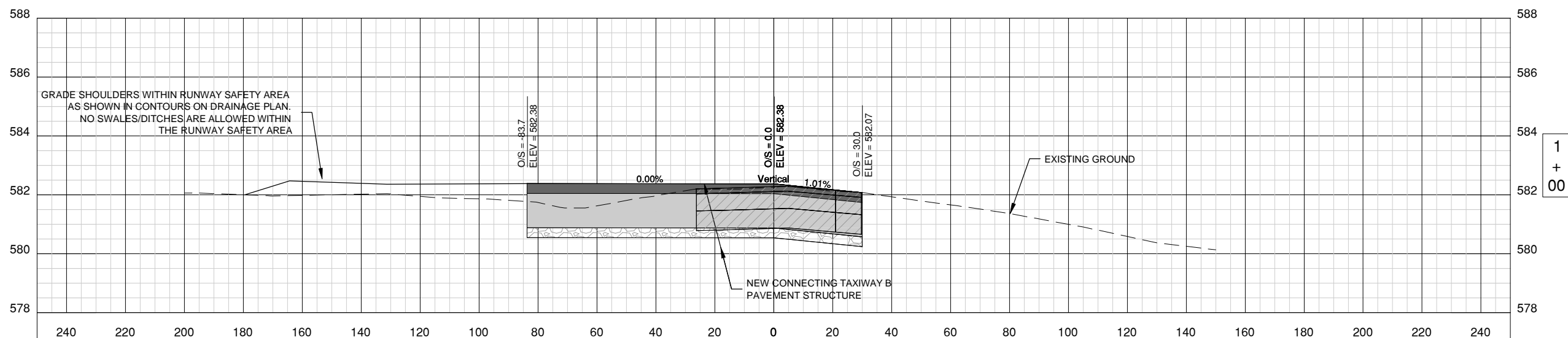
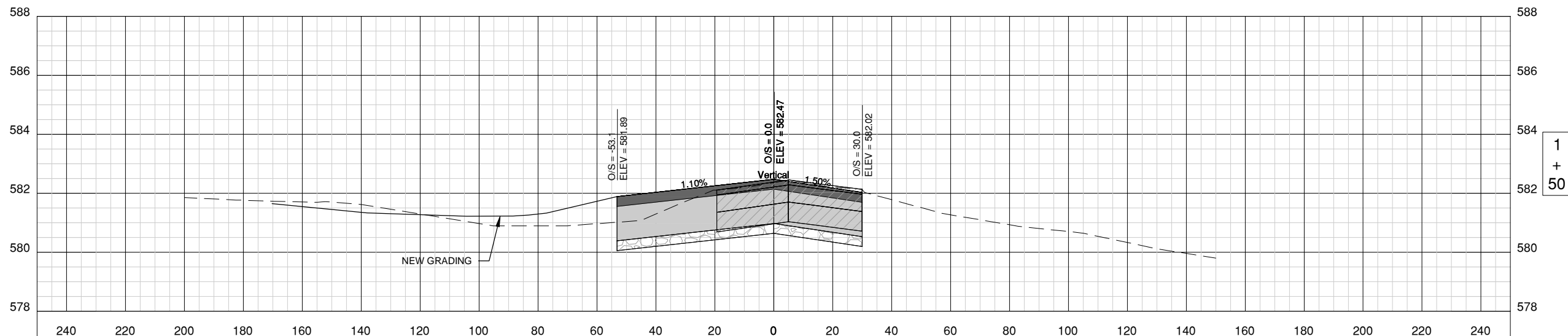
SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS
 MODIFY TAXIWAY B
 CONNECTING TAXIWAY B CROSS SECTIONS 1

© Copyright CMT, Inc.



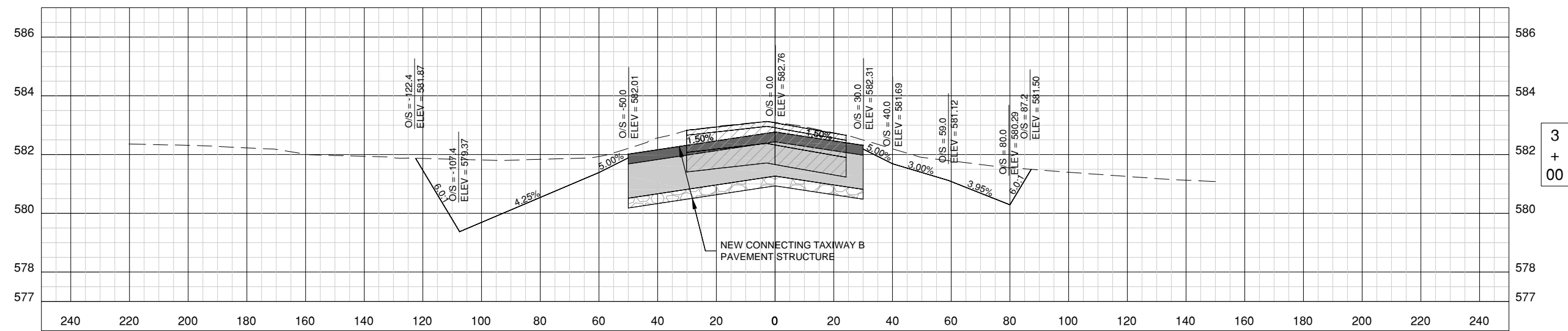
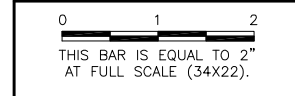
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300

IL PROJECT SPI-4228
 AIP PROJ. NO. 3-17-0096-XX

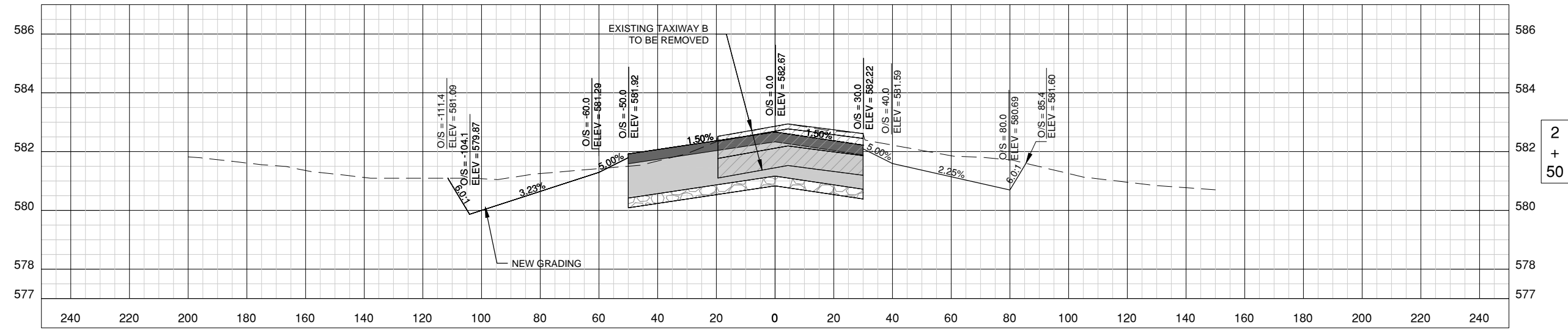


CA015

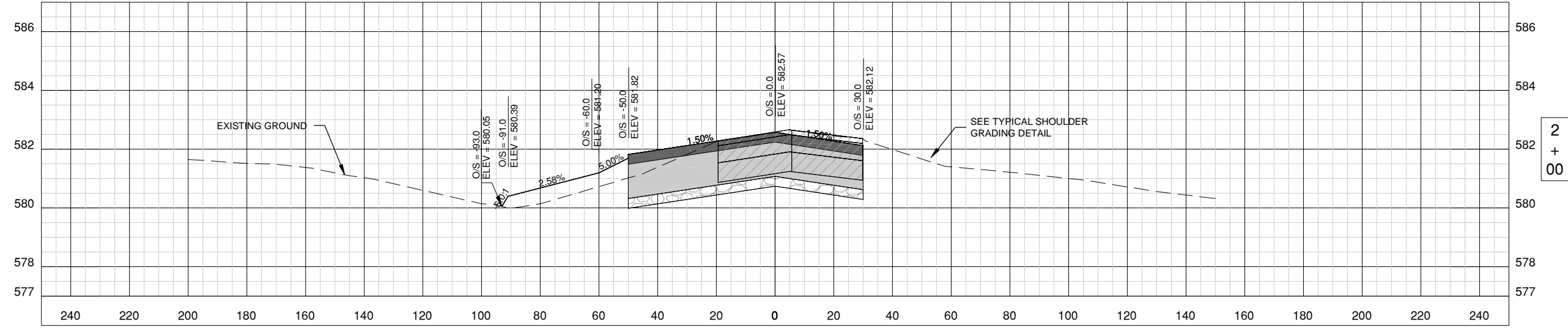
REVISIONS		
NUMBER	BY	DATE



3
+
00



2
+
50



2
+
00

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

**MODIFY TAXIWAY B
 CONNECTING TAXIWAY B CROSS SECTIONS 2**

© Copyright CMT, Inc.

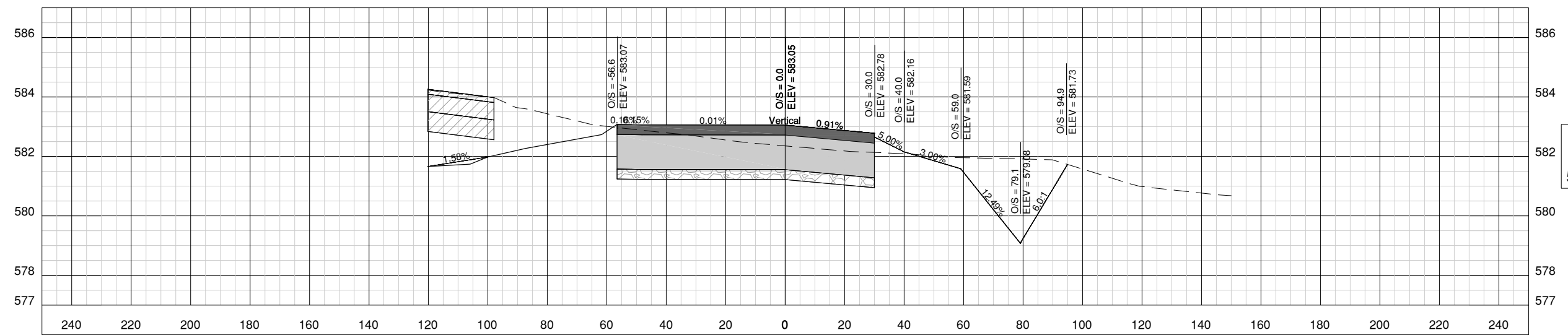
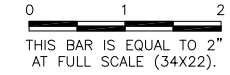
CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 41 OF 47 SHEETS	

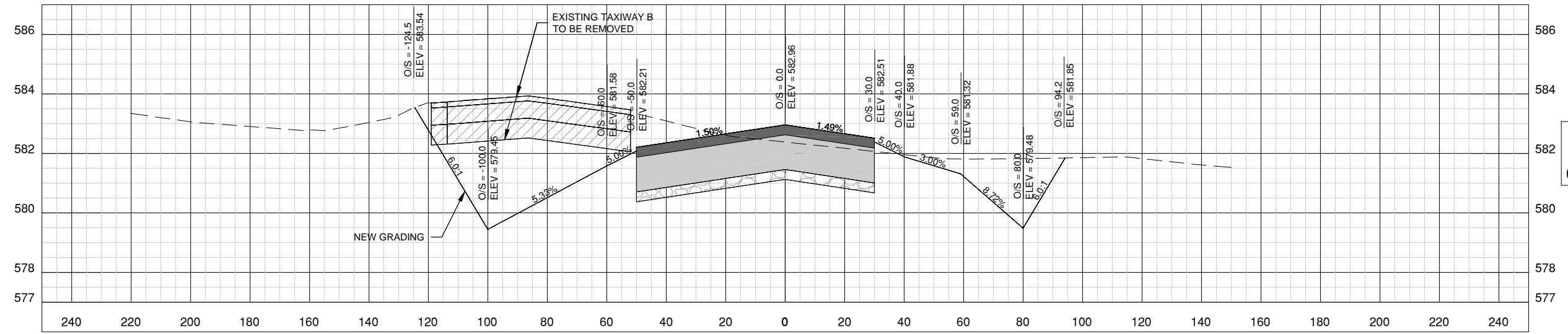
CA015

REVISIONS

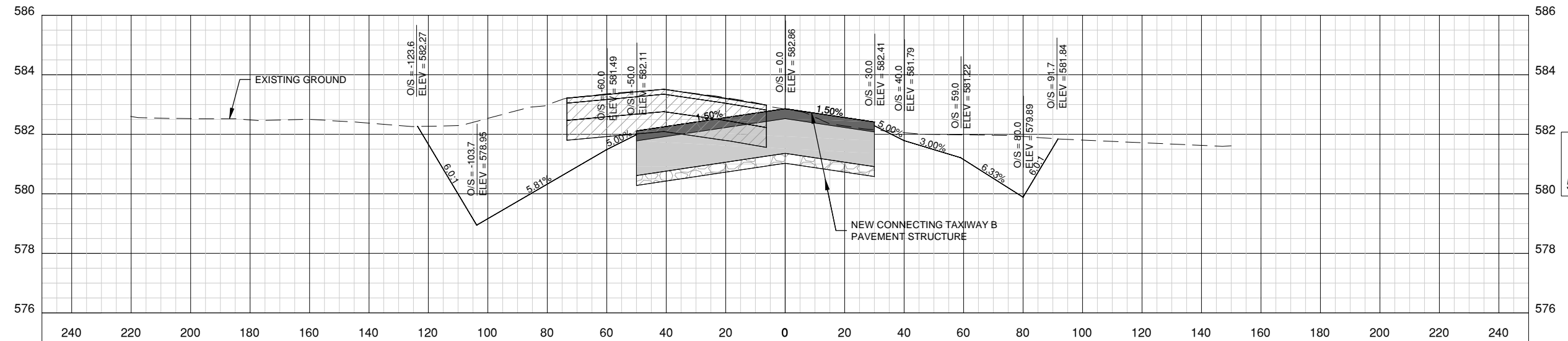
NUMBER	BY	DATE
4		
+		
50		



4
+
50



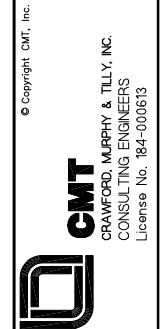
4
+
00



3
+
50

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

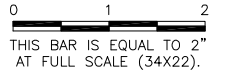
**MODIFY TAXIWAY B
 CONNECTING TAXIWAY B CROSS SECTIONS 3**



DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300

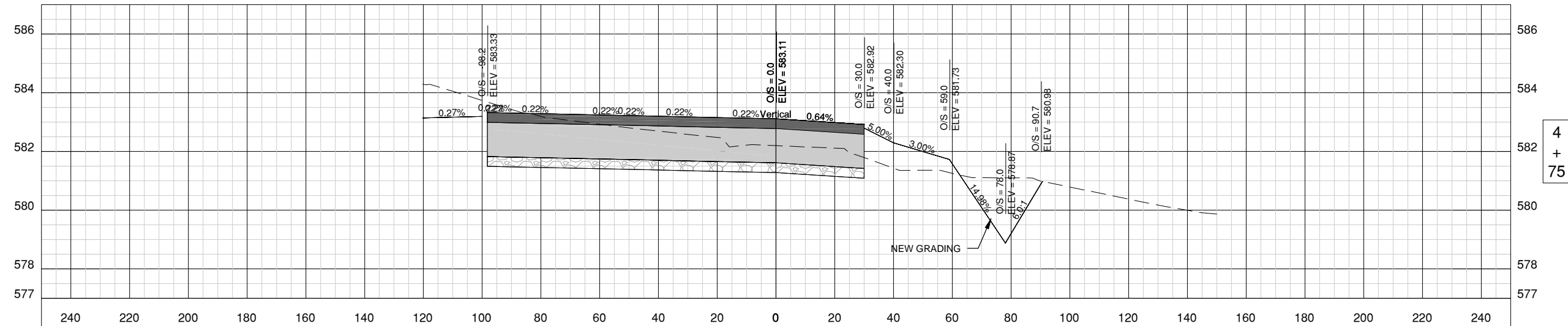
CA015

REVISIONS		
NUMBER	BY	DATE



EARTHWORK SUMMARY

STATION	STATION NUMBER	DISTANCE	AUTOCAD EXCAVATE END AREA	EXCAVATE END AREA (S.F.)	CUT VOLUME (C.Y.)	AUTOCAD EMBANK END AREA	EMBANK END AREA (S.F.)	FILL VOLUME (C.Y.)
CONNECTING TAXIWAY B								
0+74	74.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1+00	100.00	26.00	912.55	91.26	43.94	401.61	40.16	19.34
1+50	150.00	50.00	703.03	70.30	149.59	259.61	25.96	61.22
2+00	200.00	50.00	694.33	69.43	129.39	215.69	21.57	44.01
2+50	250.00	50.00	1528.01	152.80	205.77	10.23	1.02	20.92
3+00	300.00	50.00	2297.82	229.78	354.24	0.00	0.00	0.95
3+50	350.00	50.00	3057.77	305.78	495.89	2.34	0.23	0.22
4+00	400.00	50.00	3009.44	300.94	561.78	16.45	1.65	1.74
4+50	450.00	50.00	2312.74	231.27	492.79	30.02	3.00	4.30
4+75	475.00	25.00	2169.92	216.99	207.53	225.95	22.60	11.85
TOTAL			16685.6	1668.6	2640.9	1161.9	116.2	164.5



4
+
75

SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, ILLINOIS

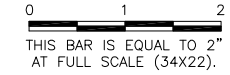
MODIFY TAXIWAY B
CONNECTING TAXIWAY B CROSS SECTIONS 4



DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 43 OF 47 SHEETS	

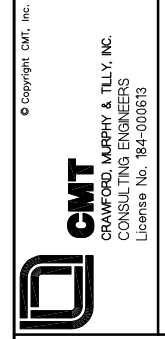
CA015

REVISIONS		
NUMBER	BY	DATE

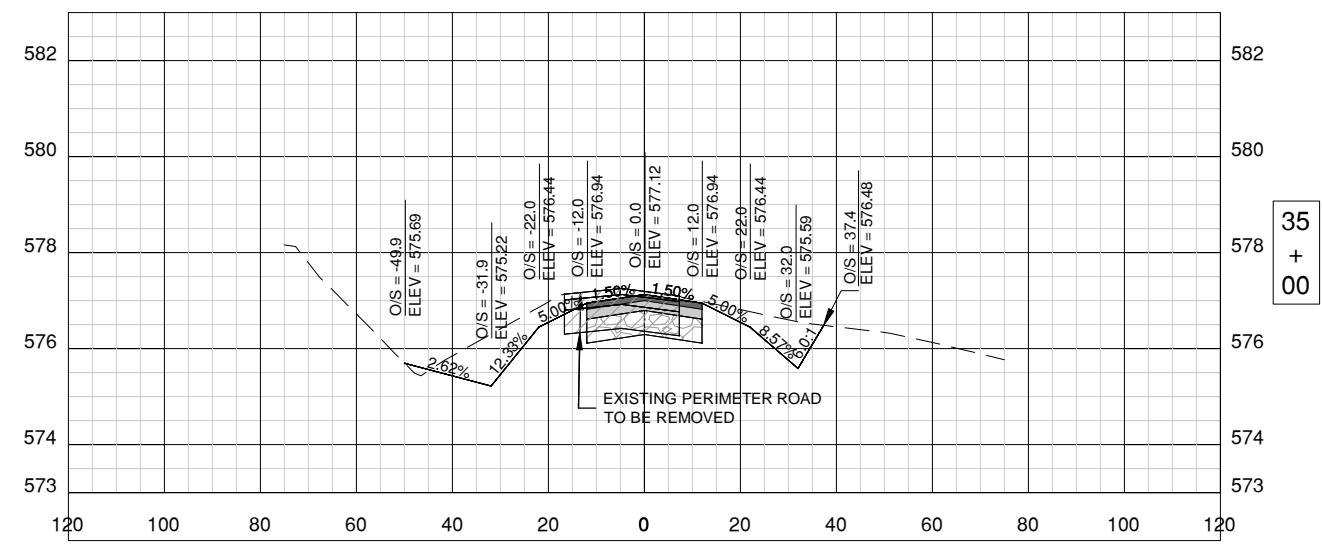


**SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS**

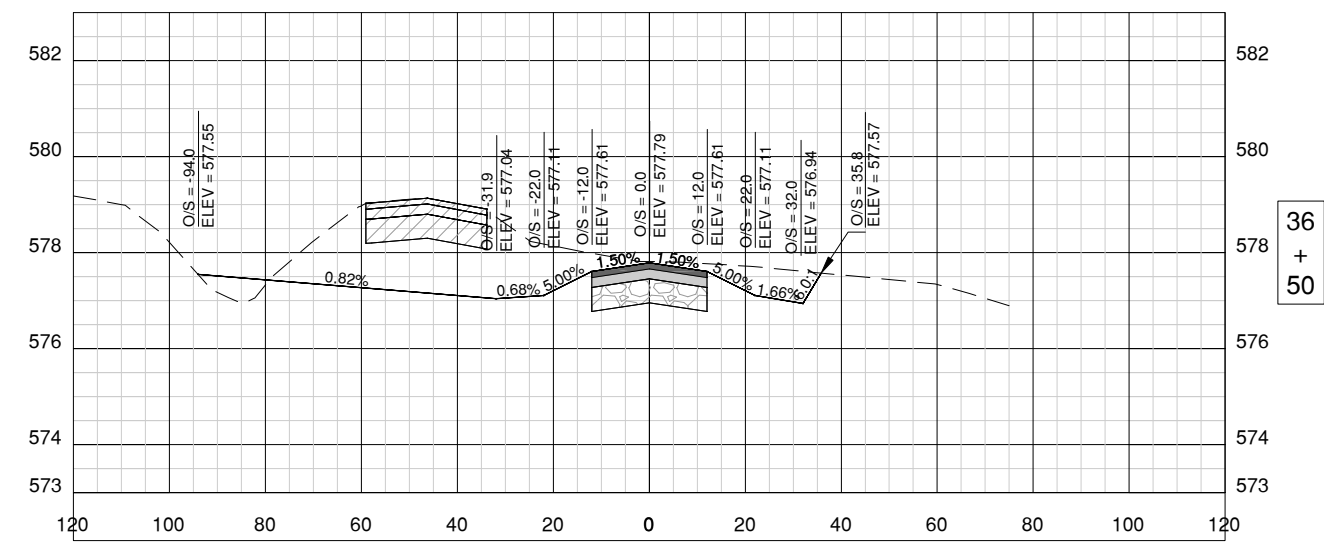
**MODIFY TAXIWAY B
 PERIMETER ROAD CROSS SECTIONS 1**



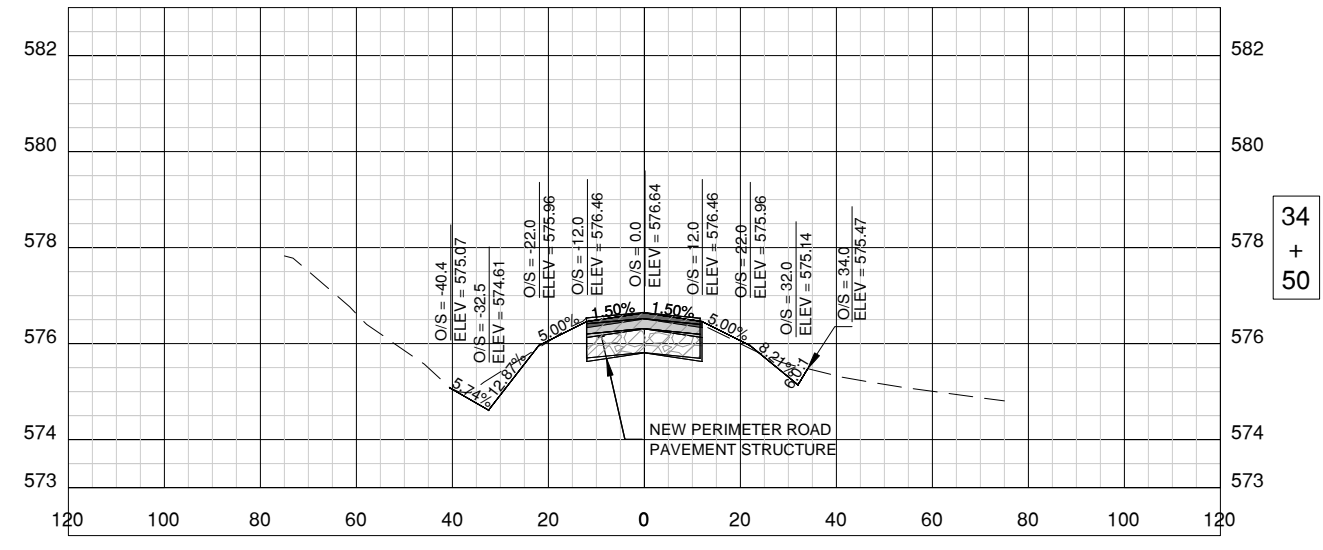
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300



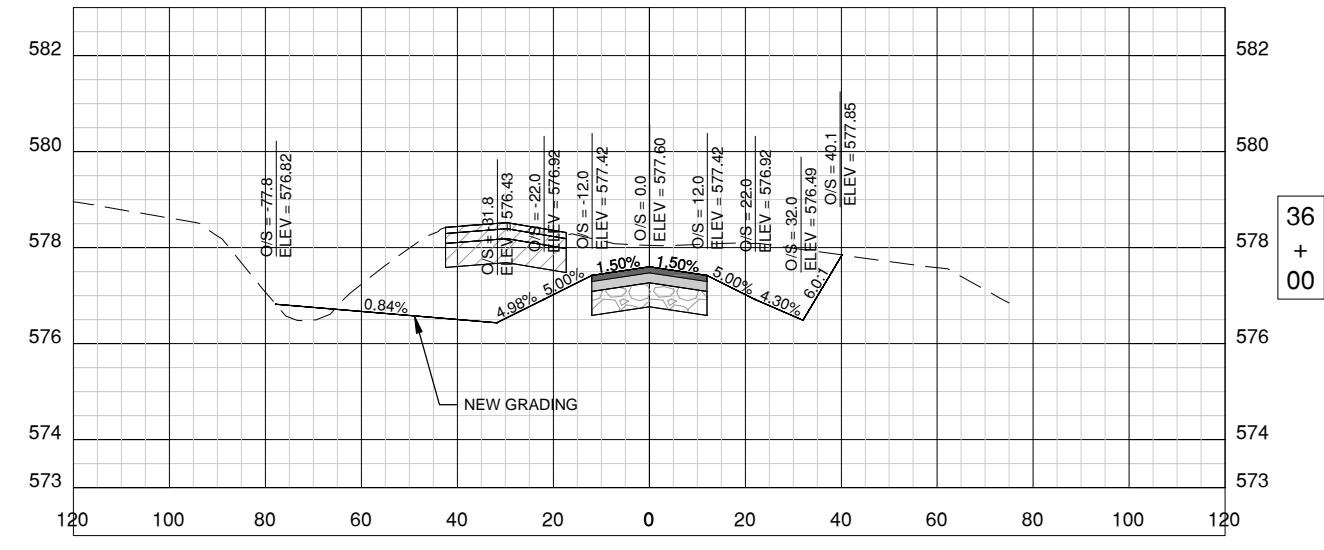
35
+
00



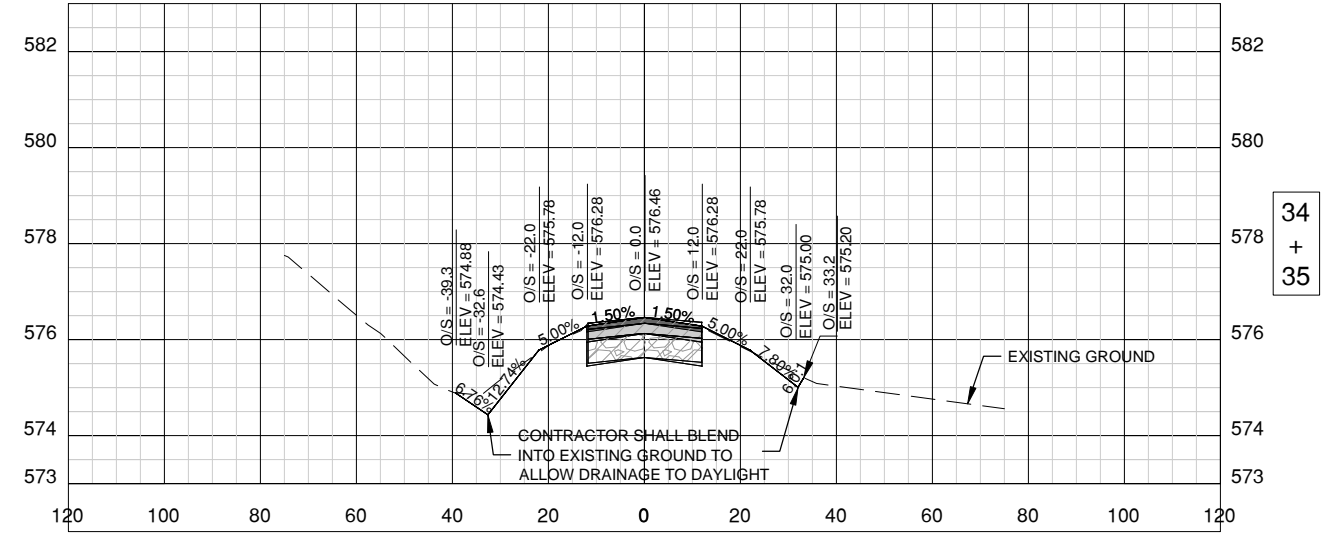
36
+
50



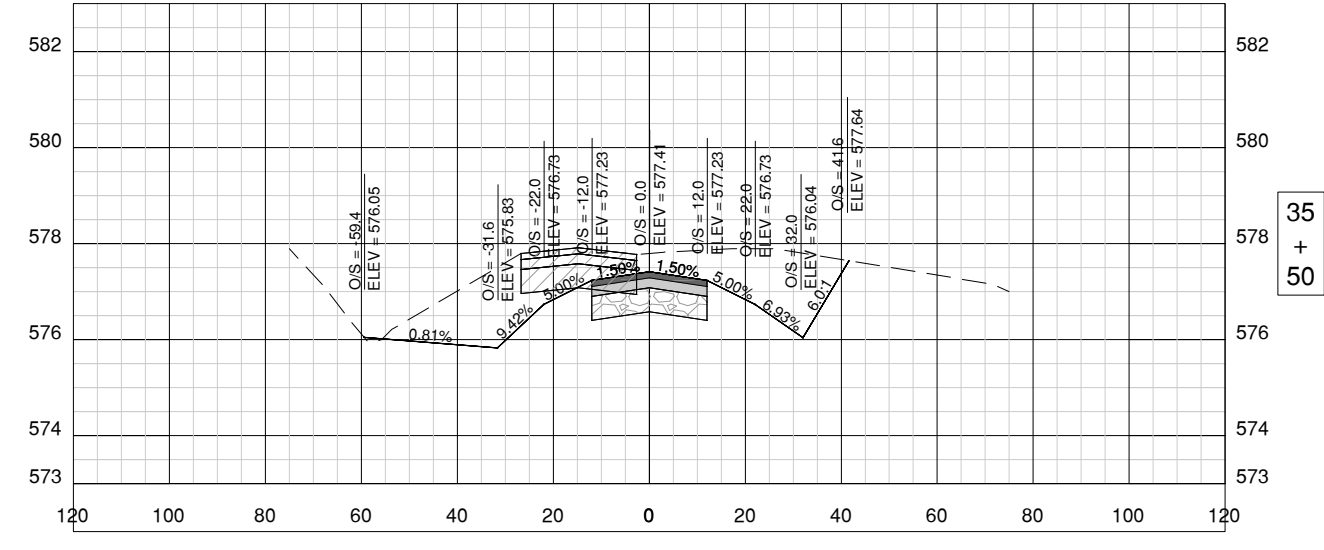
34
+
50



36
+
00



34
+
35



35
+
50

CA015

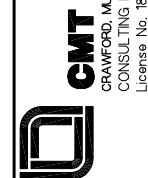
REVISIONS

NUMBER	BY	DATE

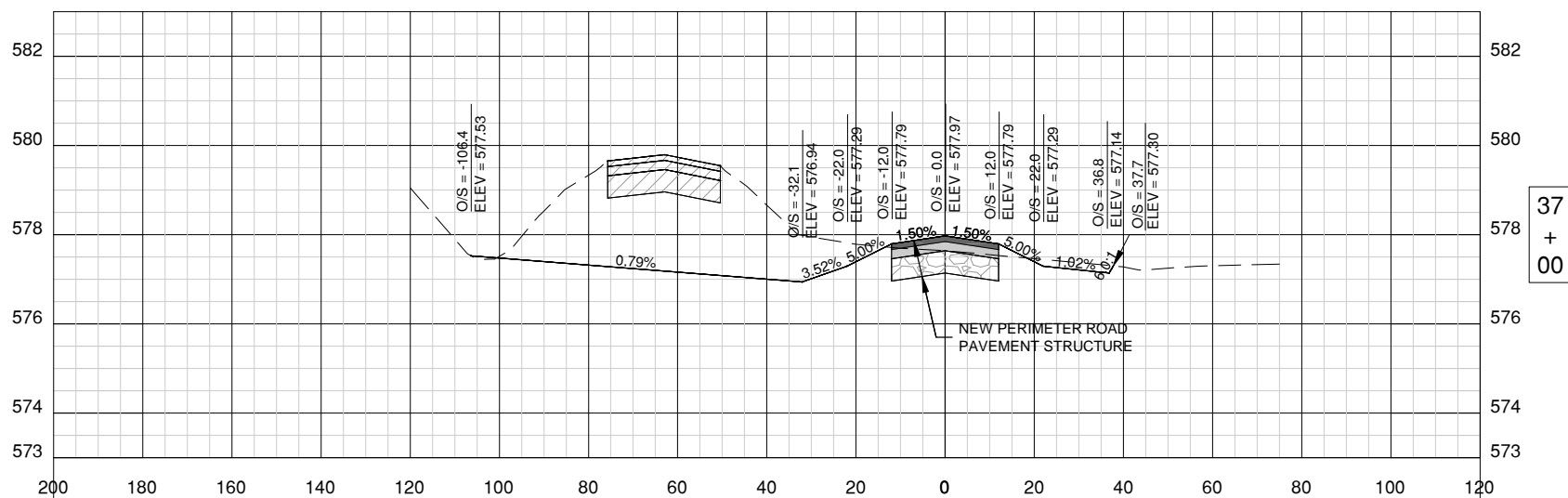
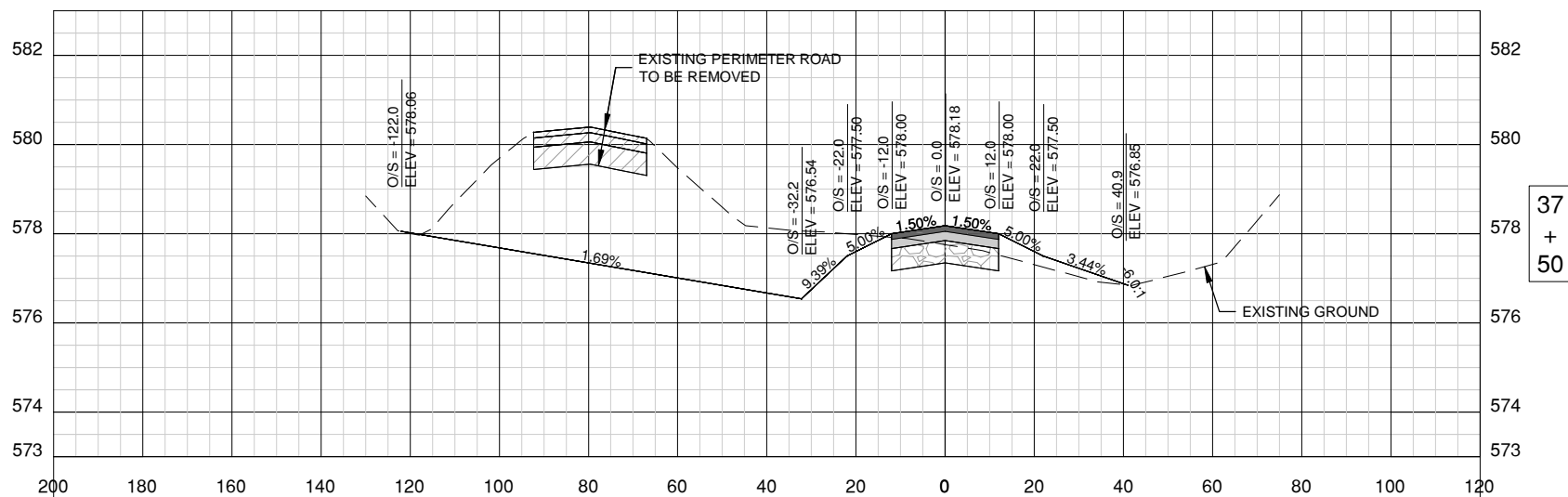
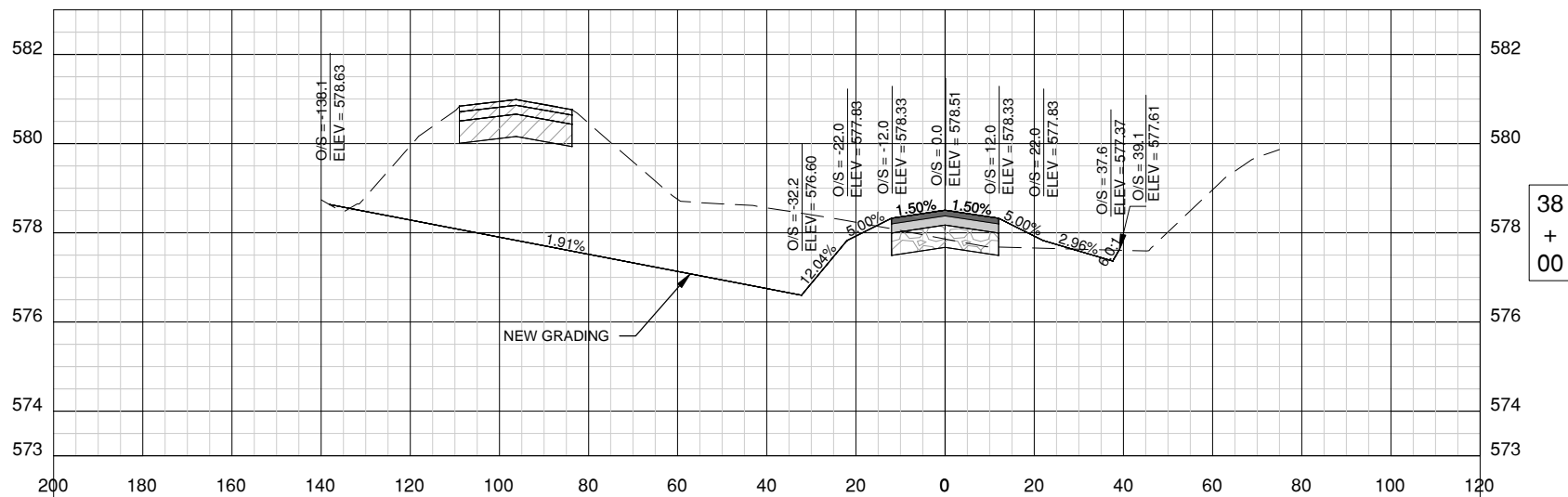
0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).

SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS
 MODIFY TAXIWAY B
 PERIMETER ROAD CROSS SECTIONS 2

© Copyright CMT, Inc.



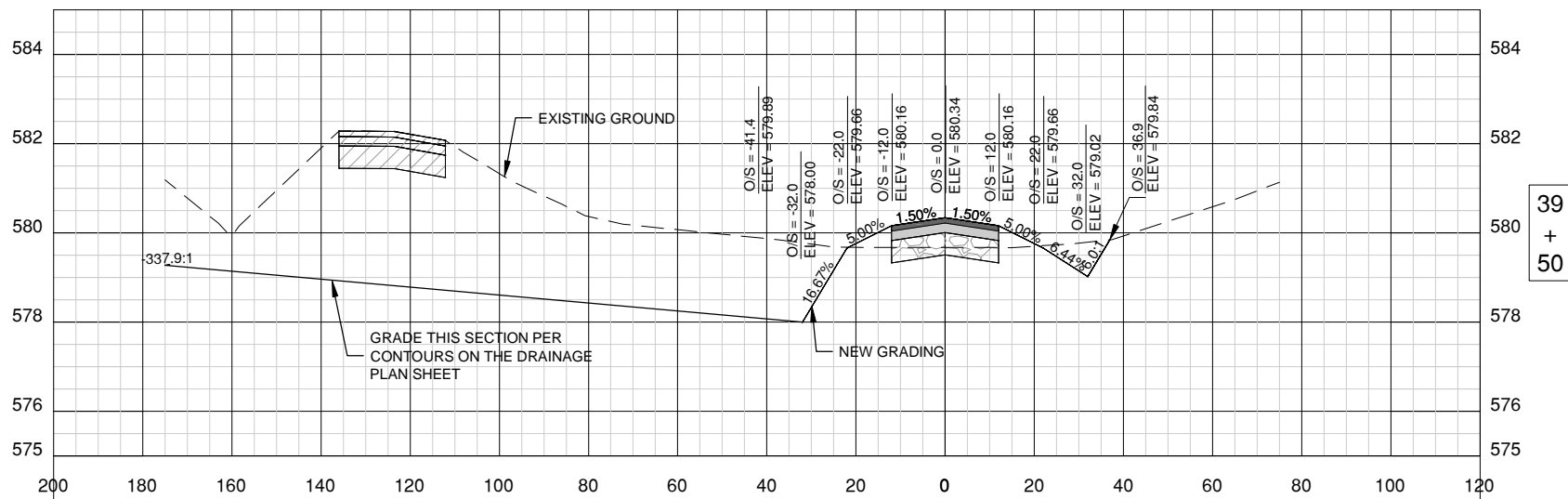
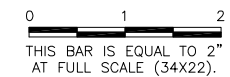
DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 45 OF 47 SHEETS	



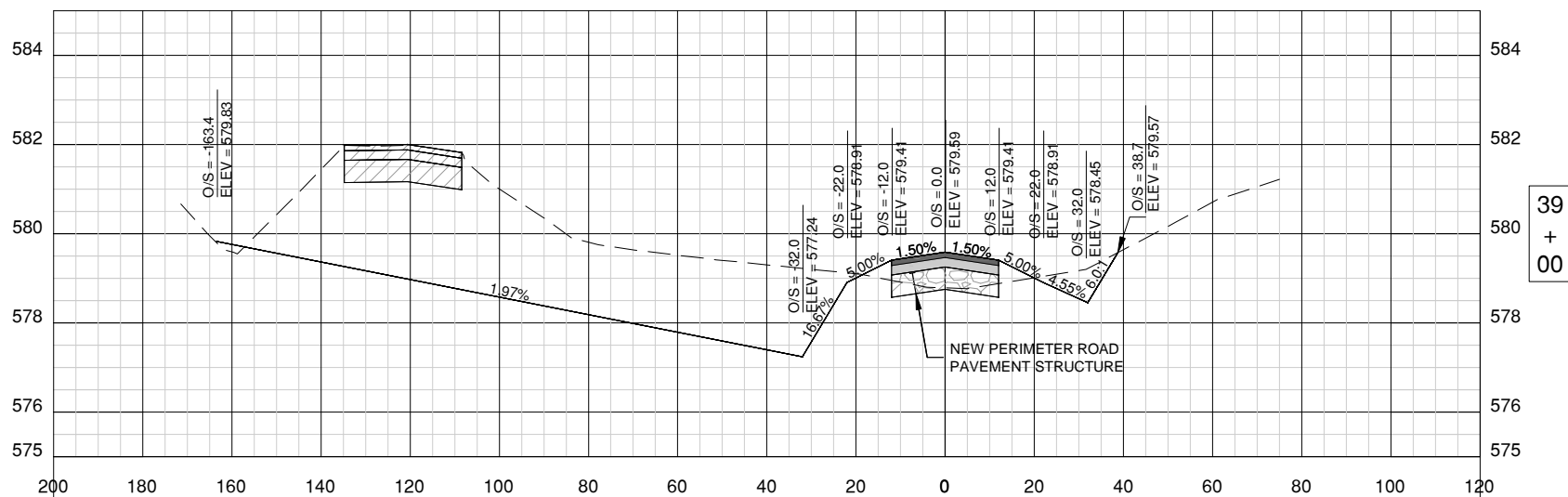
CA015

REVISIONS

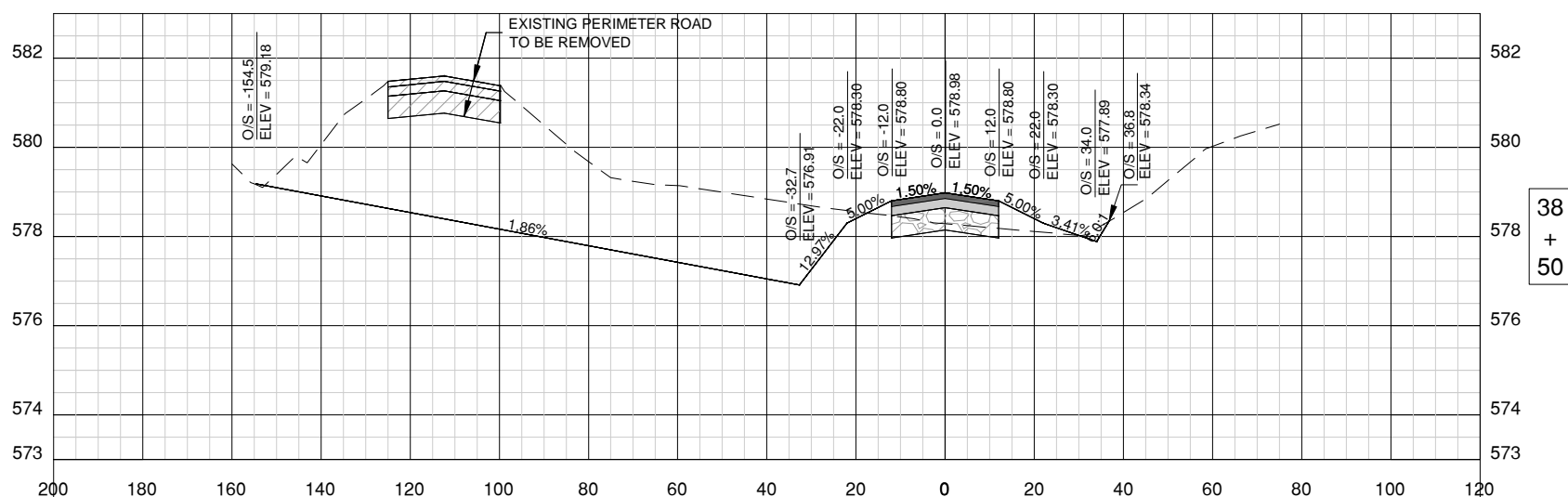
NUMBER	BY	DATE



39
+
50



39
+
00




38
+
50

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

**MODIFY TAXIWAY B
 PERIMETER ROAD CROSS SECTIONS 3**

© Copyright CMT, Inc.

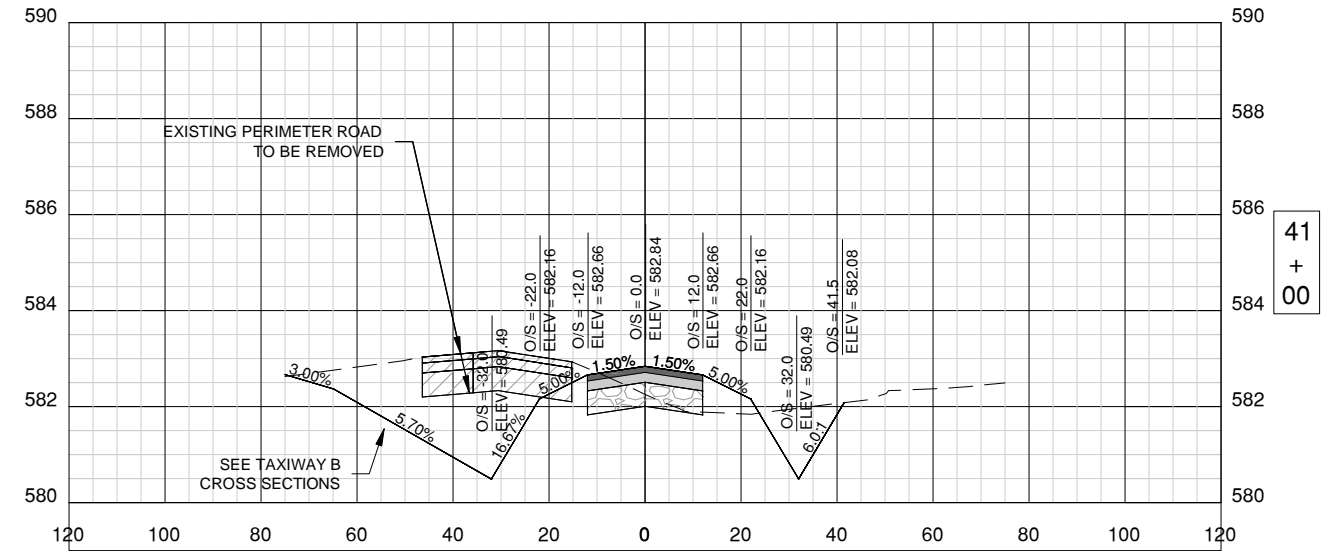
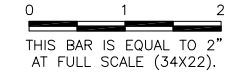


CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 46 OF 47 SHEETS	

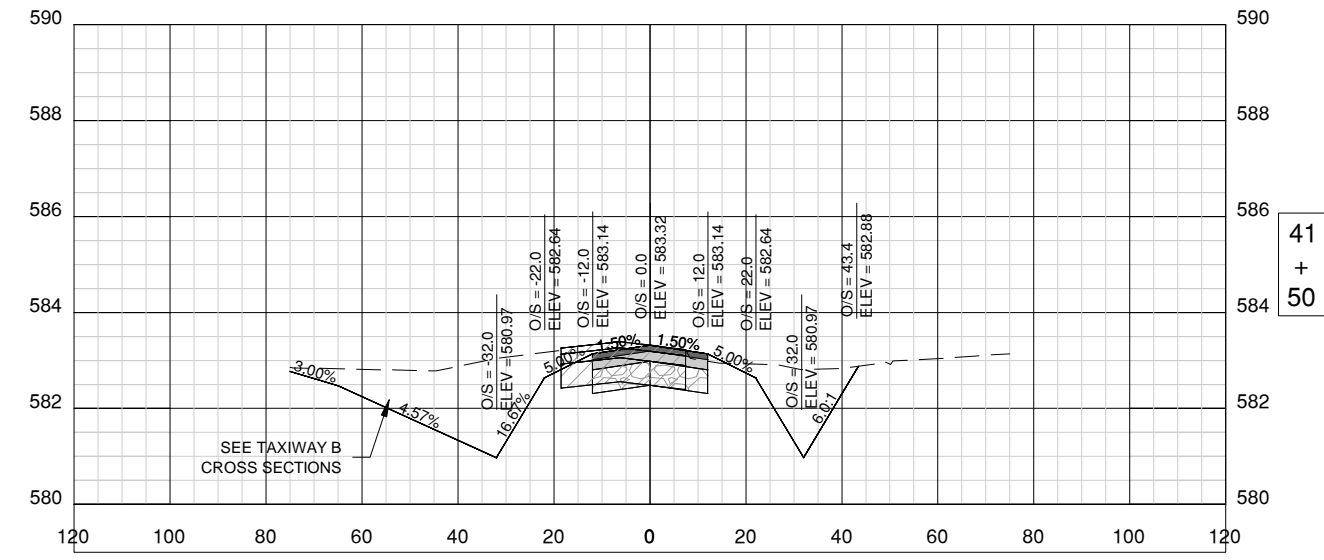
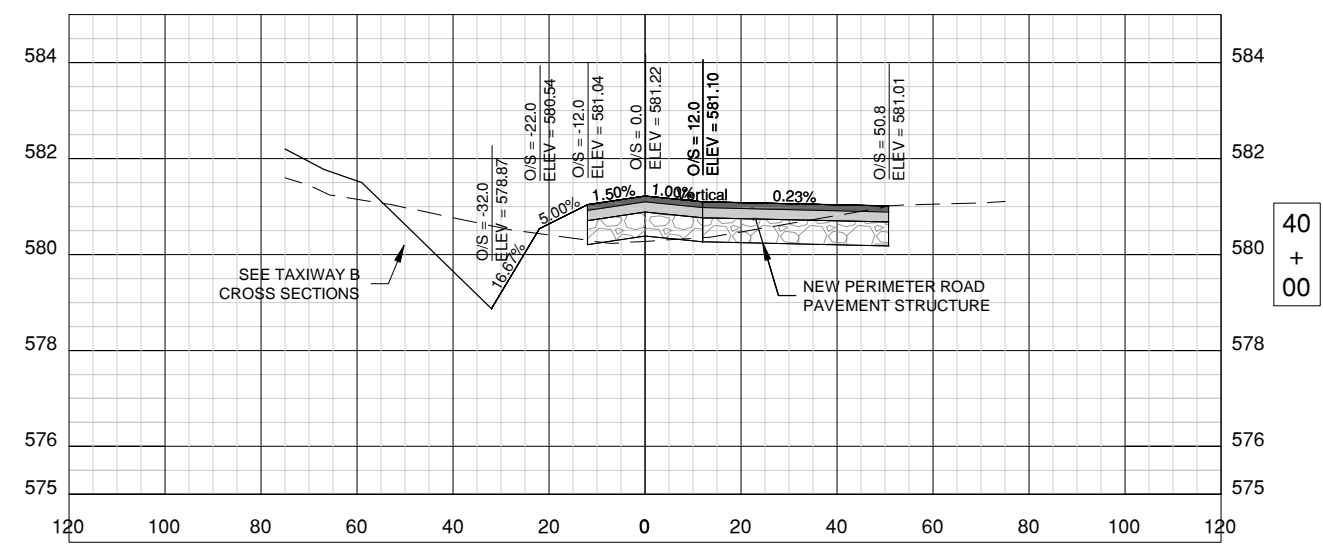
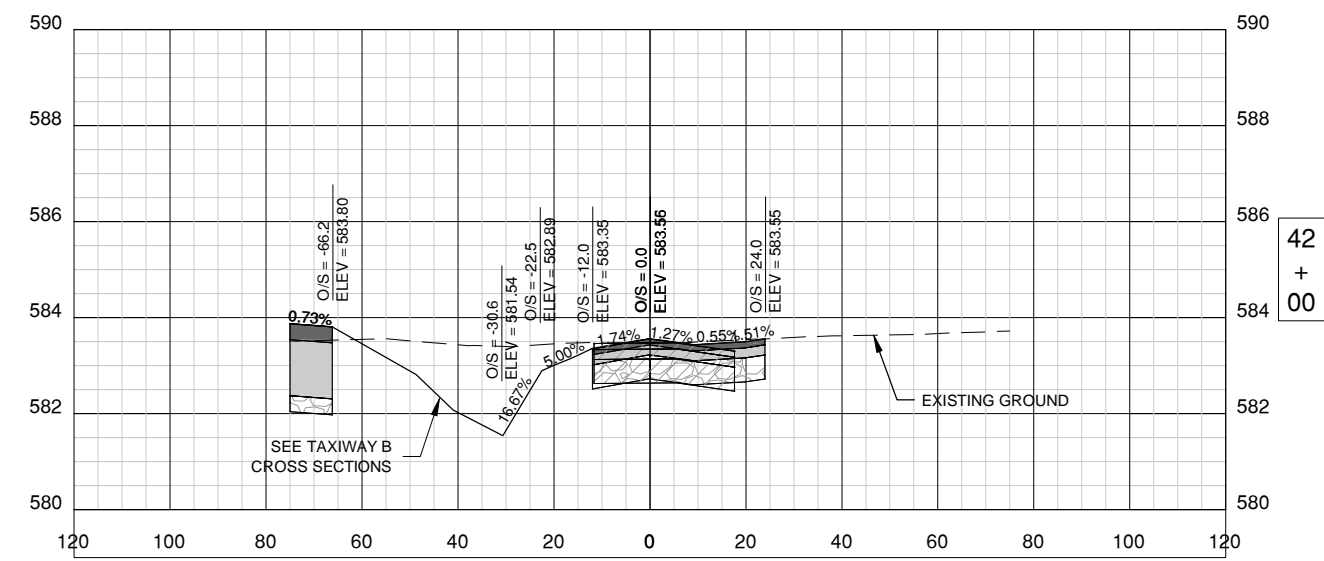
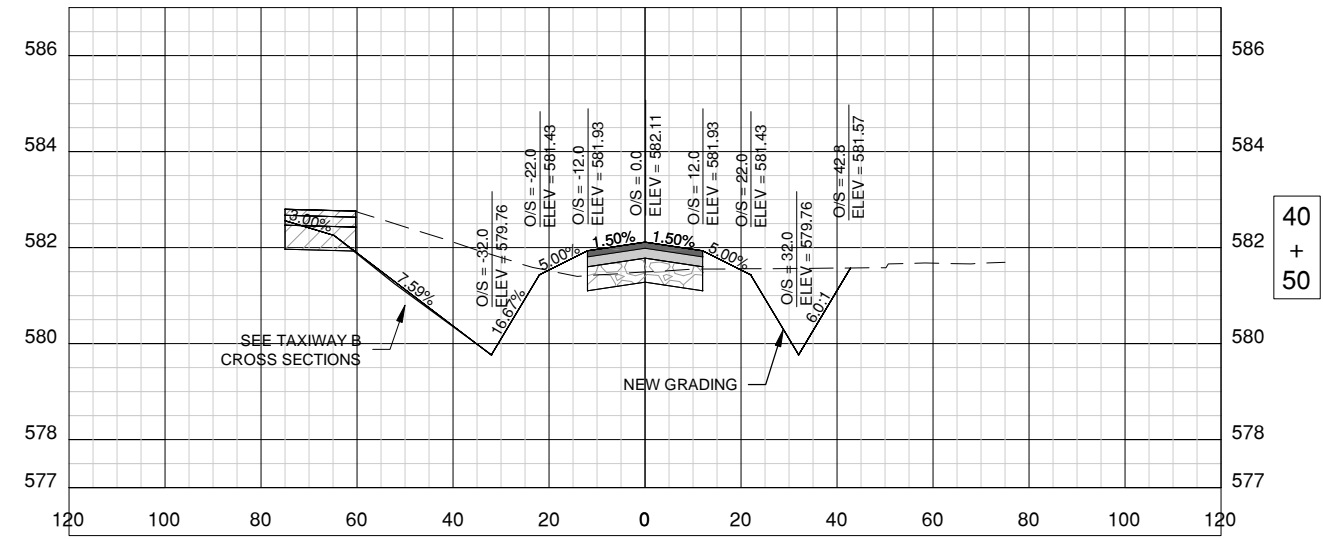
CA015

REVISIONS		
NUMBER	BY	DATE



EARTHWORK SUMMARY


STATION	STATION NUMBER	DISTANCE	AUTOCAD EXCAVATE END AREA	EXCAVATE END AREA (S.F.)	CUT VOLUME (C.Y.)	AUTOCAD EMBANK END AREA	EMBANK END AREA (S.F.)	FILL VOLUME (C.Y.)
SOUTH PERIMETER ROAD								
34+35	3435.00	0.00	64.21	6.42	0.00	4.00	0.40	0.00
34+50	3450.00	15.00	82.89	8.29	4.09	6.86	0.69	0.30
35+00	3500.00	50.00	346.34	34.63	39.74	28.41	2.84	3.27
35+50	3550.00	50.00	886.22	88.62	114.13	5.02	0.50	3.10
36+00	3600.00	50.00	1151.79	115.18	188.70	25.66	2.57	2.84
36+50	3650.00	50.00	1043.66	104.37	203.28	49.66	4.97	6.97
37+00	3700.00	50.00	1322.50	132.25	219.09	11.49	1.15	5.66
37+50	3750.00	50.00	1808.02	180.80	289.86	67.29	6.73	7.29
38+00	3800.00	50.00	2176.78	217.68	368.96	53.31	5.33	11.17
38+50	3850.00	50.00	2467.59	246.76	430.03	58.68	5.87	10.37
39+00	3900.00	50.00	2549.99	255.00	464.59	44.22	4.42	9.53
39+50	3950.00	50.00	3232.42	323.24	535.41	46.62	4.66	8.41
40+00	4000.00	50.00	255.31	25.53	322.94	53.08	5.31	9.23
40+50	4050.00	50.00	378.15	37.82	58.65	37.31	3.73	8.37
41+00	4100.00	50.00	321.04	32.10	64.74	69.90	6.99	9.93
41+50	4150.00	50.00	413.04	41.30	67.97	37.10	3.71	9.91
42+00	4200.00	50.00	208.22	20.82	57.52	13.34	1.33	4.67
TOTAL			18708.2	1870.8	3429.7	612.0	61.2	111.0



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

**MODIFY TAXIWAY B
 PERIMETER ROAD CROSS SECTIONS 4**

© Copyright CMT, Inc.



CMT
 CRAWFORD MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	TJH
DRAWN BY:	CMT
CHECKED BY:	TJH
APPROVED BY:	RLV
DATE:	APRIL 19, 2013
JOB No:	110350300
IL PROJECT SPI-4228 AIP PROJ. NO. 3-17-0096-XX	
SHEET 47 OF 47 SHEETS	