

ITEM 04A  
 LETTING DATE: JULY 31, 2020

TOTAL SHEETS: 95  
 CA021

# CONSTRUCTION PLANS FOR ABRAHAM LINCOLN CAPITAL AIRPORT

## SPRINGFIELD AIRPORT AUTHORITY SPRINGFIELD, IL

IL. PROJ. NO: SPI-4755  
 AIP PROJ. NO: 3-17-0096-XX

### RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

JUNE 29, 2020

**811** Know what's below.  
 Call before you dig. COMMON GROUND ALLIANCE  
 www.call811.com or  
 Phone: 811

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 THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL 911 IN THE EVENT IN WHICH DAMAGE RESULTS IN THE RELEASE OF NATURAL GAS.

**DESIGN INFORMATION**

**GEOMETRIC CRITERIA**

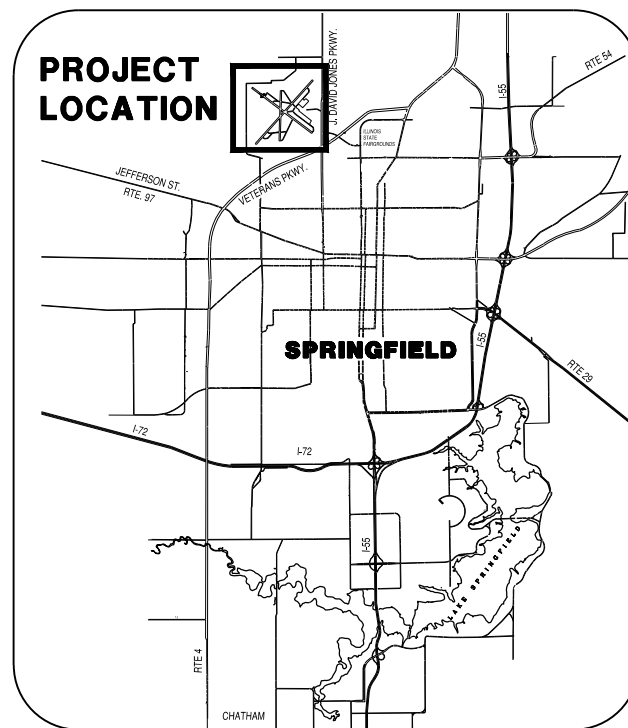
**TAXIWAY CONSTRUCTION**

APPROACH CATEGORY C  
 AIRPLANE DESIGN GROUP III  
 TAXIWAY DESIGN GROUP 3

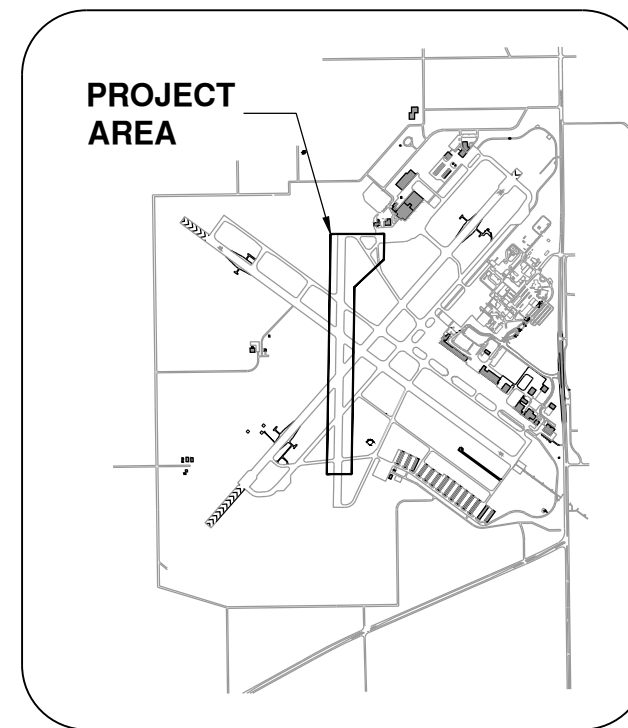
TAXIWAY SAFETY AREA: 118'  
 TAXIWAY OBJECT FREE AREA: 186'  
 TAXIWAY WIDTH: 50'  
 RUNWAY SAFETY AREA: 500'

ABRAHAM LINCOLN CAPITAL AIRPORT

TOWNSHIP: 16 NORTH  
 RANGE: 5 WEST OF THE 4TH P.M.  
 SECTION: 8, 9, 16 & 17  
 COUNTY: SANGAMON  
 CIVIL TOWNSHIP: CAPITAL



LOCATION MAP



SITE PLAN

H. WESLEY IOERGER  
 062-069455  
 LICENSED PROFESSIONAL ENGINEER  
 STATE OF ILLINOIS  
 W. [Signature]  
 EXP 11/30/2021

ABRAHAM LINCOLN CAPITAL AIRPORT  
 SPRINGFIELD AIRPORT AUTHORITY  
 SPRINGFIELD, ILLINOIS  
 APPROVED *[Signature]*  
 EXECUTIVE DIRECTOR OF AVIATION  
 DATE 6/22/2020

■ SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO  
 SUBMITTED BY *[Signature]*  
 DATE 6/29/2020  
 CMT JOB NUMBER: 180035-05-00



License No. 184-000613  
CONSULTANTS

-----  
JUNE 29, 2020

RUNWAY 18/36 REMOVAL AND  
ASSOCIATED IMPROVEMENTS,  
PHASE 1

OWNER



SPRINGFIELD AIRPORT  
AUTHORITY  
ABRAHAM LINCOLN CAPITAL  
AIRPORT  
SPRINGFIELD, IL

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX CA021  
IL PROJ. NO: SPI-4755  
CMT PROJECT NO: 180035-05  
CAD DWG FILE: 18003505-PH1-GI002.DWG  
DESIGNED BY: HWI  
DRAWN BY: DPA  
CHECKED BY: MJD  
APPROVED BY: RLV  
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SHEET TITLE  
INDEX TO SHEETS &  
SUMMARY OF  
QUANTITIES

GI002  
SHEET 2 OF 95

### SUMMARY OF QUANTITIES

BASE BID			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
AR 106910	REMOVE LIGHT FIXTURE	EA	27
AR 106930	REPLACE LIGHT FIXTURE	EA	27
AR 108108	1/C #8 5 KV UG CABLE	LF	280
AR 108158	1/C #8 5 KV UG CABLE IN UD	LF	6,400
AR 108258	2/C #8 5 KV UG CABLE IN UD	LF	1,135
AR 108706	1/C #6 COUNTERPOISE	LF	7,815
AR 110504	4-WAY CONCRETE ENCASED DUCT	LF	100
AR 125100	ELEVATED RETROREFLECTIVE MARKER	EA	15
AR 125416	MITL - BASE MOUNTED - LED	EA	74
AR 125442	TAXI GUIDANCE SIGN, 2 CHARACTER	EA	2
AR 125443	TAXI GUIDANCE SIGN, 3 CHARACTER	EA	2
AR 125444	TAXI GUIDANCE SIGN, 4 CHARACTER	EA	5
AR 125445	TAXI GUIDANCE SIGN, 5 CHARACTER	EA	1
AR 125470	MODIFY SIGN PANEL	EA	4
AR 125525	HIRL, IN-PAVEMENT	EA	1
AR 125565	SPLICE CAN	EA	3
AR 125901	REMOVE STAKE MOUNTED LIGHT	EA	49
AR 125902	REMOVE BASE MOUNTED LIGHT	EA	135
AR 125904	REMOVE TAXI GUIDANCE SIGN	EA	30
AR 125905	REMOVE RWY DISTANCE REMAIN SIGN	EA	4
AR 125906	REMOVE SPLICE CAN	EA	1
AR 150510	ENGINEER'S FIELD OFFICE	LS	1
AR 152410	UNCLASSIFIED EXCAVATION	CY	7,530
AR 152512	SUBGRADE REPAIR	CY	290
AR 154506	GRANULAR SUBBASE - 6"	SY	9,920
AR 156510	SILT FENCE	LF	3,360
AR 156520	INLET PROTECTION	EA	8
AR 156530	TEMPORARY SEEDING	AC	0.6
AR 209600	GEOTEXTILE FABRIC	SY	9,920
AR 401610	BITUMINOUS SURFACE COURSE	TON	105
AR 401650	BITUMINOUS PAVEMENT MILLING	SY	870
AR 501527	17.5" PCC PAVEMENT	SY	8,850
AR 501905	REMOVE PAVEMENT	SY	30,515
AR 603510	BITUMINOUS TACK COAT	GAL	6,210
AR 620520	PAVEMENT MARKING - WATERBORNE	SF	16,000
AR 620525	PAVEMENT MARKING - BLACK BORDER	SF	4,375
AR 620900	PAVEMENT MARKING REMOVAL	SF	17,200
AR 701512	12" RCP, CLASS IV	LF	1,225
AR 701900	REMOVE PIPE	LF	25
AR 705524	4" PERFORATED UNDERDRAIN W/SOCK	LF	2,720
AR 705635	UNDERDRAIN COLLECTION STRUCTURE	EA	7
AR 705640	UNDERDRAIN CLEANOUT	EA	9
AR 705645	UNDERDRAIN CONNECTION	EA	4
AR 751410	INLET	EA	6
AR 751530	MANHOLE	EA	1
AR 751900	REMOVE INLET	EA	1
AR 800308	EXPLORATORY EXCAVATION	EA	4
AR 901510	SEEDING	AC	6.0
AR 904510	SODDING	SY	1,640
AR 908515	HEAVY-DUTY HYDRAULIC MULCH	AC	6.0

ALTERNATE 1			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
AS 125444	TAXI GUIDANCE SIGN, 4 CHARACTER	EA	2
AS 125445	TAXI GUIDANCE SIGN, 5 CHARACTER	EA	2
AS 125515	HIRL, BASE MOUNTED	EA	2
AS 152410	UNCLASSIFIED EXCAVATION	CY	4,410
AS 156510	SILT FENCE	LF	1,220
AS 156520	INLET PROTECTION	EA	3
AS 156530	TEMPORARY SEEDING	AC	0.4
AS 501905	REMOVE PAVEMENT	SY	10,145
AS 701512	12" RCP, CLASS IV	LF	155
AS 701515	15" RCP, CLASS IV	LF	225
AS 701524	24" RCP, CLASS IV	LF	190
AS 751410	INLET	EA	3
AS 751940	ADJUST INLET	EA	1
AS 800308	EXPLORATORY EXCAVATION	EA	2
AS 901510	SEEDING	AC	3.6
AS 904510	SODDING	SY	660
AS 908515	HEAVY-DUTY HYDRAULIC MULCH	AC	3.6

ALTERNATE 2			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
AT 110900	REMOVE DUCT	LF	125
AT 125462	TAXI GUIDANCE SIGN, UNLIT	EA	1
AT 125901	REMOVE STAKE MOUNTED LIGHT	EA	16
AT 125902	REMOVE BASE MOUNTED LIGHT	EA	2
AT 125904	REMOVE TAXI GUIDANCE SIGN	EA	1
AT 152410	UNCLASSIFIED EXCAVATION	CY	7,790
AT 152621	REMOVE CONCRETE	CY	155
AT 156510	SILT FENCE	LF	1,120
AT 156520	INLET PROTECTION	EA	6
AT 156530	TEMPORARY SEEDING	AC	0.4
AT 501120	RUBBLIZE PAVEMENT	SY	4,880
AT 800308	EXPLORATORY EXCAVATION	EA	2
AT 800331	PAVEMENT MILLING, 6"	SY	4,880
AT 901510	SEEDING	AC	3.7
AT 908515	HEAVY-DUTY HYDRAULIC MULCH	AC	3.7

ALTERNATE 3			
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
AU 152410	UNCLASSIFIED EXCAVATION	CY	670
AU 156510	SILT FENCE	LF	2,535
AU 156520	INLET PROTECTION	EA	3
AU 156530	TEMPORARY SEEDING	AC	0.6
AU 501120	RUBBLIZE PAVEMENT	SY	20,975
AU 800308	EXPLORATORY EXCAVATION	EA	2
AU 800331	PAVEMENT MILLING, 6"	SY	20,975
AU 901510	SEEDING	AC	6.2
AU 908515	HEAVY-DUTY HYDRAULIC MULCH	AC	6.2

### Sheet List Table

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4	GI102	CONTRACT OVERVIEW & CONST. ACCESS
5	GC001	CONSTRUCTION ACTIVITY PLAN NOTES 1
6	GC002	CONSTRUCTION ACTIVITY PLAN NOTES 2
7	GC003	CONSTRUCTION ACTIVITY PLAN DETAILS
8	GC101	CONSTRUCTION ACTIVITY PLAN - PHASE 1A
9	GC102	CONSTRUCTION ACTIVITY PLAN - PHASE 1B
10	GC103	CONSTRUCTION ACTIVITY PLAN - PHASE 2
11	GC104	CONSTRUCTION ACTIVITY PLAN - PHASE 3
12	GC105	CONSTRUCTION ACTIVITY PLAN - PHASE 4
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14	CD002	EXISTING UTILITIES 1
15	CD003	EXISTING UTILITIES 2
16	CD100	RUNWAY 18-36 CLOSURE 1
17	CD101	RUNWAY 18-36 CLOSURE 2
18	CD102	EXISTING CONDITIONS AND REMOVALS 1
19	CD103	EXISTING CONDITIONS AND REMOVALS 2
20	CD104	EXISTING CONDITIONS AND REMOVALS 3
21	CD105	EXISTING CONDITIONS AND REMOVALS 4
22	CD106	EXISTING CONDITIONS AND REMOVALS 5
23	CD107	EXISTING CONDITIONS AND REMOVALS 6
24	CD108	EXISTING CONDITIONS AND REMOVALS 7
25	CP100	HORIZONTAL CONTROL
26	CP101	PROPOSED GEOMETRY
27	CP102	RUNWAY 4 THRESHOLD IMPROVEMENTS
28	CP201	PLAN & PROFILE - TAXIWAY A
29	CP202	PLAN & PROFILE - TAXIWAY H
30	CP203	PLAN & PROFILE - TAXIWAY Y
31	CP301	TYPICAL SECTION
32	CP302	PAVEMENT TRANSITION DETAILS
33	CJ101	JOINTING PLAN 1
34	CJ102	JOINTING PLAN 2
35	CS101	STAKING PLAN
36	CJ501	PAVING DETAILS 1
37	CJ502	PAVING DETAILS 2
38	CG101	GRADING & DRAINAGE PLAN 1
39	CG102	GRADING & DRAINAGE PLAN 2
40	CG103	GRADING & DRAINAGE PLAN 3
41	CG104	GRADING & DRAINAGE PLAN 4
42	CG105	GRADING & DRAINAGE PLAN 5
43	CG301	GRADING DETAILS
44	CU101	STORM SEWER AND UNDERDRAIN PLAN 1
45	CU102	STORM SEWER AND UNDERDRAIN PLAN 2
46	CU103	STORM SEWER SCHEDULES
47	CU104	UNDERDRAIN SCHEDULES
48	CU201	STORM SEWER PROFILES

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53	EL102	LIGHTING & SIGNAGE PLAN 2
54	EL103	LIGHTING & SIGNAGE PLAN 3
55	EL201	CABLING PLAN 1
56	EL202	CABLING PLAN 2
57	EL203	CABLING PLAN 3
58	EL 401	LIGHTING SCHEDULE
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60	EL501	ELECTRICAL DETAILS 1
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62	EL503	ELECTRICAL DETAILS 3
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64	CM101	PAVEMENT MARKING PLAN 1
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69	LG102	EROSION CONTROL & TURFING PLANS 2
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72	LG501	EROSION CONTROL DETAILS
73	CG700	CROSS SECTION INDEX - REMOVALS
74	CG701	CROSS SECTIONS - RWY 18-36 REMOVALS 1
75	CG702	CROSS SECTIONS - RWY 18-36 REMOVALS 2
76	CG703	CROSS SECTIONS - RWY 18-36 REMOVALS 3
77	CG704	CROSS SECTIONS - RWY 18-36 REMOVALS 4
78	CG705	CROSS SECTIONS - RWY 18-36 REMOVALS 5
79	CG706	CROSS SECTIONS - RWY 18-36 REMOVALS 6
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85	CG712	CROSS SECTIONS - RWY 18-36 REMOVALS 12
86	CG713	CROSS SECTIONS - RWY 18-36 REMOVALS 13
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94	CG803	CROSS SECTIONS - TAXIWAY H
95	CG804	CROSS SECTIONS - TAXIWAY Y







(NOTES CONTINUED FROM SHEET GC001)

**19. 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, RUBBISH FROM DEMO, AND OTHER MISCELLANEOUS DEBRIS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY, UNLESS OTHERWISE SPECIFIED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEGGAR TESTING ALL EXISTING CIRCUITS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION AS SPECIFIED IN THE SPECIFICATIONS.

**20. AIRPORT SECURITY REQUIREMENTS**

1. MAINTAINING THE SECURITY REQUIREMENTS OF THE AIRPORT SHALL BE A PRIMARY CONCERN FOR THE CONTRACTOR.
2. A LIST OF PERSONNEL AUTHORIZED TO WORK ON THE AIRFIELD SHALL BE PROVIDED TO THE RESIDENT ENGINEER BY THE CONTRACTOR. THE SUPERINTENDENT AND FOREMAN THAT ARE ISSUED BADGES SHALL BE DIRECTLY RESPONSIBLE FOR THE IDENTITY AND LOCATION OF THOSE THEY ARE SUPERVISING WHILE ON THE AIRFIELD. BADGES SHALL BE RETURNED TO THE AIRPORT AT THE FINAL INSPECTION OR WHEN THE PERSON IS NO LONGER EMPLOYED BY THE CONTRACTOR. THE CONTRACTOR WILL PAY A FEE OF \$200.00 WITHIN 15 DAYS FOR EACH ACCESS BADGE THAT IS LOST, DESTROYED, STOLEN, OR NOT RETURNED AT THE FINAL INSPECTION.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING AIRPORT SECURITY BY SUPERVISING OPENINGS OR MAINTAINING THE AIRPORT PERIMETER FENCE LINE AT ALL TIMES.
4. 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.
5. THE CONTRACTOR SHALL INSTALL AND USE TEMPORARY GATES 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, THE MAINTENANCE SUPERVISOR, AND THE SECURITY CHIEF. NO ADDITIONAL KEYS ARE TO BE DISTRIBUTED UNLESS AUTHORIZED BY THE RESIDENT ENGINEER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THE INSTALLATION AND REMOVAL OF TEMPORARY ACCESS GATES.
6. AS A MINIMUM, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY DURING CONSTRUCTION AS FOLLOWS:
  - a. POSSESS A COPY OF THE AIRPORT'S PROJECT SECURITY PLAN.
  - b. VISIBLY DELINEATE HIS CONSTRUCTION ZONE BY PLACING A LINE OF BARRICADES OR FLAGGING AROUND THE ENTIRE WORK ZONE DURING EACH PHASE OF THE CONTRACT.
  - c. COMPLY WITH THE AIRPORT'S SECURITY PLAN ASSOCIATED WITH THE CONSTRUCTION PROJECT AND ENSURE THAT CONSTRUCTION PERSONNEL ARE FAMILIAR WITH SECURITY PROCEDURES AND REGULATIONS ON THE AIRPORT.
  - d. ENSURE THAT NO CONSTRUCTION EMPLOYEES, EMPLOYEES OF SUBCONTRACTORS OR SUPPLIERS, OR OTHER PERSONS ENTER ANY PART OF THE AIRCRAFT OPERATIONS AREA FROM CONSTRUCTION SITE UNLESS AUTHORIZED.
  - e. THE AIRPORT MAY REQUIRE THAT ALL SECURITY GUARDS UNDERGO ADDITIONAL TRAINING NECESSARY TO MEET THE AIRPORT'S SECURITY NEEDS.
  - f. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN SECURITY ON THE AIRPORT AS SPECIFIED OR AS DIRECTED BY THE AIRPORT.
  - g. THE CONTRACTOR'S SUPERINTENDENT, FOREMAN, SECURITY GUARDS, AND ANY SUPERVISORY PERSONNEL IN CHARGE OF OTHER WORKERS SHALL OBTAIN AN AIRPORT AUTHORITY SECURITY BADGE AND DISPLAY THIS BADGE WHILE ON SITE IN ACCORDANCE WITH FAA AND TSA REGULATIONS. CONTRACTOR PERSONNEL WITH BADGES SHALL BE DIRECTLY RESPONSIBLE FOR THE IDENTITY AND LOCATION OF THOSE THEY ARE SUPERVISING WHILE ON THE AIRFIELD.

**20. AIRPORT SECURITY REQUIREMENTS (CONT'D)**

- h. TO OBTAIN AIRPORT SECURITY BADGES, CONTRACTORS MUST COMPLETE A CRIMINAL HISTORY RECORDS CHECK TWO WEEKS PRIOR TO EMPLOYEES BEING ALLOWED ACCESS TO THE SITE. THE TWO-WEEK PERIOD IS NECESSARY FOR AN ADEQUATE TIME OF PROCESSING FINGERPRINTS FOR COMPLETING THE CRIMINAL HISTORY CHECK. THE CONTRACTOR IS REQUIRED TO DEPOSIT A \$200 FEE TO THE AIRPORT PER BADGE, WHICH IS 80% REFUNDABLE AFTER EACH BADGE IS RETURNED. THE AIRPORT MUST RECEIVE THIS FEE/DEPOSIT PRIOR TO CONDUCTING ANY OF THE SECURITY BADGE ISSUE PROCESS. THE CONTRACTOR IS REQUIRED TO CONTACT THE AIRPORT AT LEAST THREE CALENDAR DAYS PRIOR TO SCHEDULING FINGERPRINTING AND BADGE TRAINING. TRAINING LASTS APPROXIMATELY TWO HOURS AND CAN BE CONDUCTED INDIVIDUALLY OR WITH A GROUP.
- i. THE UNITED STATES DEPARTMENT OF HOMELAND SECURITY HAS DESIGNATED THE SECURITY LEVEL AS HIGH RISK AT ABRAHAM LINCOLN CAPITAL AIRPORT. SUBSEQUENTLY, THE AIRPORT MUST HAVE ALL SECURITY ACTIVITY AND PROGRAMS APPROVED BY THE UNITED STATES DEPARTMENT OF HOMELAND SECURITY TRANSPORTATION SECURITY ADMINISTRATION. TO OBTAIN AIRPORT AUTHORITY ACCESS BADGES, THE CONTRACTOR SHALL PROVIDE COMPLETED ACCESS CONTROL FORMS PROVIDED BY THE AIRPORT FOR ALL PERSONNEL HE PROPOSES TO USE ON THE AIRPORT. THE CONTRACTORS WILL NEED TO PROVIDE THE AIRPORT AUTHORITY WITH DOCUMENTATION FROM THE LIST OF ACCEPTABLE DOCUMENTS, WHICH ESTABLISHES BOTH IDENTITY AND EMPLOYMENT AUTHORIZATION TWO WEEKS PRIOR TO EMPLOYEES BEING ALLOWED ACCESS TO THE SITE. THE TWO-WEEK PERIOD IS NECESSARY FOR AN ADEQUATE TIME OF PROCESSING OF A SECURITY THREAT ASSESSMENT (STA) FOR EACH EMPLOYEE REQUESTING ACCESS BY THE HOMELAND SECURITY TRANSPORTATION SECURITY ADMINISTRATION. THE CONTRACTOR IS REQUIRED TO CONTACT THE DIRECTOR OF OPERATIONS AND PUBLIC SAFETY AT 217-494-0787 FOR THE SCHEDULING OF ALL ACCESS BADGE APPLICATIONS.
- j. A MINIMUM OF SEVEN (7) DAYS PRIOR TO CONSTRUCTION, A MANDATORY SAFETY MEETING WILL BE CONDUCTED FOR ALL PARTIES INVOLVED. THIS SAFETY MEETING WILL INCLUDE A REVIEW OF A TRANSPORTATION SECURITY ADMINISTRATION (TSA) APPROVED ABRAHAM LINCOLN CAPITAL AIRPORT CHANGE OF CONDITION FOR THIS CONSTRUCTION PROJECT. THIS REVIEW WILL INCLUDE A SET OF SECURITY REQUIREMENTS AND PROCEDURES THAT THE CONTRACTOR WILL BE REQUIRED TO FOLLOW AT ALL TIMES WHILE OPERATING AT THE AIRPORT.
- k. THE CONTRACTOR WILL DESIGNATE A MINIMUM OF ONE INDIVIDUAL TO BE THE 24-HOUR POINT OF CONTACT AND ASSUME ALL ON-SITE SECURITY RESPONSIBILITIES FOR ALL EMPLOYEES DURING THE PROJECT. THIS INDIVIDUAL SHALL PROVIDE THE AIRPORT AUTHORITY A 24-HOUR CONTACT FOR EMERGENCY PURPOSES. THIS INDIVIDUAL WILL ALSO BE REQUIRED TO HAVE AVAILABLE AND PRESENT UPON REQUEST AT ANY TIME; A COPY OF THE TRANSPORTATION SECURITY ADMINISTRATION (TSA) APPROVED CHANGE OF CONDITION DURING THE PROJECT.
- l. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE ACCESS GATE CLOSED AND LOCKED DURING WORK HOURS. IF THE CONTRACTOR CHOOSES TO LEAVE THE GATE OPEN, THEN HE SHALL POST A COMPETENT, PROPERLY TRAINED SECURITY GUARD TO PREVENT UNAUTHORIZED ENTRIES. THE CONTRACTOR SHALL REPLACE ANY UNSATISFACTORY SECURITY GUARDS IF SO DIRECTED BY THE AIRPORT.
- m. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A HEAVY-DUTY PADLOCK ON THE ACCESS GATE. HE SHALL PROVIDE KEYS FOR THIS PADLOCK TO THE RESIDENT ENGINEER AND AIRPORT. NO ADDITIONAL KEYS ARE TO BE DISTRIBUTED UNLESS AUTHORIZED BY THE AIRPORT.
- n. THE CONTRACTOR SHALL PROVIDE A SIGN AT ALL ACCESS GATES STATING " AUTHORIZED PERSONNEL ONLY." ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**20. AIRPORT SECURITY REQUIREMENTS (CONT'D)**

- o. THE AIRPORT OPERATOR HAS A PROGRAM IN WHICH THE CONTRACTOR HAS THE ABILITY TO HAVE PERSONNEL APPROVED TO ACQUIRE ACCESS TO THE AIR OPERATIONS AREA (AOA) WITHOUT DRIVING PRIVILEGES FOR PURPOSES OF THIS CONTRACT. THOSE PERSON(S) HAVING ACCESS MUST SUCCESSFULLY COMPLETE SECURITY TRAINING AND PROVIDE PROPER DOCUMENTATION AS REQUIRED BY THE AIRPORT. PERSON(S) WITH ACCESS PRIVILEGES MUST SUCCESSFULLY COMPLETE THE NECESSARY SECURITY TRAINING IN ORDER THAT THEY CAN ESCORT ADDITIONAL WORKERS LIMITED TO HAVING ONLY CONTROLLED ACCESS PRIVILEGES.
- p. THE TRANSPORTATION SECURITY ADMINISTRATION (TSA) REQUIRED A TEMPORARY MODIFICATION TO THE AIRPORT SECURITY PLAN, KNOWN AS A CHANGE OF CONDITION PLAN (CCP) AND THE CONTRACTOR AND MAJOR SUBCONTRACTORS WILL BE REQUIRED TO SIGN THE PLAN INDICATING THEIR COMPLIANCE WITH THE SECURITY REQUIREMENTS SPECIFIED IN THE CCP. A MANDATORY SAFETY BRIEFING WILL BE HELD AT THE PUBLIC SAFETY FACILITY PRIOR TO THE START OF THE PROJECT.



License No. 184-000613

CONSULTANTS

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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



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


MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA021
IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-GC000.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
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SHEET TITLE  
**CONSTRUCTION  
ACTIVITY PLAN  
NOTES 2**

GC002  
SHEET 6 OF 95













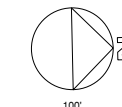








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0 100' 200'  
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

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JUNE 29, 2020

### RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

OWNER



SPRINGFIELD AIRPORT  
AUTHORITY  
ABRAHAM LINCOLN CAPITAL  
AIRPORT  
SPRINGFIELD, IL

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CAXXX
IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-CD200.DWG	
DESIGNED BY: HWI	
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APPROVED BY: RLV	
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SHEET TITLE  
**EXISTING UTILITIES 2**

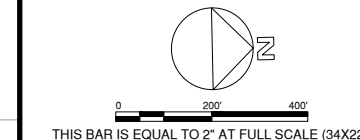
CD003

SHEET 10 OF 95

MATCHLINE - SEE EXISTING UTILITY 2

#### EXISTING CONDITIONS LEGEND

- EXISTING RUNWAY LIGHT
- EXISTING BASE MOUNTED TAXIWAY LIGHT
- EXISTING STAKE MOUNTED TAXIWAY LIGHT
- EXISTING RUNWAY LIGHTING CIRCUIT
- EXISTING TAXIWAY B CIRCUIT
- EXISTING TAXIWAY E CIRCUIT
- EXISTING VASI CIRCUIT
- EXISTING PAPI CIRCUIT
- EXISTING REIL CIRCUIT
- EXISTING RGL CIRCUIT
- EXISTING UNDERGROUND ELECTRIC
- EXISTING FIBER OPTIC LINE
- EXISTING FAA POWER / CONTROL CABLE
- EXISTING WINDCONE CIRCUIT
- EXISTING RWY LIGHT INTENSITY CABLE
- EXISTING FAA ILS CIRCUIT
- EXISTING BEACON CIRCUIT
- EXISTING SENSOR CIRCUIT
- EXISTING WATER LINE
- EXISTING TELEPHONE LINE
- EXISTING STORM SEWER LINE
- EXISTING STORM DRAIN MANHOLE
- EXISTING UNDERDRAIN
- EXISTING UNDERDRAIN CLEANOUT
- EXISTING CATCH BASIN
- EXISTING SIGN
- EXISTING SPLICE CAN
- EXISTING RUNWAY GUARD LIGHTS



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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

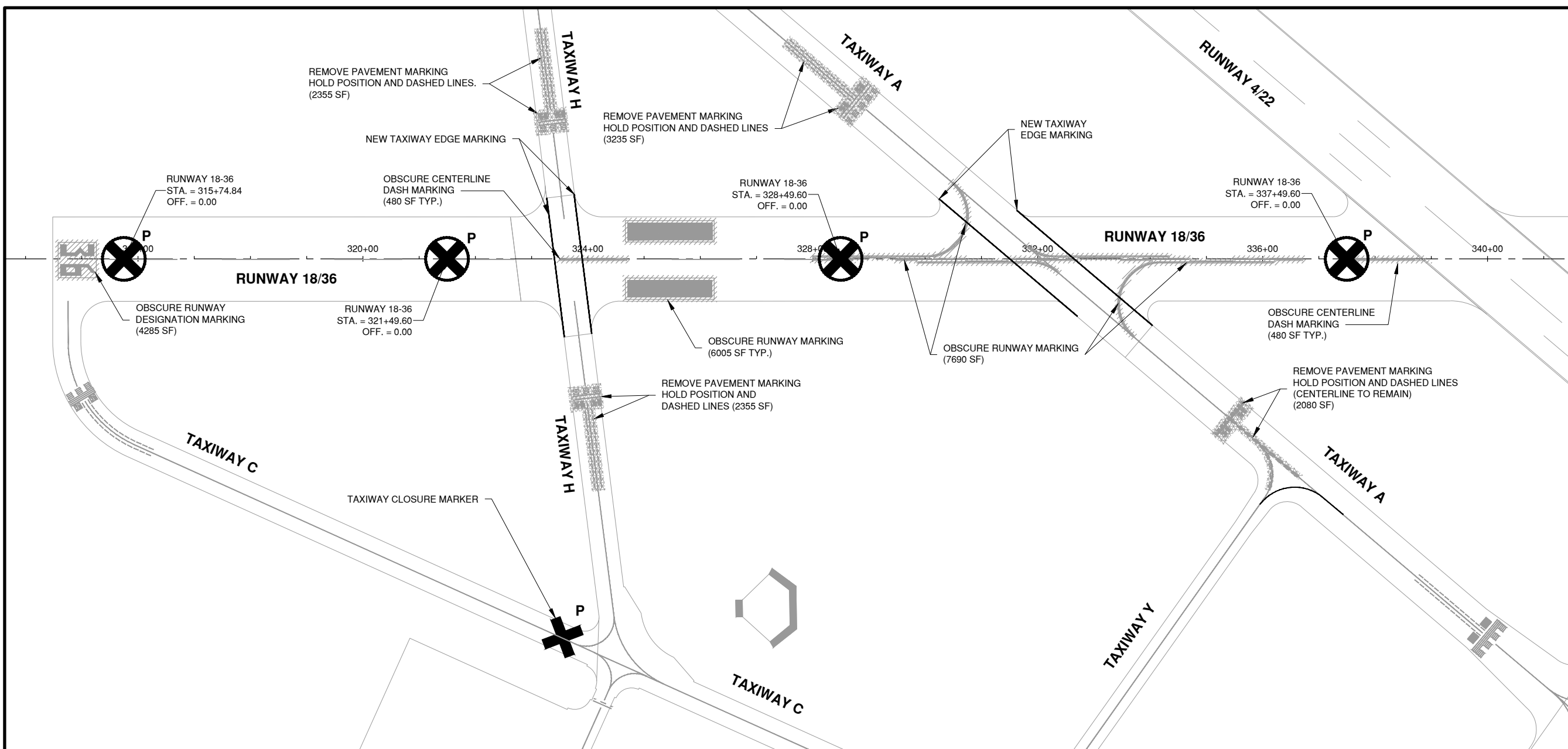
OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

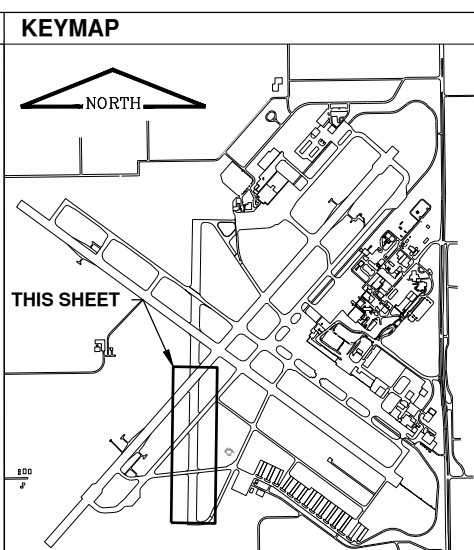
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IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-CD100.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

SHEET TITLE  
**RUNWAY 18-36 CLOSURE 1**



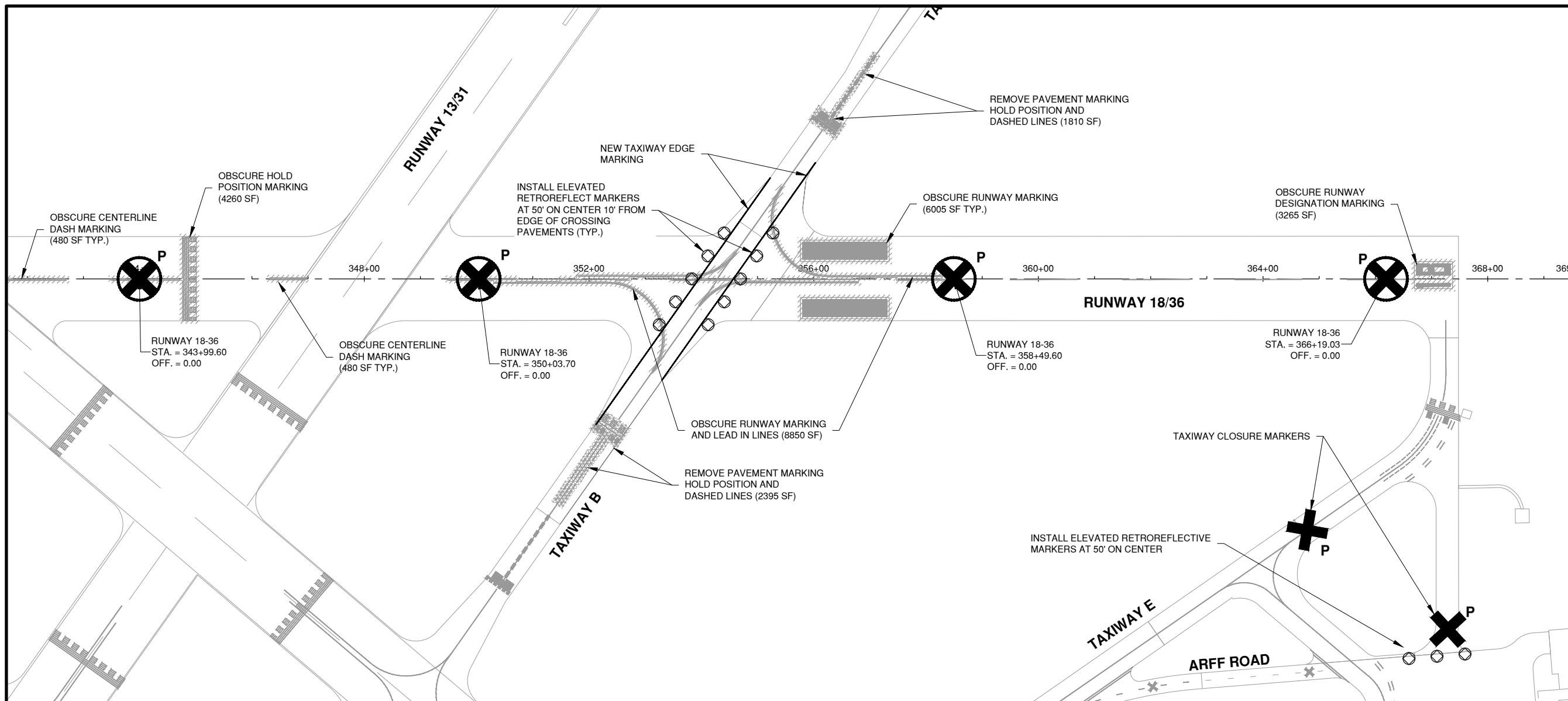
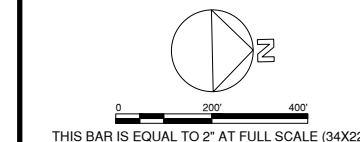
- NOTES**
- CONTRACTOR SHALL NOTIFY THE AIRPORT THROUGH THE RPR 72 HOURS PRIOR TO THE INITIATION OF ANY WORK.
  - DISCONNECT EXISTING RUNWAY 18/36 EDGE LIGHTING CIRCUIT AT VAULT.
  - WHERE INDICATED, OBSCURE INDICATED RUNWAY 18/36 MARKINGS BY APPLYING BITUMINOUS TACK COAT (ITEM AR603510) IN A QUANTITY SUFFICIENT TO COMPLETELY OBSCURE THE PAVEMENT MARKING TO THE SATISFACTION OF THE RPR AND THE AIRPORT. EMULSIFIED ASPHALT SHALL BE APPLIED IN AN AREA THAT EXTENDS 24" BEYOND THE EDGE OF THE MARKING TO BE OBSCURED.
  - WHERE INDICATED, REMOVE PAVEMENT MARKINGS IN ACCORDANCE WITH ITEM AR620900.
  - RUNWAY DESIGNATION MARKINGS SHALL BE OBSCURED AS SHOWN IN THE DETAIL ON THIS SHEET.
  - PAINT RUNWAY AND TAXIWAY CLOSURE MARKERS AT THE LOCATIONS INDICATED (ITEM AR620520).
  - PLACE ELEVATED RETROREFLECTIVE MARKERS (ITEM AR125100) AT THE LOCATIONS INDICATED.
  - REAPPLY EMULSIFIED ASPHALT TO OBSCURED MARKINGS AS REQUESTED BY THE AIRPORT OR THE RPR THROUGHOUT CONSTRUCTION.
  - INGRESS TO AND EGRESS FROM THE WORK AREA WILL REQUIRE CROSSING ACTIVE AIRFIELD PAVEMENT. CONTRACTOR SHALL REQUEST ACCESS TO THE SITE VIA ATCT RADIO CONTACT.
  - WORK ON THIS SHEET SHALL BE COMPLETE AND ACCEPTED BY THE RPR PRIOR TO BEGINNING ANY OTHER CONSTRUCTION ACTIVITIES ON THE AIRFIELD PAVEMENTS.
  - RUNWAY 18/36 CLOSURE MARKERS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

- LEGEND**
- BEAM BARRICADES
  - ELEVATED RETROREFLECTIVE MARKER
  - OBSCURE PAVEMENT MARKINGS
  - REMOVE PAVEMENT MARKINGS
  - P RUNWAY CLOSURE MARKER (PAINTED)
  - P TAXIWAY CLOSURE MARKER (PAINTED)



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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

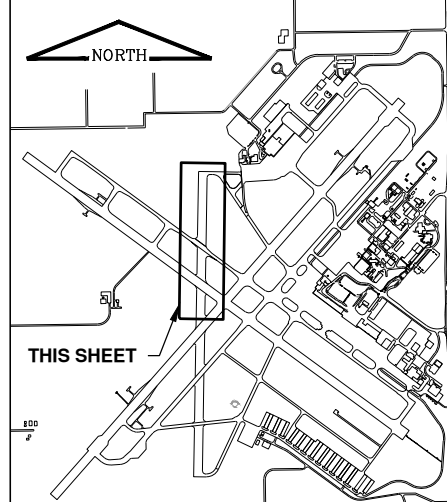
**NOTES**

1. CONTRACTOR SHALL NOTIFY THE AIRPORT DIRECTOR THROUGH THE RPR 72 HOURS PRIOR TO THE INITIATION OF ANY WORK.
2. DISCONNECT EXISTING RUNWAY 18/36 EDGE LIGHTING CIRCUIT AT VAULT.
3. WHERE INDICATED, OBSCURE INDICATED RUNWAY 18/36 MARKINGS BY APPLYING BITUMINOUS TACK COAT (ITEM AR603510) IN A QUANTITY SUFFICIENT TO COMPLETELY OBSCURE THE PAVEMENT MARKING TO THE SATISFACTION OF THE RPR AND THE AIRPORT. EMULSIFIED ASPHALT SHALL BE APPLIED IN AN AREA THAT EXTENDS 24" BEYOND THE EDGE OF THE MARKING TO BE OBSCURED.
4. WHERE INDICATED, REMOVE PAVEMENT MARKINGS IN ACCORDANCE WITH ITEM AR620900.
5. RUNWAY DESIGNATION MARKINGS SHALL BE OBSCURED AS SHOWN IN THE DETAIL ON THIS SHEET.
6. PAINT RUNWAY AND TAXIWAY CLOSURE MARKERS AT THE LOCATIONS INDICATED (ITEM AR620520).
7. PLACE ELEVATED RETROREFLECTIVE MARKERS (ITEM AR125100) AT THE LOCATIONS INDICATED.
8. REAPPLY EMULSIFIED ASPHALT TO OBSCURED MARKINGS AS REQUESTED BY THE AIRPORT OR THE RPR THROUGHOUT CONSTRUCTION.
9. INGRESS TO AND EGRESS FROM THE WORK AREA WILL REQUIRE CROSSING ACTIVE AIRFIELD PAVEMENT. CONTRACTOR SHALL REQUEST ACCESS TO THE SITE VIA ATCT RADIO CONTACT.
10. WORK ON THIS SHEET SHALL BE COMPLETE AND ACCEPTED BY THE RPR PRIOR TO BEGINNING ANY OTHER CONSTRUCTION ACTIVITIES ON THE AIRFIELD PAVEMENTS.
11. RUNWAY 18/36 CLOSURE MARKERS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

**LEGEND**

- BEAM BARRICADES
- ELEVATED RETROREFLECTIVE MARKER
- ▨ OBSCURE PAVEMENT MARKINGS
- ▩ REMOVE PAVEMENT MARKINGS
- ⊗ P RUNWAY CLOSURE MARKER (PAINTED)
- ⊗ P TAXIWAY CLOSURE MARKER (PAINTED)

**KEYMAP**



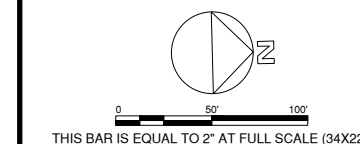
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IL PROJ. NO: SPI-4755		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH1-CD100.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: RLV		
COPYRIGHT:		

**SHEET TITLE**  
**RUNWAY 18-36 CLOSURE 2**









JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER

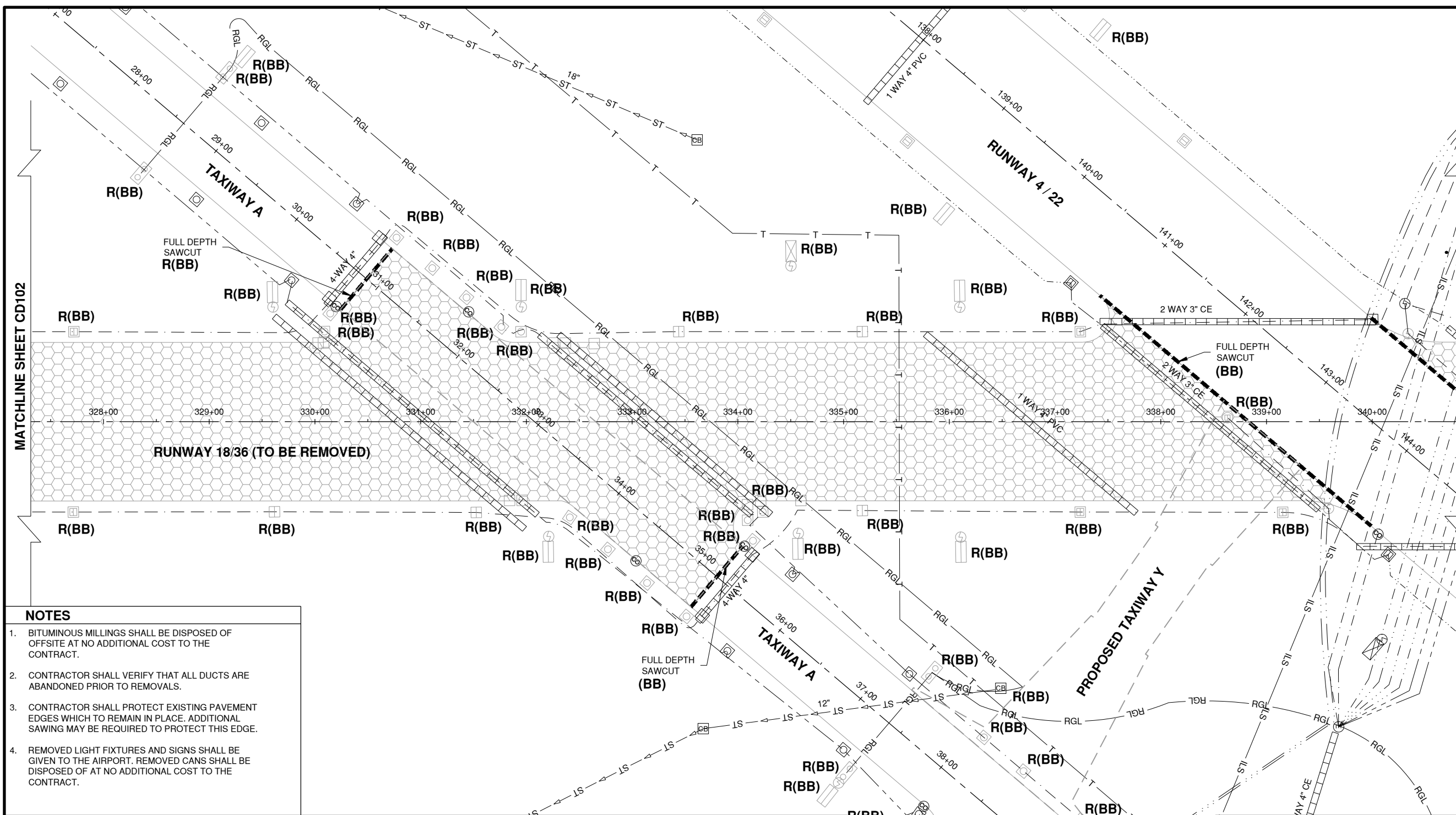


SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO: 3-17-0096-XX		CA021
IL PROJ. NO: SPI-4755		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH1-CD102.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: RLV		
COPYRIGHT:		

**EXISTING CONDITIONS AND REMOVALS 4**

CD105  
SHEET 21 OF 95



- NOTES**
1. BITUMINOUS MILLINGS SHALL BE DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE CONTRACT.
  2. CONTRACTOR SHALL VERIFY THAT ALL DUCTS ARE ABANDONED PRIOR TO REMOVALS.
  3. CONTRACTOR SHALL PROTECT EXISTING PAVEMENT EDGES WHICH TO REMAIN IN PLACE. ADDITIONAL SAWING MAY BE REQUIRED TO PROTECT THIS EDGE.
  4. REMOVED LIGHT FIXTURES AND SIGNS SHALL BE GIVEN TO THE AIRPORT. REMOVED CANS SHALL BE DISPOSED OF AT NO ADDITIONAL COST TO THE CONTRACT.

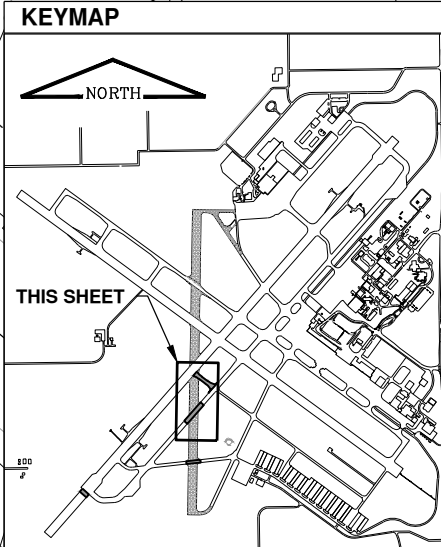
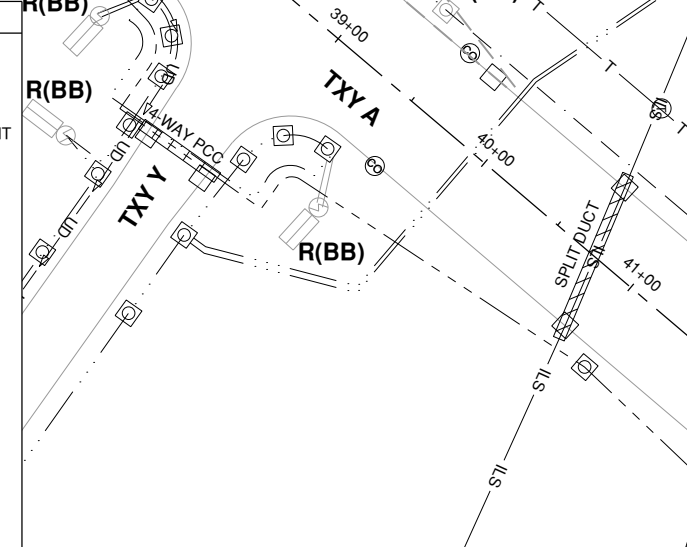
**UTILITY DISCLAIMER**

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

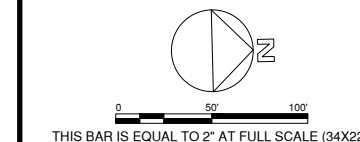
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY AND FAA OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS 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**

	REM. PVMT STRUCTURE (HMA / PCC)	<b>R</b>	LIGHT OR SIGN TO BE REMOVED
	REM. PVMT. STRUCTURE & AGG. BASE	<b>M</b>	MODIFY SIGN PANEL
	FULL DEPTH SAWCUT		EXIST. RWY THRESHOLD STAKE-MOUNTED LIGHT
	EXIST. DUCT BANK		EXIST. RUNWAY BASE-MOUNTED LIGHT
	EXIST. STORM SEWER		EXIST. RUNWAY STAKE-MOUNTED LIGHT
	EXIST. CABLE TO BE ABN'D IN PLACE		EXIST. TAXIWAY BASE-MOUNTED LIGHT
<b>BB</b>	BASE BID		EXIST. TAXIWAY STAKE-MOUNTED LIGHT
<b>A1</b>	ADD. ALTERNATE 1		EXIST. RUNWAY GUARD LIGHT
<b>A2</b>	ADD. ALTERNATE 2		EXIST. SIGN
<b>A3</b>	ADD. ALTERNATE 3		EXIST. DISTANCE REMAINING SIGN
			EXIST. INLET / CATCH BASIN
			EXIST. CLEANOUT
			EXIST. DUCT MARKER



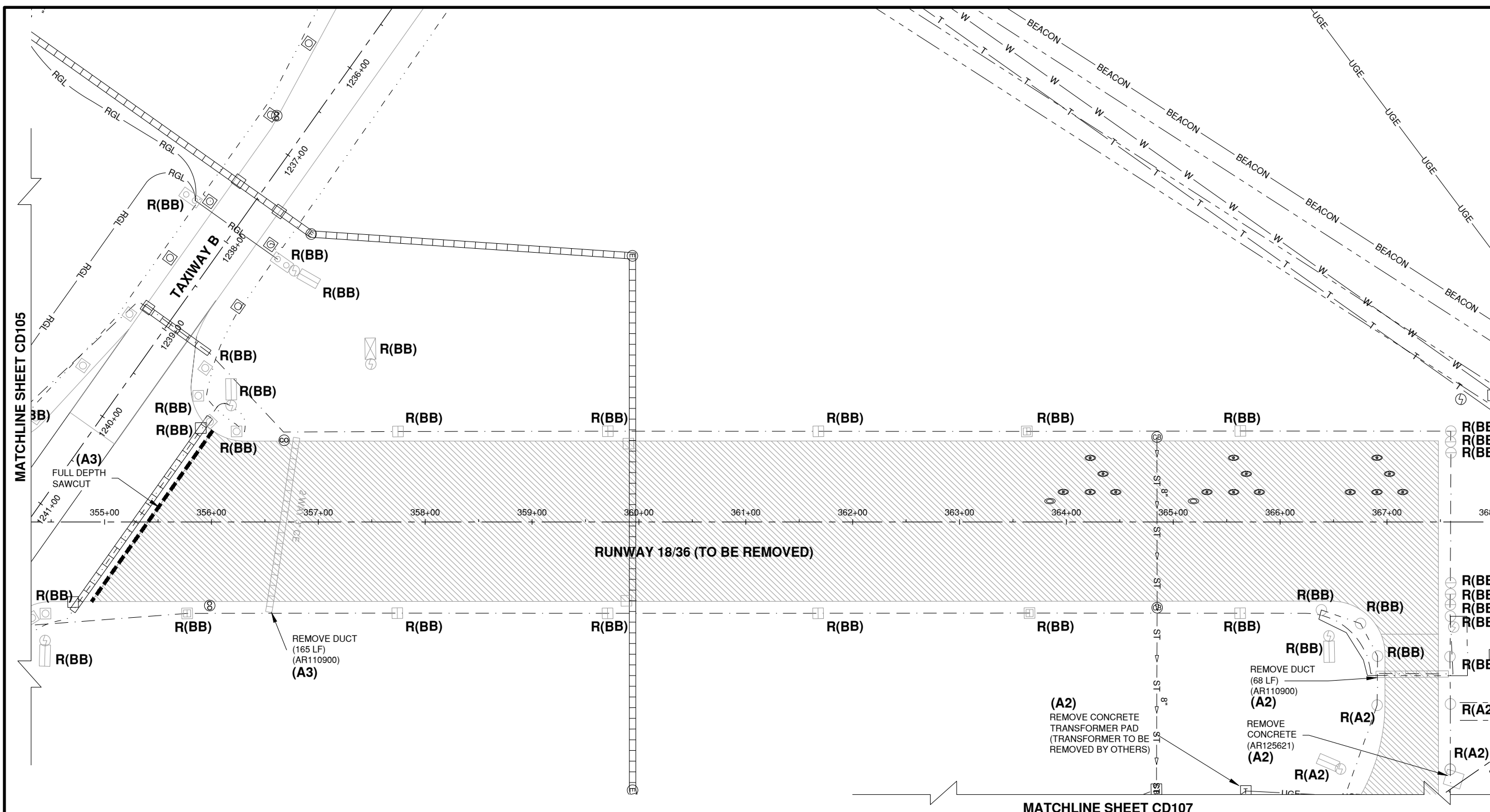




JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER


 SPRINGFIELD AIRPORT AUTHORITY  
 ABRAHAM LINCOLN CAPITAL AIRPORT  
 SPRINGFIELD, IL


**UTILITY DISCLAIMER**

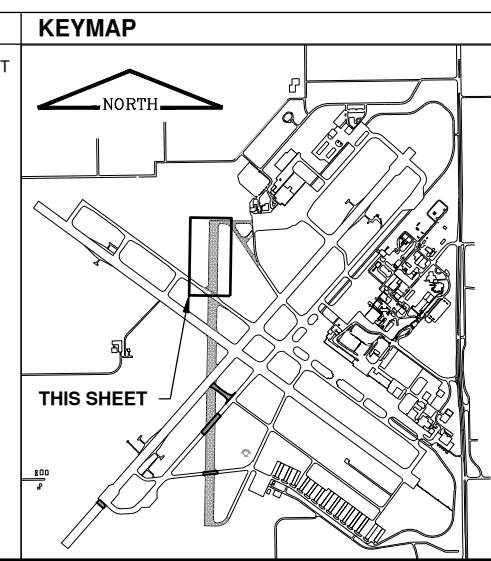
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- NOTES**
- BITUMINOUS MILLINGS SHALL BE DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE CONTRACT.
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  - CONTRACTOR SHALL PROTECT EXISTING PAVEMENT EDGES WHICH TO REMAIN IN PLACE. ADDITIONAL SAWING MAY BE REQUIRED TO PROTECT THIS EDGE.
  - REMOVED LIGHT FIXTURES AND SIGNS SHALL BE GIVEN TO THE AIRPORT. REMOVED CANS SHALL BE DISPOSED OF AT NO ADDITIONAL COST TO THE CONTRACT.

- LEGEND**
- REMOVE PAVEMENT STRUCTURE (HMA / PCC)
  - REMOVE PAVEMENT STRUCTURE & AGG. BASE
  - FULL DEPTH SAWCUT
  - EXIST. DUCT BANK
  - EXIST. STORM SEWER
  - EXIST. CABLE TO BE ABANDONED IN PLACE
  - BB** BASE BID
  - A1** ADD. ALTERNATE 1
  - A2** ADD. ALTERNATE 2
  - A3** ADD. ALTERNATE 3
  - R** LIGHT OR SIGN TO BE REMOVED
  - M** MODIFY SIGN PANEL

- EXIST. RUNWAY THRESHOLD STAKE-MOUNTED LIGHT
- EXIST. RUNWAY BASE-MOUNTED LIGHT
- EXIST. RUNWAY STAKE-MOUNTED LIGHT
- EXIST. TAXIWAY BASE-MOUNTED LIGHT
- EXIST. TAXIWAY STAKE-MOUNTED LIGHT
- EXIST. RUNWAY GUARD LIGHT
- EXIST. SIGN
- EXIST. DISTANCE REMAINING SIGN
- EXIST. INLET / CATCH BASIN
- EXIST. CLEANOUT
- EXIST. DUCT MARKER
- EXIST. TIEDOWN



MARK	DATE	DESCRIPTION
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IL PROJ. NO: SPI-4755		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH1-CD102.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: RLV		
COPYRIGHT:		

SHEET TITLE

**EXISTING CONDITIONS AND REMOVALS 6**

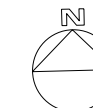
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SHEET 23 OF 95



License No. 184-000613

CONSULTANTS



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

JUNE 29, 2020

### RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

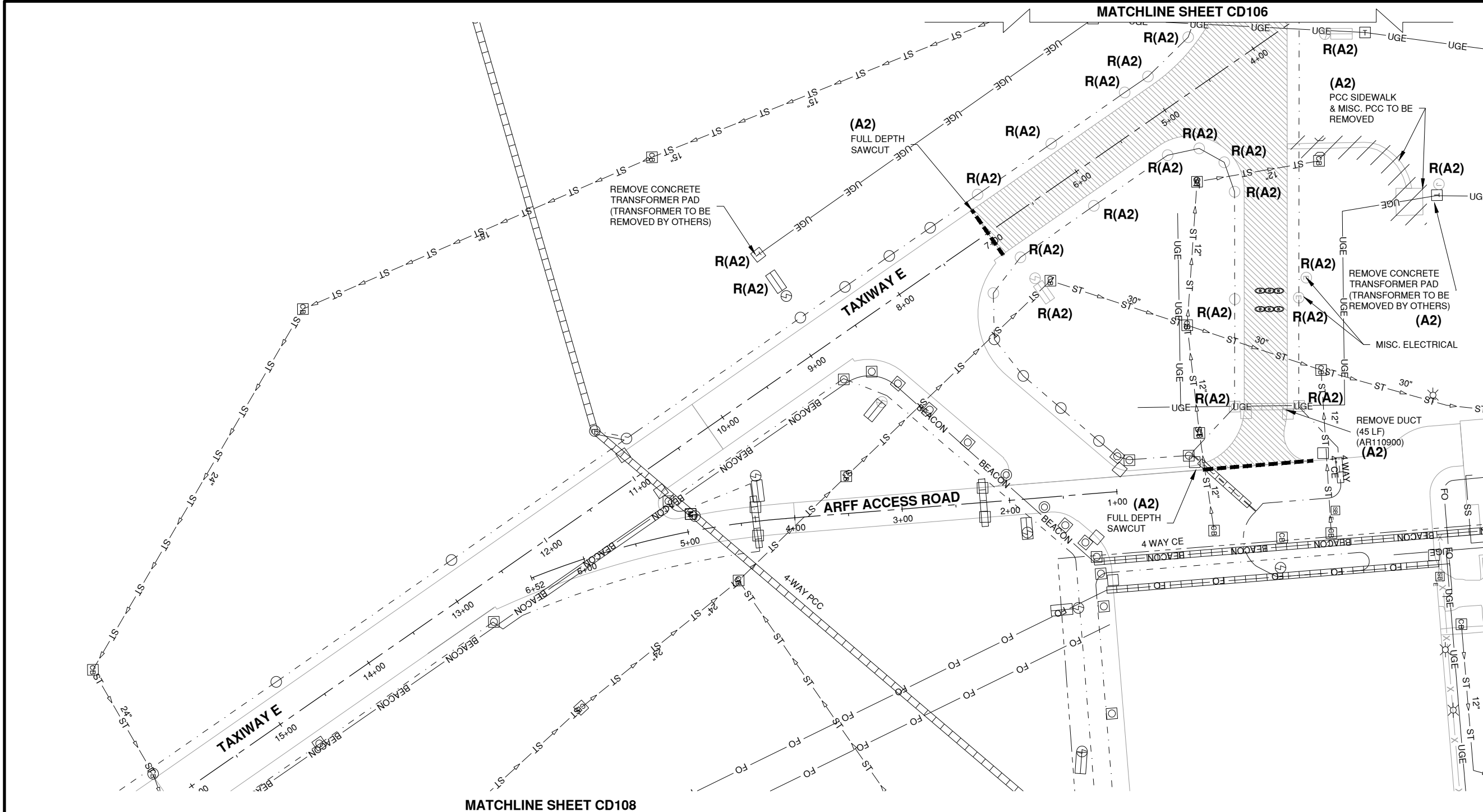
OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MATCHLINE SHEET CD106

MATCHLINE SHEET CD108



#### UTILITY DISCLAIMER

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

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#### NOTES

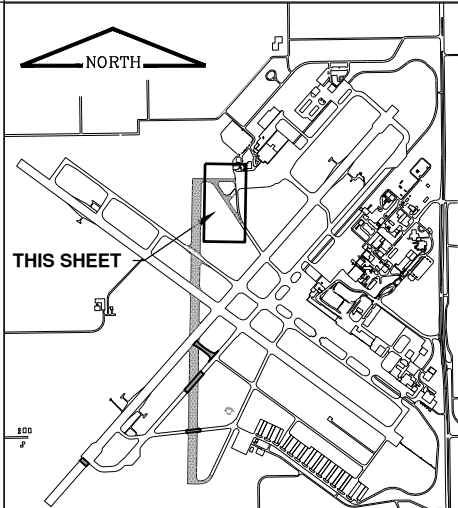
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#### LEGEND

- REMOVE PAVEMENT STRUCTURE (HMA / PCC)
- REMOVE PAVEMENT STRUCTURE & AGG. BASE
- FULL DEPTH SAWCUT
- EXIST. DUCT BANK
- EXIST. STORM SEWER
- EXIST. CABLE TO BE ABANDONED IN PLACE
- BB** BASE BID
- A1** ADD. ALTERNATE 1
- A2** ADD. ALTERNATE 2
- A3** ADD. ALTERNATE 3
- R** LIGHT OR SIGN TO BE REMOVED
- M** MODIFY SIGN PANEL

- EXIST. RUNWAY THRESHOLD STAKE-MOUNTED LIGHT
- EXIST. RUNWAY BASE-MOUNTED LIGHT
- EXIST. RUNWAY STAKE-MOUNTED LIGHT
- EXIST. TAXIWAY BASE-MOUNTED LIGHT
- EXIST. TAXIWAY STAKE-MOUNTED LIGHT
- EXIST. RUNWAY GUARD LIGHT
- EXIST. SIGN
- EXIST. DISTANCE REMAINING SIGN
- EXIST. INLET / CATCH BASIN
- EXIST. CLEANOUT
- EXIST. DUCT MARKER
- EXIST. TIEDOWN

#### KEYMAP

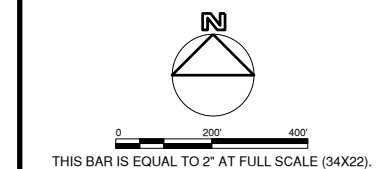


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CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH1-CD102.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: RLV		
COPYRIGHT:		

SHEET TITLE  
**EXISTING CONDITIONS AND REMOVALS 7**  
CD108  
SHEET 24 OF 95

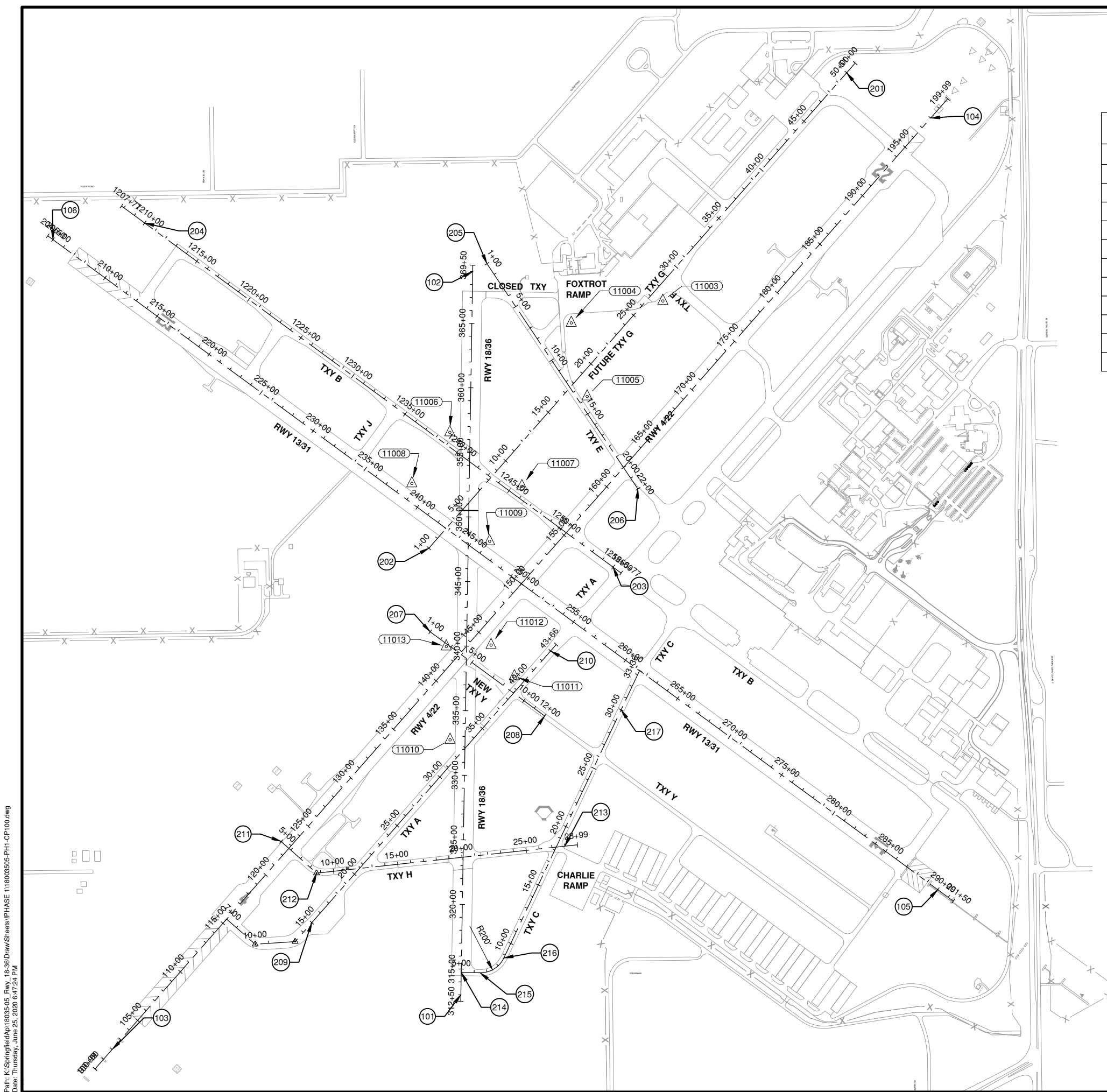
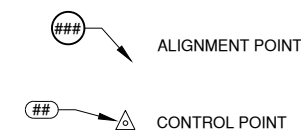
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POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION
11003	103 IPIN	1159636.849'	2434842.840'	587.19'
11004	103 IPIN	1159466.767'	2434133.844'	587.66'
11005	103 IPIN	1158897.523'	2434256.542'	586.66'
11006	103 IPIN	1158619.807'	2433193.514'	588.43'
11007	103 IPIN	1158202.064'	2433751.538'	586.45'
11008	103 IPIN	1158224.510'	2432899.265'	588.36'
11009	103 IPIN	1157776.500'	2433501.190'	589.49'
11010	103 IPIN	1156239.181'	2433195.251'	588.13'
11011	103 IPIN	1156730.933'	2433693.303'	588.79'
11012	103 IPIN	1156972.836'	2433512.577'	589.43'
11013	103 IPIN	1156961.517'	2433165.713'	589.72'

POINT	DESCRIPTION	NORTHING	EASTING
101	RWY 18/36 STA 313+00	1154265.684'	2433279.034'
102	RWY 18/36 STA 369+00	1159864.931'	2433370.878'
103	RWY 4/22 STA 102+00	1153842.673'	2430578.774'
104	RWY 4/22 STA 198+00	1161053.405'	2436916.387'
105	RWY 13/31 STA 290+00	1155079.996'	2436971.296'
106	RWY 13/31 STA 205+00	1160112.085'	2430120.888'
201	TX Y STA 50+00	1161404.112'	2436266.057'
202	TX Y STA 1+00	1157723.634'	2433031.234'
203	TX Y STA 1255+00	1157576.668'	2434458.006'
204	TX Y STA 1210+00	1160240.715'	2430831.320'
205	TX Y STA 1+00	1159926.168'	2433480.525'
206	TX Y STA 22+00	1158181.938'	2434649.996'
207	TX Y STA 1+00	1157075.813'	2433041.737'
208	TX Y STA 12+00	1156424.601'	2433928.260'
209	TX Y STA 15+00	1154824.510'	2432125.248'
210	TX Y STA 43+00	1156927.715'	2433973.640'
211	TX Y STA 5+00	1155453.737'	2431886.769'
212	TX Y STA 8+67.09	1155207.697'	2432161.607'
213	TX Y STA 28+00	1155416.441'	2434083.208'
214	TX Y STA 5+00	1154439.039'	2433281.878'
215	TX Y STA 6+64.40	1154436.660'	2433428.255'
216	TX Y STA 8+75.59	1154551.247'	2433612.362'
217	TX Y STA 30+00	1156472.321'	2434519.339'



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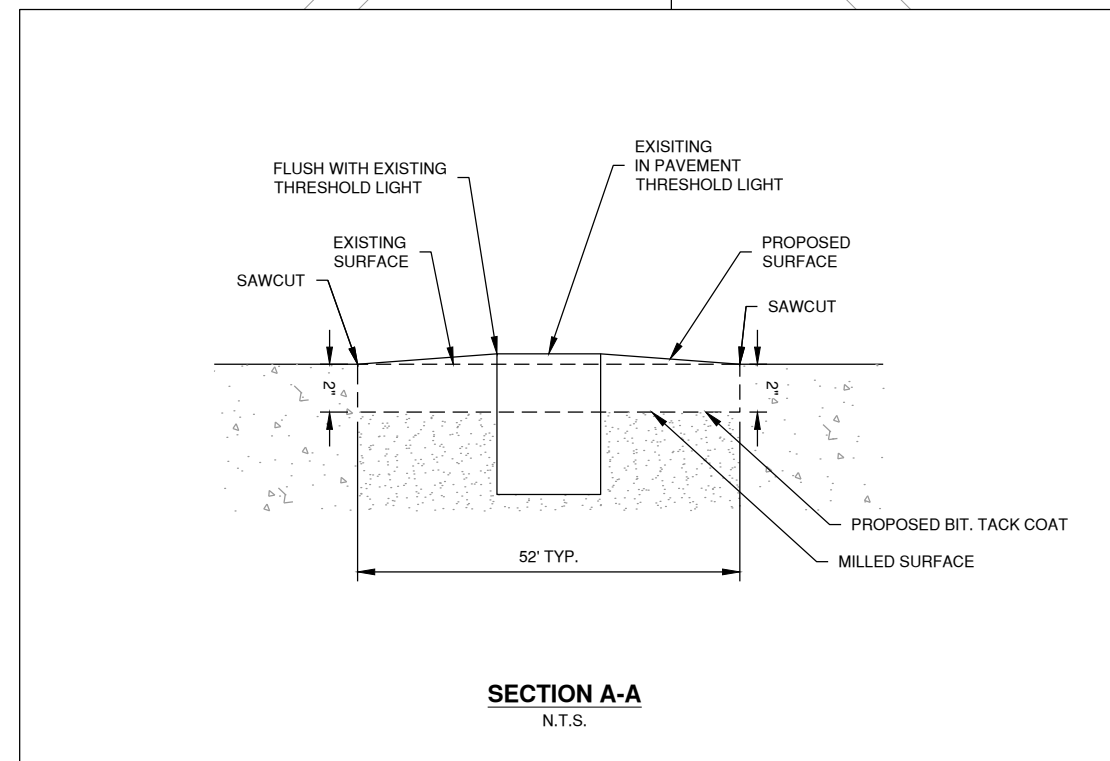
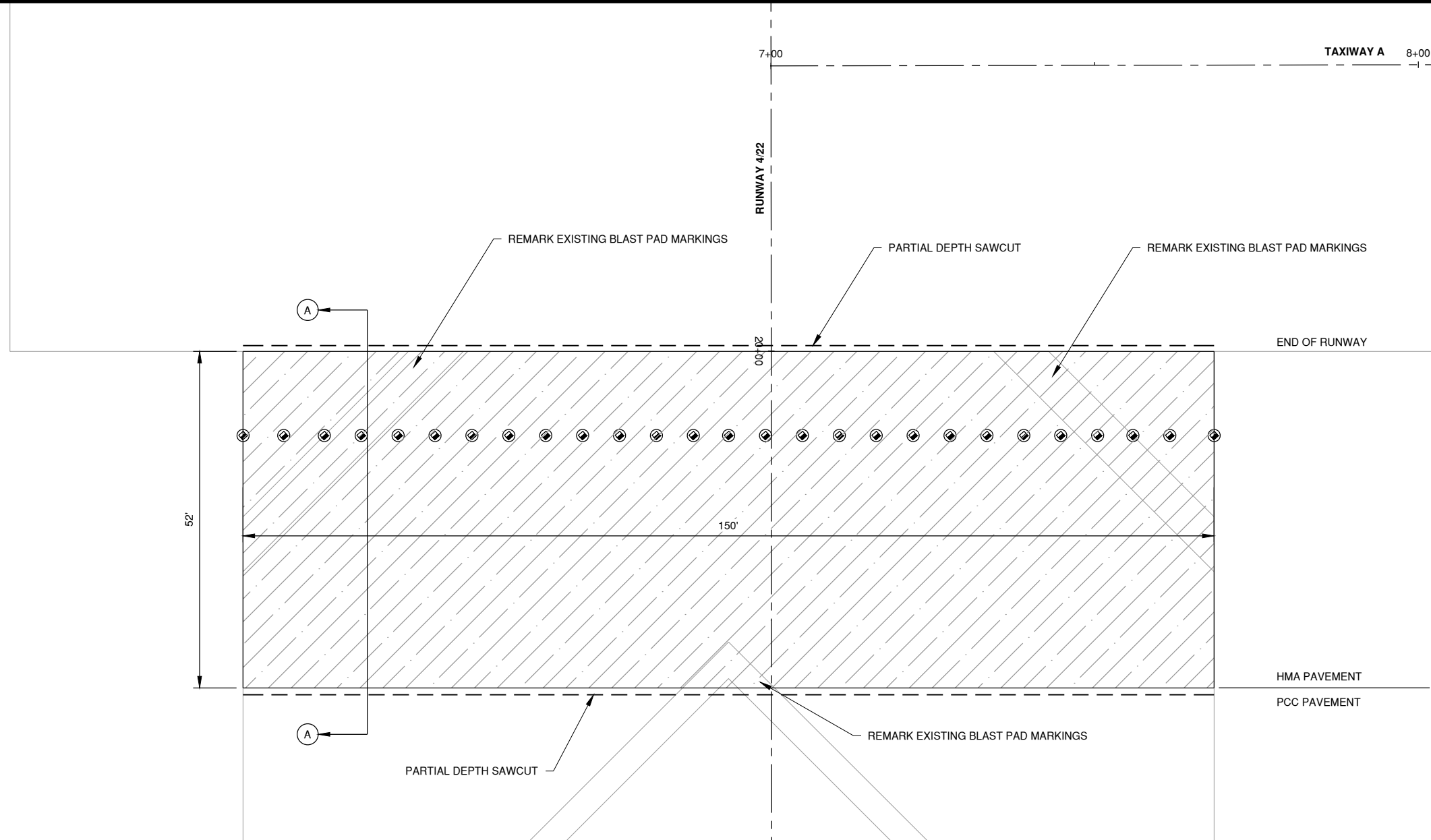
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 JUNE 29, 2020  
**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**  
 OWNER  
  
 SPRINGFIELD AIRPORT AUTHORITY  
 ABRAHAM LINCOLN CAPITAL AIRPORT  
 SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	CA021
IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-CP100.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

SHEET TITLE  
**HORIZONTAL CONTROL**  
 CP100  
 SHEET 25 OF 95



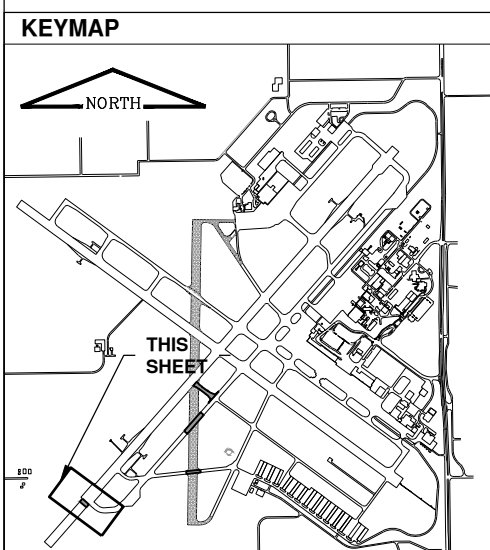
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 Date: Thursday, June 25, 2020 6:48:04 PM



### LEGEND

- PAVEMENT TO BE MILLED AND REPLACED
- EXISTING FLUSH MOUNTED THRESHOLD LIGHT
- PAVEMENT MARKING
- PARTIAL DEPTH SAWCUT

- ### NOTES
1. THE IMPROVEMENTS SHOWN ON THIS SHEET ARE INCLUDED WITH THE BASE BID.
  2. CONTRACTOR SHALL REMOVE AND STORE EXISTING THRESHOLD LIGHTS AND INSTALL A TEMPORARY COVER OVER THE EXISTING LIGHT BASES TO PROTECT THE EXISTING BASES DURING CONSTRUCTION. (AR106910)
  3. PAVEMENT MARKINGS REMOVED BY MILLING SHALL BE REPAINTED IN THEIR ORIGINAL POSITION.
  4. REPLACE THE THRESHOLD LIGHTS UPON COMPLETION OF OVERLAY AND PAVEMENT MARKING. (AR106930)
  5. TACK COAT TO BE APPLIED PRIOR TO REPAVING. LIGHT BASES SHALL BE COVERED PER NOTE 2 ABOVE.



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 CONSULTANTS

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

-----  
 JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER

SPRINGFIELD AIRPORT AUTHORITY  
 ABRAHAM LINCOLN CAPITAL AIRPORT  
 SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO: 3-17-0096-XX		CA021
IL PROJ. NO: SPI-4755		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH1-CP102.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: RLV		
COPYRIGHT:		

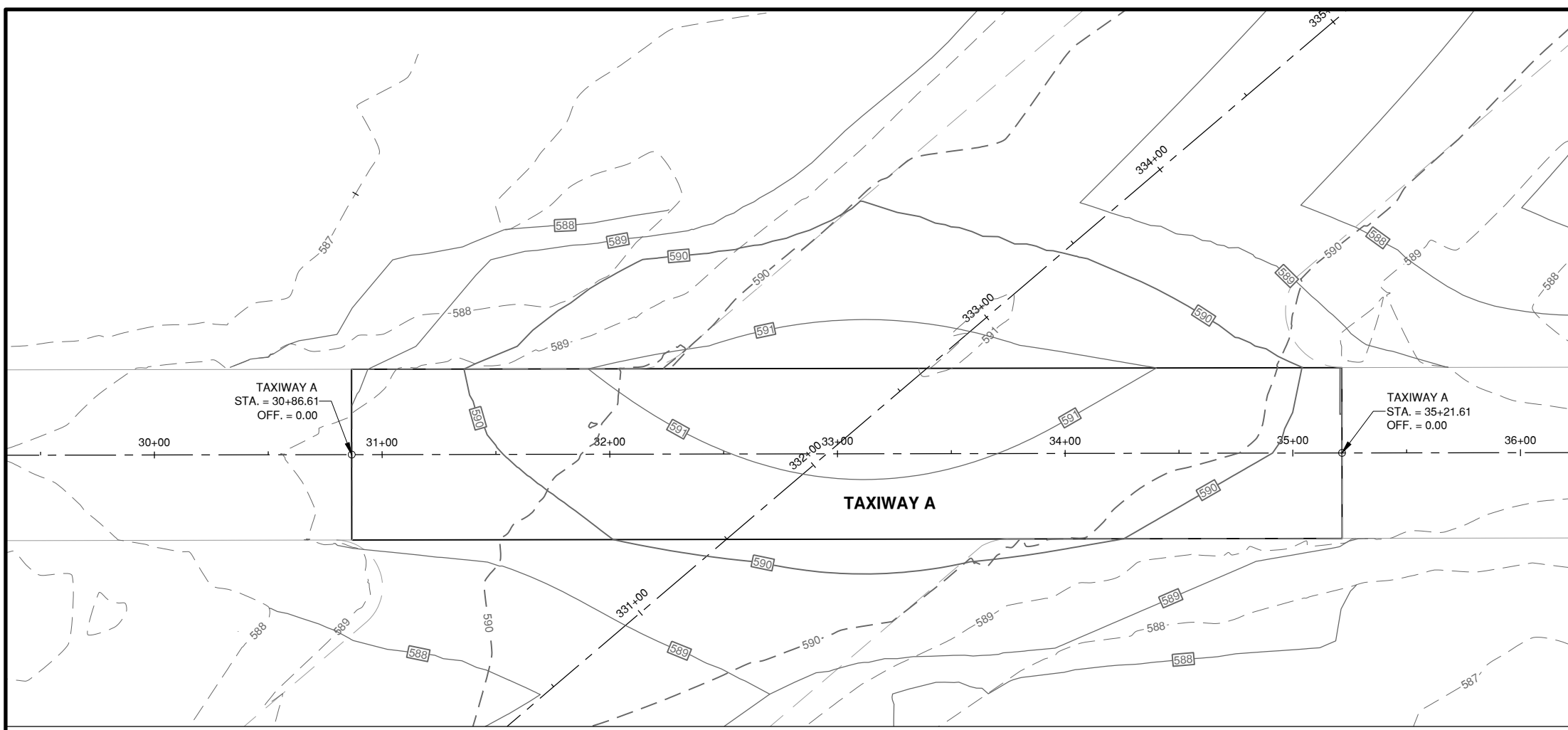
SHEET TITLE

**RUNWAY 4 THRESHOLD IMPROVEMENTS**

CP102

SHEET 27 OF 95

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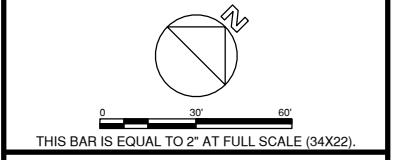


**LEGEND**

	NEW (PROFILE) ELEVATION
	EXIST. (PROFILE) ELEVATION
	NEW CONTOURS
	EXISTING CONTOURS
	PROPOSED PAVEMENT
	EXISTING PAVEMENT
	EXISTING PAVEMENT TO BE REMOVED



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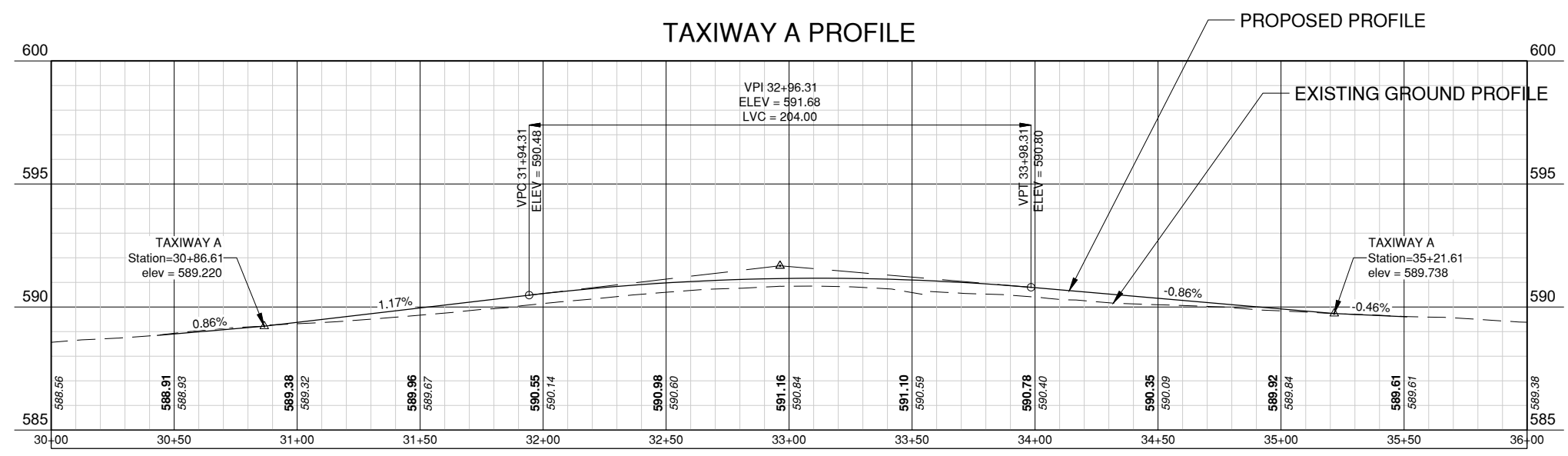
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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

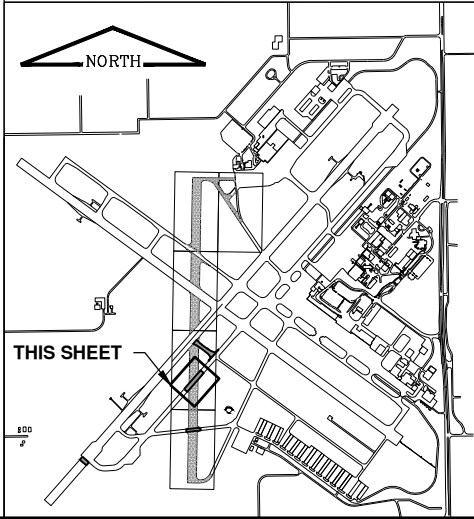
OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL



**KEYMAP**



MARK	DATE	DESCRIPTION
AIP PROJ. NO: 3-17-0096-XX		CA021
IL PROJ. NO: SPI-4755		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH1-CP201.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: CHK		
APPROVED BY: APR		
COPYRIGHT:		

SHEET TITLE  
**PLAN & PROFILE - TAXIWAY A**

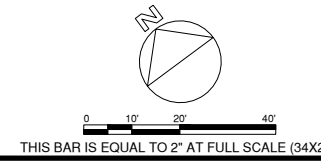




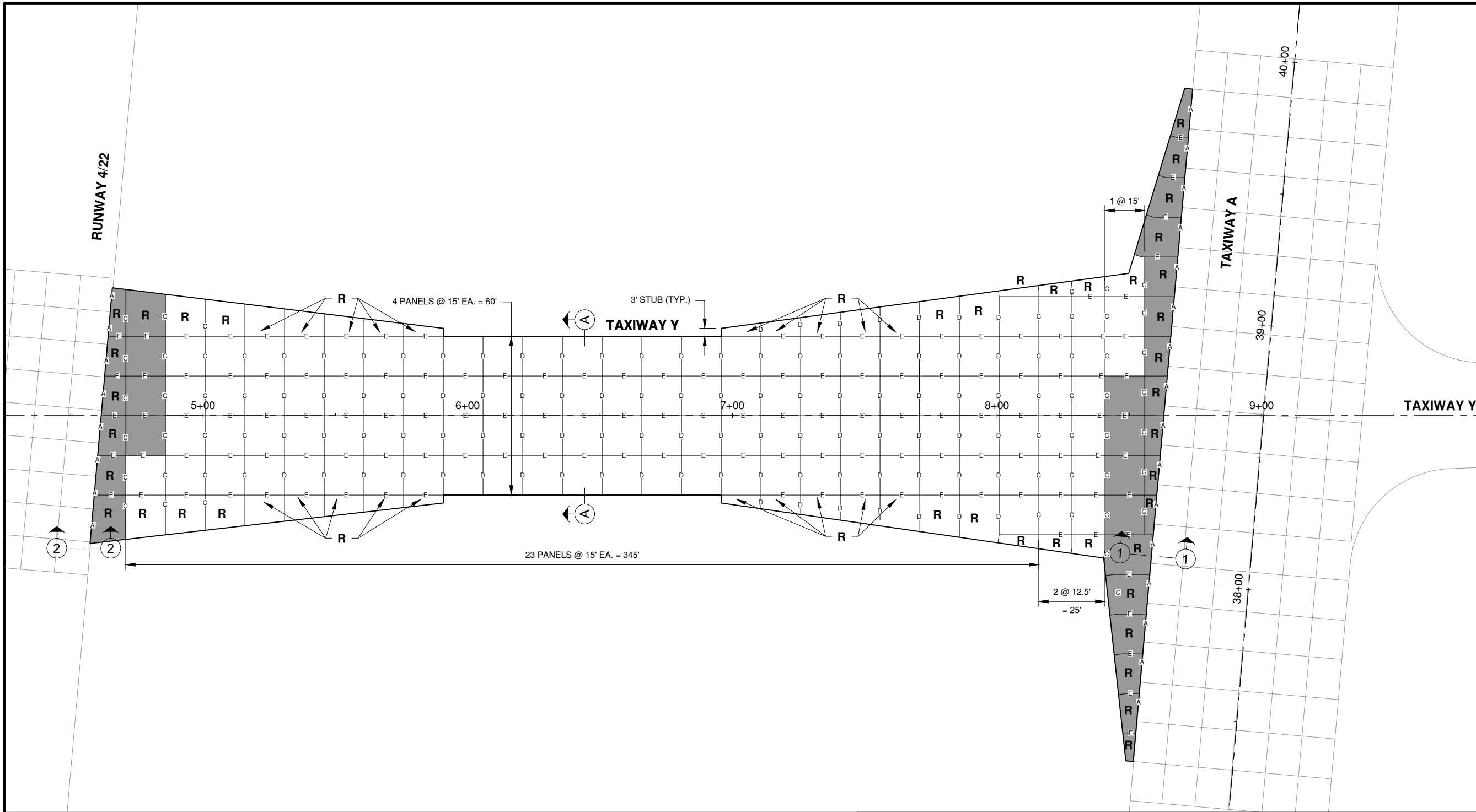








RUNWAY 4/22



-----  
JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



SPRINGFIELD AIRPORT  
AUTHORITY  
ABRAHAM LINCOLN CAPITAL  
AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	CA021
IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-CJ100.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

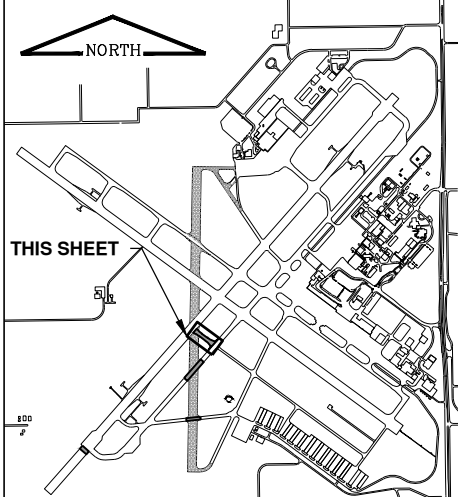
**NOTES**

ALL IMPROVEMENTS SHOWN ON THIS SHEET ARE INCLUDED IN THE BASE BID.

**LEGEND**

- A — TYPE A ISOLATION JOINT (3/4")
- B — TYPE B HINGED (TIED) CONTRACTION JOINT
- C — TYPE C DOWELED CONTRACTION JOINT
- D — TYPE D DUMMY CONTRACTION JOINT
- E — TYPE E DOWELED CONSTRUCTION JOINT
- █ THICKENED EDGE
- R REINFORCED PANEL
- ↑ A ↑ TYPICAL SECTION (SEE SHEET CP301)
- ↑ 1 ↑ PAVEMENT TRANSITION DETAIL (SEE SHEET CP302)

**KEYMAP**



**SHEET TITLE**  
**JOINTING PLAN 1**

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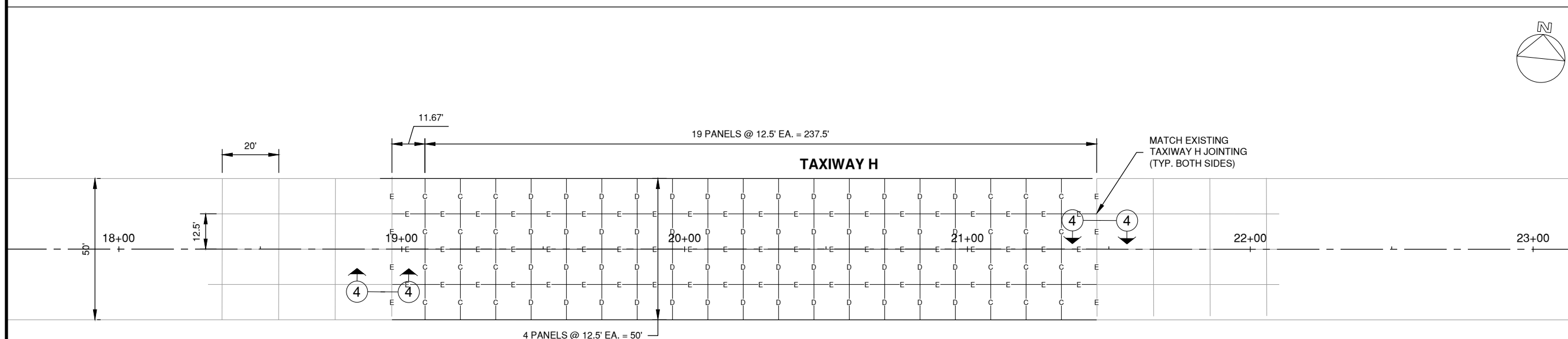
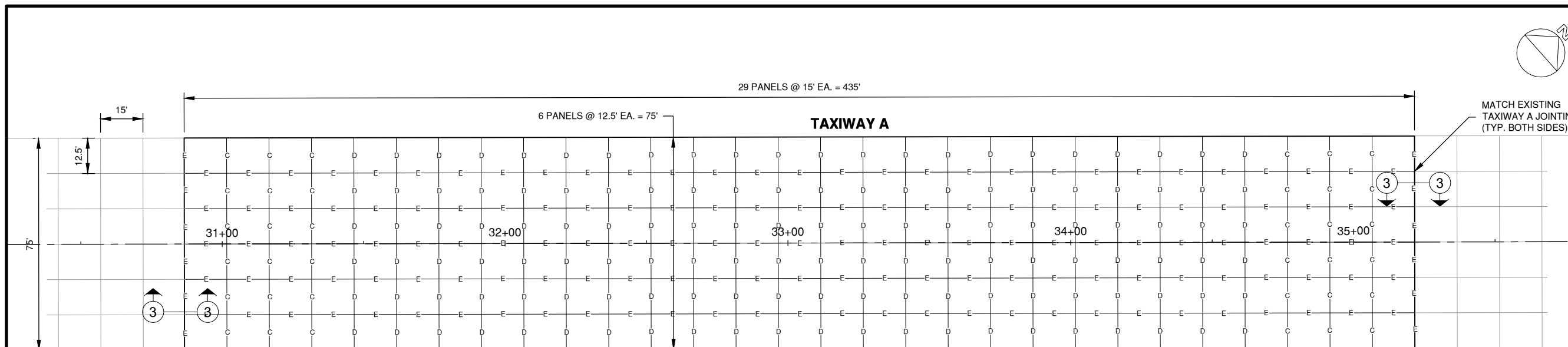
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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL



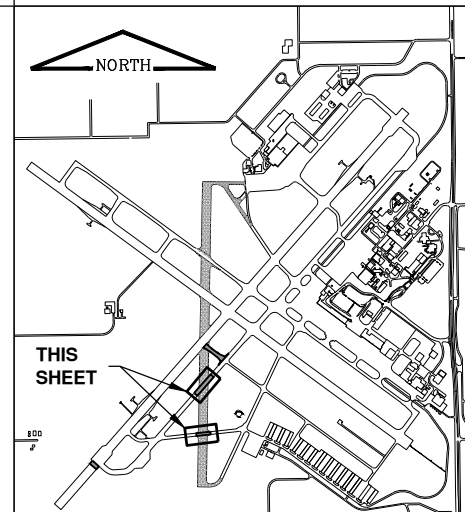
**NOTES**

ALL IMPROVEMENTS SHOWN ON THIS SHEET ARE INCLUDED IN THE BASE BID.

**LEGEND**

- A — TYPE A ISOLATION JOINT (3/4")
- B — TYPE B HINGED (TIED) CONTRACTION JOINT
- C — TYPE C DOWELED CONTRACTION JOINT
- D — TYPE D DUMMY CONTRACTION JOINT
- E — TYPE E DOWELED CONSTRUCTION JOINT
- THICKENED EDGE
- R** REINFORCED PANEL
- ↑ **A** — ↑ A) TYPICAL SECTION (SEE SHEET CP301)
- ↑ **1** — ↑ 1) PAVEMENT TRANSITION DETAIL (SEE SHEET CP302)

**KEYMAP**



MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	CA021
IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-CJ100.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

SHEET TITLE  
**JOINTING PLAN 2**



License No. 184-00613  
CONSULTANTS

0 30' 60'  
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

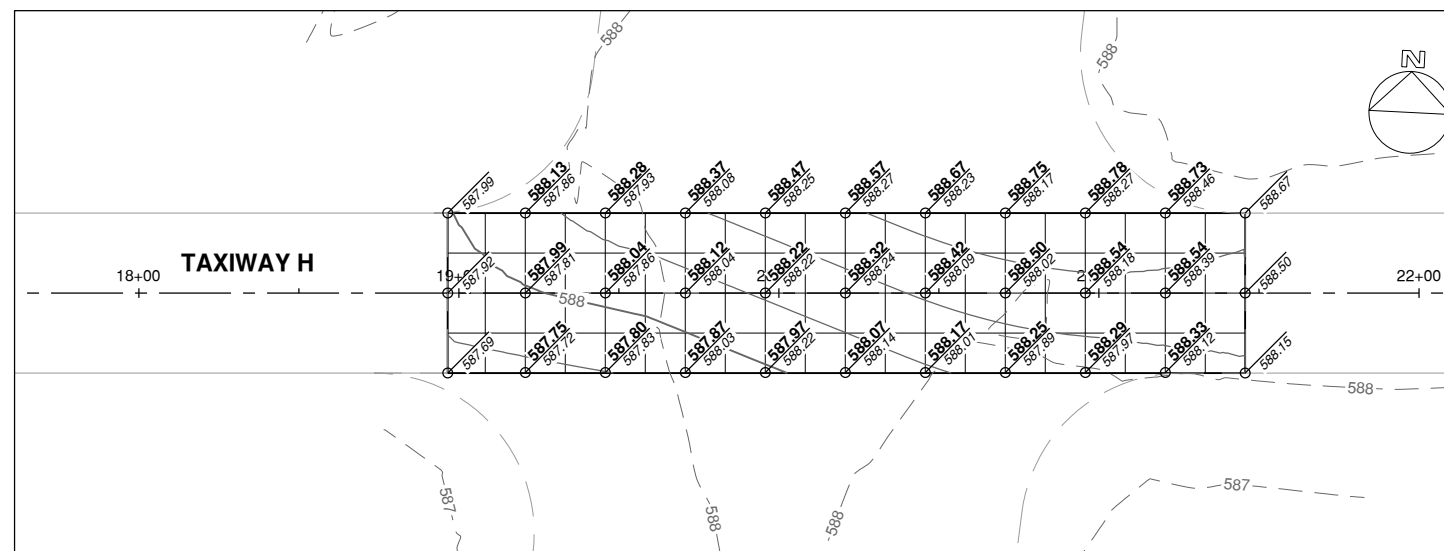
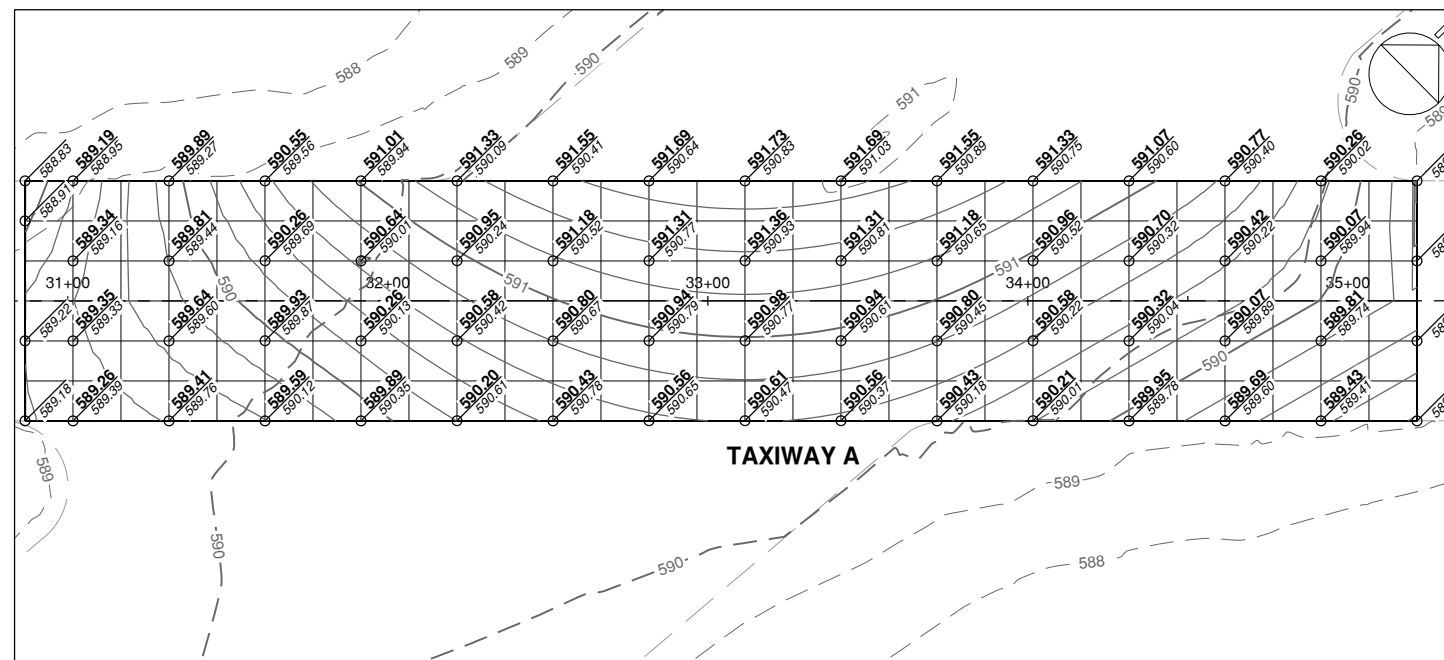
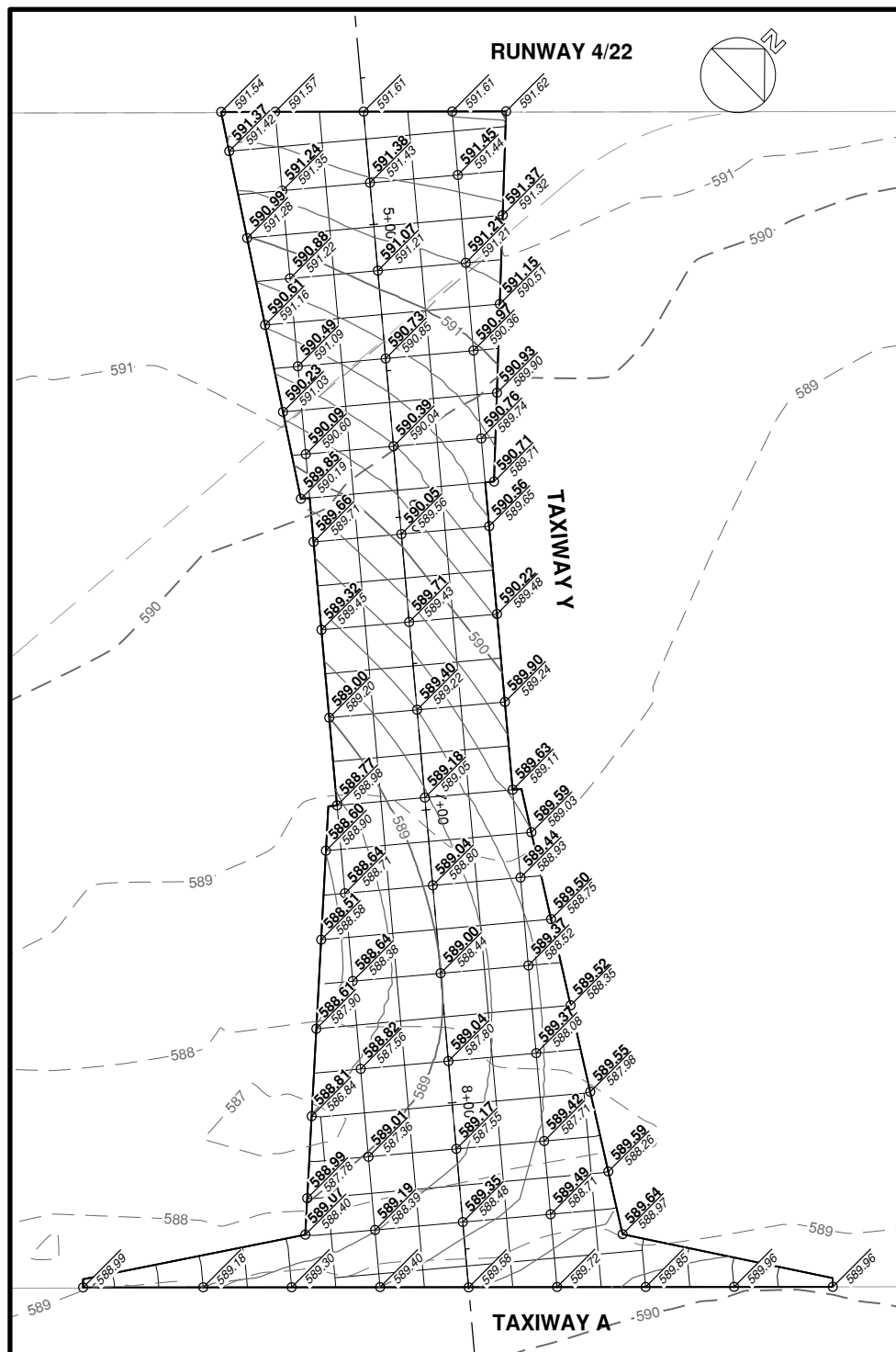
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JUNE 29, 2020

### RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL



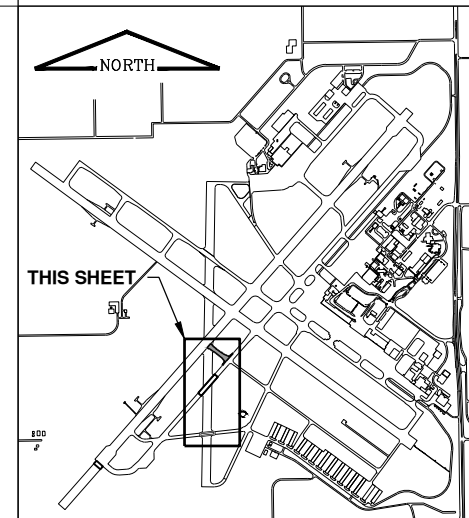
#### NOTES

1. THE IMPROVEMENTS SHOWN ON THIS SHEET ARE INCLUDED IN THE BASE BID.

#### LEGEND

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

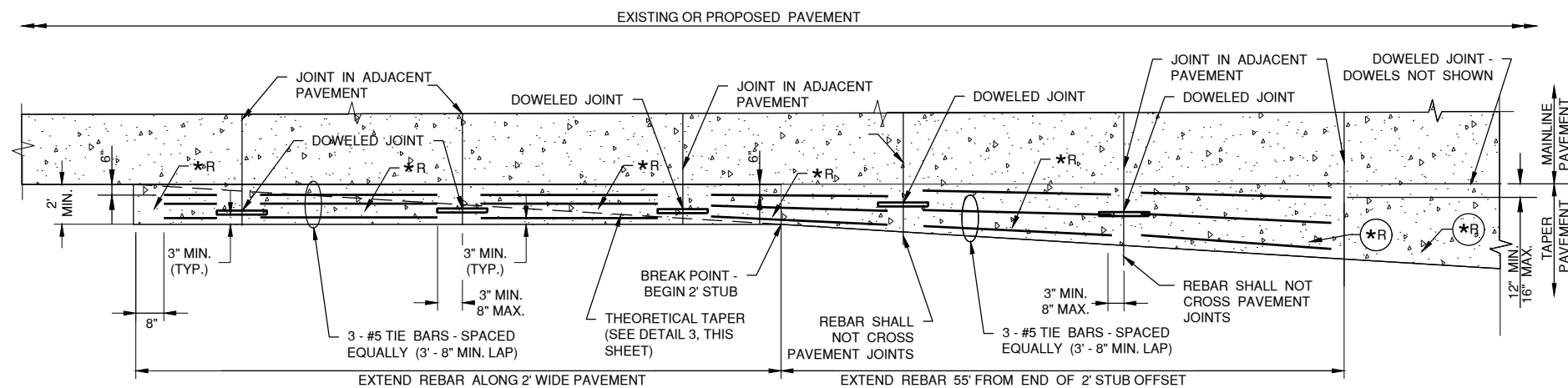
#### KEYMAP



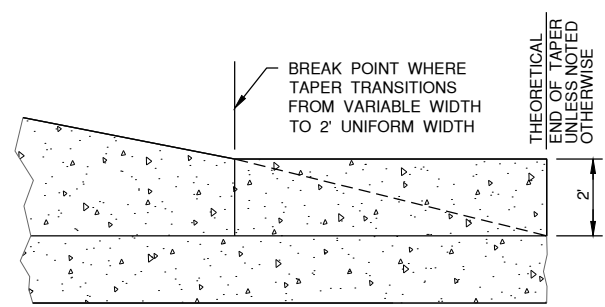
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DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

### SHEET TITLE STAKING PLAN

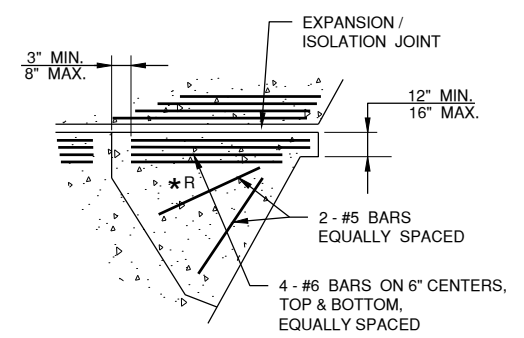
CS101  
SHEET 35 OF 95



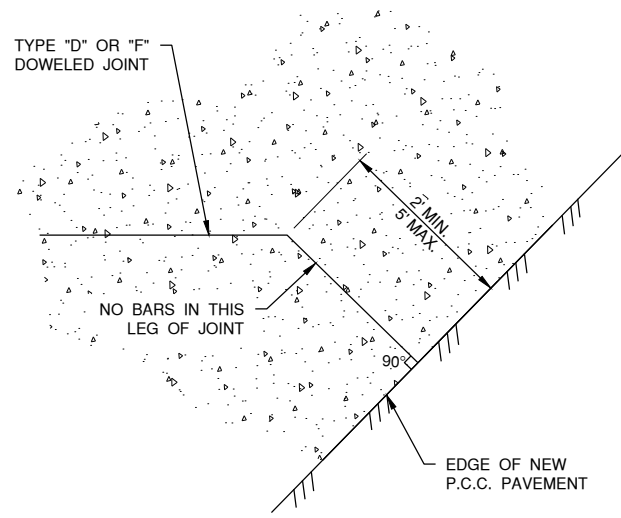
**1** **FILLET TAPER DETAIL**  
N.T.S. R\* ODD SHAPED PANEL REINFORCEMENT



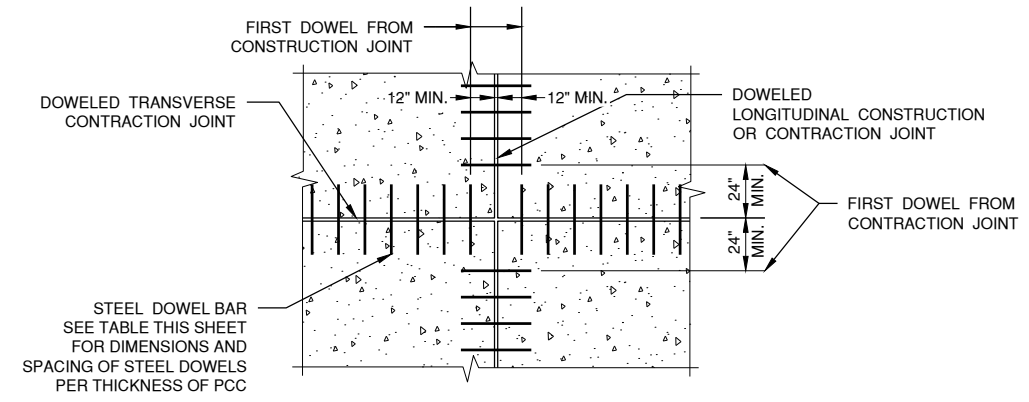
**2** **STUB DETAIL - EXTEND**  
N.T.S. TYPICAL AT END OF TAPER



**3** **STUB DETAIL**  
N.T.S. TYPICAL AT ODD-SHAPED PANEL AT EXPANSION / ISOLATION JOINT  
R\* ODD SHAPED PANEL REINFORCEMENT



**4** **PAVING DETAIL**  
N.T.S.



**5** **DOWEL SPACING REQUIREMENTS AT INTERSECTING JOINTS**  
N.T.S.

-----  
JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



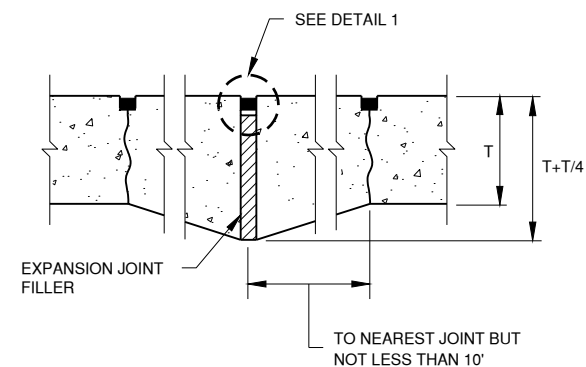
**SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL**

MARK	DATE	DESCRIPTION
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IL PROJ. NO: SPI-4755		
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CAD DWG FILE: 18003505-PH1-CJ500.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
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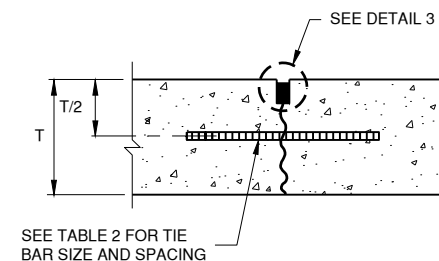
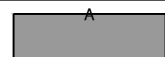
**SHEET TITLE**  
**PAVING DETAILS 1**

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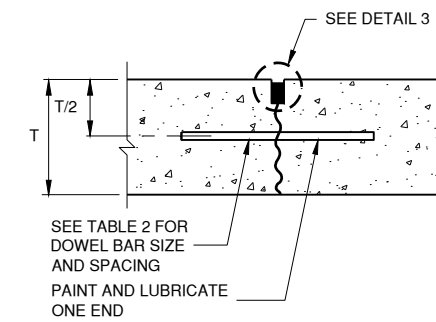
PAVEMENT THICKNESS T - INCHES	DEPTH OF CONTRACTION JOINT INITIAL SAW CUT I, INCHES $I=(T/3) \pm 1/4"$
5	1.67"
6	2.00"
7	2.33"
8	2.67"
9	3.00"
10	3.33"
11	3.67"
12	4.00"
13	4.33"
14	4.67"
15	5.00"
16	5.33"
17	5.67"
18	6.00"


**TYPE A THICKENED ISOLATION**

SYMBOL


**TYPE B HINGED (TIED) CONTRACTION**

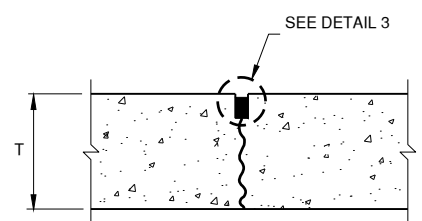
SYMBOL


**TYPE C DOWELED CONTRACTION**

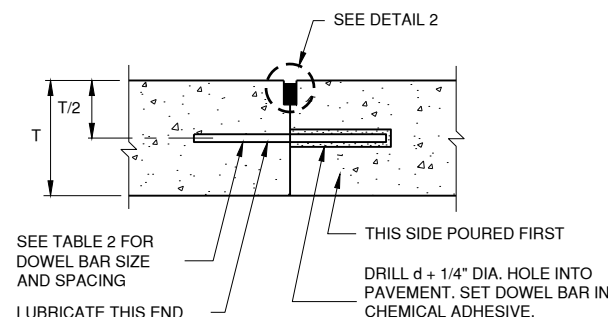
SYMBOL



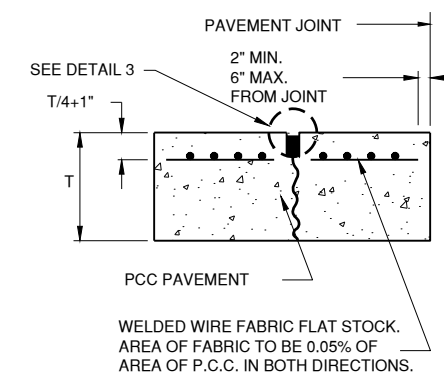
PAVEMENT THICKNESS T - INCHES	DOWEL BAR DETAILS			TIE BAR DETAILS		
	DIA.	LENGTH	SPACING	BAR SIZE	LENGTH	SPACING
6	3/4"	18"	12" O.C.	#5	30"	30" O.C.
7	3/4"	18"	12" O.C.	#5	30"	30" O.C.
8	1"	19"	12" O.C.	#5	30"	30" O.C.
9	1"	19"	12" O.C.	#5	30"	30" O.C.
10	1"	19"	12" O.C.	#5	30"	30" O.C.
11	1"	19"	12"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


**TYPE D DUMMY CONTRACTION**

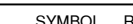
SYMBOL


**TYPE E DOWELED CONSTRUCTION**

SYMBOL


**ODD SHAPED PANEL REINFORCEMENT**

SYMBOL



NOTES:

1. ODD SHAPED PANELS INCLUDE ALL PANELS THAT EXCEED LENGTH TO WIDTH RATIO OF 1.25

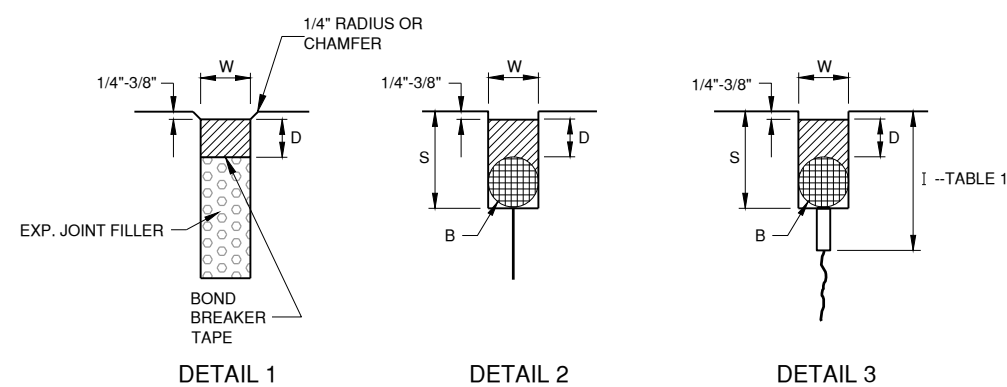
JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER


**SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL**
**JOINT NOTES**

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

**JOINT SEALING DETAILS**


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

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA021
IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-CJ500.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE

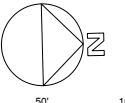
**PAVING DETAILS 2**

 CJ502  
SHEET 37 OF 95



License No. 184-000613

CONSULTANTS



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

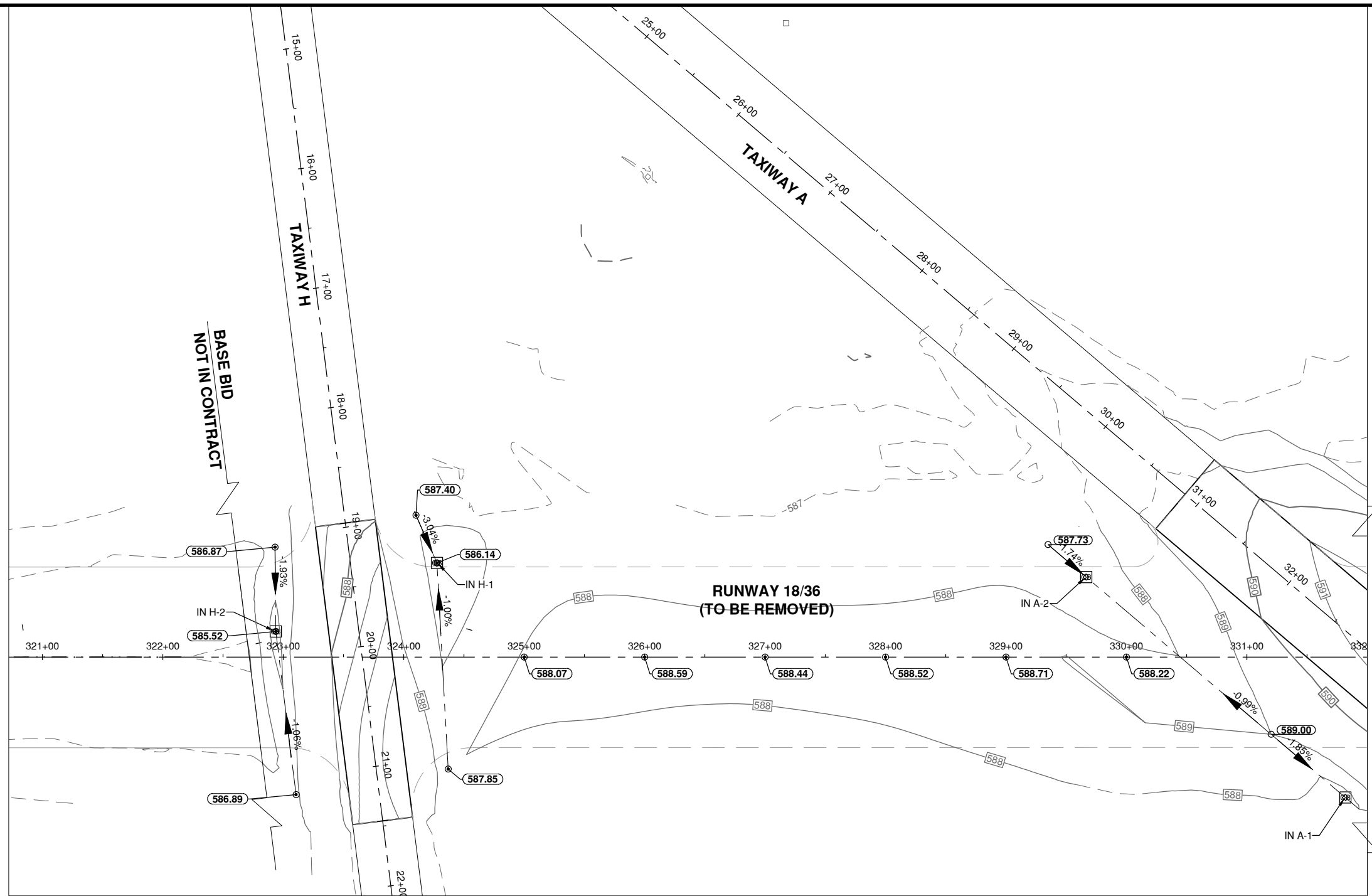
JUNE 29, 2020

### RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL



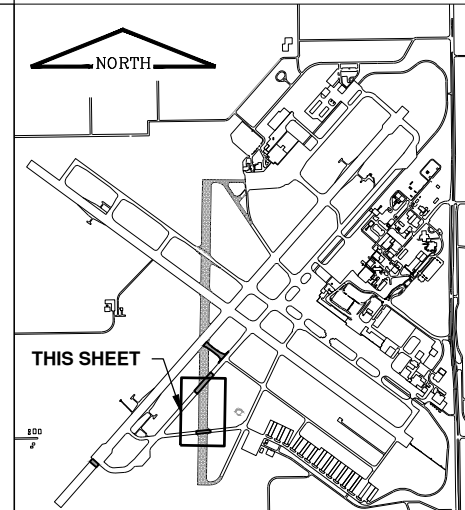
BASE BID  
NOT IN CONTRACT

MATCHLINE SHEET CG102

#### LEGEND

- NEW PAVEMENT EDGE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- PROPOSED DITCH FLOWLINE
- PROPOSED SPOT ELEVATION
- NEW INLET

#### KEYMAP



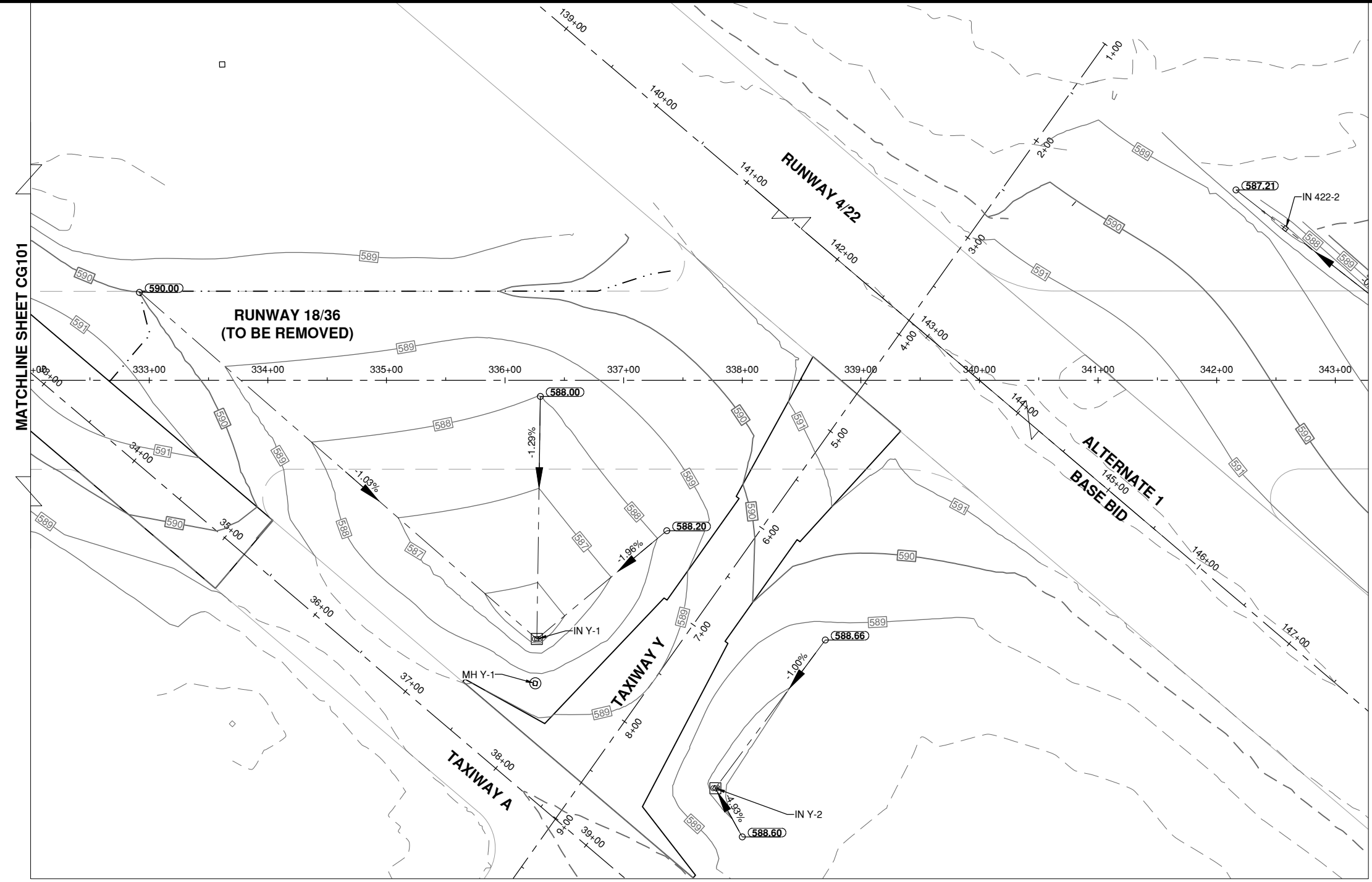
MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA021
IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-CG100.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

### GRADING & DRAINAGE PLAN 1

CG101  
SHEET 38 OF 95

Path: K:\Springfield\A\18003505\_Rwy\_18-36\DrawSheets\PHASE 1\18003505-PH1-CG100.dwg  
Date: Thursday, June 25, 2020 6:52:11 PM

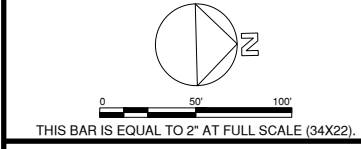


MATCHLINE SHEET CG101



License No. 184-000613

CONSULTANTS



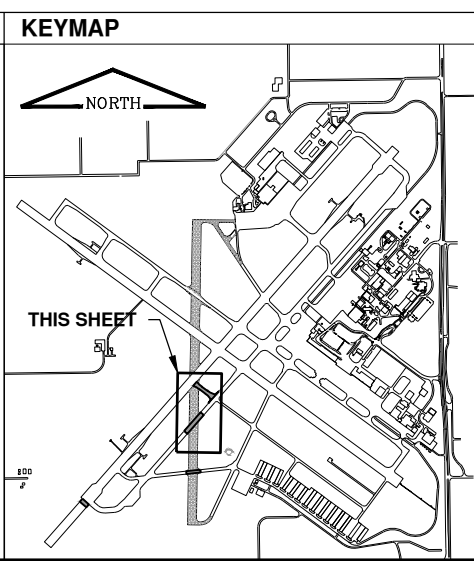
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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**



**LEGEND**

---	NEW PAVEMENT EDGE
----- 586	PROPOSED CONTOUR
- - - - - 586	EXISTING CONTOUR
----->	PROPOSED DITCH FLOWLINE
585.48	PROPOSED SPOT ELEVATION
CB	NEW INLET



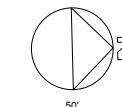
MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	CA021
IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-CG100.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
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**SHEET TITLE**  
**GRADING & DRAINAGE PLAN 2**



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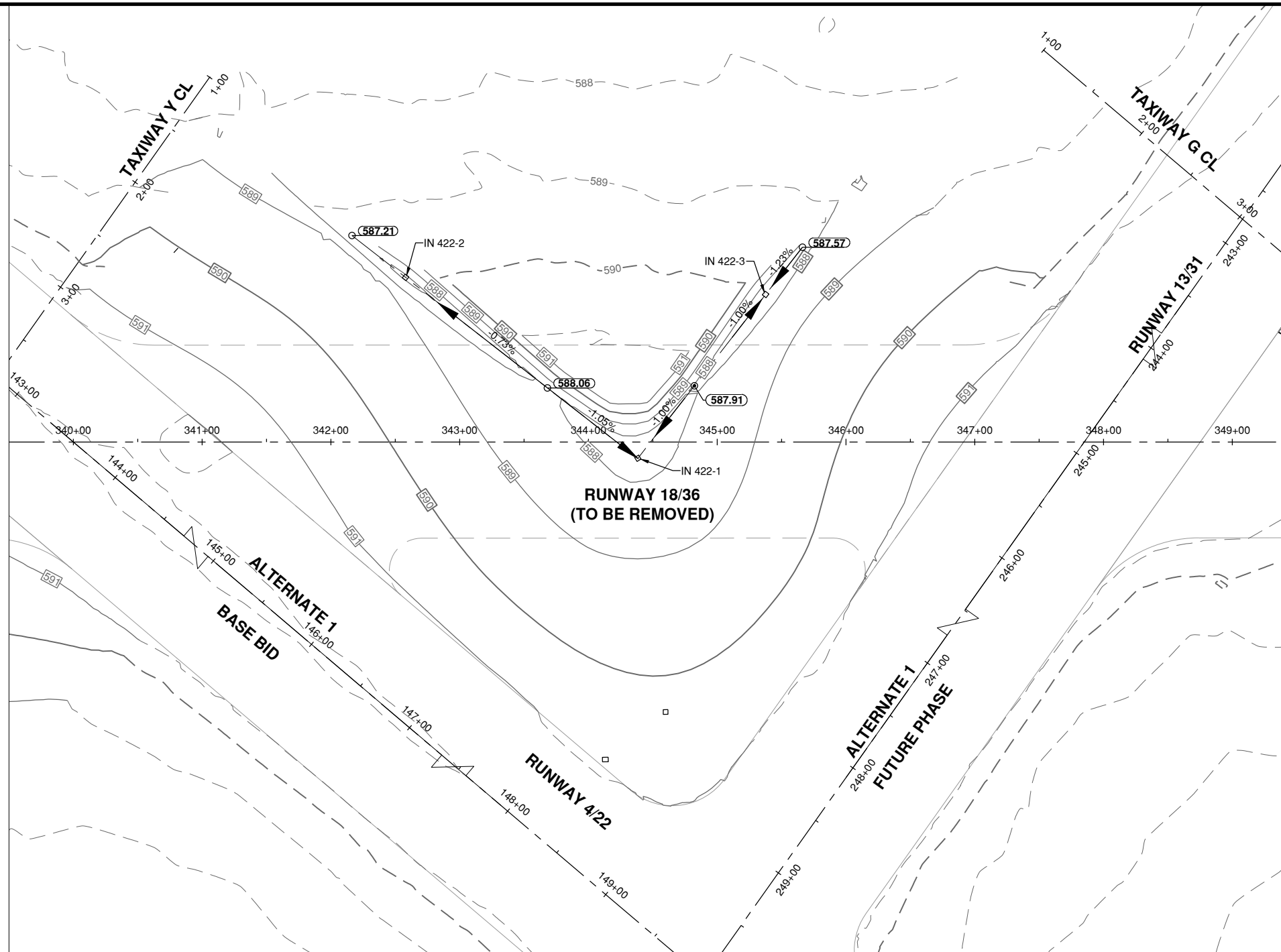
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JUNE 29, 2020

### RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

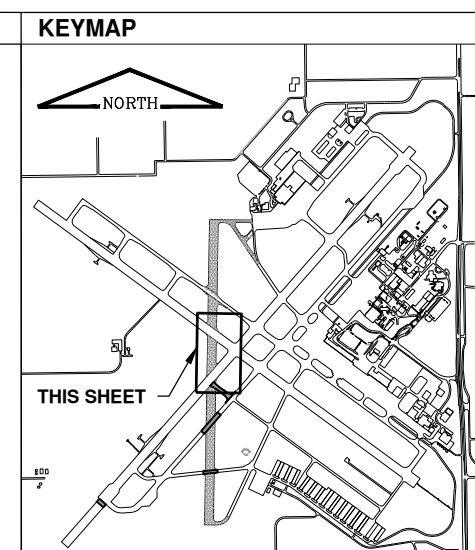
OWNER



SPRINGFIELD AIRPORT  
AUTHORITY  
ABRAHAM LINCOLN CAPITAL  
AIRPORT  
SPRINGFIELD, IL



LEGEND	
	NEW PAVEMENT EDGE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	PROPOSED DITCH FLOWLINE
	PROPOSED SPOT ELEVATION
	NEW CATCH BASIN



MARK	DATE	DESCRIPTION	
AIP PROJ. NO:	3-17-0096-XX		CA021
IL PROJ. NO:	SPI-4755		
CMT PROJECT NO:	180035-05		
CAD DWG FILE:	18003505-PH1-CG100.DWG		
DESIGNED BY:	HWI		
DRAWN BY:	DPA		
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### GRADING & DRAINAGE PLAN 3

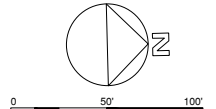
CG103  
SHEET 40 OF 95



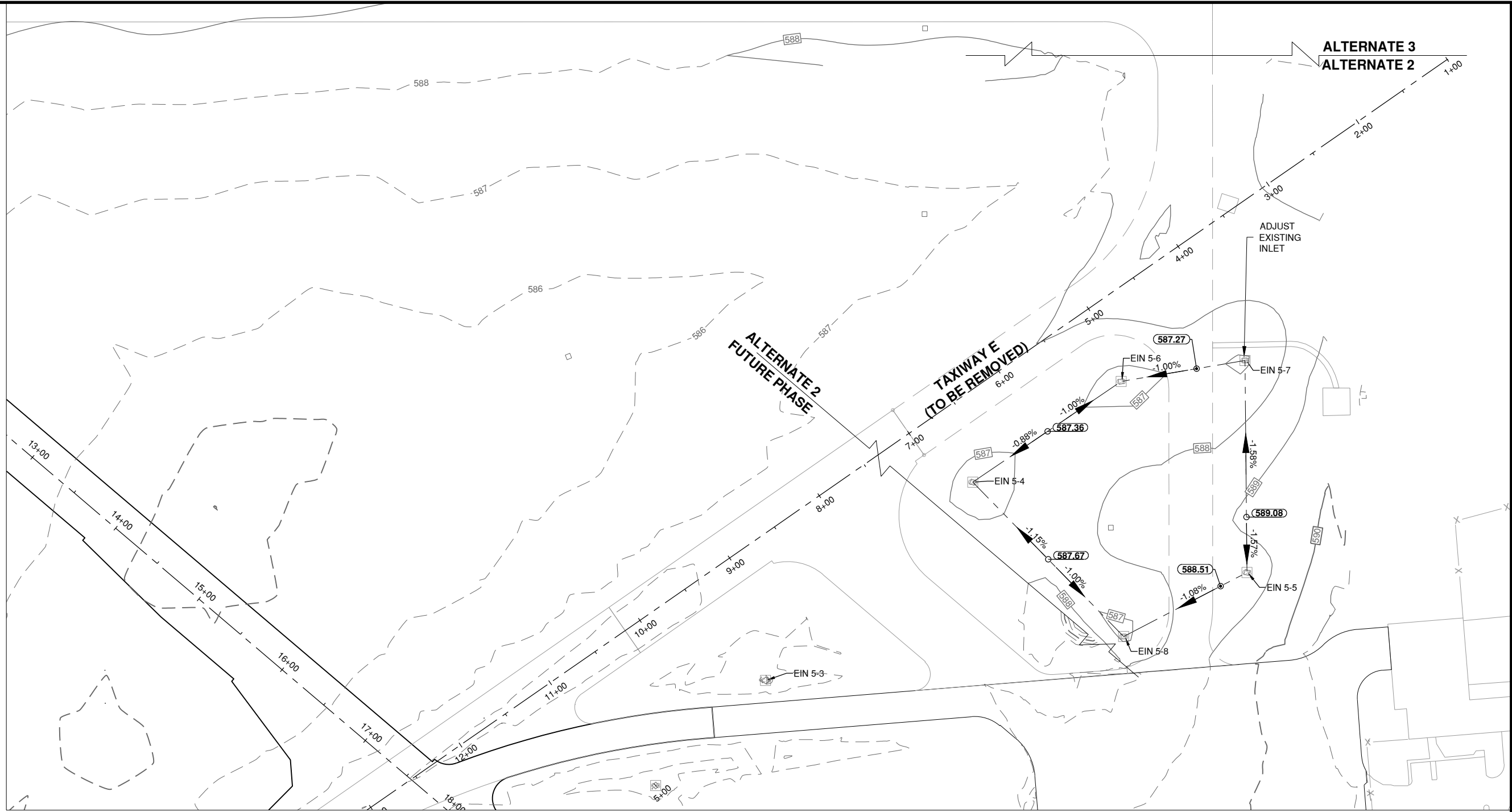


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RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

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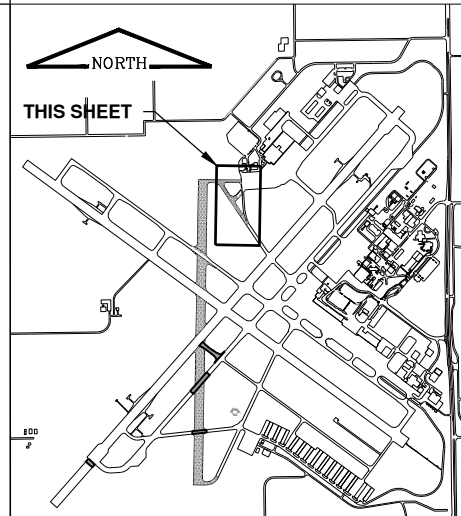


SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

LEGEND

- NEW PAVEMENT EDGE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- PROPOSED DITCH FLOWLINE
- PROPOSED SPOT ELEVATION
- NEW INLET

KEYMAP



MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA021
IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-CG100.DWG	
DESIGNED BY: HWI	
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GRADING & DRAINAGE PLAN 4

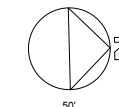
CG104  
SHEET 41 OF 95

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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

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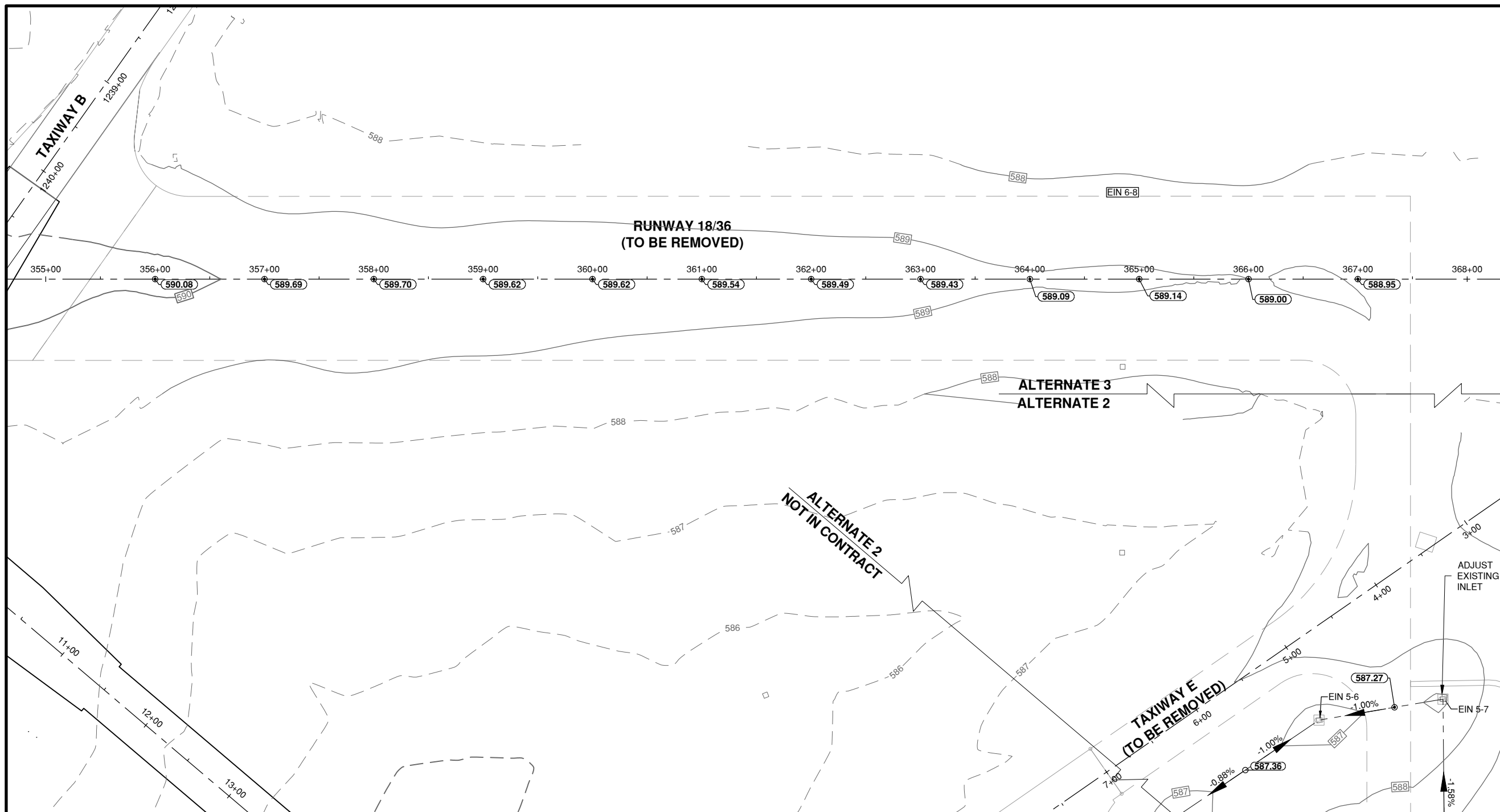


SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
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IL PROJ. NO: SPI-4755		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH1-CG100.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
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**GRADING & DRAINAGE PLAN 5**

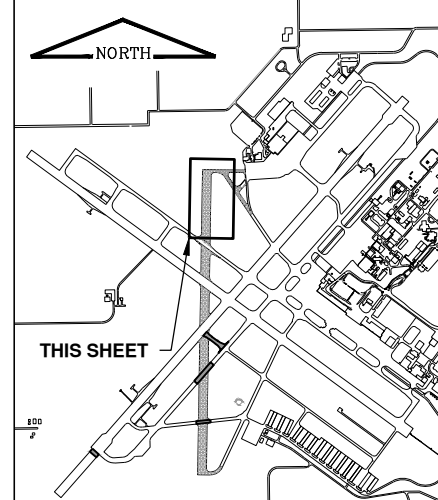
CG105  
SHEET 42 OF 95



**LEGEND**

- NEW PAVEMENT EDGE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- PROPOSED DITCH FLOWLINE
- PROPOSED SPOT ELEVATION
- NEW INLET

**KEYMAP**



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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

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

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA021**

IL PROJ. NO: SPI-4755

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH1-CG301.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

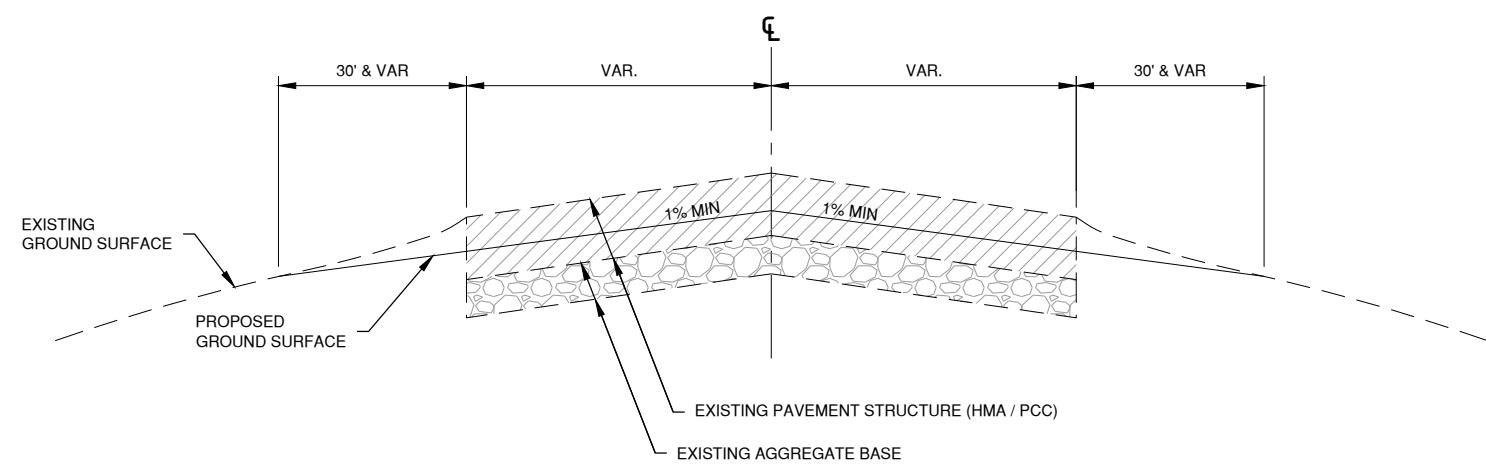
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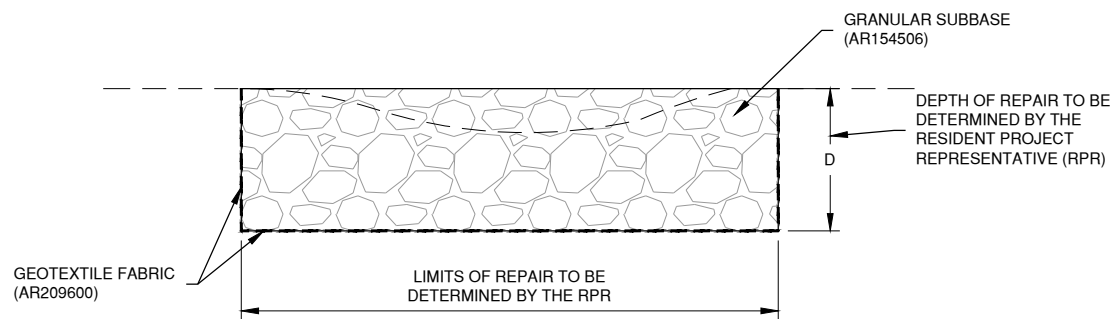
SHEET TITLE

**GRADING DETAILS**



**TYPICAL PAVEMENT REMOVAL SECTION**

N.T.S.



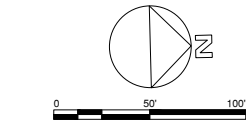
**SUBGRADE REPAIR DETAIL**

N.T.S.

**SUBGRADE REPAIR NOTES**

1. THE REMOVAL AREA AND DEPTH SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION BY THE RPR.
2. THE FOLLOWING SHALL BE THE STEPS TAKEN TO REPAIR THE SUBGRADE:
  - A. REMOVE SOIL SUBGRADE TO THE DEPTH SPECIFIED BY THE RPR.
  - B. COMPACT THE SUBGRADE TO THE SATISFACTION OF THE RPR.
  - C. PLACE SEPARATION GEOTEXTILE FABRIC ON TOP OF THE COMPACTED SUBGRADE AND ALONG THE SIDES OF THE EXCAVATION.
  - D. PLACE AND CONSOLIDATE GRANULAR SUBBASE TO THE SATISFACTION OF THE RPR.
3. THE FOLLOWING SHALL BE CONSIDERED INCIDENTAL TO THE SUBGRADE REPAIR PAY ITEM:
  - A. SUBGRADE REMOVAL
  - B. SUBGRADE COMPACTION
  - C. SUBBASE GRANULAR
4. GEOTEXTILE FABRIC SHALL BE PAID UNDER ITEM AR209600.

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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

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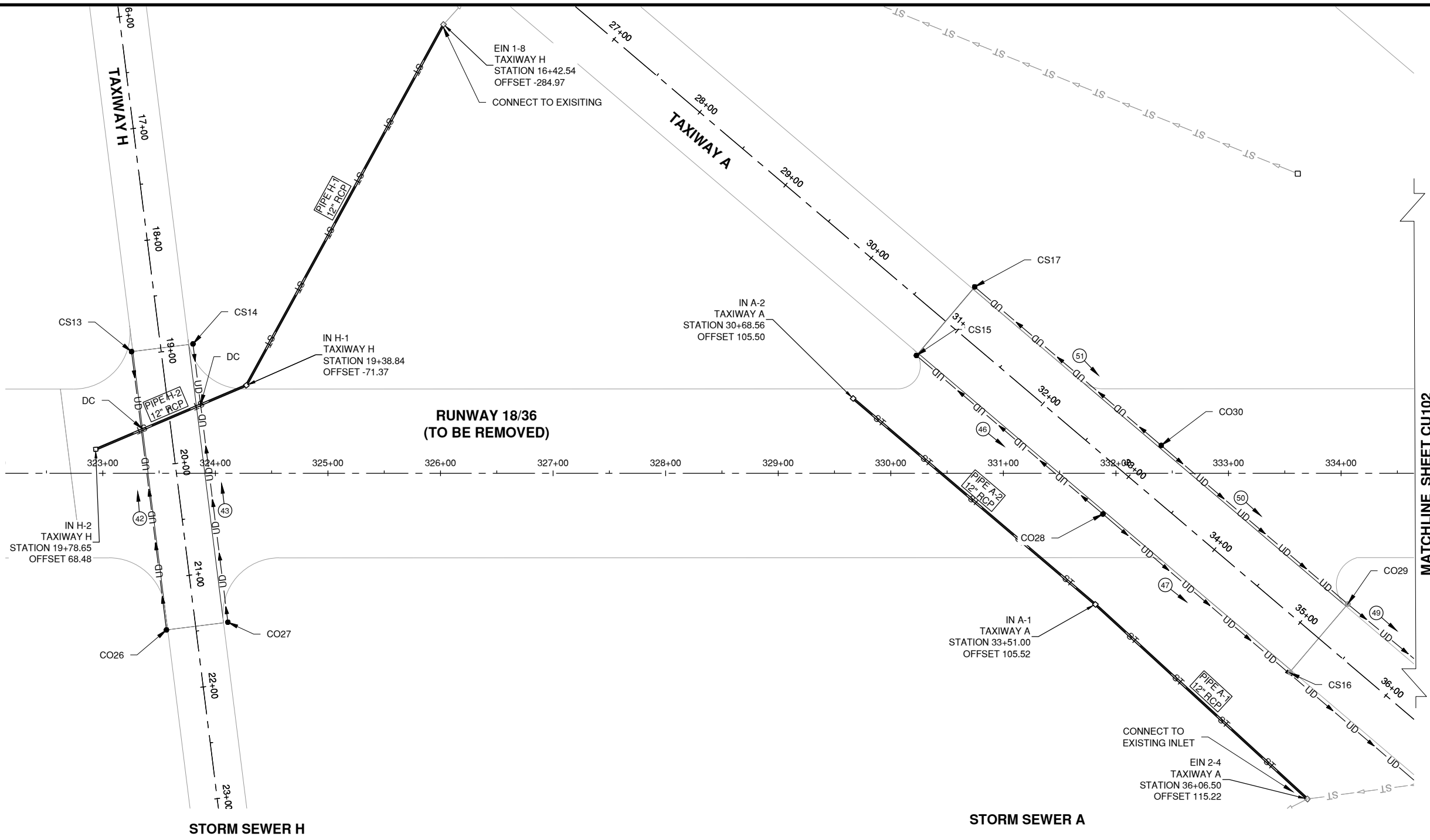
SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	<b>CA021</b>
IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-CU100.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
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**STORM SEWER AND UNDERDRAIN PLAN 1**

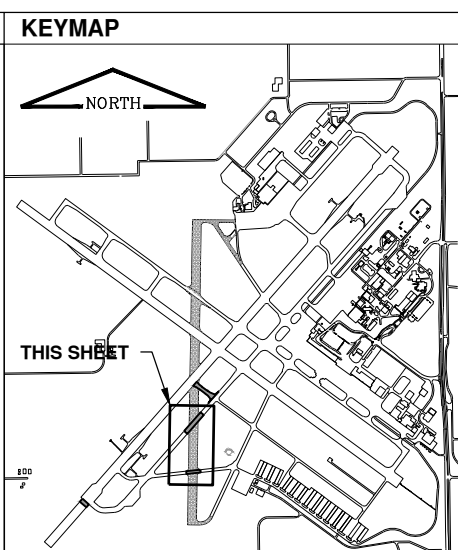
CU101

SHEET **44** OF **95**



**LEGEND**

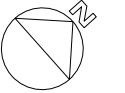
- EXISTING PAVEMENT EDGE
- ST — EXISTING STORM SEWER
- PROPOSED STORM SEWER
- UD — PROPOSED UNDERDRAIN
- PROPOSED CLEANOUT/COLLECTION STRUCTURE
- ① — PROP. UNDERDRAIN RUN NUMBER
- EIN EXISTING INLET
- IN NEW INLET
- ⊙ EXISTING MANHOLE



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Date: Thursday, June 25, 2020 6:53:55 PM



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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



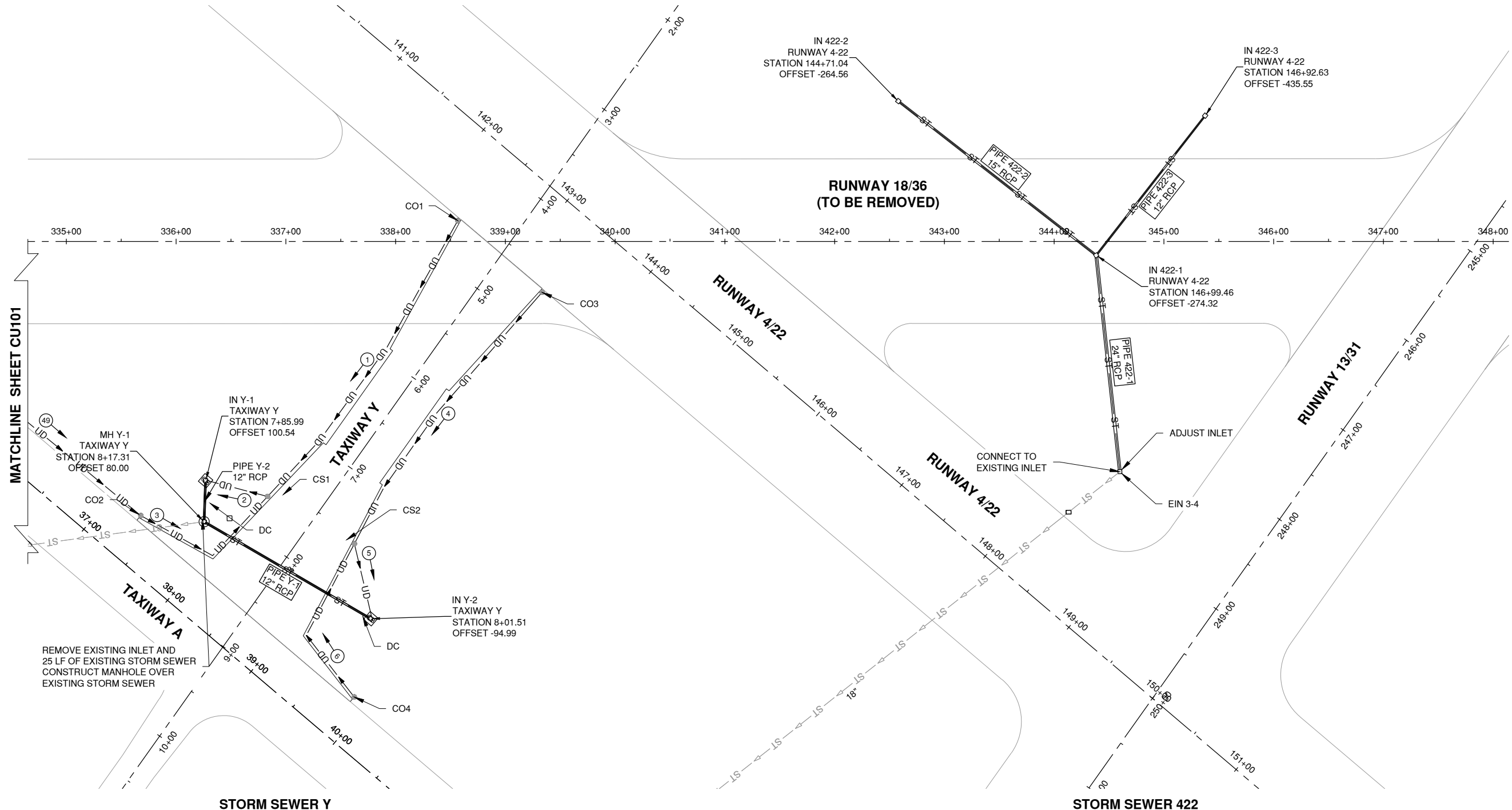
SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
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		IL PROJ. NO: SPI-4755
		CMT PROJECT NO: 180035-05
		CAD DWG FILE: 18003505-PH1-CU100.DWG
		DESIGNED BY: HWI
		DRAWN BY: DPA
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**STORM SEWER AND UNDERDRAIN PLAN 2**

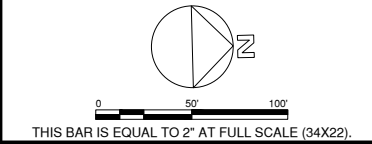
CU102

MATCHLINE SHEET CU101



LEGEND	KEYMAP
<p>— EXISTING PAVEMENT EDGE</p> <p>--- ST --- EXISTING STORM SEWER</p> <p>=== PROPOSED STORM SEWER</p> <p>→ UD ← PROPOSED UNDERDRAIN</p> <p>• PROPOSED CLEANOUT/COLLECTION STRUCTURE</p> <p>① → PROP. UNDERDRAIN RUN NUMBER</p> <p>□ EIN EXISTING INLET</p> <p>□ IN NEW INLET</p> <p>⊙ EXISTING MANHOLE</p>	<p>NORTH</p> <p>THIS SHEET</p>

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 JUNE 29, 2020

 RUNWAY 18/36 REMOVAL AND  
 ASSOCIATED IMPROVEMENTS,  
 PHASE 1

OWNER


 SPRINGFIELD AIRPORT  
 AUTHORITY  
 ABRAHAM LINCOLN CAPITAL  
 AIRPORT  
 SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	<b>CA021</b>
IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-CU100.DWG	
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 SHEET TITLE  
**STORM SEWER  
 SCHEDULES**

 SHEET **46** OF **95**  
 CU103

STRUCTURE TABLE STORM SEWER A		
STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL
EIN 2-4 EXISTING INLET	RIM = 586.44 SUMP = 581.36 A-1 INV IN = 581.60	TAXIWAY A STA 36+06.50 OFFSET 115.22 R
IN A-1 36" INLET	RIM = 587.50 SUMP = 581.37 A-2 INV IN = 582.60 A-1 INV OUT = 582.37	TAXIWAY A STA 33+51.00 OFFSET 105.52 R
IN A-2 36" INLET	RIM = 587.00 SUMP = 582.45 A-2 INV OUT = 583.45	TAXIWAY A STA 30+68.56 OFFSET 105.50 R

PIPE SCHEDULE STORM SEWER A							
PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE
A-1	IN A-1	EIN 2-4	582.37	581.60	244	0.30%	CONCRETE PIPE - 12"
A-2	IN A-2	IN A-1	583.45	582.60	270	0.30%	CONCRETE PIPE - 12"

STRUCTURE TABLE STORM SEWER H		
STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL
EIN 1-8 EXISTING INLET	RIM = 583.51 SUMP = 579.16 H-1 INV IN = 579.50	TAXIWAY H STA 16+42.54 OFFSET -284.97 L
IN H-1 36" INLET	RIM = 586.14 SUMP = 579.60 H-2 INV IN = 580.80 H-1 INV OUT = 580.60	TAXIWAY H STA 19+38.84 OFFSET -71.37 L
IN H-2 36" INLET	RIM = 585.52 SUMP = 580.24 H-2 INV OUT = 581.24	TAXIWAY H STA 19+78.65 OFFSET 68.48 R

PIPE SCHEDULE STORM SEWER H							
PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE
H-1	IN H-1	EIN 1-8	580.60	579.50	353	0.30%	CONCRETE PIPE - 12"
H-2	IN H-2	IN H-1	581.24	580.80	133	0.30%	CONCRETE PIPE - 12"

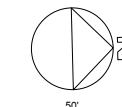
STRUCTURE TABLE STORM SEWER Y		
STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL
IN Y-1 36" INLET	RIM = 585.40 SUMP = 581.67 Y-2 INV OUT = 582.67	TAXIWAY Y STA 7+85.99 OFFSET 100.54 R
IN Y-2 36" INLET	RIM = 586.94 SUMP = 583.06 Y-1 INV OUT = 584.06	TAXIWAY Y STA 8+01.51 OFFSET -94.99 L
MH Y-1 48" MANHOLE	RIM = 588.20 SUMP = 581.30 Y-2 INV IN = 582.30 Y-1 INV IN = 582.30	TAXIWAY Y STA 8+17.31 OFFSET 80.00 R

PIPE SCHEDULE STORM SEWER Y							
PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE
Y-1	IN Y-2	MH Y-1	584.06	582.30	164	1.00%	CONCRETE PIPE - 12"
Y-2	IN Y-1	MH Y-1	582.67	582.30	25	1.00%	CONCRETE PIPE - 12"

STRUCTURE TABLE STORM SEWER 422		
STRUCTURE NAME AND TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL
EIN 3-4 EXISTING INLET	RIM = 588.40 SUMP = 581.90 422-1 INV IN = 582.90	RUNWAY 4-22 STA 148+43.58 OFFSET -138.13 L
IN 422-1 36" INLET	RIM = 587.19 SUMP = 583.49 422-2 INV IN = 583.70 422-3 INV IN = 583.70 422-1 INV OUT = 583.49	RUNWAY 4-22 STA 146+99.46 OFFSET -274.32 L
IN 422-2 36" INLET	RIM = 586.72 SUMP = 584.39 422-2 INV OUT = 584.39	RUNWAY 4-22 STA 144+71.04 OFFSET -264.56 L
IN 422-3 36" INLET	RIM = 587.04 SUMP = 583.18 422-3 INV OUT = 584.18	RUNWAY 4-22 STA 146+92.63 OFFSET -435.55 L

PIPE SCHEDULE STORM SEWER 422							
PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE
422-3	IN 422-3	IN 422-1	584.18	583.70	149	0.30%	CONCRETE PIPE - 12"
422-1	IN 422-1	EIN 3-4	583.49	582.90	186	0.30%	CONCRETE PIPE - 24"
422-2	IN 422-2	IN 422-1	584.39	583.70	217	0.30%	CONCRETE PIPE - 15"

 EIN = EXISTING INLET  
 IN = INLET - NEW  
 MH = MANHOLE - NEW



0 50' 100'  
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JUNE 29, 2020

RUNWAY 18/36 REMOVAL AND  
ASSOCIATED IMPROVEMENTS,  
PHASE 1

OWNER



SPRINGFIELD AIRPORT  
AUTHORITY  
ABRAHAM LINCOLN CAPITAL  
AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	<b>CA021</b>
IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-CU100.DWG	
DESIGNED BY: HWI	
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SHEET TITLE  
**UNDERDRAIN  
SCHEDULES**

CU104  
SHEET **47** OF **95**

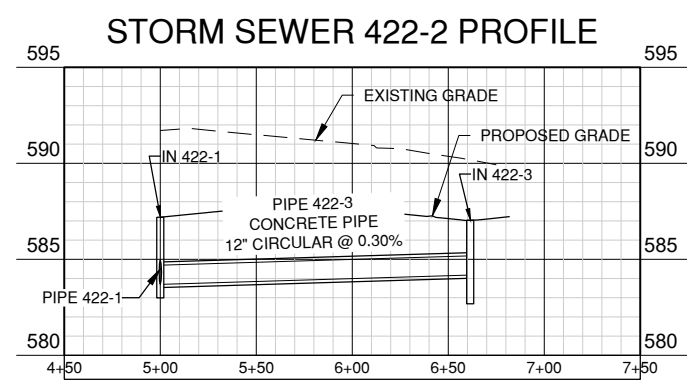
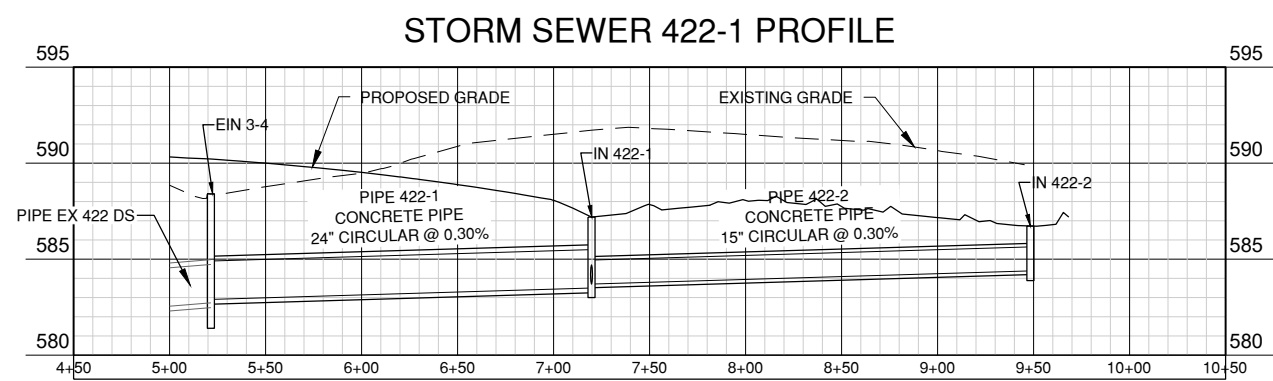
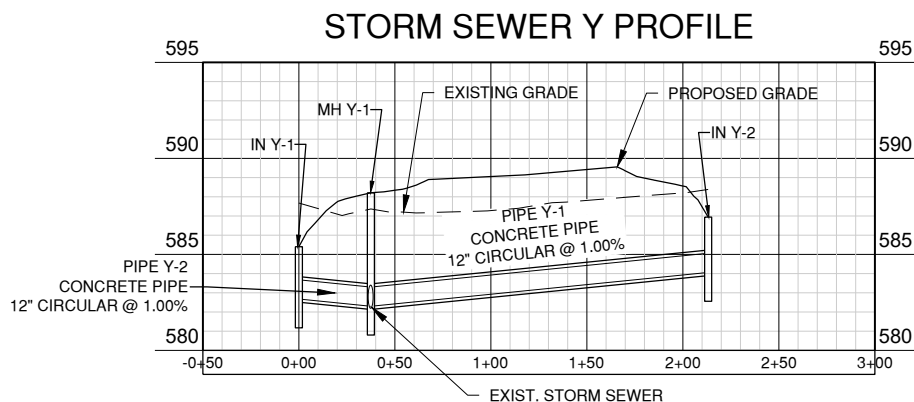
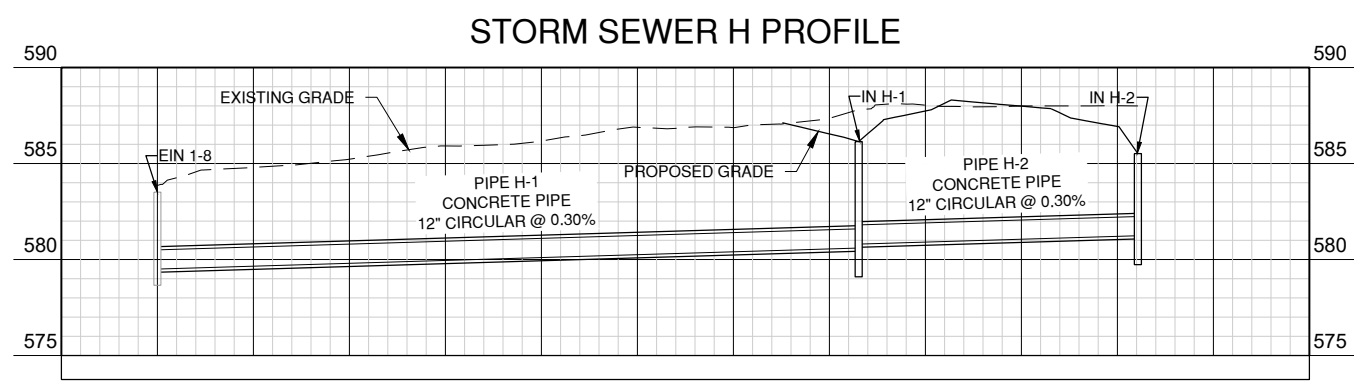
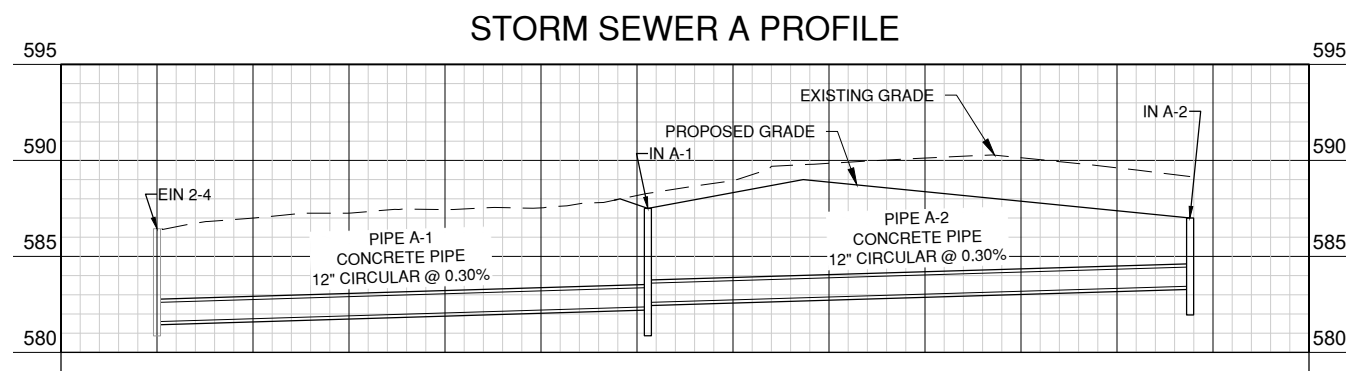
### STRUCTURE SCHEDULE

STRUCTURE	HORIZONTAL CONTROL			RIM ELEV.	INVERT ELEV.
	ALIGNMENT	STATION	OFFSET		
CO1	TAXIWAY Y	4+59.83	50.33 R	591.50	588.00
CO2	TAXIWAY Y	8+46.11	130.24 R	588.81	585.31
CO3	TAXIWAY Y	4+68.62	50.20 L	591.59	588.09
CO4	TAXIWAY Y	8+68.38	123.92 L	589.79	586.29
CO26	TAXIWAY H	21+46.86	27.50 R	588.18	584.68
CO27	TAXIWAY H	21+46.86	27.50 L	588.48	584.98
CO28	TAXIWAY A	13+37.82	40.00 R	590.51	587.01
CO29	TAXIWAY A	15+55.32	40.00 L	589.56	586.06
CO30	TAXIWAY A	13+37.82	40.00 L	591.60	588.10
CS1	TAXIWAY Y	7+55.49	35.50 R	588.42	584.92
CS2	TAXIWAY Y	7+55.52	35.50 L	589.38	585.88
CS3	TAXIWAY B	39+62.01	30.50 R	587.15	583.65
CS4	TAXIWAY B	39+62.01	30.50 L	587.23	583.73
CS13	TAXIWAY H	18+97.70	27.50 R	587.65	584.15
CS14	TAXIWAY H	18+97.70	27.50 L	587.81	584.31
CS15	TAXIWAY A	11+20.32	40.00 R	589.16	585.66
CS16	TAXIWAY A	15+55.32	40.00 R	589.00	585.50
CS17	TAXIWAY A	11+20.32	40.00 L	588.70	585.20

**CSX - COLLECTION STRUCTURE**  
**COX - CLEAN OUT**

### UNDERDRAIN SCHEDULE

STRUCTURE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT	DOWNSTREAM INVERT	LENGTH (FT)	SLOPE (%)	TYPE
UD-1	CO1	CS1	591.50	588.42	306.59	1.00%	PERFORATED
UD-2	CS1	IN Y-3	584.92	581.90	56.61	5.33%	NON-PERFORATED
UD-3	CO2	CS1	585.31	584.92	159.84	0.24%	PERFORATED
UD-4	CO3	CS2	588.09	585.88	287.11	0.77%	PERFORATED
UD-5	CS2	IN Y-2	585.88	583.06	68.59	4.11%	NON-PERFORATED
UD-6	CO4	CS2	586.29	585.88	165.21	0.25%	PERFORATED
UD-42	CO26	CS13	584.68	584.15	249.17	0.21%	PERFORATED
UD-43	CO27	CS14	584.98	584.31	249.17	0.27%	PERFORATED
UD-46	CO28	CS15	587.01	585.66	217.50	0.62%	PERFORATED
UD-47	CO28	CS16	587.01	585.50	217.50	0.69%	PERFORATED
UD-49	CO29	CO2	586.06	585.31	209.90	0.36%	PERFORATED
UD-50	CO30	CO29	588.10	586.06	217.50	0.94%	PERFORATED
UD-51	CO30	CS17	588.10	585.20	217.50	1.33%	PERFORATED



LEGEND	
	PROPOSED GROUND SURFACE
	EXISTING GROUND SURFACE

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JUNE 29, 2020  
RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

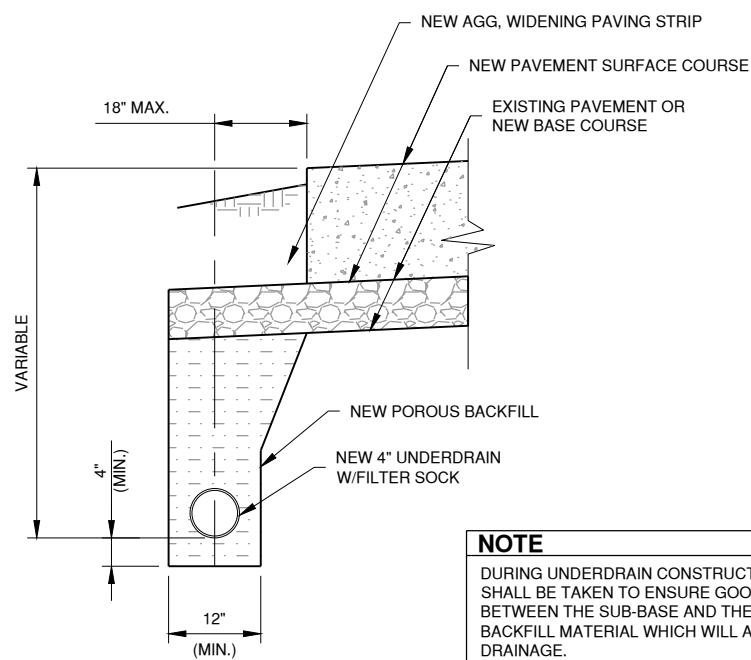
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SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

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DESIGNED BY:	HWI	
DRAWN BY:	DPA	
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SHEET TITLE  
**STORM SEWER PROFILES**

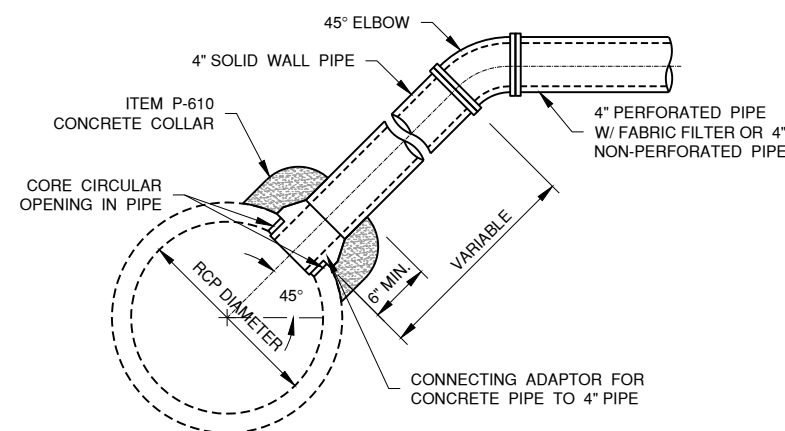
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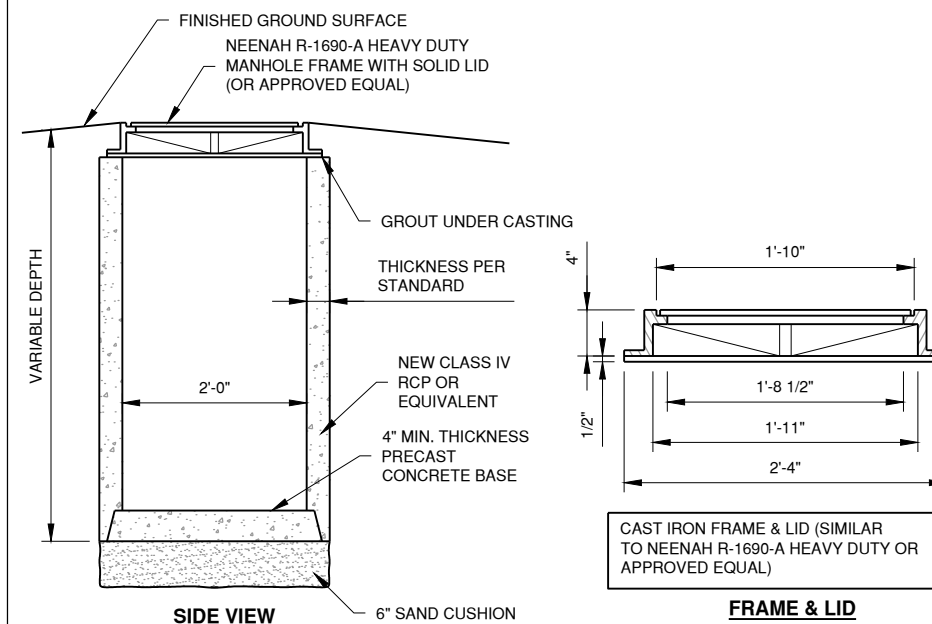
**NOTE**  
DURING UNDERDRAIN CONSTRUCTION, CARE SHALL BE TAKEN TO ENSURE GOOD DRAINAGE BETWEEN THE SUB-BASE AND THE POROUS BACKFILL MATERIAL WHICH WILL AFFECT DRAINAGE.

**1 UNDERDRAIN PAVEMENT EDGE**  
N.T.S.



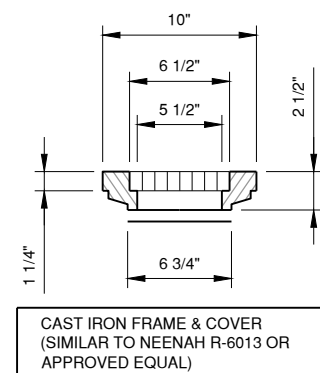
**NOTE**  
ANGLE MEASURED FROM HORIZONTAL

**2 UNDERDRAIN DIRECT CONNECTION**  
N.T.S.



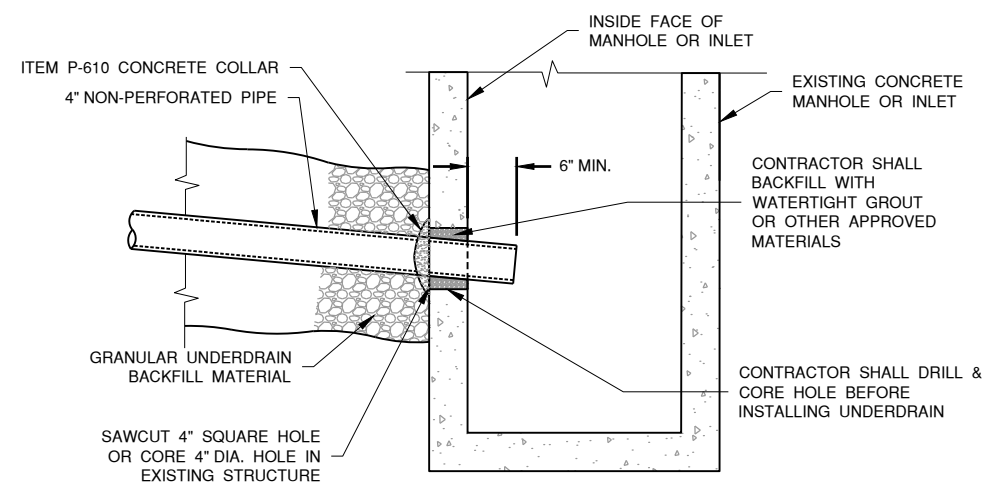
CAST IRON FRAME & LID (SIMILAR TO NEENAH R-1690-A HEAVY DUTY OR APPROVED EQUAL)

**3 UNDERDRAIN COLLECTION STRUCTURE**  
N.T.S.

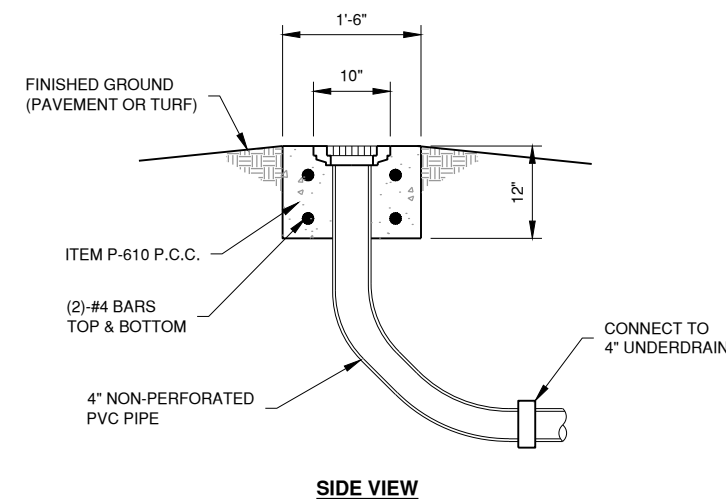


CAST IRON FRAME & COVER (SIMILAR TO NEENAH R-6013 OR APPROVED EQUAL)

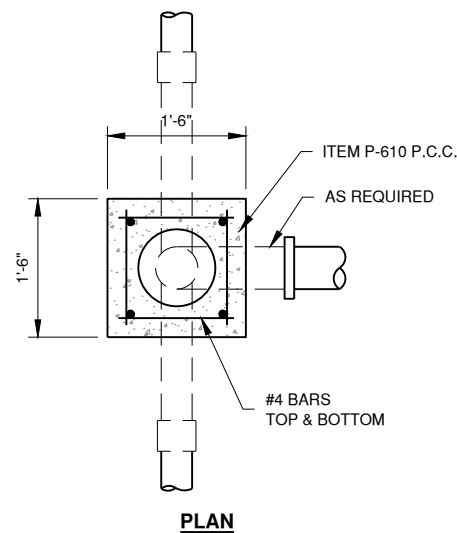
**FRAME & LID**



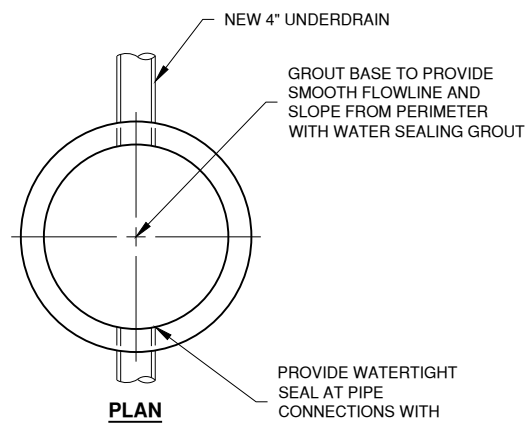
**4 UNDERDRAIN DIRECT CONNECTION TO STRUCTURE**  
N.T.S.



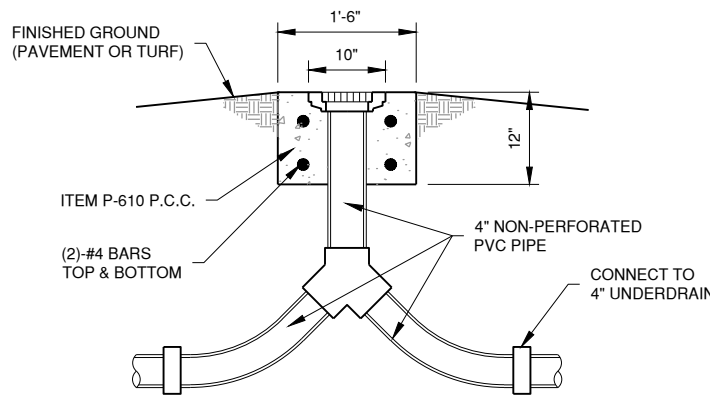
**6 UNDERDRAIN CLEAN-OUT TYPE 1**  
N.T.S.



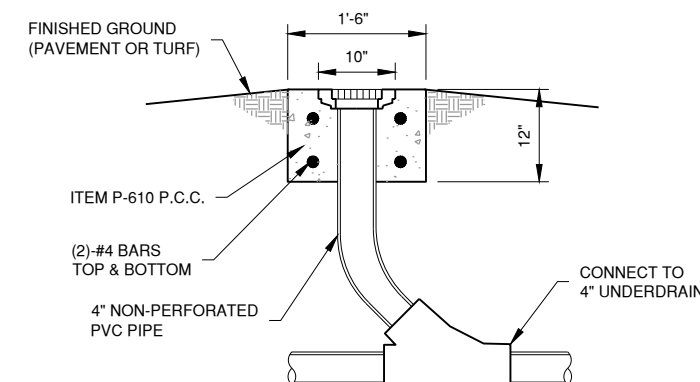
**5 UNDERDRAIN CLEAN-OUT**  
N.T.S.



PROVIDE WATERTIGHT SEAL AT PIPE CONNECTIONS WITH WATER SEALING GROUT



**7 UNDERDRAIN CLEAN-OUT TYPE 2**  
N.T.S.



**8 UNDERDRAIN CLEAN-OUT TYPE 3**  
N.T.S.

JUNE 29, 2020

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	CA021
IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-CU500.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

SHEET TITLE  
**UNDERDRAIN DETAILS**

-----  
JUNE 29, 2020

RUNWAY 18/36 REMOVAL AND  
ASSOCIATED IMPROVEMENTS,  
PHASE 1

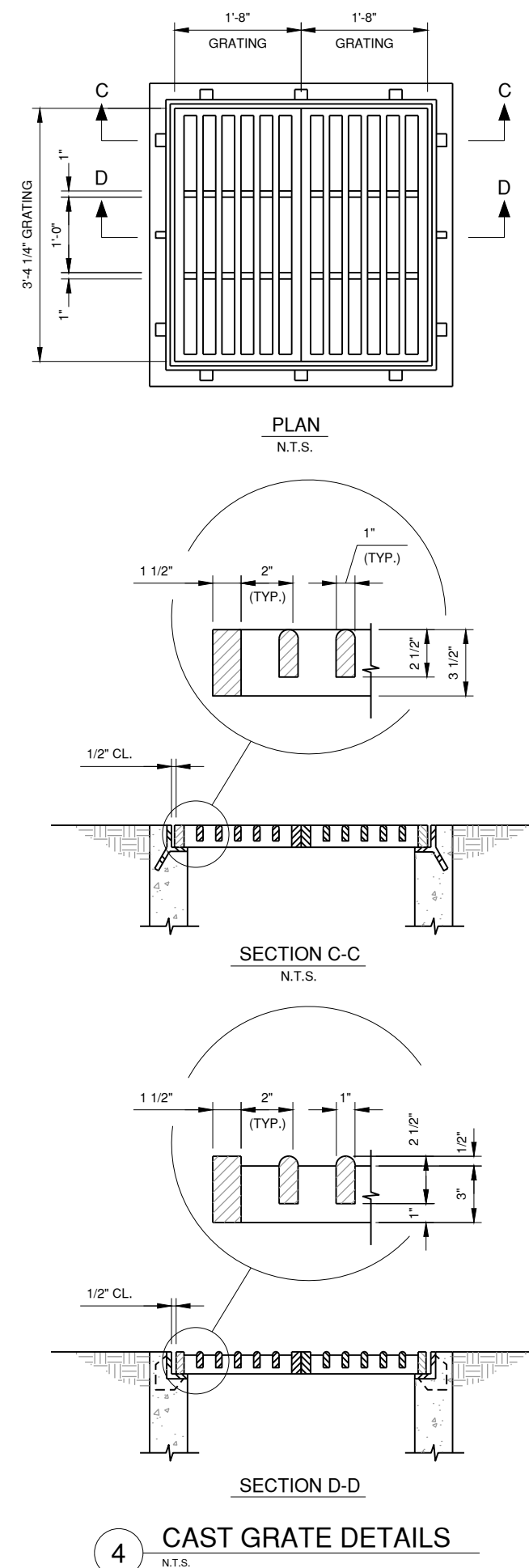
OWNER



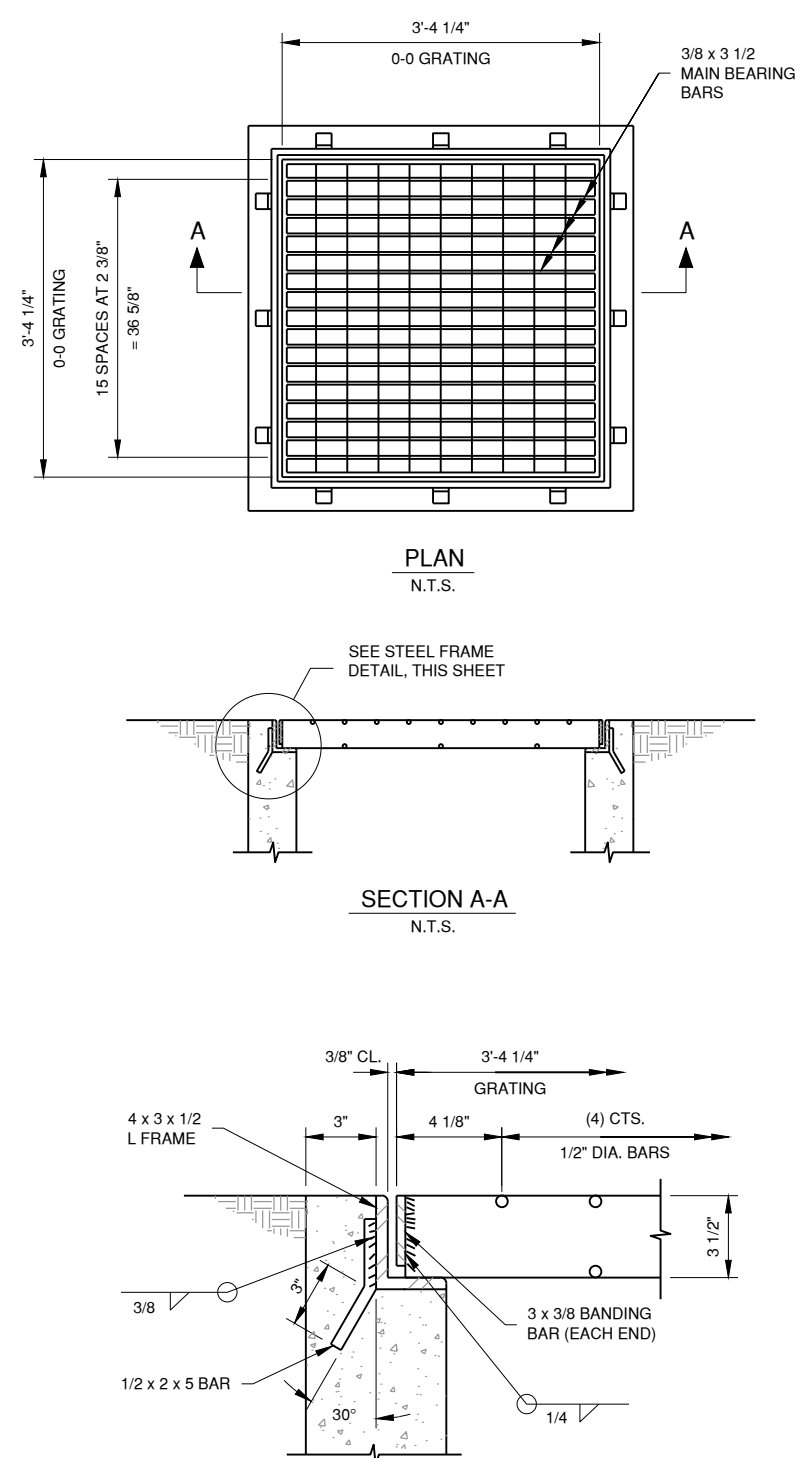
SPRINGFIELD AIRPORT  
AUTHORITY  
ABRAHAM LINCOLN CAPITAL  
AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO: 3-17-0096-XX		CA021
IL PROJ. NO: SPI-4755		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH1-CU500.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: RLV		
COPYRIGHT:		

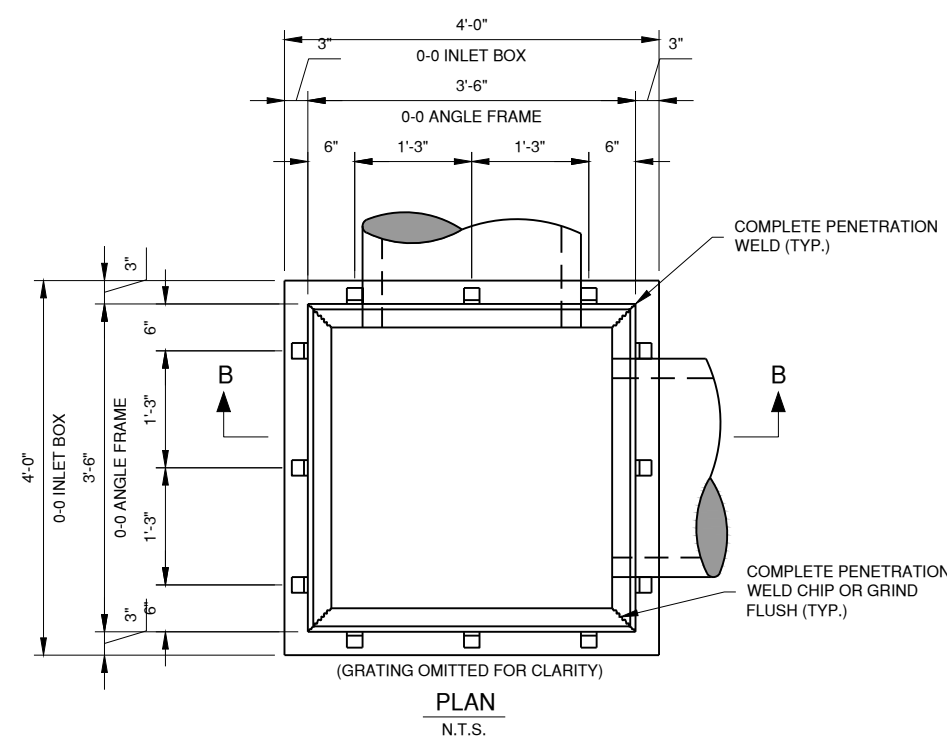
SHEET TITLE  
**STORM SEWER  
DETAILS 1**



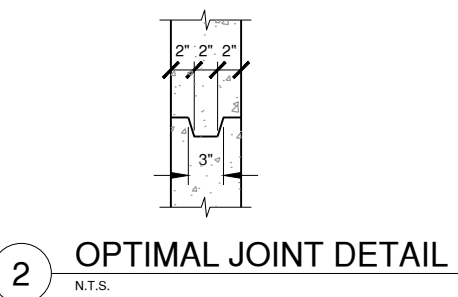
**4 CAST GRATE DETAILS**  
N.T.S.



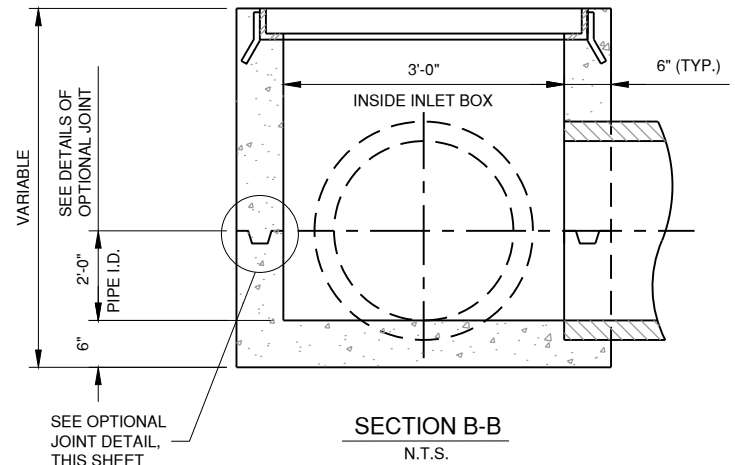
**3 STEEL FRAME DETAIL**  
N.T.S.



**1 36" INLET DETAIL**  
N.T.S.



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

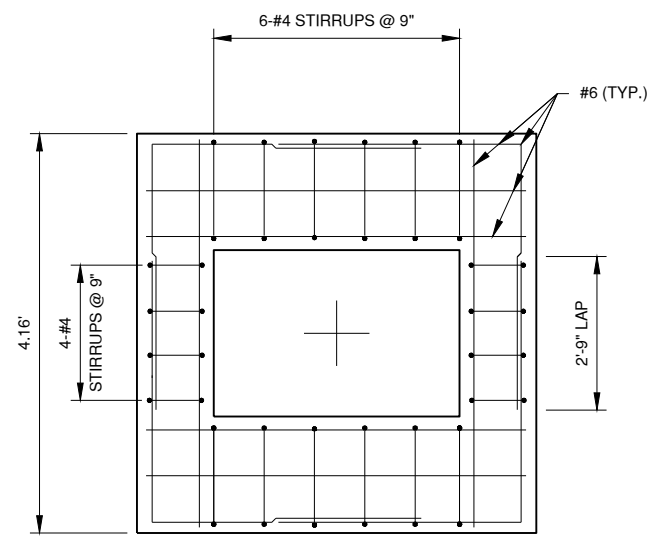


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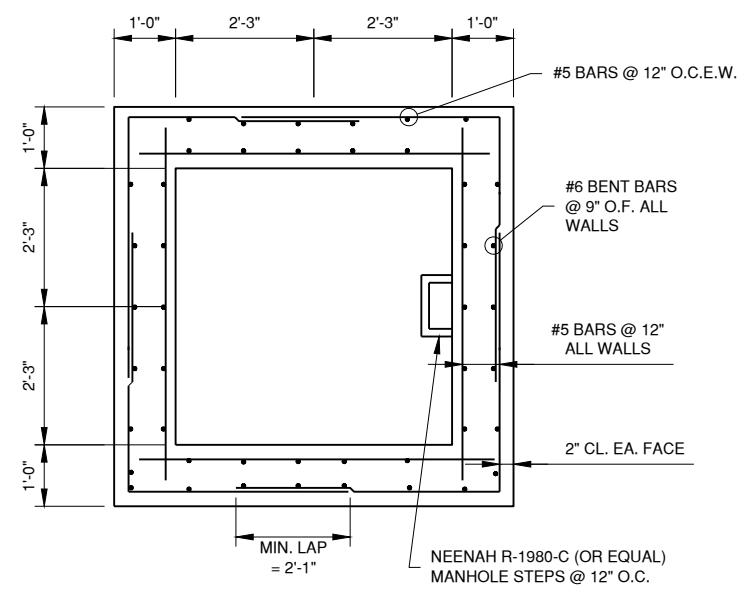


MARK	DATE	DESCRIPTION
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IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-CU500.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

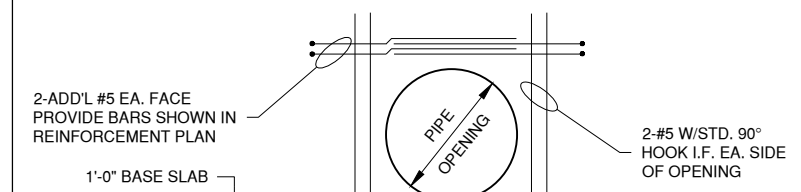
**STORM SEWER  
DETAILS 2**



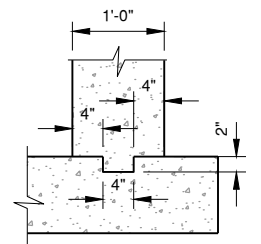
**3 TOP REINFORCEMENT**  
N.T.S.



**2 WALL REINFORCEMENT**  
N.T.S.



**5 ADDITIONAL REINFORCEMENT  
AROUND PIPE PENETRATIONS**  
N.T.S.

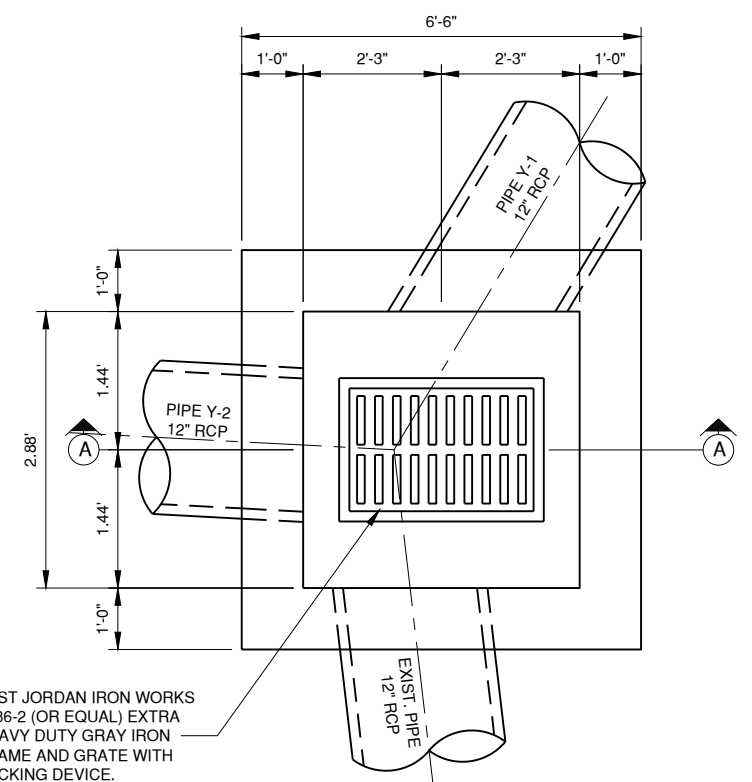


**4 KEYWAY DETAIL**  
N.T.S.

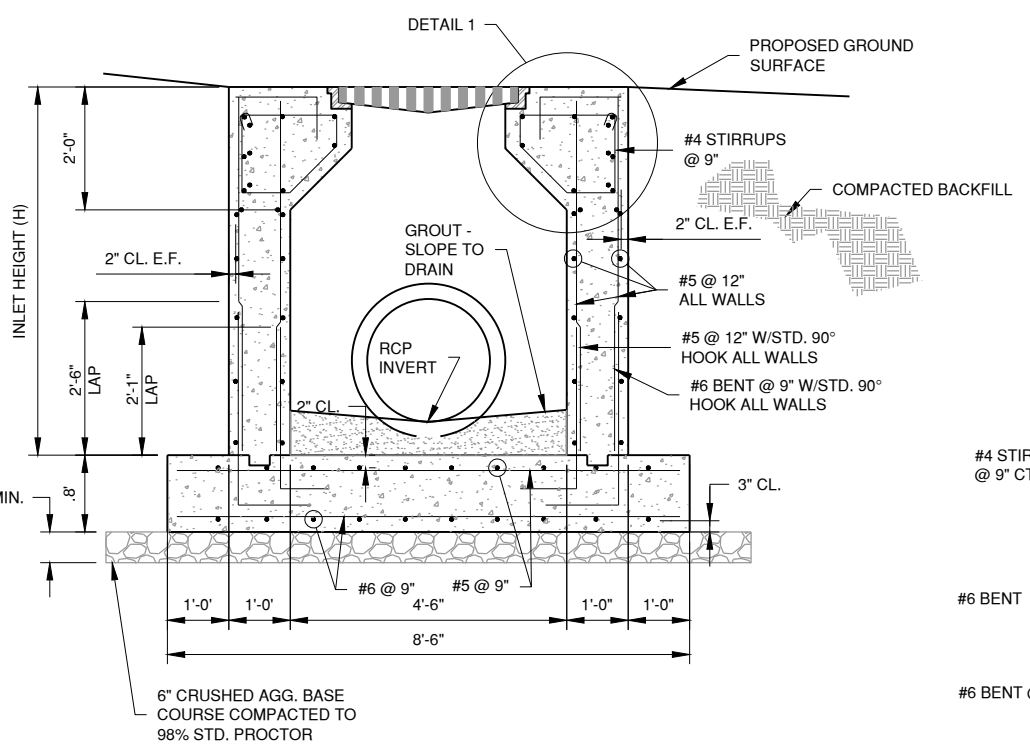
**DESIGN CRITERIA**  
2000 PSI LOADING  
WATER TABLE AT TOP OF INLET NET  
ALLOWABLE SOIL BEARING PRESSURE =  
2500 PSF

**GENERAL NOTES**

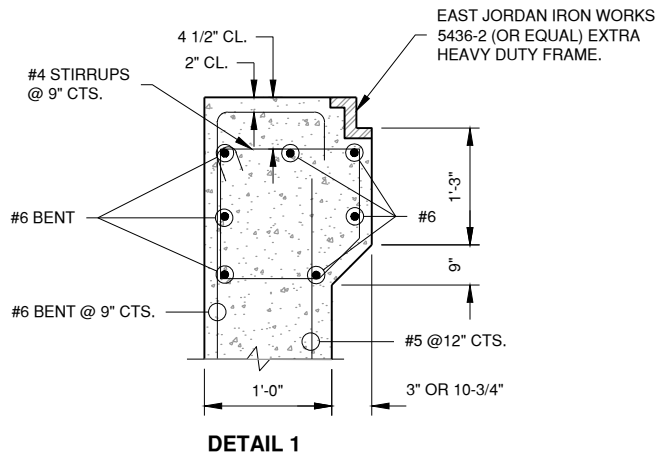
1. THE INLET GRATE SHALL BE SUPPORTED ON ALL FOUR SIDES.
2. ALL REINFORCEMENT BARS SHALL CONFORM TO ASTM A615 GRADE 60 AND SHALL BE CLEAN AND FREE OF GREASE, SCALING RUST AND OTHER FOREIGN MATERIALS.
3. INLET MAY BE CONSTRUCTED BY CAST-IN-PLACE CONCRETE OR PRECAST CONCRETE. PRECAST CONCRETE INLETS SHALL BE CONSTRUCTED TO THE LINES, DIMENSIONS AND DETAILS SHOWN ON THIS SHEET.
4. CAST-IN-PLACE CONCRETE AND PRECAST CONCRETE FOR THE INLETS SHALL BE IN ACCORDANCE WITH P-610.
5. ALL FOOTING EXCAVATIONS SHALL BE CLEAN FREE OF DEBRIS, STANDING WATER AND LOOSE SOIL AND SHALL BE INSPECTED BY THE ENGINEER PRIOR TO THE PLACEMENT OF CONCRETE OR SUBBASE.
6. CONCRETE SHALL NOT BE PLACED OVER FROZEN OR MUDDY SOIL.
7. ADDITIONAL REINFORCEMENT FOR PIPE PENETRATIONS NOT REQUIRED FOR 4" DIA. PIPES OR LESS.



**1 MANHOLE DETAIL**  
N.T.S.

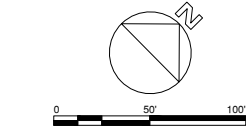


**SECTION A-A**



**DETAIL 1**

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Date: Thursday, June 25, 2020 6:55:13 PM



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

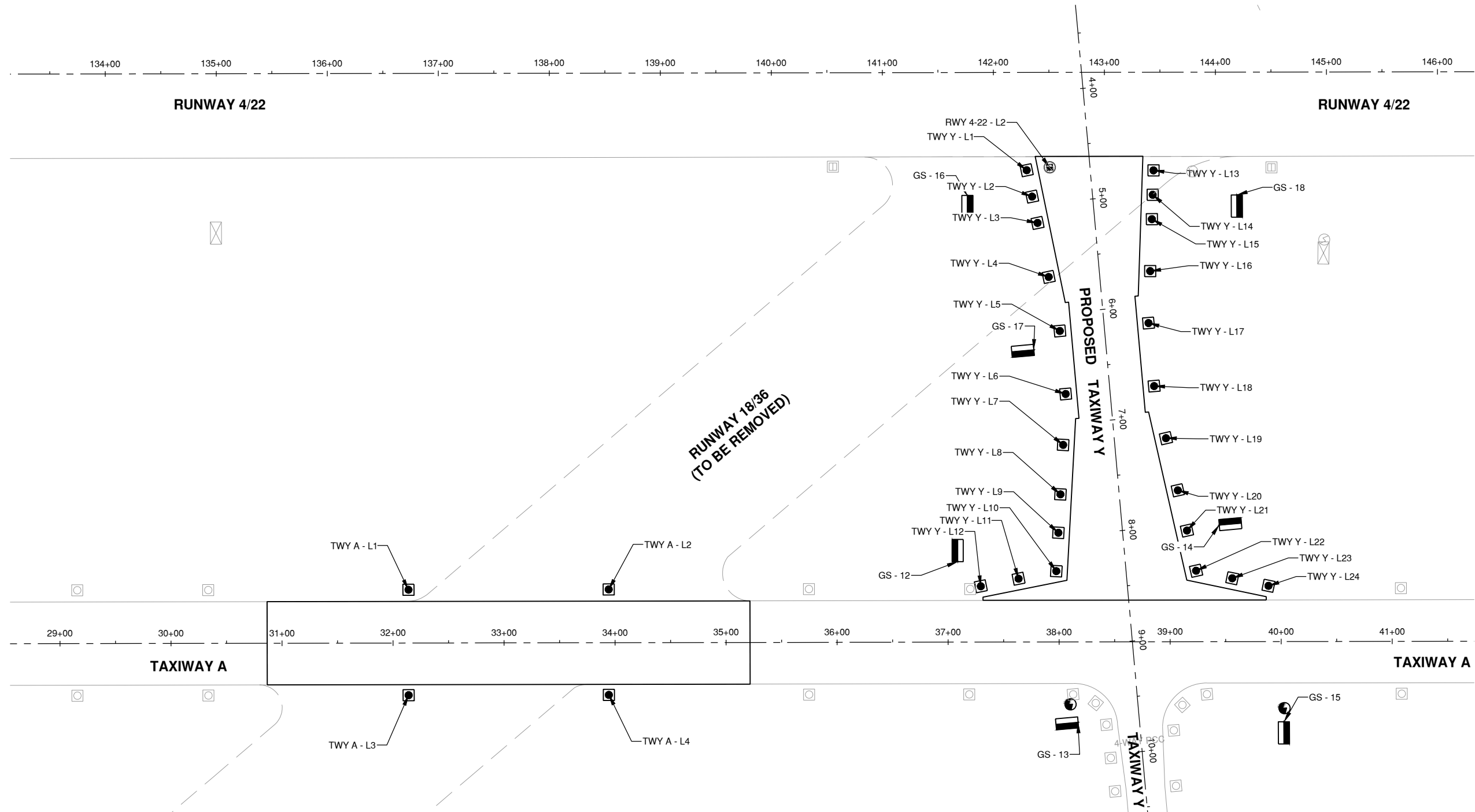
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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



SPRINGFIELD AIRPORT  
AUTHORITY  
ABRAHAM LINCOLN CAPITAL  
AIRPORT  
SPRINGFIELD, IL



**GENERAL NOTES**

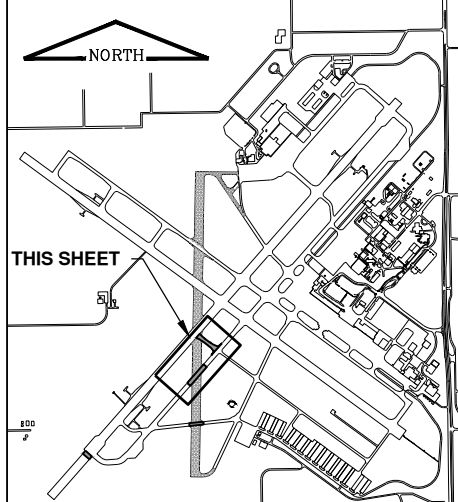
1. EDGE LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE.
2. THE CONTRACTOR SHALL VERIFY LAYOUT OF LIGHTS WITH THE R.E. PRIOR TO INSTALLING.
3. LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE P.T. OR P.C. OR TAPER POINT.

ALL IMPROVEMENTS SHOWN ON THIS SHEET ARE INCLUDED IN THE BASE BID.

**LEGEND**

- | EXISTING | NEW                                |
|----------|------------------------------------|
|          | SPLICE CAN                         |
|          | TAXIWAY GUIDANCE SIGN              |
|          | TAXIWAY EDGE LIGHT - STAKE MOUNTED |
|          | TAXIWAY EDGE LIGHT - BASE MOUNTED  |
|          | RUNWAY BASE MOUNTED EDGE LIGHT     |
|          | HANDHOLE                           |
|          | DUCT BANK                          |
|          | IN-PAVEMENT LIGHT                  |

**KEYMAP**



MARK	DATE	DESCRIPTION

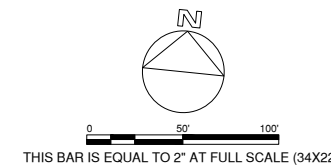
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IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-EL100.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

**SHEET TITLE**  
**LIGHTING & SIGNAGE PLAN 1**

EL101  
SHEET **52** OF **95**



License No. 184-000613  
CONSULTANTS



-----  
JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA021**

IL PROJ. NO: SPI-4755

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH1-EL100.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: MJD

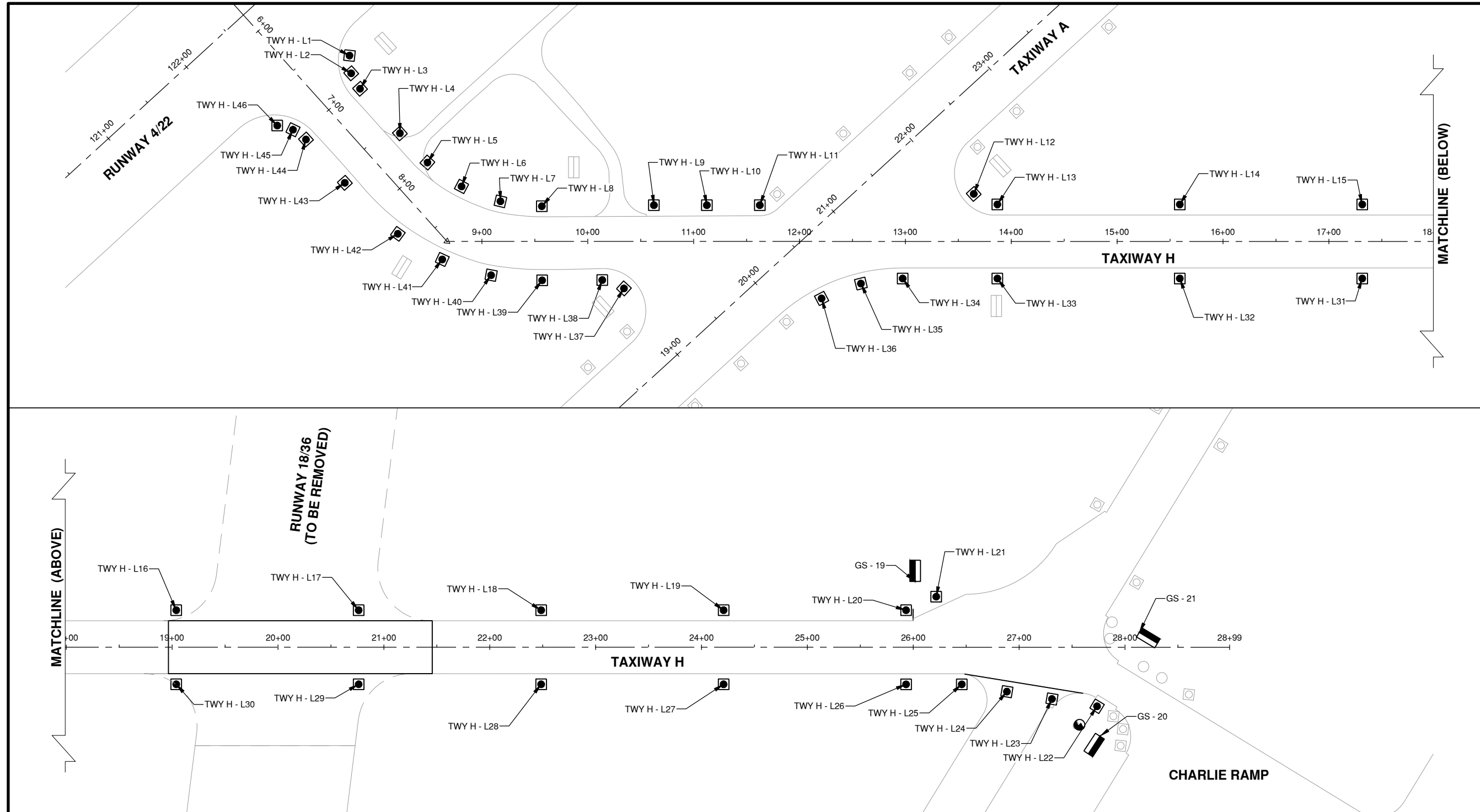
APPROVED BY: RLV

COPYRIGHT:

SHEET TITLE

**LIGHTING & SIGNAGE PLAN 2**

EL102  
SHEET **53** OF **95**



**GENERAL NOTES**

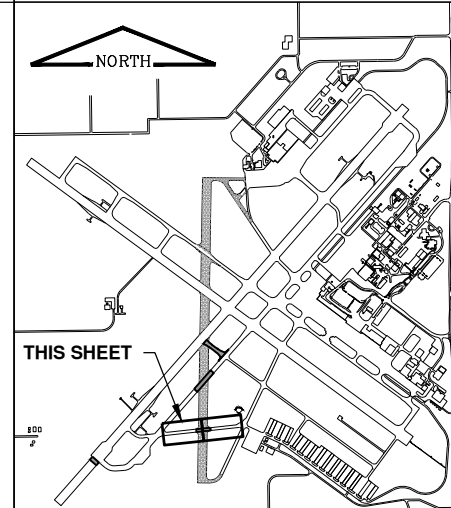
1. EDGE LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE.
2. THE CONTRACTOR SHALL VERIFY LAYOUT OF LIGHTS WITH THE R.E. PRIOR TO INSTALLING.
3. LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE P.T. OR P.C. OR TAPER POINT.

ALL IMPROVEMENTS SHOWN ON THIS SHEET ARE INCLUDED IN THE BASE BID.

**LEGEND**

EXISTING	NEW	
		SPLICE CAN
		TAXIWAY GUIDANCE SIGN
		TAXIWAY EDGE LIGHT - STAKE MOUNTED
		TAXIWAY EDGE LIGHT - BASE MOUNTED
		RUNWAY BASE MOUNTED EDGE LIGHT
		HANDHOLE
		DUCT BANK
		IN-PAVEMENT LIGHT

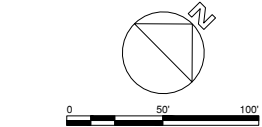
**KEYMAP**





License No. 184-000613

CONSULTANTS



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

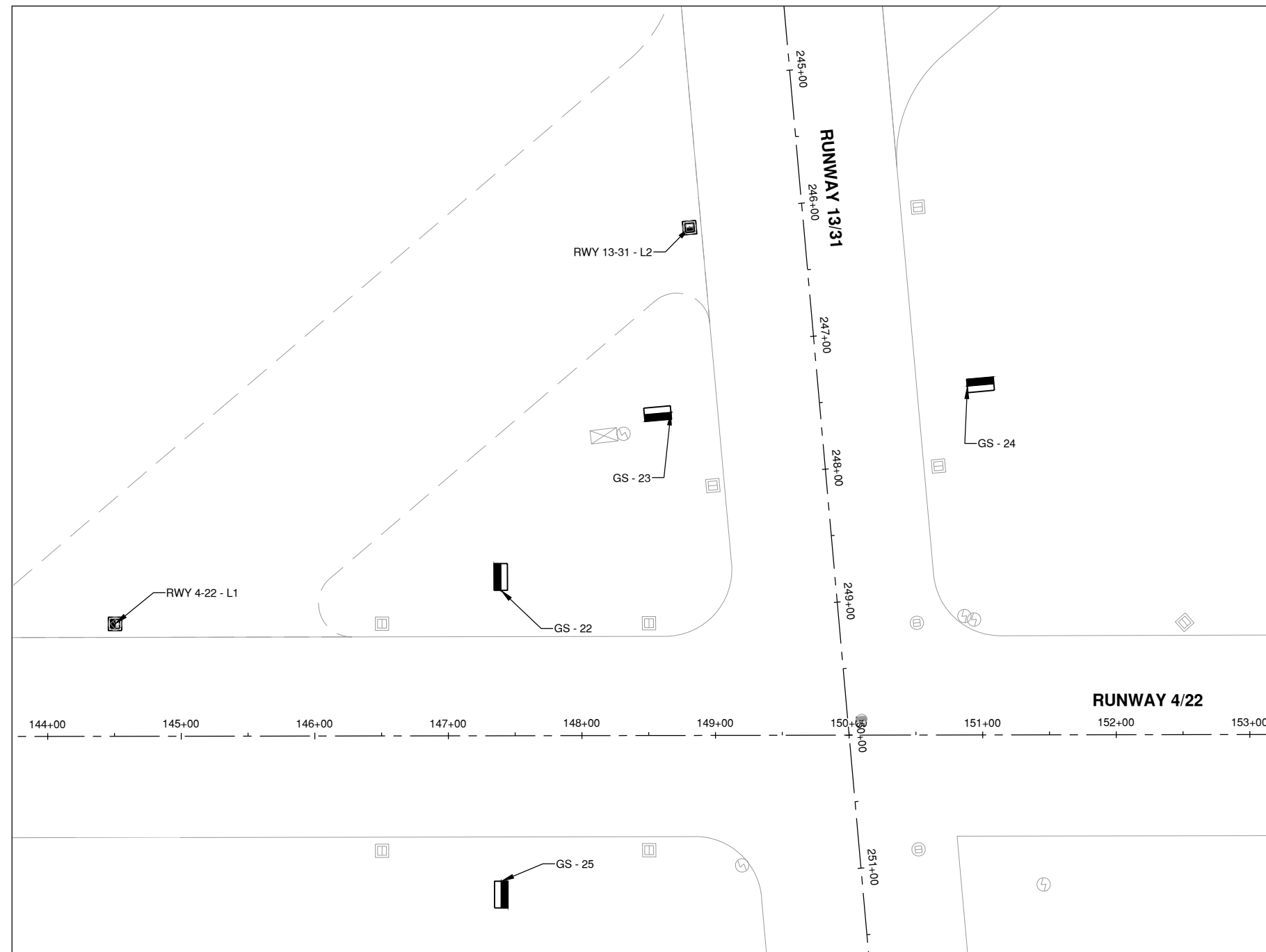
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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL



**GENERAL NOTES**

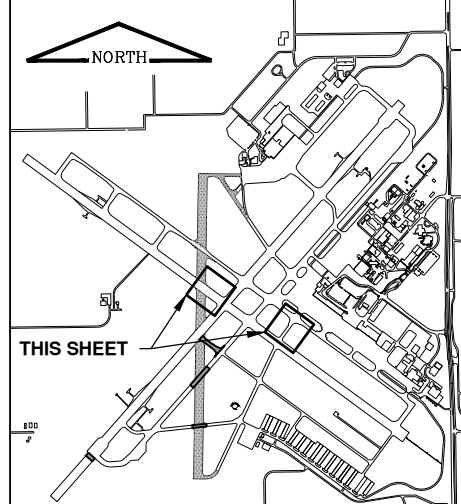
- EDGE LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE.
- THE CONTRACTOR SHALL VERIFY LAYOUT OF LIGHTS WITH THE R.E. PRIOR TO INSTALLING.
- LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE P.T. OR P.C. OR TAPER POINT.

ALL IMPROVEMENTS SHOWN ON THIS SHEET ARE INCLUDED IN ADDITIVE ALTERNATE #1

**LEGEND**

EXISTING	NEW	
		SPLICE CAN
		TAXIWAY GUIDANCE SIGN
		TAXIWAY EDGE LIGHT - STAKE MOUNTED
		TAXIWAY EDGE LIGHT - BASE MOUNTED
		RUNWAY BASE MOUNTED EDGE LIGHT
		HANDHOLE
		DUCT BANK
		IN-PAVEMENT LIGHT

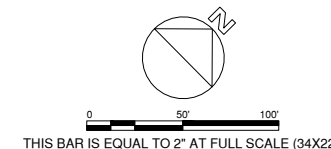
**KEYMAP**



MARK	DATE	DESCRIPTION
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IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-EL100.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

SHEET TITLE  
**LIGHTING & SIGNAGE PLAN 3**

Path: K:\Springfield\Apl\180035-05\_Rwy\_18-36\DrawSheets\PHASE 1\18003505-PH1-EL100.dwg  
Date: Thursday, June 25, 2020 6:56:31 PM



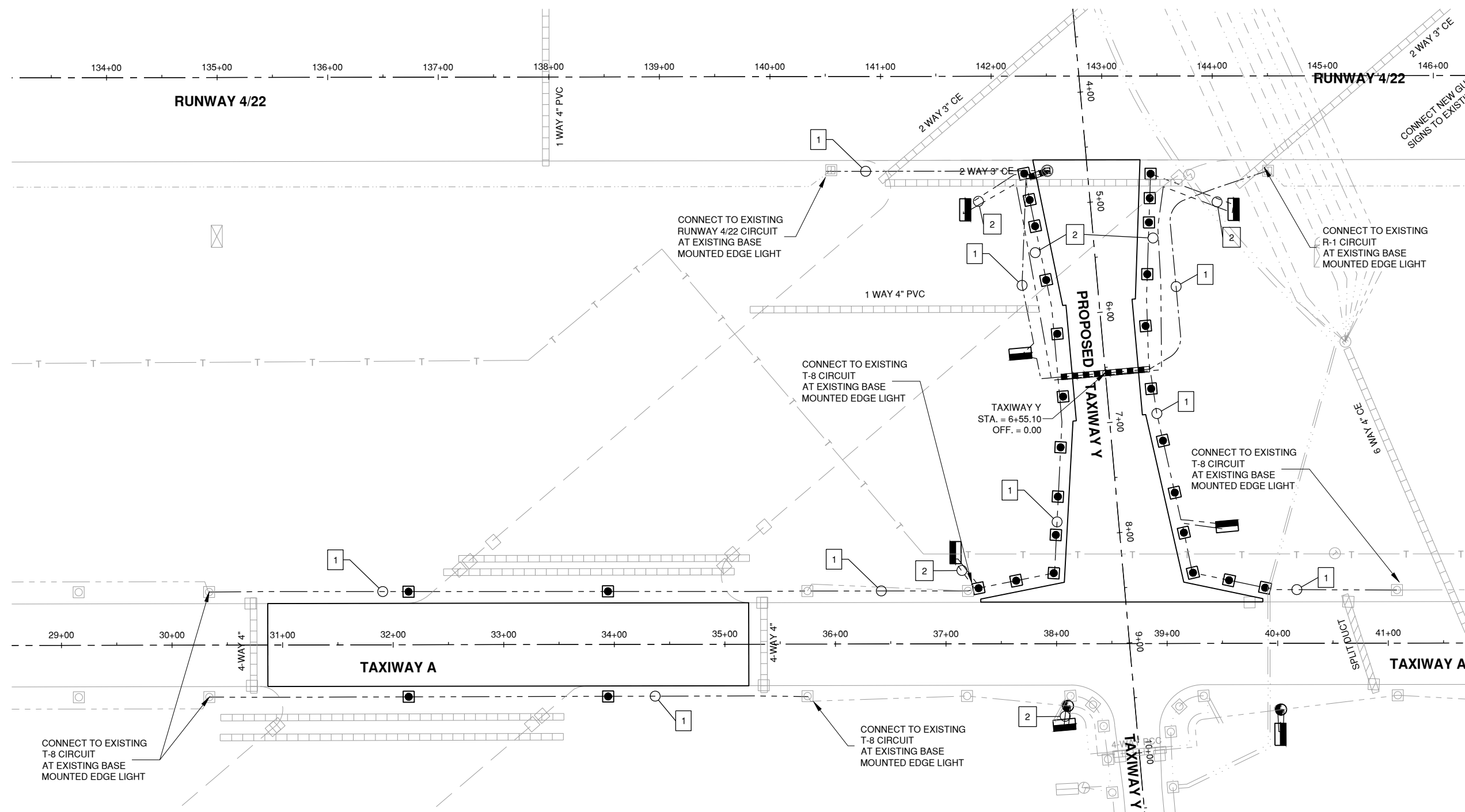
JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL



**GENERAL NOTES**

1. LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE.
2. THE CONTRACTOR SHALL VERIFY LAYOUT OF LIGHTS WITH THE R.E. PRIOR TO INSTALLING.
3. LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE I.P., P.T., P.C., OR TAPER POINT.

ALL IMPROVEMENTS SHOWN ON THIS SHEET ARE INCLUDED IN THE BASE BID.

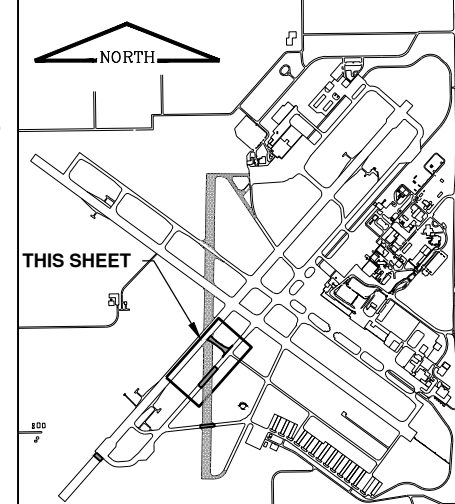
**CIRCUIT LEGEND**

EXISTING	NEW	CIRCUIT
		R-1 (RWY 4/22)
		R-2 (RWY 13/31)
		T-8 (TXY A, H-WEST)
		T-6 (TXY B)
		T-1 (TXY C, H-EAST)
		T-5 (TXY G-EAST)
		T-4 (TXY G-WEST)
		TXY G HOMERUN
		HR
		1/C #8 5KV UG CABLE IN UD
		2/C #8 5KV UG CABLE IN UD
		1/C #8 5KV UG CABLE

**LEGEND**

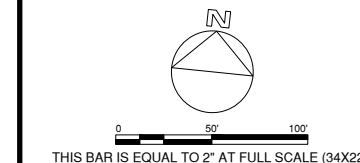
EXISTING	NEW	DESCRIPTION
		SPLICE CAN
		TAXIWAY GUIDANCE SIGN
		TAXIWAY EDGE LIGHT - STAKE MOUNTED
		TAXIWAY EDGE LIGHT - BASE MOUNTED
		RUNWAY BASE MOUNTED EDGE LIGHT
		HANDHOLE
		4" - 4-WAY DUCT BANK
		IN-PAVEMENT LIGHT

**KEYMAP**



MARK	DATE	DESCRIPTION
AIP PROJ. NO: 3-17-0096-XX		CA021
IL PROJ. NO: SPI-4755		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH1-EL200.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: RLV		
COPYRIGHT:		

**SHEET TITLE**  
**CABLING PLAN 1**



-----  
JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER

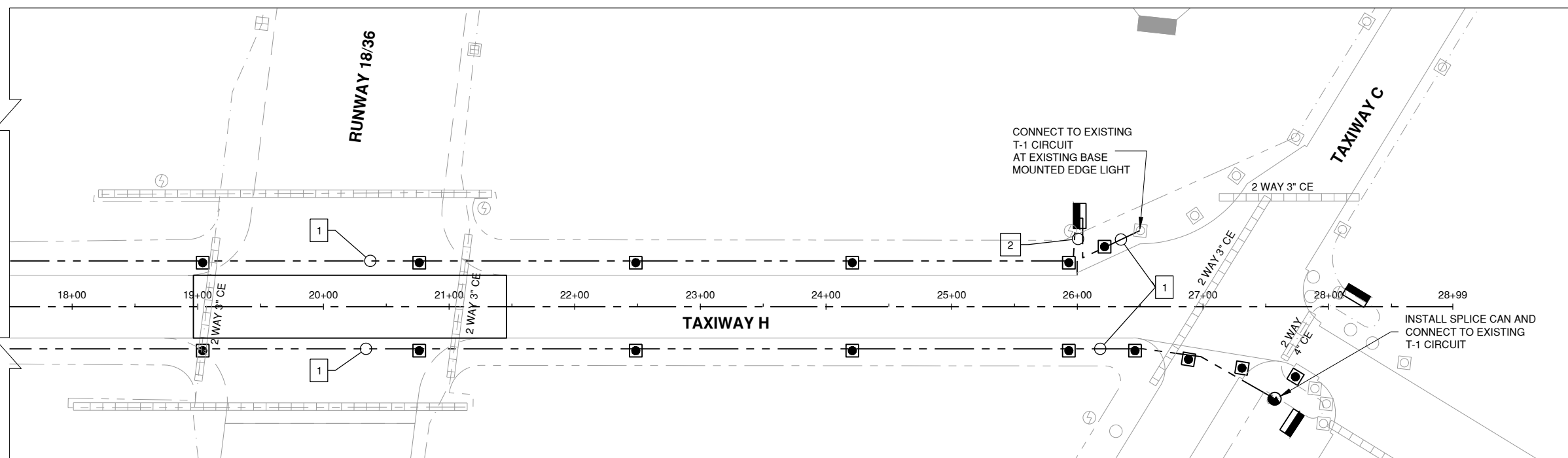
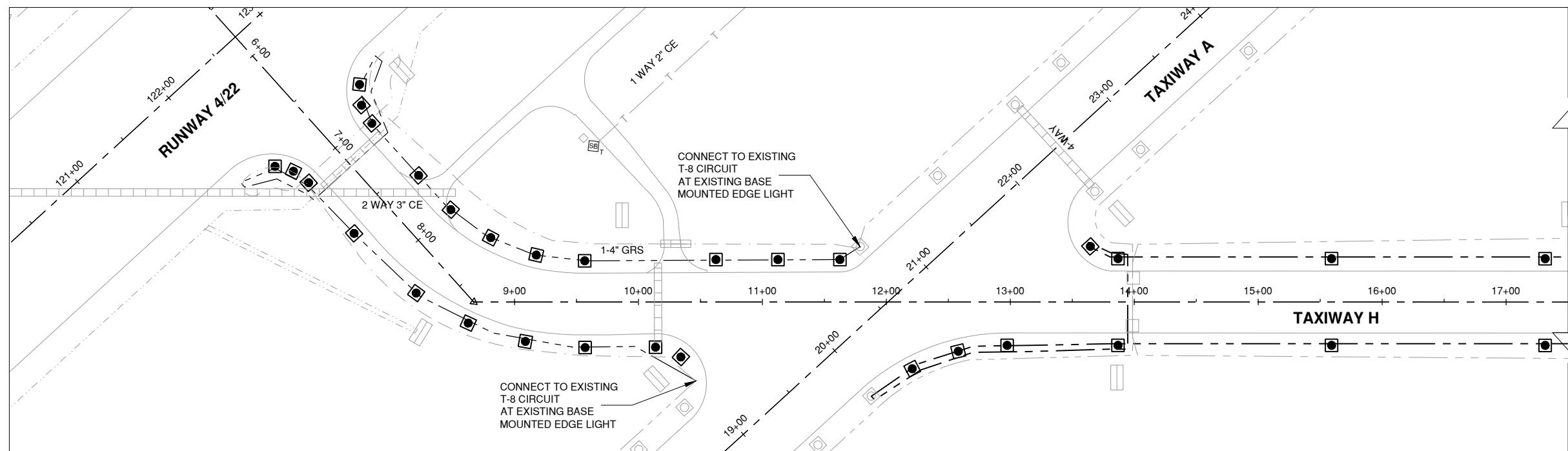


**SPRINGFIELD AIRPORT AUTHORITY**  
**ABRAHAM LINCOLN CAPITAL AIRPORT**  
**SPRINGFIELD, IL**

MARK	DATE	DESCRIPTION
AIP PROJ. NO: 3-17-0096-XX		CA021
IL PROJ. NO: SPI-4755		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH1-EL200.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: RLV		
COPYRIGHT:		

SHEET TITLE  
**CABLING PLAN 2**

EL202  
SHEET 56 OF 95



**GENERAL NOTES**

- LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE.
- THE CONTRACTOR SHALL VERIFY LAYOUT OF LIGHTS WITH THE R.E. PRIOR TO INSTALLING.
- LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE I.P., P.T., P.C., OR TAPER POINT.

ALL IMPROVEMENTS SHOWN ON THIS SHEET ARE INCLUDED IN THE BASE BID.

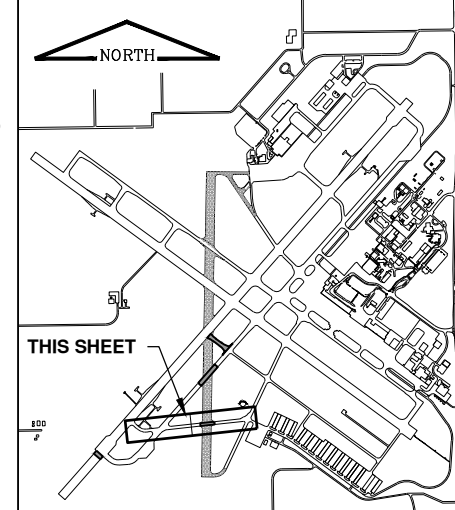
**CIRCUIT LEGEND**

EXISTING	NEW	CIRCUIT
		R-1 (RWY 4/22)
		R-2 (RWY 13/31)
		T-8 (TXY A, H-WEST)
		T-6 (TXY B)
		T-1 (TXY C, H-EAST)
		T-5 (TXY G-EAST)
		T-4 (TXY G-WEST)
		TXY G HOMERUN
		1/C #8 5KV UG CABLE IN UD
		2/C #8 5KV UG CABLE IN UD
		1/C #8 5KV UG CABLE

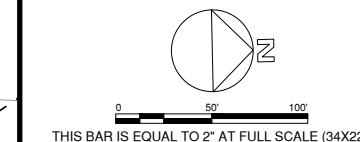
**LEGEND**

EXISTING	NEW	DESCRIPTION
		SPLICE CAN
		TAXIWAY GUIDANCE SIGN
		TAXIWAY EDGE LIGHT - STAKE MOUNTED
		TAXIWAY EDGE LIGHT - BASE MOUNTED
		RUNWAY BASE MOUNTED EDGE LIGHT
		HANDHOLE
		4" - 4-WAY DUCT BANK
		IN-PAVEMENT LIGHT

**KEYMAP**



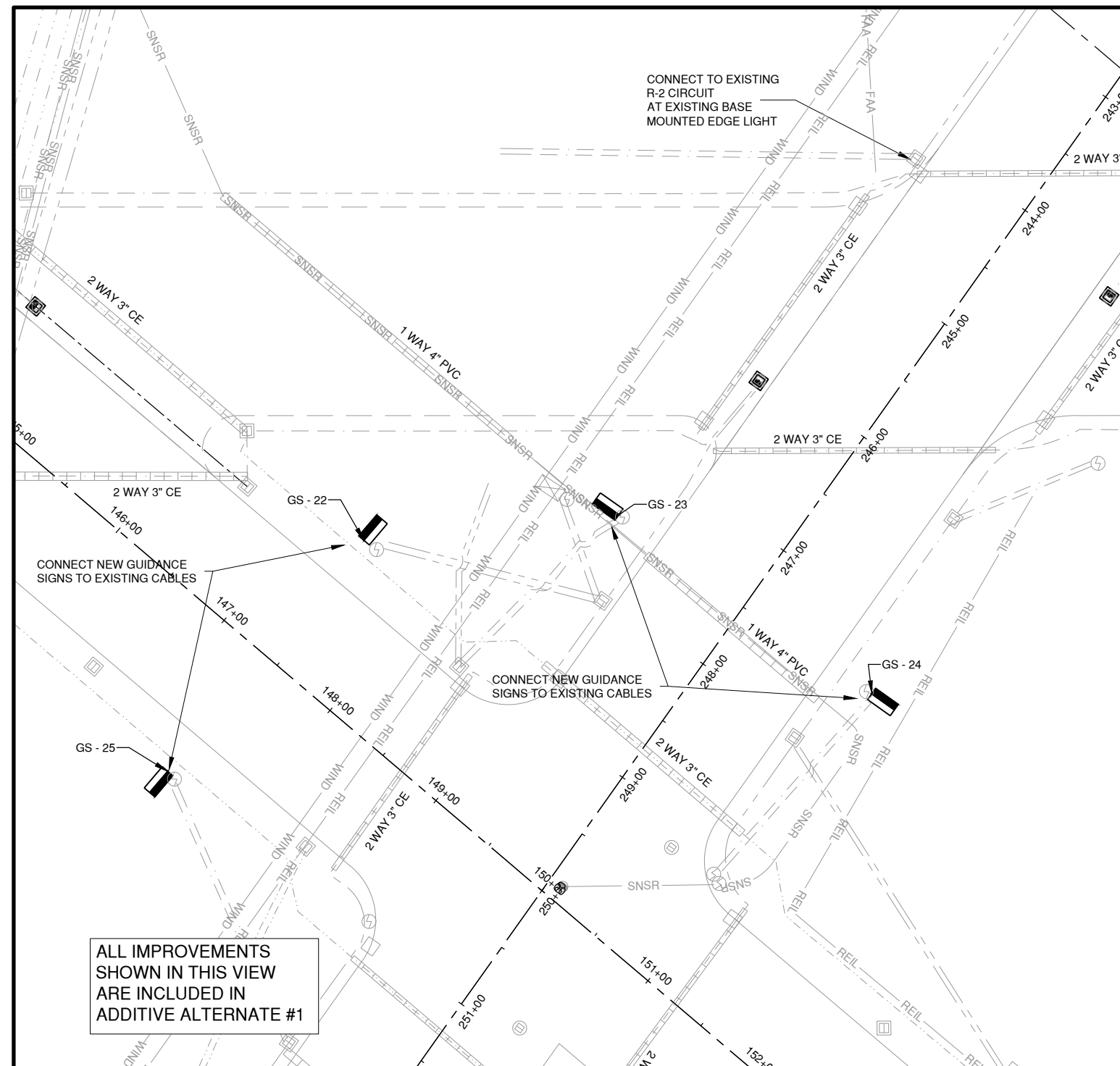




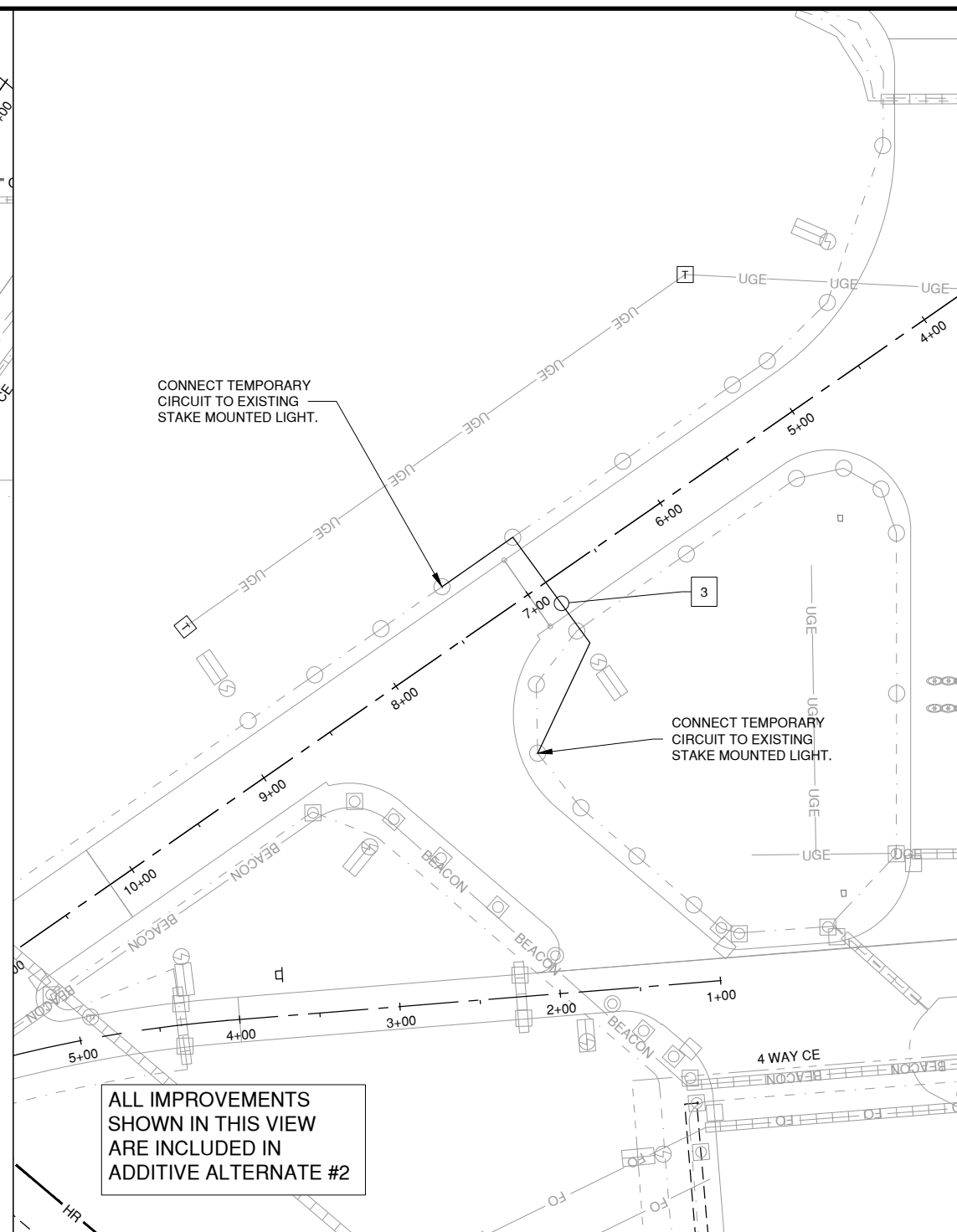
JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER


 SPRINGFIELD AIRPORT AUTHORITY  
 ABRAHAM LINCOLN CAPITAL AIRPORT  
 SPRINGFIELD, IL


ALL IMPROVEMENTS SHOWN IN THIS VIEW ARE INCLUDED IN ADDITIVE ALTERNATE #1



ALL IMPROVEMENTS SHOWN IN THIS VIEW ARE INCLUDED IN ADDITIVE ALTERNATE #2

**GENERAL NOTES**

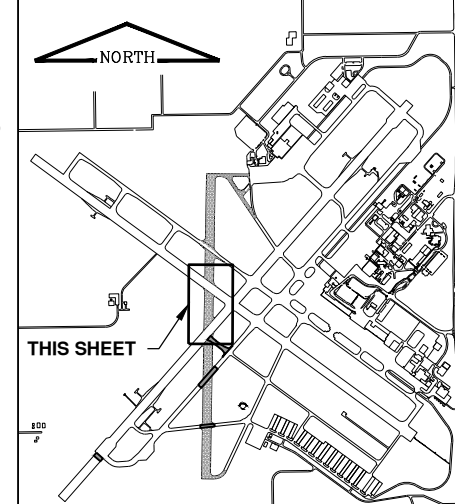
- LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE.
- THE CONTRACTOR SHALL VERIFY LAYOUT OF LIGHTS WITH THE R.E. PRIOR TO INSTALLING.
- LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE I.P., P.T., P.C., OR TAPER POINT.

**CIRCUIT LEGEND**

EXISTING	NEW	CIRCUIT
		R-1 (RWY 4/22)
		R-2 (RWY 13/31)
		T-8 (TXY A, H-WEST)
		T-6 (TXY B)
		T-1 (TXY C, H-EAST)
		T-5 (TXY G-EAST)
		T-4 (TXY G-WEST)
		TXY G HOMERUN
		HR
		1/C #8 5KV UG CABLE IN UD
		2/C #8 5KV UG CABLE IN UD
		1/C #8 5KV UG CABLE

**LEGEND**

EXISTING	NEW	
		SPLICE CAN
		TAXIWAY GUIDANCE SIGN
		TAXIWAY EDGE LIGHT - STAKE MOUNTED
		TAXIWAY EDGE LIGHT - BASE MOUNTED
		RUNWAY BASE MOUNTED EDGE LIGHT
		HANDHOLE
		4" - 4-WAY DUCT BANK
		IN-PAVEMENT LIGHT

**KEYMAP**


MARK	DATE	DESCRIPTION
AIP PROJ. NO: 3-17-0096-XX		CA021
IL PROJ. NO: SPI-4755		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH1-EL200.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: RLV		
COPYRIGHT:		

**SHEET TITLE**  
**CABLING PLAN 3**



License No. 184-000613

CONSULTANTS

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

LIGHT TABLE TAXIWAY H		
FIXTURE #	FIXTURE TYPE	HORIZONTAL CONTROL
TWY H - L1	MITL (LED)	TAXIWAY H STA 6+74.90 OFFSET -48.86 L
TWY H - L2	MITL (LED)	TAXIWAY H STA 6+88.43 OFFSET -38.84 L
TWY H - L3	MITL (LED)	TAXIWAY H STA 7+04.89 OFFSET -35.27 L
TWY H - L4	MITL (LED)	TAXIWAY H STA 7+61.34 OFFSET -35.20 L
TWY H - L5	MITL (LED)	TAXIWAY H STA 7+99.28 OFFSET -36.03 L
TWY H - L6	MITL (LED)	TAXIWAY H STA 8+37.61 OFFSET -44.89 L
TWY H - L7	MITL (LED)	TAXIWAY H STA 9+17.51 OFFSET -37.90 L
TWY H - L8	MITL (LED)	TAXIWAY H STA 9+56.58 OFFSET -33.25 L
TWY H - L9	MITL (LED)	TAXIWAY H STA 10+62.45 OFFSET -34.26 L
TWY H - L10	MITL (LED)	TAXIWAY H STA 11+12.45 OFFSET -34.26 L
TWY H - L11	MITL (LED)	TAXIWAY H STA 11+62.45 OFFSET -34.26 L
TWY H - L12	MITL (LED)	TAXIWAY H STA 13+64.53 OFFSET -44.92 L
TWY H - L13	MITL (LED)	TAXIWAY H STA 13+86.82 OFFSET -35.00 L
TWY H - L14	MITL (LED)	TAXIWAY H STA 15+59.17 OFFSET -35.00 L
TWY H - L15	MITL (LED)	TAXIWAY H STA 17+31.51 OFFSET -35.00 L
TWY H - L16	MITL (LED)	TAXIWAY H STA 19+03.85 OFFSET -35.00 L
TWY H - L17	MITL (LED)	TAXIWAY H STA 20+76.19 OFFSET -35.00 L
TWY H - L18	MITL (LED)	TAXIWAY H STA 22+48.53 OFFSET -35.00 L
TWY H - L19	MITL (LED)	TAXIWAY H STA 24+20.87 OFFSET -35.00 L
TWY H - L20	MITL (LED)	TAXIWAY H STA 25+93.22 OFFSET -35.00 L
TWY H - L21	MITL (LED)	TAXIWAY H STA 26+21.66 OFFSET -47.77 L
TWY H - L22	MITL (LED)	TAXIWAY H STA 27+73.57 OFFSET 55.77 R
TWY H - L23	MITL (LED)	TAXIWAY H STA 27+30.99 OFFSET 48.85 R

LIGHT TABLE TAXIWAY H		
FIXTURE #	FIXTURE TYPE	HORIZONTAL CONTROL
TWY H - L24	MITL (LED)	TAXIWAY H STA 26+88.42 OFFSET 41.92 R
TWY H - L25	MITL (LED)	TAXIWAY H STA 26+45.84 OFFSET 35.00 R
TWY H - L26	MITL (LED)	TAXIWAY H STA 25+93.22 OFFSET 35.00 R
TWY H - L27	MITL (LED)	TAXIWAY H STA 24+20.87 OFFSET 35.00 R
TWY H - L28	MITL (LED)	TAXIWAY H STA 22+48.53 OFFSET 35.00 R
TWY H - L29	MITL (LED)	TAXIWAY H STA 20+76.19 OFFSET 35.00 R
TWY H - L30	MITL (LED)	TAXIWAY H STA 19+03.85 OFFSET 35.00 R
TWY H - L31	MITL (LED)	TAXIWAY H STA 17+31.51 OFFSET 35.00 R
TWY H - L32	MITL (LED)	TAXIWAY H STA 15+59.17 OFFSET 35.00 R
TWY H - L33	MITL (LED)	TAXIWAY H STA 13+86.82 OFFSET 35.00 R
TWY H - L34	MITL (LED)	TAXIWAY H STA 12+97.40 OFFSET 35.00 R
TWY H - L35	MITL (LED)	TAXIWAY H STA 12+57.97 OFFSET 39.78 R
TWY H - L36	MITL (LED)	TAXIWAY H STA 12+20.83 OFFSET 53.84 R
TWY H - L37	MITL (LED)	TAXIWAY H STA 10+34.14 OFFSET 44.38 R
TWY H - L38	MITL (LED)	TAXIWAY H STA 10+13.70 OFFSET 36.47 R
TWY H - L39	MITL (LED)	TAXIWAY H STA 9+56.92 OFFSET 36.75 R
TWY H - L40	MITL (LED)	TAXIWAY H STA 9+08.70 OFFSET 31.88 R
TWY H - L41	MITL (LED)	TAXIWAY H STA 8+67.09 OFFSET 17.60 R
TWY H - L42	MITL (LED)	TAXIWAY H STA 8+30.64 OFFSET 29.78 R
TWY H - L43	MITL (LED)	TAXIWAY H STA 7+61.34 OFFSET 34.80 R
TWY H - L44	MITL (LED)	TAXIWAY H STA 7+06.39 OFFSET 34.73 R
TWY H - L45	MITL (LED)	TAXIWAY H STA 6+91.31 OFFSET 37.66 R
TWY H - L46	MITL (LED)	TAXIWAY H STA 6+78.44 OFFSET 46.06 R

LIGHT TABLE TAXIWAY Y		
FIXTURE #	FIXTURE TYPE	HORIZONTAL CONTROL
TWY Y - L1	MITL (LED)	TAXIWAY Y STA 4+68.97 OFFSET 57.03 R
TWY Y - L2	MITL (LED)	TAXIWAY Y STA 4+93.06 OFFSET 54.27 R
TWY Y - L3	MITL (LED)	TAXIWAY Y STA 5+17.15 OFFSET 51.51 R
TWY Y - L4	MITL (LED)	TAXIWAY Y STA 5+66.53 OFFSET 45.85 R
TWY Y - L5	MITL (LED)	TAXIWAY Y STA 6+15.90 OFFSET 40.19 R
TWY Y - L6	MITL (LED)	TAXIWAY Y STA 6+72.91 OFFSET 40.00 R
TWY Y - L7	MITL (LED)	TAXIWAY Y STA 7+18.41 OFFSET 46.36 R
TWY Y - L8	MITL (LED)	TAXIWAY Y STA 7+62.59 OFFSET 52.72 R
TWY Y - L9	MITL (LED)	TAXIWAY Y STA 7+96.89 OFFSET 57.65 R
TWY Y - L10	MITL (LED)	TAXIWAY Y STA 8+31.19 OFFSET 62.59 R
TWY Y - L11	MITL (LED)	TAXIWAY Y STA 8+34.95 OFFSET 97.07 R
TWY Y - L12	MITL (LED)	TAXIWAY Y STA 8+38.71 OFFSET 131.54 R

LIGHT TABLE TAXIWAY Y		
FIXTURE #	FIXTURE TYPE	HORIZONTAL CONTROL
TWY Y - L13	MITL (LED)	TAXIWAY Y STA 4+79.26 OFFSET -56.73 L
TWY Y - L14	MITL (LED)	TAXIWAY Y STA 5+01.10 OFFSET -54.06 L
TWY Y - L15	MITL (LED)	TAXIWAY Y STA 5+22.94 OFFSET -51.38 L
TWY Y - L16	MITL (LED)	TAXIWAY Y STA 5+69.42 OFFSET -45.69 L
TWY Y - L17	MITL (LED)	TAXIWAY Y STA 6+15.90 OFFSET -40.00 L
TWY Y - L18	MITL (LED)	TAXIWAY Y STA 6+72.91 OFFSET -40.00 L
TWY Y - L19	MITL (LED)	TAXIWAY Y STA 7+20.65 OFFSET -46.45 L
TWY Y - L20	MITL (LED)	TAXIWAY Y STA 7+68.38 OFFSET -52.90 L
TWY Y - L21	MITL (LED)	TAXIWAY Y STA 8+05.20 OFFSET -57.87 L
TWY Y - L22	MITL (LED)	TAXIWAY Y STA 8+42.03 OFFSET -62.85 L
TWY Y - L23	MITL (LED)	TAXIWAY Y STA 8+51.69 OFFSET -94.72 L
TWY Y - L24	MITL (LED)	TAXIWAY Y STA 8+61.35 OFFSET -126.60 L

LIGHT TABLE RUNWAY 4-22		
FIXTURE #	FIXTURE TYPE	HORIZONTAL CONTROL
RWY 4-22 - L1	FMRL	RUNWAY 4-22 STA 144+50.56 OFFSET -84.21 L
RWY 4-22 - L2	FMRL	RUNWAY 4-22 STA 142+50.64 OFFSET 85.59 R

LIGHT TABLE RUNWAY 13-31		
FIXTURE #	FIXTURE TYPE	HORIZONTAL CONTROL
RWY 13-31 - L1	FMRL	RUNWAY 13-31 STA 244+15.43 OFFSET -85.09 L
RWY 13-31 - L2	FMRL	RUNWAY 13-31 STA 246+10.82 OFFSET 85.14 R

LIGHT TABLE TAXIWAY A		
FIXTURE #	FIXTURE TYPE	HORIZONTAL CONTROL
TWY A - L1	MITL (LED)	TAXIWAY A STA 32+13.99 OFFSET -48.03 L
TWY A - L2	MITL (LED)	TAXIWAY A STA 33+94.34 OFFSET -48.03 L
TWY A - L3	MITL (LED)	TAXIWAY A STA 32+13.99 OFFSET 47.00 R
TWY A - L4	MITL (LED)	TAXIWAY A STA 33+94.34 OFFSET 47.03 R

-----  
JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



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


MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	<b>CA021</b>
IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-EL400.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE  
**LIGHTING SCHEDULE**

Path: K:\Springfield\Apl\180035-05\_Rwy\_18-36\DrawSheets\PHASE 1\18003505-PH1-EL400.dwg  
 Date: Thursday, June 25, 2020 6:56:29 PM

JUNE 29, 2020

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

OWNER


 SPRINGFIELD AIRPORT AUTHORITY  
 ABRAHAM LINCOLN CAPITAL AIRPORT  
 SPRINGFIELD, IL

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA021
IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-EL400.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
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SHEET TITLE

SIGNAGE SCHEDULE

## GUIDANCE SIGN SCHEDULE

SIGN #	SIDE	NEW SIGN LEGEND	WHITE WITH BLACK OUTLINE ON RED BACKGROUND (L-858R)	BLACK LEGEND ON YELLOW BACKGROUND (L-858Y)	YELLOW LEGEND ON BLACK BACKGROUND (L-858L)	NUMBER OF CHARACTERS	POWER CIRCUIT	SIGN TYPE	SIGN SIZE	SIGN STYLE	SIGN CLASS	SIGN MODE
GS- 12	NE	A			A	4	TXY A	L-858	2	2	2	2
	SW	A ← Y →		← Y →	A		CKT T-7					
GS- 13	NW	Y			Y	4	TXY A	L-858	2	2	2	2
	SE	Y ← A →		← A →	Y		CKT T-7					
GS- 14	NW	Y ← A →			Y	4	TXY A	L-858	2	2	2	2
	SE						CKT T-7					
GS- 15	NE	A ← Y →			A	4	TXY A	L-858	2	2	2	2
	SW	A			A		CKT T-7					
GS- 16	NE					2	TXY A	L-858	2	2	2	2
	SW	Y →		Y →			CKT T-7					
GS- 17	NW	===== Y		=====	Y	5	RWY 4-22	L-858	2	3	2	2
	SE	Y 4 - 2 2	4 - 2 2	== == ==	Y		CKT R-1					
GS- 18	NE	← Y				2	TXY A	L-858	2	2	2	2
	SW						CKT T-7					
GS- 19	E	4 ↑				3	TXY H	L-858	2	2	2	2
	W	↖ C H		↖ C	H		CKT T-1					
GS- 20	E	↖ H C →				4	TXY C	L-858	2	2	2	2
	W						CKT T-1					
GS- 21	NE	C H ↗			C	3	TXY C	L-858	2	2	2	2
	SW						CKT T-1					
GS- 22	NE					5	RWY 13-31	L-858	2	3	2	2
	SW	1 3 - 3 1	1 3 - 3 1				CKT R-2					
GS- 23	NW	2 2 - 4	2 2 - 4			4	RWY 4-22	L-858	2	3	2	2
	SE						CKT R-1					
GS- 24	NW	2 2 - 4	2 2 - 4			4	RWY 4-22	L-858	2	3	2	2
	SE						CKT R-1					
GS- 25	NE					5	RWY 13-31	L-858	2	3	2	2
	SW	1 3 - 3 1	1 3 - 3 1				CKT R-2					

 NOTE:  
 CONTRACTOR SHALL CONFIRM OUTPUT OF EXISTING REGULATORS (6.6A OR 20A) PRIOR TO ORDERING EQUIPMENT.

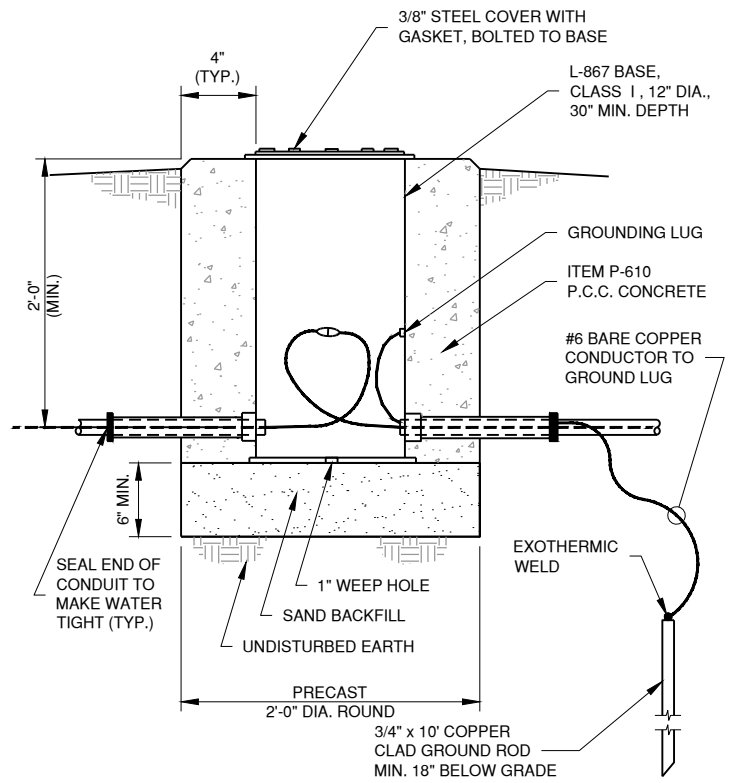
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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER  
  
SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	CA021
IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-EL500.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

SHEET TITLE  
**ELECTRICAL DETAILS**  
**1**

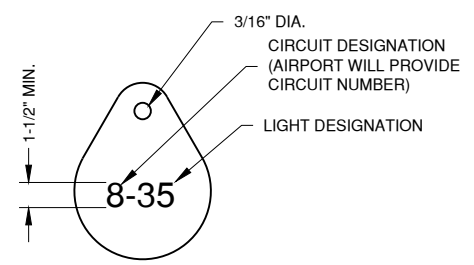


**3** SPLICE CAN  
N.T.S.

**6** LOCATION OF COUNTERPOISE (DUCT BANK)  
N.T.S.

**COUNTERPOISE NOTES**

1. THE HEIGHT ABOVE THE CABLE AND/OR CONDUIT IS CALCULATED TO ENSURE THE CABLES AND/OR CONDUITS TO BE PROTECTED ARE WITHIN THE 45° ZONE OF PROTECTION BELOW THE COUNTERPOISE.
2. COUNTERPOISE WIRES MUST BE INSTALLED ABOVE MULTIPLE CONDUITS/DUCT BANKS FOR AIRFIELD LIGHTING CABLES, WITH THE INTENT BEING TO PROVIDE A COMPLETE CONE OF PROTECTION OVER THE AIRFIELD LIGHTING CABLES. WHEN MULTIPLE CONDUITS AND/OR DUCT BANKS FOR AIRFIELD CABLE ARE INSTALLED IN THE SAME TRENCH, THE NUMBER AND LOCATION OF THE COUNTERPOISE WIRES ABOVE THE CONDUITS SHALL BE ADEQUATE TO PROVIDE A COMPLETE ZONE OF PROTECTION MEASURED 22-1/2" EACH SIDE OF VERTICAL.
3. REFER TO THE CURRENT VERSIONS OF FAA AC 150/5340-30 AND AC 150/5370-10 FOR MORE DETAILS ON COUNTERPOISE INSTALLATION.



**2** LIGHT IDENTIFICATION TAG  
N.T.S.

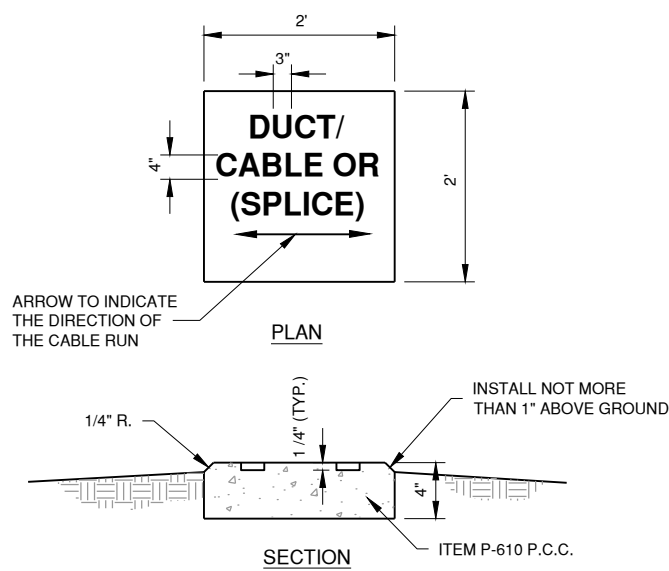
**LIGHT IDENTIFICATION NOTES**

1. INSTALL A NON-CORROSIVE 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.

**5** COUNTERPOISE LOCATION DETAIL  
N.T.S.

**CABLE TRENCH NOTES**

1. #6 BARE COUNTERPOISE WITH 3/4" x 10" GROUND ROD INSTALLED AT MAX. 500' SPACING. ALSO USE GROUND ROD TO TERMINATE THE COUNTERPOISE AT BOTH ENDS OF DUCT. GROUND RODS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.



**1** TURF CABLE / DUCT / SPLICE MARKER  
N.T.S.

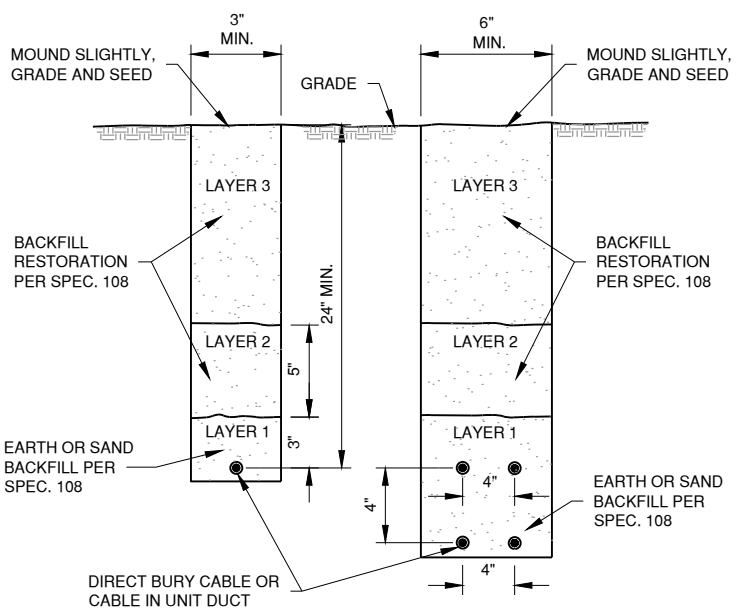
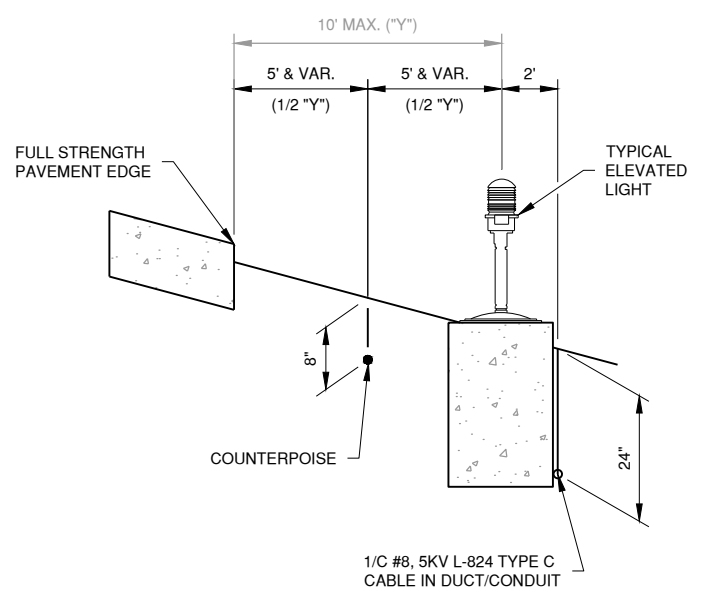
**MARKER NOTES**

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

**4** CABLE TRENCH DETAIL  
N.T.S.

**CABLE TRENCH NOTES**

1. CABLES SHALL NOT BE PLACED LESS THAN 24" DEEP IN ANY ONE TRENCH UNLESS PERMITTED BY ENGINEER.
2. WHERE PERMITTED, CONTRACTOR MAY INSTALL CABLE IN UNIT DUCT BY PLOWING METHOD.



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Date: Thursday, June 25, 2020 6:58:41 PM

JUNE 29, 2020

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

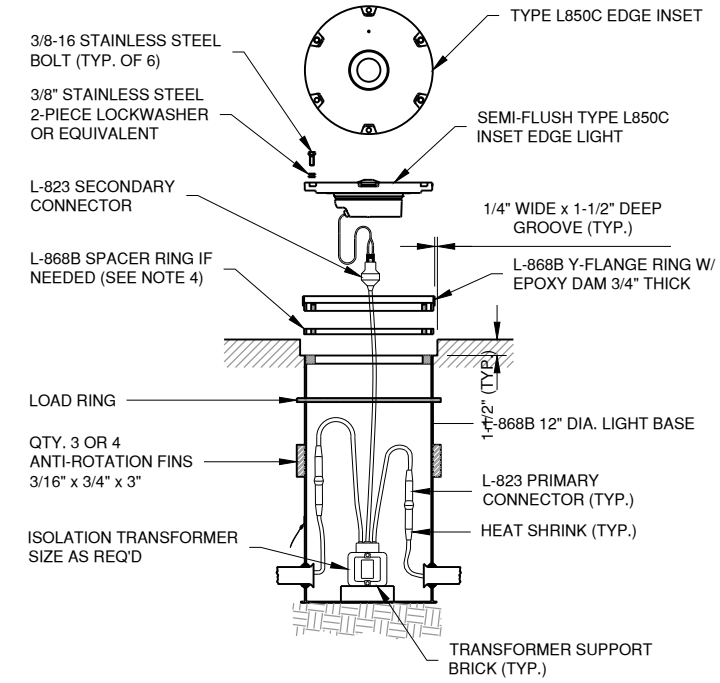
OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO: 3-17-0096-XX		CA021
IL PROJ. NO: SPI-4755		
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ELECTRICAL DETAILS  
2

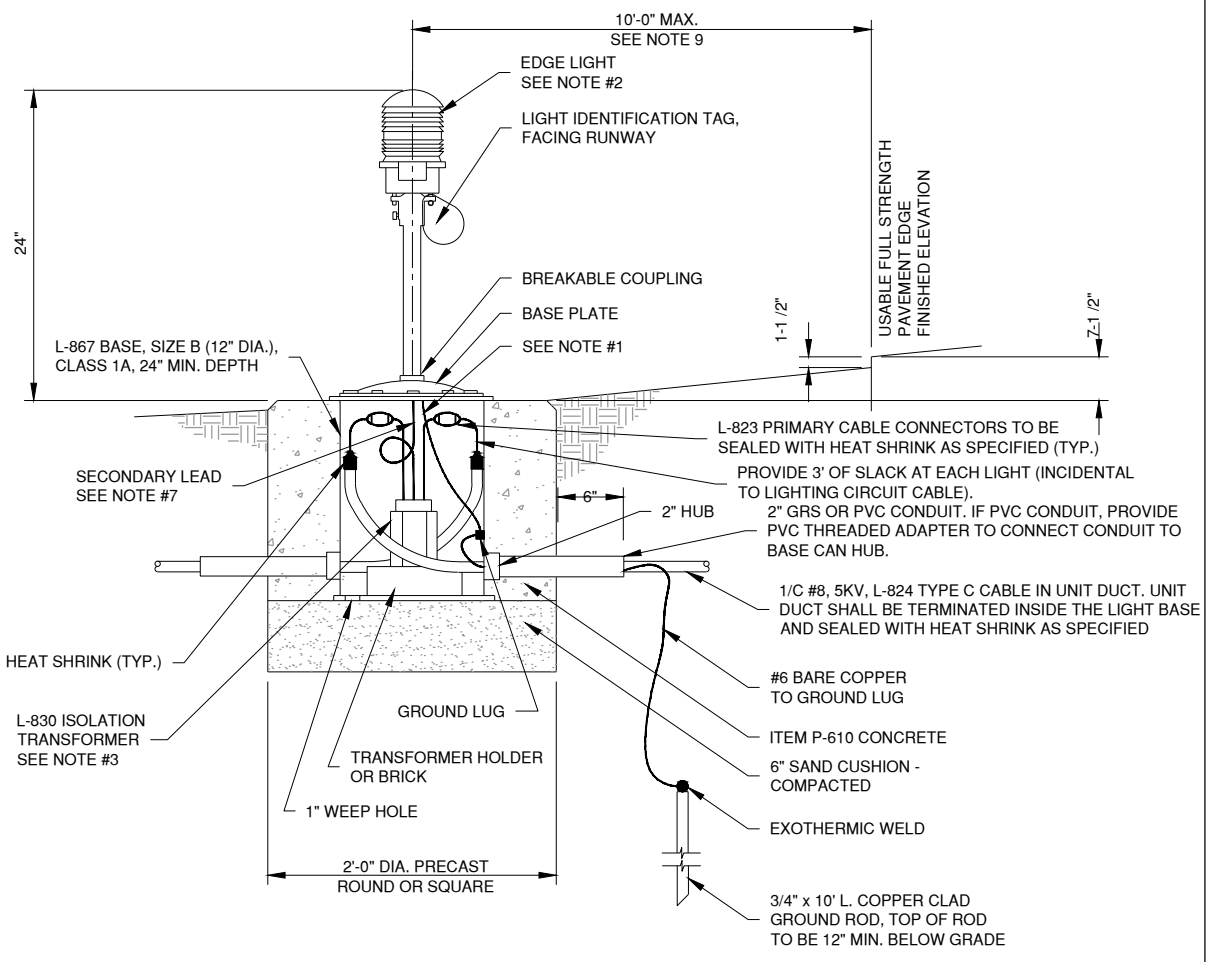


2 IN-PAVEMENT EDGE LIGHT DETAIL  
N.T.S.

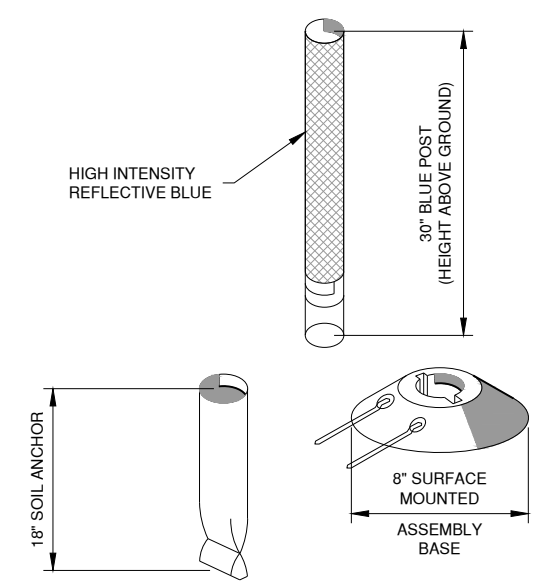
- IN-PAVEMENT LIGHT DETAIL NOTES:**
1. LIGHT BASES SHALL BE INSTALLED WITH CARE TO ASSURE VERTICAL & AZIMUTH ALIGNMENT OF FIXTURE. SEE PAVEMENT OR CAN DETAIL FOR CONCRETE REQUIREMENTS.
  2. PROVIDE 3" CABLE SLACK WITHIN LIGHT BASE TO ALLOW TRANSFORMER SERVICING.
  3. BOLTS AND WASHERS USED DURING INSTALLATION OF BASE, CABLE AND TRANSFORMERS SHALL BE REPLACED WITH NEW FOR FINAL BASE IS 0.5".
  4. AS REQUIRED TO MAINTAIN +0/-1/16" BELOW GRADE FAA INSTALLATION TOLERANCE. A MAXIMUM OF THREE SPACER RINGS MAY BE STACKED TOGETHER.

IN-PAVEMENT 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.
2. LIGHT FIXTURES SHALL BE L-861, L-861E, AS INDICATED ON THE PLANS AND SPECIFICATIONS. ALL NEW LIGHTS SHALL BE LED.
3. L-830 ISOLATION TRANSFORMERS FOR LED EDGE LIGHTS WITH ARCTIC KITS SHALL BE L-830-1 30/45 WATT.
4. THE TOLERANCE FOR THE HEIGHT OF RUNWAY/TAXIWAY EDGE LIGHTS MUST BE ± 1 INCH. THE TOLERANCE FOR THE LATERAL SPACING (LIGHT LANE TO RUNWAY/TAXIWAY CENTERLINE) OF RUNWAY/TAXIWAY EDGE LIGHTS MUST BE ± 1 INCH.
5. DIRECTION OF PRIMARY CABLES MUST BE IDENTIFIED BY COLOR CODING AS FOLLOWS: WHEN FACING LIGHT WITH BACK FACING PAVEMENT, CABLE TO THE LEFT IS CODED RED AND CABLE TO THE RIGHT IS CODED BLUE.
6. APPLY A CORROSION INHIBITING, ANTI-SEIZE COMPOUND TO ALL SCREWS, NUTS AND FRANGIBLE COUPLING THREADS. IF COATED BOLTS ARE USED PER ENGINEERING BRIEF #83, DO NOT APPLY ANTI-SEIZE COMPOUND.
7. ELECTRICAL INSULATING GREASE MUST BE APPLIED WITHIN THE L-830 ISOLATION TRANSFORMER SECONDARY TWO CONDUCTOR CONNECTORS TO PREVENT WATER ENTRANCE. THE CONNECTORS MUST NOT BE TAPED.
8. ENTRANCES IN L-867 BASES MUST BE PLUGGED FROM THE INSIDE WITH DUCT SEAL TO MAKE WATERTIGHT.
9. EDGE LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE.



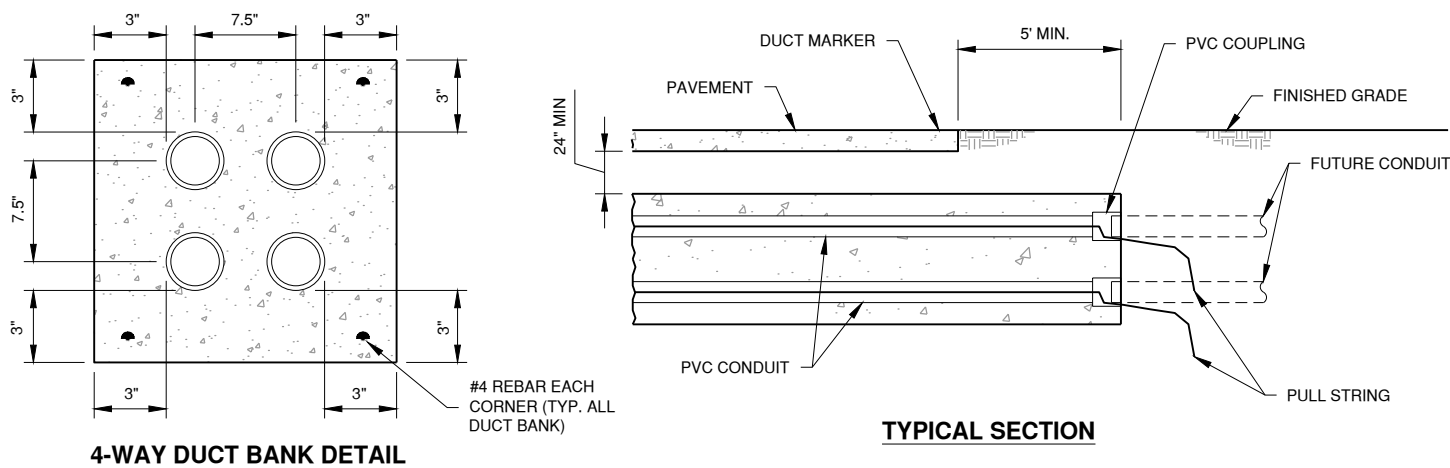
1 L-861 (T) BASE MOUNTED TAXIWAY EDGE LIGHT  
N.T.S.



3 ELEVATED RETRO-REFLECTIVE MARKER  
N.T.S.

RETRO-REFLECTIVE MARKER NOTES

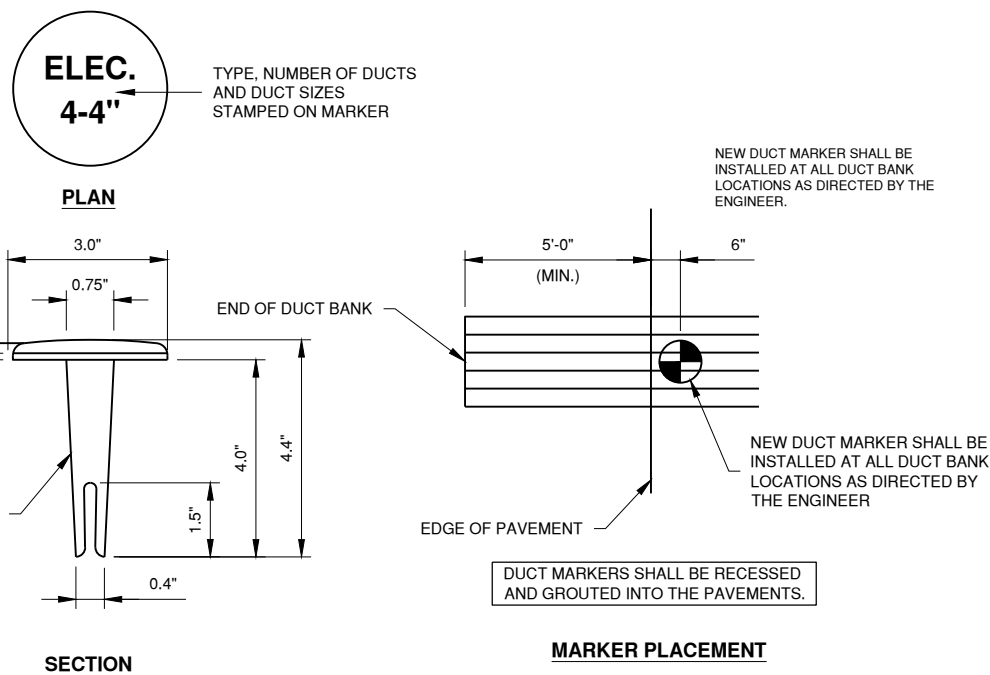
1. RETROREFLECTIVE MARKER SHALL MET FAA AC 150/5345-39D AIRFIELD LIGHTING EQUIPMENT CERTIFICATION PROGRAM



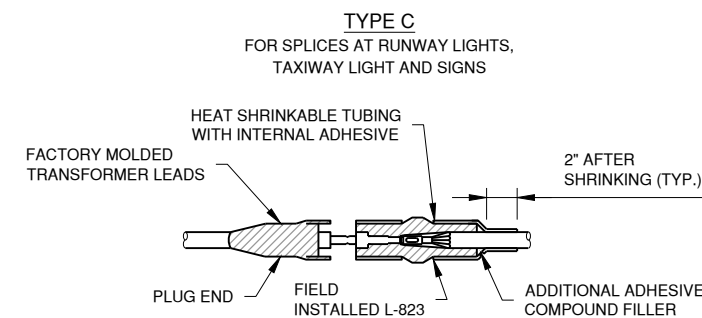
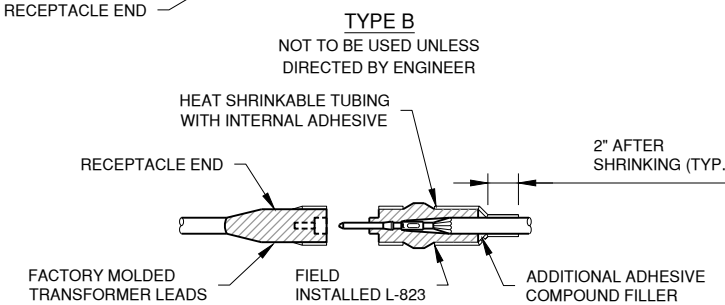
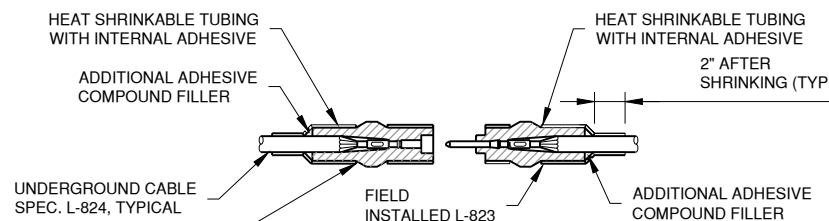
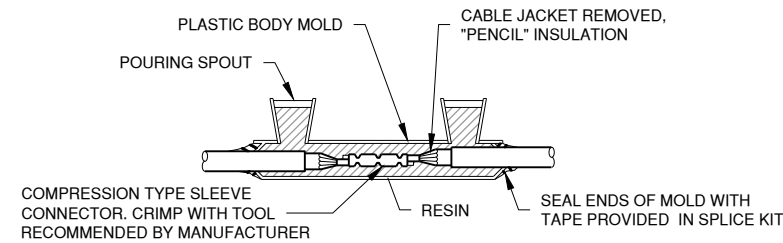
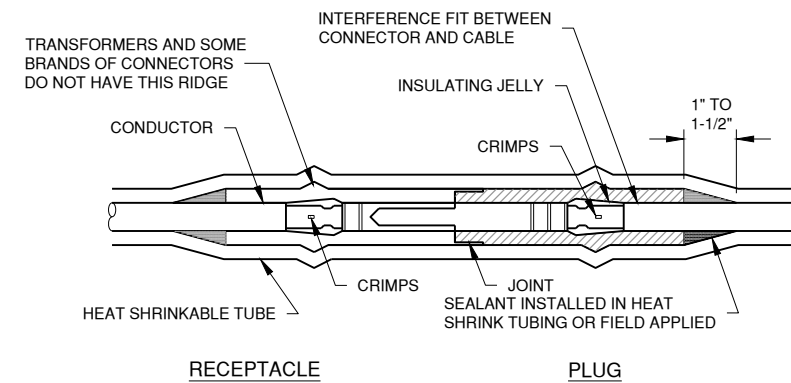
**1 DUCT BANK DETAIL**  
N.T.S.

**DUCT BANK NOTES**

1. DIMENSIONS SHOWN ARE MINIMUM.
2. TOP OF CONCRETE ENCASEMENT SHALL BE NOT LESS THAN 24" BELOW FINISHED SUBGRADE BELOW PAVEMENTS AND NOT LESS THAN 24" BELOW FINISHED GRADE IN UNPAVED AREAS, EXCEPT WHERE DIRECTED OTHERWISE BY ENGINEER. AVOID ALL CONFLICTS WITH OTHER UTILITIES (UNDERDRAINS, WATER LINES, SEWER LINES, TELEPHONE, ELECTRICAL) OR OTHER OBSTACLES, ADJUSTING DEPTH AS NECESSARY.
3. CONCRETE SHALL BE ITEM P-610.
4. CONDUIT FOR CONCRETE ENCASEMENT SHALL BE SCHEDULE 40 PVC, 4" NOMINAL DIAMETER, OR AS INDICATED ON THE PLANS.
5. CONCRETE ENCASEMENT SHALL EXTEND A MINIMUM OF 5'-0" BEYOND EDGES OF PAVEMENT, OR AS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
6. #4 REBAR SHALL BE INSTALLED CONTINUOUS THE LENGTH OF THE CONCRETE ENCASEMENT.
7. DUCT BANK SHALL BE STACKED NO MORE THAN THREE CONDUITS HIGH UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
8. AT ENDS OF DUCT BANKS, INSTALL A PVC COUPLING FLUSH WITH END OF CONCRETE FOR CONNECTING FUTURE CONDUIT. INSTALL POLYETHELENE PULL STRING, GREENLEE, OR EQUIVALENT. PLUG THE ENDS OF UNUSED SPARE CONDUITS WITH WOODEN PLUGS.
9. HIGH VOLTAGE WIRING, RUNWAY & TAXIWAY SERIES CIRCUIT WIRING, ETC., AND POWER WIRING OVER 480V SHALL BE INSTALLED IN SEPARATE CONDUITS FROM LOW VOLTAGE WIRING, 480V OR LESS.
10. IF POSSIBLE, INSTALL FIBER OPTIC CABLES AND COMMUNICATION CABLES (FAA, ETC.) IN THEIR OWN CONDUITS; OTHERWISE, INSTALL THEM IN THE CONDUITS WITH LOW VOLTAGE WIRING.
11. DEPTH AS REQUIRED TO NOT IMPACT EDGE DRAIN.



**2 DUCT MARKER DETAIL**  
N.T.S.



**3 CABLE PROTECTION DETAIL**  
N.T.S.

**NOTES**

1. MATCH THE OUTSIDE DIAMETER OF CABLE INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY
2. WRAP WITH AT LEAST ONE LAYER OF RUBBER OR TAPE, ONE-HALF LAPPED, EXTENDING AT LEAST 1-1/2 INCHES ON EACH SIDE OF JOINT.

JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



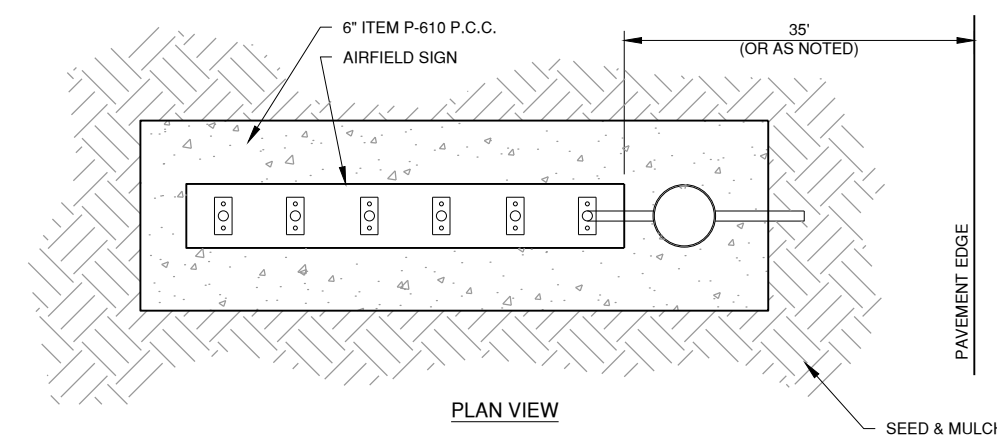
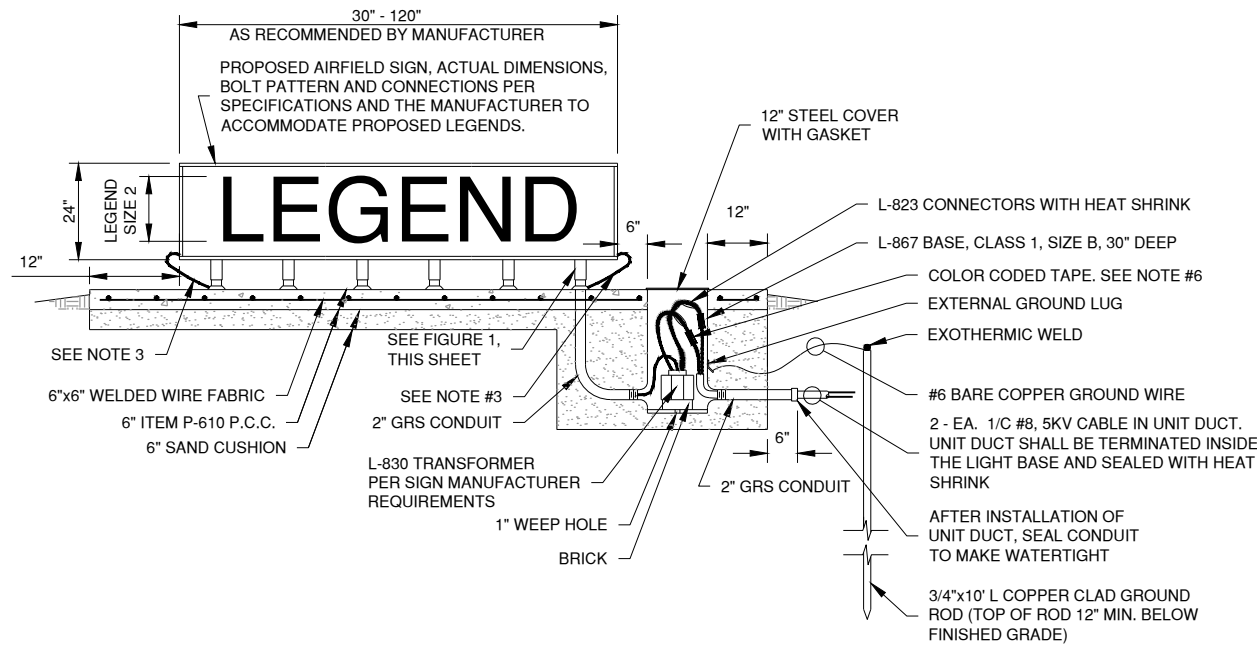
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ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL**

MARK	DATE	DESCRIPTION

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IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-EL500.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

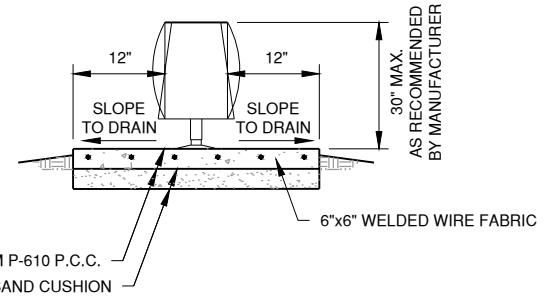
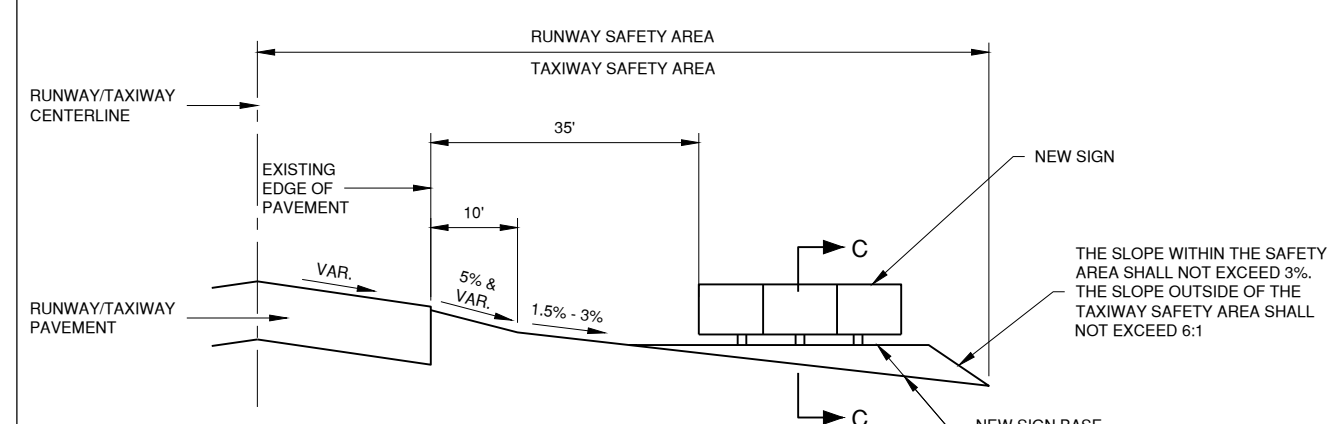
SHEET TITLE  
**ELECTRICAL DETAILS**  
**3**

SHEET **62** OF **95**  
EL503



1 L-858 AIRFIELD SIGN DETAIL  
N.T.S.

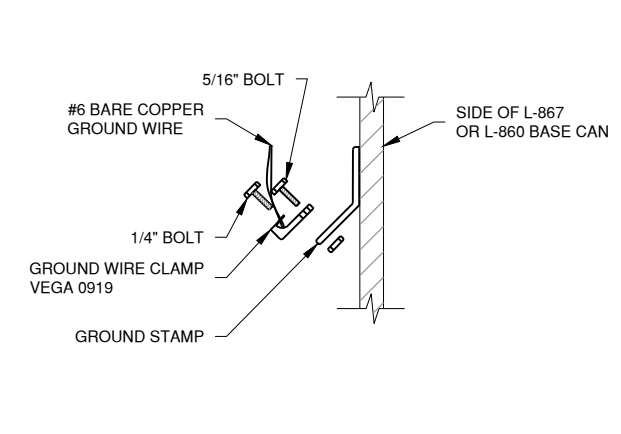
2 SIGN LOCATION DETAIL  
N.T.S.



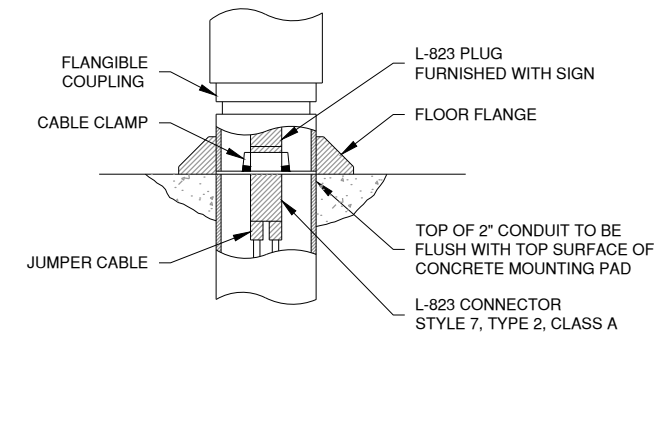
3 MOUNTED SIGN BASE DETAIL  
N.T.S.

- SIGN NOTES**
- SLOPES SHOWN ARE FROM FAA STANDARDS AND MAY NOT REFLECT THE ACTUAL GRADES IN THE FIELD
  - ESTIMATED 1 C.Y. OF EMBANKMENT MAY BE REQUIRED TO CONSTRUCT SIGN BASE FOUNDATION. COSTS TO CONSTRUCT SHALL BE INCIDENTAL TO SIGN PAY ITEM.
  - ACTUAL LOCATION OF THE SIGN WITHIN THE TAXIWAY SAFETY AREA WILL VARY DUE TO PAVEMENT WIDTHS AND VARIANCES IN SIGN FOUNDATION LENGTHS.
  - 4" OF KNITTED STRAW MAT SHALL BE PLACED AROUND THE PROTECTION APRON. COST FOR MAT SHALL BE INCIDENTAL TO SIGN PAY ITEM.

4 FACTORY GROUND LUG DETAIL  
N.T.S.



5 ELECTRICAL CONNECTION  
N.T.S.  
FIGURE 1



**AIRFIELD SIGN NOTES**

- TRANSFORMER WATTAGE SHALL BE AS REQUIRED BY SIGN MANUFACTURER. SIGNS ON RUNWAY CIRCUITS SHALL BE STYLE 2 OR 3 DEPENDING ON REGULATOR.
- SIGN LEGEND SHALL BE AS SHOWN IN THE PLANS. SIGN SCHEDULE IS SUBJECT TO FAA APPROVAL OF THE SIGNAGE PLAN. CHANGES TO NEW LEGENDS MAY OCCUR DURING CONSTRUCTION.
- SIGN ANCHOR TETHERS AND GROUND WIRES ARE REQUIRED. SEE SPECIFICATIONS.
- SIGNS SHALL BE SIZE 2, STYLE 2 OR 3, CLASS 2, AND MODE 2. SEE SIGN SCHEDULE FOR DETAILS
- LIGHT I.D. TAG FOR SIGN SHALL INCLUDE SIGN DESIGNATOR SHOWN IN THE PLAN TABLES.
- DIRECTION OF PRIMARY CABLES MUST BE IDENTIFIED BY COLOR CODING AS FOLLOWS: WHEN FACING SIGN IN BACK FACING THE RELATED RUNWAY OR TAXIWAY PAVEMENT, THE CABLE FOR THE CIRCUIT TO THE LEFT IS CODED RED AND CABLE FOR THE CIRCUIT TO THE RIGHT IS CODED BLUE.

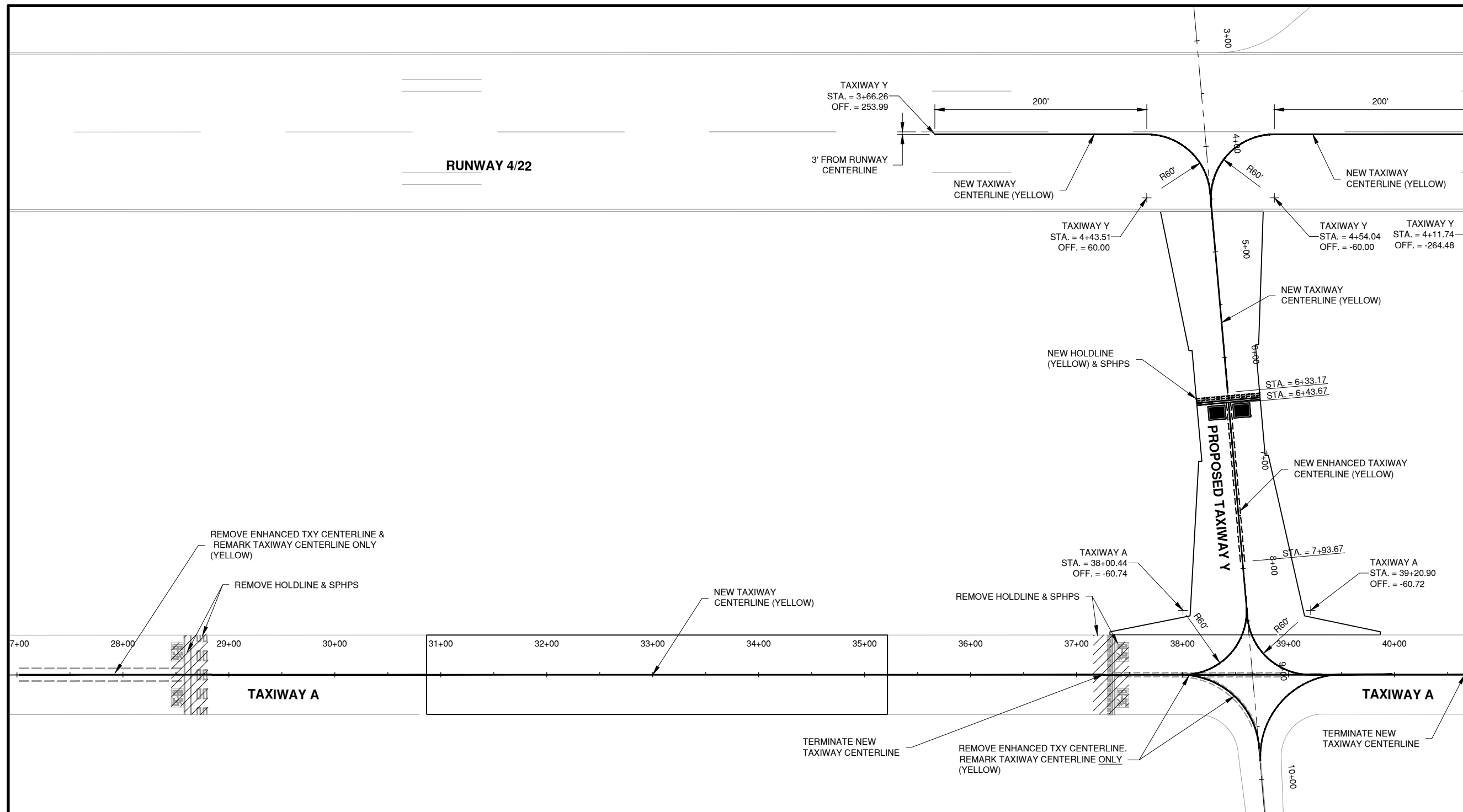
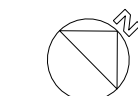
OWNER

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

MARK	DATE	DESCRIPTION
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IL PROJ. NO: SPI-4755		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH1-EL500.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
APPROVED BY: RLV		
COPYRIGHT:		

SHEET TITLE  
**ELECTRICAL DETAILS**  
4

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JUNE 29, 2020

## RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

OWNER

SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

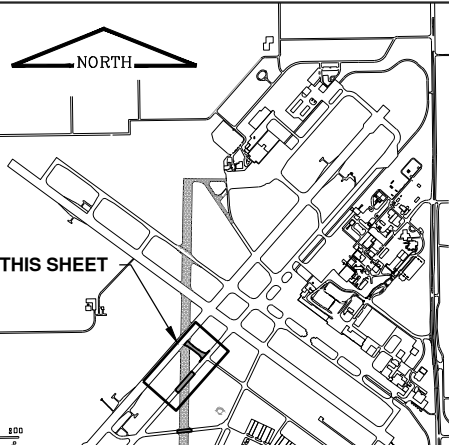
## NOTES

1. MARKING LOCATIONS SHOWN FOR REFERENCE ONLY. NEW MARKINGS SHALL BE AT THE LOCATION OF EXISTING MARKINGS IN THE FIELD, PROVIDED THE EXISTING LOCATIONS CONFORM TO THE DIMENSIONS SHOWN ON THE THE DETAIL PROVIDED.
2. MARKING SHALL BE APPLIED AFTER ALL PAVING IS COMPLETE.
3. REFER TO CONSTRUCTION ACTIVITY PLAN FOR PHASED REMOVAL OF PAVEMENT MARKINGS.

## LEGEND

- PROPOSED TAXIWAY CENTERLINE MARKING
- PROPOSED ENHANCED TAXIWAY CENTERLINE
- PROPOSED HOLDING POSITION MARKING
- REMOVE EXISTING MARKING
- EXISTING MARKING
- PROPOSED SURFACE PAINTED HOLD POSITION SIGN (SPHPS)

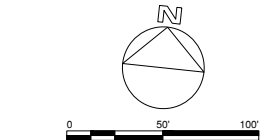
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CMT PROJECT NO. 180035-05		
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DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: MJD		
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SHEET TITLE  
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Date: Thursday, June 25, 2020 6:59:09 PM





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

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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

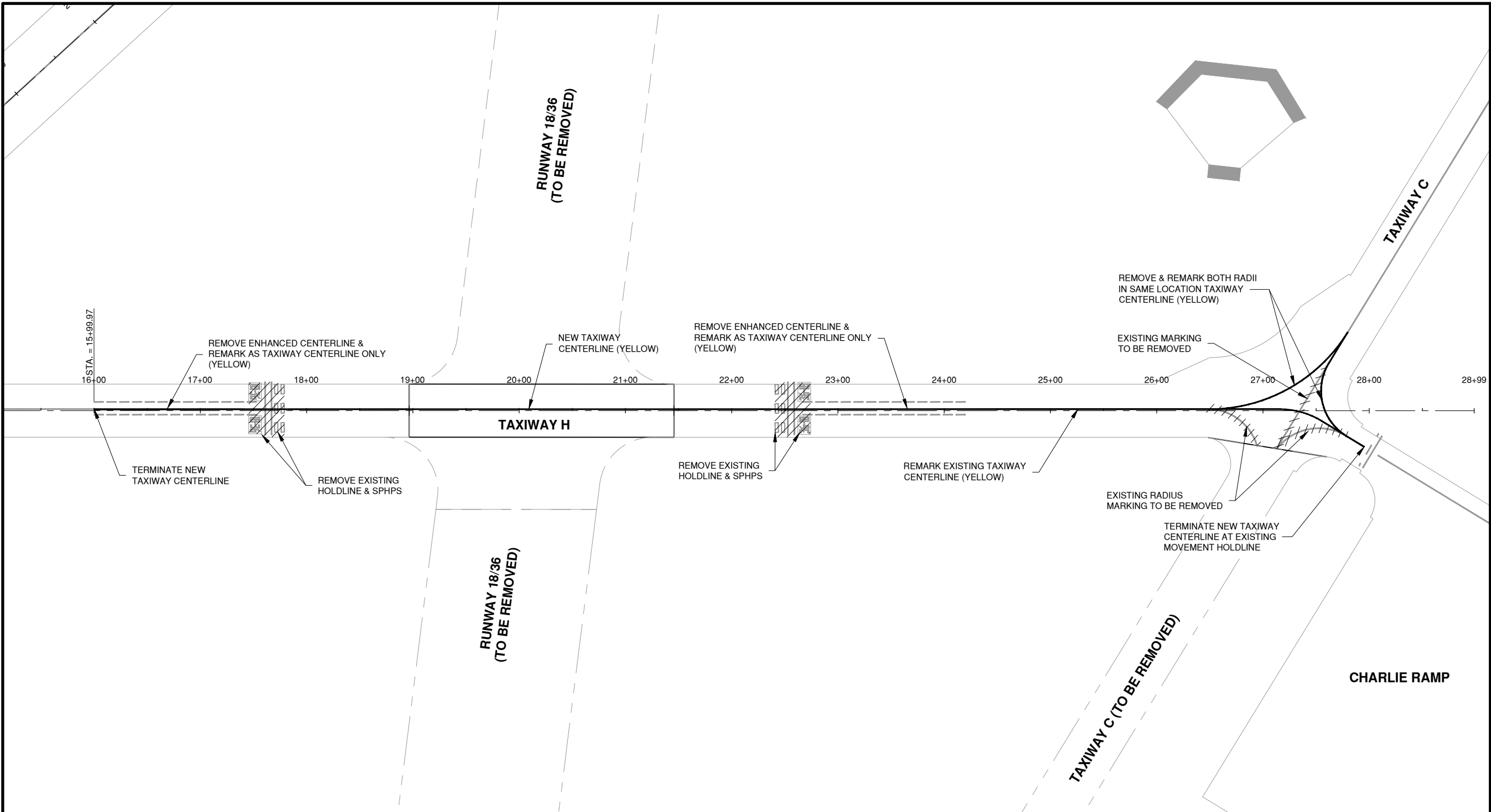
OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
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DESIGNED BY: HWI		
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APPROVED BY: RLV		
COPYRIGHT:		

SHEET TITLE  
**PAVEMENT MARKING PLAN 2**



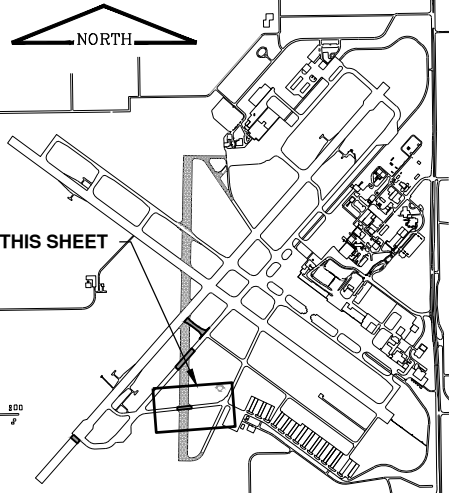
**NOTES**

- MARKING LOCATIONS SHOWN FOR REFERENCE ONLY. NEW MARKINGS SHALL BE AT THE LOCATION OF EXISTING MARKINGS IN THE FIELD, PROVIDED THE EXISTING LOCATIONS CONFORM TO THE DIMENSIONS SHOWN ON THE THE DETAIL PROVIDED.
- MARKING SHALL BE APPLIED AFTER ALL PAVING IS COMPLETE.
- REFER TO CONSTRUCTION ACTIVITY PLAN FOR PHASED REMOVAL OF PAVEMENT MARKINGS.

**LEGEND**

- PROPOSED TAXIWAY CENTERLINE MARKING
- PROPOSED ENHANCED TAXIWAY CENTERLINE
- PROPOSED HOLDING POSITION MARKING
- REMOVE EXISTING MARKING
- EXISTING MARKING
- PROPOSED SURFACE PAINTED HOLD POSITION SIGN (SPHPS)

**KEYMAP**



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JUNE 29, 2020

RUNWAY 18/36 REMOVAL AND  
ASSOCIATED IMPROVEMENTS,  
PHASE 1

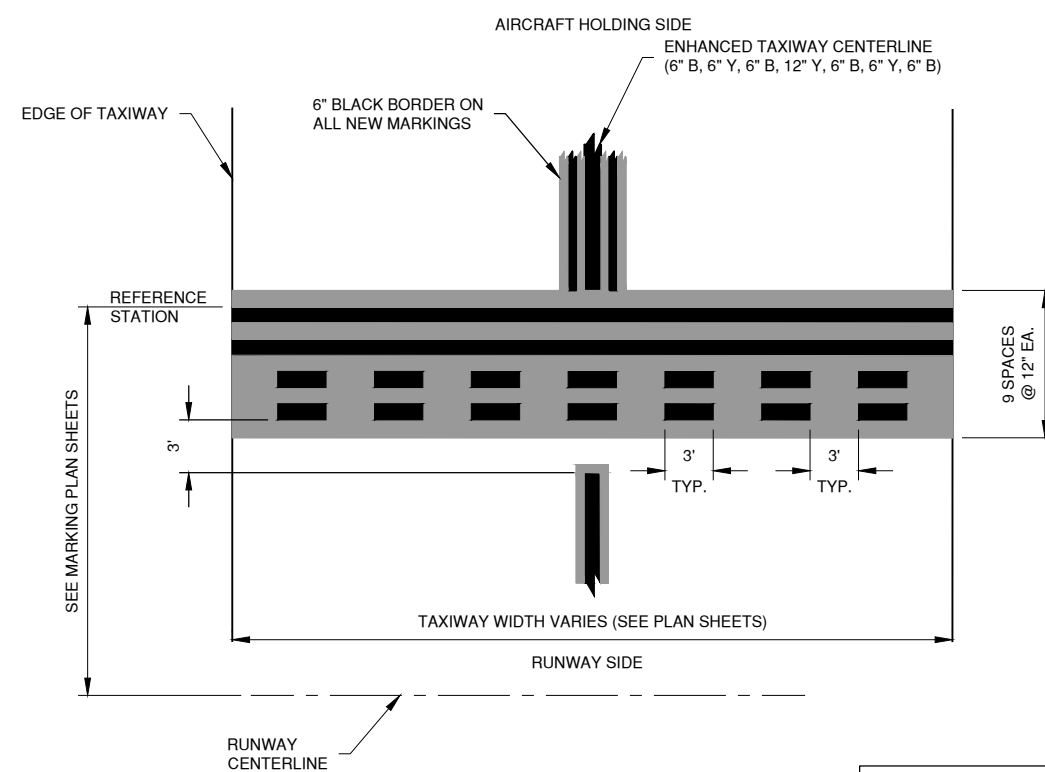
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AUTHORITY  
ABRAHAM LINCOLN CAPITAL  
AIRPORT  
SPRINGFIELD, IL

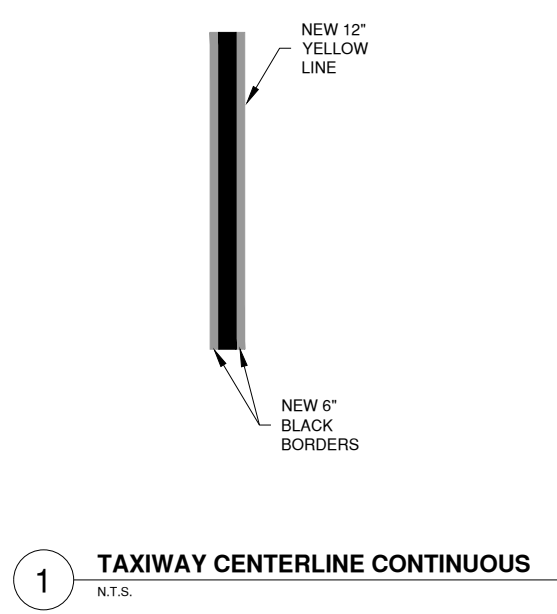
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DESIGNED BY: HWI		
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SHEET TITLE  
**PAVEMENT MARKING  
DETAILS 1**

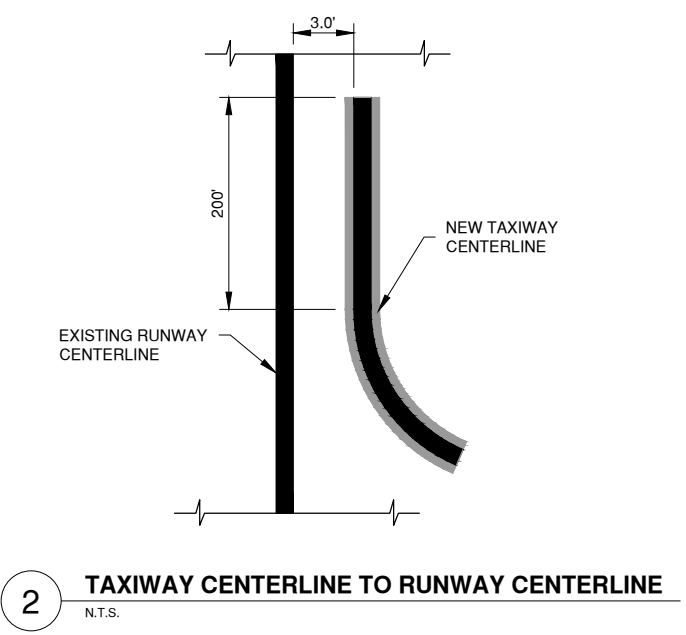


**3 HOLD POSITION MARKING**  
N.T.S.

**HOLD POSITION NOTE**  
1. ON TAXIWAYS WITHOUT SHOULDER OR EDGE MARKING, CONTINUE INTERMITTENT DASH UNTIL EDGE OF PAVEMENT, FINAL DASH NOT TO EXCEED 3' IN LENGTH.

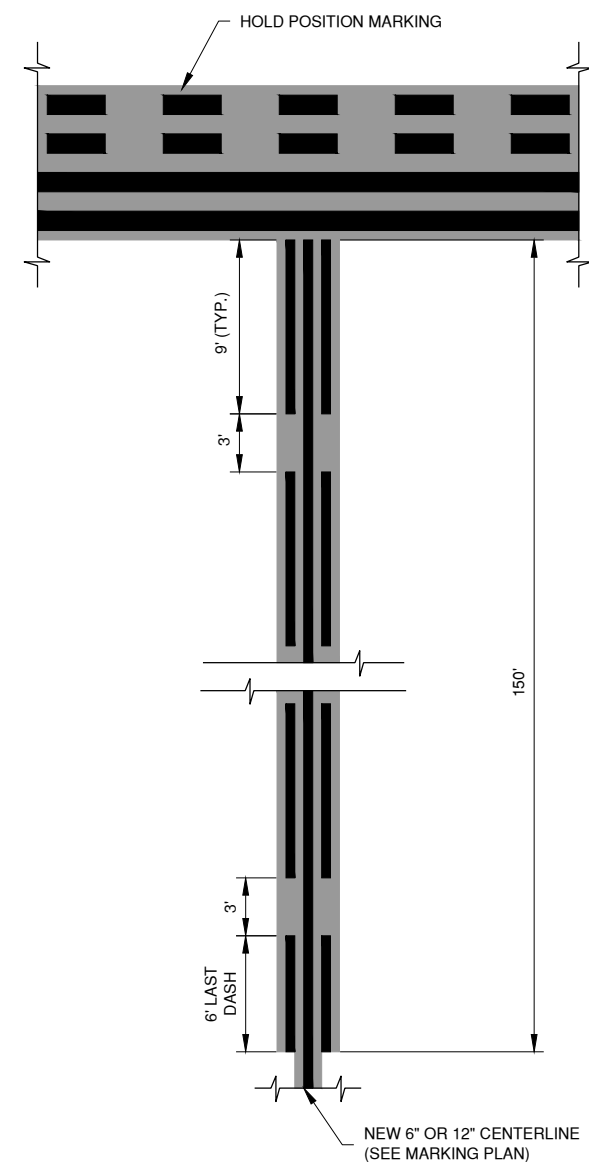


**1 TAXIWAY CENTERLINE CONTINUOUS**  
N.T.S.



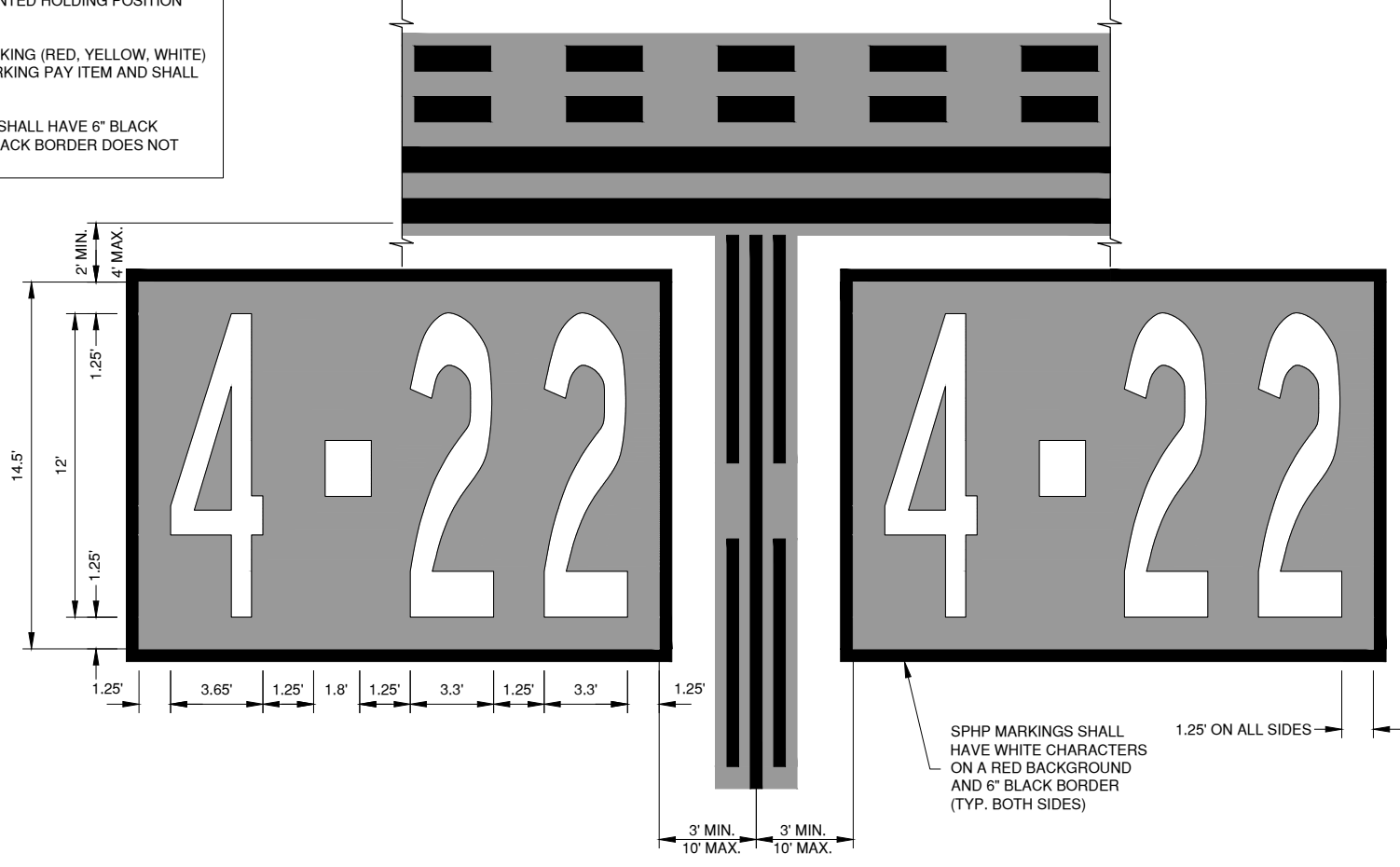
**2 TAXIWAY CENTERLINE TO RUNWAY CENTERLINE**  
N.T.S.

- NOTES:**
1. THE DASH USED WITH 12' TALL NUMBERS AND LETTERS SHALL BE 2.1' TALL AND 1.8' WIDE.
  2. THE DIMENSIONING OF NUMBERS AND LETTERS SHALL CONFORM IN STYLE AND APPEARANCE TO THOSE USED IN APPENDIX 1 OF THE FAA AIRPORT ADVISORY CIRCULAR 150/5340-IM.
  3. ON A CURVED TAXIWAY, THE MARKING SHALL REMAIN PARALLEL TO THE HOLD LINE MARKING.
  4. THE SURFACE PAINTED HOLDING POSITION MARKING SHALL BE 3' TO 10' FROM THE CENTER OF THE CENTERLINE AND AT LEAST 2' FROM THE EDGE OF THE TAXIWAY. THESE SHALL BE MEASURED TO THE CLOSEST CORNER OF THE SURFACE PAINTED HOLDING POSITION MARKING.
  5. ALL NEW WATER BORNE PAVEMENT MARKING (RED, YELLOW, WHITE) WILL BE PAID UNDER WATERBORNE MARKING PAY ITEM AND SHALL HAVE REFLECTIVE BEADS.
  6. ALL NEW AIRFIELD PAVEMENT MARKING SHALL HAVE 6" BLACK BORDER UNLESS OTHERWISE NOTED. BLACK BORDER DOES NOT RECEIVE REFLECTIVE BEADS.



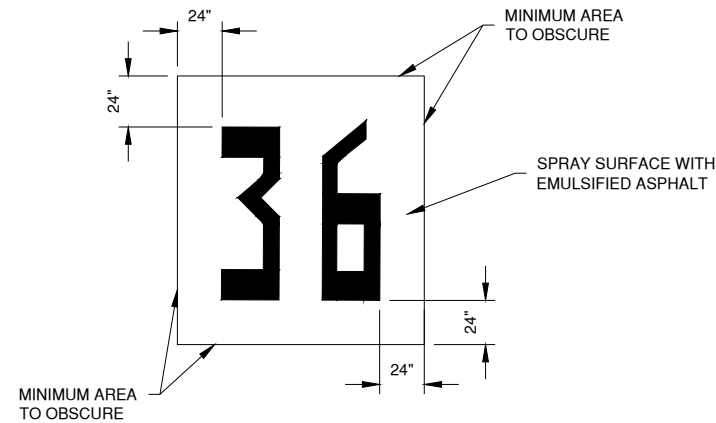
**4 ENHANCED TAXIWAY CENTERLINE**  
N.T.S.

**ENHANCED TXY CENTERLINE NOTE**  
1. REGARDLESS OF CENTERLINE WIDTH, THE DASHED LINES PROVIDED BY THE ENHANCEMENTS WILL ALWAYS BE 6" IN WIDTH.



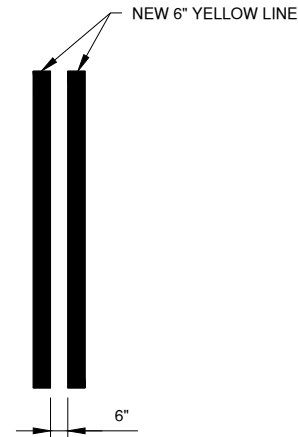
**5 SURFACE PAINTED HOLD POSITION SIGN (SPHPS)**  
N.T.S.

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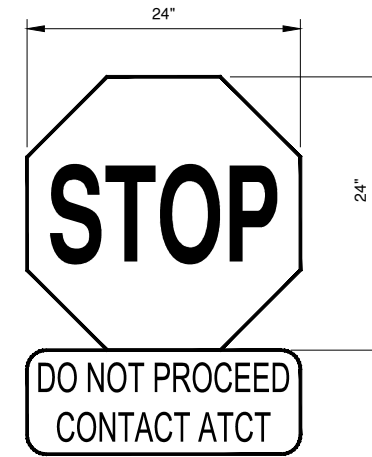


**1** OBSCURE RUNWAY DESIGNATION  
N.T.S.

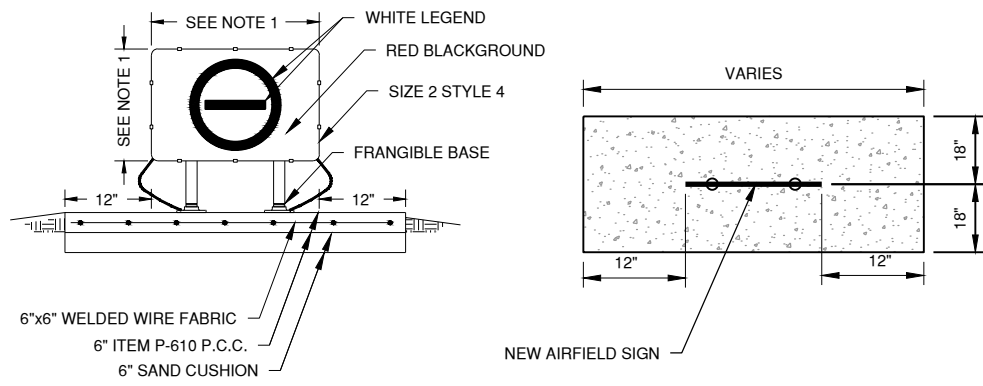
**NOTE:**  
NUMERALS SHALL BE COMPLETELY COVERED AND INVISIBLE



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



**3** ROADWAY SIGN LEGEND  
N.T.S.



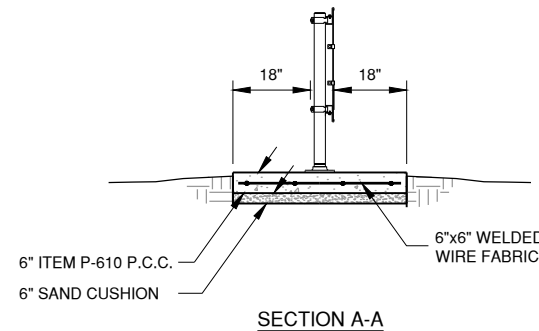
**FRONT VIEW**

**PLAN VIEW**

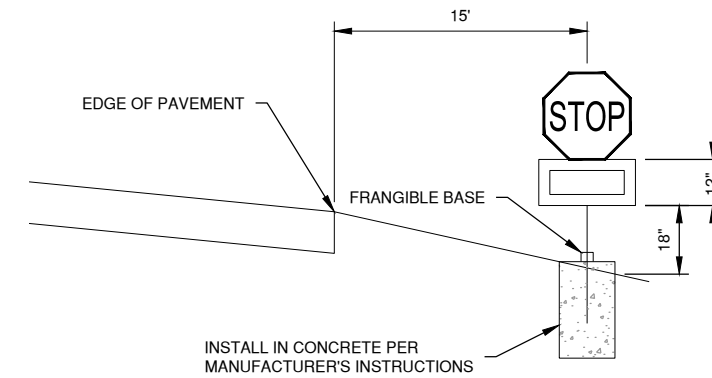
**NOTES**

1. NEW L-858 UNLIGHTED NO ENTRY SIGN SHALL BE SIZE 2 AND DIMENSIONED PER FAA AC 150/5345-44 (CURRENT.)

**4** TAXI GUIDANCE SIGN, UNLIT DETAIL  
N.T.S.



**SECTION A-A**



**5** ROADWAY SIGN PLACEMENT  
N.T.S.

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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

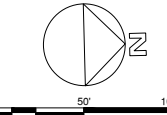
OWNER



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

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-CM500.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	



JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND  
ASSOCIATED IMPROVEMENTS,  
PHASE 1**

OWNER


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

MARK | DATE | DESCRIPTION

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CMT PROJECT NO: 180035-05

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DESIGNED BY: HWI

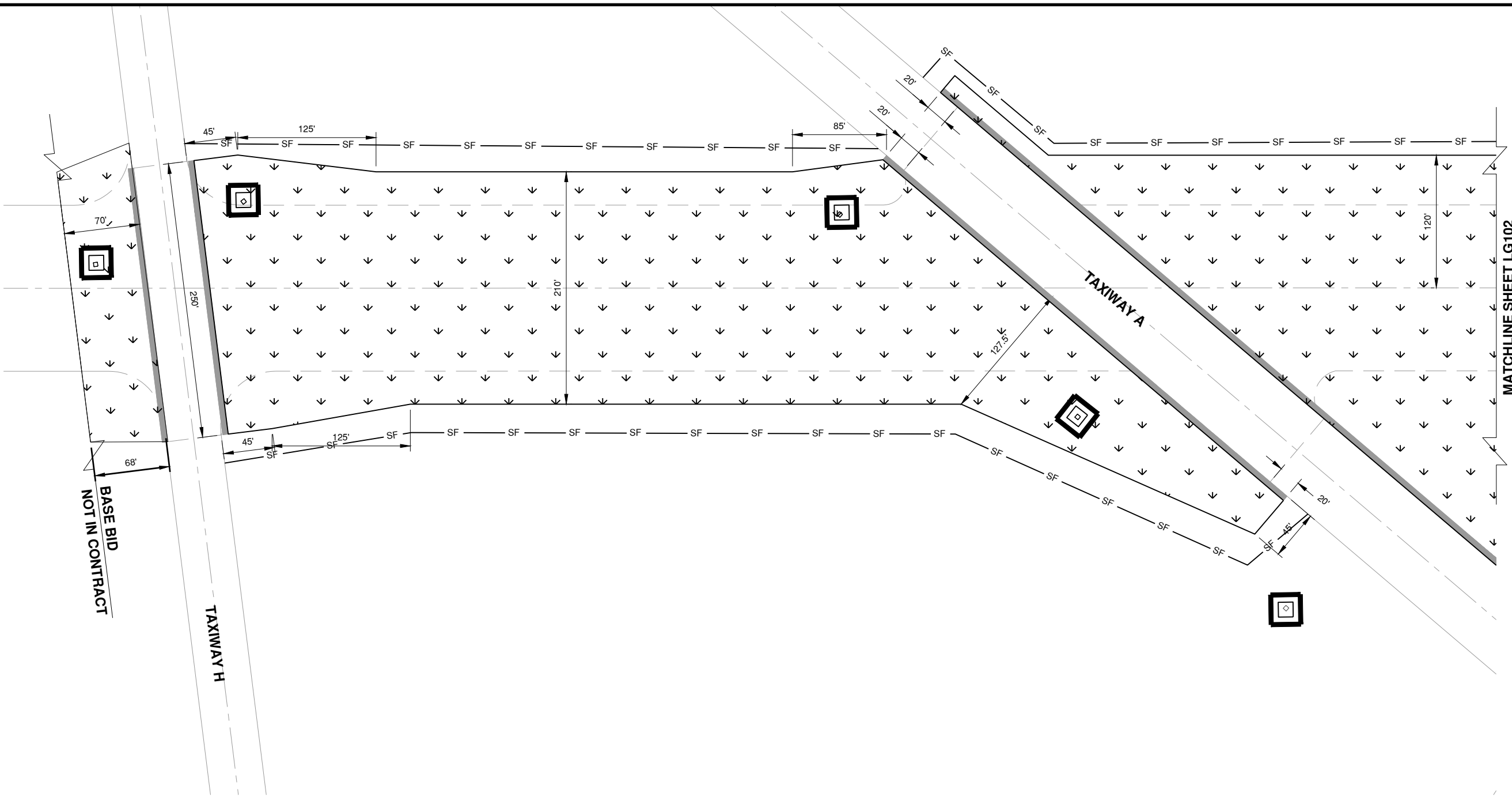
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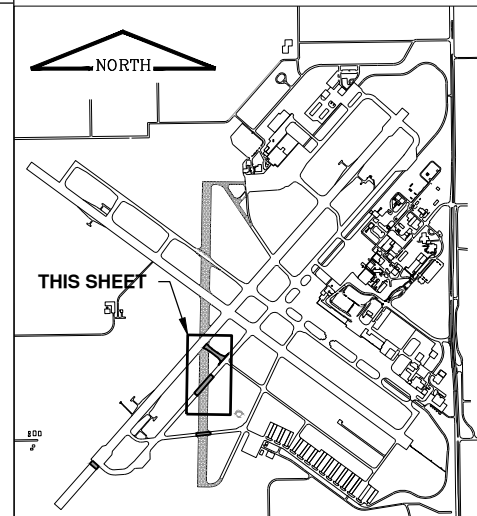
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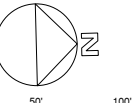
COPYRIGHT:

SHEET TITLE

**EROSION CONTROL &  
TURFING PLANS 1**
**LG101**  
SHEET **68** OF **95**
**LEGEND**

- |   |                        |
|---|------------------------|
|  | NEW SEEDING & MULCHING |
|  | NEW SOD 5' WIDTH       |
|  | PROPOSED STORM SEWER   |
|  | EXISTING STORM SEWER   |
|  | NEW INLET PROTECTION   |
|  | SILT FENCE             |

**KEYMAP**



0 50' 100'  
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

-----  
JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

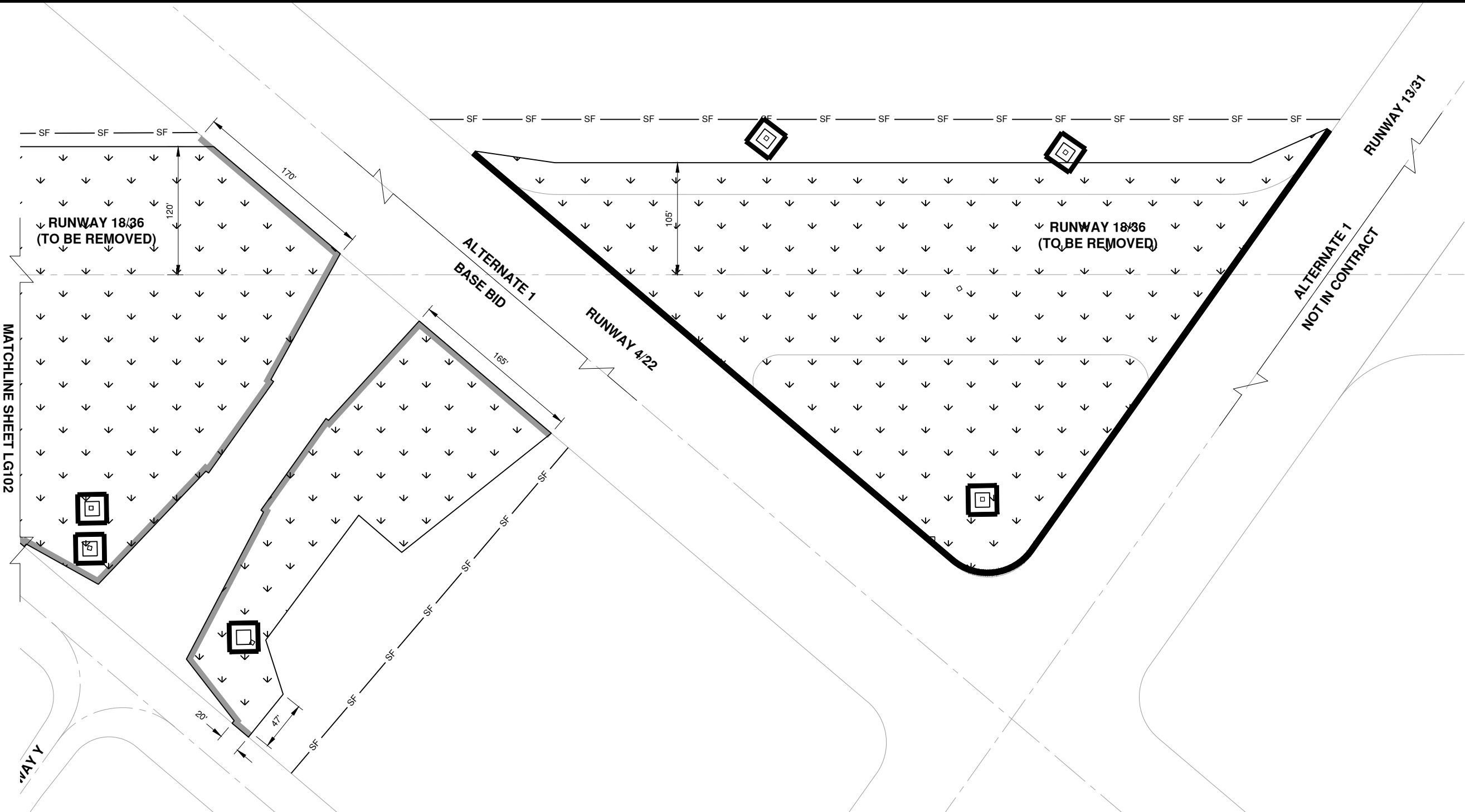
OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

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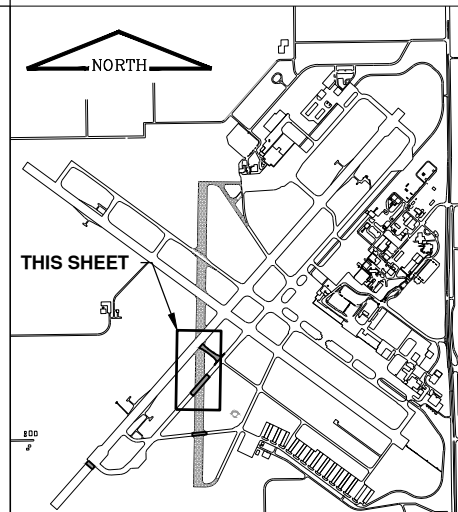
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**EROSION CONTROL & TURFING PLANS 2**



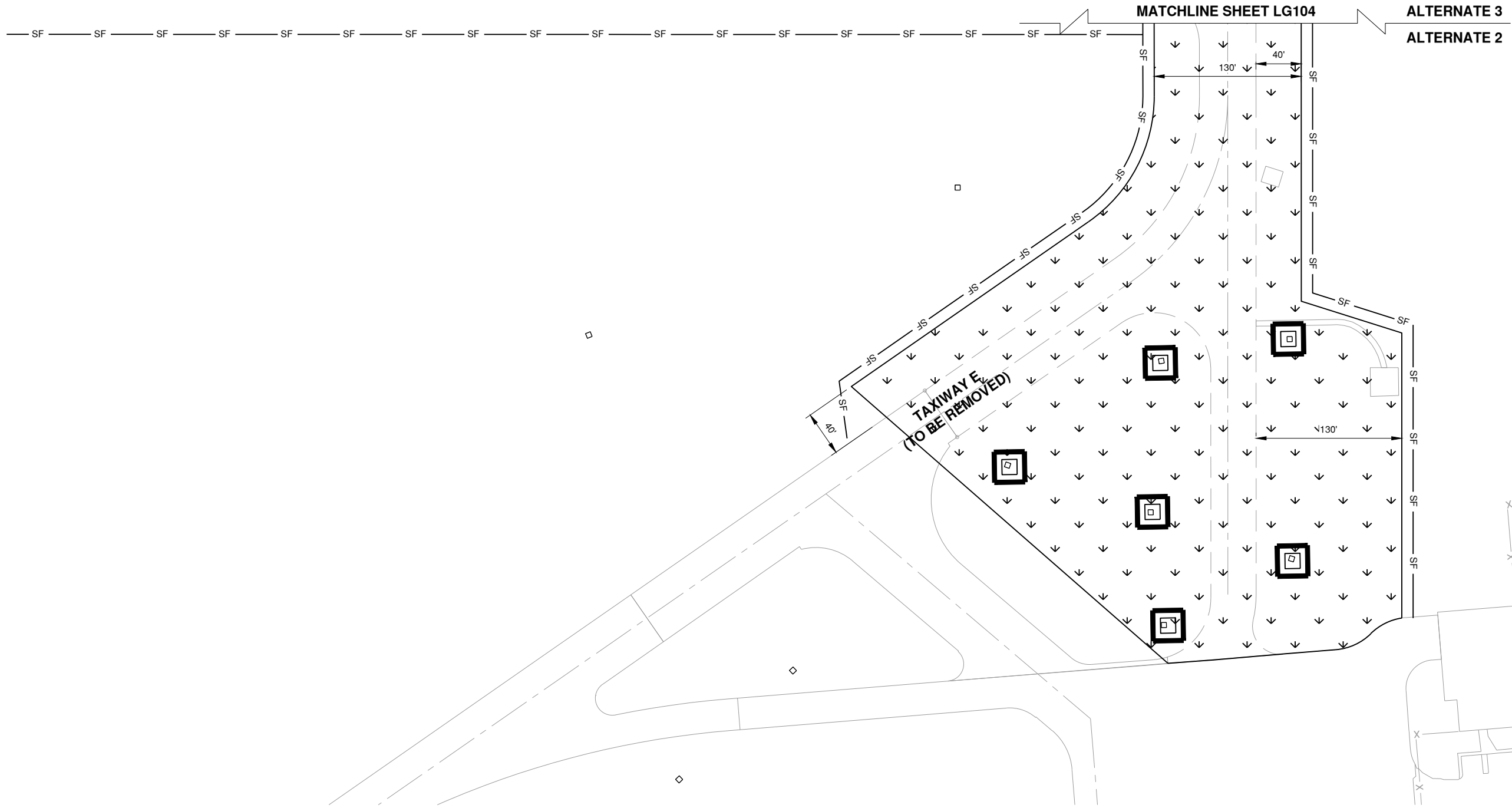
**LEGEND**

- NEW SEEDING & MULCHING
- NEW SOD 5' WIDTH
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- NEW INLET PROTECTION
- SILT FENCE

**KEYMAP**



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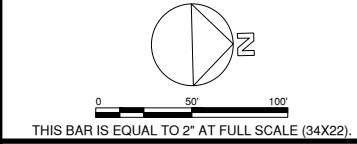


ALTERNATE 3  
ALTERNATE 2



License No. 184-000613

CONSULTANTS



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

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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER

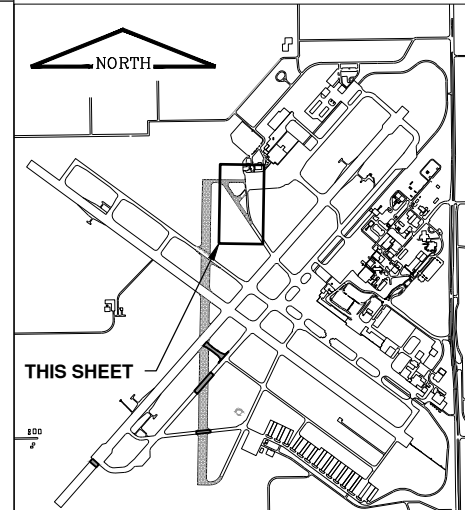


**SPRINGFIELD AIRPORT  
AUTHORITY  
ABRAHAM LINCOLN CAPITAL  
AIRPORT  
SPRINGFIELD, IL**

**LEGEND**

-  NEW SEEDING & MULCHING
-  NEW SOD 5' WIDTH
-  PROPOSED STORM SEWER
-  EXISTING STORM SEWER
-  NEW INLET PROTECTION
-  SILT FENCE

**KEYMAP**



MARK	DATE	DESCRIPTION
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IL PROJ. NO.:	SPI-4755	
CMT PROJECT NO.:	180035-05	
CAD DWG FILE:	18003505-PH1-LG100.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

SHEET TITLE  
**EROSION CONTROL & TURFING PLANS 3**

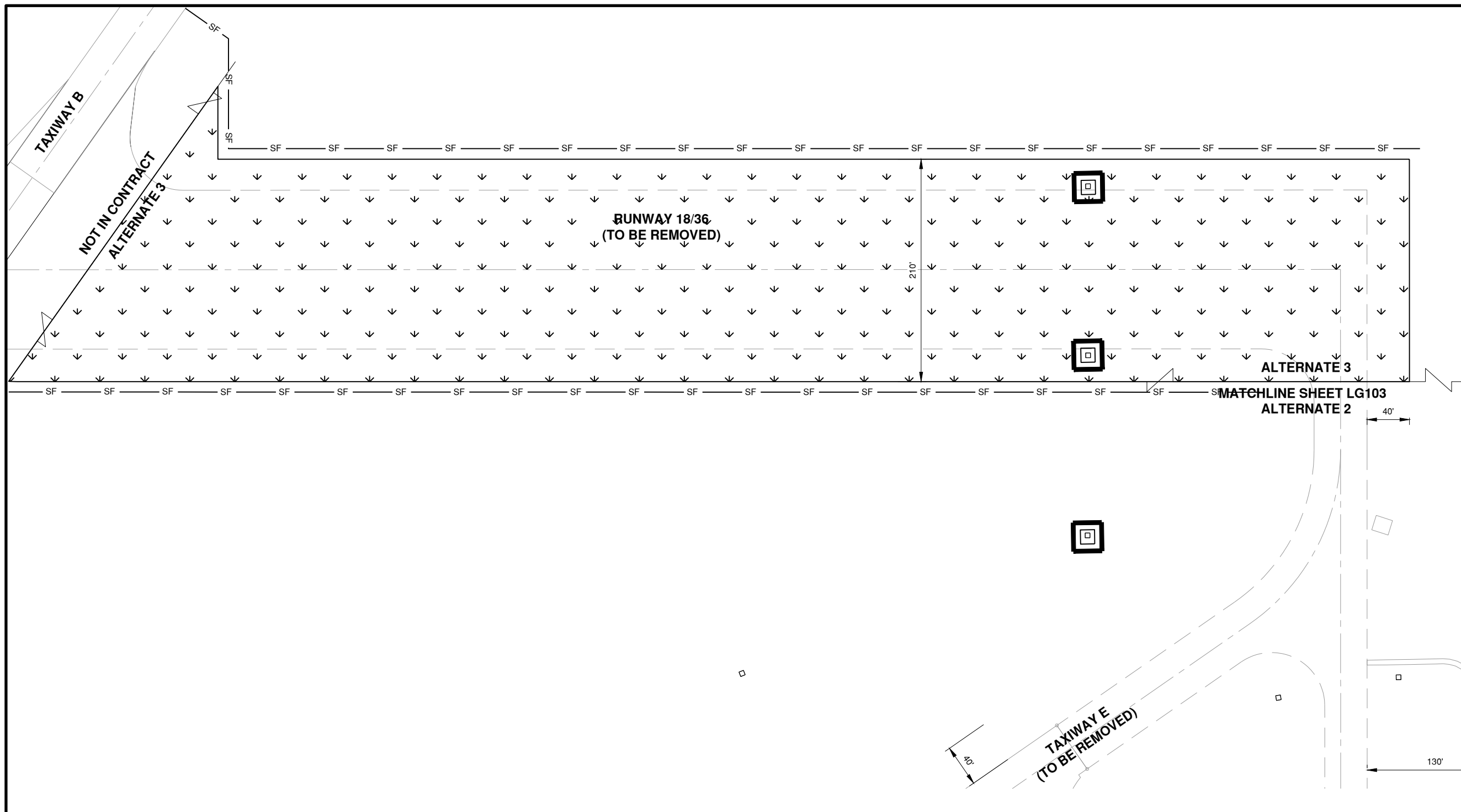
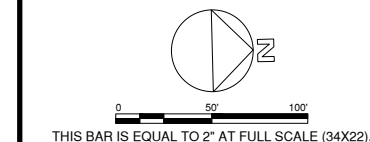
LG103  
SHEET 70 OF 95

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License No. 184-000613

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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER

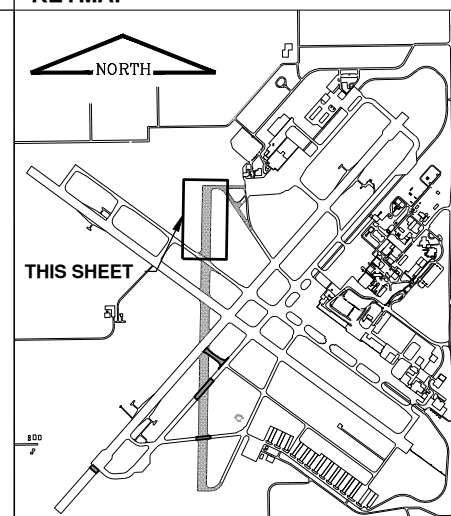


SPRINGFIELD AIRPORT  
AUTHORITY  
ABRAHAM LINCOLN CAPITAL  
AIRPORT  
SPRINGFIELD, IL

**LEGEND**

-  NEW SEEDING & MULCHING
-  NEW SOD 5' WIDTH
-  PROPOSED STORM SEWER
-  EXISTING STORM SEWER
-  NEW INLET PROTECTION
-  SILT FENCE

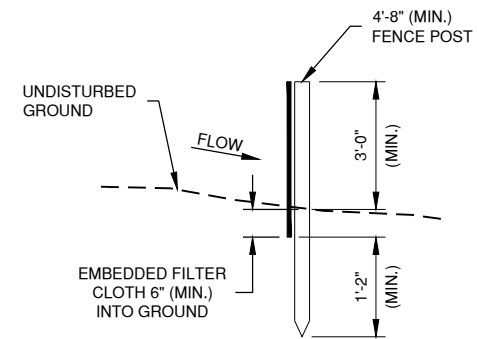
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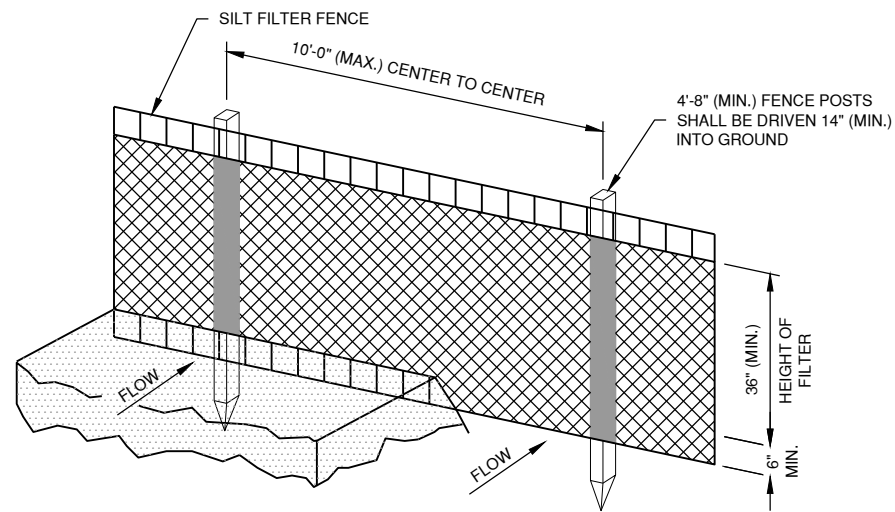
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		DRAWN BY: DPA	
		CHECKED BY: MJD	
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**SHEET TITLE**  
**EROSION CONTROL & TURFING PLANS 4**

LG104  
SHEET 71 OF 95

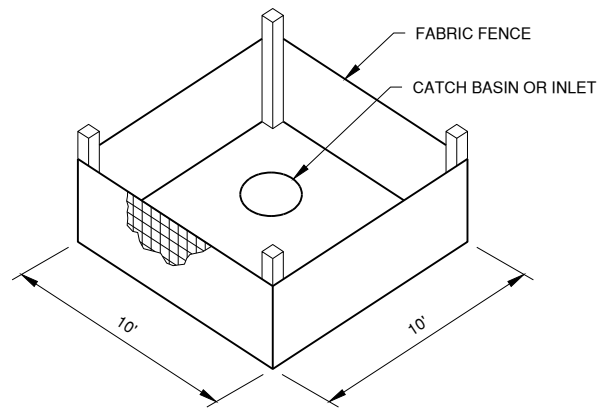


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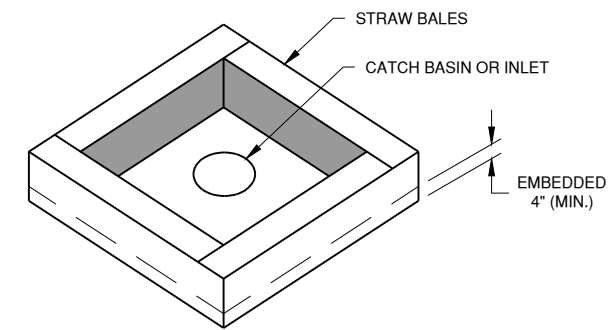


**PERSPECTIVE VIEW**

**1 SILT FENCE**  
N.T.S.



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



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

**SILT 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.

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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



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

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	<b>CA021</b>
IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-LG501.DWG	
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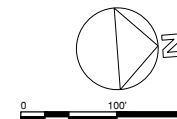
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**EROSION CONTROL DETAILS**





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JUNE 29, 2020

### RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

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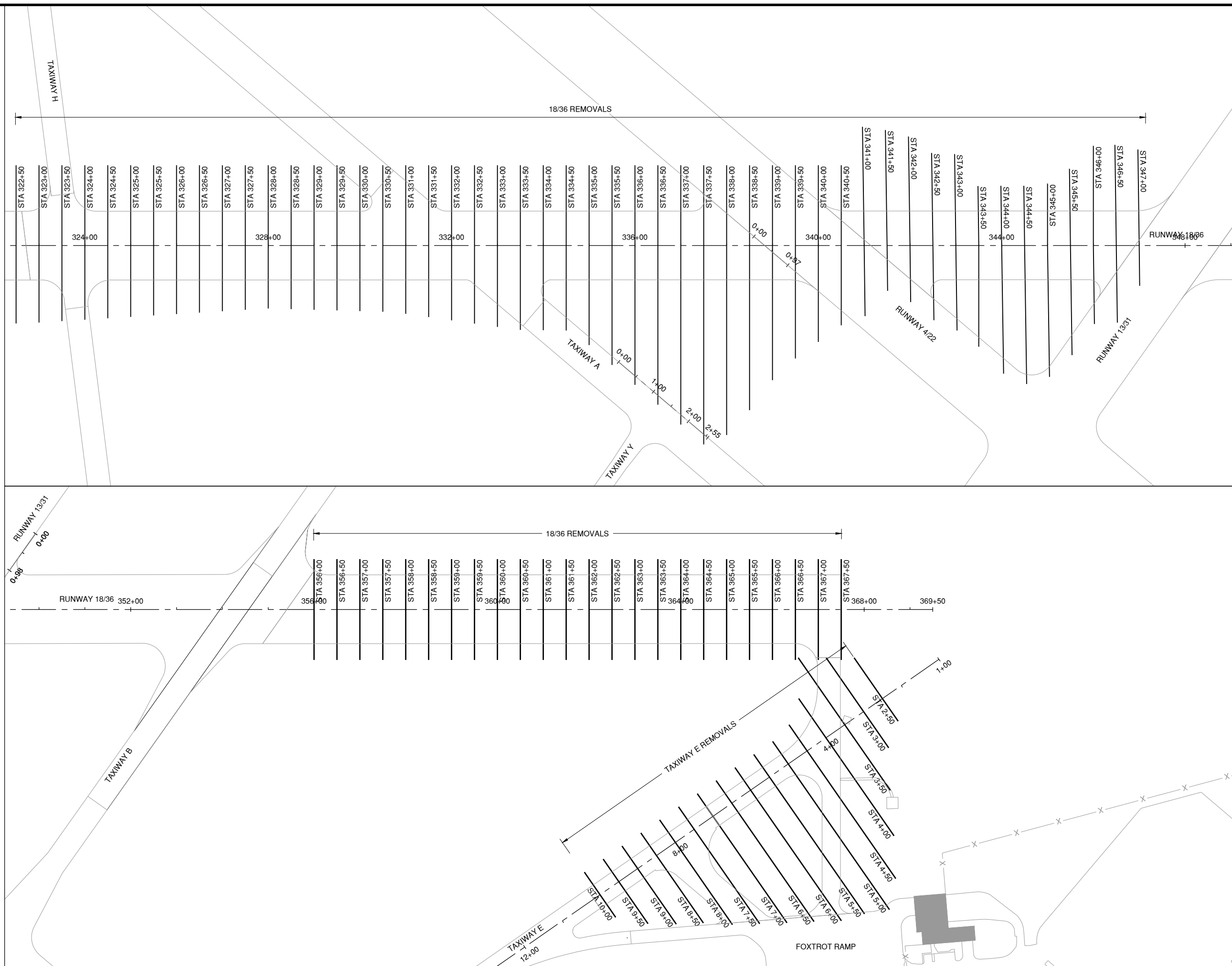
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ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

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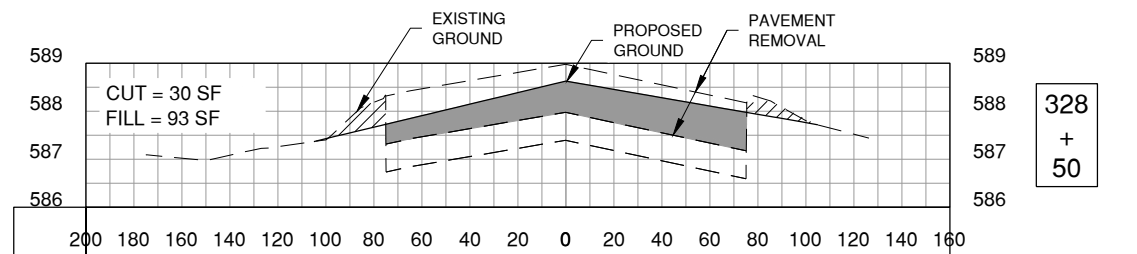
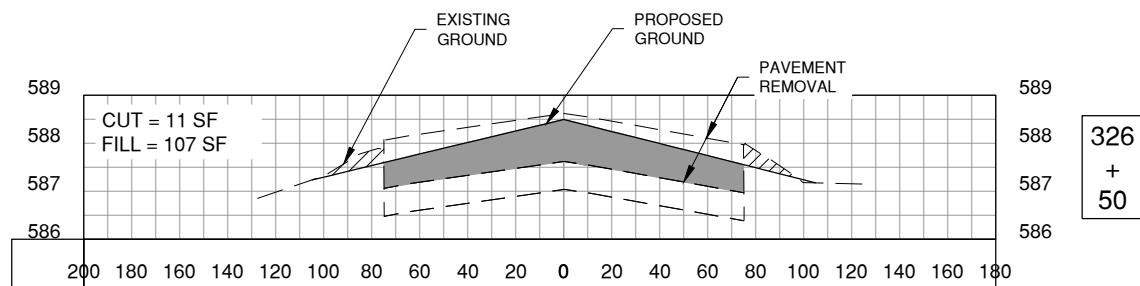
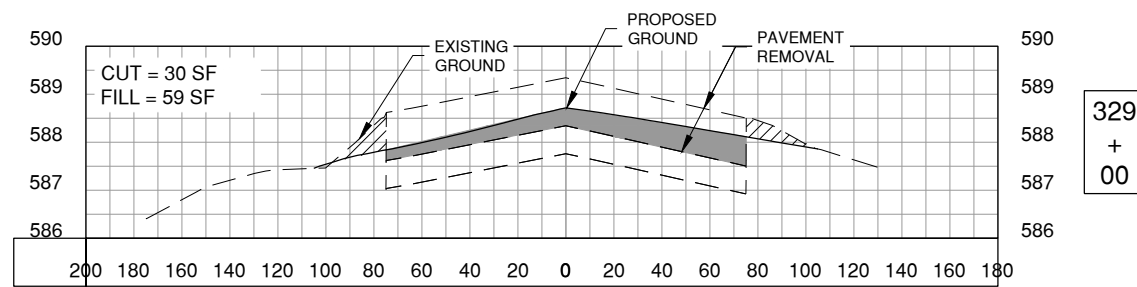
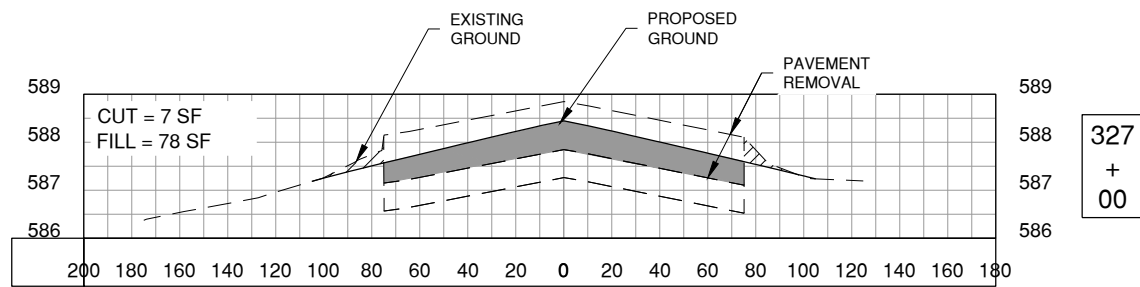
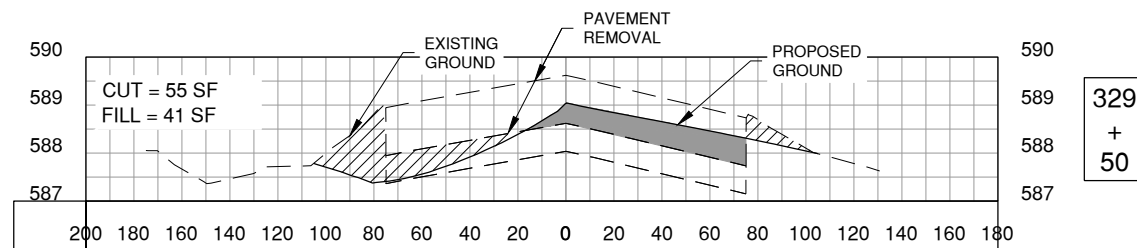
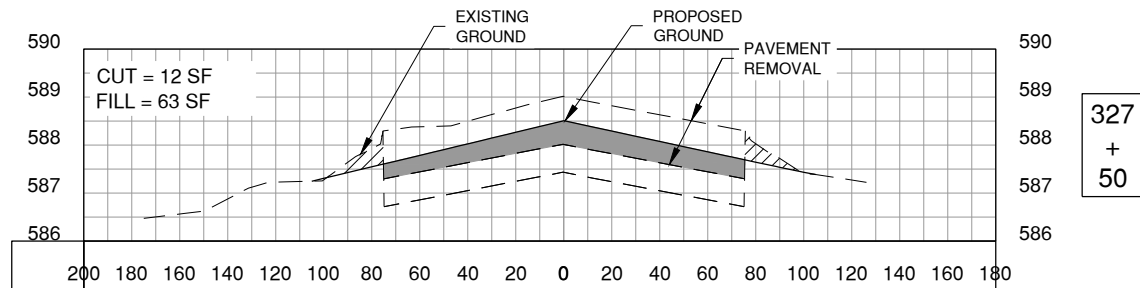
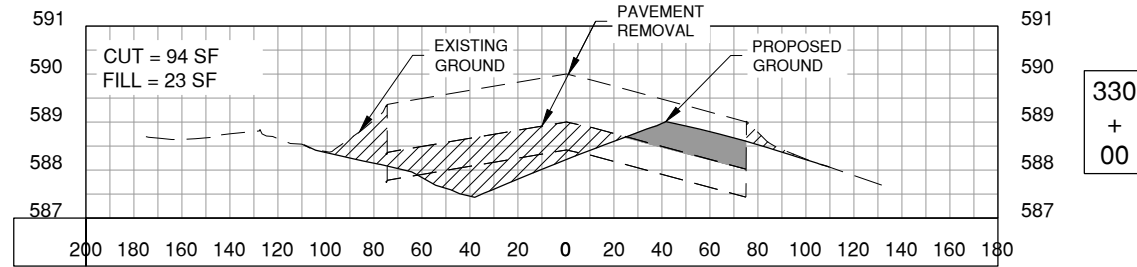
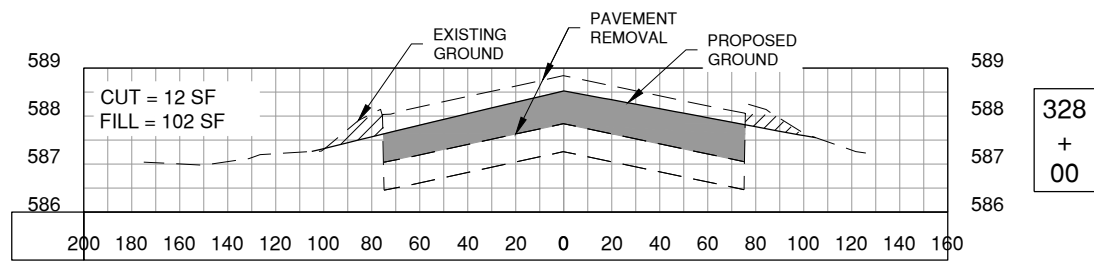
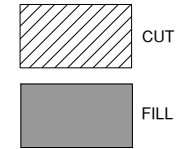
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DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

### CROSS SECTION INDEX - REMOVALS

SHEET 73 OF 95







JUNE 29, 2020

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

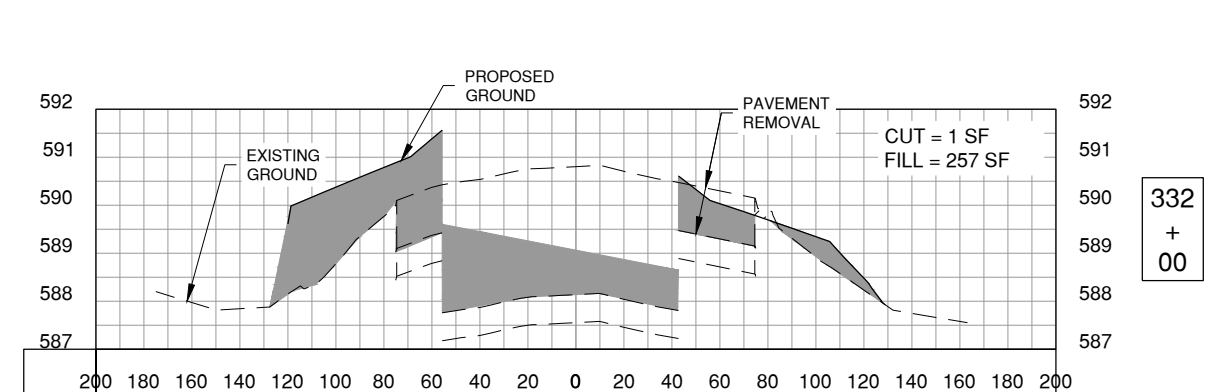
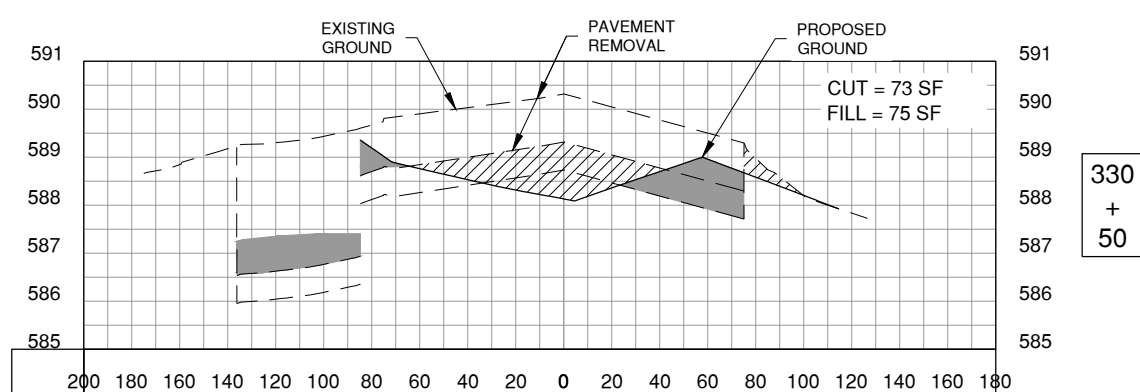
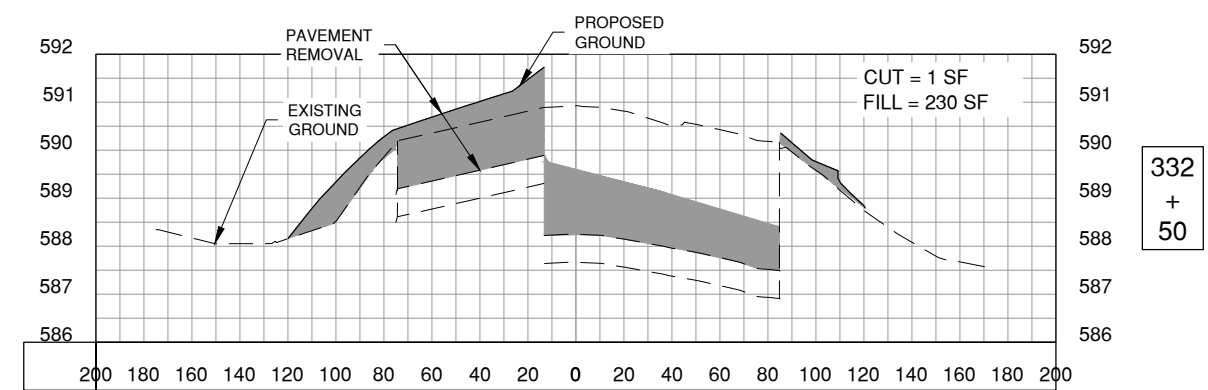
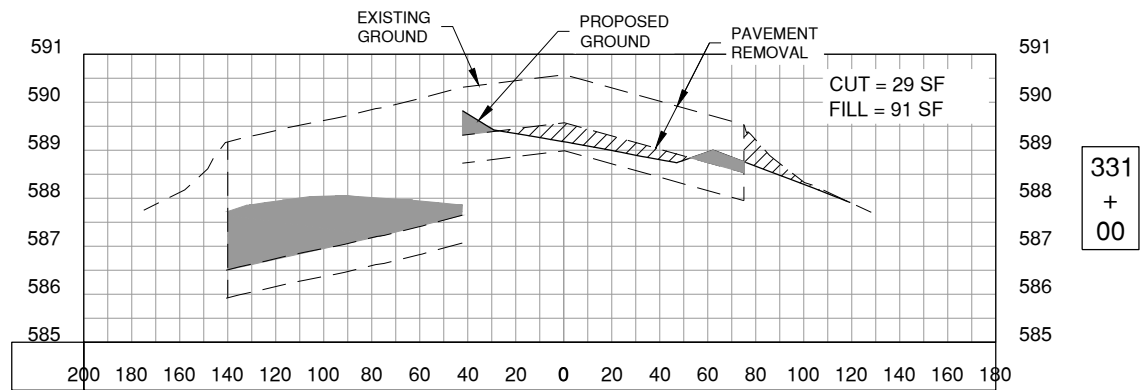
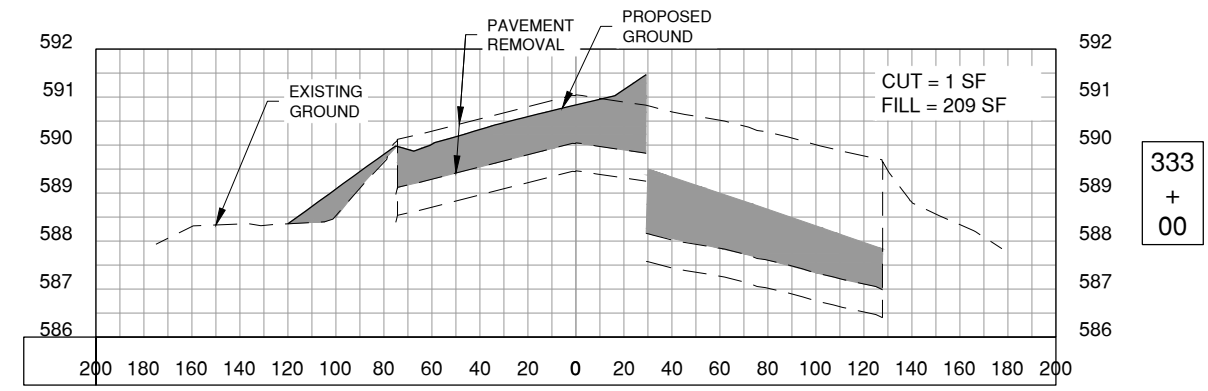
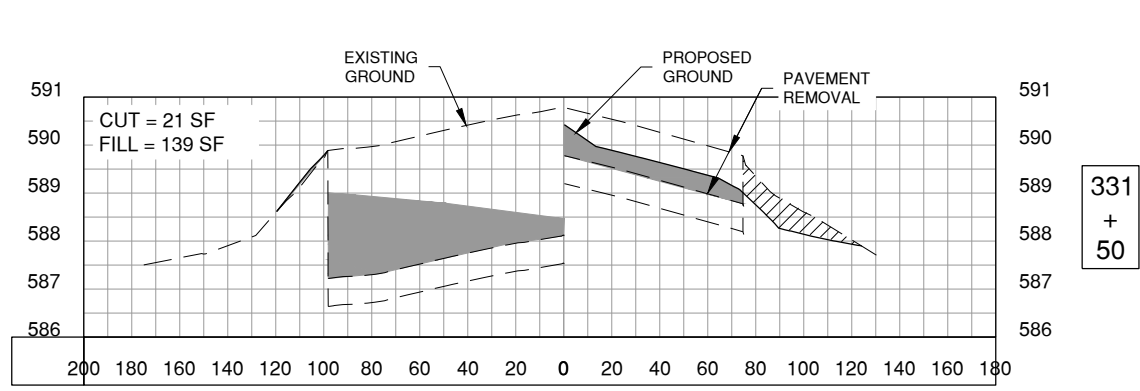
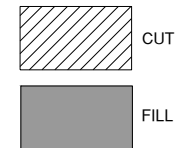
OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

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IL PROJ. NO:	SPI-4755	
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CAD DWG FILE:	18003505-PH1-CG700 RWY XSEC.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
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SHEET TITLE  
CROSS SECTIONS - RWY 18-36 REMOVALS  
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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

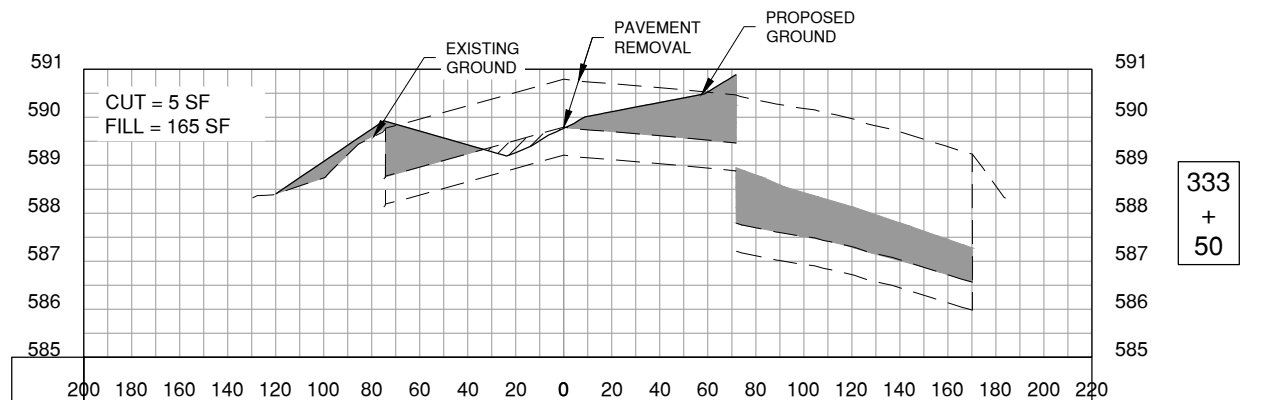
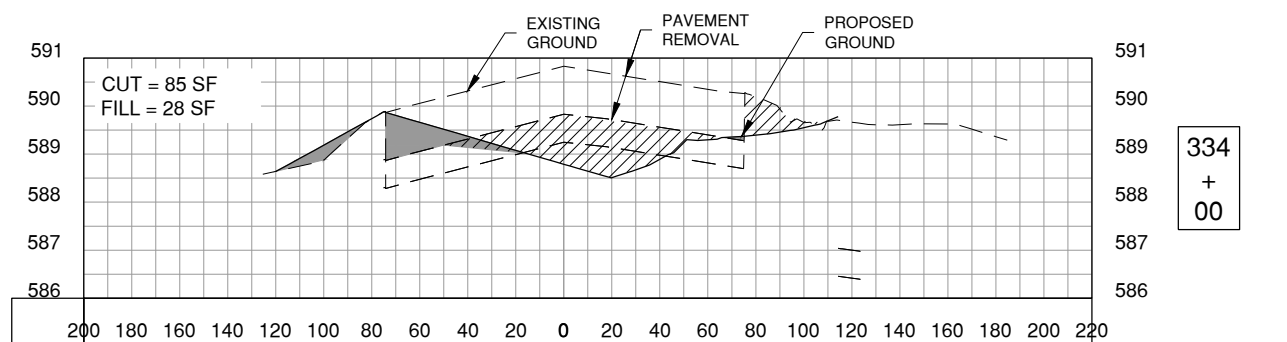
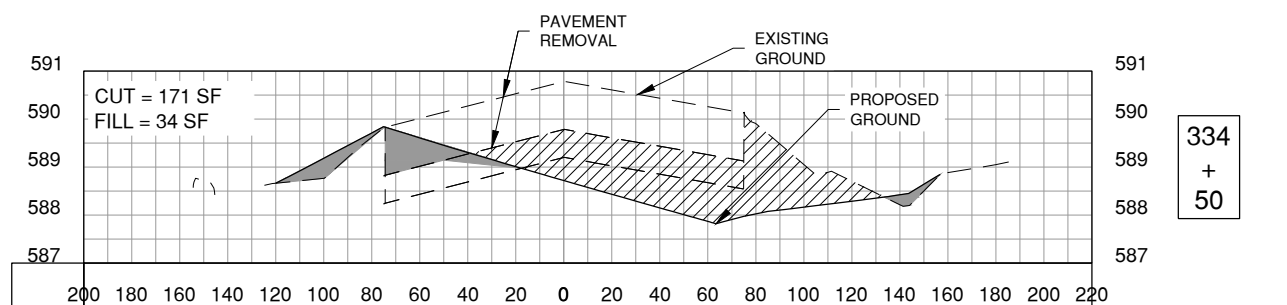
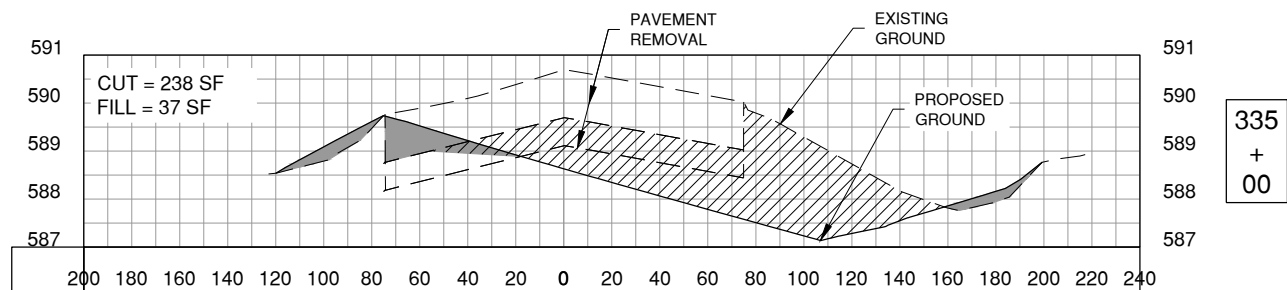
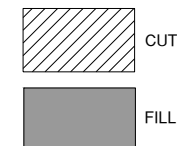
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**SPRINGFIELD AIRPORT AUTHORITY**  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

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DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
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**CROSS SECTIONS - RWY 18-36 REMOVALS**  
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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

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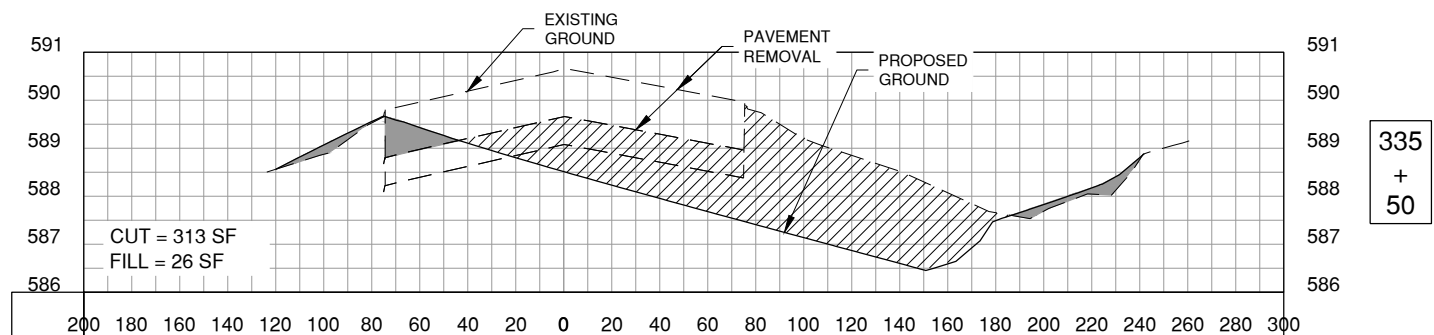
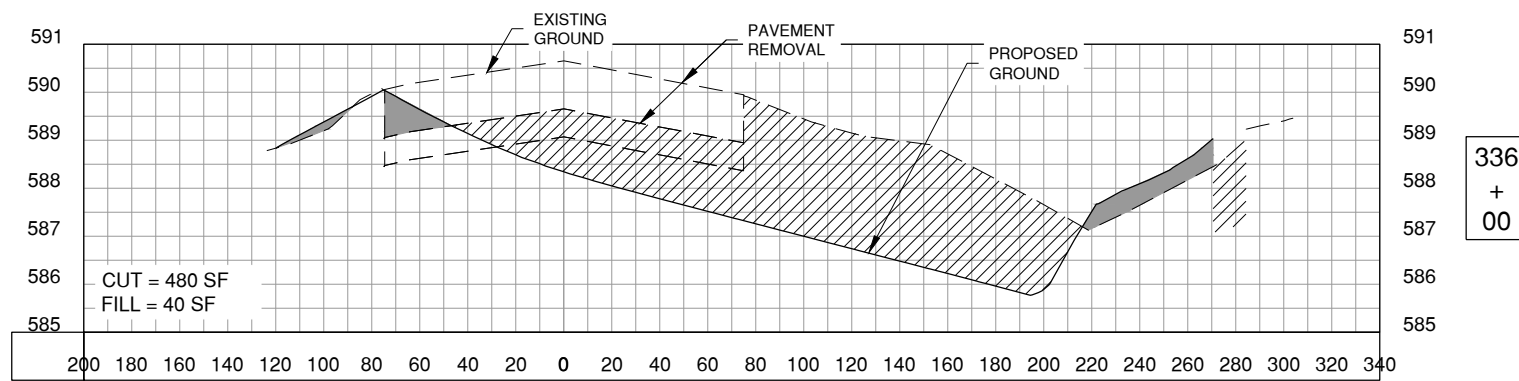
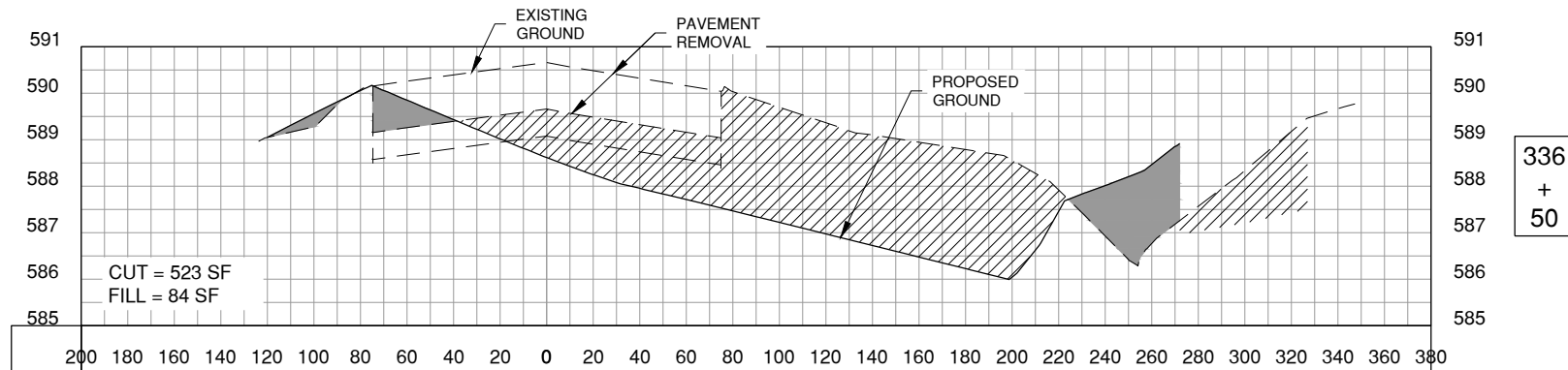
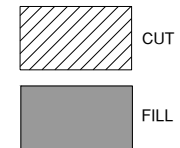
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**CROSS SECTIONS - RWY 18-36 REMOVALS**  
4

CG704  
SHEET 77 OF 95



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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

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SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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**CROSS SECTIONS - RWY 18-36 REMOVALS**  
**5**

SHEET **78** OF **95**  
**CG705**



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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

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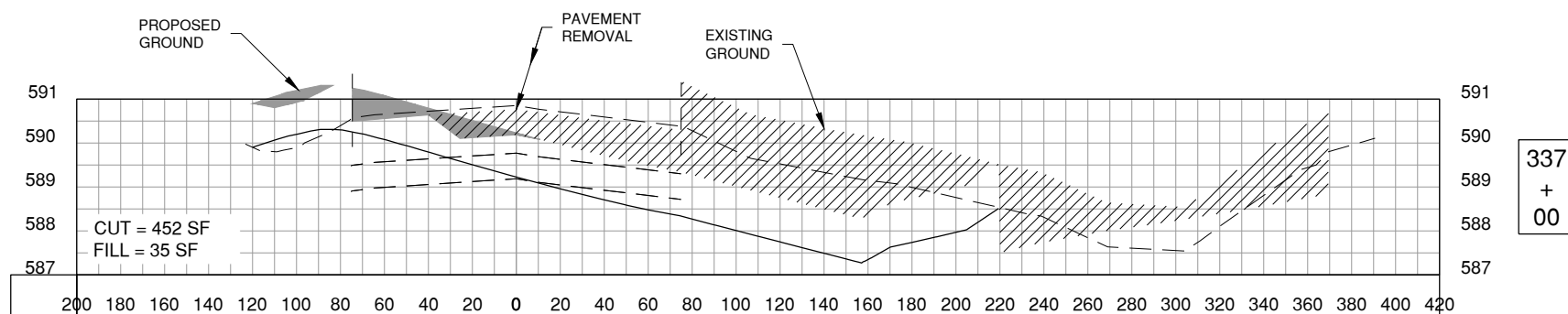
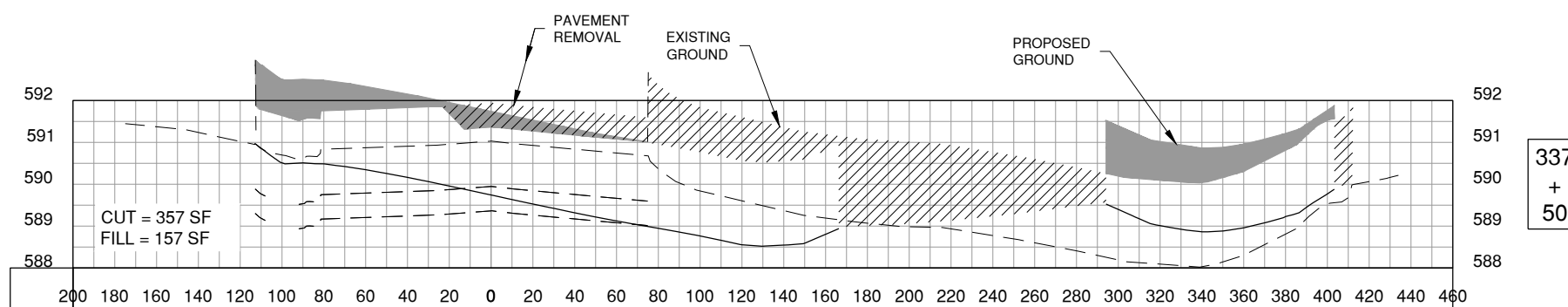
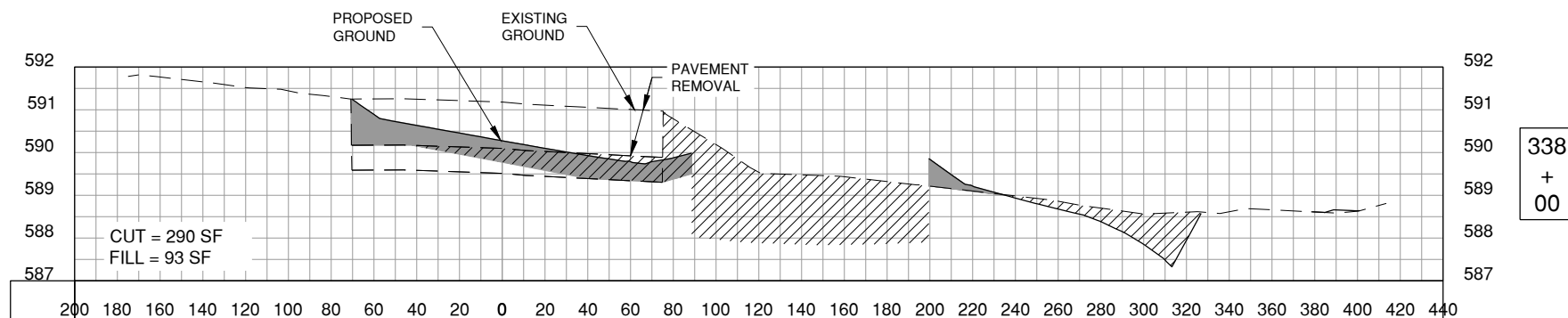
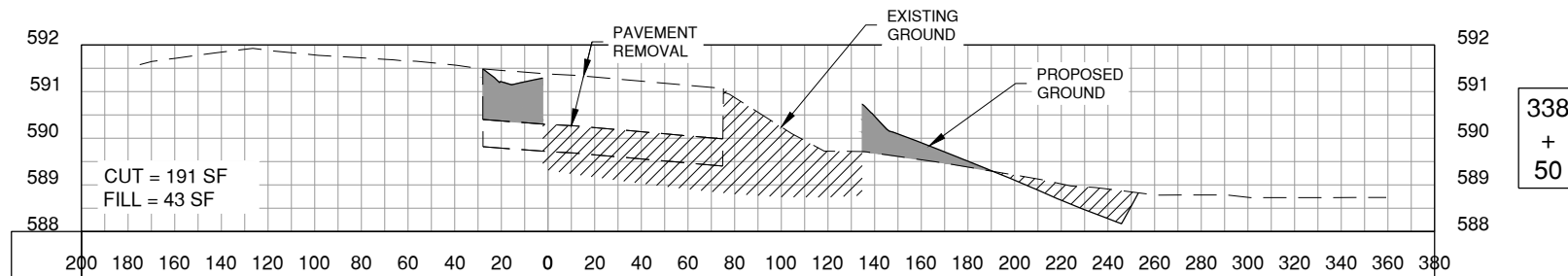
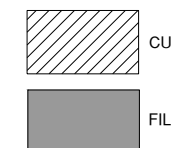
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**ABRAHAM LINCOLN CAPITAL AIRPORT**  
**SPRINGFIELD, IL**

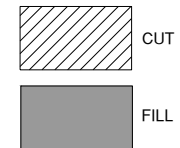
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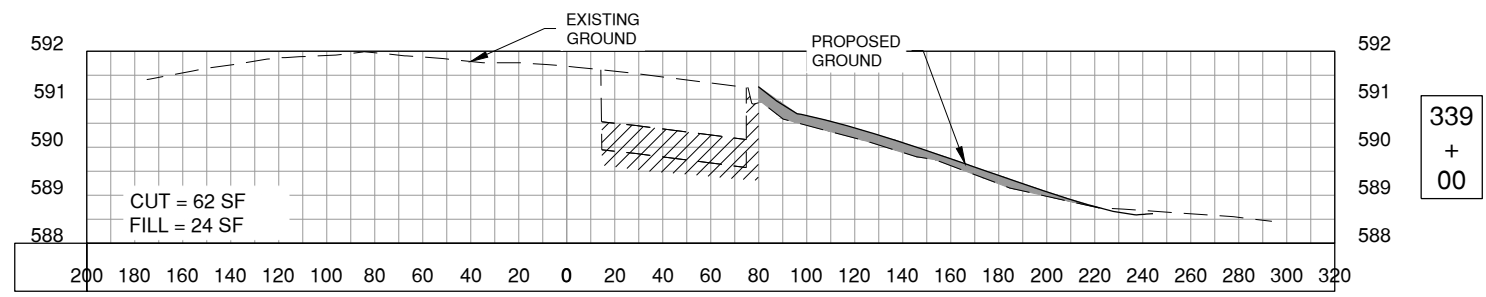
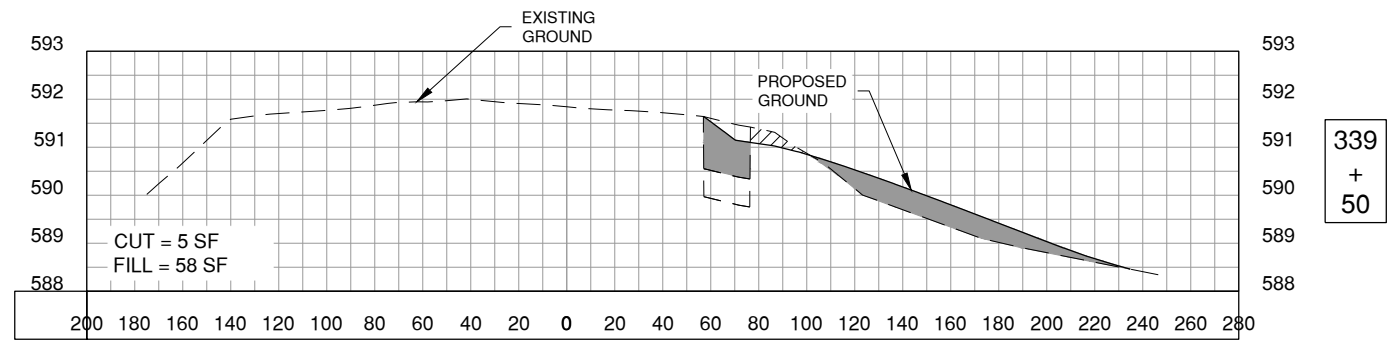
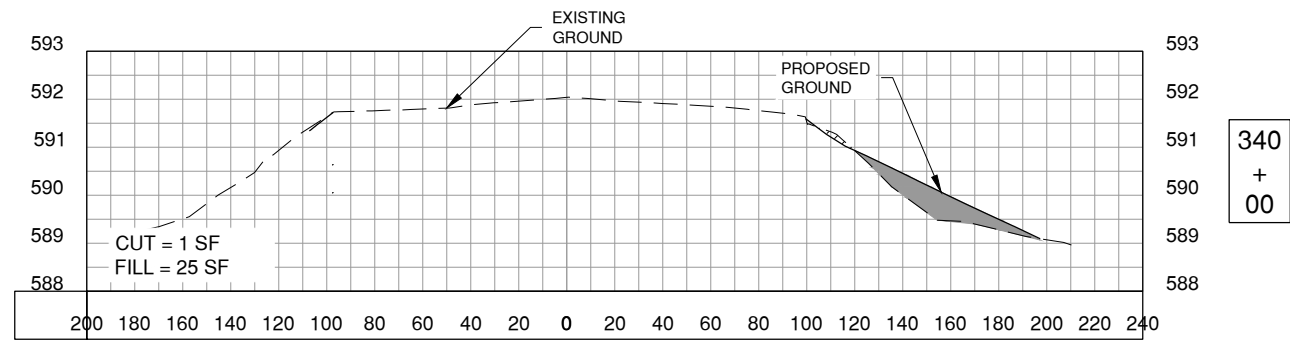
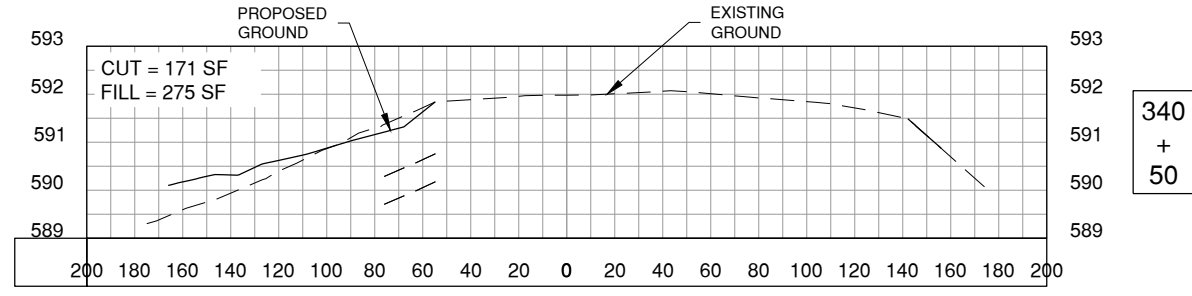
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**6**

SHEET **79** OF **95**  
CG706





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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

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

MARK	DATE	DESCRIPTION

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JUNE 29, 2020

### RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK | DATE | DESCRIPTION

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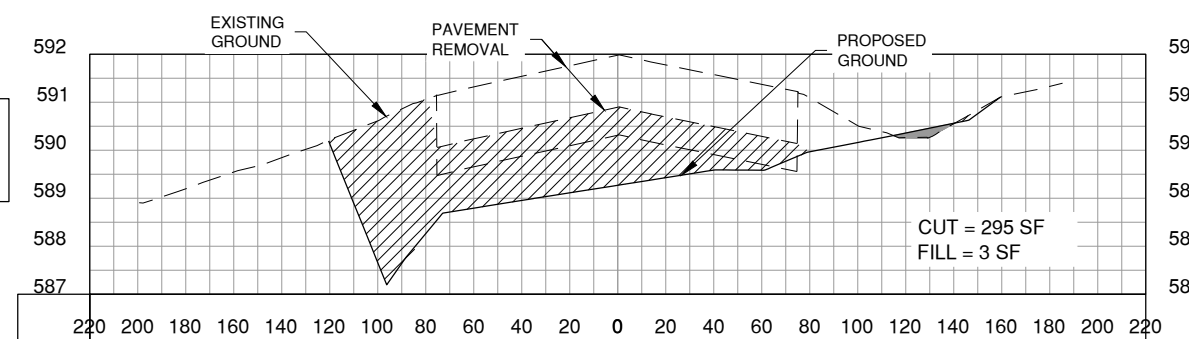
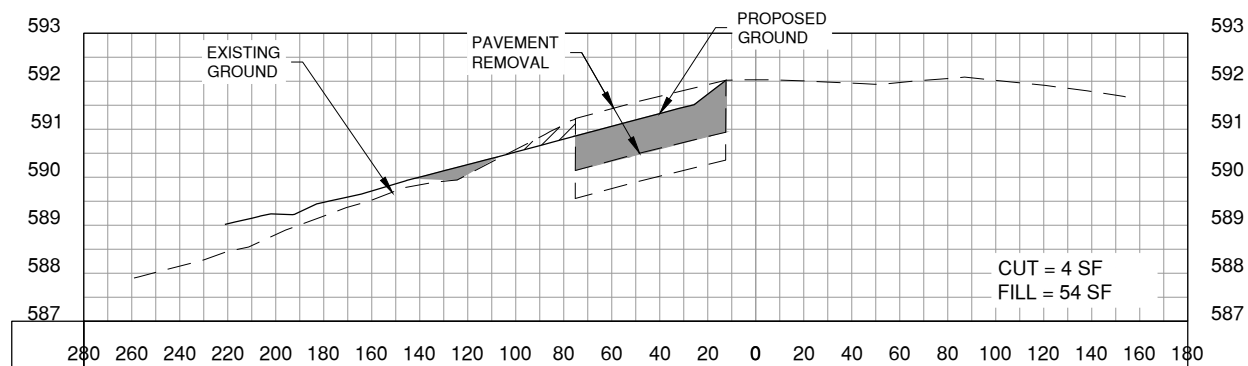
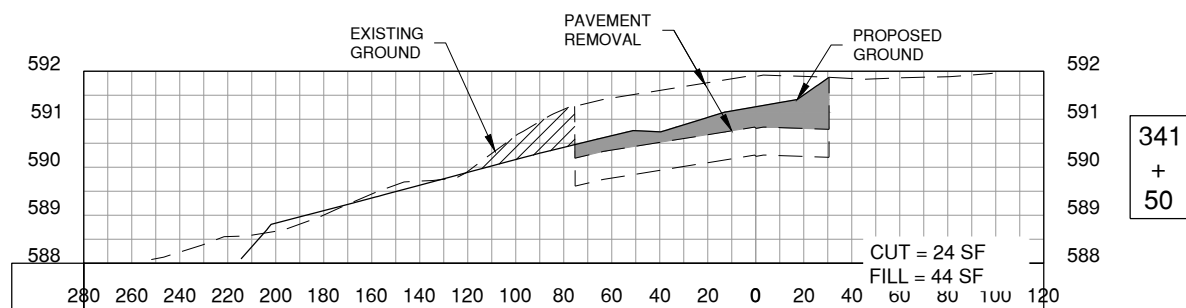
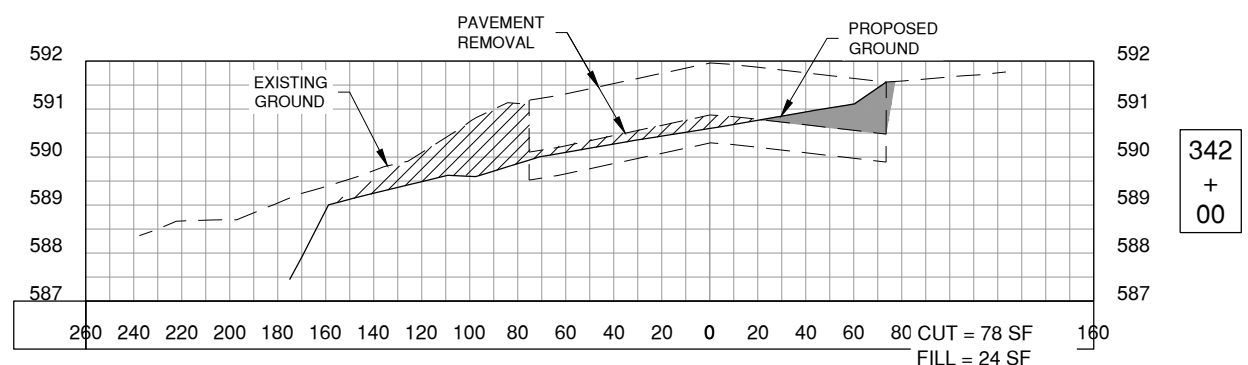
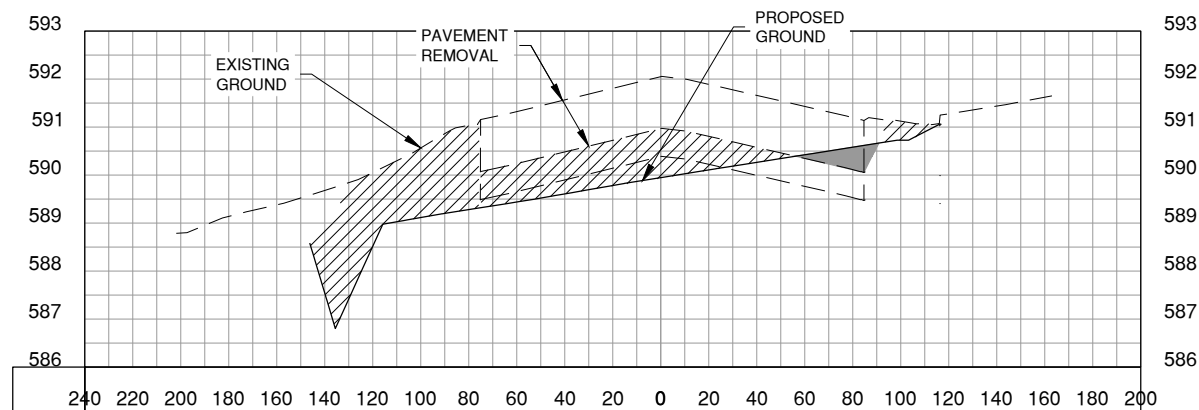
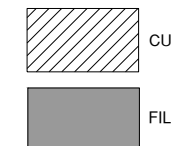
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### CROSS SECTIONS - RWY 18-36 REMOVALS

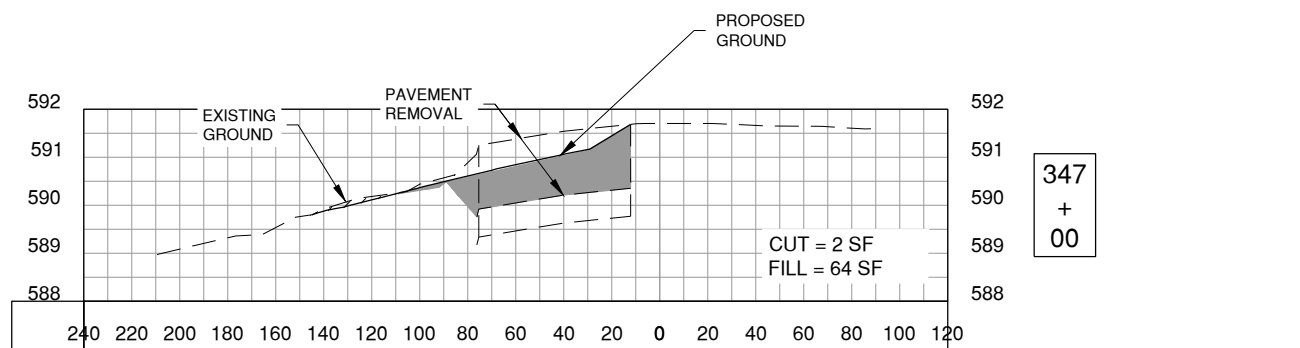
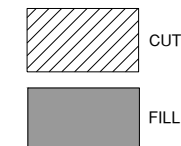
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CG708  
SHEET 81 OF 95

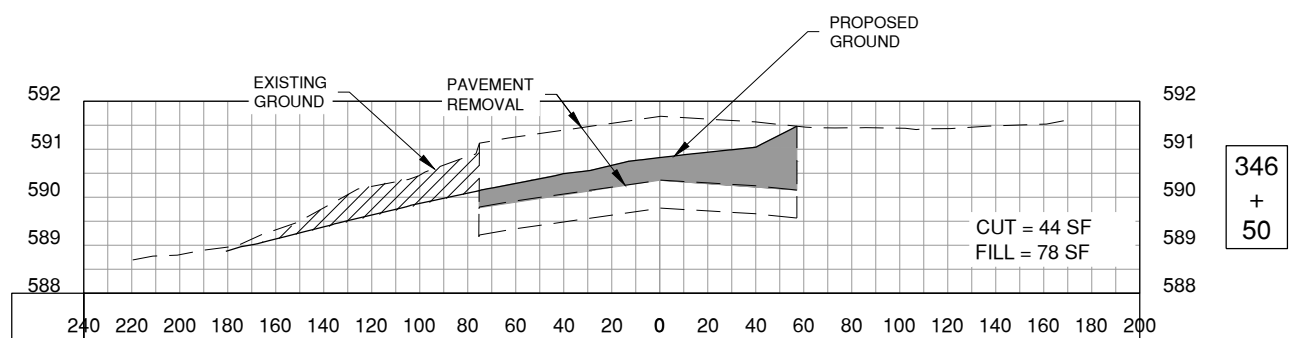


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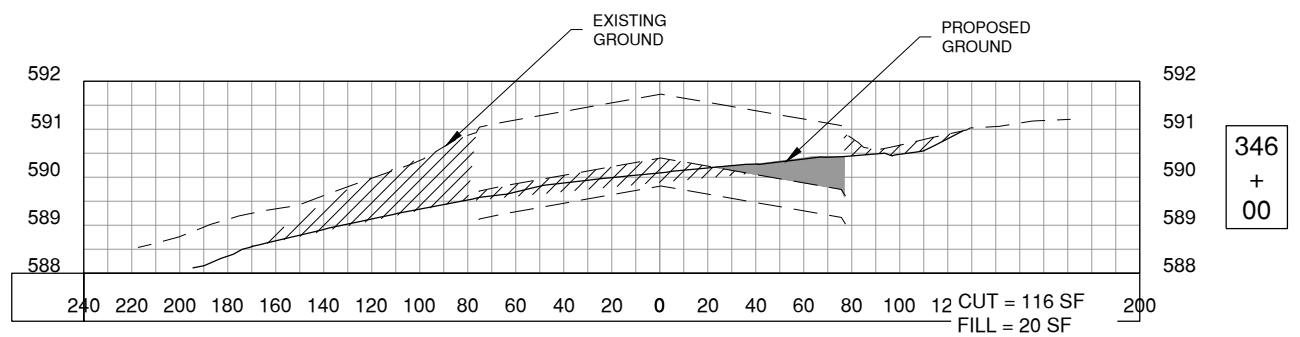




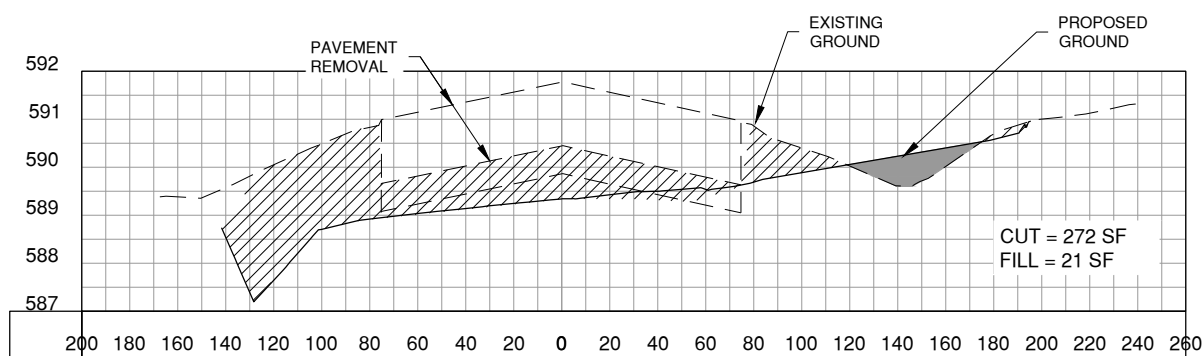
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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA021**

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CMT PROJECT NO: 180035-05

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DESIGNED BY: HWI

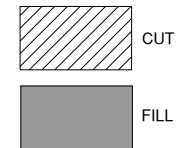
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CHECKED BY: MJD

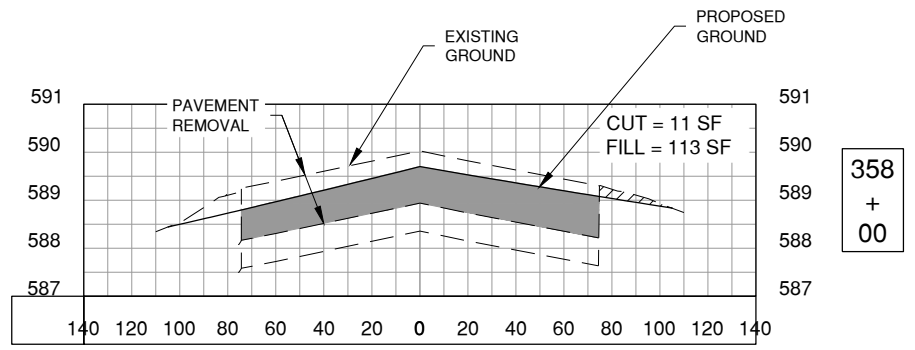
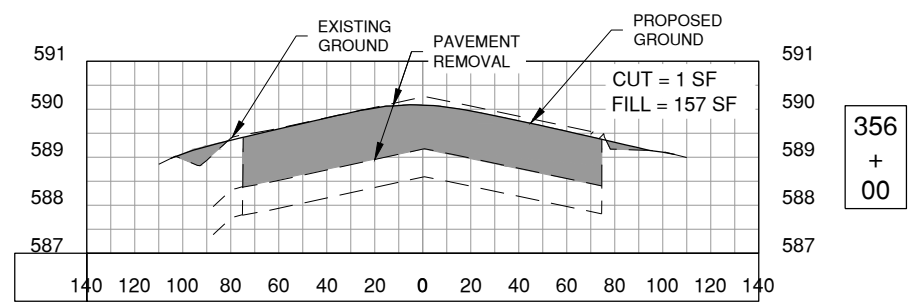
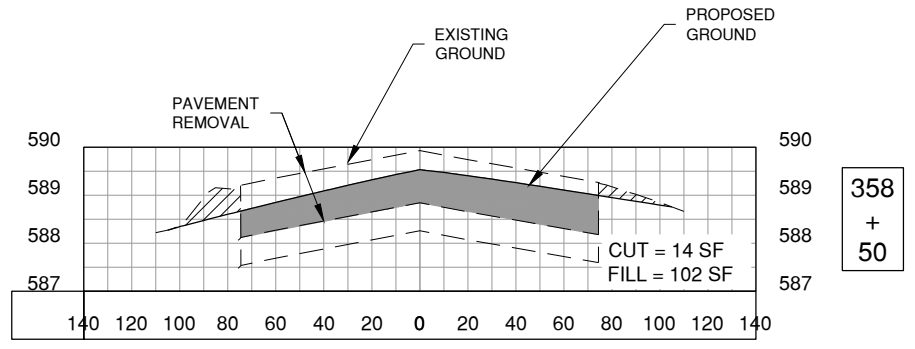
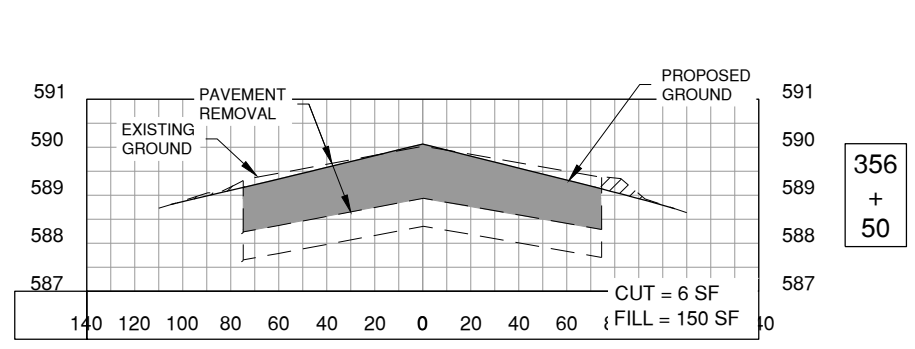
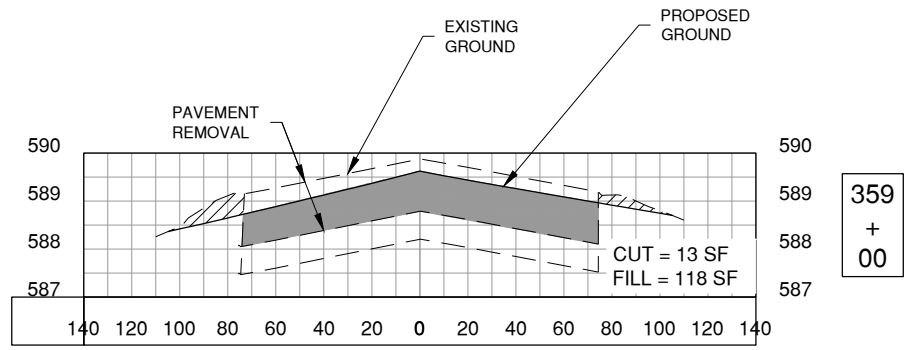
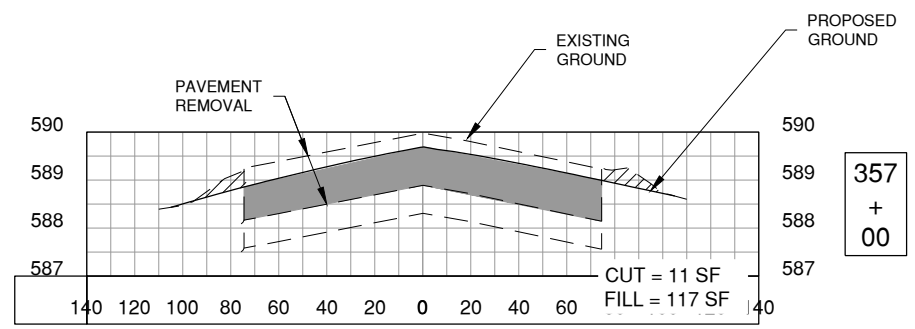
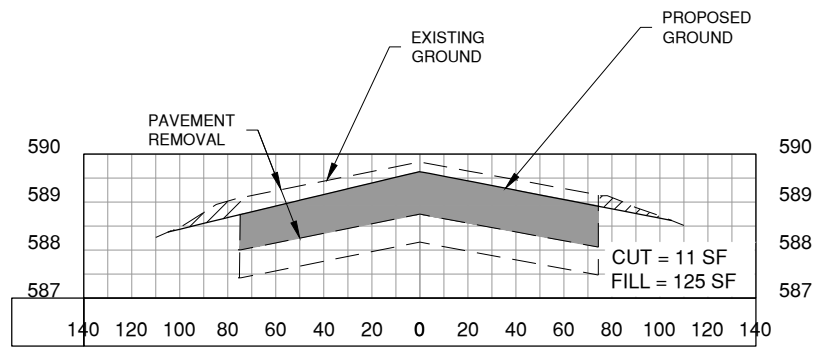
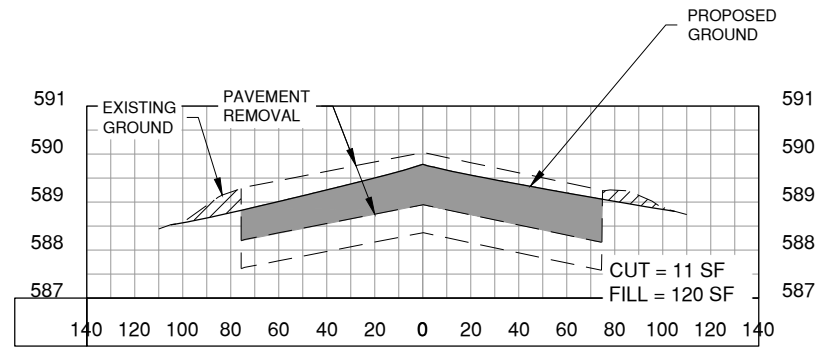
APPROVED BY: RLV

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SHEET TITLE  
**CROSS SECTIONS - RWY 18-36 REMOVALS 10**



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**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER



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

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	<b>CA021</b>
IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-CG700 RWY XSEC.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

SHEET TITLE  
**CROSS SECTIONS - RWY 18-36 REMOVALS 11**

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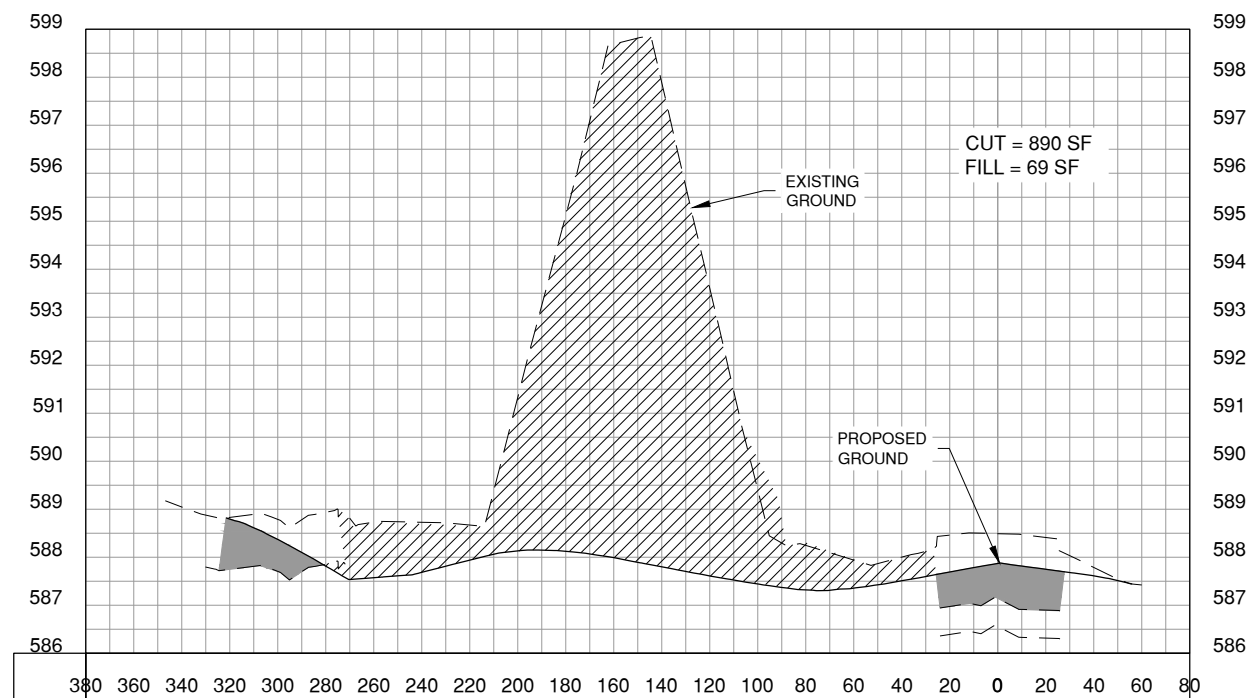
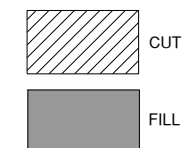




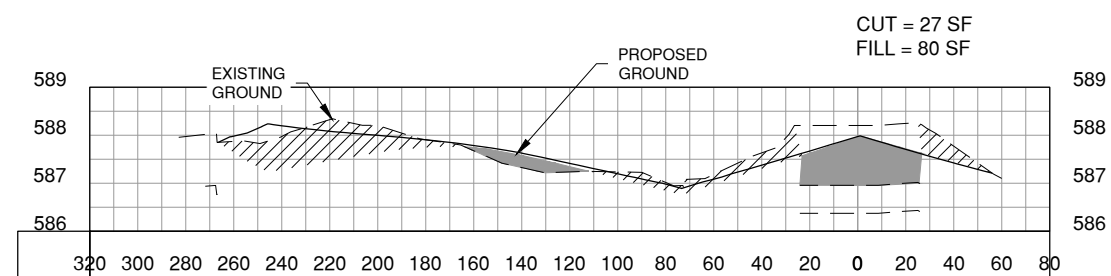




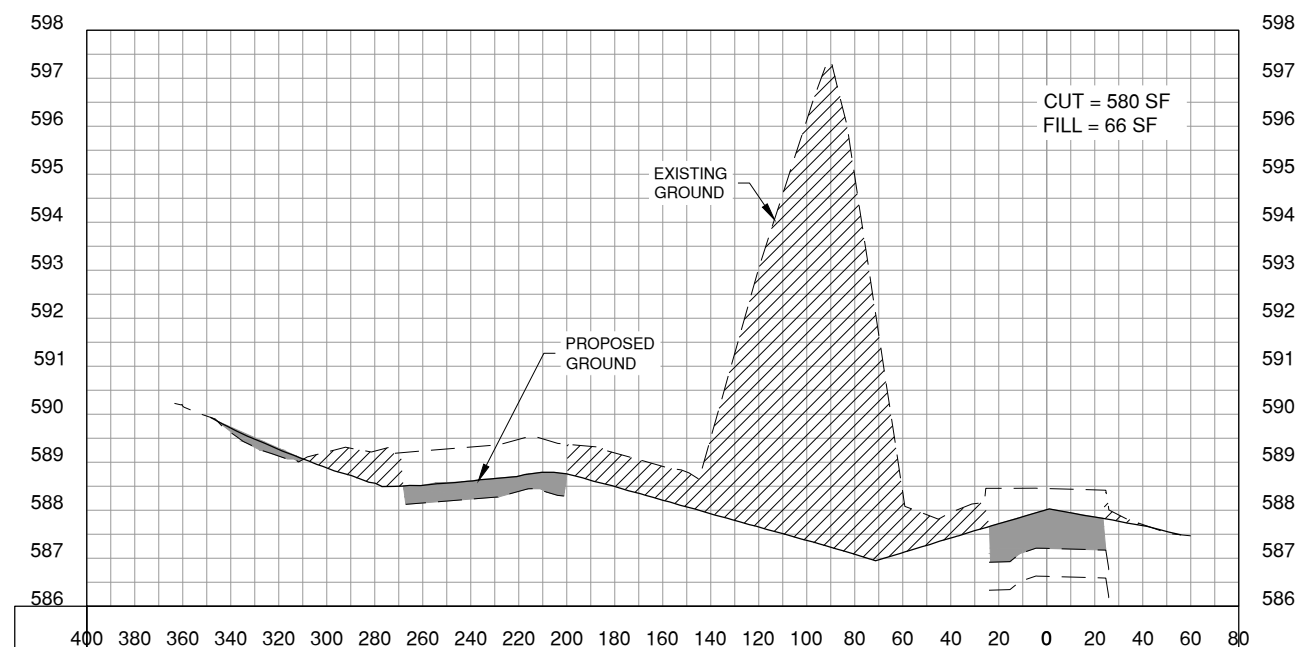




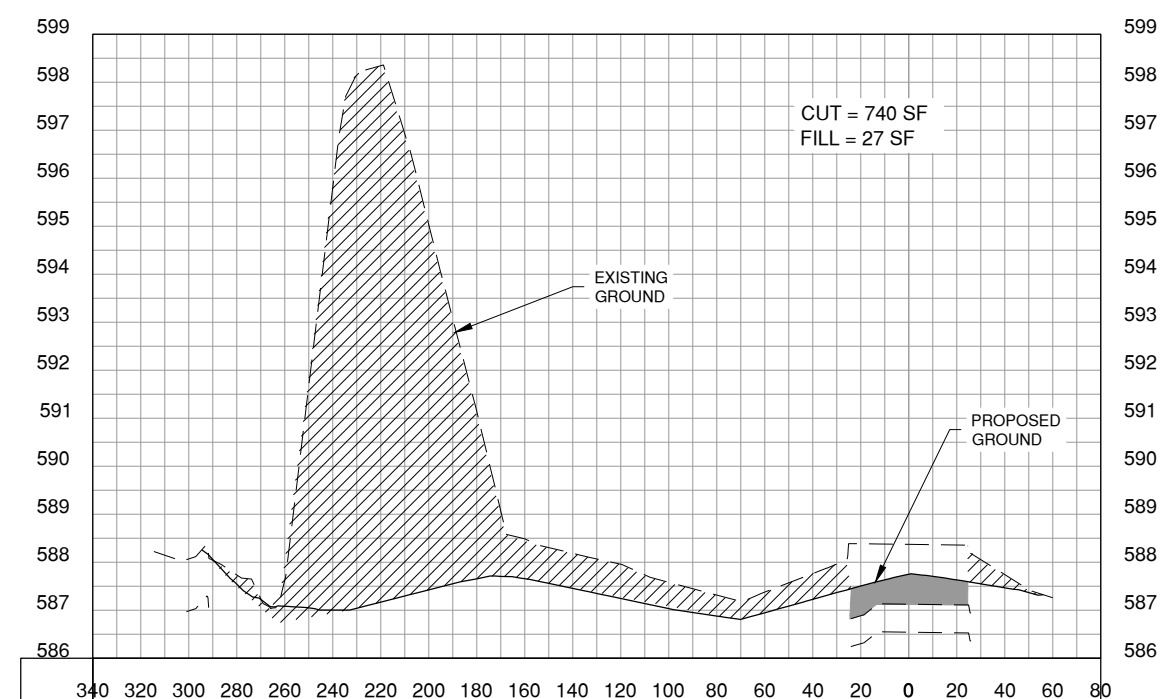
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6  
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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

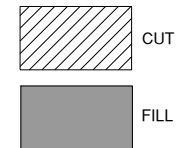
OWNER



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

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	CA021
IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-CG700 RWY XSEC.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
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**SHEET TITLE  
CROSS SECTIONS - TXY E REMOVALS 3**



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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

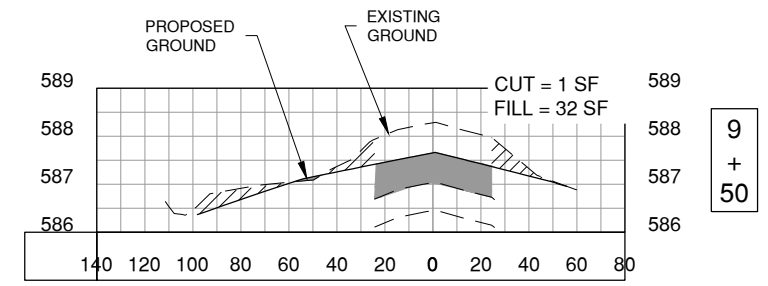
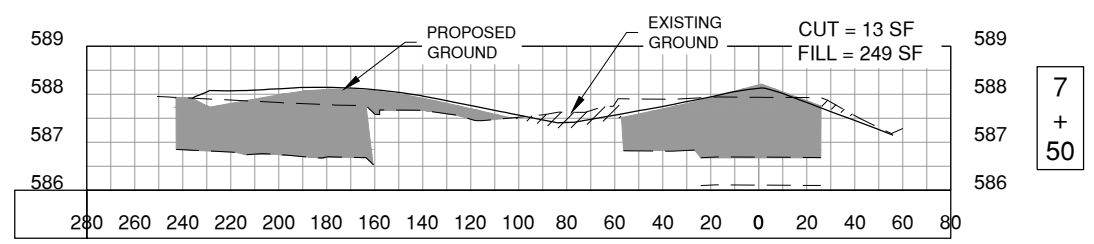
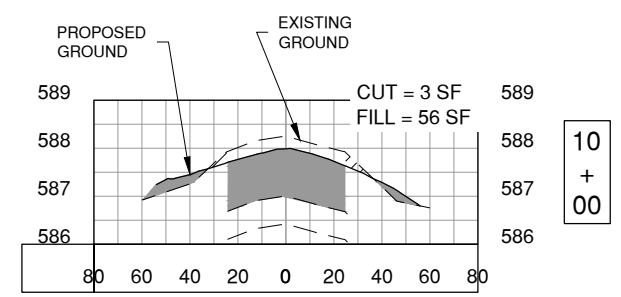
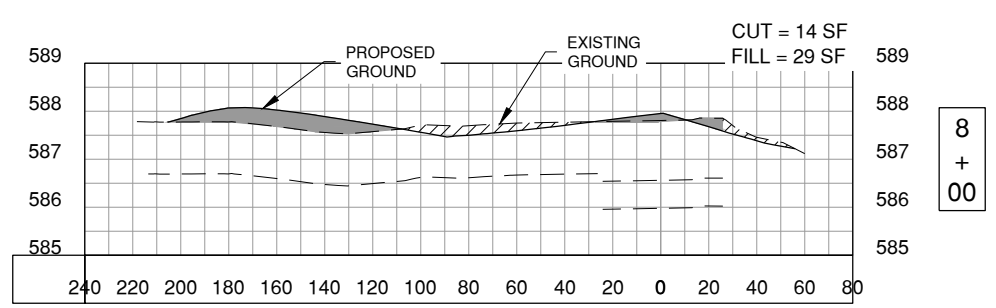
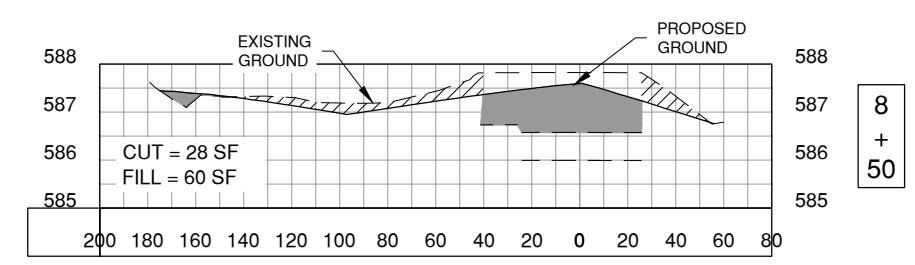
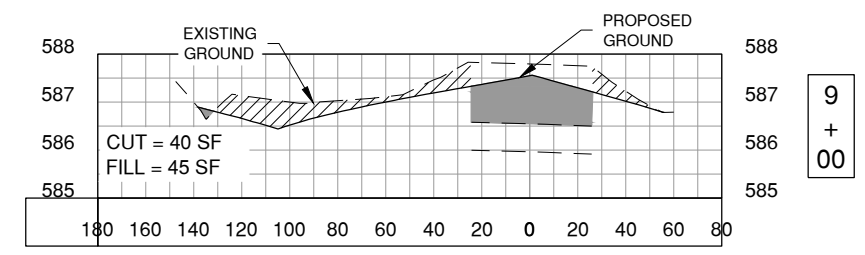


**SPRINGFIELD AIRPORT AUTHORITY**  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

**CROSS SECTIONS - TXY E REMOVALS 4**

CG717  
SHEET 90 OF 95

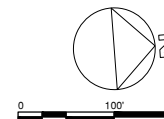


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JUNE 29, 2020

### RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1

OWNER



SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

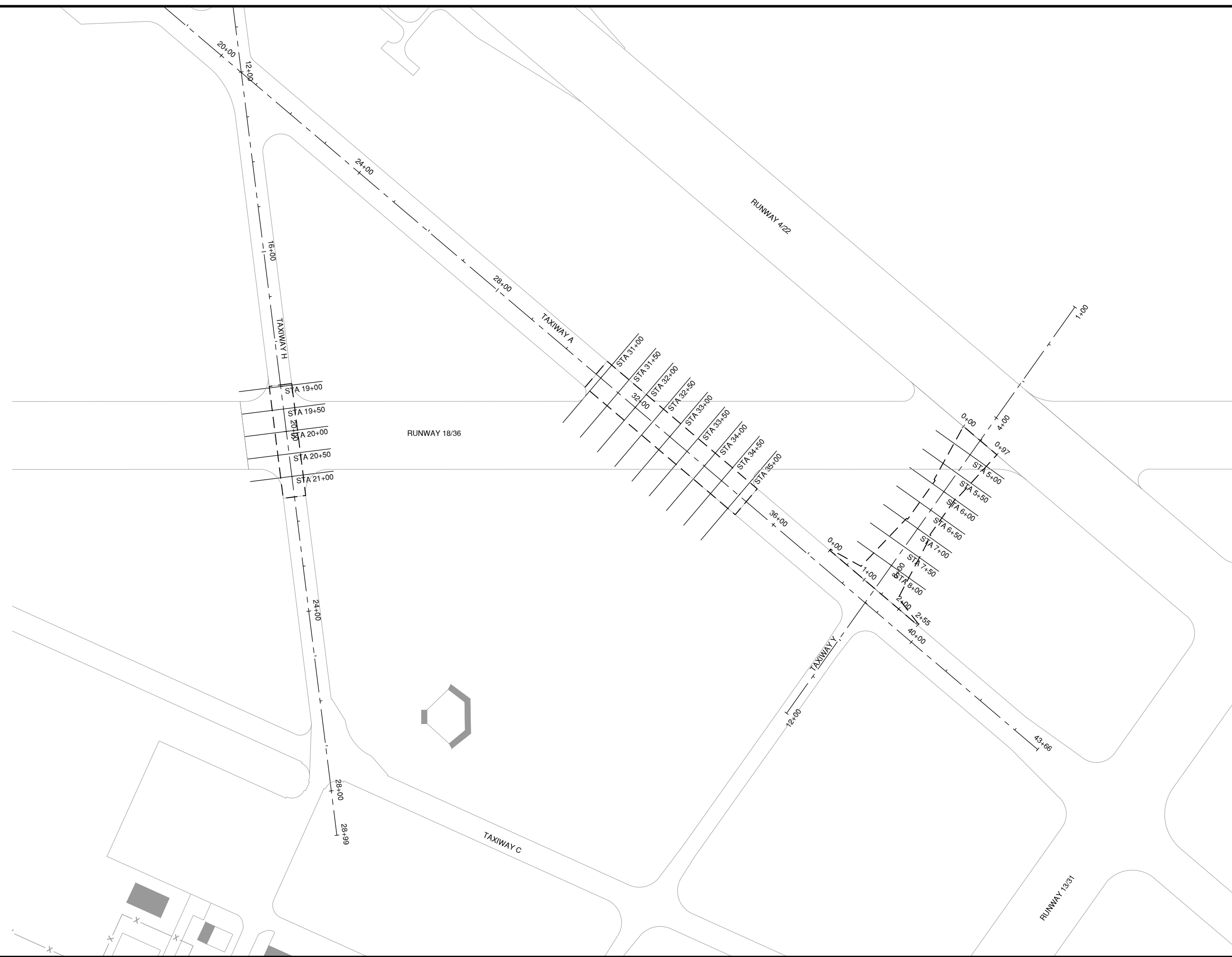
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IL PROJ. NO: SPI-4755	
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DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
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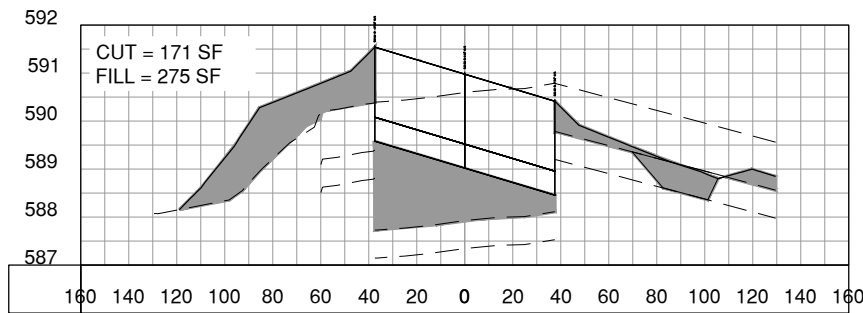
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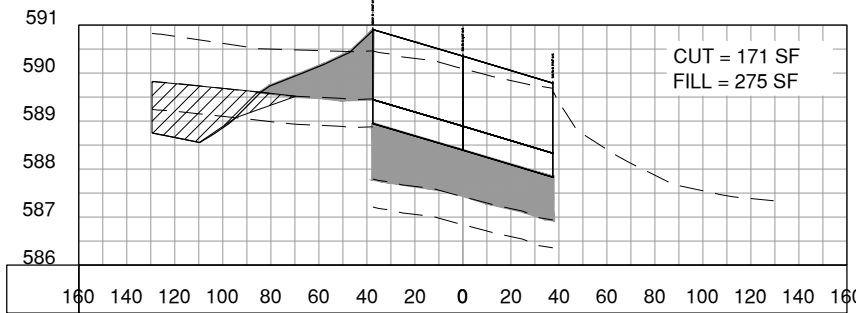
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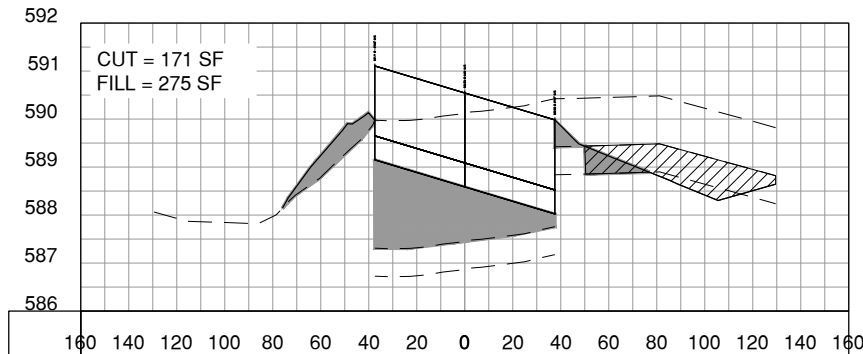
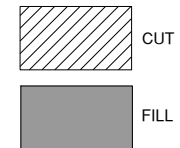
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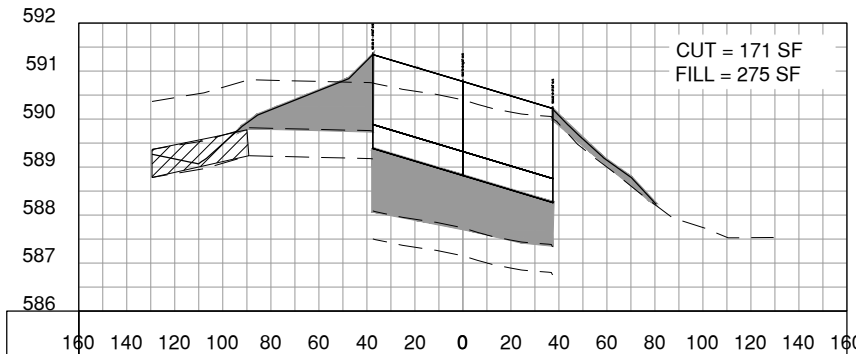
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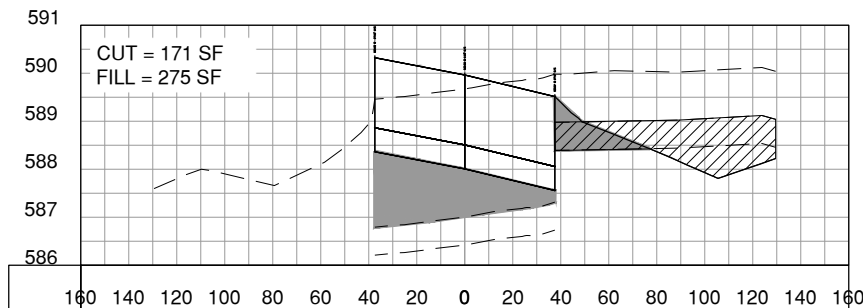
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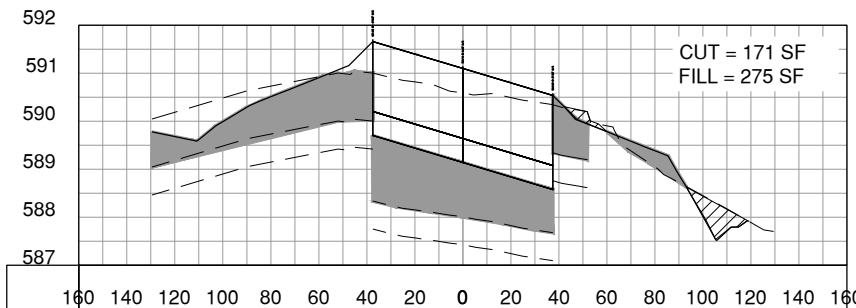
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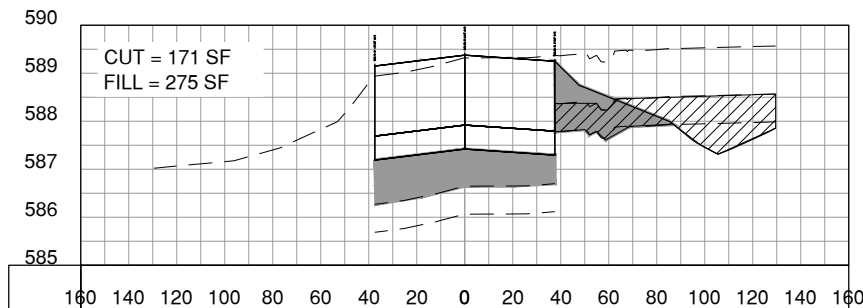
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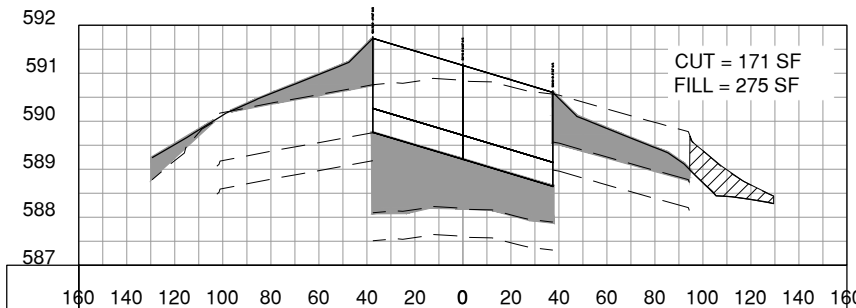
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33  
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31  
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33  
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JUNE 29, 2020

RUNWAY 18/36 REMOVAL AND  
ASSOCIATED IMPROVEMENTS,  
PHASE 1

OWNER

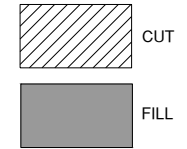


SPRINGFIELD AIRPORT  
AUTHORITY  
ABRAHAM LINCOLN CAPITAL  
AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA021
IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-CG800 TXYXSEC.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE  
CROSS SECTIONS -  
TAXIWAY A 1



License No. 184-000613

CONSULTANTS

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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER

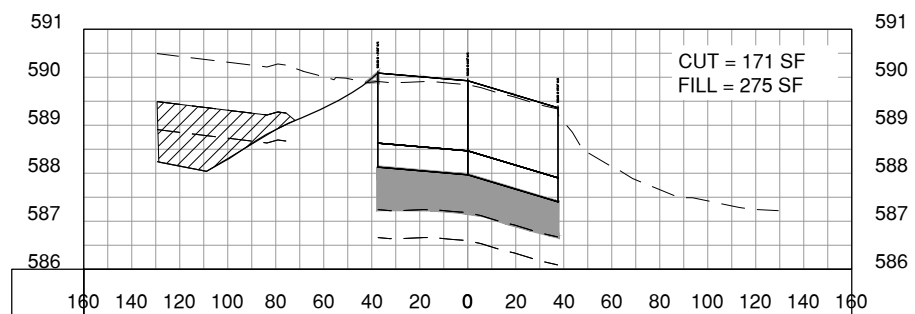


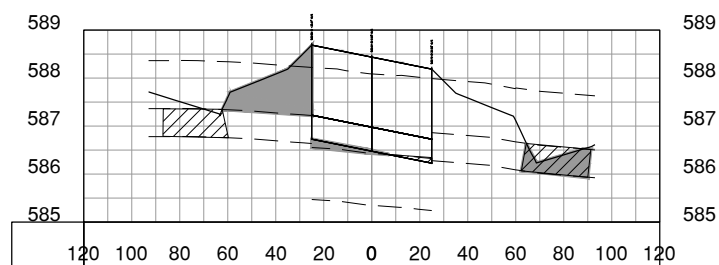
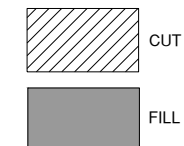
SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

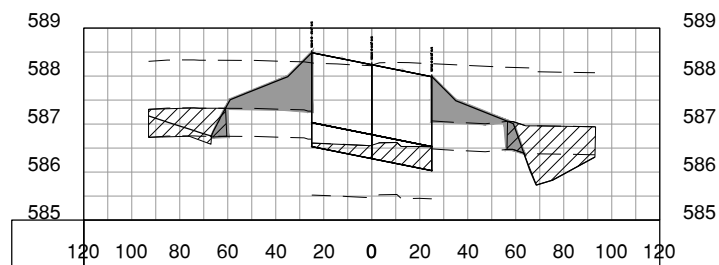
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IL PROJ. NO: SPI-4755	
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CAD DWG FILE: 18003505-PH1-CG800 TXYXSEC.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE  
**CROSS SECTIONS - TAXIWAY A 2**

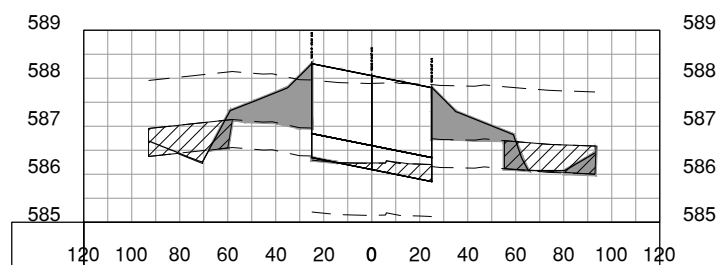




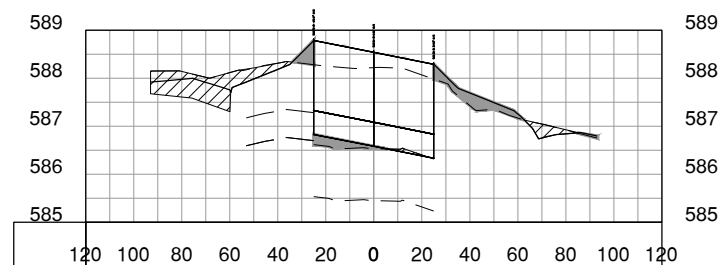
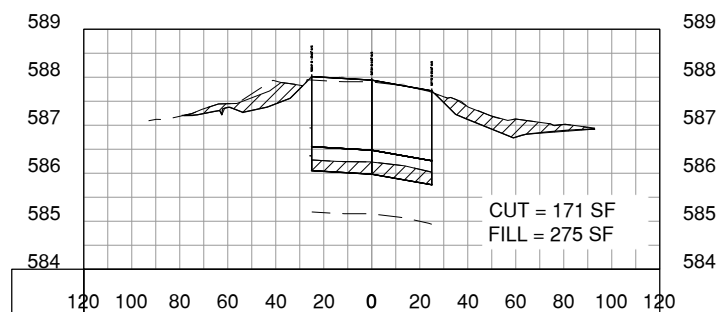
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FILL = 275 SF



CUT = 171 SF  
FILL = 275 SF



CUT = 171 SF  
FILL = 275 SF



CUT = 171 SF  
FILL = 275 SF

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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 1**

OWNER

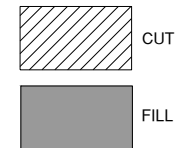


SPRINGFIELD AIRPORT AUTHORITY  
ABRAHAM LINCOLN CAPITAL AIRPORT  
SPRINGFIELD, IL

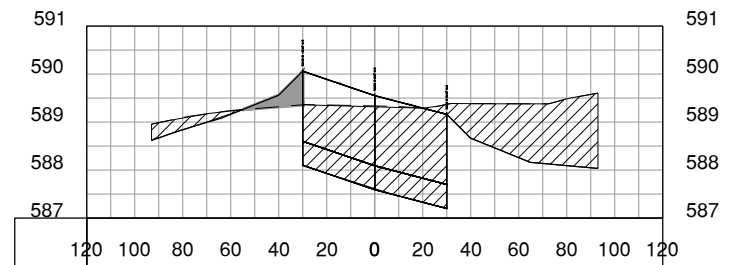
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IL PROJ. NO: SPI-4755	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH1-CG800 TXYXSEC.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
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APPROVED BY: RLV	
COPYRIGHT:	

SHEET TITLE  
**CROSS SECTIONS - TAXIWAY H**

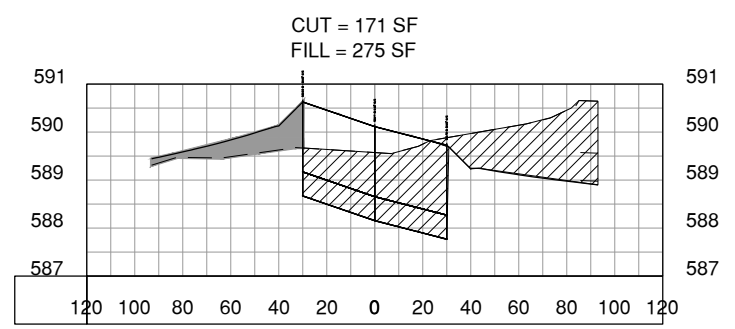


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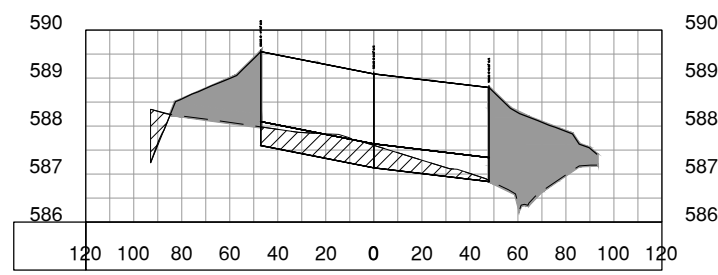
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CUT = 171 SF  
FILL = 275 SF



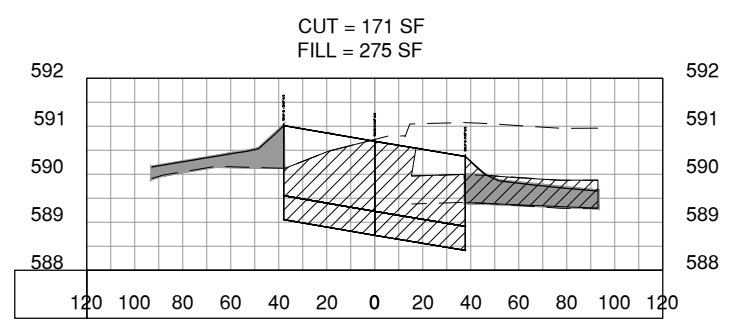
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CUT = 171 SF  
FILL = 275 SF



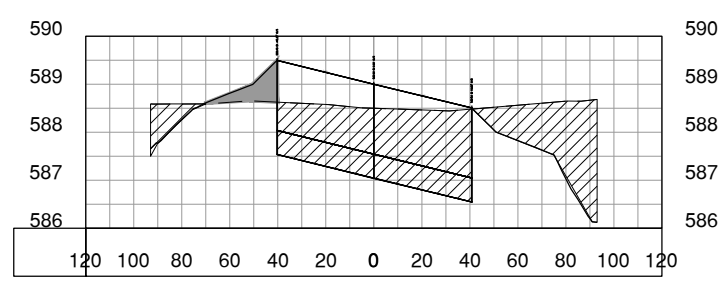
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CUT = 171 SF  
FILL = 275 SF



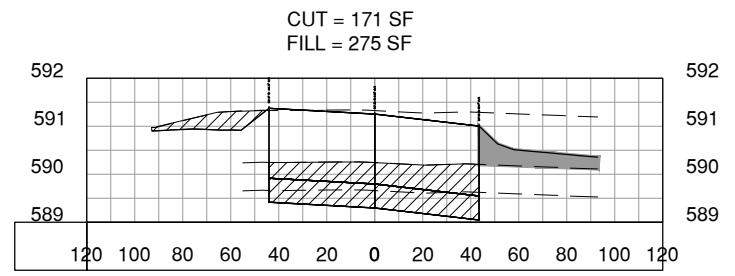
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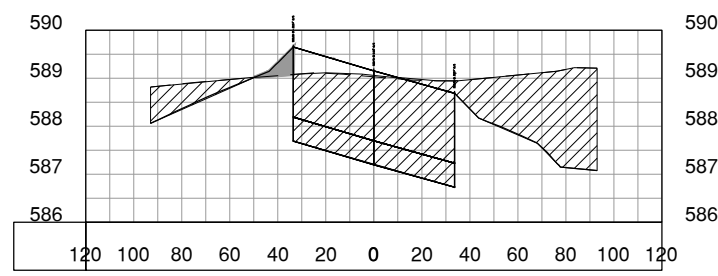
**7  
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CUT = 171 SF  
FILL = 275 SF



**5  
+  
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CUT = 171 SF  
FILL = 275 SF



**7  
+  
00**

CUT = 171 SF  
FILL = 275 SF

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JUNE 29, 2020

**RUNWAY 18/36 REMOVAL AND  
ASSOCIATED IMPROVEMENTS,  
PHASE 1**

OWNER



SPRINGFIELD AIRPORT  
AUTHORITY  
ABRAHAM LINCOLN CAPITAL  
AIRPORT  
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	CA021
IL PROJ. NO:	SPI-4755	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH1-CG800 TXYXSEC.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
COPYRIGHT:		

SHEET TITLE  
**CROSS SECTIONS -  
TAXIWAY Y**

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