

CONSTRUCTION PLANS FOR ABRAHAM LINCOLN CAPITAL AIRPORT

SPRINGFIELD AIRPORT AUTHORITY SPRINGFIELD, IL

**IL. PROJ. NO: SPI-4908
 AIP PROJ. NO: 3-17-0096-XX**

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

APRIL 30, 2021

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

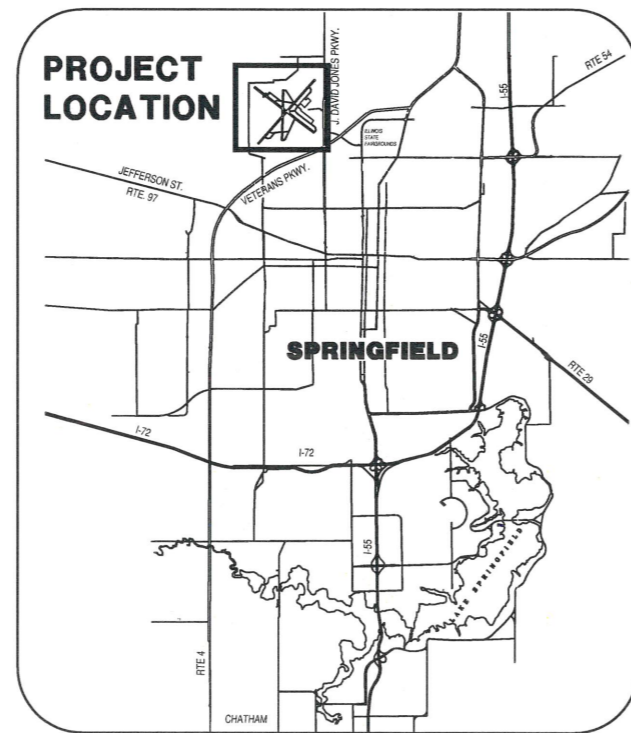
TAXIWAY CONSTRUCTION

APPROACH CATEGORY C
 AIRPLANE DESIGN GROUP III
 TAXIWAY DESIGN GROUP 3

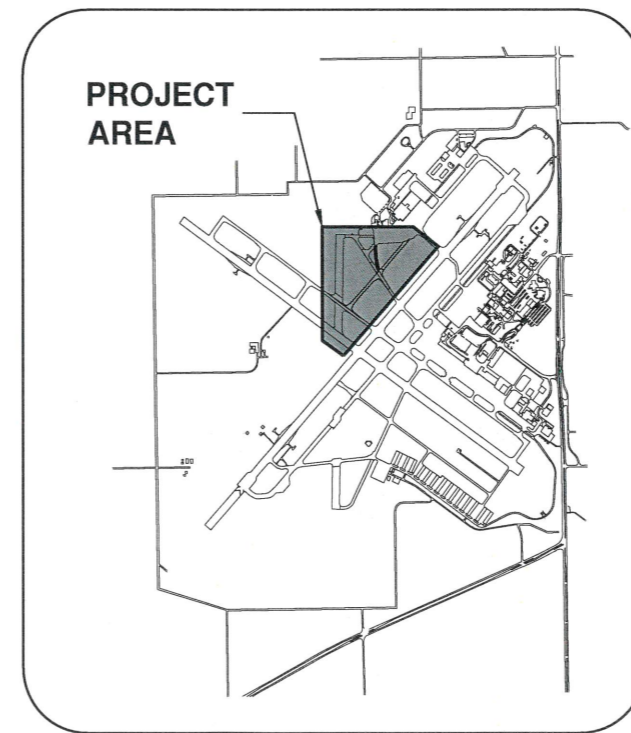
TAXIWAY SAFETY AREA: 118'
 TAXIWAY OBJECT FREE AREA: 186'
 TAXIWAY WIDTH: 50'
 RUNWAY SAFETY AREA: 500'

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

W. H. [Signature]
 4/30/21
 WESLEY IOERGER
 082.089455
 LICENSED PROFESSIONAL ENGINEER
 STATE OF ILLINOIS
 EXPIRES: 11/30/2021

SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, ILLINOIS

APPROVED *[Signature]*
 EXECUTIVE DIRECTOR OF AVIATION

DATE 4/30/2021

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

SUBMITTED BY *[Signature]*
 DATE 4/30/2021

CMT JOB NUMBER: 180035-05-00



License No. 184-000613

CONSULTANTS

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY ABRAHAM LINCOLN CAPITAL AIRPORT SPRINGFIELD, IL

MARK DATE DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX CA022

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-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 109

Sheet List Table with columns: Sheet Index, Sheet Number, Sheet Title. Lists sheets 1 through 59 including COVER SHEET, AIRPORT SITE PLAN, CONSTRUCTION ACTIVITY PLAN NOTES, and STORM SEWER DETAILS.

Sheet List Table with columns: Sheet Index, Sheet Number, Sheet Title. Lists sheets 60 through 109 including HOME RUN, LIGHTING & SIGNAGE PLAN, ELECTRICAL SCHEDULES, and TAXIWAY G WEST CROSS SECTIONS.





SUMMARY OF QUANTITIES BASE BID - CONSTRUCT TAXIWAY G WEST. Table with columns: ITEM NO., ITEM DESCRIPTION, UNITS, QTY. Lists items like 1/2" #8 5 KV UG CABLE, LIGHTING, ELECTRICAL DETAILS, etc.

ADDITIVE ALTERNATE 1 - REMOVE MISC PAVEMENTS. Table with columns: ITEM NO., ITEM DESCRIPTION, UNITS, QTY. Lists items like REMOVE ELECTRICAL EQUIPMENT, REMOVE STAKE MOUNTED LIGHT, etc.

SUMMARY OF QUANTITIES ADDITIVE ALTERNATE 2 - REMOVE RWY 18/36 NORTH. Table with columns: ITEM NO., ITEM DESCRIPTION, UNITS, QTY. Lists items like INLET PROTECTION, BITUMINOUS PAVEMENT MILLING, etc.

SUMMARY OF QUANTITIES ADDITIVE ALTERNATE 3 - CONSTRUCT TXY G EAST. Table with columns: ITEM NO., ITEM DESCRIPTION, UNITS, QTY. Lists items like 1/2" #8 5 KV UG CABLE, PAVEMENT MARKING, etc.

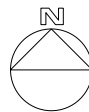
LEGEND

-  PAVEMENT REMOVALS
-  NEW PAVEMENT
-  HMA OVERLAY
-  AIRPORT FENCE



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

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



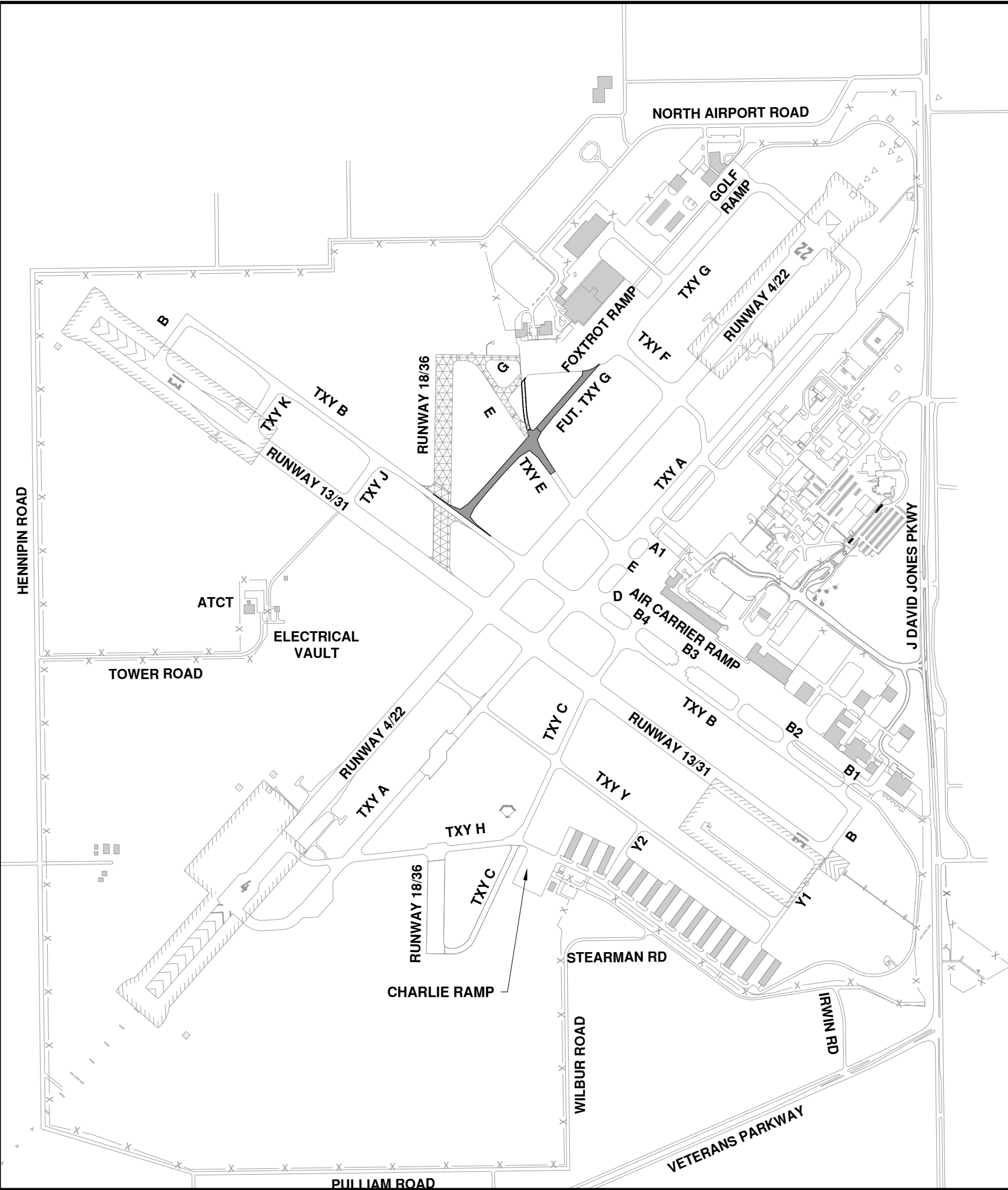
SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO:	3-17-0096-XX	CA022
IL PROJ. NO:	SPI-4908	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH2-GI101.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
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SHEET TITLE
AIRPORT SITE PLAN

SHEET 3 OF 109
 GI101
 OF 109



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

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 Date: Thursday, April 29, 2021 10:21:26 AM

0. GENERAL

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

1. COORDINATION

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

2. PHASING

- 1. PHASING SHALL BE AS NOTED BELOW AND AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN (CAP) SHEETS.

3. AREAS AND OPERATIONS AFFECTED BY THE CONSTRUCTION ACTIVITY

- 1. ALL RUNWAYS, TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS ALLOWED IN THE PLANS.
- 2. WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT.
- 3. ALL CONSTRUCTION TRAFFIC SHALL IMMEDIATELY YIELD TO ONCOMING AIRCRAFT AT ALL TIMES.

4. PROTECTION OF NAVIGATION AIDS (NAVAIDS)

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

5. CONTRACTOR ACCESS

- 1. CONTRACTOR ACCESS SHALL BE AS NOTED BELOW AND AS SHOWN IN THE PLANS. ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 2. THE CONTRACTOR IS TO ACCESS THE SITE USING THE GATES SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE ACCESS GATE(S) CLOSED DURING WORK HOURS OR THE CONTRACTOR SHALL POST A COMPETENT SECURITY GUARD TO CONTROL ACCESS AT THE GATE. THE CONTRACTOR SHALL REPLACE ANY UNSATISFACTORY SECURITY GUARDS AS DIRECTED.
- 3. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND TEMPORARY EASEMENTS FOR THE PUBLIC ACCESS ROAD(S) SHOWN AND SHALL COMPLY WITH ALL REQUIREMENTS, LOAD RESTRICTIONS, & TRAFFIC CONTROL SIGNAGE REQUIRED BY THE CITY, COUNTY, TOWNSHIP, OR I.D.O.T.
- 4. CONTRACTOR EMPLOYEES MAY BE REQUIRED TO OBTAIN AN AIRPORT IDENTIFICATION BADGE. THIS CONSISTS OF FILLING OUT ALL NECESSARY PAPERWORK, FINGERPRINTING, ATTENDING AND PASSING A TRAINING CLASS CONCERNING SAFETY AND SECURITY AT THE AIRPORT. CONTRACTOR EMPLOYEES MUST MEET BACKGROUND CHECK CRITERIA AND THE CONTRACTOR MUST MAKE CERTIFICATION ABOUT EACH EMPLOYEE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINGERPRINTING COSTS.
- 5. ALL CONTRACTOR EMPLOYEES WHO ARE DESIGNATED AS DRIVERS FOR THE CONTRACTOR WITHIN THE AIRFIELD OPERATIONS AREA (AOA) SHALL ALSO ATTEND AND PASS THE AIRPORT DRIVERS TRAINING PROGRAM. ONLY THOSE INDIVIDUALS WHO RECEIVE THIS DESIGNATION WILL BE PERMITTED TO OPERATE VEHICLES OR EQUIPMENT ON THE AIRPORT. ALL COSTS ASSOCIATED WITH THE DRIVER TRAINING PROGRAM SHALL BE BORNE BY THE CONTRACTOR.

- 6. CONTRACTOR'S VEHICLES AND EQUIPMENT SHALL BE MARKED AND FLAGGED PER THE PLAN DETAILS AND SPECIFICATIONS. MAXIMUM HEIGHT OF CONTRACTOR'S EQUIPMENT WILL BE 25'.

- 7. DRIVERS OF TRUCKS CONTAINING MATERIAL DELIVERIES (AGGREGATE, CONCRETE, ETC.) WILL NOT NEED TO OBTAIN AN AIRPORT ID BADGE BUT SHALL BE REQUIRED TO SUBMIT THEIR NAME, DRIVER'S LICENSE NUMBER, TRUCK LICENSE PLATE NUMBER AND NAME OF TRUCKING COMPANY TO THE PRIME CONTRACTOR PRIOR TO ENTERING THE JOBSITE. WHILE INSIDE THE AOA, THE TRUCK DRIVERS SHALL BE UNDER THE CONTROL OF AND SUPERVISED BY THE CONTRACTOR.

- 8. CONTRACTOR WORK CREWS MUST MAINTAIN RADIO CONTACT WITH AIR TRAFFIC AND THE AIR TRAFFIC CONTROL TOWER (ATCT) AT ALL TIMES WHEN WITHIN THE MOVEMENT AREA. THE CONTRACTOR SHALL SUPPLY ALL APPROPRIATE RADIOS NEEDED FOR COMMUNICATIONS AND ONLY HIS PERSONNEL WHO HAVE SUCCESSFULLY PASSED THE APPROVED AIRPORT TESTS MAY OPERATE THESE RADIOS.

- 9. ALL CONSTRUCTION TRAFFIC OPERATING ON, OR CROSSING RUNWAYS, TAXIWAYS AND APRONS OPEN TO AIRCRAFT TRAFFIC SHALL BE UNDER CONTROL BY A FLAGMAN OR ESCORT IN RADIO CONTACT WITH THE ATCT. THE CONTRACTOR SHALL PROVIDE HIS OWN FLAGMEN.

- 10. THE CONTRACTORS STORAGE AND STAGING AREAS WILL BE AS SHOWN IN THE PLANS.

- 11. THE CONTRACTOR SHALL KEEP A RECORD OF THE NAMES OF ALL EMPLOYEES ENTERING THE JOB SITE ON A DAILY BASIS. A RECORD OF EACH SUBCONTRACTOR ENTERING THE JOB SITE SHALL ALSO BE KEPT BY THE CONTRACTOR.

- 12. WHEN THE CONTRACTOR IS NOT WORKING, EQUIPMENT SHALL BE RETURNED TO & STORED AT THE STAGING AREA.

- 13. DURING ADVERSE WEATHER THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF THE CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO THE WORK SITE.

- 14. THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS ONLY AT THE LOCATIONS SHOWN. PARKED EQUIPMENT AND MATERIAL STOCKPILES SHALL NOT PENETRATE SURFACES DEFINED BY F.A.R. TITLE 14 PART 77 - OBJECTS AFFECTING NAVIGABLE AIRSPACE. EXISTING TURF AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE ENGINEER AND THE AIRPORT.

- 15. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL CONSTRUCTION AREAS AND HAUL ROUTES WHICH ARE OR WILL BE OPENED TO AIR TRAFFIC TO THE SATISFACTION OF THE AIRPORT. A POWER BROOM AND OPERATOR SHALL BE ON SITE AT ALL TIMES WHEN ACTIVE PAVEMENTS ARE UTILIZED FOR CONSTRUCTION TRAFFIC.

5. CONTRACTOR ACCESS (CONTINUED)

- 16. ALL PAVEMENTS, DRIVES OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED TO THE SAME CONDITION OR BETTER THAN THEY WERE PRIOR TO BEGINNING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR THIS WORK.
- 17. ALL VEHICLE AND EQUIPMENT OPERATORS USED BY THE CONTRACTOR SHALL BE PROPERLY TRAINED BY THE CONTRACTOR.
- 18. THE CONTRACTOR SHALL NOTIFY THE AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) FACILITY IF CONSTRUCTION ACTIVITY MAY REQUIRE THE BLOCKAGE OF EMERGENCY ACCESS TO THE AIRPORT.

6. WILDLIFE MANAGEMENT

- 1. THE CONTRACTOR SHALL NOTIFY THE AIRPORT IF ANY WILDLIFE IS SEEN ON OR ENTERING THE AIRPORT.
- 2. CONTRACTOR ACCESS GATES SHALL REMAIN CLOSED WHEN THE CONTRACTOR IS NOT WORKING.
- 3. THE CONTRACTOR SHALL DISPOSE OF ALL TRASH INCLUDING FOOD SCRAPS IN APPROVED CONTRACTOR PROVIDED CONTAINERS.
- 4. THE CONTRACTOR SHALL CONTROL GRASS HEIGHTS THROUGH MOWING TO ASSIST WITH WILDLIFE CONTROL.

7. FOREIGN OBJECT DEBRIS (FOD) MANAGEMENT

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

8. HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT

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

9. NOTIFICATION OF CONSTRUCTION ACTIVITIES

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

10. INSPECTION REQUIREMENTS

- 1. THE CONTRACTOR SHALL INSPECT THE JOBSITE DAILY TO ENSURE COMPLIANCE WITH THE CSPP. THE CHECKLIST FOUND IN APPENDIX 3 OF FAA AC 150/5370-2 (LATEST VERSION) MAY BE USED TO AID IN THE INSPECTIONS.
- 2. THE CONTRACTOR SHALL REQUEST AND ATTEND AN INSPECTION OF EACH PHASE WORK AREA PRIOR THE AREA BEING REOPENED. THE AIRPORT WILL DETERMINE IF THE WORK AREA IS SUITABLE TO BE OPENED.

11. UNDERGROUND UTILITIES

- 1. IT WILL BE NECESSARY FOR THE CONTRACTOR TO MAKE HIS OWN FIELD INVESTIGATION TO DETERMINE THE EXACT LOCATION OF THE UNDERGROUND UTILITIES AT CRITICAL POINTS. THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY IN RESPECT TO THE ACCURACY, COMPLETENESS OR SUFFICIENCY OF THE INFORMATION. ANY UTILITY, INCLUDING AIRFIELD ELECTRICAL CABLE AND LIGHTS, DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY HIM AT HIS OWN EXPENSE IN A MANNER WHICH IS SATISFACTORY TO THE ENGINEER AND TO THE OWNER OF THE UTILITY. ANY REPAIRS THAT MUST BE MADE BY THE OWNER OF THE UTILITY SHALL HAVE THE COST REIMBURSED TO THE UTILITY BY THE CONTRACTOR. AIRFIELD LIGHTING CABLES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY A QUALIFIED ELECTRICIAN WITH THE COSTS TO BE BORNE BY THE CONTRACTOR.
- 2. BEFORE INITIATING ANY DIGGING, DRILLING OR EXCAVATING ON THE AIRPORT PROPERTY, THE CONTRACTOR SHALL CALL J.U.L.I.E. THE AIRPORT, AND CONTACT THE LOCAL FAA OFFICE (847-294-7336) TO ARRANGE FOR UTILITY LOCATES.

12. PENALTIES

- 1. NONCOMPLIANCE BY THE CONTRACTOR WITH AIRPORT RULES AND REGULATIONS OR FAILURE TO COMPLY WITH THE AIRPORT'S APPROVED CSPP, THE CONTRACTOR'S APPROVED SPCD OR THE SECURITY PLAN MAY RESULT IN FINES AS ALLOWED BY LAW.
- 2. FINES CAN BE LEVIED AGAINST THE CONTRACTOR BY THE TRANSPORTATION SECURITY ADMINISTRATION (TSA) FOR NEGLIGENCE IF THE AIRPORT SECURITY IS COMPROMISED AND THE AIRPORT PERIMETER FENCE LINE IS NOT MAINTAINED AS SPECIFIED ABOVE. FINES CAN ALSO BE LEVIED AGAINST THE CONTRACTOR FOR FAILURE TO COOPERATE WITH THE AIRPORT MANAGEMENT AS REQUIRED TO MAINTAIN AIRPORT SECURITY.

13. SPECIAL CONDITIONS

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

14. RUNWAY AND TAXIWAY VISUAL AIDS

- 1. ALL RUNWAYS, TAXIWAYS, AND APRONS SHALL BE KEPT OPEN TO AIRPORT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED IN THE PLANS.
- 2. IF ANY RUNWAY OR TAXIWAY CLOSURES ARE REQUESTED BY THE CONTRACTOR AND APPROVED BY THE AIRPORT, THE CONTRACTOR SHALL USE MARKING, LIGHTING AND SIGNS THAT FOLLOWING THE REQUIREMENTS OF THE PLANS & FAA AC 150/5370-2 (LATEST VERSION.)
- 3. IMMEDIATELY UPON THE INITIATION OF EACH PROJECT PHASE, THE CONTRACTOR SHALL DE-ENERGIZE OR COVER LIGHTS FOR ALL CLOSED RUNWAYS AND TAXIWAYS DURING PAVEMENT CLOSURES. TEMPORARILY COVER OR DE-ENERGIZE AIRFIELD SIGNAGE AS SHOWN ON THE CONSTRUCTION ACTIVITY PLAN SHEETS.

15. MARKING AND SIGNS FOR ACCESS ROUTES

- 1. BARRICADES AND SIGNS SHALL BE USED ALONG THE CONTRACTOR'S ACCESS ROUTE AS DETAILED IN THE PLANS.

16. HAZARD MARKING AND LIGHTING

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

17. WORK ZONE LIGHTING FOR NIGHTTIME CONSTRUCTION

- 1. THE CONTRACTOR SHALL PROVIDE ADEQUATE LIGHTING DURING NIGHTTIME CONSTRUCTION.
- 2. ARTIFICIAL AREA LIGHTING SHALL CONSIST OF VEHICLE OR POLE MOUNTED FLOODLIGHTS OF SUFFICIENT NUMBER TO ILLUMINATE THE WORK AREA. VEHICLE HEADLIGHTS WILL ONLY BE ALLOWED IN ADDITION TO THE AREA LIGHTING.
- 3. ARTIFICIAL AREA LIGHTING SHALL NOT INTERFERE WITH AIR TRAFFIC OR ATCT OPERATIONS.
- 4. PLACEMENT & AIMING OF ARTIFICIAL LIGHTING SHALL BE APPROVED BY THE AIRPORT PRIOR TO START OF OPERATIONS.

18. PROTECTION OF AREAS & SURFACES

- 1. ALL WORK REQUIRED INSIDE OF THE RUNWAY 4-22, 13-31 OR 18/36 SAFETY AREAS, WHICH EXTENDS 250' FROM THE RUNWAY CENTERLINE, WILL REQUIRE THE RUNWAY TO BE CLOSED. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 72 HOURS PRIOR TO THE REQUESTED CLOSURE TIME.
- 2. ALL WORK REQUIRED ON AN ACTIVE TAXIWAY OR INSIDE OF AN ACTIVE TAXIWAY OBJECT FREE AREA, WHICH EXTENDS 93' FROM THE TAXIWAY CENTERLINE, WILL REQUIRE THE TAXIWAY TO BE CLOSED. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 72 HOURS PRIOR TO THE REQUESTED CLOSURE TIME.
- 3. ALL WORK REQUIRED ON AN ACTIVE TAXILANE OBJECT FREE AREA, WHICH EXTENDS 81' FROM THE TAXILANE/APRON CENTERLINE, WILL REQUIRE A PORTION OF THAT APRON TO BE CLOSED. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT A MINIMUM OF 72 HOURS PRIOR TO THE REQUESTED CLOSURE TIME.

(NOTES CONTINUE ON SHEET GC002)



License No. 184-000613

CONSULTANTS

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



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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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SHEET TITLE

CONSTRUCTION ACTIVITY PLAN NOTES 1

SHEET **4** OF **109**

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Date: Thursday, April 29, 2021 10:21:52 AM

(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.



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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



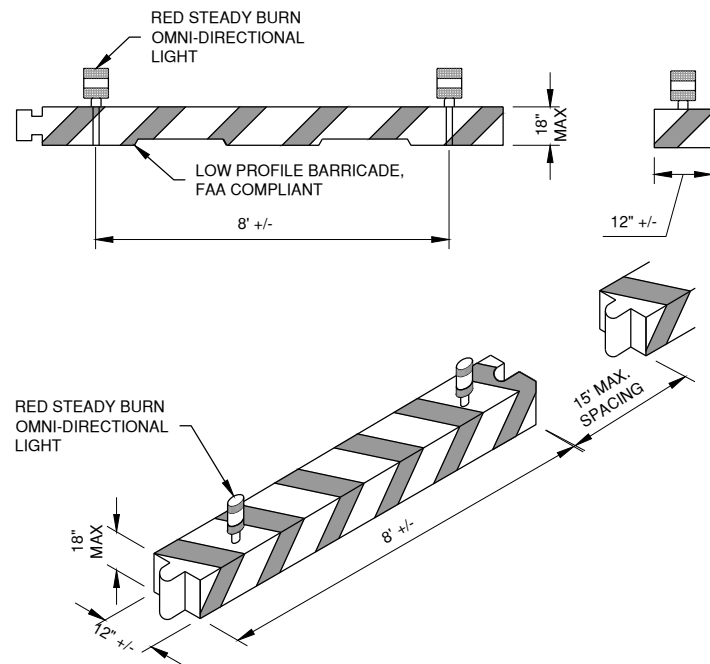
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-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**

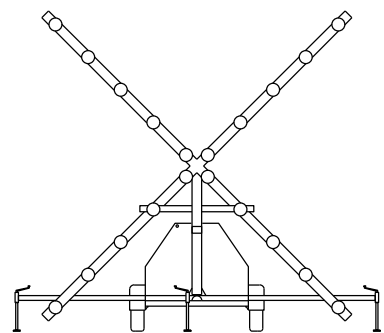
GC002
SHEET 5 OF 109



1 BEAM BARRICADE DETAIL
N.T.S.

BEAM BARRICADE NOTES

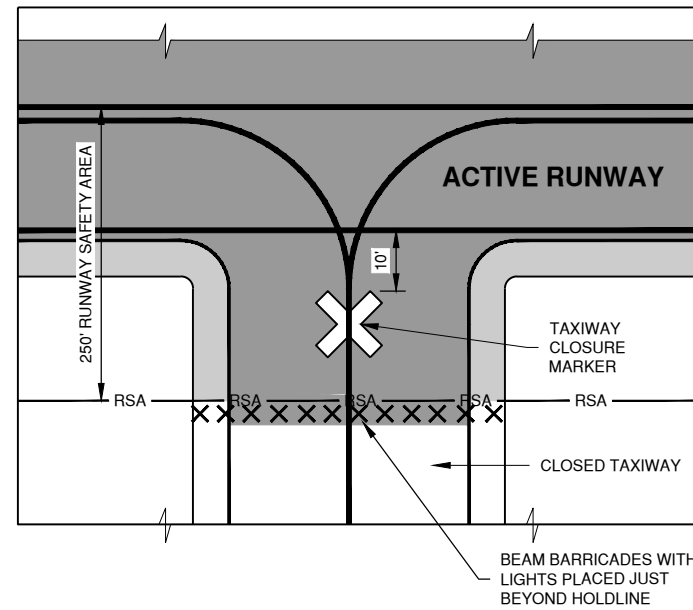
- BARRICADE SHALL BE WEIGHTED TO WITHSTAND DISPLACEMENT BY WIND, JET OR PROP BLAST.
- BARRICADE MUST BE OF LOW MASS AND EASILY COLLAPSIBLE UPON CONTACT WITH AN AIRCRAFT.
- NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- PLACE AS SHOWN IN PLANS AND AS DIRECTED BY THE ENGINEER.
- BARRICADES SHALL BE COMPLIANT WITH FAA AC 150/5370-2 (LATEST VERSION).



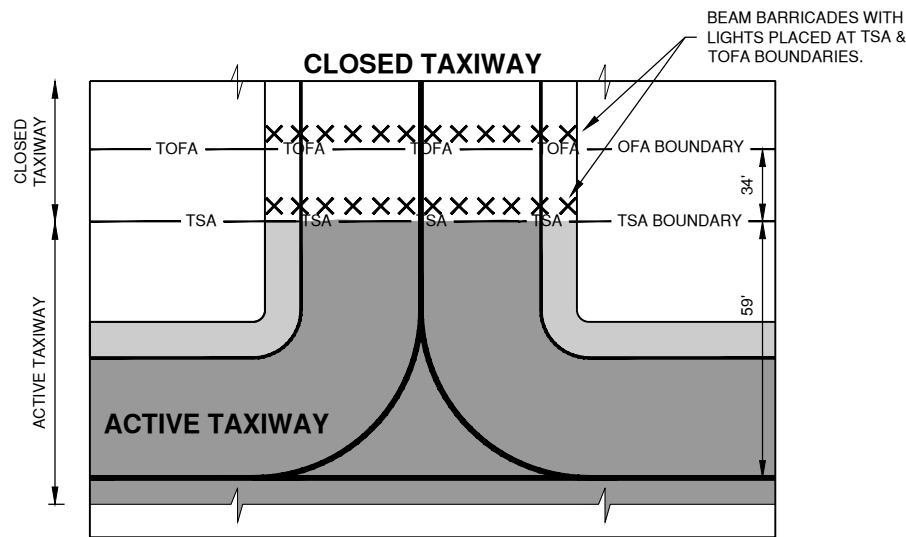
2 LIGHTED RUNWAY CLOSURE MARKER
N.T.S.

LIGHTED RUNWAY CLOSURE MARKER NOTES

- TO BE PLACED ON PAVEMENT AT THE RUNWAY NUMERALS FOR NIGHTTIME CLOSURE.
- THE CONTRACTOR SHALL PROVIDE TWO CLOSURE MARKERS (2 PAIR) AND MAINTAIN THEM (FUEL, OIL, LIGHT BULBS) WHEN USED DURING CONSTRUCTION CLOSURES.
- NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS ASSOCIATED WITH PROVIDING AND MAINTAINING THIS ITEM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.



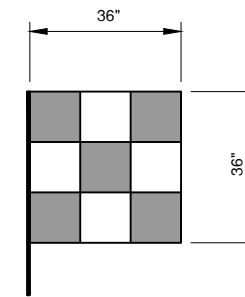
3 CLOSED TAXIWAY/ACTIVE RUNWAY BARRICADE DETAIL
N.T.S.



4 CLOSED TAXIWAY/ACTIVE TAXIWAY BARRICADE DETAIL
N.T.S.

NIGHT WORK RUNWAY CLOSURE NOTES

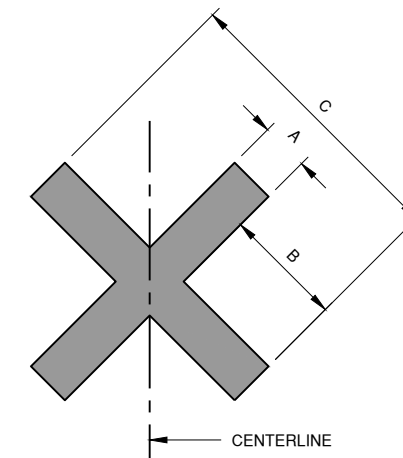
- WORK WITHIN THE RUNWAY SAFETY AREA MAY NOT BEGIN UNTIL THE RUNWAY HAS BEEN CLOSED, NAVAIDS DISABLED, EDGE LIGHTING, CENTERLINE LIGHTING, AND TDZ LIGHTING DISABLED IN THE VAULT AND THE LIGHTED CLOSURE MARKERS ARE IN PLACE.
- UPON COMPLETION OF WORK IN NIGHTTIME OFF-PEAK CLOSURE, NO EXCAVATIONS OR STOCKPILES SHALL EXIST IN EXCESS OF 3" AND ALL GRADES SHALL MEET FAA REQUIREMENTS. BARRICADES AND CLOSURE MARKERS SHALL BE REMOVED. AIRPORT OPERATIONS WILL INSPECT RUNWAY AT 4:30 AM.
- SEE SECTION 80 OF THE SPECIFICATIONS FOR INFORMATION REGARDING LIQUIDATED DAMAGES AND REOPENING THE RUNWAY.
- PRIOR TO REOPENING THE RUNWAY, THE CONTRACTOR SHALL SWEEP THE PAVEMENT AND REMOVE DEBRIS WITHIN THE RUNWAY SAFETY AREA.



5 EQUIPMENT & VEHICLE SIGNAL FLAG
N.T.S. (ORANGE / WHITE)

SIGNAL FLAG NOTES

- ALL CONTRACTOR VEHICLES AND EQUIPMENT SHALL DISPLAY COMPANY LOGO PLACARDS AND FLAG.
- WHEN WORKING PRIOR TO DAWN OR AFTER DUSK, A 360 DEGREE ROTATING AMBER BEACON IS REQUIRED ON ALL EQUIPMENT AND TRUCKS.
- CONTRACTOR SHALL REPLACE FLAGS THAT ARE WORN AND INEFFECTIVE.



DIMENSION		A	B	C
SYMBOL TYPE				
CLOSED TAXIWAY		5'-0"	12'-6"	30'-0"
CLOSED RUNWAY		10'-0"	25'-0"	60'-0"

6 NON-LIGHTED CLOSURE MARKER
N.T.S.

NOTES

- CLOSURE MARKERS SHALL BE SOLID YELLOW.
- MARKERS SHALL BE PLACED ON TAXIWAYS AT THE RUNWAY INTERSECTIONS INSIDE THE RUNWAY SAFETY AREA.
- MARKERS SHALL BE PLACED ON RUNWAYS TO COVER THE NUMERALS ON BOTH ENDS.
- MARKERS MAY BE CONSTRUCTED OF FABRIC, COLORED PLASTIC, PAINTED SHEETS OF PLYWOOD OR SIMILAR MATERIALS.
- MARKERS SHALL BE SECURED TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS. METHODS OF SECURING THE MARKERS SHALL NOT PROTRUDE MORE THAN 3" ABOVE THE PAVEMENT.



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RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



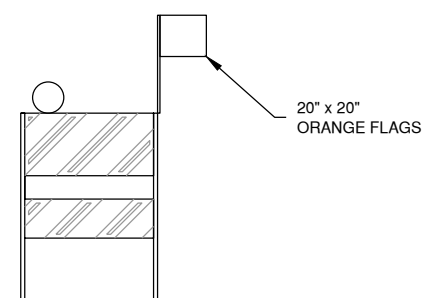
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA022
IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-GC000.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
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SHEET TITLE
**CONSTRUCTION
ACTIVITY PLAN
DETAILS 1**

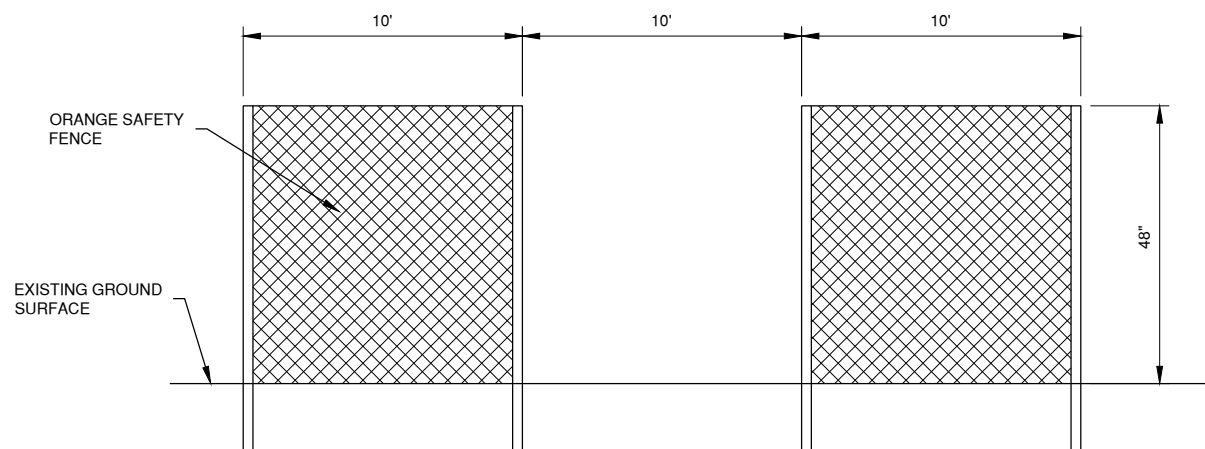
GC003
SHEET 6 OF 109



1 **FLASHER BARRICADE DETAIL - IDOT TYPE 1**
N.T.S.

FLASHER BARRICADE NOTES

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



2 **BARRIER FENCE**
N.T.S.

BARRIER FENCE NOTES

1. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM. COSTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
2. PLACE AT 10' INTERVALS.
3. PLACE AND MAINTAIN UNTIL REMOVAL ACCORDING TO CSPPP.

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



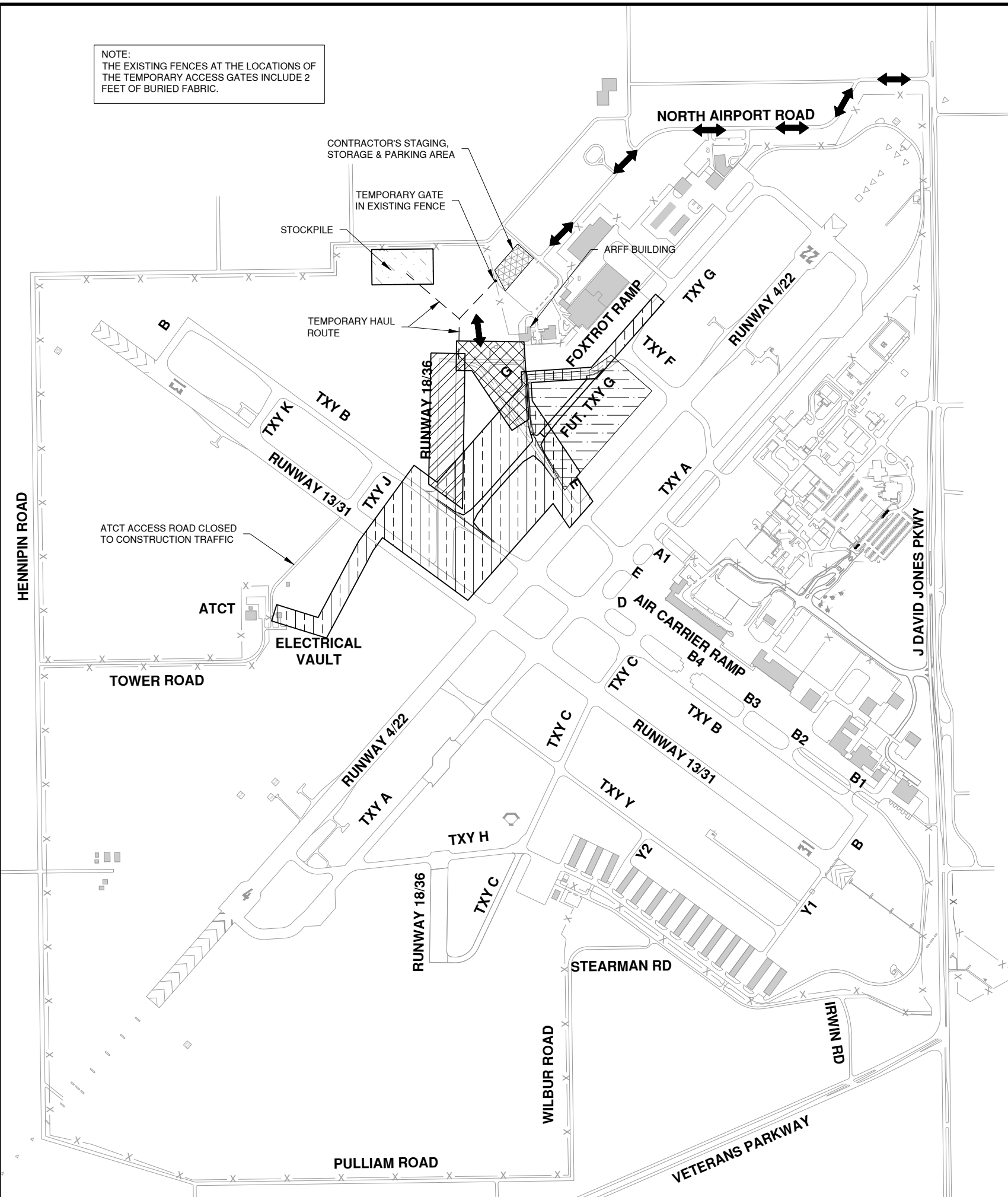
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ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

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SHEET TITLE
CONSTRUCTION ACTIVITY PLAN DETAILS 2

NOTE:
THE EXISTING FENCES AT THE LOCATIONS OF
THE TEMPORARY ACCESS GATES INCLUDE 2
FEET OF BURIED FABRIC.



LEGEND

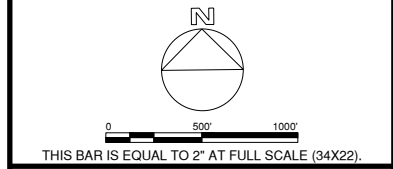
- CONTRACTOR'S STAGING, STORAGE AND PARKING AREA
- PROPOSED STOCKPILE AREA
- CONTRACTOR'S ACCESS
- TEMPORARY HAUL ROUTE
- TAXIWAY G WEST (BASE BID)
- MISCELLANEOUS PAVEMENT REMOVALS (ALT 1)
- RUNWAY 18/36 NORTH REMOVAL (ALT 2)
- TAXIWAY G EAST (ALT 3)

GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE 72 HOURS NOTICE PRIOR TO INITIATING WORK IN ANY PHASE.
2. THE CONTRACTOR SHALL PLACE ALL RUNWAY CLOSURE MARKERS, TAXIWAY CLOSURE MARKERS AND BARRICADES PRIOR TO BEGINNING WORK IN ANY PHASE.
3. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN ACTIVE PAVEMENTS DURING HAULING OPERATIONS AND AT THE END OF EACH WORKDAY.
4. AIRCRAFT & AIRPORT VEHICLES SHALL HAVE THE RIGHT OF WAY AT ALL TIMES.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS BETWEEN THE ARFF BUILDING AND THE AIRFIELD AT ALL TIMES.



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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

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ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

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AIP PROJ. NO: 3-17-0096-XX	CA022
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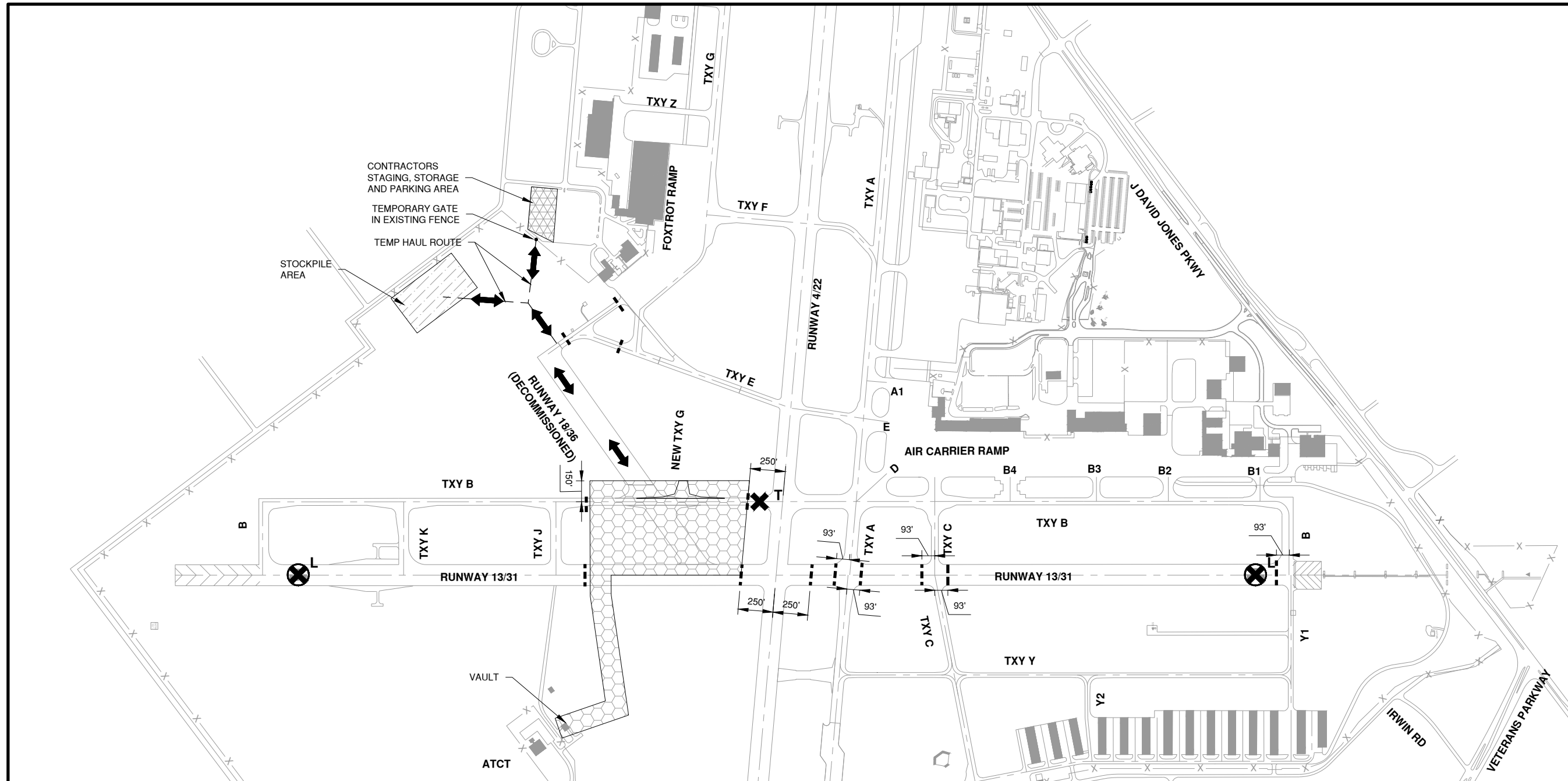
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CONST. ACTIVITY PLAN OVERVIEW & SITE ACCESS

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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER


 SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, IL

LEGEND

- WORK AREA A - BASE BID
- CONTRACTOR'S STAGING & STORAGE
- STOCKPILE
- BEAM BARRICADES
- LIGHTED RUNWAY CLOSURE MARKER
- TAXIWAY CLOSURE MARKER (TEMPORARY)
- CONTRACTOR'S ACCESS ROUTE

PAVEMENT STATUS TABLE

BASE BID PAVEMENT	WORK AREA A STATUS
RUNWAY 18/36	DECOMMISSIONED
RUNWAY 4/22	OPEN
RUNWAY 13/31	CLOSED
TAXIWAY A	OPEN
TAXIWAY B	CLOSED NORTH OF RWY 4/22
TAXIWAY C	OPEN
TAXIWAY E	OPEN
EXISTING TAXIWAY G	OPEN
NEW TAXIWAY G	CLOSED
TAXIWAY H	OPEN
TAXIWAY J	CLOSED
TAXIWAY K	CLOSED
TAXIWAY Y	OPEN
TAXIWAY Y1	OPEN

WORK AREA A NOTES

1. THE CONTRACTOR WILL BE ALLOWED TO CLOSE RUNWAY 13/31 AND TAXIWAY B FOR A MAXIMUM OF 60 CALENDAR DAYS TO COMPLETE ALL WORK WITHIN WORK AREA A.
2. WORK AREA A MAY NOT BE CONCURRENTLY ACTIVE WITH WORK AREA C.
3. WORK TO BE COMPLETED WITHIN WORK AREA A SHALL, AS A MINIMUM, INCLUDE THE FOLLOWING MAJOR WORK ITEMS:
 - A. REMOVE, BACKFILL, AND TURF EXISTING RUNWAY 18/36 PAVEMENT.
 - B. STORM SEWER IMPROVEMENTS.
 - C. CONSTRUCT NEW HOME RUN CIRCUIT AND OTHER ELECTRICAL IMPROVEMENTS.
 - D. CONSTRUCT NEW TAXIWAY G WITHIN THE TAXIWAY B OFA.
 - E. INSTALL NEW RUNWAY 13/31 EDGE MARKING.

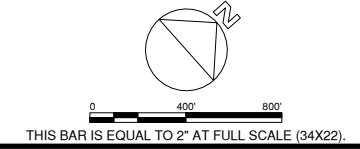
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MARK	DATE	DESCRIPTION

CONSTRUCTION ACTIVITY PLAN WORK AREA A



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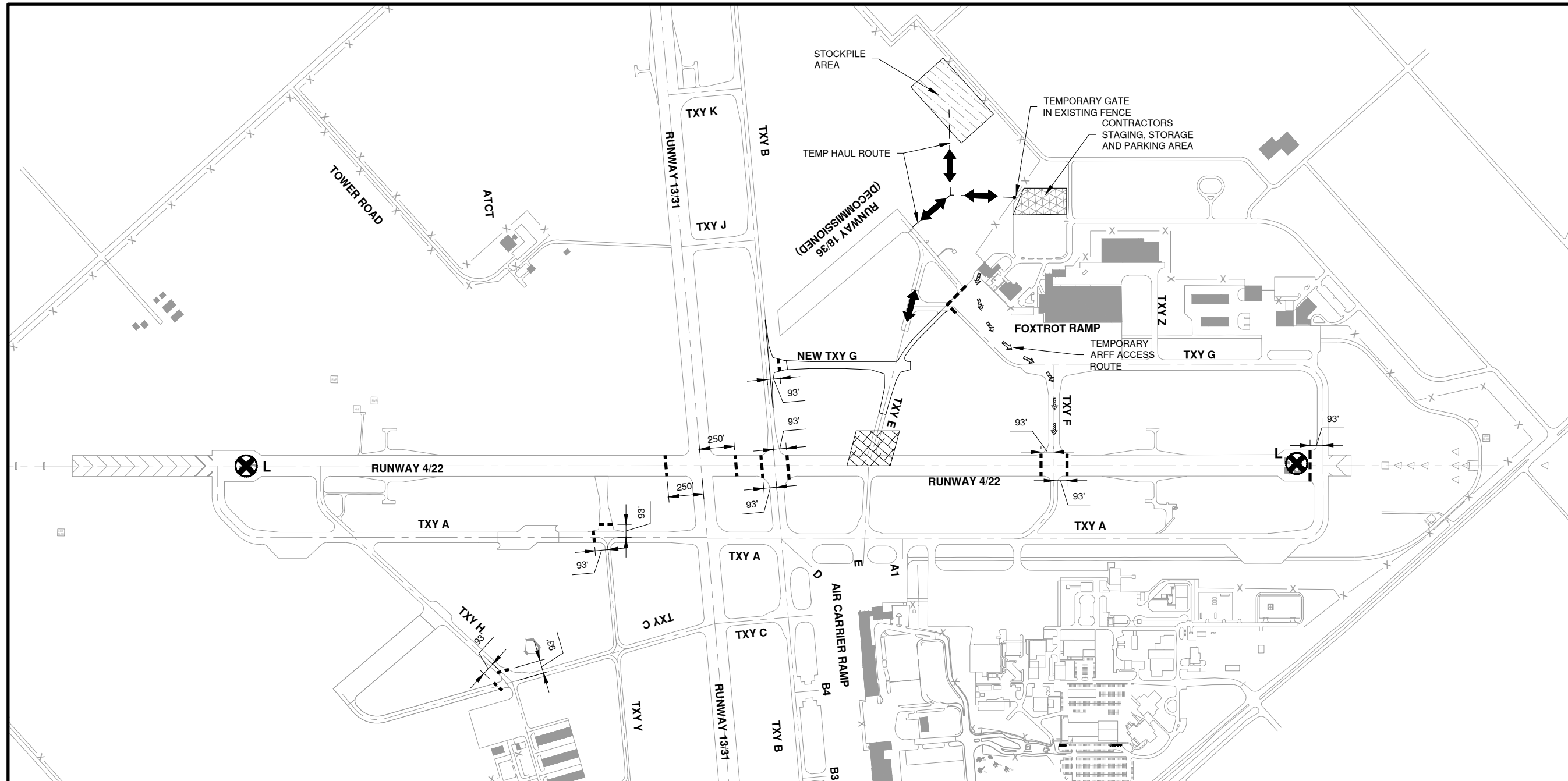
APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL



LEGEND

- WORK AREA C - BASE BID
- CONTRACTOR'S STAGING & STORAGE
- STOCKPILE
- BEAM BARRICADES
- LIGHTED RUNWAY CLOSURE MARKER
- TAXIWAY CLOSURE MARKER (TEMPORARY)
- CONTRACTOR'S ACCESS ROUTE

PAVEMENT STATUS TABLE

BASE BID PAVEMENT	WORK AREA C STATUS
RUNWAY 18/36	DECOMMISSIONED
RUNWAY 4/22	CLOSED
RUNWAY 13/31	OPEN
TAXIWAY A	CLOSED SOUTH OF TXY Y
TAXIWAY B	OPEN
TAXIWAY C	CLOSED SOUTH OF TXY H
TAXIWAY E	CLOSED NORTH OF RWY 4/22
EXISTING TAXIWAY G	CLOSED SOUTH OF TXY F
NEW TAXIWAY G	CLOSED
TAXIWAY H	CLOSED WEST OF TXY C
TAXIWAY J	OPEN
TAXIWAY K	OPEN
TAXIWAY Y	CLOSED WEST OF TXY A

WORK AREA C NOTES

- THE CONTRACTOR WILL BE ALLOWED TO CLOSE RUNWAY 4/22 FOR A MAXIMUM OF 7 CALENDAR DAYS TO COMPLETE ALL WORK WITHIN WORK AREA C.
- WORK AREA C MAY NOT BE CONCURRENTLY ACTIVE WITH WORK AREA A.
- WORK TO BE COMPLETED WITHIN WORK AREA C SHALL, AS A MINIMUM, INCLUDE THE FOLLOWING MAJOR WORK ITEMS:
 - INSTALL NEW TAXIWAY E EDGE LIGHTING..

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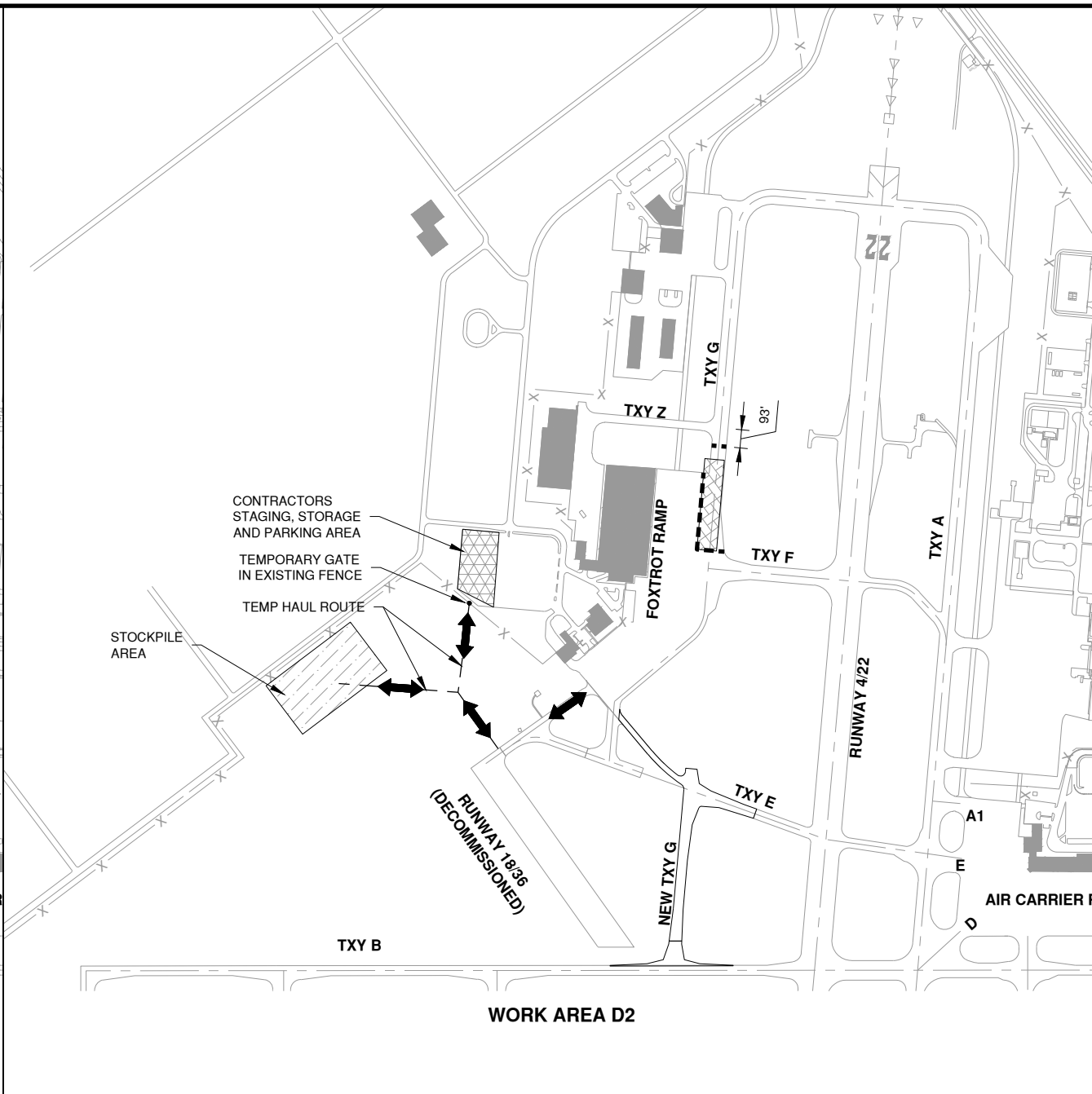
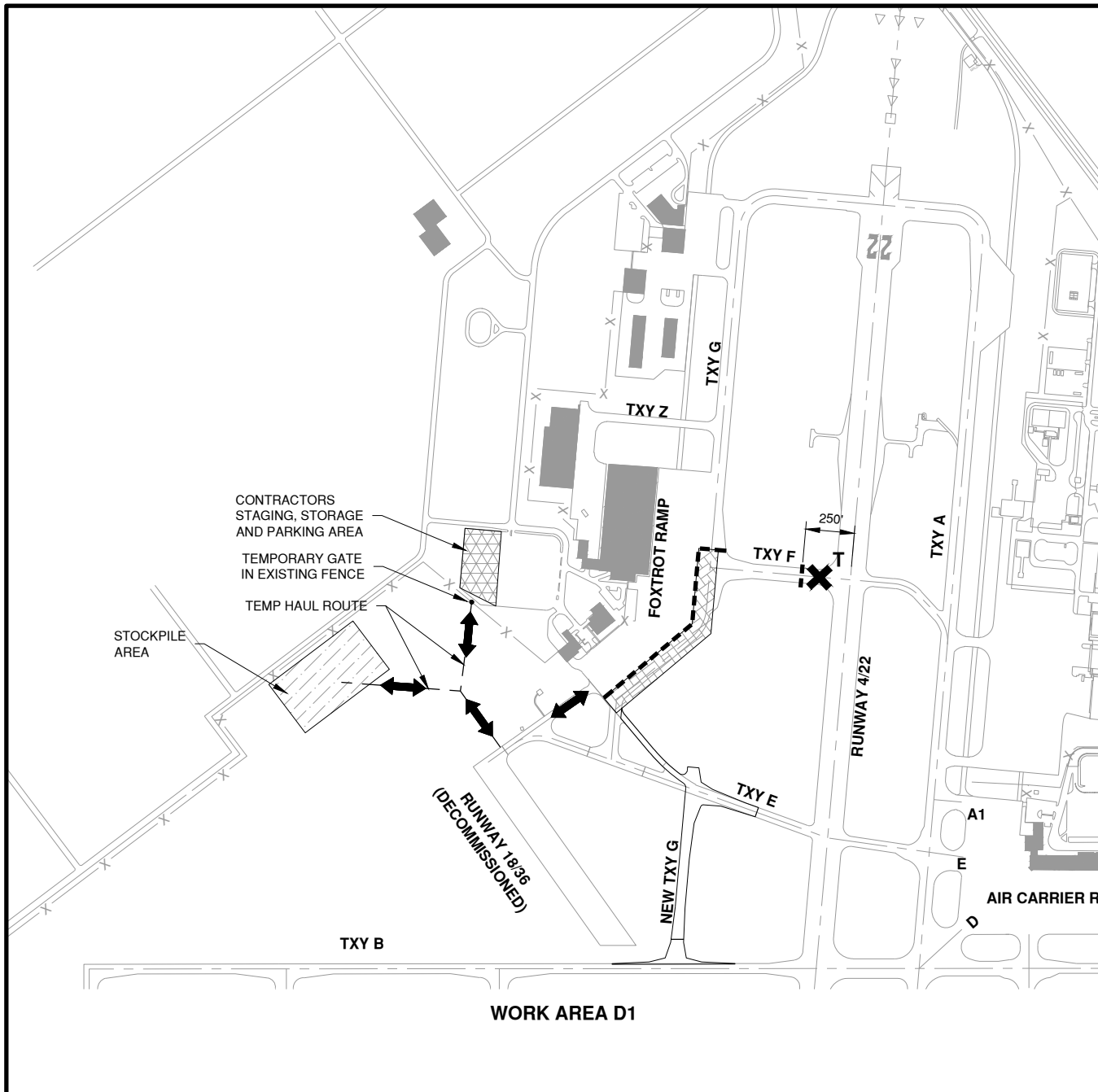
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**CONSTRUCTION
ACTIVITY PLAN WORK
AREA C**

GC103

SHEET **11** OF **109**



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



APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

LEGEND

- WORK AREA D - BASE BID
- CONTRACTOR'S STAGING & STORAGE
- STOCKPILE
- BEAM BARRICADES
- LIGHTED RUNWAY CLOSURE MARKER
- TAXIWAY CLOSURE MARKER (TEMPORARY)
- CONTRACTOR'S ACCESS ROUTE

PAVEMENT STATUS TABLE

BASE BID	WORK AREA D1	BASE BID	WORK AREA D2
PAVEMENT	STATUS	PAVEMENT	STATUS
RUNWAY 18/36	DECOMMISSIONED	RUNWAY 18/36	DECOMMISSIONED
RUNWAY 4/22	OPEN	RUNWAY 4/22	OPEN
RUNWAY 13/31	OPEN	RUNWAY 13/31	OPEN
TAXIWAY A	OPEN	TAXIWAY A	OPEN
TAXIWAY B	OPEN	TAXIWAY B	OPEN
TAXIWAY C	OPEN	TAXIWAY C	OPEN
TAXIWAY E	OPEN	TAXIWAY E	OPEN
TAXIWAY F	CLOSED WEST OF RWY 4/22	TAXIWAY F	OPEN
EXISTING TAXIWAY G	OPEN	EXISTING TAXIWAY G	CLOSED BETWEEN TXY F & TXY Z
NEW TAXIWAY G	OPEN	NEW TAXIWAY G	OPEN
TAXIWAY H	OPEN	TAXIWAY H	OPEN
TAXIWAY J	OPEN	TAXIWAY J	OPEN
TAXIWAY K	OPEN	TAXIWAY K	OPEN
TAXIWAY Y	OPEN	TAXIWAY Y	OPEN

WORK AREA D NOTES

1. WORK AREAS D1 AND D2 MAY NOT BE CONCURRENTLY ACTIVE.
2. WORK TO BE COMPLETED WITHIN WORK AREA D SHALL, AS A MINIMUM, INCLUDE THE FOLLOWING MAJOR WORK ITEMS:
 - A. PERFORM PAVEMENT MARKING IMPROVEMENTS AS INDICATED IN THE PLANS.

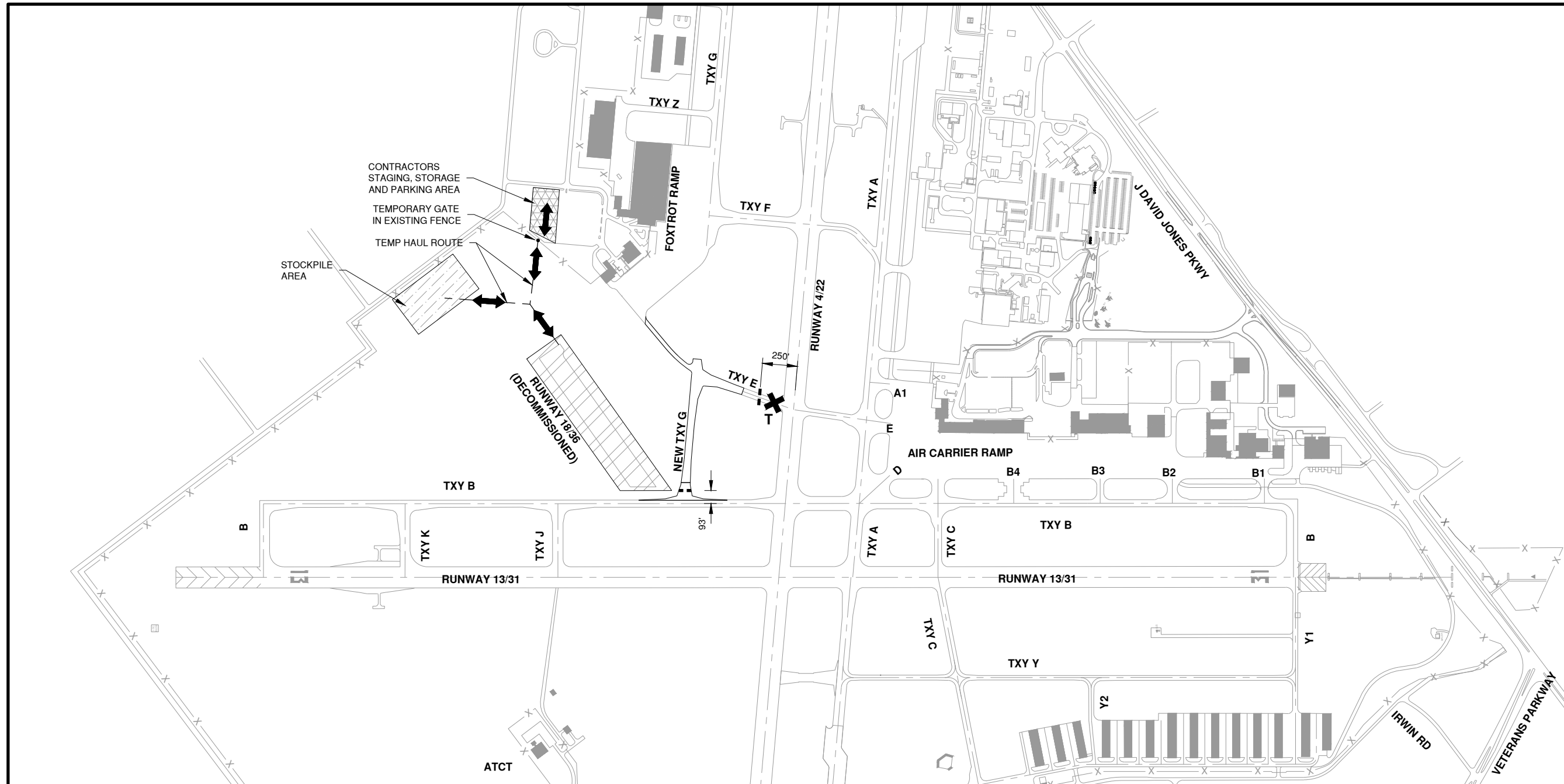
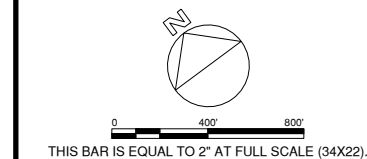
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MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA022
IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-GC100.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: MJD	
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SHEET TITLE
**CONSTRUCTION
ACTIVITY PLAN WORK
AREA D**

GC104
SHEET 12 OF 109



APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

LEGEND

- WORK AREA F - ADD. ALT. 2
- CONTRACTOR'S STAGING & STORAGE
- STOCKPILE
- BEAM BARRICADES
- LIGHTED RUNWAY CLOSURE MARKER
- TAXIWAY CLOSURE MARKER (TEMPORARY)
- CONTRACTOR'S ACCESS ROUTE

PAVEMENT STATUS TABLE

ALT 2 PAVEMENT	WORK AREA F STATUS
RUNWAY 18/36	DECOMMISSIONED
RUNWAY 4/22	OPEN
RUNWAY 13/31	OPEN
TAXIWAY A	OPEN
TAXIWAY B	OPEN
TAXIWAY C	OPEN
TAXIWAY E	CLOSED N OF 4/22
TAXIWAY F	OPEN
EXISTING TAXIWAY G	OPEN
NEW TAXIWAY G	CLOSED
TAXIWAY H	OPEN
TAXIWAY J	OPEN
TAXIWAY K	OPEN
TAXIWAY Y	OPEN

WORK AREA F NOTES

1. WORK AREA F MAY BE CONCURRENTLY ACTIVE WITH ANY OTHER WORK AREA.
2. WORK TO BE COMPLETED WITHIN WORK AREA F, SHALL, AS A MINIMUM, INCLUDE THE FOLLOWING MAJOR WORK ITEMS:
 - A. REMOVE, BACKFILL AND TURF EXISTING RUNWAY 18/36 PAVEMENT AS INDICATED IN THE PLANS.

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MARK	DATE	DESCRIPTION

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CONSTRUCTION ACTIVITY PLAN WORK AREA F



0 400' 800'
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-GC100.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: MJD

APPROVED BY: RLV

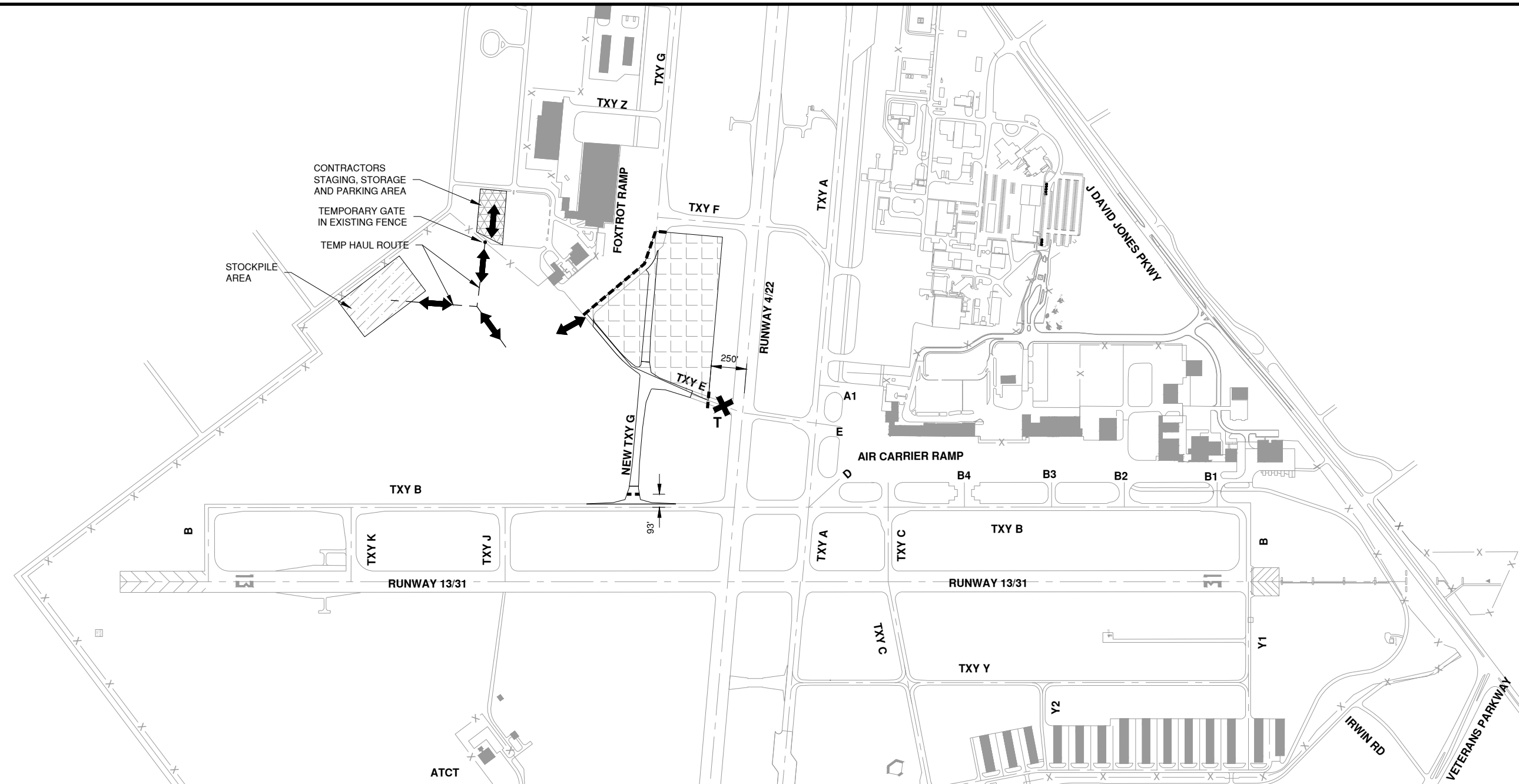
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SHEET TITLE

CONSTRUCTION ACTIVITY PLAN WORK AREA G

GC107

SHEET 15 OF 109



LEGEND

- WORK AREA G - ADD. ALT. 3
- CONTRACTOR'S STAGING & STORAGE
- STOCKPILE
- BEAM BARRICADES
- LIGHTED RUNWAY CLOSURE MARKER
- TAXIWAY CLOSURE MARKER (TEMPORARY)
- CONTRACTOR'S ACCESS ROUTE

PAVEMENT STATUS TABLE

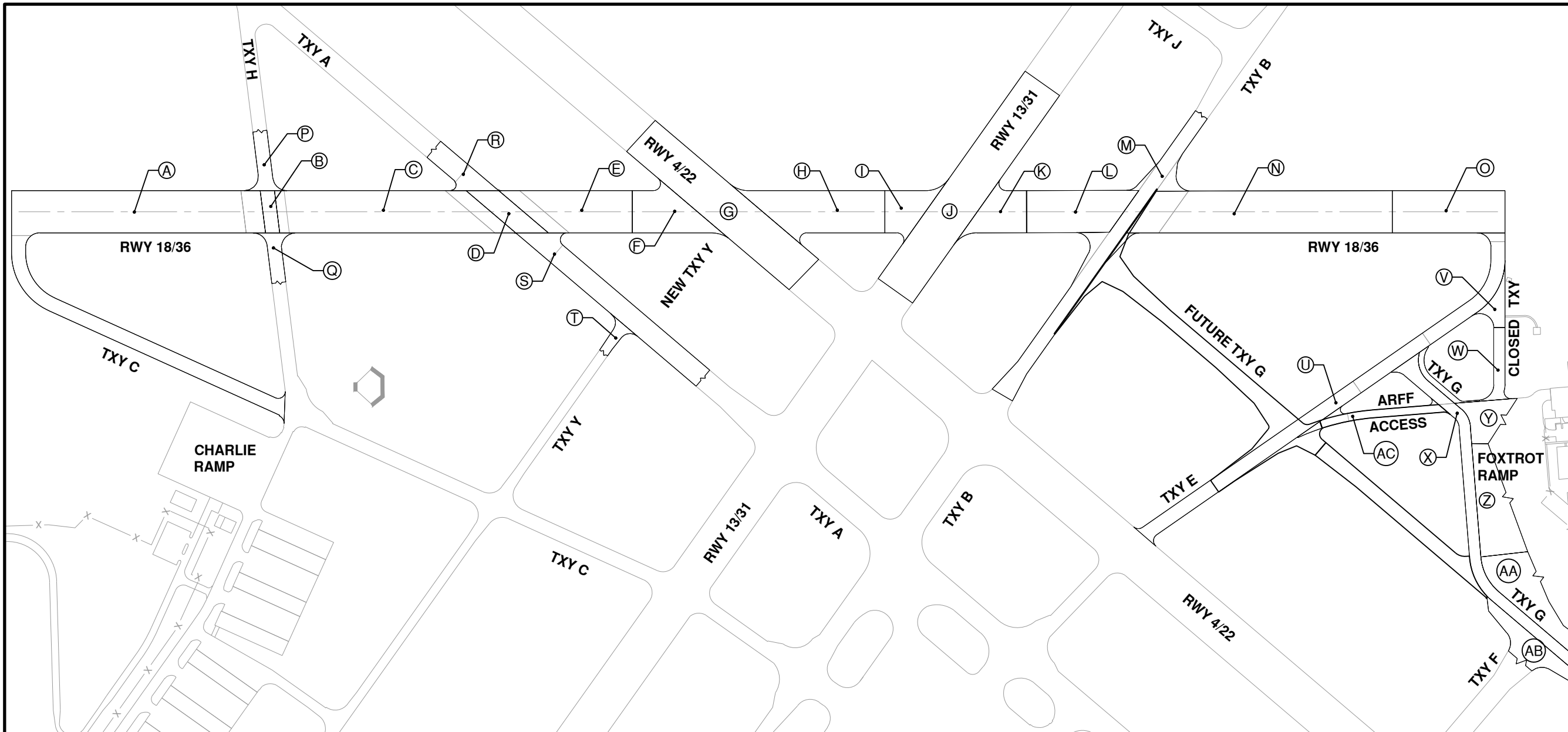
ALT 3	WORK AREA G
PAVEMENT	STATUS
RUNWAY 18/36	DECOMMISSIONED
RUNWAY 4/22	OPEN
RUNWAY 13/31	OPEN
TAXIWAY A	OPEN
TAXIWAY B	OPEN
TAXIWAY C	OPEN
TAXIWAY E	CLOSED NORTH OF RWY 4/22
TAXIWAY F	OPEN
EXISTING TAXIWAY G	OPEN
NEW TAXIWAY G	CLOSED
TAXIWAY H	OPEN
TAXIWAY J	OPEN
TAXIWAY K	OPEN
TAXIWAY Y	OPEN

WORK AREA G NOTES

1. WORK AREA G MAY BE CONCURRENTLY ACTIVE WITH ANY OTHER WORK AREA.
2. WORK TO BE COMPLETED WITHIN WORK AREA G, SHALL, AS A MINIMUM, INCLUDE THE FOLLOWING MAJOR WORK ITEMS:
 - A. CONSTRUCT NEW TAXIWAY G BETWEEN TAXIWAY E AND THE FOXTROT RAMP.
 - B. STORM SEWER IMPROVEMENTS.
 - C. INSTALL NEW EDGE LIGHTS AND SIGNS AS INDICATED ON THE PLANS.
 - D. EXTEND THE NEW HOMERUN AND CONNECT THE EXISTING TAXIWAY G EDGE LIGHTS.



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



APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

PAVEMENT LEGEND

ID	THICK	MATERIAL	ITEM
A	5"	HMA	401/201
	8.5"	CRACK AND SEAT PCC	501
	7"	GRANULAR BLANKET	154
B	5"	HMA	401/201
	15"	CRACK AND SEAT PCC	501
	6"	AGG BASE	208
	7"	GRANULAR BLANKET	154
C		REMOVED IN PHASE 1	
D	11"	PCC	501
	2.5"	HMA	501
	18.5"	PCC	501
	7"	GRANULAR BLANKET	154
E		REMOVED IN PHASE 1	
F		REMOVED IN PHASE 1	

ID	THICK	MATERIAL	ITEM
G	8"	PCC	501
	1"	HMA	401
	15"	PCC	501
	6"	AGG BASE	208
H			
		REMOVED IN PHASE 1	
I		REMOVED IN PHASE 1	
J	11"	HMA	401/201
	8"	CRACK AND SEAT PCC	501
	7"	GRANULAR BLANKET	154
K	8"	HMA	401/201
	8"	PCC	501
	7"	GRANULAR BLANKET	154
L	5"	HMA	401
	8"	CRACK AND SEAT PCC	501
	7"	GRANULAR BLANKET	154

ID	THICK	MATERIAL	ITEM
M	18"	HMA	401/201
	4"	AGG BASE	209
	12"	LIME MODIFIED SUBGRA	155
N	5"	HMA	401
	8"	CRACK AND SEAT PCC	501
	7"	GRANULAR BLANKET	154
O	6"	PCC	501
	1"	HMA	201
	9"	CRACK AND SEAT PCC	501
P	7"	GRANULAR BLANKET	154
	18.5"	PCC	501
	7"	GRANULAR BLANKET	154
Q	18.5"	PCC	501
	7"	GRANULAR BLANKET	154
	R	16"	PCC
4"		AGG BASE	209
8"		LIME MODIFIED SUBGRA	155
S	16"	PCC	501
	4"	AGG BASE	209
	8"	LIME MODIFIED SUBGRA	155

SITE NOTES

PAVEMENT STRUCTURES SHOWN WERE TAKEN FROM RECORD DRAWINGS AND ARE CONSIDERED GENERALLY REPRESENTATIVE OF THE "AS CONSTRUCTED" PAVEMENT SECTION WITH SOME VARIABILITY FROM THE THICKNESS INDICATED TO BE EXPECTED. THERE WILL BE NO ADDITIONAL PAYMENT TO THE CONTRACTOR DUE TO VARIATIONS IN SIZE, THICKNESS, OR QUANTITY OF EXISTING FEATURES.

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX CA022

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CD001.DWG

DESIGNED BY: HWI

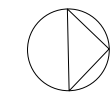
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EXISTING PAVEMENT STRUCTURES



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RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



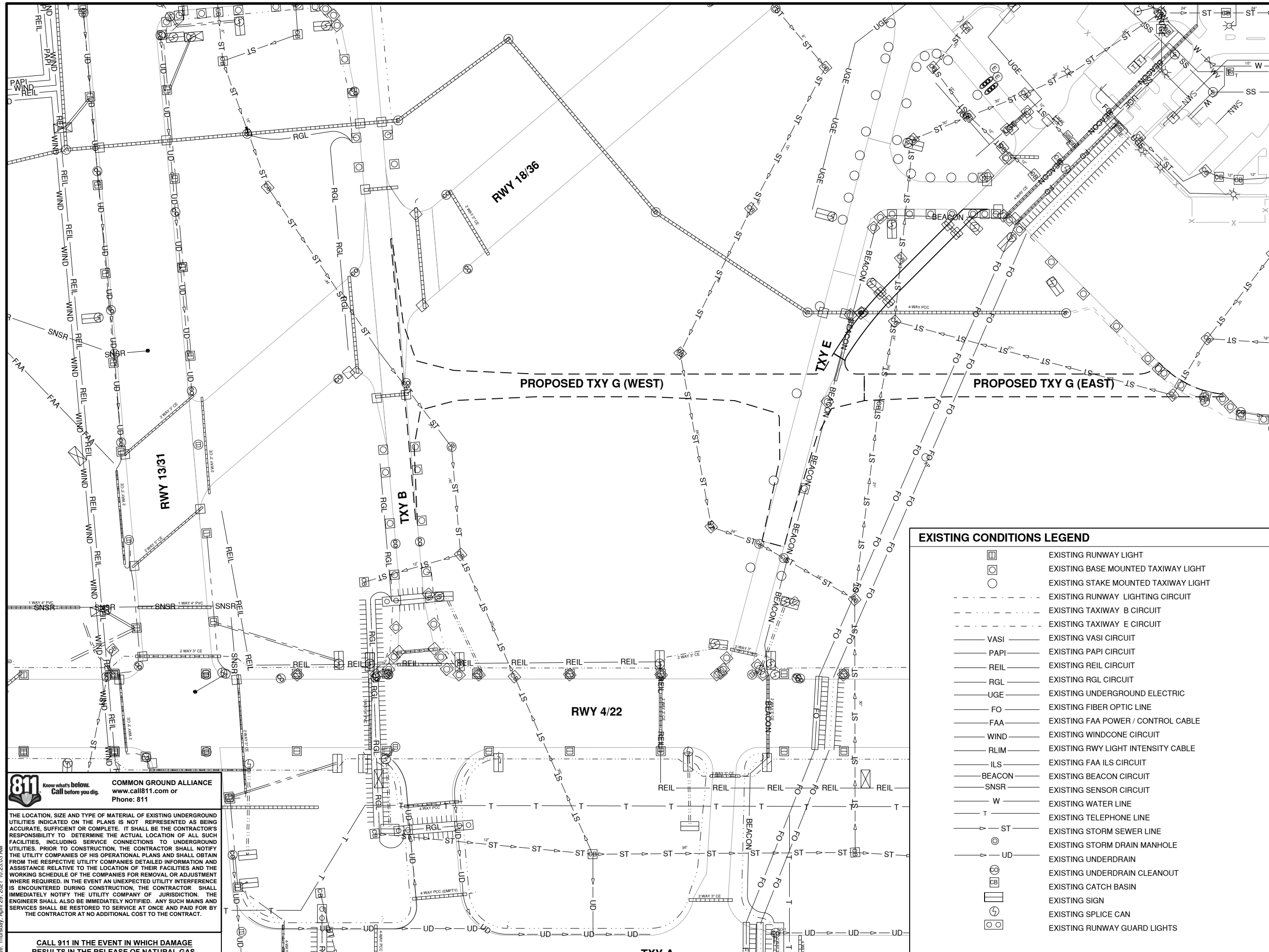
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
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IL PROJ. NO:	SPI-4908	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH2-CD002.DWG	
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CHECKED BY:	MJD	
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EXISTING UTILITIES 1

CD002

SHEET 17 OF 109



EXISTING CONDITIONS LEGEND

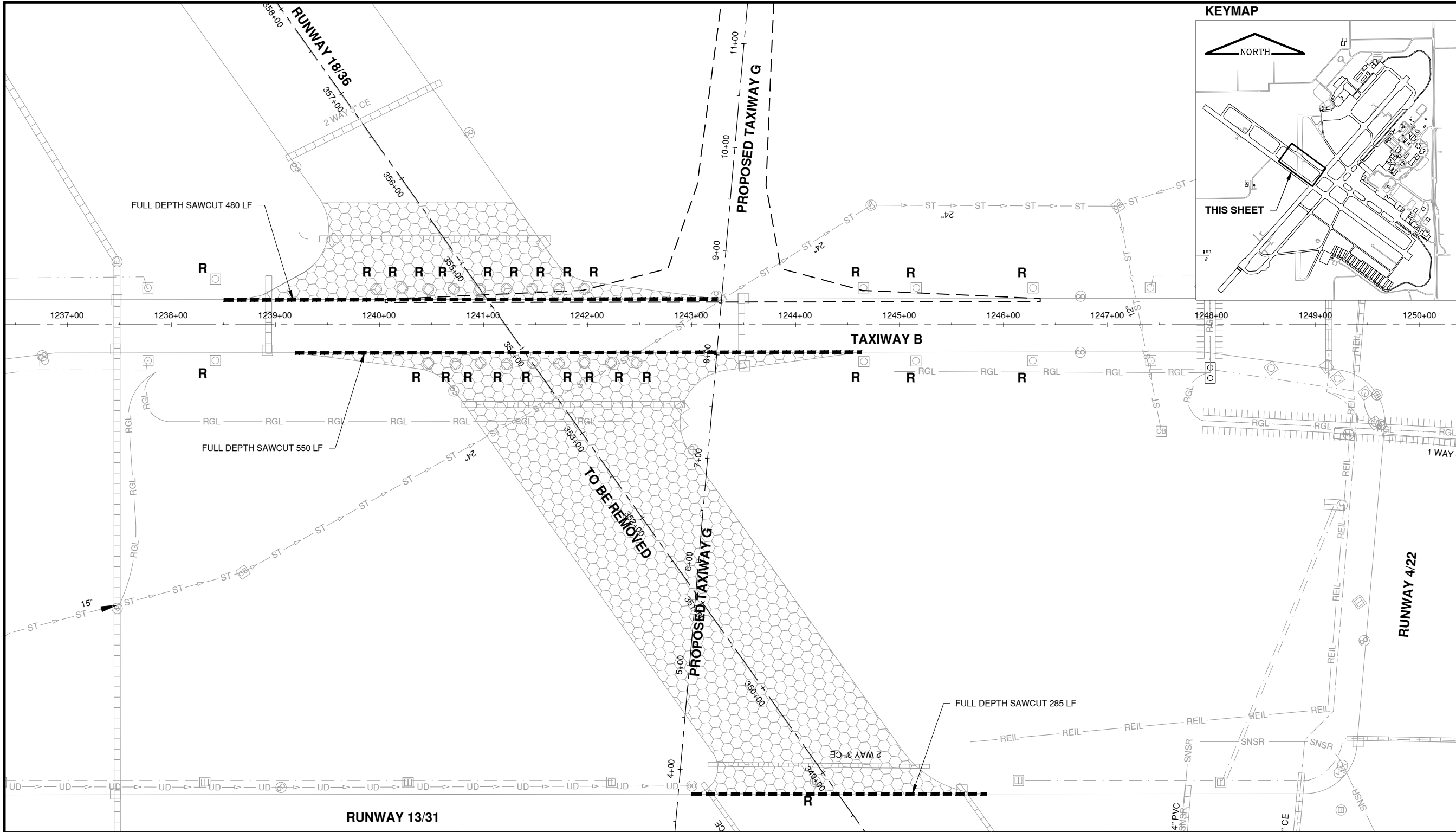
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	EXISTING BASE MOUNTED TAXIWAY LIGHT
	EXISTING STAKE MOUNTED TAXIWAY LIGHT
	EXISTING RUNWAY LIGHTING CIRCUIT
	EXISTING TAXIWAY B CIRCUIT
	EXISTING TAXIWAY E CIRCUIT
	VASI EXISTING VASI CIRCUIT
	PAPI EXISTING PAPI CIRCUIT
	REIL EXISTING REIL CIRCUIT
	RGL EXISTING RGL CIRCUIT
	UGE EXISTING UNDERGROUND ELECTRIC
	FO EXISTING FIBER OPTIC LINE
	FAA EXISTING FAA POWER / CONTROL CABLE
	WIND EXISTING WINDCONE CIRCUIT
	RLIM EXISTING RWY LIGHT INTENSITY CABLE
	ILS EXISTING FAA ILS CIRCUIT
	BEACON EXISTING BEACON CIRCUIT
	SNSR EXISTING SENSOR CIRCUIT
	W EXISTING WATER LINE
	T EXISTING TELEPHONE LINE
	ST 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

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.

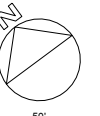
CALL 911 IN THE EVENT IN WHICH DAMAGE RESULTS IN THE RELEASE OF NATURAL GAS.

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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

NOTES

1. BITUMINOUS MILLINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF OFFSITE BY THE CONTRACTOR. DISPOSAL OF PAVEMENT MILLINGS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.
2. ELECTRICAL DUCTBANKS LOCATED BELOW REMOVED PAVEMENT SHALL BE EXCAVATED AND COMPLETELY REMOVED. PRIOR TO REMOVAL, THE CONTRACTOR SHALL REMOVE ALL INTERIOR CABLES AND CONFIRM THEY ARE ABANDONED. INTERIOR CABLES REMAINING IN SERVICE SHALL BE RELOCATED AS A PART OF THIS CONTRACT.
3. DURING PAVEMENT REMOVAL, THE CONTRACTOR SHALL PROTECT EXISTING PAVEMENT EDGES THAT ARE TO REMAIN IN PLACE. MULTIPLE SAWCUTS MAY BE REQUIRED TO PROTECT EXPOSED PAVEMENT EDGES FROM DAMAGE DURING THE REMOVAL OPERATIONS.
4. REMOVED LIGHT FIXTURES AND AIRFIELD GUIDANCE SIGNS SHALL BE GIVEN TO THE AIRPORT. REMOVED LIGHT CAN BASES, SIGN BASES, AND CONCRETE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF OFFSITE BY THE CONTRACTOR. DISPOSAL OF REMOVALS AND DEMOLISHED CONCRETE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAVEMENT SHALL BE MADE.

LEGEND

- | | | | |
|--|-----------------------------------|--|---|
| | REM. PVMT STRUCTURE (HMA / PCC) | | MODIFY SIGN PANEL |
| | FULL DEPTH SAWCUT | | EXIST. RUNWAY THRESHOLD STAKE-MOUNTED LIGHT |
| | EXIST. DUCT BANK | | EXIST. RUNWAY BASE-MOUNTED LIGHT |
| | EXIST DIRECTIONAL BORED UTILITY | | EXIST. RUNWAY STAKE-MOUNTED LIGHT |
| | EXIST. STORM SEWER | | EXIST. TAXIWAY BASE-MOUNTED LIGHT |
| | EXIST. CABLE TO BE ABN'D IN PLACE | | EXIST. TAXIWAY STAKE-MOUNTED LIGHT |
| | TO BE REMOVED | | EXIST. RUNWAY GUARD LIGHT |
| | RETRO-REFLECTIVE MARKERS | | EXIST. SIGN |
| | | | EXIST. DISTANCE REMAINING SIGN |
| | | | EXIST. INLET / CATCH BASIN |
| | | | EXIST. CLEANOUT |
| | | | EXIST. DUCT MARKER |

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.

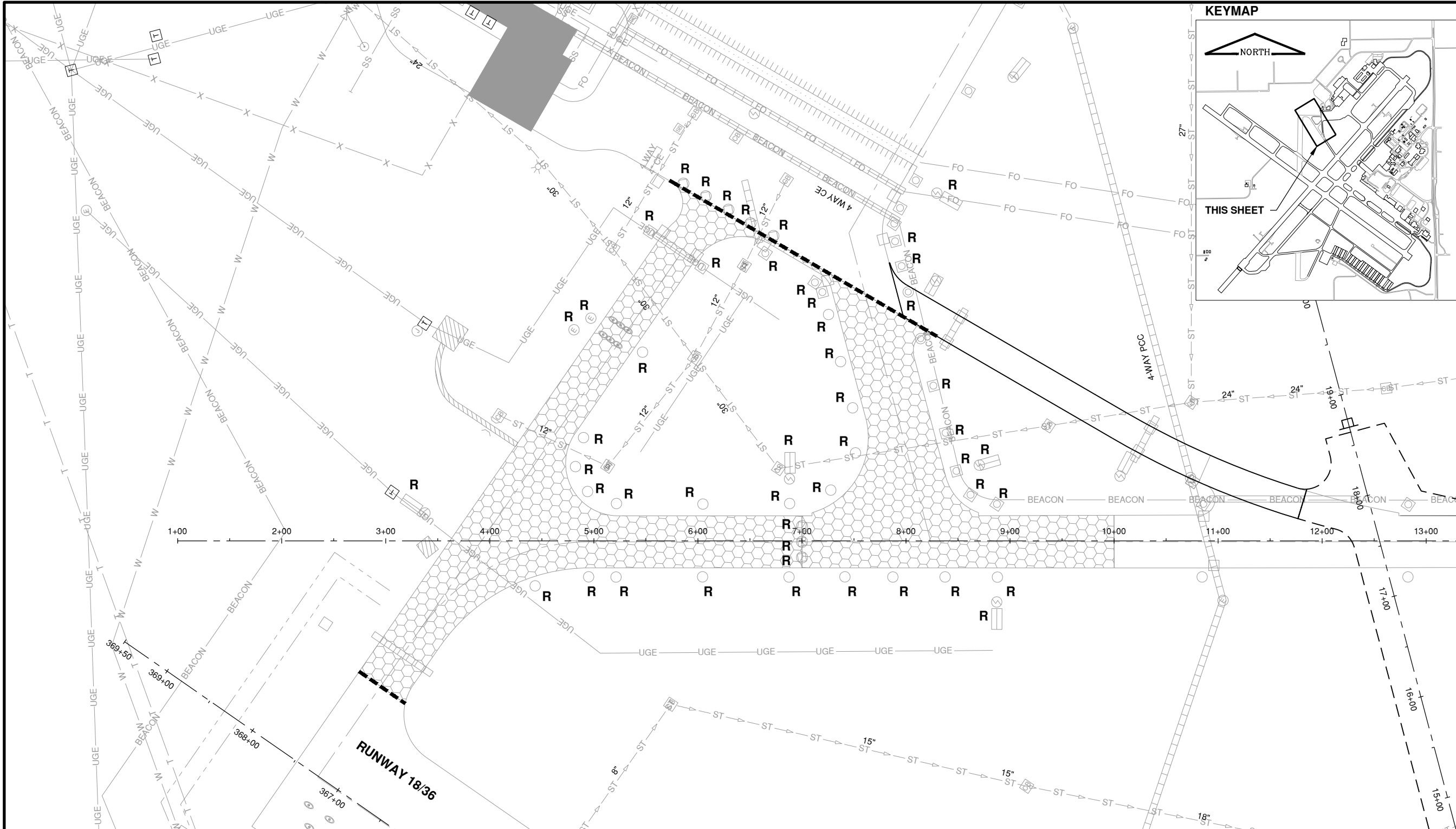
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY AND FAA OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS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

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA022
IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CD100.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
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EX. CONDITIONS & REMOVALS TXY G WEST 1

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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

 SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, IL

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.

LEGEND

- | | | | |
|----------|-----------------------------------|----------|---|
| | REM. PVMT STRUCTURE (HMA / PCC) | M | MODIFY SIGN PANEL |
| | FULL DEPTH SAWCUT | | EXIST. RUNWAY THRESHOLD STAKE-MOUNTED LIGHT |
| | EXIST. DUCT BANK | | EXIST. RUNWAY BASE-MOUNTED LIGHT |
| | EXIST DIRECTIONAL BORED UTILITY | | EXIST. RUNWAY STAKE-MOUNTED LIGHT |
| | EXIST. STORM SEWER | | EXIST. TAXIWAY BASE-MOUNTED LIGHT |
| | EXIST. CABLE TO BE ABN'D IN PLACE | | EXIST. TAXIWAY STAKE-MOUNTED LIGHT |
| R | TO BE REMOVED | | EXIST. RUNWAY GUARD LIGHT |
| | RETRO-REFLECTIVE MARKERS | | EXIST. SIGN |
| | | | EXIST. DISTANCE REMAINING SIGN |
| | | | EXIST. INLET / CATCH BASIN |
| | | | EXIST. CLEANOUT |
| | | | EXIST. DUCT MARKER |

UTILITY DISCLAIMER

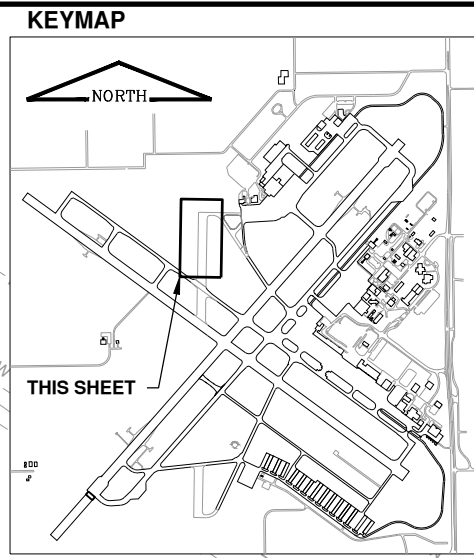
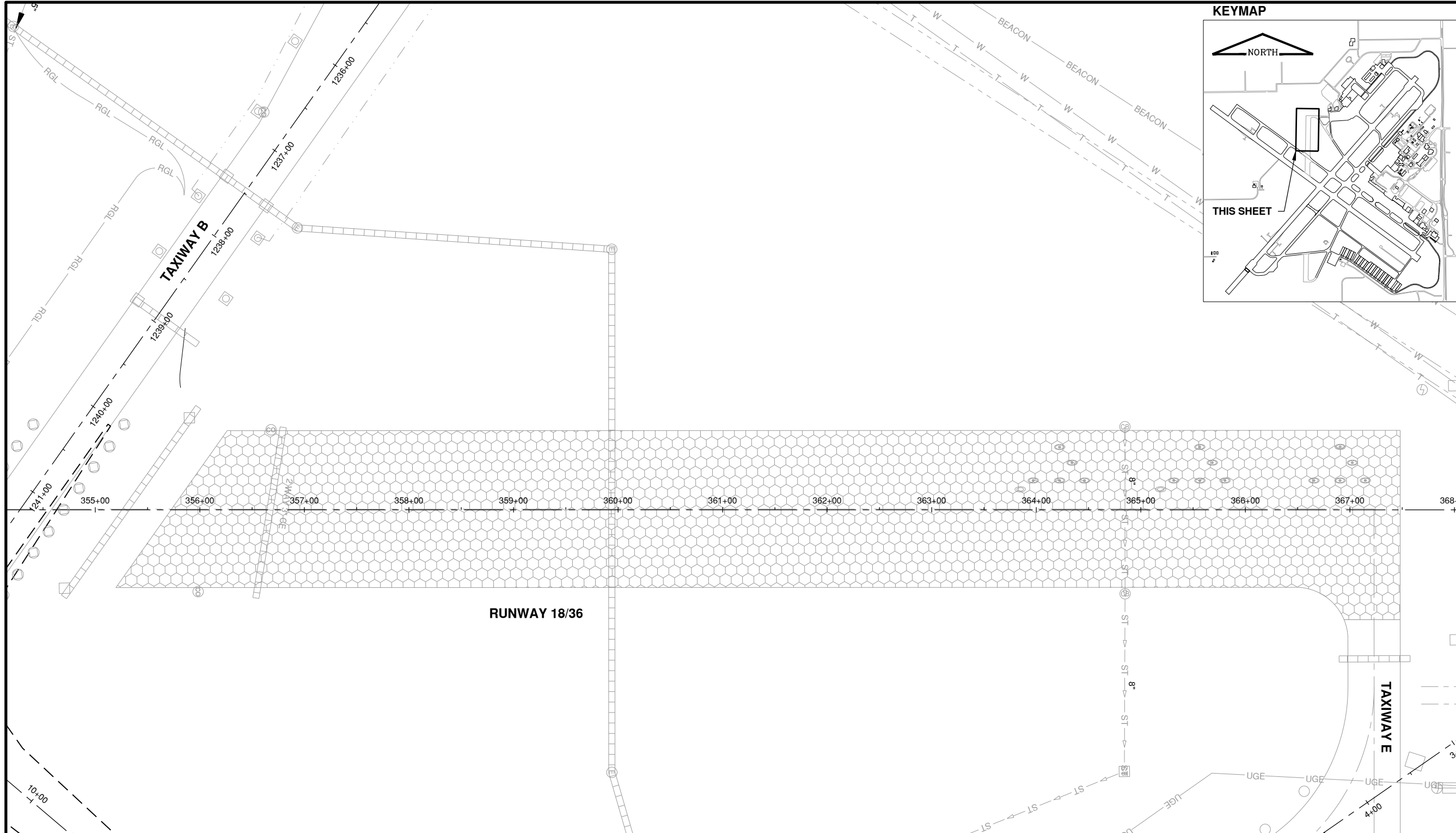
THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER, NOR THE PROJECT ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED 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.

MARK	DATE	DESCRIPTION

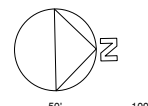
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 SHEET 21 OF 109

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CONSULTANTS



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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



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

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.

LEGEND

- REM. PVMT STRUCTURE (HMA / PCC)
- FULL DEPTH SAWCUT
- EXIST. DUCT BANK
- EXIST. STORM SEWER
- EXIST. CABLE TO BE ABN'D IN PLACE
- R** 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

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.

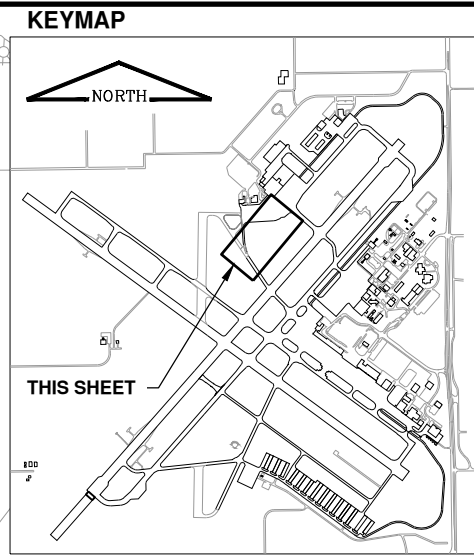
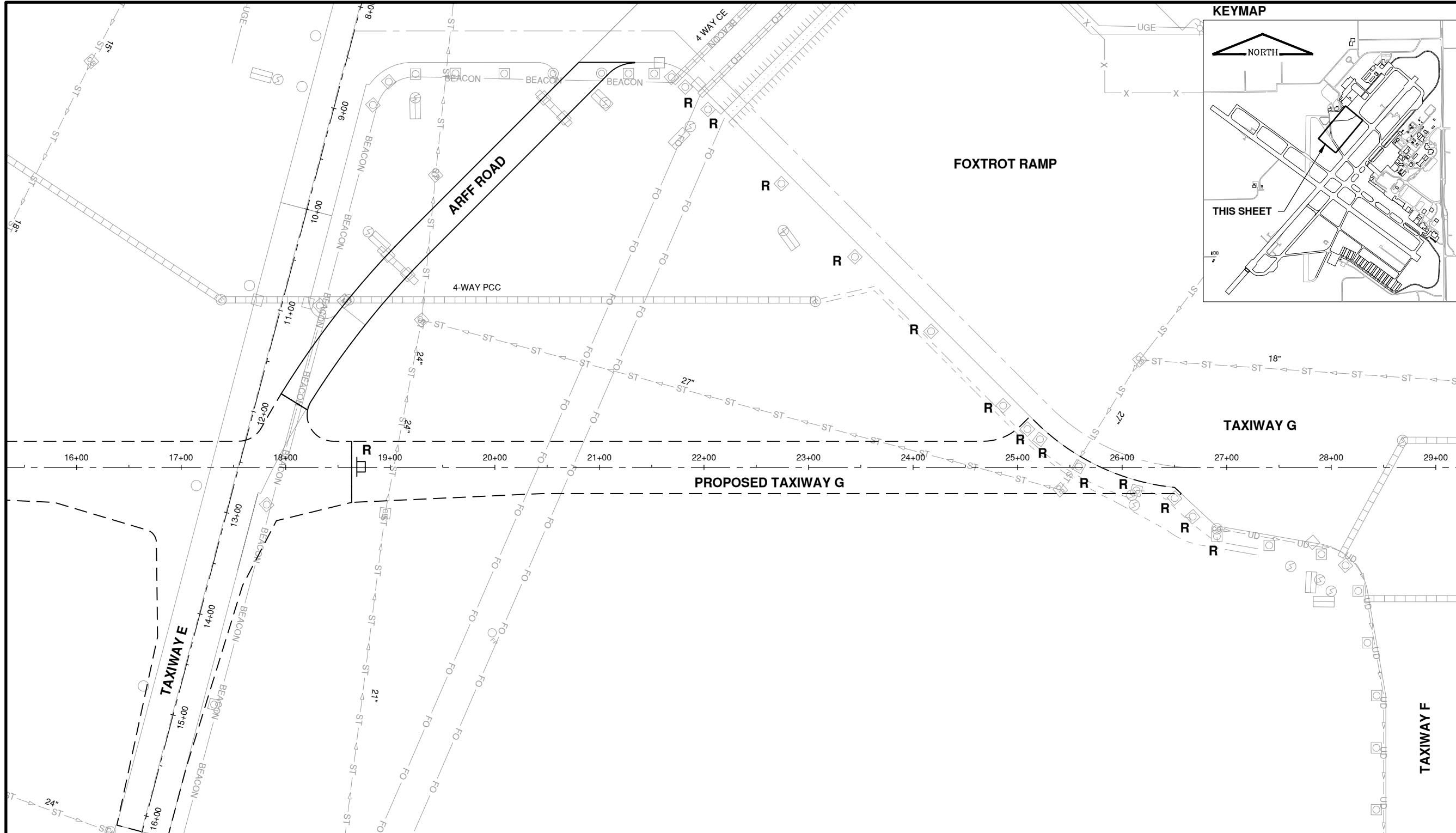
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY AND FAA OF HIS OPERATIONAL PLANS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS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

MARK	DATE	DESCRIPTION

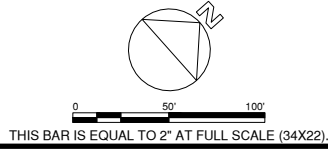
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IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CD100.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
APPROVED BY: APR	
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EX. CONDITIONS & REMOVALS RWY 18-36 N

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Date: Thursday, April 29, 2021 10:24:29 AM



License No. 184-000613
CONSULTANTS



APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

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.

LEGEND

	REM. PVMT STRUCTURE (HMA / PCC)	M	MODIFY SIGN PANEL
	FULL DEPTH SAWCUT		EXIST. RUNWAY THRESHOLD STAKE-MOUNTED LIGHT
	EXIST. DUCT BANK		EXIST. RUNWAY BASE-MOUNTED LIGHT
	EXIST DIRECTIONAL BORED UTILITY		EXIST. RUNWAY STAKE-MOUNTED LIGHT
	EXIST. STORM SEWER		EXIST. TAXIWAY BASE-MOUNTED LIGHT
	EXIST. CABLE TO BE ABN'D IN PLACE		EXIST. TAXIWAY STAKE-MOUNTED LIGHT
R	TO BE REMOVED		EXIST. RUNWAY GUARD LIGHT
	RETRO-REFLECTIVE MARKERS		EXIST. SIGN
	SPLICE CAN		EXIST. DISTANCE REMAINING SIGN
	EXIST FIBER-OPTIC CABLE		EXIST. INLET / CATCH BASIN
			EXIST. CLEANOUT
			EXIST. DUCT MARKER

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.

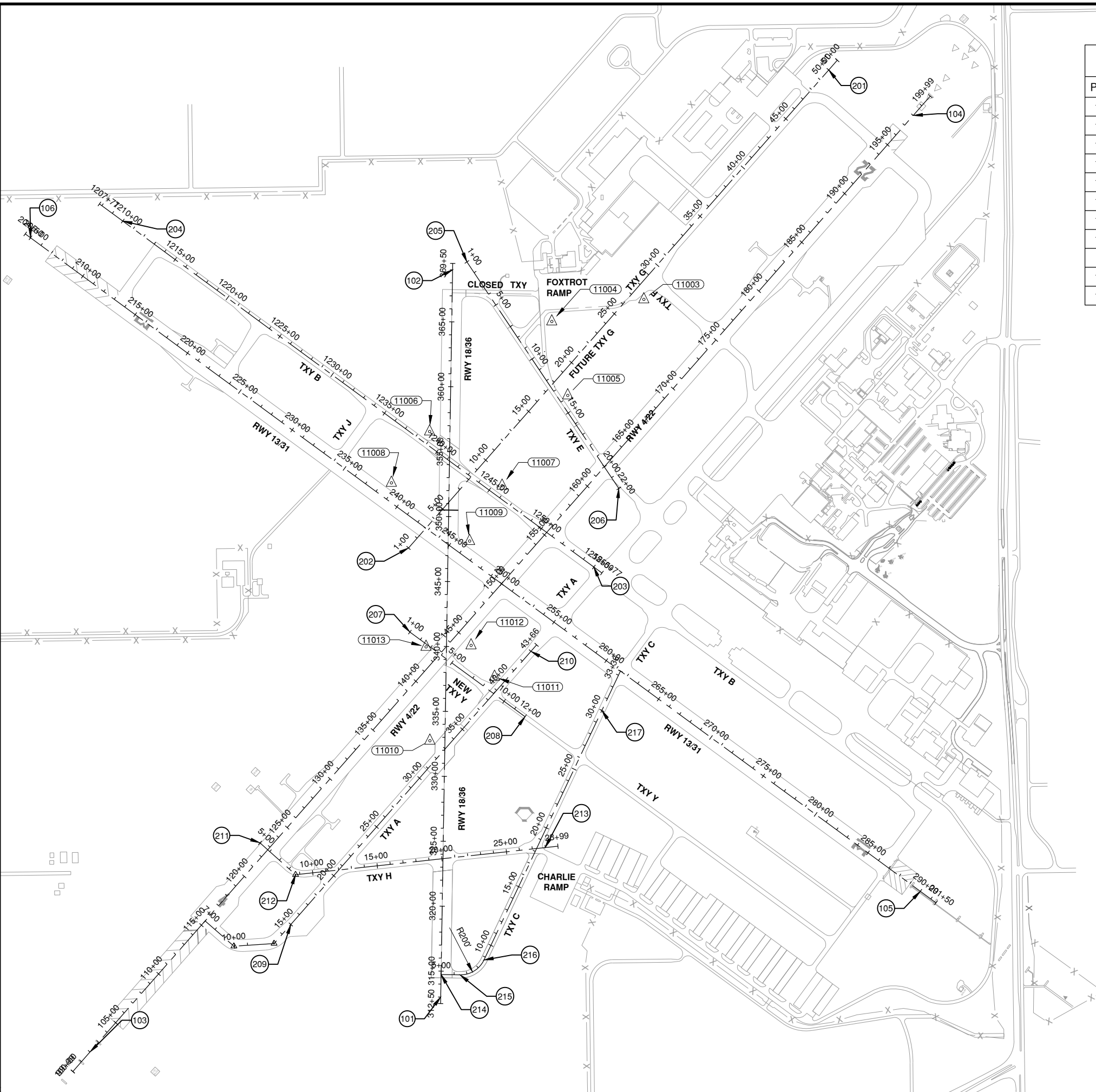
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IL PROJ. NO: SPI-4908	
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EX. CONDITIONS & REMOVALS TXY G EAST

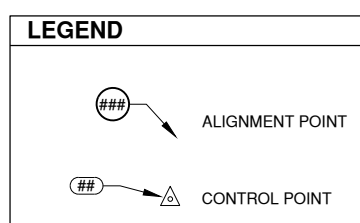
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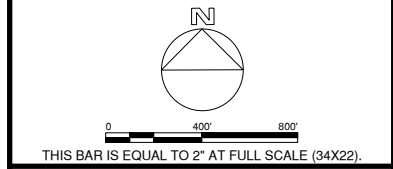
CONTROL POINT TABLE				
POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION
11003	103 IPIN	1159636.849'	2434842.840'	587.19'
11004	103 IPIN	1159466.767'	2434133.844'	587.66'
11005	103 IPIN	1158897.523'	2434256.542'	586.66'
11006	103 IPIN	1158619.807'	2433193.514'	588.43'
11007	103 IPIN	1158202.064'	2433751.538'	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'

ALIGNMENT POINT TABLE			
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	TXY G STA 50+00	1161404.112'	2436266.057'
202	TXY G STA 1+00	1157723.634'	2433031.234'
203	TXY B STA 1255+00	1157576.668'	2434458.006'
204	TXY B STA 1210+00	1160240.715'	2430831.320'
205	TXY E STA 1+00	1159926.168'	2433480.525'
206	TXY E STA 22+00	1158181.938'	2434649.996'
207	TXY Y STA 1+00	1157075.813'	2433041.737'
208	TXY Y STA 12+00	1156424.601'	2433928.260'
209	TXY A STA 15+00	1154824.510'	2432125.248'
210	TXY A STA 43+00	1156927.715'	2433973.640'
211	TXY H STA 5+00	1155453.737'	2431886.769'
212	TXY H STA 8+67.09	1155207.697'	2432161.607'
213	TXY H STA 28+00	1155416.441'	2434083.208'
214	TXY C STA 5+00	1154439.039'	2433281.878'
215	TXY C STA 6+64.40	1154436.660'	2433428.255'
216	TXY C STA 8+75.59	1154551.247'	2433612.362'
217	TXY C STA 30+00	1156472.321'	2434519.339'



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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

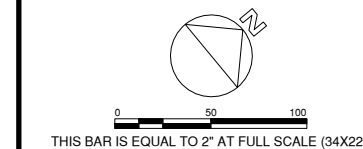


**SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, IL**

MARK	DATE	DESCRIPTION
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IL PROJ. NO:	SPI-4908	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH2-CP100.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	MJD	
APPROVED BY:	RLV	
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HORIZONTAL CONTROL

CP100
 SHEET 24 OF 109



APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



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

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CP101.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: MJD

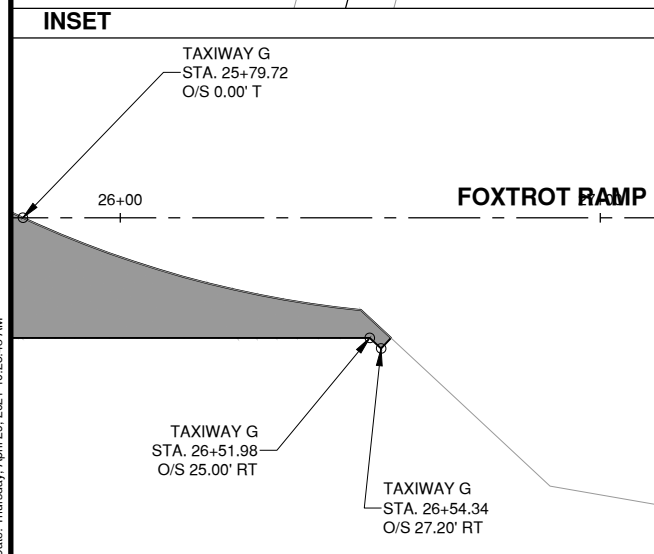
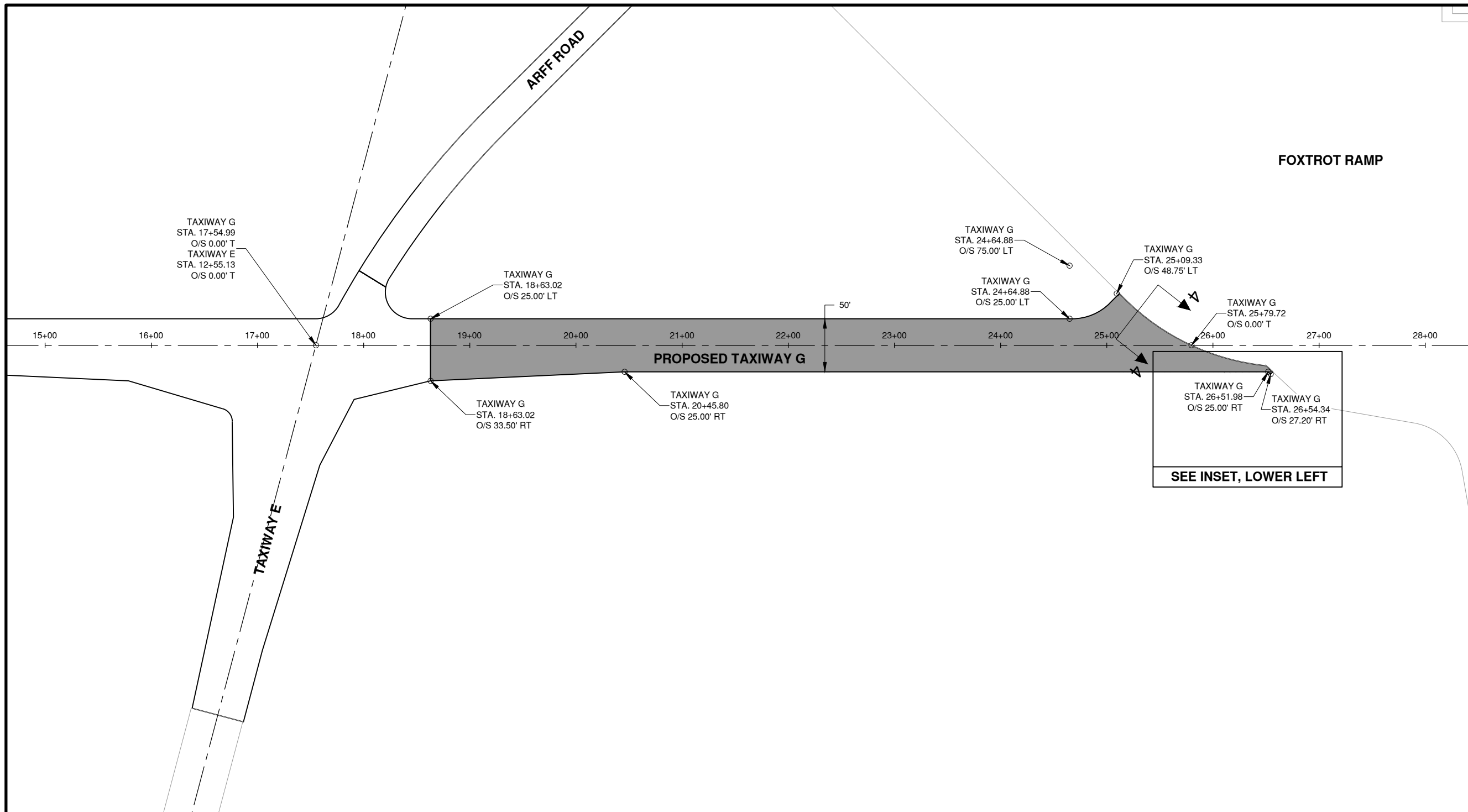
APPROVED BY: RLV

COPYRIGHT:

SHEET TITLE

PROPOSED GEOMETRY TXY G EAST

CP102
SHEET **26** OF 109

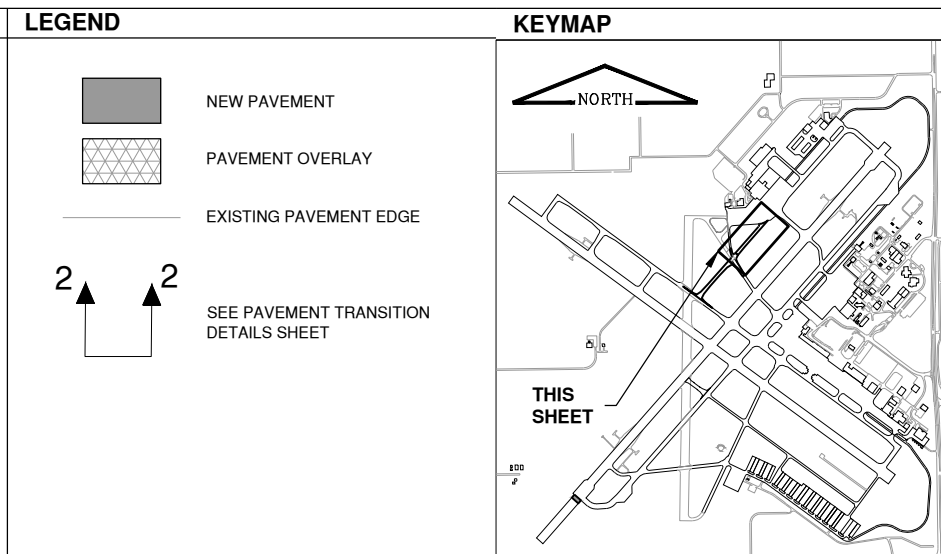


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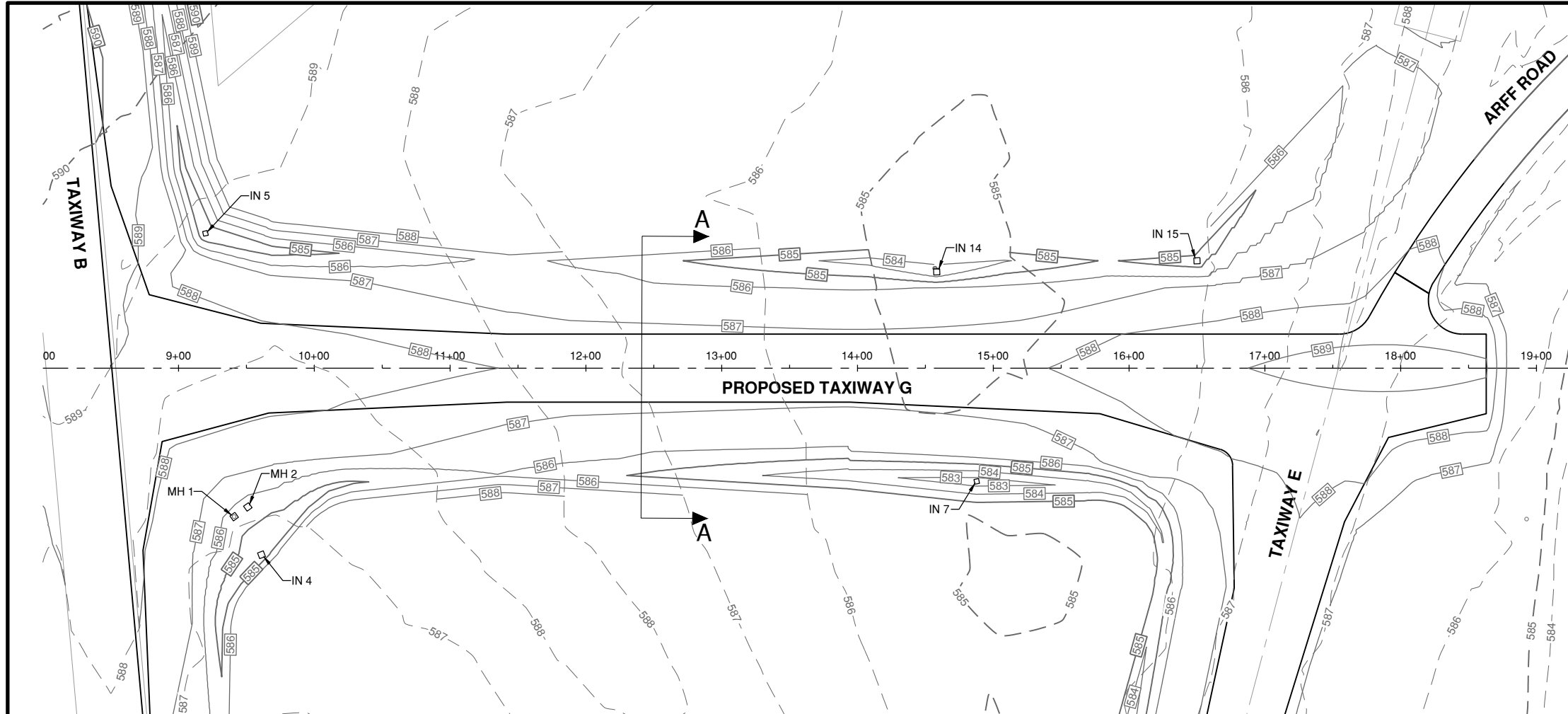
- SEE SHEET CP302 FOR PAVEMENT TRANSITION DETAILS.

LEGEND

- NEW PAVEMENT
- PAVEMENT OVERLAY
- EXISTING PAVEMENT EDGE
- SEE PAVEMENT TRANSITION DETAILS SHEET



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LEGEND

- 645.55 NEW (PROFILE) ELEVATION
- 648.61 EXIST. (PROFILE) ELEVATION
- 589 NEW CONTOURS
- 589 EXISTING CONTOURS
- PROPOSED PAVEMENT
- EXISTING PAVEMENT

SEE SHEET CP301 FOR TYPICAL PAVEMENT SECTION

CMT
License No. 184-000613
CONSULTANTS

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

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL



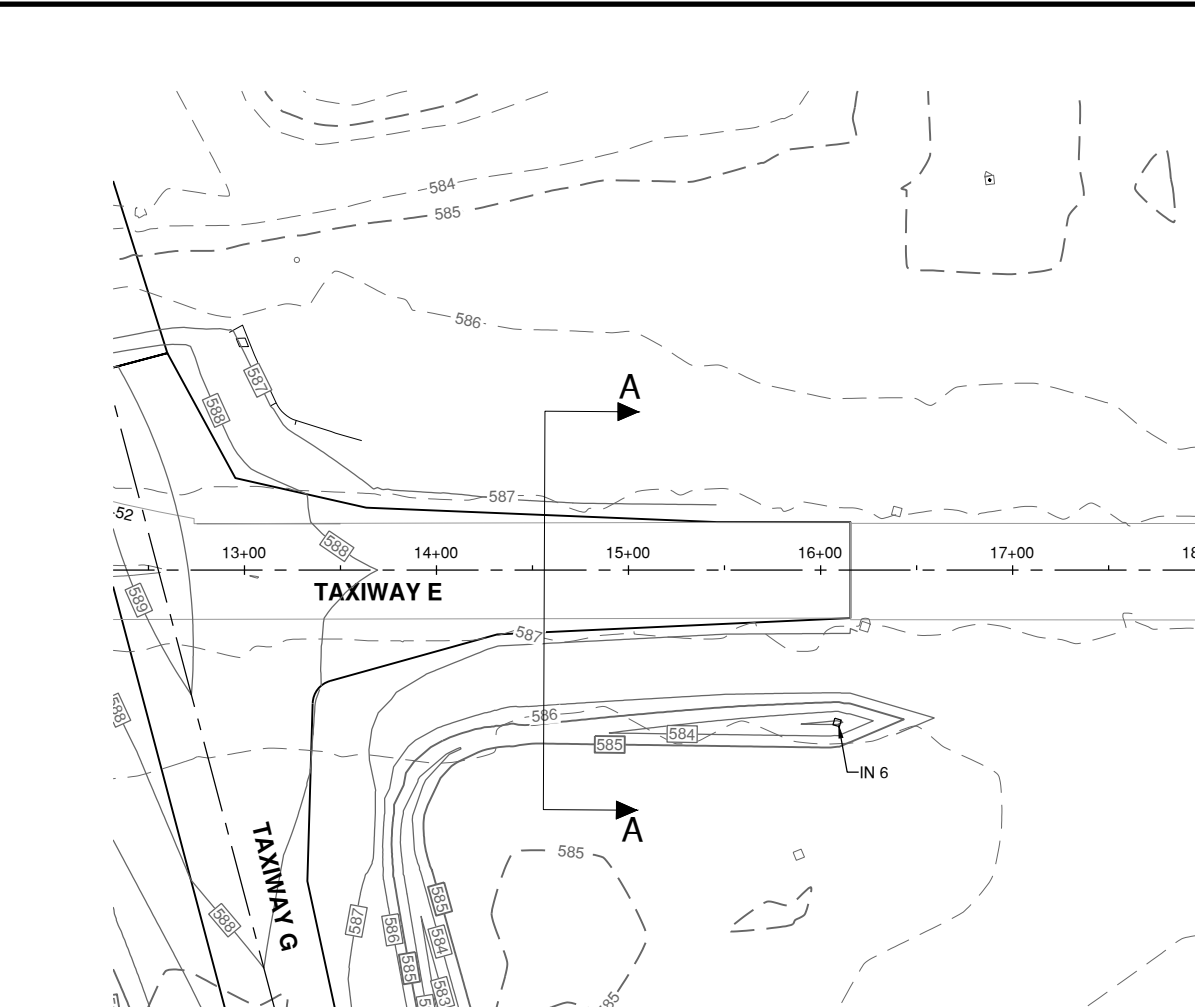
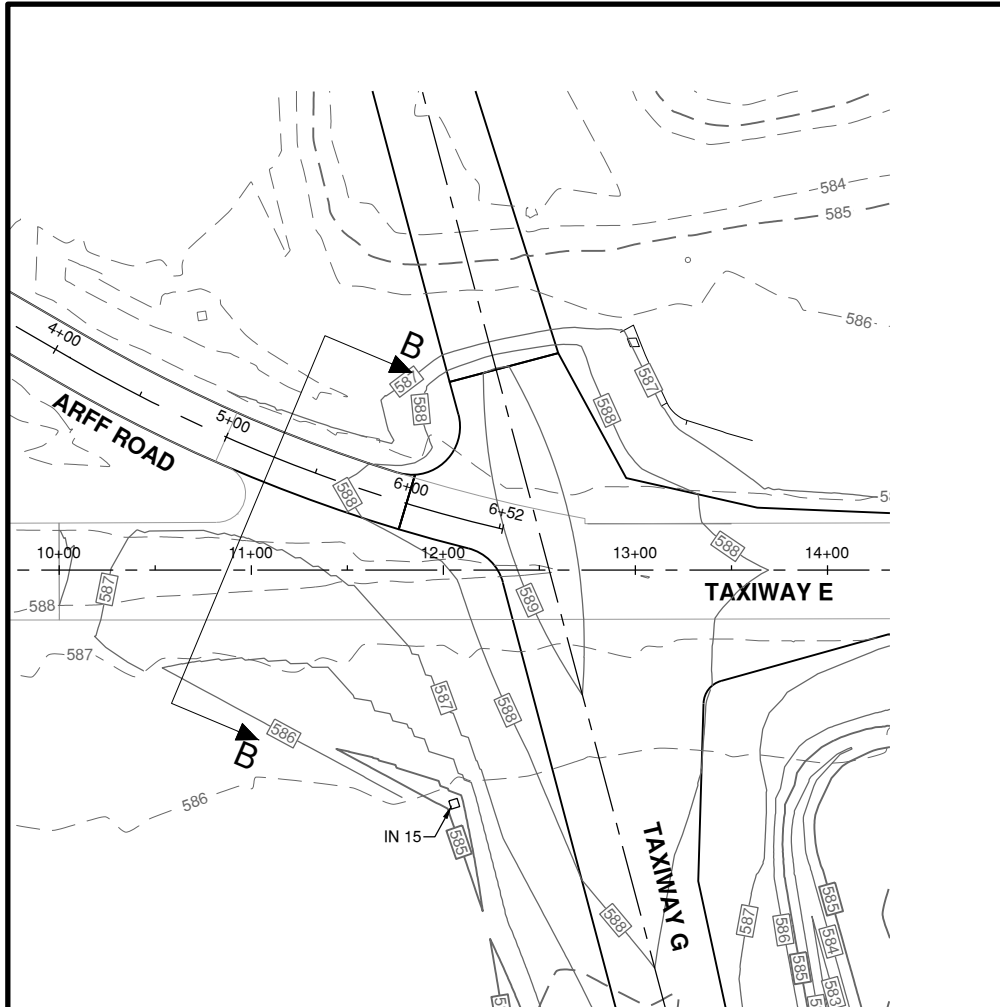
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DESIGNED BY: HWI		
DRAWN BY: DPA		
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SHEET TITLE

PLAN & PROFILE TAXIWAY G WEST

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Date: Thursday, April 29, 2021 10:28:55 AM



LEGEND

- NEW (PROFILE) ELEVATION
- EXIST. (PROFILE) ELEVATION
- NEW CONTOURS
- EXISTING CONTOURS
- PROPOSED PAVEMENT
- EXISTING PAVEMENT

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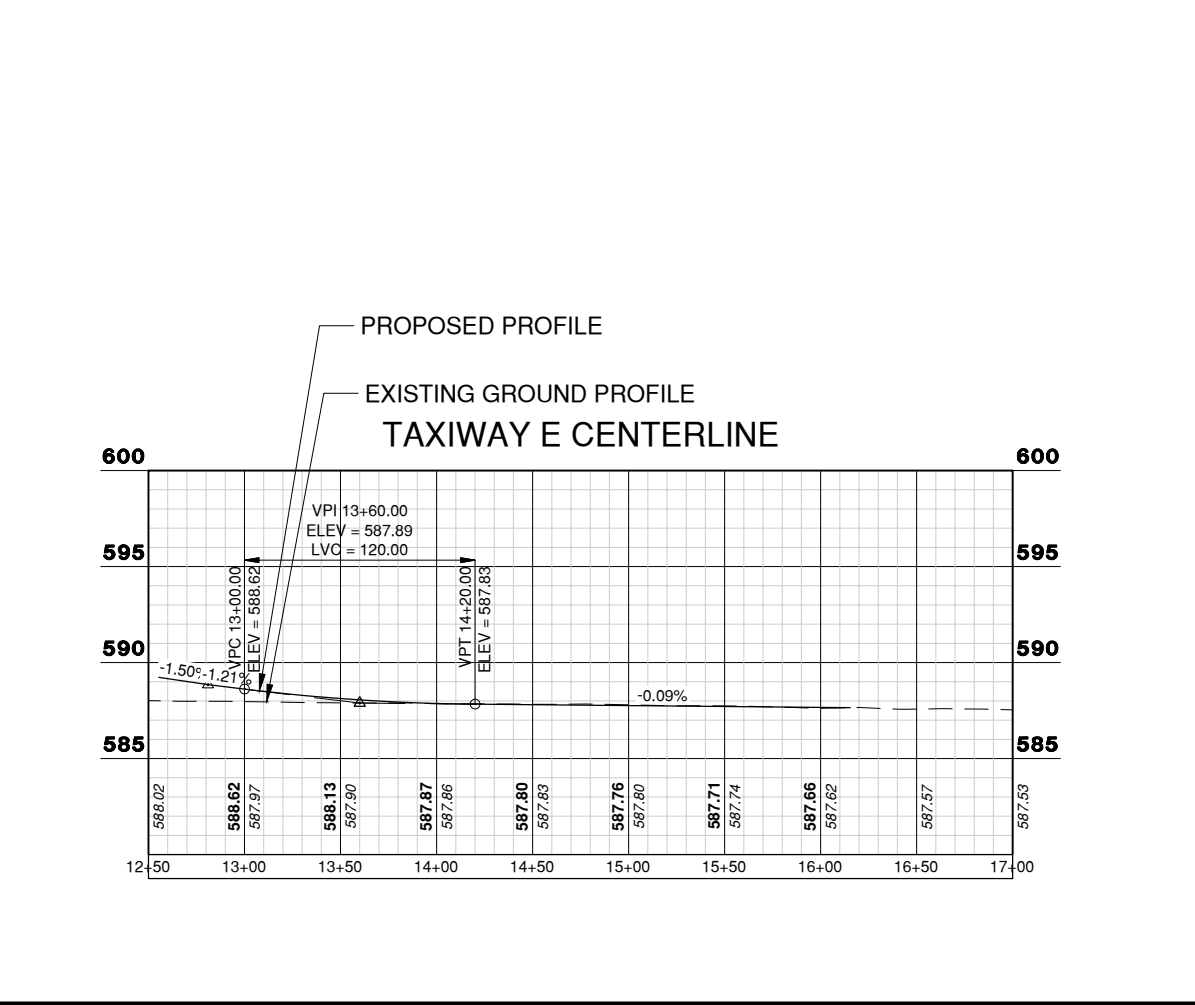
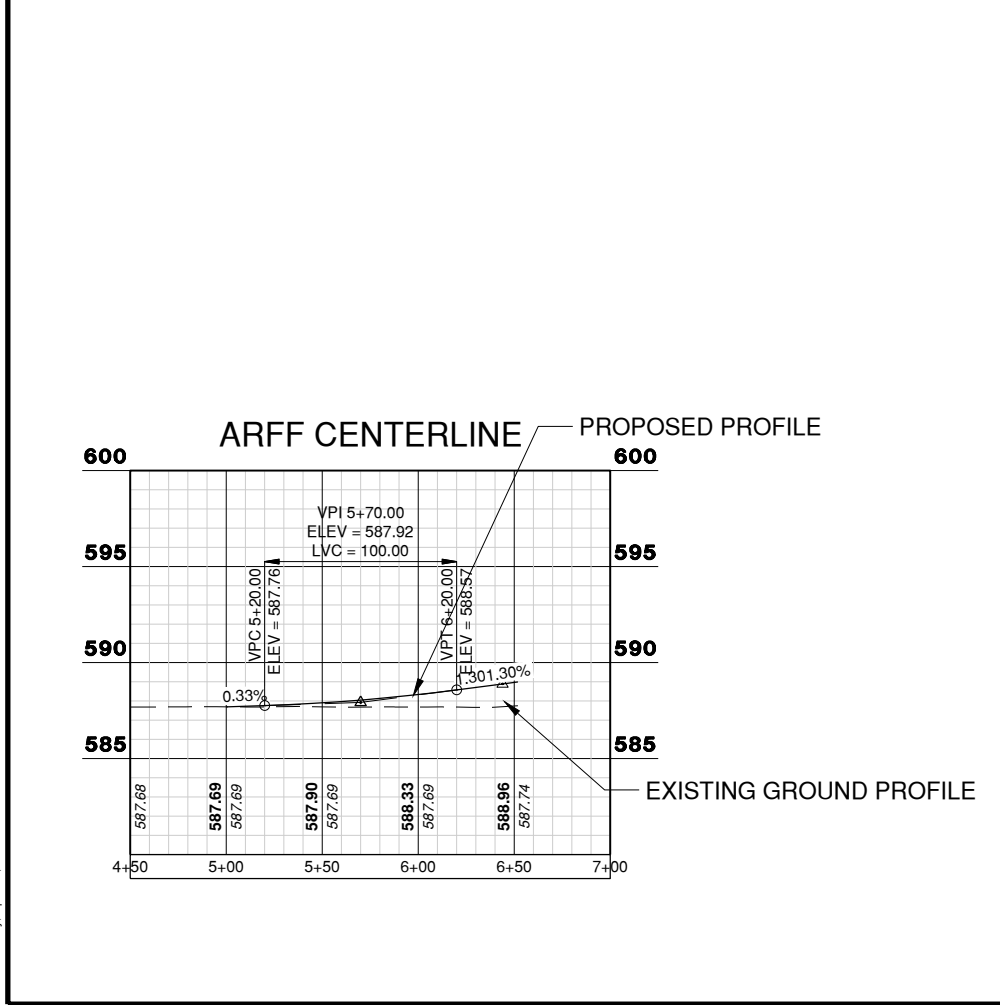
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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL



KEYMAP

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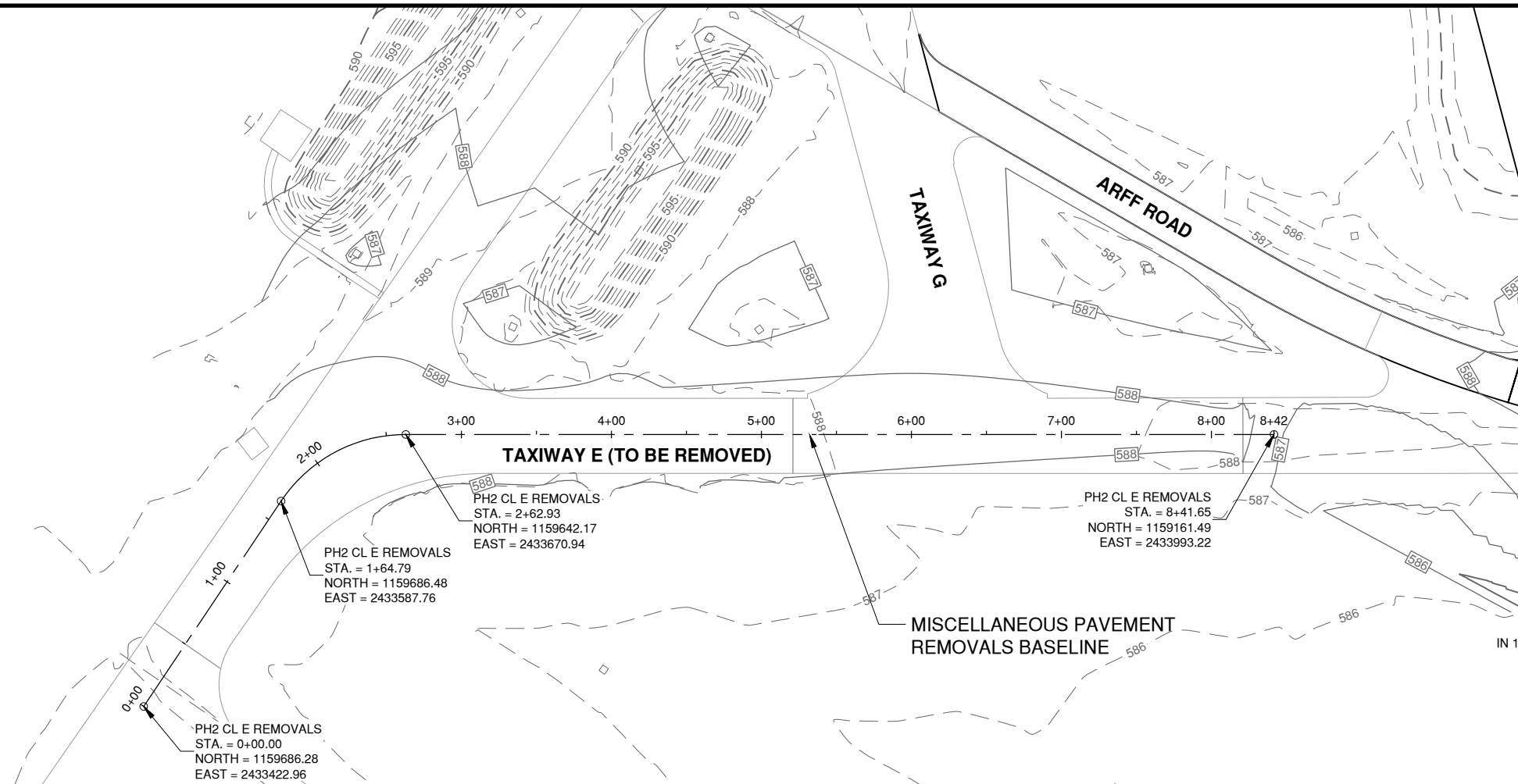
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SHEET TITLE

PLAN & PROFILE
ARFF & TXY E

CP202
SHEET 28 OF 109

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LEGEND

- NEW (PROFILE) ELEVATION
- EXIST. (PROFILE) ELEVATION
- NEW CONTOURS
- EXISTING CONTOURS
- PROPOSED PAVEMENT
- EXISTING PAVEMENT

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CONSULTANTS

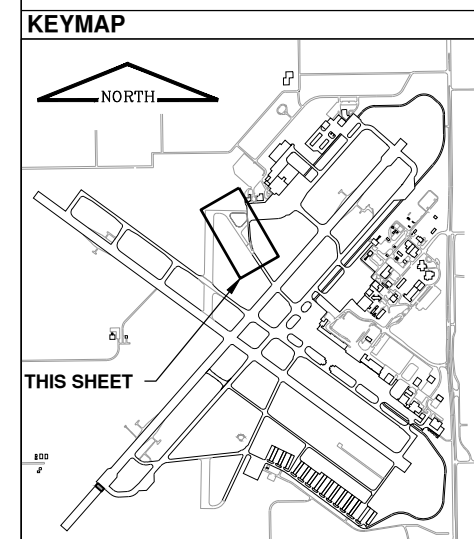
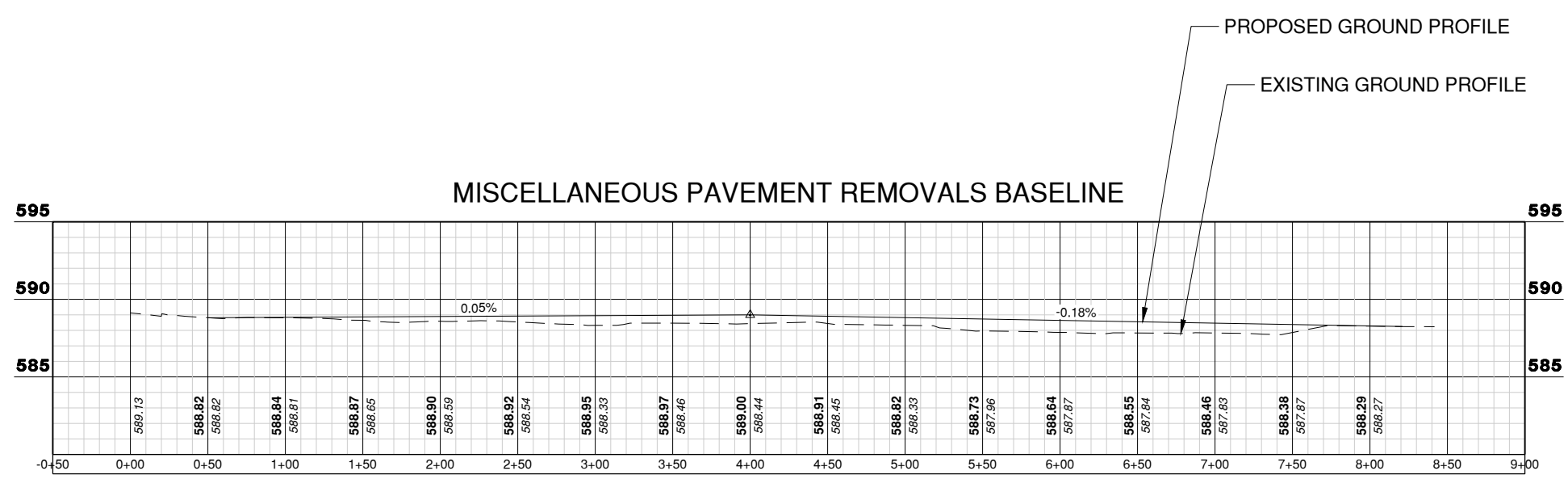
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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

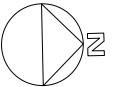


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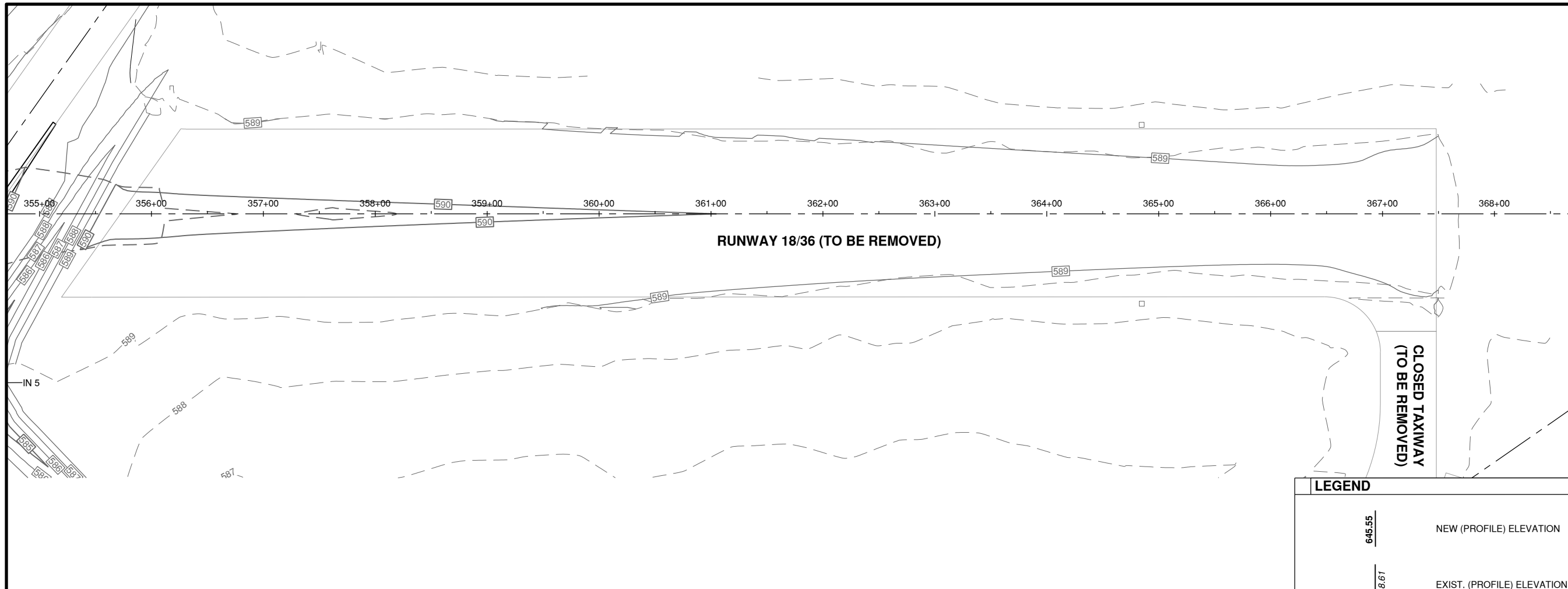
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PLAN & PROFILE MISC REMOVALS

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



LEGEND

- NEW (PROFILE) ELEVATION
- EXIST. (PROFILE) ELEVATION
- NEW CONTOURS
- EXISTING CONTOURS
- PROPOSED PAVEMENT
- EXISTING PAVEMENT

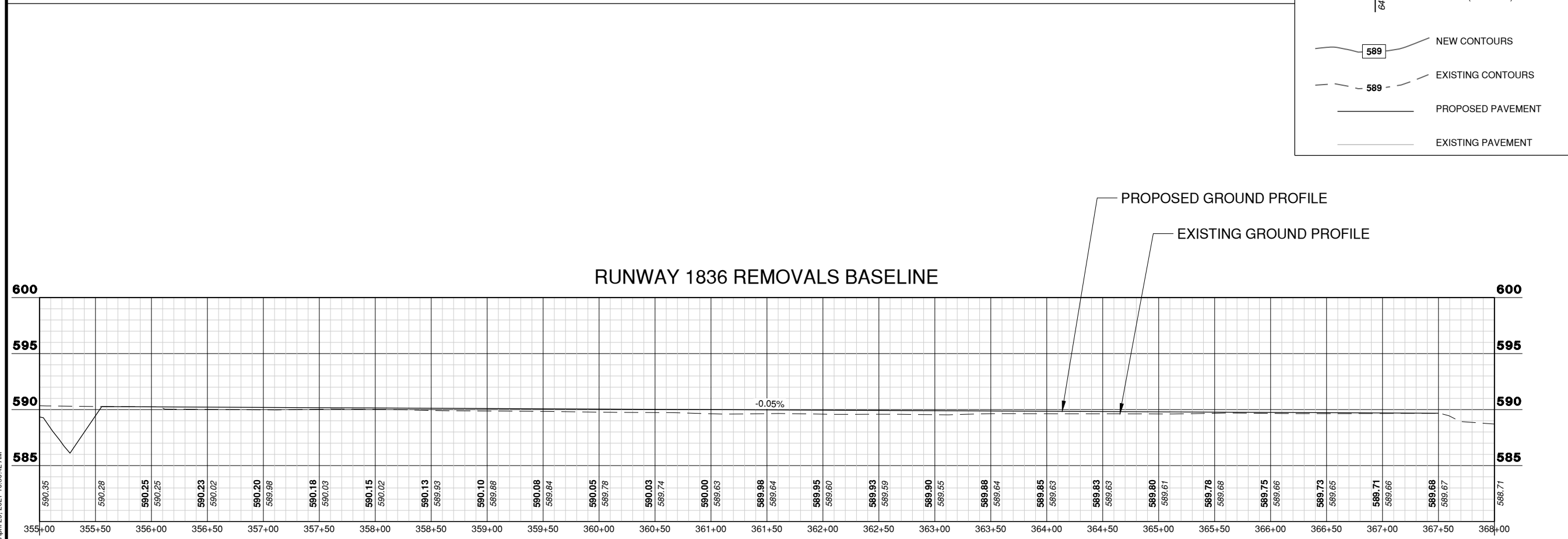
APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL



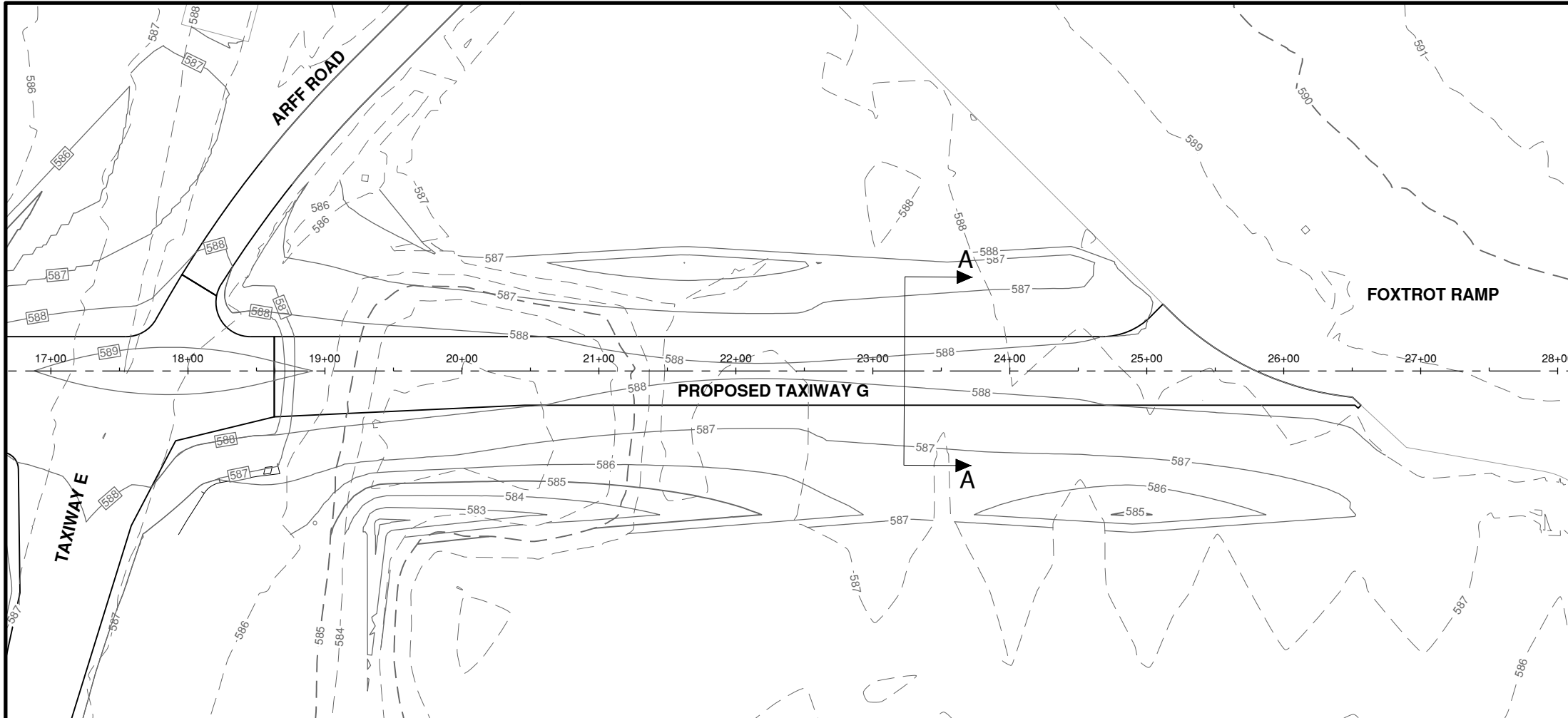
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PLAN & PROFILE RUNWAY 18-36 N

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LEGEND

- NEW (PROFILE) ELEVATION
- EXIST. (PROFILE) ELEVATION
- NEW CONTOURS
- EXISTING CONTOURS
- PROPOSED PAVEMENT
- EXISTING PAVEMENT

SEE SHEET CP301 FOR TYPICAL PAVEMENT SECTION

CMT
License No. 184-000613
CONSULTANTS

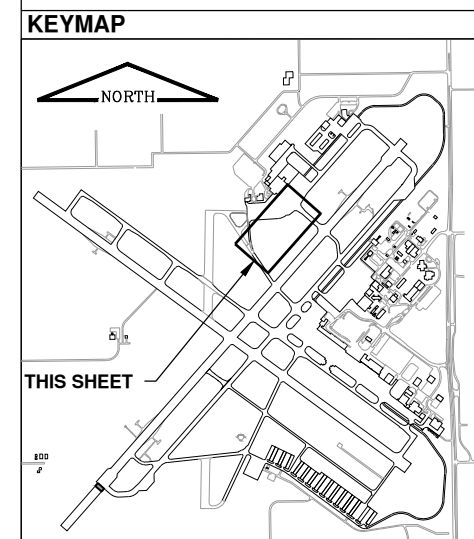
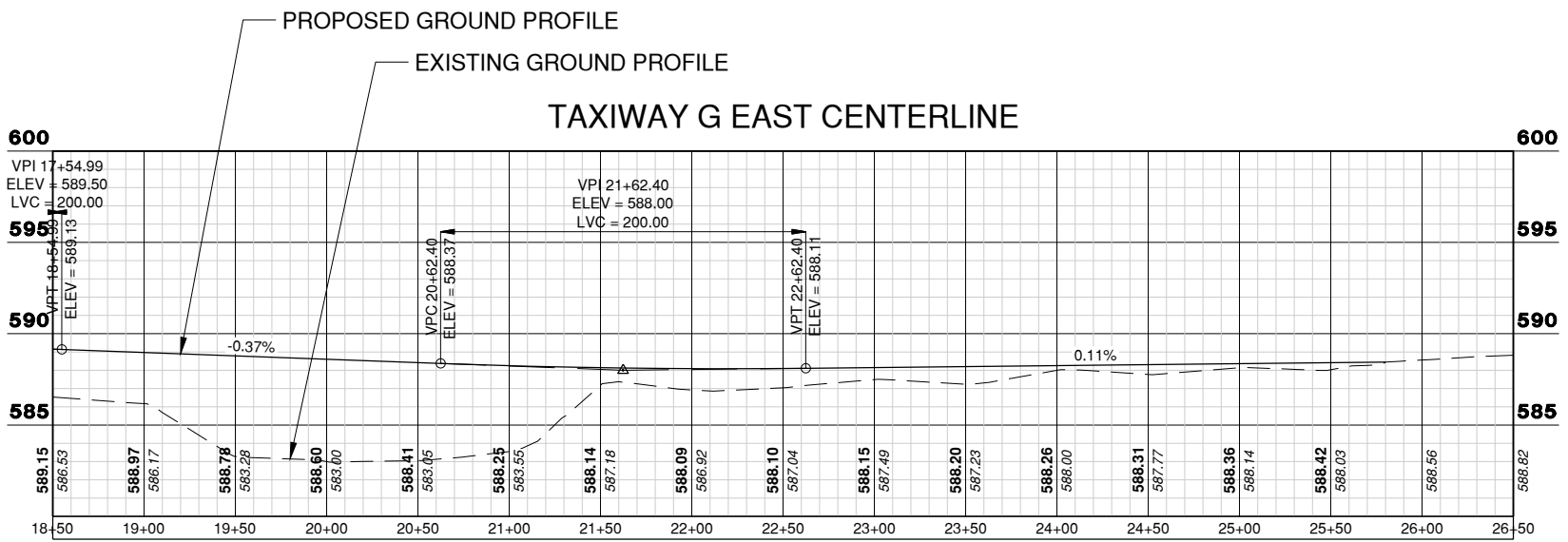
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL



MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908	
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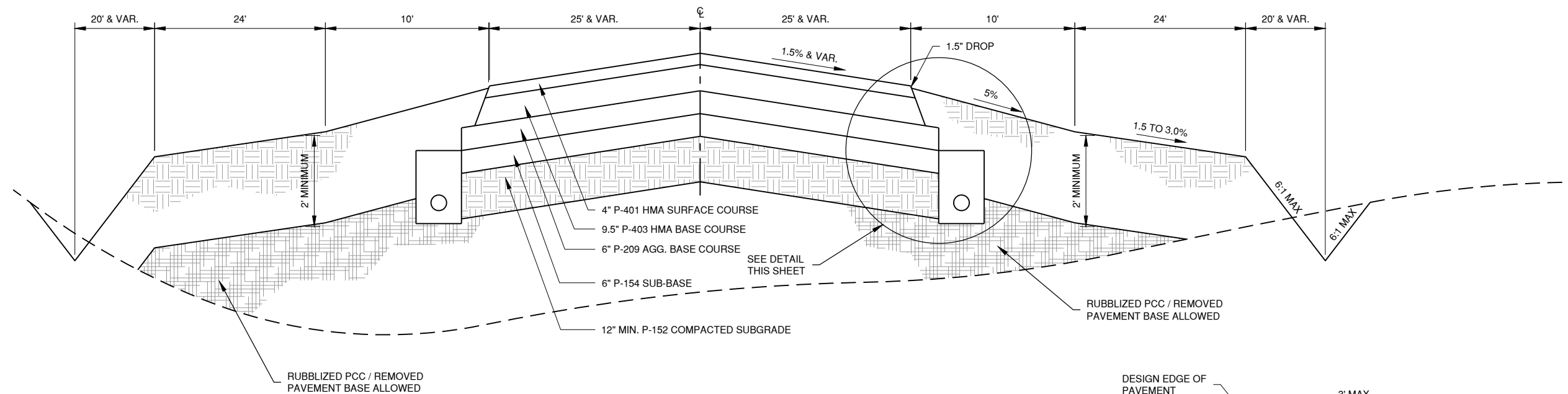
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PLAN & PROFILE TAXIWAY G EAST

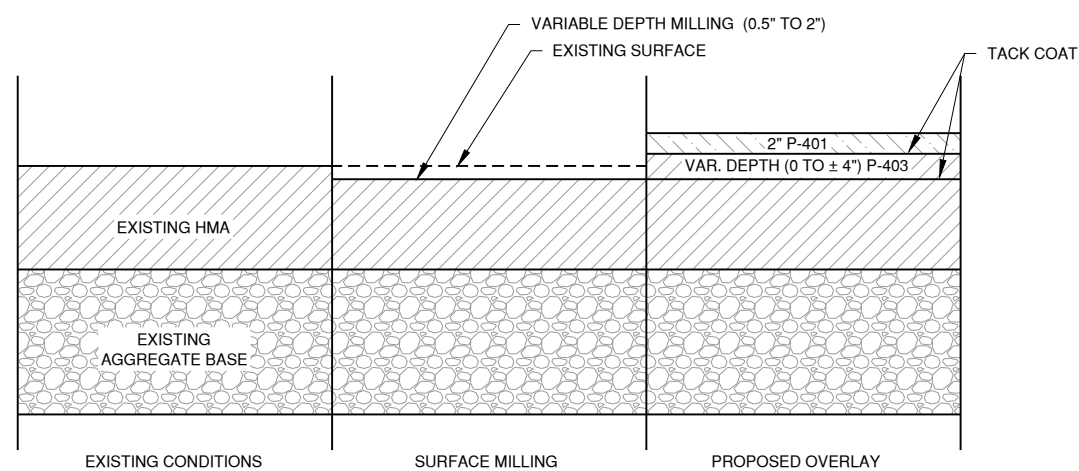
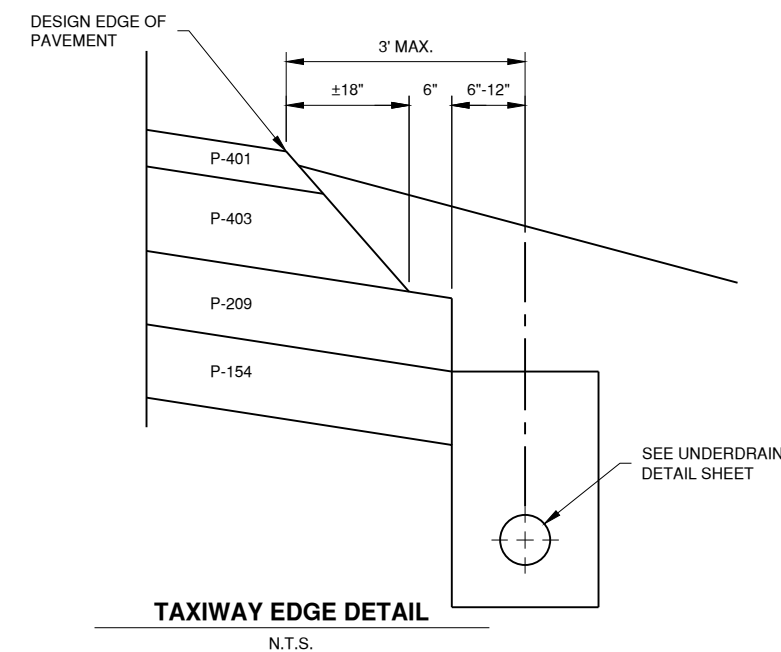
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SHEET 31 OF 109

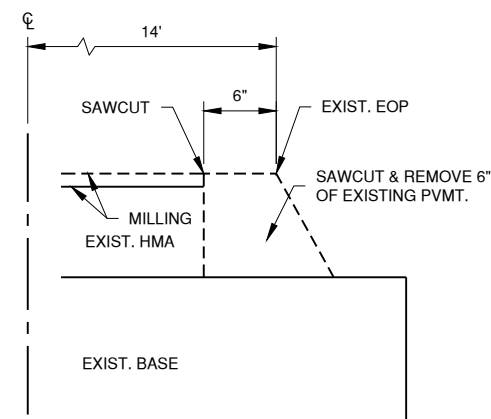
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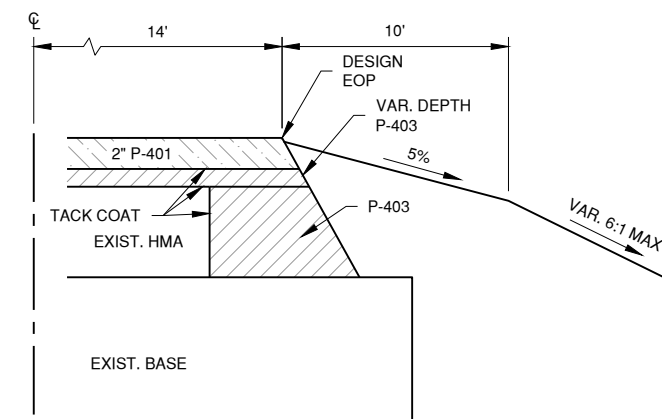
TYPICAL TAXIWAY SECTION
N.T.S.



ARRF ROAD OVERLAY DETAIL
N.T.S.



ARRF ROAD EDGE DETAIL
N.T.S.



APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

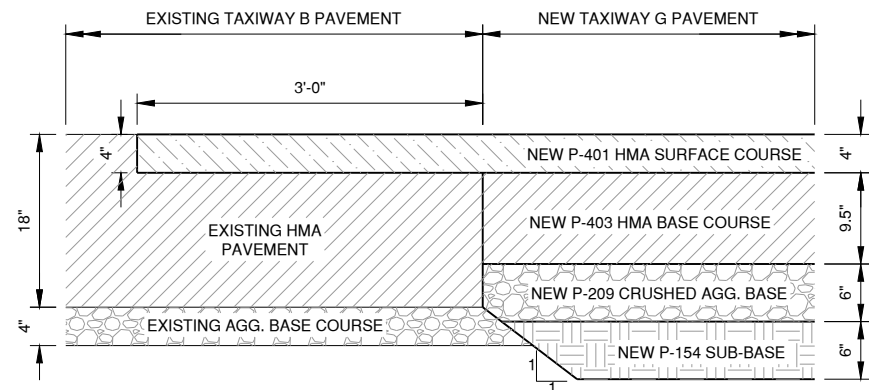
OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

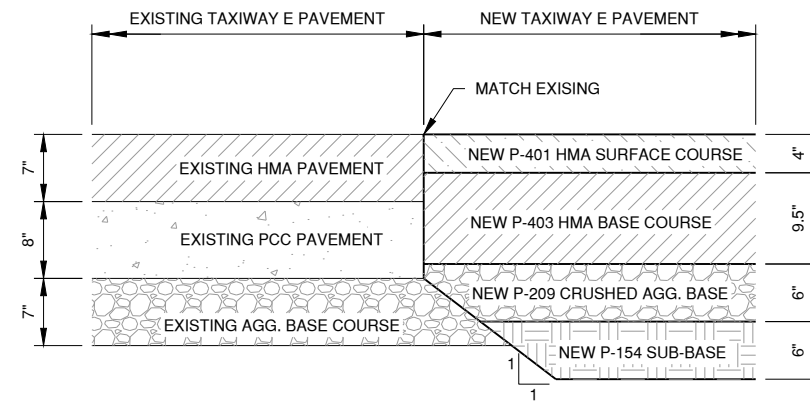
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CAD DWG FILE:	18003505-PH2-CP300.DWG	
DESIGNED BY:	HWI	
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SHEET TITLE
TYPICAL SECTIONS



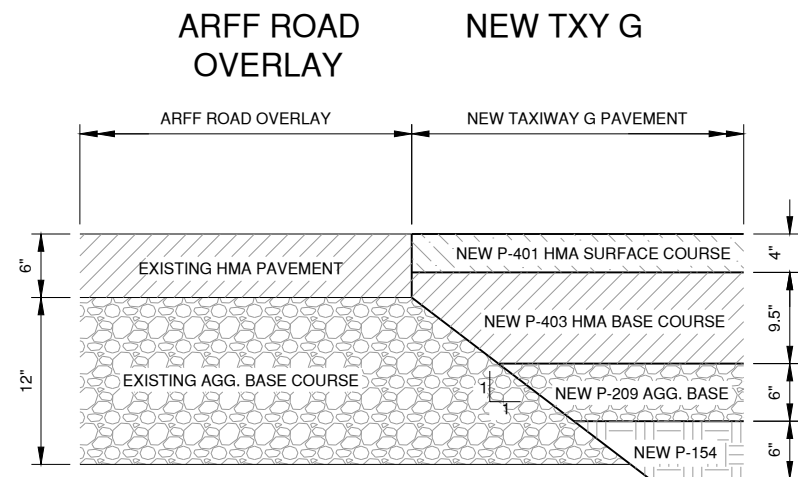
**PAVEMENT TRANSITION DETAIL
NEW TAXIWAY G TO
EXISTING TAXIWAY B**

① ————— N.T.S. ————— ①



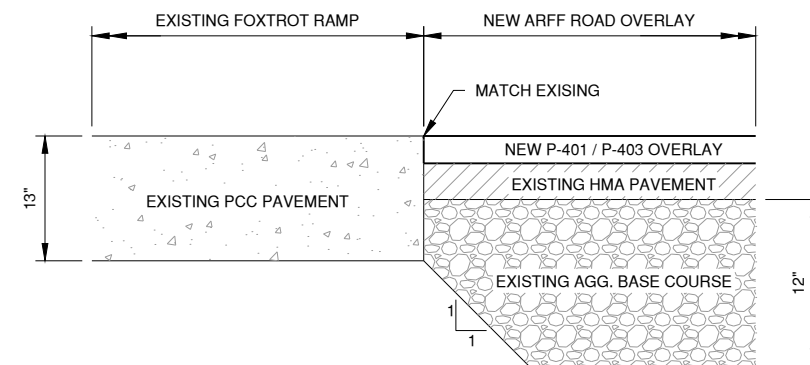
**PAVEMENT TRANSITION DETAIL
NEW TAXIWAY E TO
EXISTING TAXIWAY E**

② ————— N.T.S. ————— ②



**PAVEMENT TRANSITION DETAIL
NEW TAXIWAY G TO
EXISTING TAXIWAY B**

① ————— N.T.S. ————— ①



**PAVEMENT TRANSITION DETAIL
NEW ARFF ROAD OVERLAY TO
EXISTING FOXTROT RAMP**

④ ————— N.T.S. ————— ④

APRIL 30, 2021

**RUNWAY 18/36 REMOVAL AND
ASSOCIATED IMPROVEMENTS,
PHASE 2**

OWNER



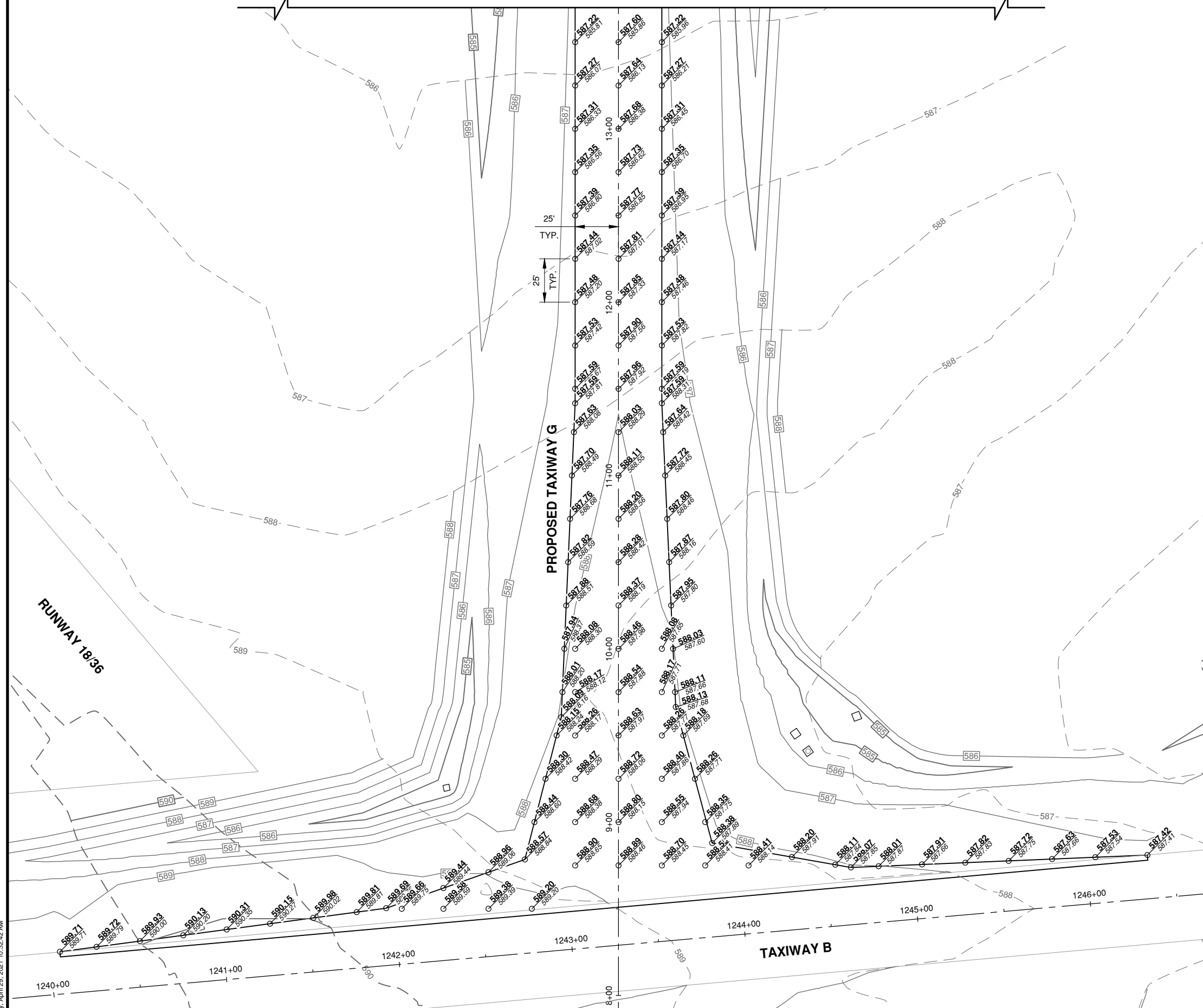
**SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL**

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CP300.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
APPROVED BY: APR	
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**PAVEMENT
TRANSITION DETAILS**

MATCHLINE - STAKING PLAN TXY G WEST 2



LEGEND

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

KEYMAP

NORTH

THIS SHEET

License No. 184-000613
CONSULTANTS

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

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CS100.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: CHK

APPROVED BY: APR

COPYRIGHT:

SHEET TITLE

STAKING PLAN TXY G WEST 1

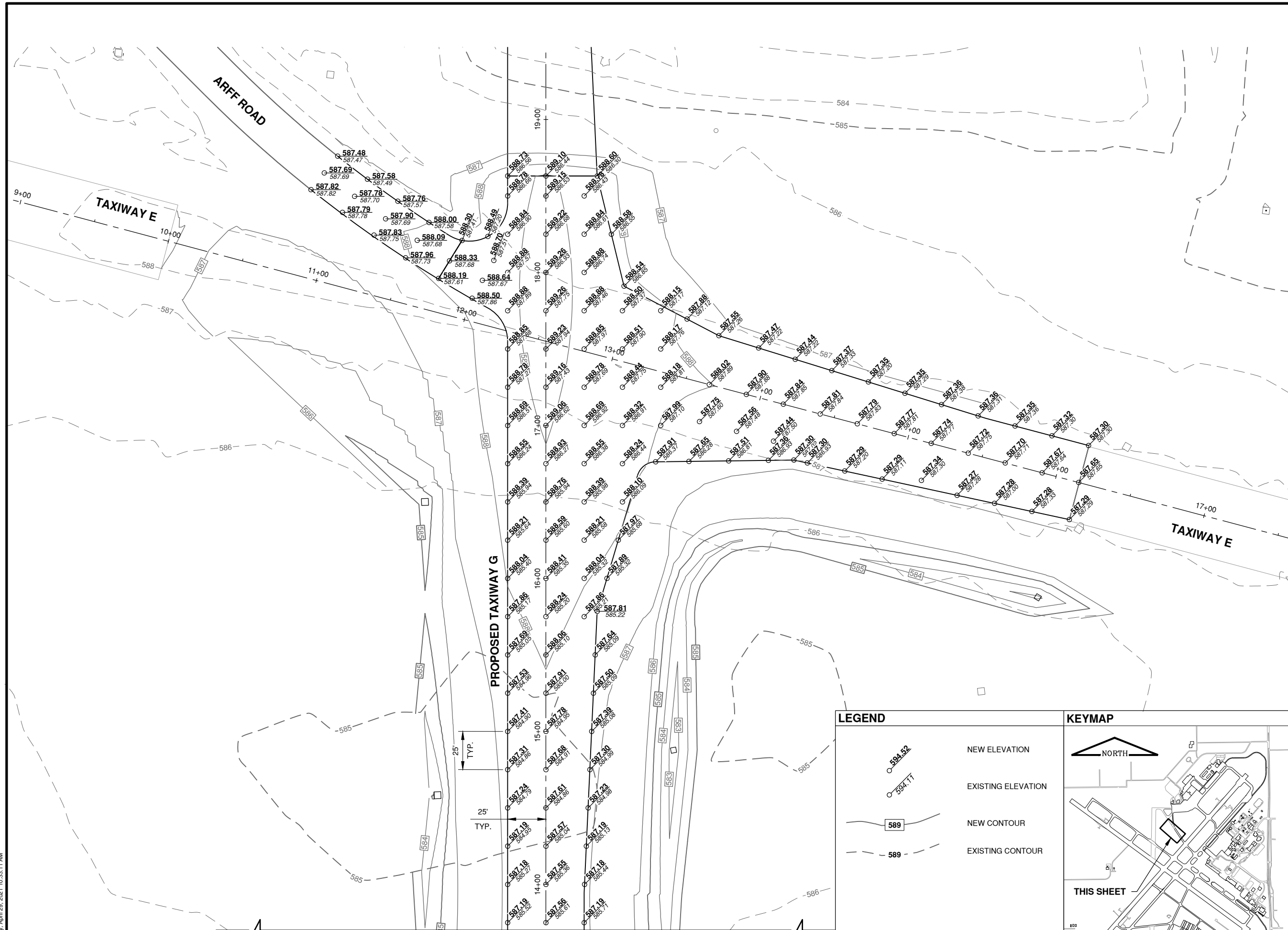
CS101

SHEET 34 OF 109

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Date: Thursday, April 29, 2021 10:32:42 AM



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



MATCHLINE - STAKING PLAN TXY G WEST 1

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



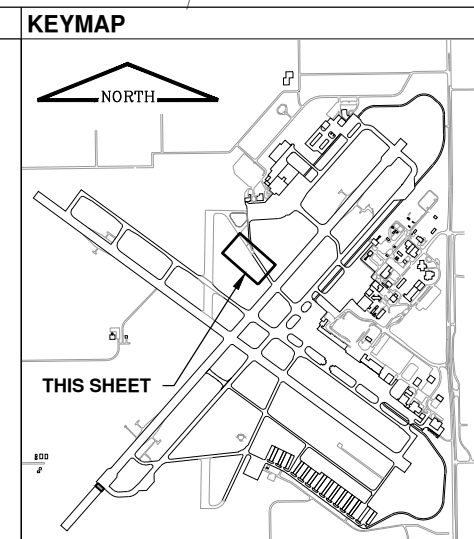
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	CA022
IL PROJ. NO:	SPI-4908	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH2-CS100.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	CHK	
APPROVED BY:	APR	
COPYRIGHT:		

STAKING PLAN TXY G WEST 2

LEGEND

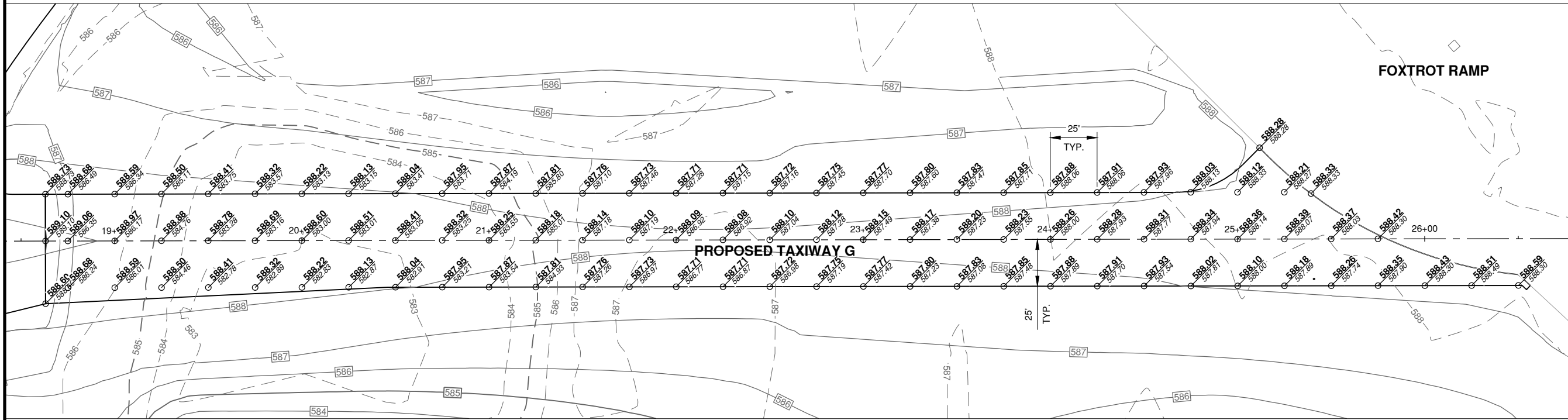
	NEW ELEVATION
	EXISTING ELEVATION
	NEW CONTOUR
	EXISTING CONTOUR



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APRIL 30, 2021

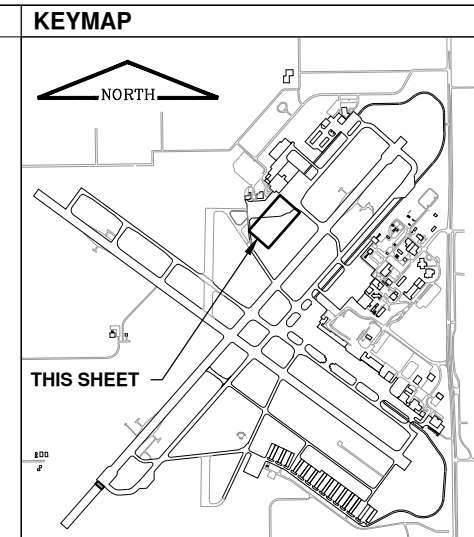
RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



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

LEGEND	
	NEW ELEVATION
	EXISTING ELEVATION
	NEW CONTOUR
	EXISTING CONTOUR



MARK	DATE	DESCRIPTION

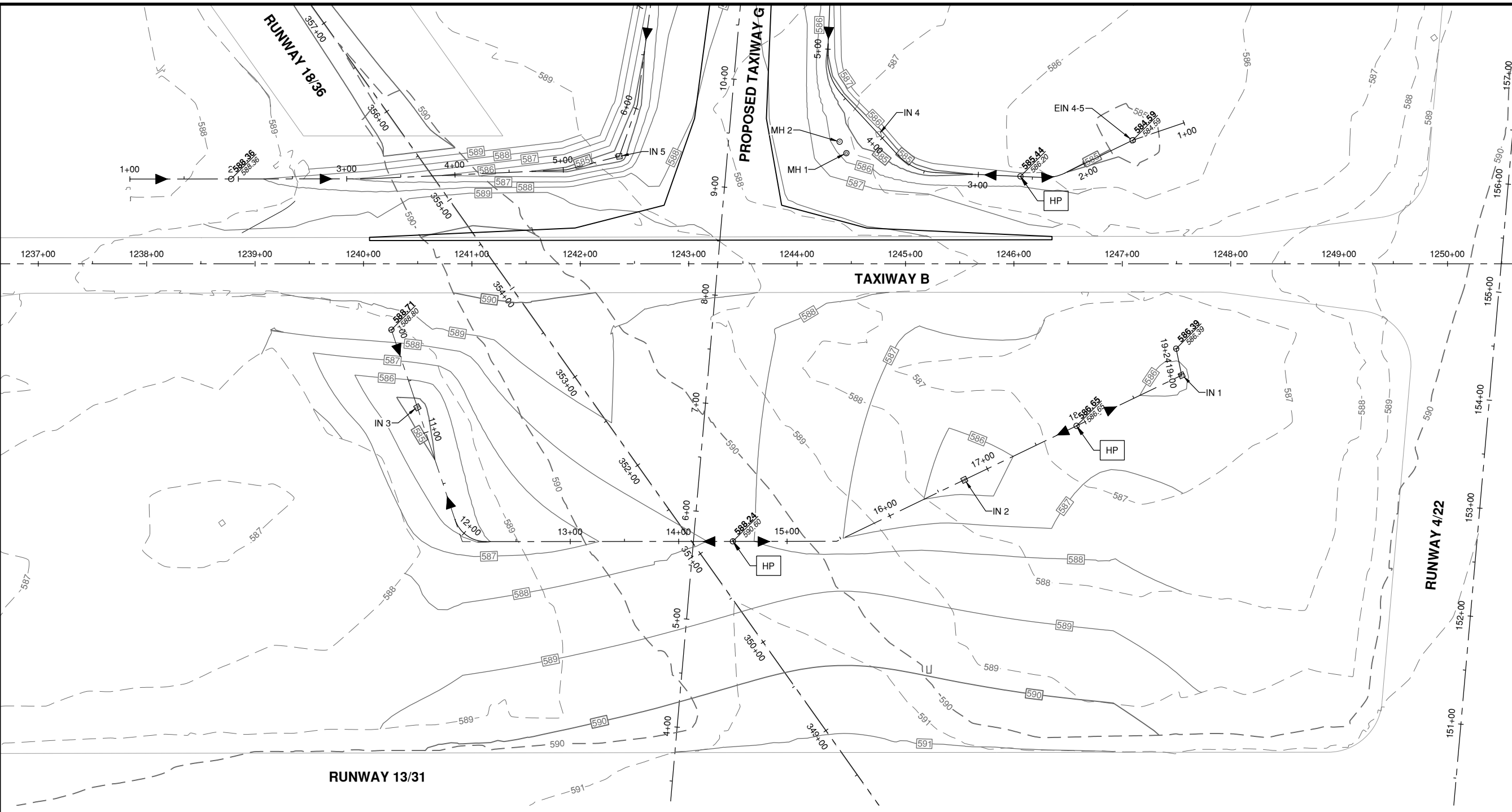
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DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
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**SHEET TITLE
STAKING PLAN TXY G
EAST**

Path: K:\Springfield\01180035-05_Rwy_18-36\Draw\Sheets\PH2-CS103.dwg
Date: Thursday, April 29, 2021 10:24:14 AM



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



APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	CA022
IL PROJ. NO:	SPI-4908	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH2-CG100.DWG	
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DRAWN BY:	DPA	
CHECKED BY:	CHK	
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COPYRIGHT:		

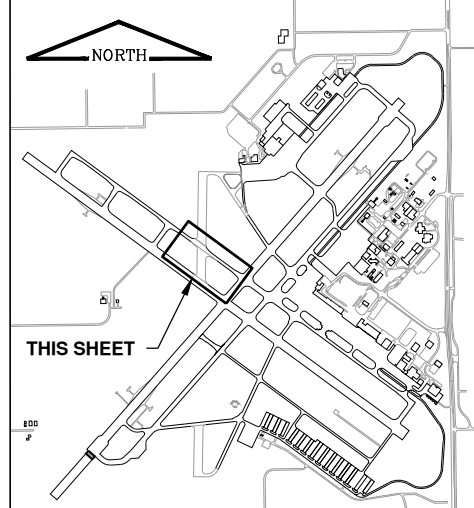
GRADING & DRAINAGE PLAN TXY G WEST 1

CG101
 SHEET 37 OF 109

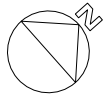
LEGEND

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

KEYMAP



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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

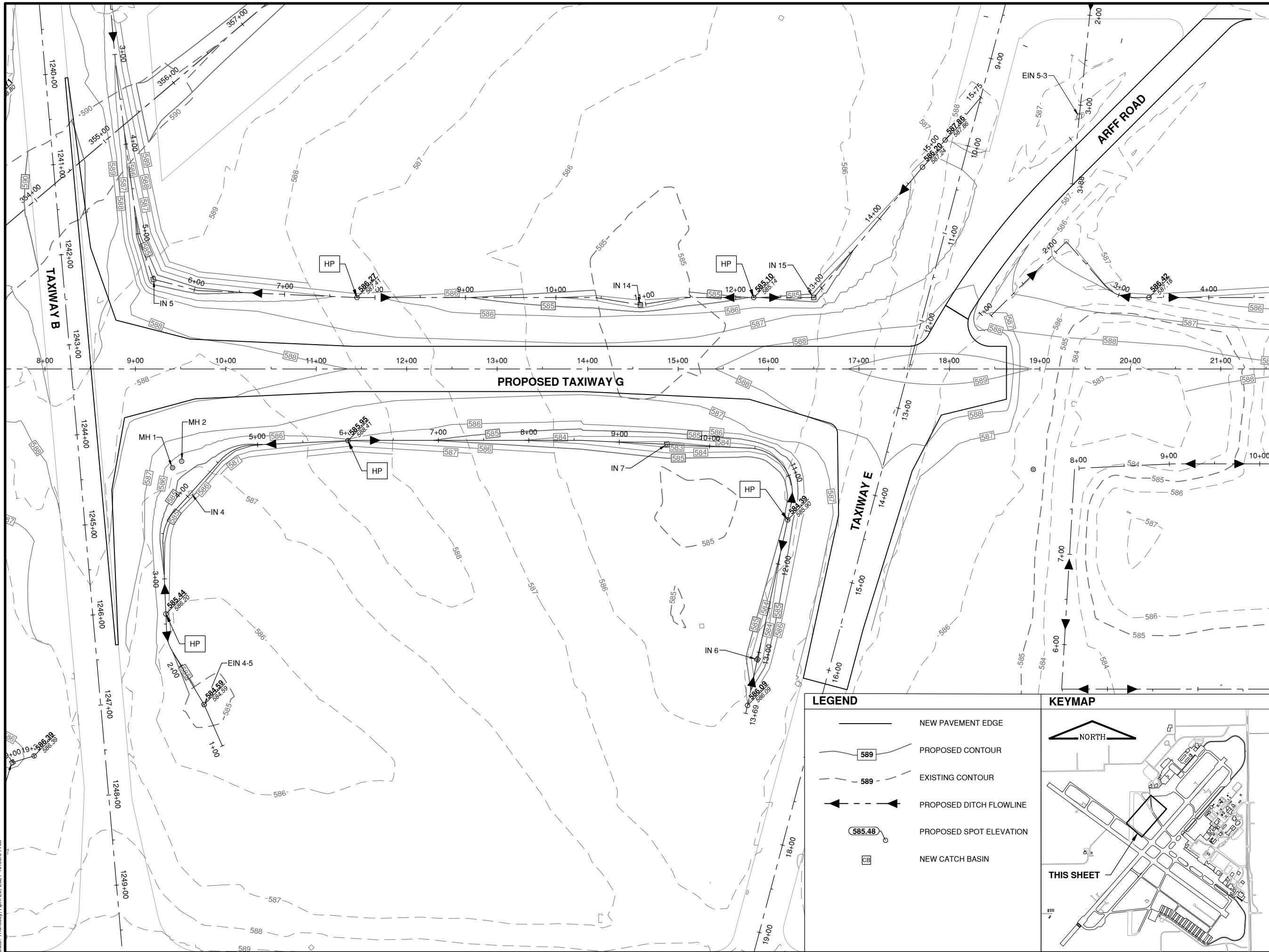


SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO: 3-17-0096-XX		CA022
IL PROJ. NO: SPI-4908		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH2-CG100.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: CHK		
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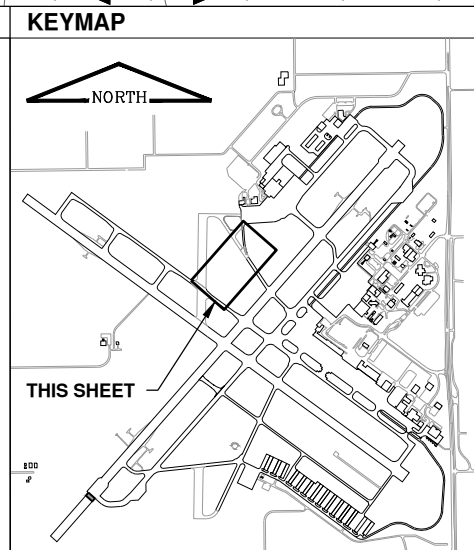
GRADING & DRAINAGE PLAN TXY G WEST 2

CG102
SHEET 38 OF 109

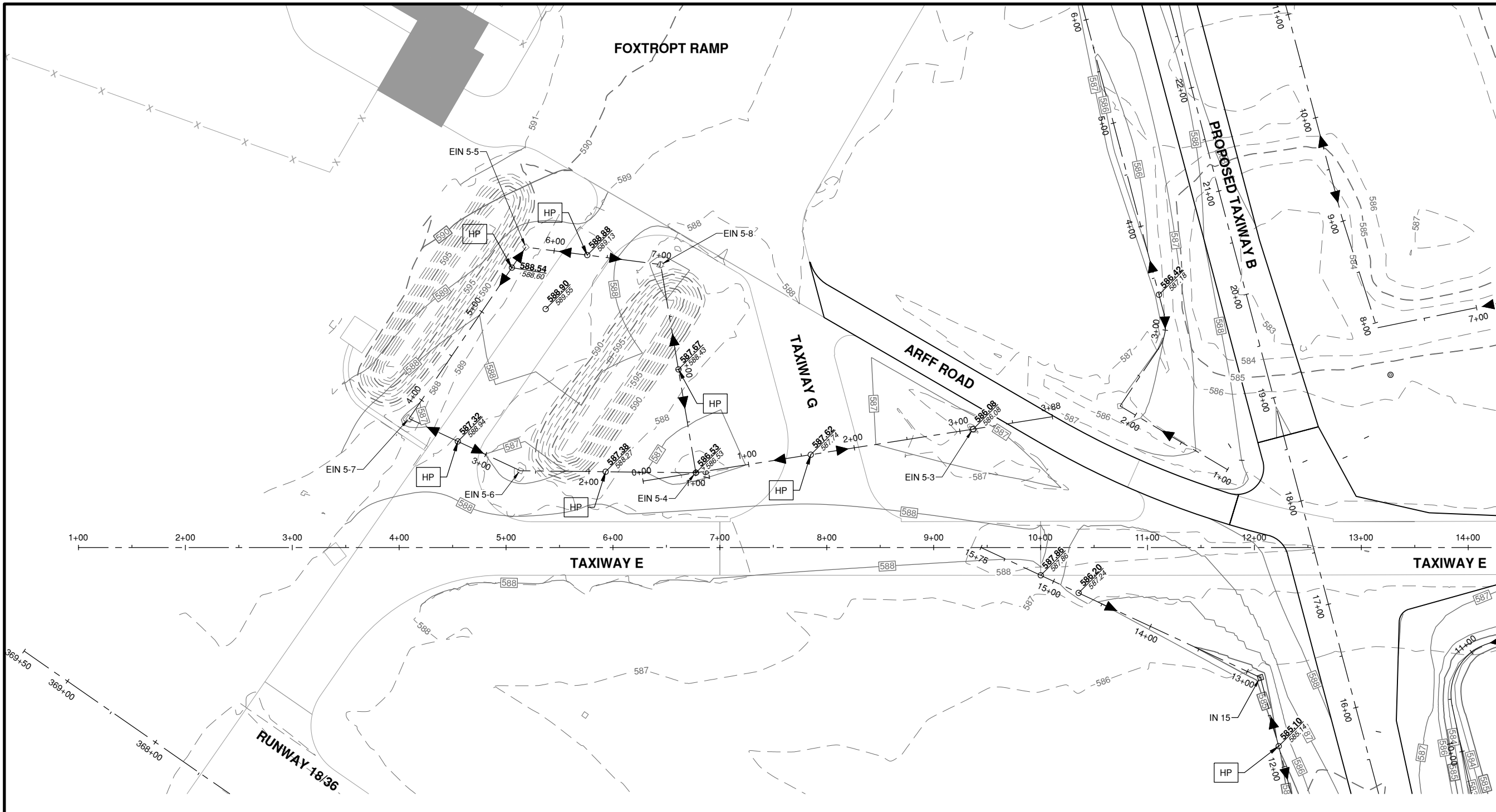


LEGEND

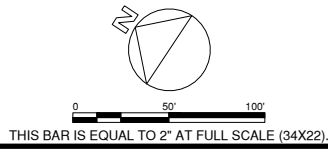
- NEW PAVEMENT EDGE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- PROPOSED DITCH FLOWLINE
- PROPOSED SPOT ELEVATION
- NEW CATCH BASIN



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APRIL 30, 2021

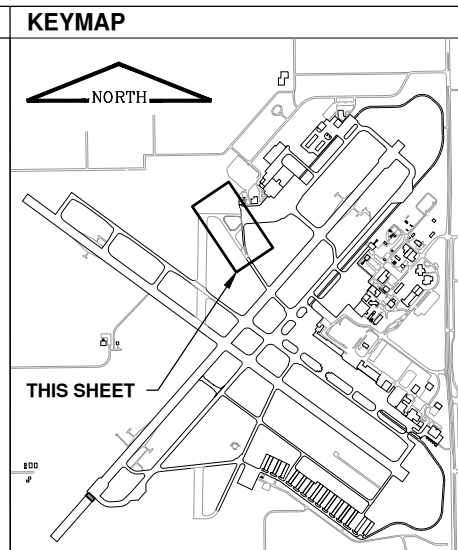
RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

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		CA022
IL PROJ. NO: SPI-4908		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH2-CG100.DWG		
DESIGNED BY: HWI		
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GRADING & DRAINAGE PLAN MISC REMOVALS

CG103
SHEET 39 OF 109

Path: K:\Springfield\0118035-05_Rwy_18-36\Draw\Sheets\PHASE 2\18003505-PH2-CG100.dwg
Date: Thursday, April 29, 2021 10:35:24 AM



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APRIL 30, 2021

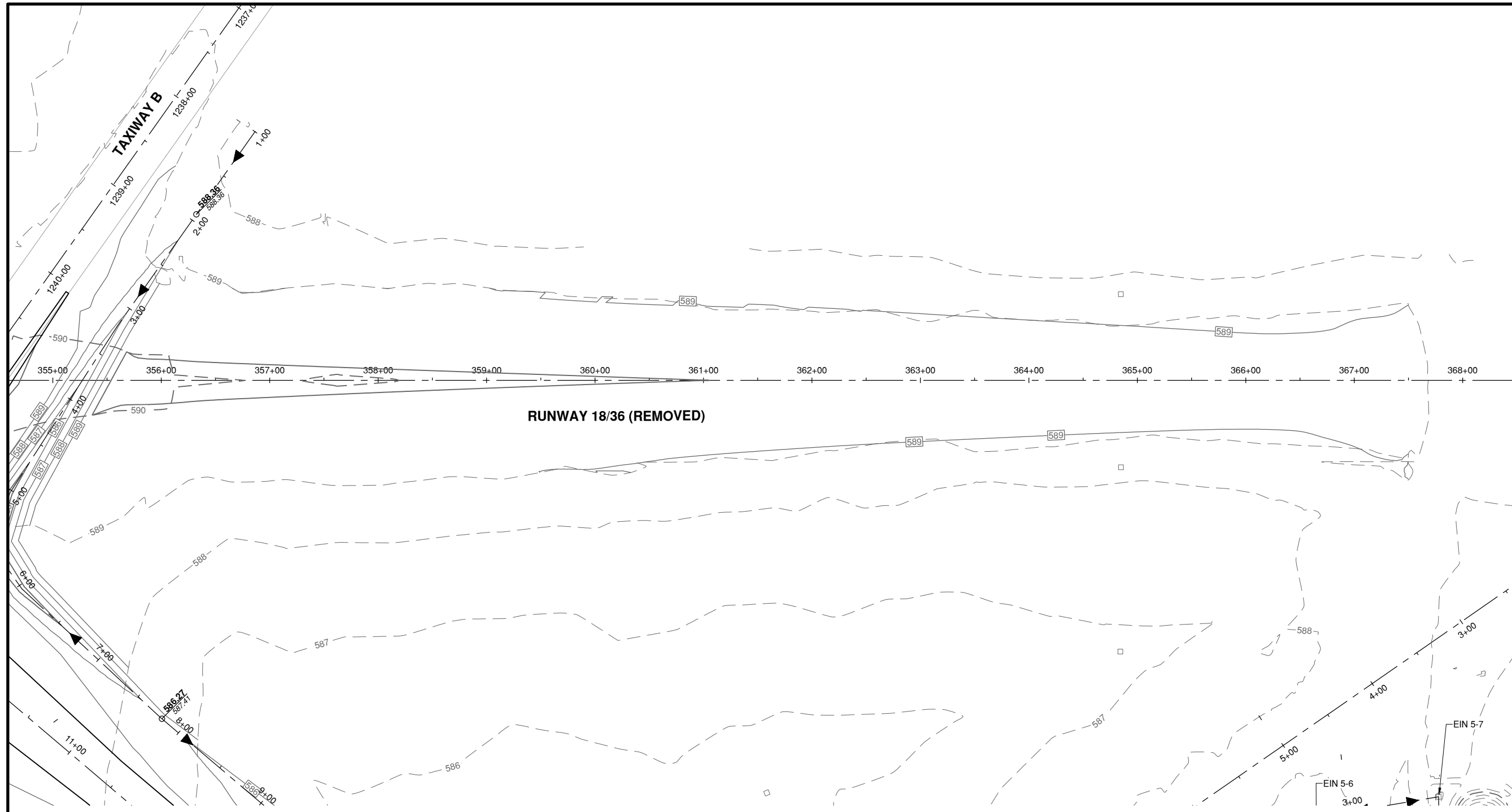
RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

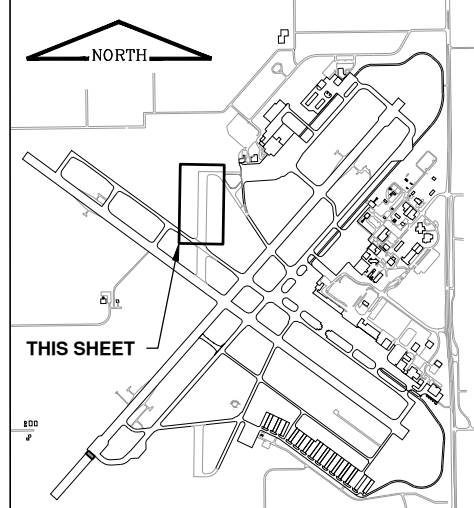
RUNWAY 18/36 (REMOVED)



LEGEND

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

KEYMAP



MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA022
IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CG100.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
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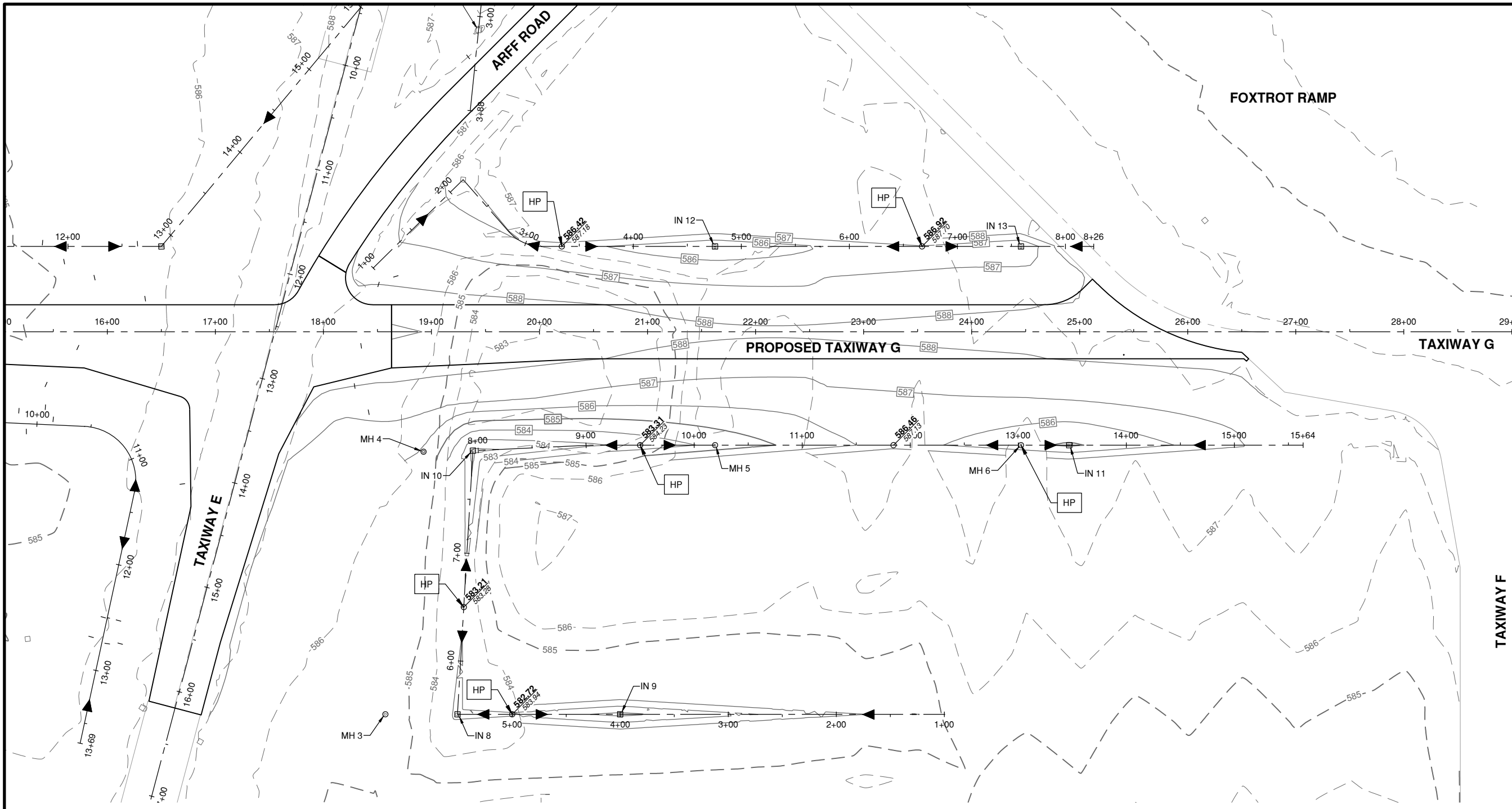
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GRADING & DRAINAGE PLAN 1836 NORTH REMOVALS

CG104
SHEET 40 OF 109

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 Date: Thursday, April 29, 2021 10:38:04 AM



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

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

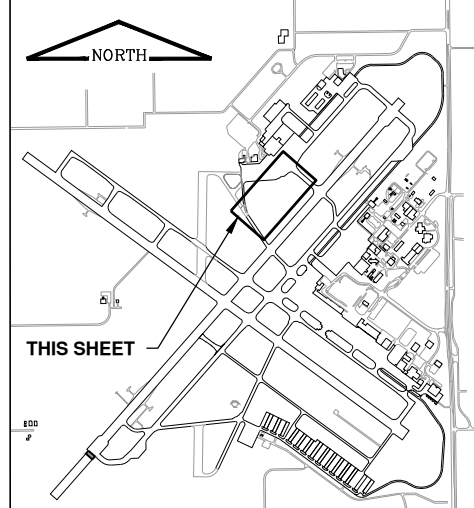


SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

LEGEND

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

KEYMAP



MARK	DATE	DESCRIPTION

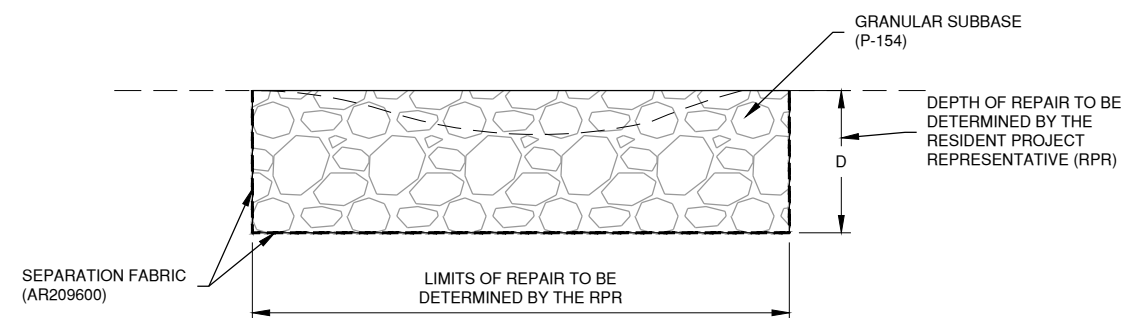
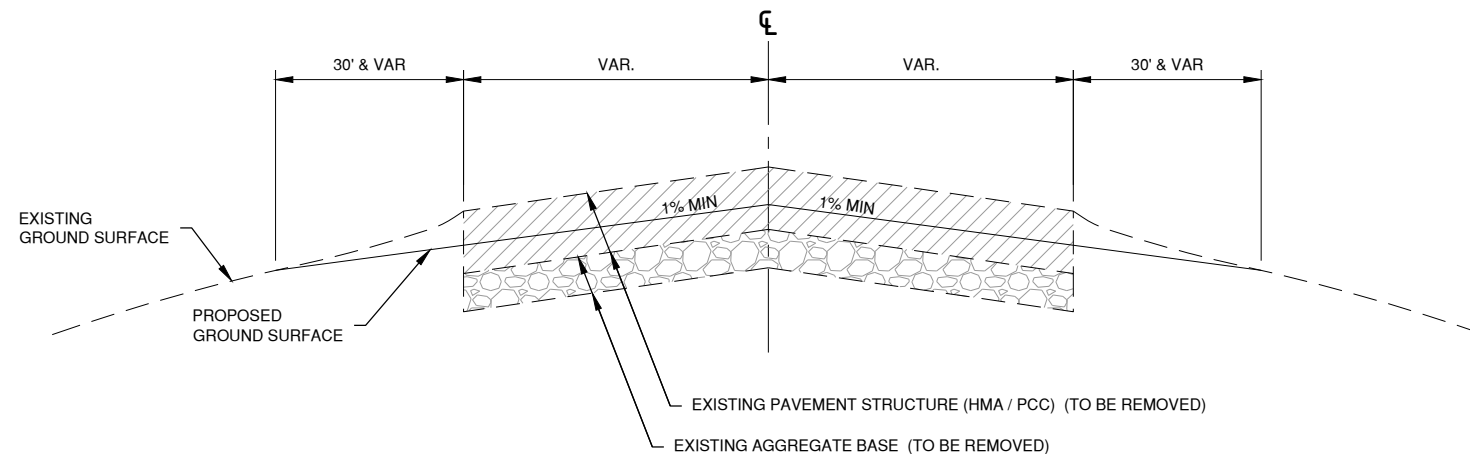
GRADING & DRAINAGE PLAN TXY G EAST

CG105
 SHEET **41** OF **109**



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SUBGRADE REPAIR NOTES

1. THE REMOVAL AREA AND DEPTH SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION BY THE RPR. REMOVED MATERIALS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY.
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 COMPACT 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. GRANULAR SUBBASE
4. SEPARATION FABRIC SHALL BE PAID UNDER ITEM AR209600.

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CG300.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: CHK

APPROVED BY: APR

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SHEET TITLE

GRADING DETAILS

CG301

SHEET **42** OF **109**

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Date: Thursday, April 29, 2021 10:38:26 AM

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER


 SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX CA022

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CG300.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: CHK

APPROVED BY: APR

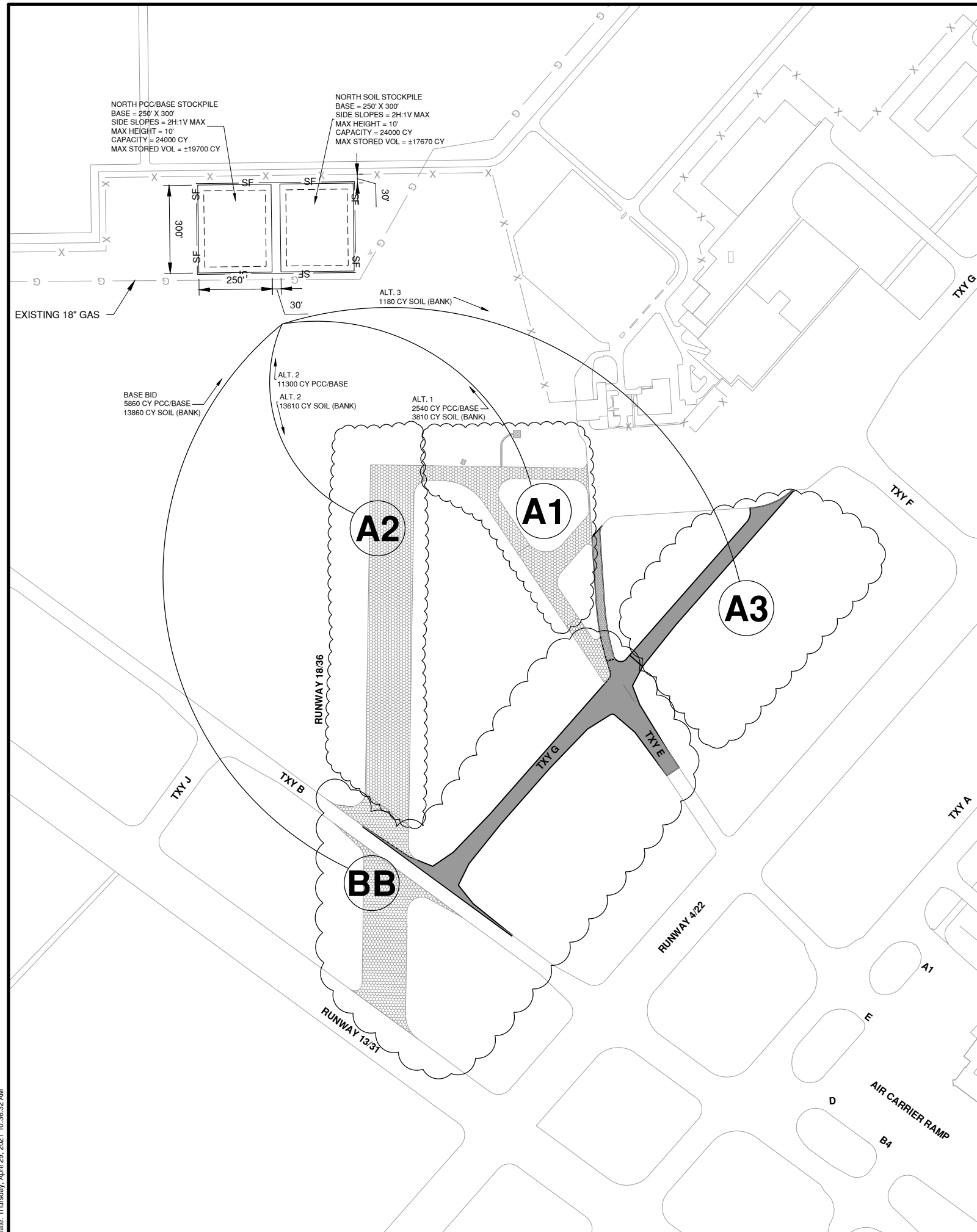
COPYRIGHT:

SHEET TITLE

EARTHWORK SCHEMATIC

CG302

SHEET 43 OF 109


BB

 BASE BID - TXY G WEST
 4380 CY HMA REMOVAL
 5860 CY PCC / BASE REMOVAL
 15490 CY SOIL CUT
 3710 CY EMBANKMENT
 STOCKPILE 5860 CY PCC/BASE
 STOCKPILE 11780 CY SOIL
 WASTE 4380 CY HMA

A1

 ADD. ALT. 1 - MISC REMOVALS
 2000 CY HMA REMOVAL
 2540 CY PCC/BASE REMOVAL
 7320 CY SOIL CUT
 4080 CY EMBANKMENT
 STOCKPILE 2540 CY PCC/BASE
 STOCKPILE 3240 CY SOIL
 WASTE 2000 CY HMA

A2

 ADD. ALT. 2 - 18/36 N REMOVALS
 2560 CY HMA REMOVAL
 11300 CY PCC/BASE REMOVAL
 0 CY SOIL CUT
 11570 CY EMBANKMENT
 STOCKPILE 11300 CY PCC/BASE
 IMPORT 11570 CY SOIL
 WASTE 2560 CY HMA

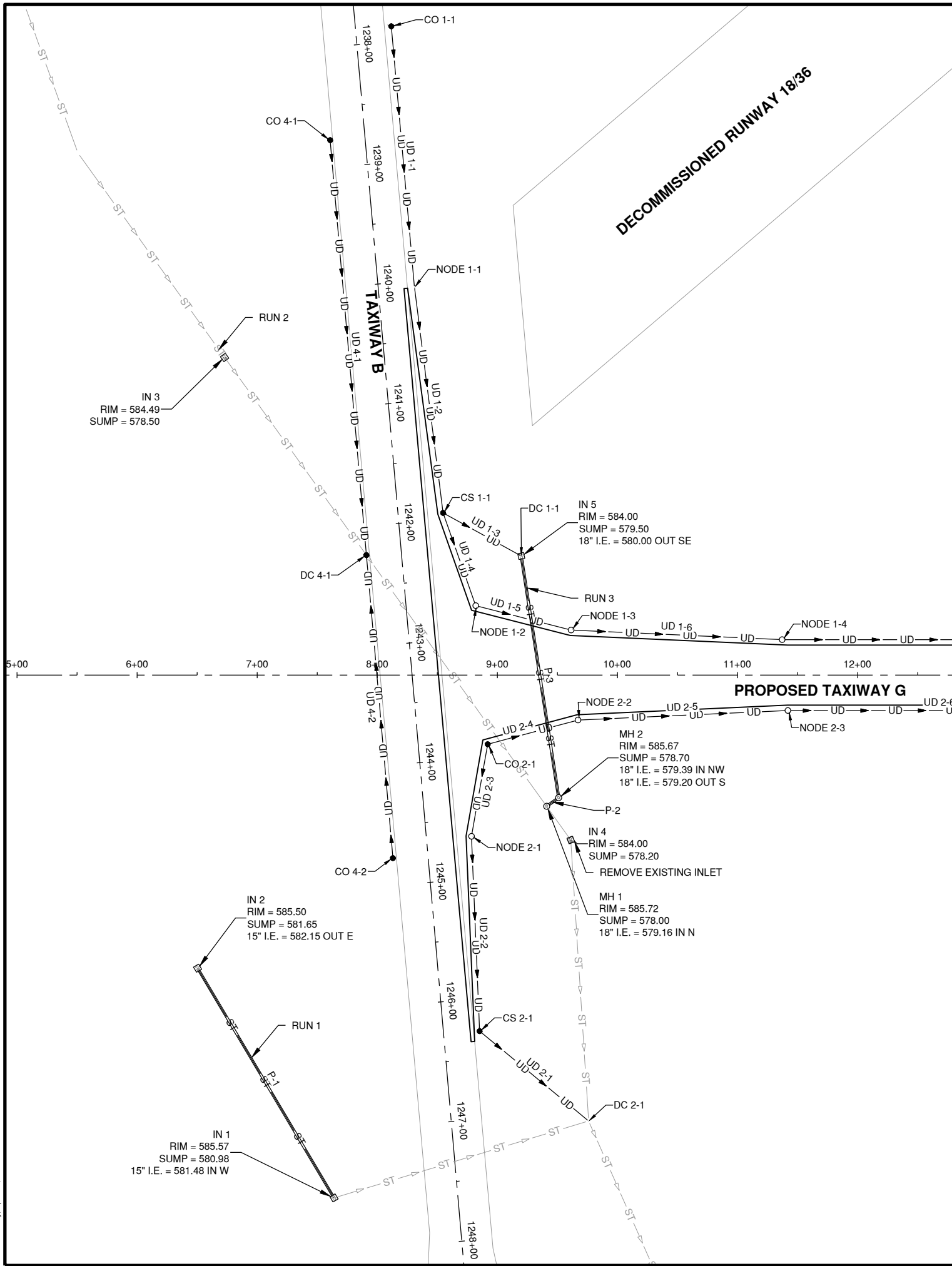
A3

 ADD. ALT. 3 - TXY G EAST
 0 CY HMA REMOVAL
 0 CY PCC/BASE REMOVAL
 3260 CY SOIL CUT
 4260 CY EMBANKMENT
 IMPORT 1000 CY SOIL

STOCKPILE NOTES

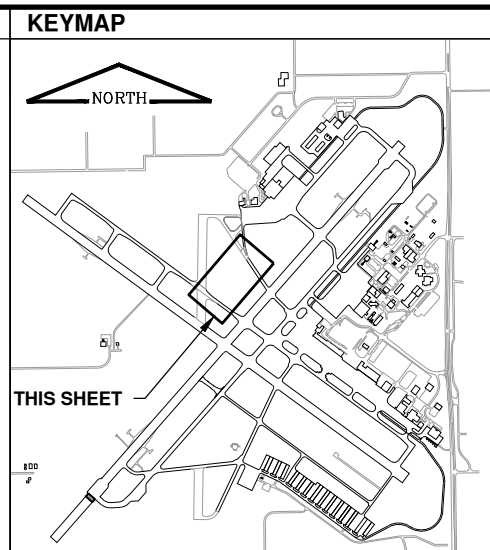
- HMA MILLINGS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY.
- MAINTAIN A 30' BUFFER BETWEEN THE EXISTING FENCE AND THE STOCKPILE.
- MAINTAIN A MINIMUM 20' BUFFER BETWEEN THE EXISTING GAS MAIN AND THE STOCKPILE.
- THE MAXIMUM ALLOWABLE STOCKPILE HEIGHT IS 10' ABOVE EXISTING GROUND SURFACE.
- THE MAXIMUM ALLOWABLE SIDE SLOPE OF STOCKPILES IS 2H:1V.
- REMOVED PCC SHALL BE RUBBLIZED TO A MAXIMUM 8" DIA. PRIOR TO STOCKPILING.
- SILT FENCE TO BE INSTALLED AROUND STOCKPILE AREA PRIOR TO STORING MATERIALS.
- TEMPORARY SEEDING SHALL BE PROVIDED ON STOCKPILED SOIL.

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Date: Thursday, April 29, 2021 10:38:52 AM



LEGEND

EXISTING	PROPOSED	
ST	ST	STORM SEWER
UD	UD	UNDERDRAIN
INLET	INLET	INLET
MANHOLE	MANHOLE	MANHOLE
UNDERDRAIN CLEANOUT	UNDERDRAIN CLEANOUT	UNDERDRAIN CLEANOUT
UNDERDRAIN COLLECTION STRUCTURE	UNDERDRAIN COLLECTION STRUCTURE	UNDERDRAIN COLLECTION STRUCTURE
UNDERDRAIN DIRECT CONNECTION	UNDERDRAIN DIRECT CONNECTION	UNDERDRAIN DIRECT CONNECTION
UNDERDRAIN NODE	UNDERDRAIN NODE	UNDERDRAIN NODE
PIPE REMOVAL	PIPE REMOVAL	PIPE REMOVAL



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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

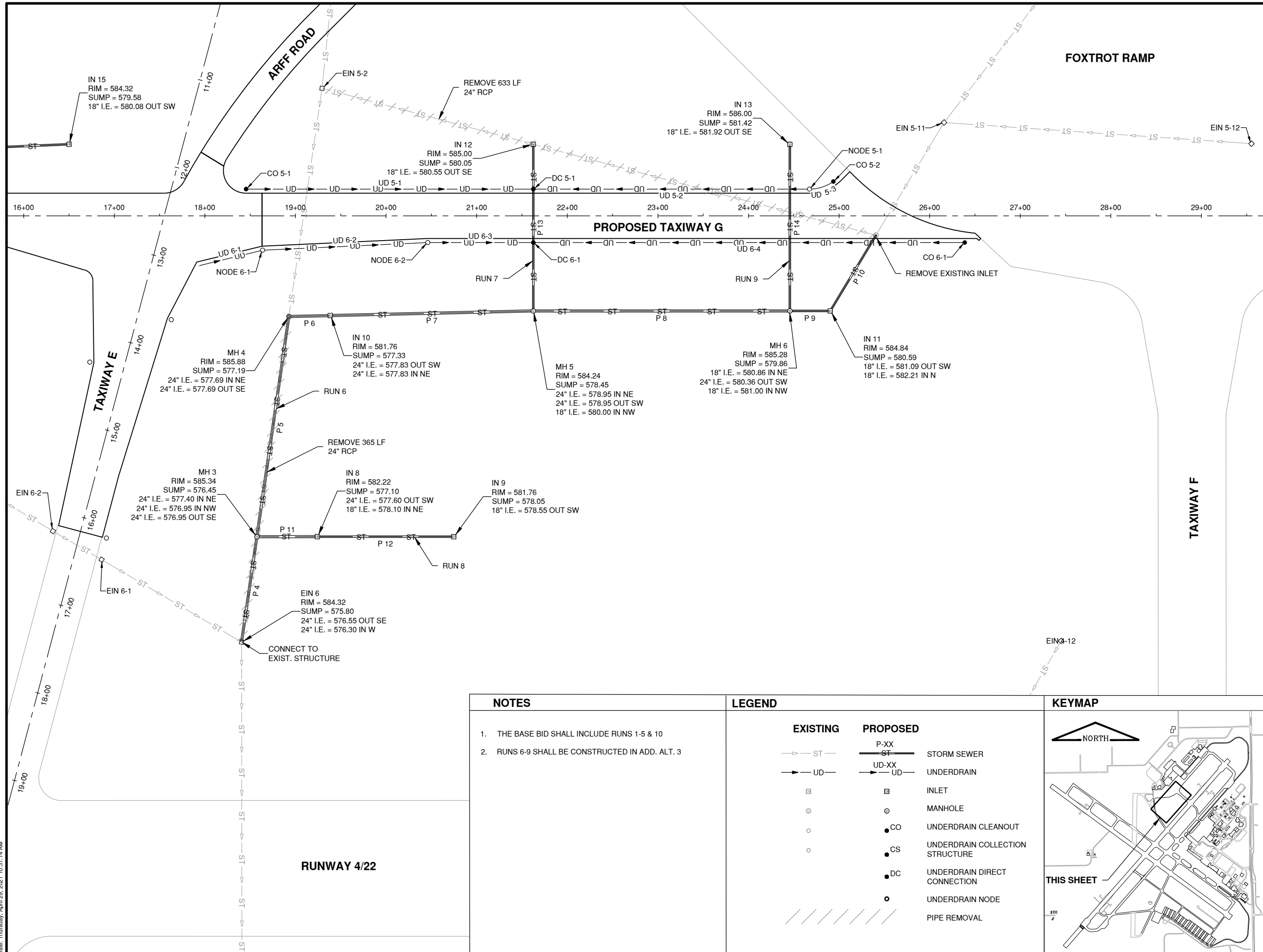
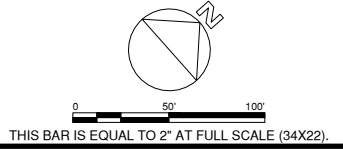
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA022**
IL PROJ. NO: SPI-4908
CMT PROJECT NO: 180035-05
CAD DWG FILE: 18003505-PH2-CU100.DWG
DESIGNED BY: HWI
DRAWN BY: DPA
CHECKED BY: CHK
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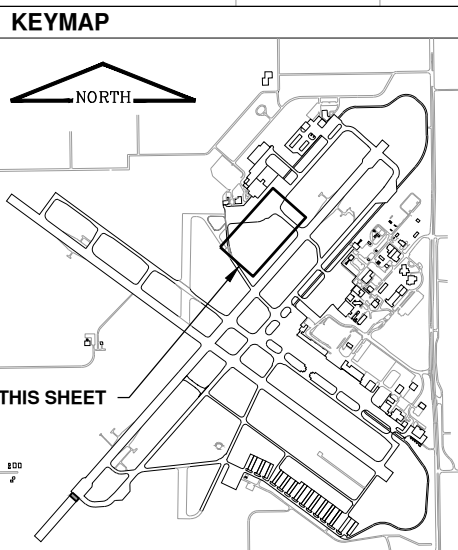
STORM SEWER AND UNDERDRAIN PLAN
TTY G WEST

CU101
SHEET **44** OF 109



NOTES
1. THE BASE BID SHALL INCLUDE RUNS 1-5 & 10
2. RUNS 6-9 SHALL BE CONSTRUCTED IN ADD. ALT. 3

LEGEND		
EXISTING	PROPOSED	
— ST —	— P-XX — ST —	STORM SEWER
— UD —	— UD-XX —	UNDERDRAIN
□	□	INLET
○	○	MANHOLE
○	● CO	UNDERDRAIN CLEANOUT
○	● CS	UNDERDRAIN COLLECTION STRUCTURE
	● DC	UNDERDRAIN DIRECT CONNECTION
	○	UNDERDRAIN NODE
		PIPE REMOVAL



APRIL 30, 2021
 RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA022
IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CU100.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
APPROVED BY: APR	
COPYRIGHT:	

SHEET TITLE
STORM SEWER AND UNDERDRAIN PLAN
TXY G EAST

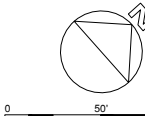
CU102
 SHEET 45 OF 109

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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



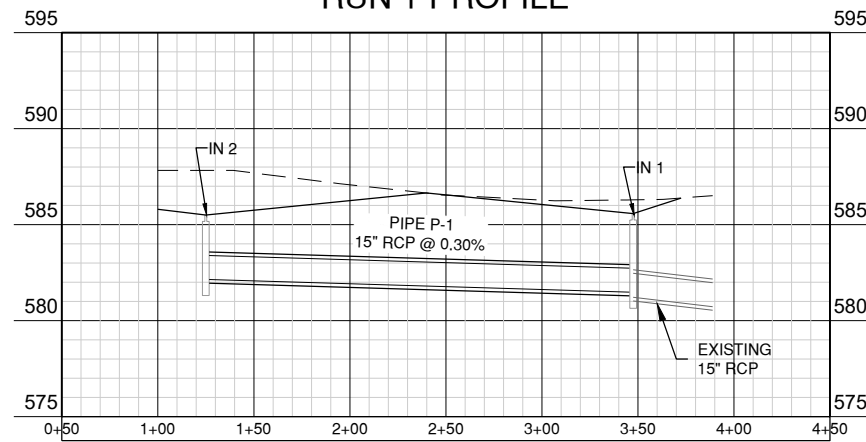
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
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IL PROJ. NO: SPI-4908		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH2-CU200.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: CHK		
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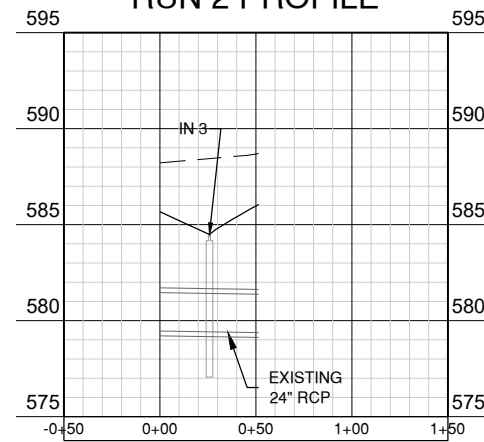
SHEET TITLE
STORM SEWER
PROFILES 1 (BASE
BID)

CU201
SHEET 46 OF 109

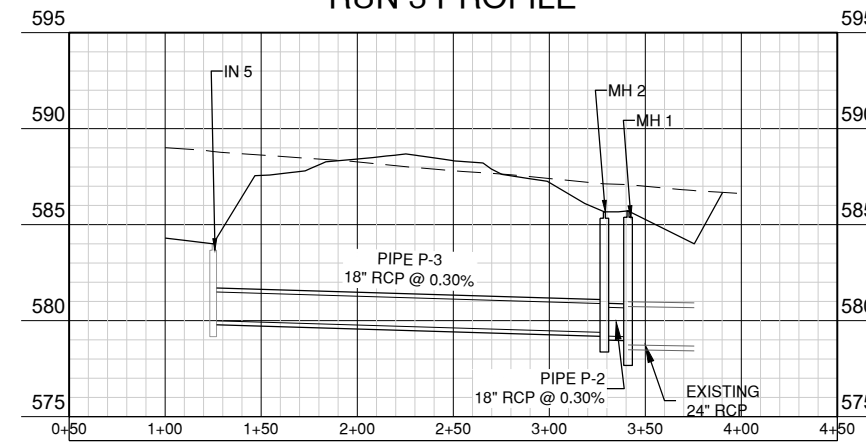
RUN 1 PROFILE



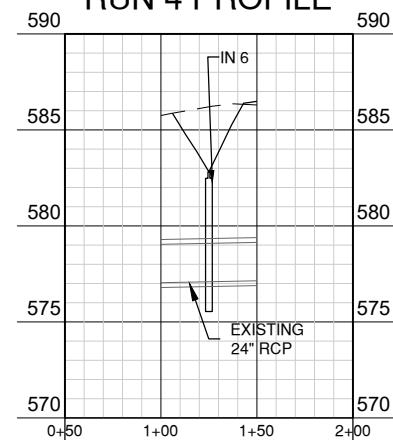
RUN 2 PROFILE



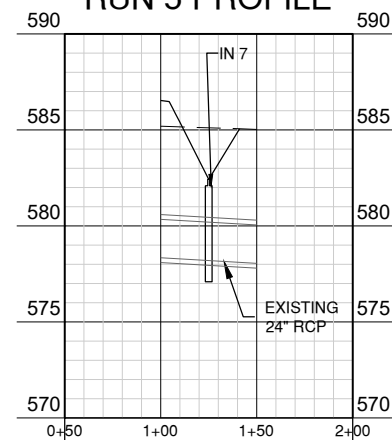
RUN 3 PROFILE



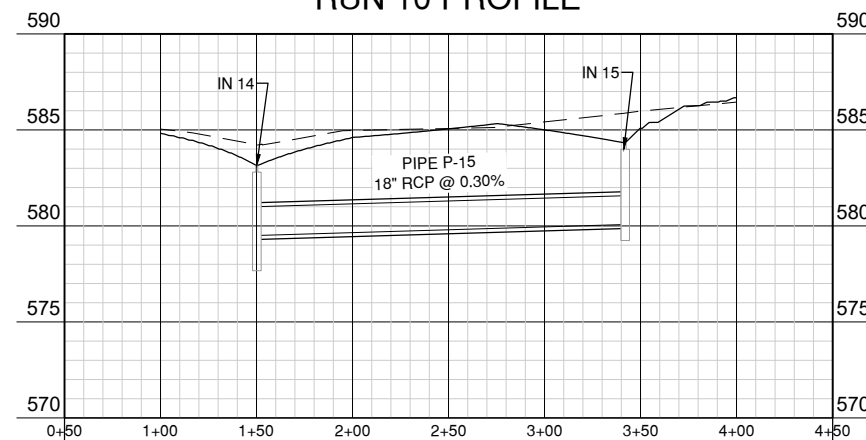
RUN 4 PROFILE



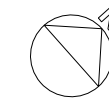
RUN 5 PROFILE



RUN 10 PROFILE

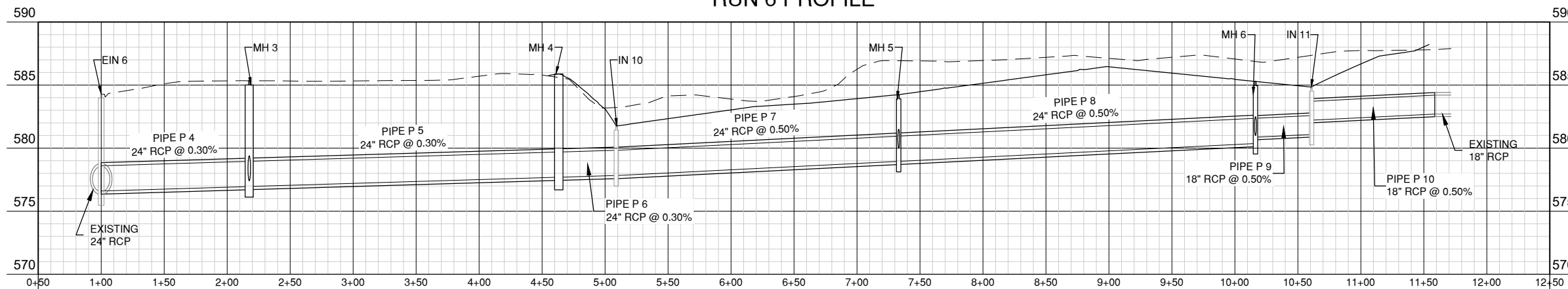


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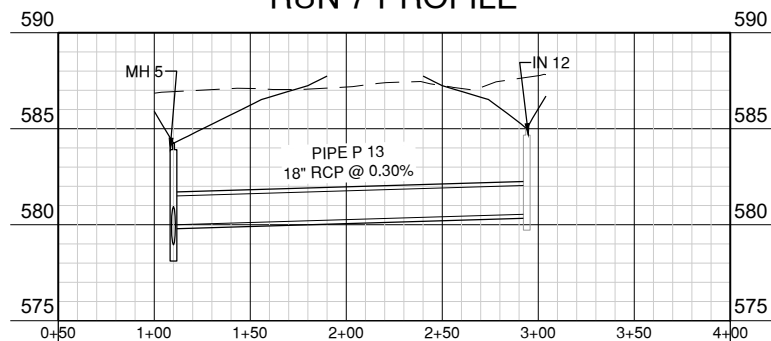


0 50' 100'
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

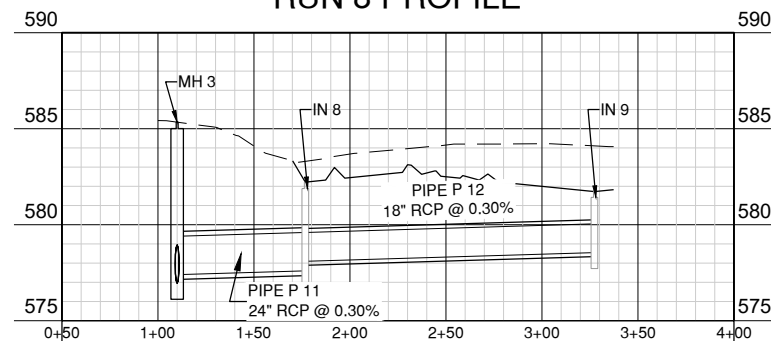
RUN 6 PROFILE



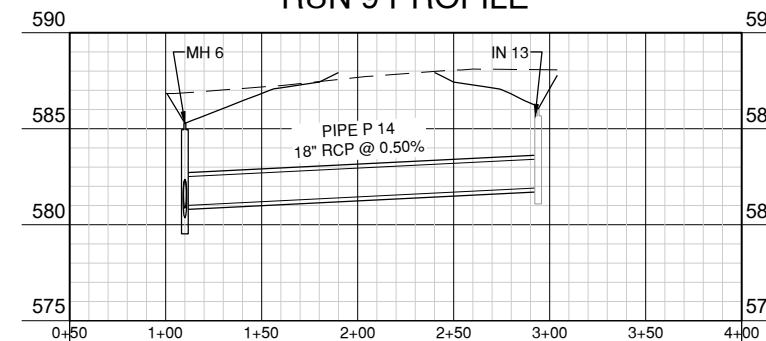
RUN 7 PROFILE



RUN 8 PROFILE



RUN 9 PROFILE



APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

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SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA022
IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CU200.DWG	
DESIGNED BY: HWI	
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SHEET TITLE
STORM SEWER PROFILES 2 (ALT. 3)

CU202
SHEET 47 OF 109



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CONSULTANTS

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RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

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SPRINGFIELD AIRPORT AUTHORITY ABRAHAM LINCOLN CAPITAL AIRPORT SPRINGFIELD, IL

MARK DATE DESCRIPTION

Table with project details: AIP PROJ. NO: 3-17-0096-XX CA022, IL PROJ. NO: SPI-4908, CMT PROJECT NO: 180035-05, CAD DWG FILE: 18003505-PH2-CU400.DWG, DESIGNED BY: HWI, DRAWN BY: DPA, CHECKED BY: CHK, APPROVED BY: APR, COPYRIGHT:

SHEET TITLE

STORM SEWER & UNDERDRAIN SCHEDULES (BASE

BID) CU401

SHEET 48 OF 109

STRUCTURE TABLE G WEST STORM SEWER. Table with 3 columns: STRUCTURE NAME & TYPE, STRUCTURE DETAILS, HORIZONTAL CONTROL. Includes entries for IN 1 through IN 15 and MH 1 through MH 2.

STRUCTURE TABLE G WEST UNDERDRAIN. Table with 3 columns: STRUCTURE NAME & TYPE, STRUCTURE DETAILS, HORIZONTAL CONTROL. Includes entries for CO 1-1 through CO 3-1, DC 1-1 through DC 2-3, and DC 3-1.

STRUCTURE TABLE G WEST UNDERDRAIN. Table with 3 columns: STRUCTURE NAME & TYPE, STRUCTURE DETAILS, HORIZONTAL CONTROL. Includes entries for DC 4-1, NODE 1-1 through NODE 3-2.

PIPE SCHEDULE G WEST UNDERDRAIN. Table with 8 columns: PIPE, UPSTREAM STRUCTURE, DOWNSTREAM STRUCTURE, INVERT, INVERT, LENGTH (FT), SLOPE, TYPE. Lists various pipe segments from UD 1-1 to UD 4-2.

PIPE SCHEDULE G WEST STORM SEWER. Table with 8 columns: PIPE, UPSTREAM STRUCTURE, DOWNSTREAM STRUCTURE, INVERT, INVERT, LENGTH (FT), SLOPE, TYPE. Lists pipe segments P-1 through P-15.

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

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 SPRINGFIELD, IL

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 AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CU400.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: CHK

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SHEET TITLE

STORM SEWER & UNDERDRAIN SCHEDULES (ALT. 3)

 CU402
 SHEET 49 OF 109

**STRUCTURE TABLE
G EAST STORM SEWER**

STRUCTURE NAME & TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL
EIN-5 CONNECT TO EXISTING PIPE	RIM = 585.41 SUMP = 582.70 P 10 INV OUT = 582.70	TAXIWAY G STA 25+40.80
EIN-6 CONNECT TO EXIST. STRUCTURE	RIM = 579.85 SUMP = 576.60 P 4 INV IN = 576.60	??? STA ???
IN 8 NEW 36" INLET	RIM = 582.22 SUMP = 577.10 P 12 INV IN = 578.10 P 11 INV OUT = 577.60	TAXIWAY E STA 15+54.18
IN 9 NEW 36" INLET	RIM = 581.76 SUMP = 578.05 P 12 INV OUT = 578.55	TAXIWAY E STA 15+15.59
IN 10 NEW 36" INLET	RIM = 581.76 SUMP = 577.33 P 7 INV IN = 577.83 P 6 INV OUT = 577.83	TAXIWAY E STA 13+14.56
IN 11 NEW 36" INLET	RIM = 584.84 SUMP = 580.59 P 10 INV IN = 582.21 P 9 INV OUT = 581.09	TAXIWAY G STA 24+90.31
IN 12 NEW 36" INLET	RIM = 585.00 SUMP = 580.05 P 13 INV OUT = 580.55	TAXIWAY G STA 21+62.50
IN 13 NEW 36" INLET	RIM = 586.00 SUMP = 581.42 P 14 INV OUT = 581.92	TAXIWAY G STA 24+45.67
MH 3 NEW 72" DIA MANHOLE	RIM = 585.34 SUMP = 576.45 P 11 INV IN = 577.40 P 5 INV IN = 576.95 P 4 INV OUT = 576.95	TAXIWAY E STA 15+71.31
MH 4 NEW 72" DIA MANHOLE	RIM = 585.88 SUMP = 577.19 P 6 INV IN = 577.69 P 5 INV OUT = 577.69	TAXIWAY G STA 18+92.67
MH 5 NEW 72" DIA MANHOLE	RIM = 584.24 SUMP = 578.45 P 8 INV IN = 578.95 P 13 INV IN = 580.00 P 7 INV OUT = 578.95	TAXIWAY G STA 21+62.50
MH 6 NEW 72" DIA MANHOLE	RIM = 585.28 SUMP = 579.86 P 9 INV IN = 580.86 P 14 INV IN = 581.00 P 8 INV OUT = 580.36	TAXIWAY G STA 24+45.67

**PIPE SCHEDULE
G EAST STORM SEWER**

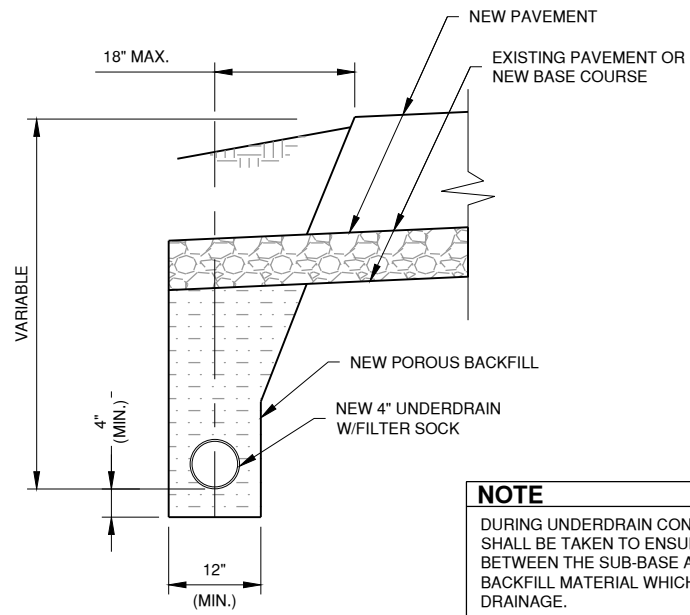
PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE
P 4	MH 3	EIN-6	576.95	576.60	118	0.30%	RCP - 24"
P 5	MH 4	MH 3	577.69	576.95	246	0.30%	RCP - 24"
P 6	IN 10	MH 4	577.83	577.69	46	0.30%	RCP - 24"
P 7	MH 5	IN 10	578.95	577.83	224	0.50%	RCP - 24"
P 8	MH 6	MH 5	580.36	578.95	283	0.50%	RCP - 24"
P 9	IN 11	MH 6	581.09	580.86	45	0.50%	RCP - 18"
P 10	EIN-5	IN 11	582.70	582.21	98	0.50%	RCP - 18"
P 11	MH 3	IN 8	577.40	577.60	67	0.30%	RCP - 24"
P 12	IN 9	IN 8	578.55	578.10	151	0.30%	RCP - 18"
P 13	IN 12	MH 5	580.55	580.00	184	0.30%	RCP - 18"
P 14	IN 13	MH 6	581.92	581.00	184	0.50%	RCP - 18"

**STRUCTURE TABLE
G EAST UNDERDRAIN**

STRUCTURE NAME & TYPE	STRUCTURE DETAILS	HORIZONTAL CONTROL
CO 5-1 UNDERDRAIN CLEANOUT TYPE 1	RIM = 588.55 SUMP = 585.00 UD 5-1 INV OUT = 585.00	TAXIWAY G STA 18+45.42
CO 5-2 UNDERDRAIN CLEANOUT TYPE 1	RIM = 587.69 SUMP = 584.22 UD 5-3 INV OUT = 584.22	TAXIWAY G STA 24+93.68
CO 6-1 UNDERDRAIN CLEANOUT TYPE 1	RIM = 588.33 SUMP = 584.83 UD 6-4 INV OUT = 584.83	TAXIWAY G STA 26+38.67
DC 5-1 DIRECT CONNECTION	RIM = 584.26 SUMP = ??? UD 5-1 INV IN = 583.90 UD 5-2 INV IN = 583.90	TAXIWAY G STA 21+62.50
DC 6-1 DIRECT CONNECTION	RIM = 585.02 SUMP = 583.67 UD 6-3 INV IN = 583.67 UD 6-4 INV IN = 583.67	TAXIWAY G STA 21+62.50
NODE 5-1	RIM = 585.53 SUMP = 584.18 UD 5-3 INV IN = 584.18 UD 5-2 INV OUT = 584.18	TAXIWAY G STA 24+67.38
NODE 6-1	RIM = 585.62 SUMP = 584.27 UD 6-1 INV IN = 584.27 UD 6-2 INV OUT = 584.27	TAXIWAY G STA 18+63.66
NODE 6-2	RIM = 585.24 SUMP = 583.89 UD 6-2 INV IN = 583.89 UD 6-3 INV OUT = 583.89	TAXIWAY G STA 20+45.90

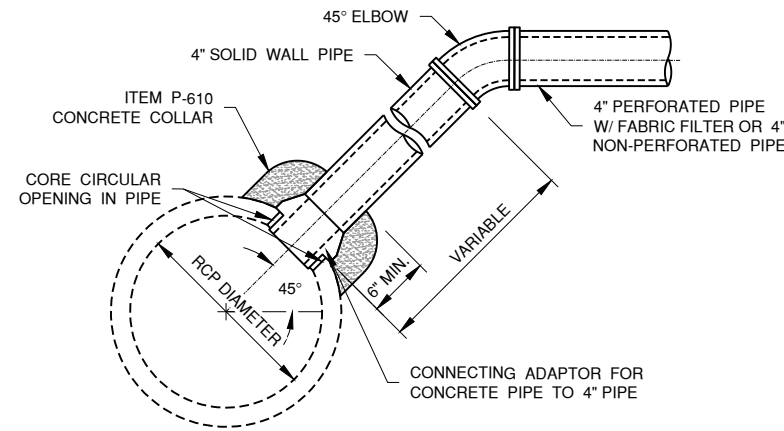
**PIPE SCHEDULE
G EAST UNDERDRAIN**

PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	INVERT	INVERT	LENGTH (FT)	SLOPE	TYPE
UD 5-1	CO 5-1	DC 5-1	585.00	583.90	317	0.35%	PERFORATED PVC - 4"
UD 5-2	NODE 5-1	DC 5-1	584.18	583.90	305	0.09%	PERFORATED PVC - 4"
UD 5-3	CO 5-2	NODE 5-1	584.22	584.18	28	0.13%	PERFORATED PVC - 4"
UD 6-1		NODE 6-1	584.44	584.27	72	0.24%	PERFORATED - 4"
UD 6-2	NODE 6-1	NODE 6-2	584.27	583.89	182	0.21%	PERFORATED - 4"
UD 6-3	NODE 6-2	DC 6-1	583.89	583.67	117	0.19%	PERFORATED - 4"
UD 6-4	CO 6-1	DC 6-1	584.83	583.67	476	0.24%	PERFORATED - 4"



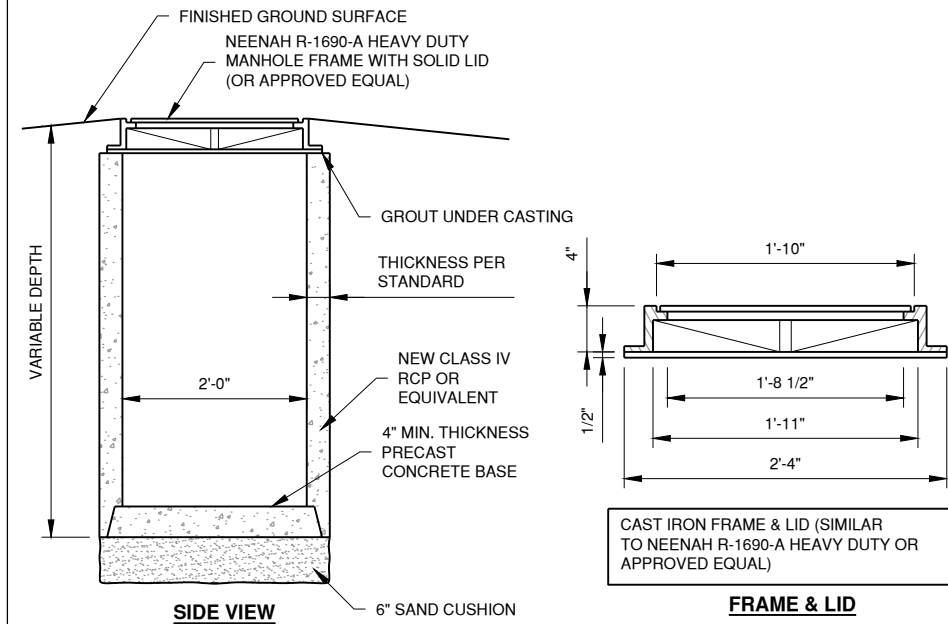
NOTE
DURING UNDERDRAIN CONSTRUCTION, CARE SHALL BE TAKEN TO ENSURE GOOD DRAINAGE BETWEEN THE SUB-BASE AND THE POROUS BACKFILL MATERIAL WHICH WILL AFFECT DRAINAGE.

1 UNDERDRAIN PAVEMENT EDGE
N.T.S.

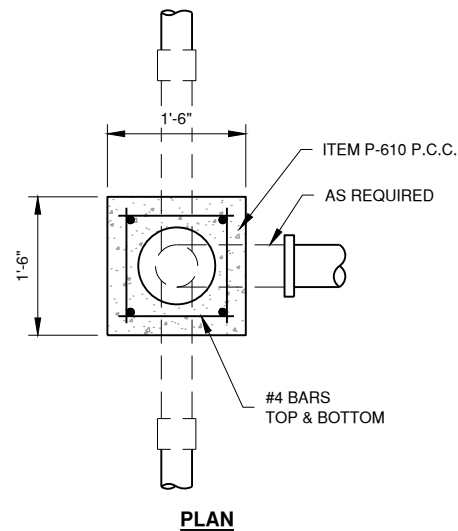
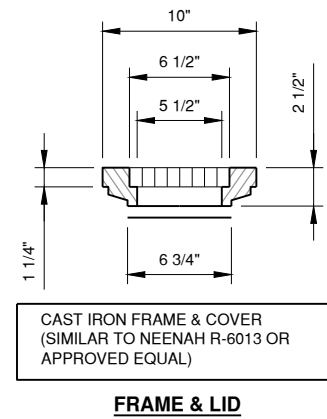


NOTE
ANGLE MEASURED FROM HORIZONTAL

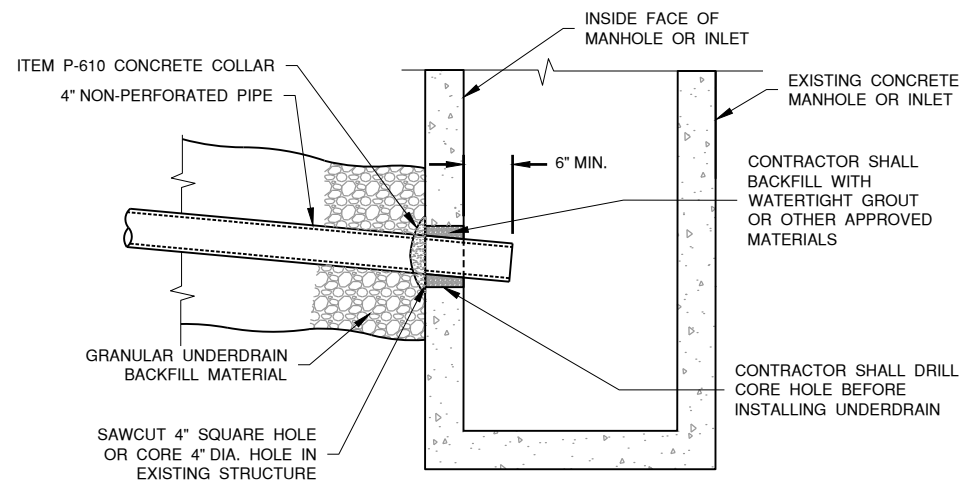
2 UNDERDRAIN DIRECT CONNECTION
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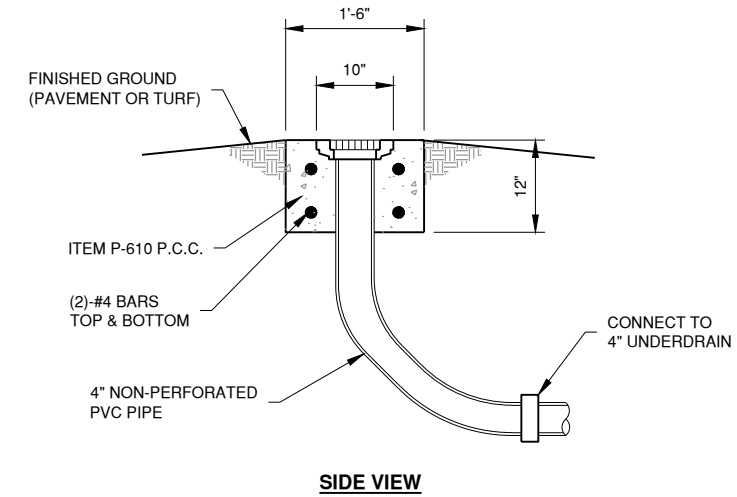
3 UNDERDRAIN COLLECTION STRUCTURE
N.T.S.



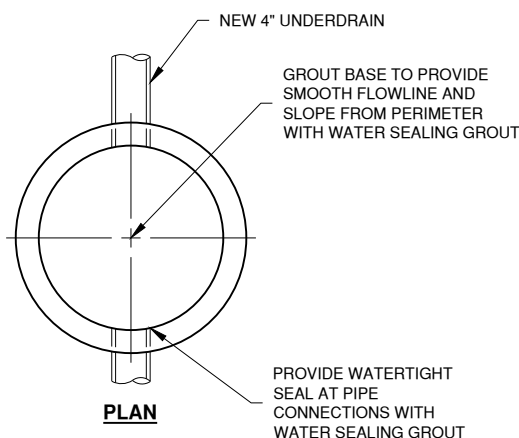
5 UNDERDRAIN CLEAN-OUT
N.T.S.



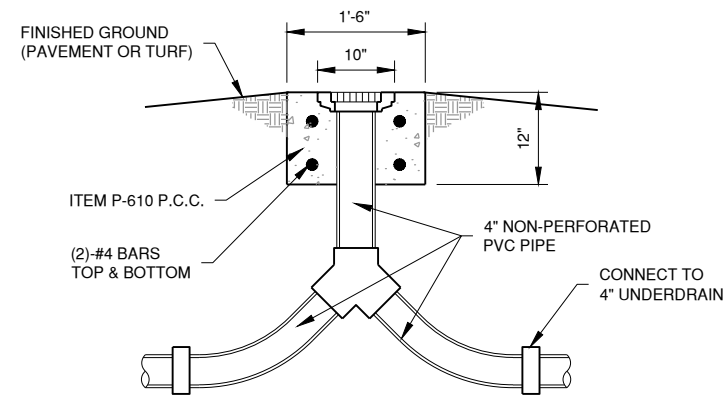
4 UNDERDRAIN DIRECT CONNECTION TO STRUCTURE
N.T.S.



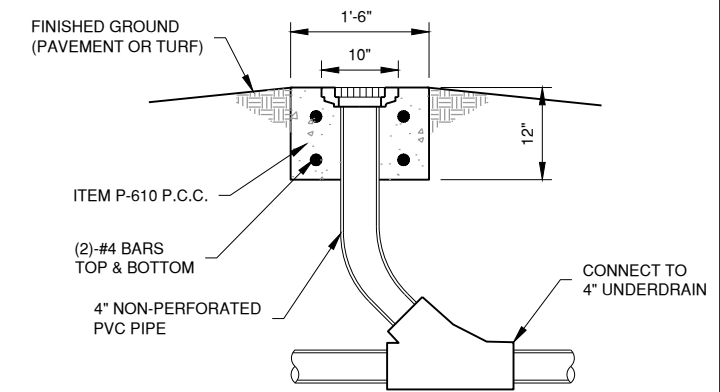
6 UNDERDRAIN CLEAN-OUT TYPE 1
N.T.S.



PLAN
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.

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



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ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

SHEET TITLE
UNDERDRAIN DETAILS

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



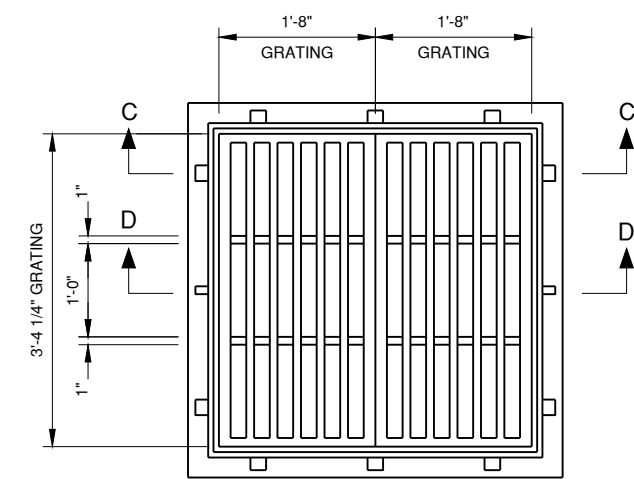
SPRINGFIELD AIRPORT AUTHORITY
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SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

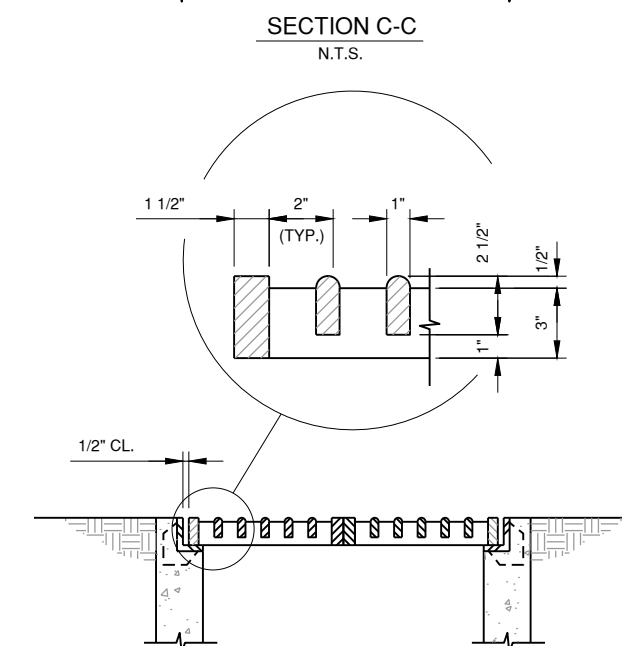
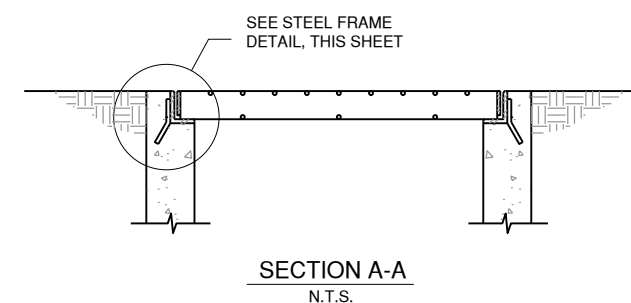
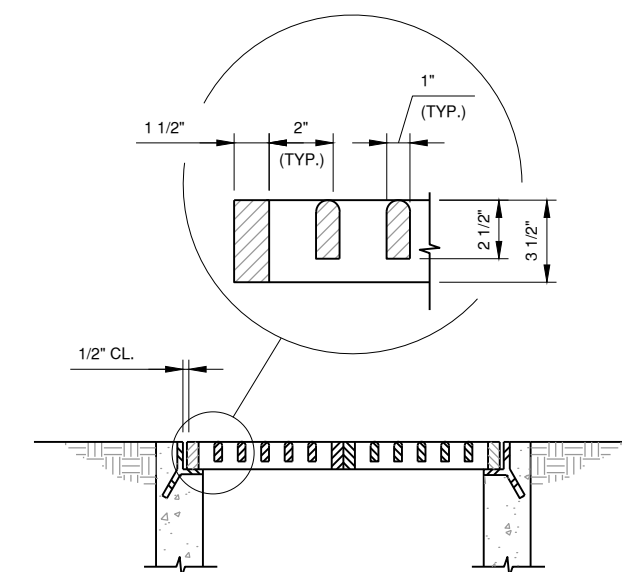
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IL PROJ. NO:	SPI-4908	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH2-CU500.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	CHK	
APPROVED BY:	APR	
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SHEET TITLE
STORM SEWER DETAILS 2

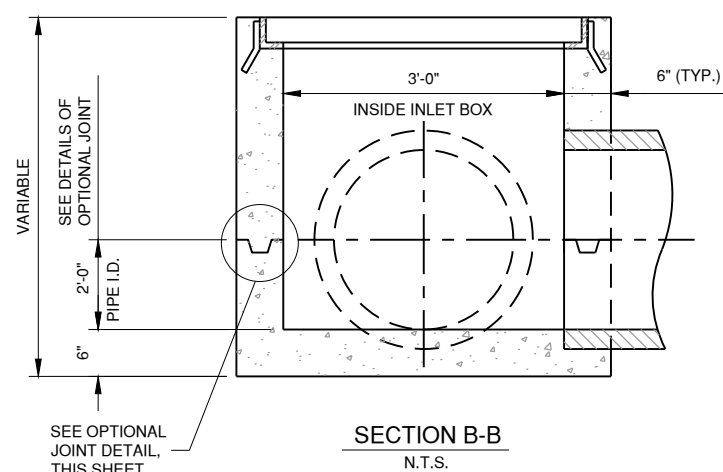
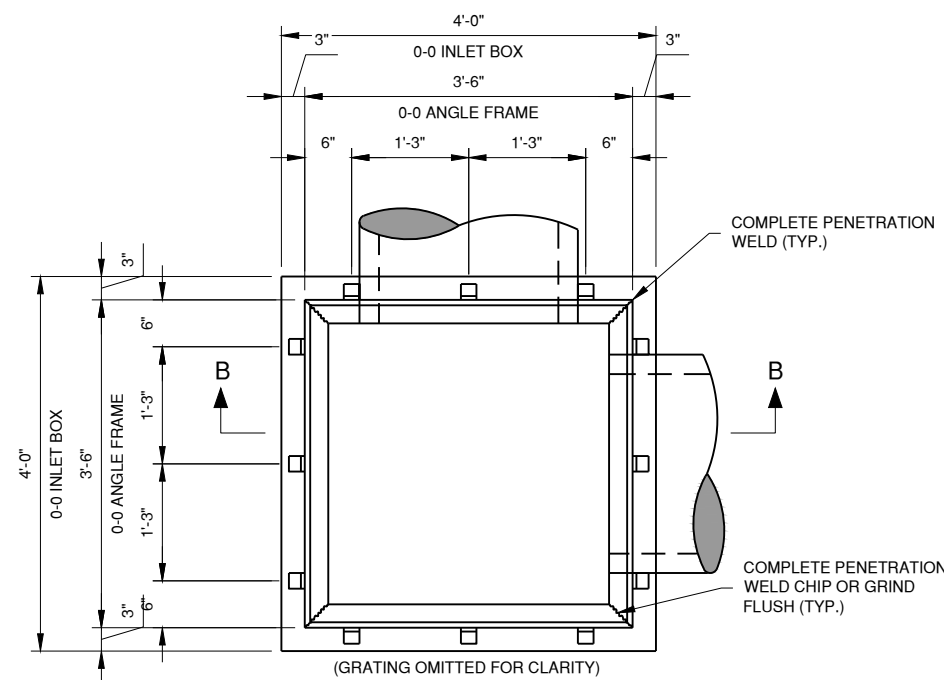
CU502
SHEET 51 OF 109



PLAN
N.T.S.



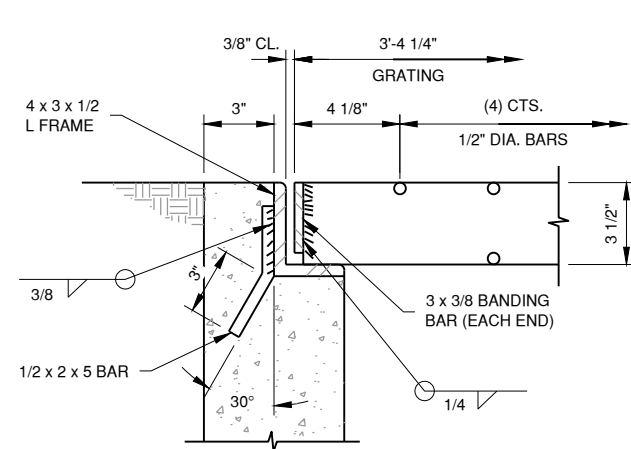
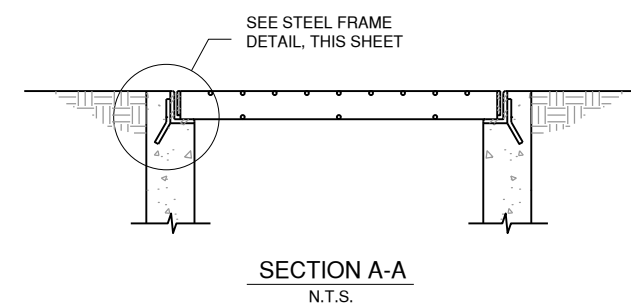
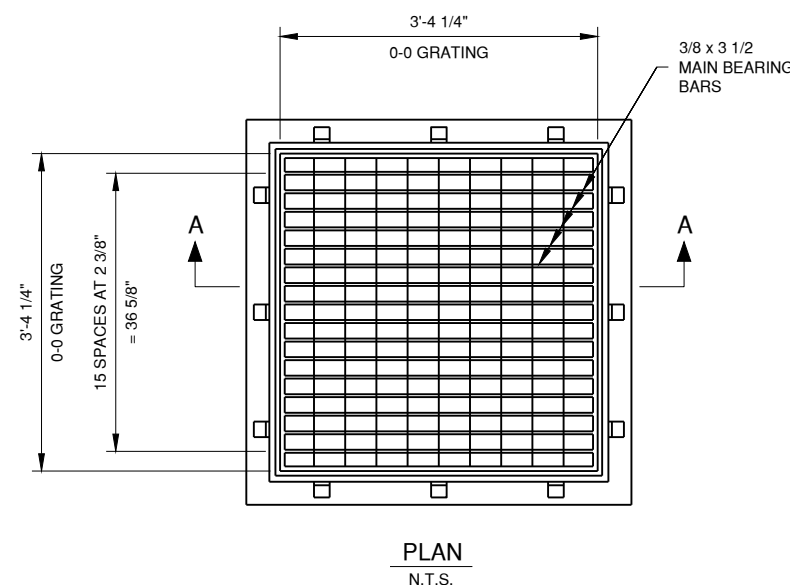
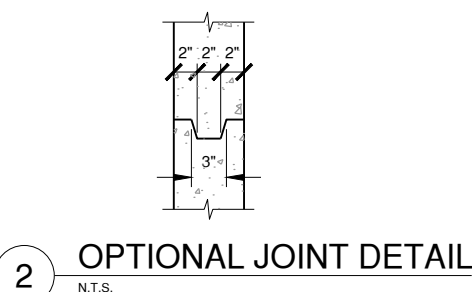
4 CAST GRATE DETAILS
N.T.S.



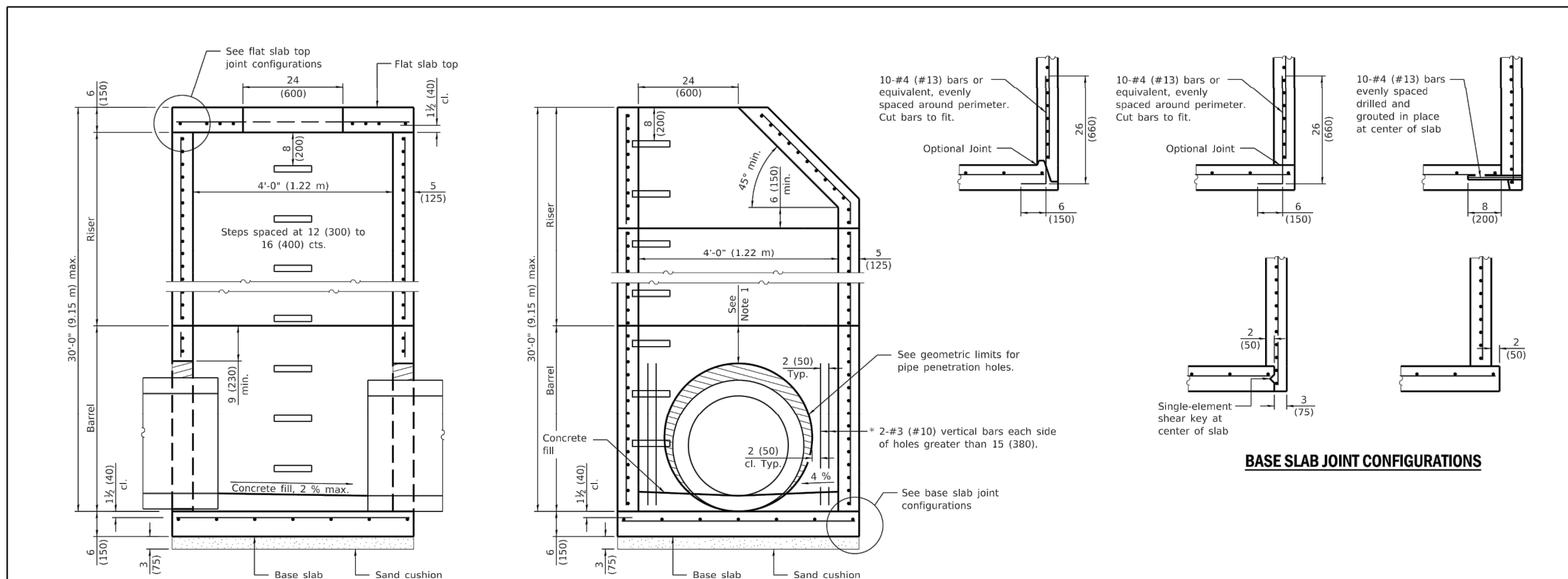
36" INLET NOTE

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

1 36" INLET DETAIL
N.T.S.



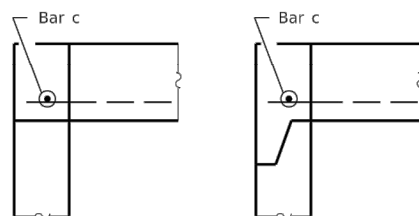
3 STEEL FRAME & GRATE DETAIL
N.T.S.



SECTION PARALLEL TO PIPE
(Without conical top riser)

SECTION PERPENDICULAR TO PIPE
(With conical top riser)

BASE SLAB JOINT CONFIGURATIONS

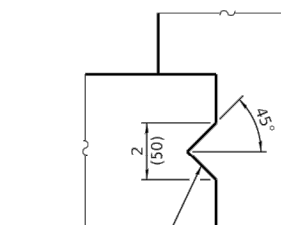


FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)

* As an alternate, the barrel wall reinforcement may be reduced to riser wall reinforcement with #3 (#10) bars placed around the pipe penetration holes as shown. This option may be utilized when the pipe penetration holes are formed as opposed to cored.

GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

- Note 1: A minimum of 9 (230) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 24 (600).
- Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).
- Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.
- Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.
- Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).
- Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.



Single-element shear key at center of slab
SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)

GENERAL NOTES

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

See Standard 602701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

DATE	REVISIONS
1-1-21	Revised Note 1 and lifting hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

PRECAST MANHOLE TYPE A
4' (1.22 m) DIAMETER
(Sheet 1 of 2)

STANDARD 602401-07

Illinois Department of Transportation

PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

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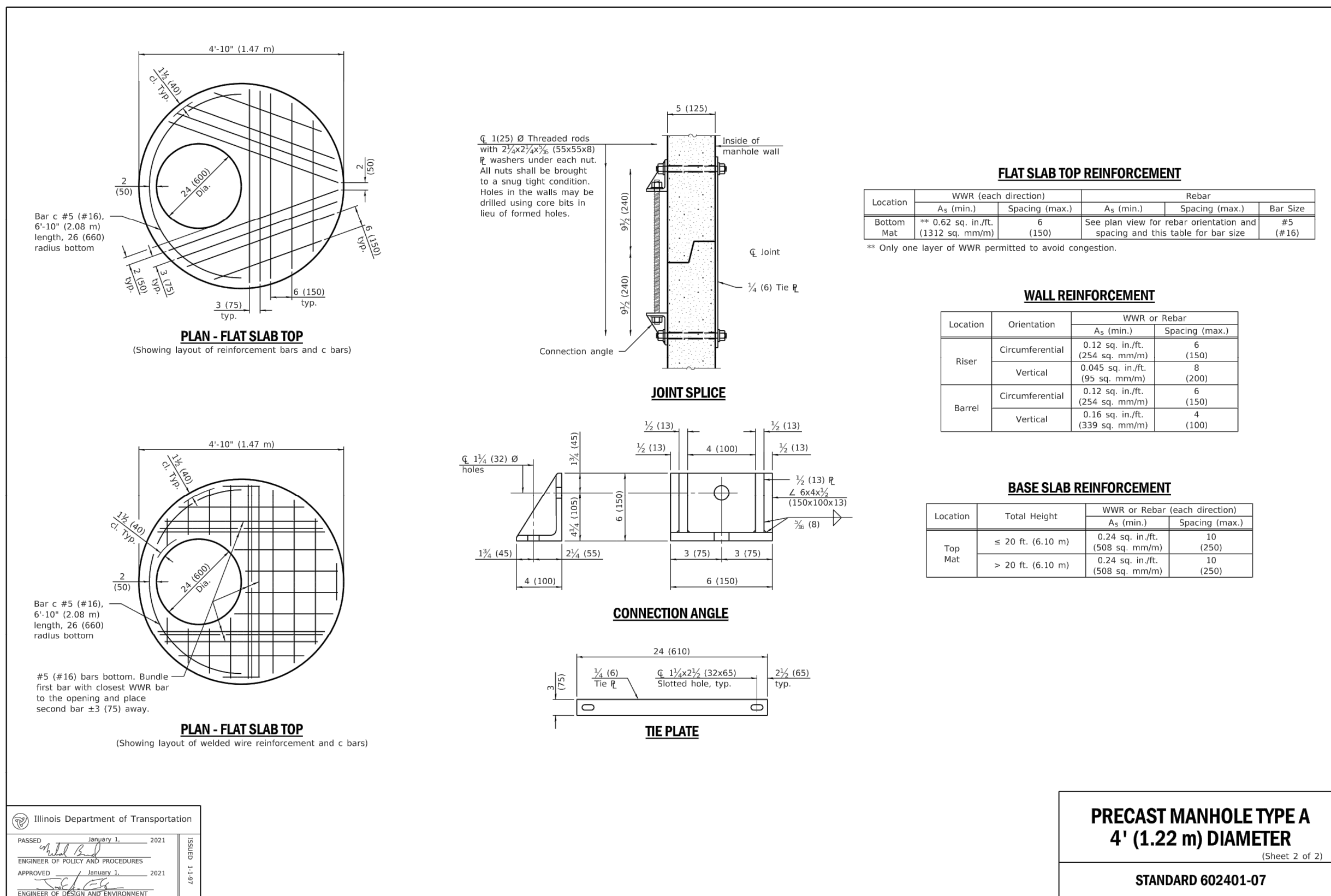


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ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
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STORM SEWER DETAILS 3



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RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

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AIP PROJ. NO: 3-17-0096-XX CA022

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CU500.DWG

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STORM SEWER DETAILS 4

CU504

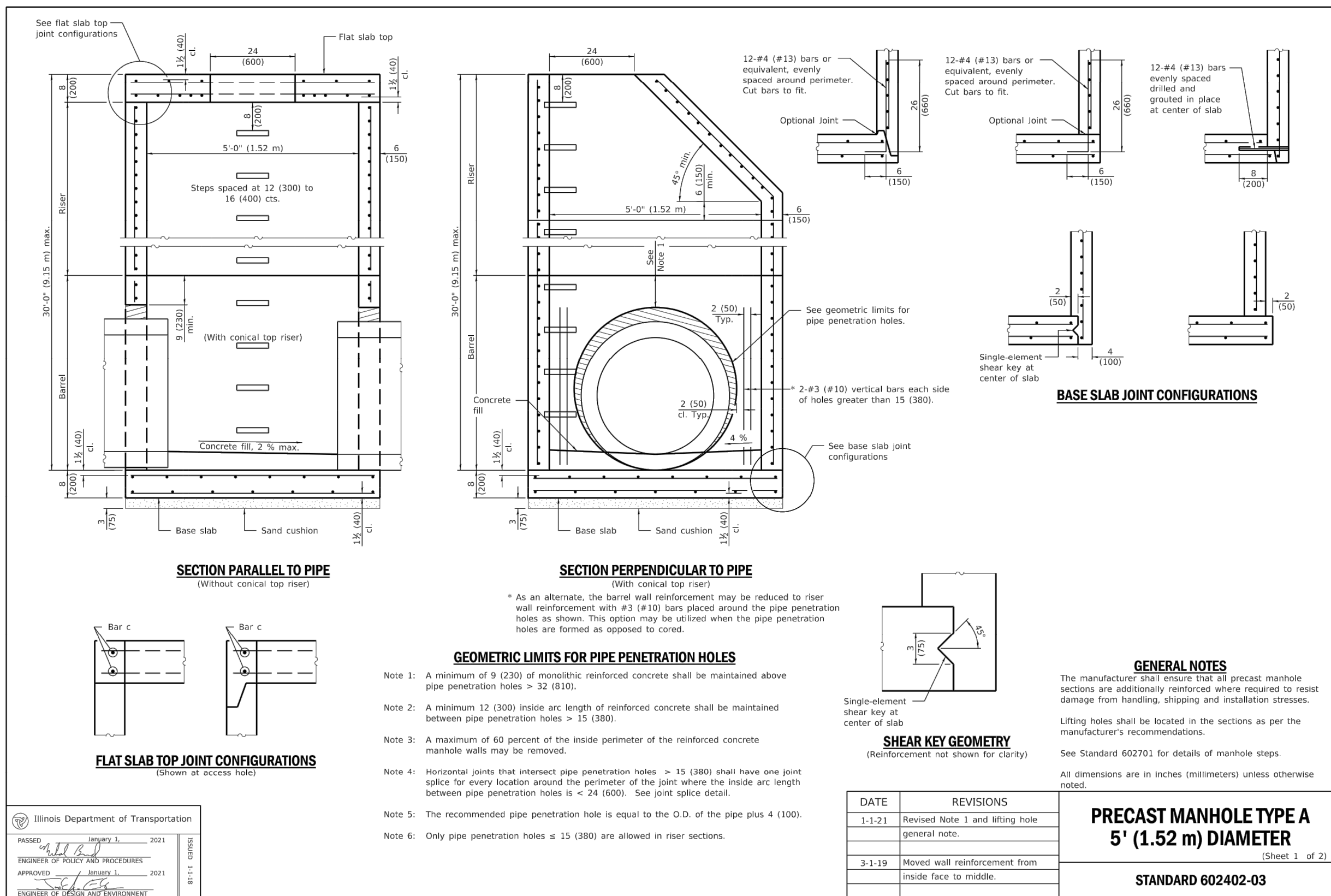
SHEET 53 OF 109

**PRECAST MANHOLE TYPE A
 4' (1.22 m) DIAMETER**

(Sheet 2 of 2)

STANDARD 602401-07

PASSED January 1, 2021
Michael Bond
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2021
SE/EG
 ENGINEER OF DESIGN AND ENVIRONMENT
 ISSUED 1-1-97



APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

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ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908

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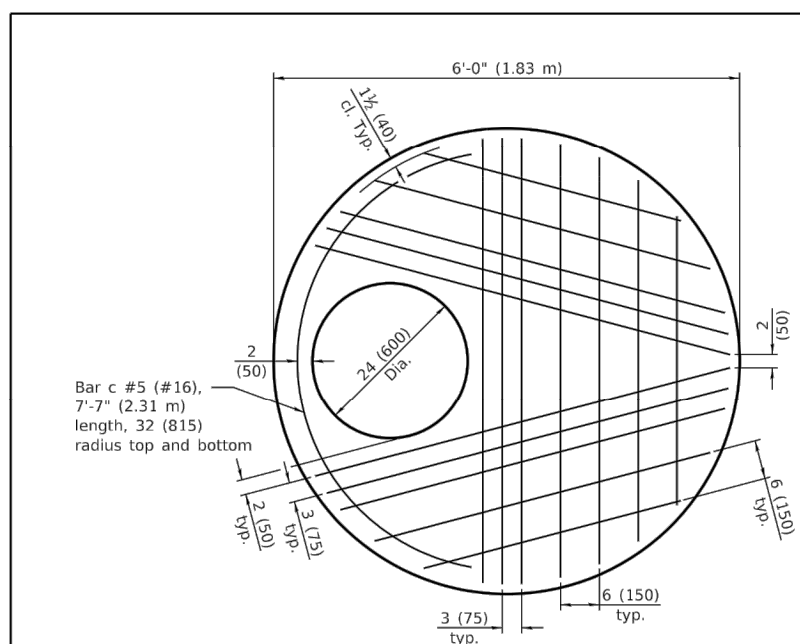
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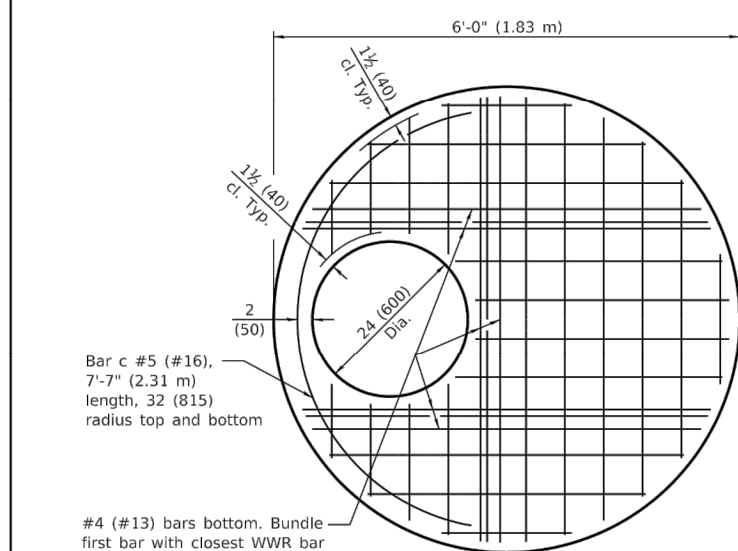
STORM SEWER DETAILS 5

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PLAN - FLAT SLAB TOP

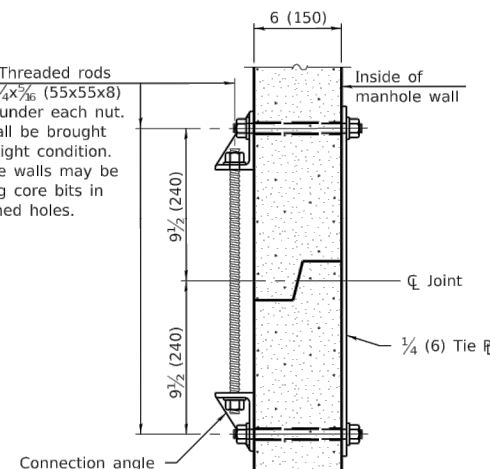
(Showing layout of bottom reinforcement bars and c bars)



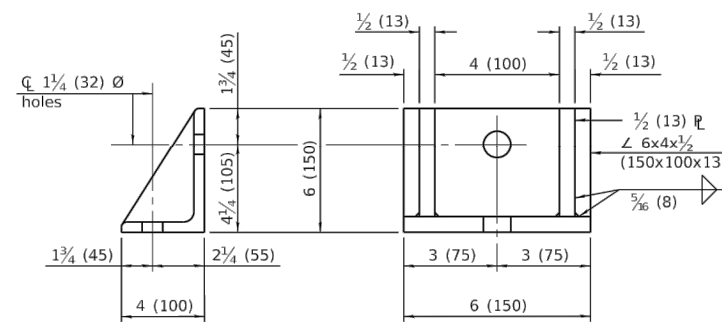
PLAN - FLAT SLAB TOP

(Showing layout of welded wire reinforcement and c bars)

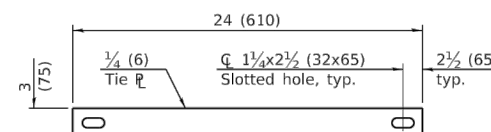
ϕ 1(25) ϕ Threaded rods with $2\frac{1}{4} \times 2\frac{1}{4} \times \frac{5}{8}$ (55x55x8) ϕ washers under each nut. All nuts shall be brought to a snug tight condition. Holes in the walls may be drilled using core bits in lieu of formed holes.



JOINT SPLICE



CONNECTION ANGLE



TIE PLATE

FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)		Rebar (each direction except as noted)		
	A_s (min.)	Spacing (max.)	A_s (min.)	Spacing (max.)	Bar Size
Top Mat	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	#3 or #4 (#10) (#13)
Bottom Mat	** 0.40 sq. in./ft. (847 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size		#4 (#13)

** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

Location	Orientation	WWR or Rebar	
		A_s (min.)	Spacing (max.)
Riser	Circumferential	0.15 sq. in./ft. (318 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)
Barrel	Circumferential	0.15 sq. in./ft. (318 sq. mm/m)	6 (150)
	Vertical	0.16 sq. in./ft. (339 sq. mm/m)	4 (100)

BASE SLAB REINFORCEMENT

Location	Total Height	WWR or Rebar (each direction)	
		A_s (min.)	Spacing (max.)
Top Mat	\leq 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)
	$>$ 20 ft. (6.10 m)	0.28 sq. in./ft. (593 sq. mm/m)	8 (200)
Bottom Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)

Illinois Department of Transportation

PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

PRECAST MANHOLE TYPE A
5' (1.52 m) DIAMETER
(Sheet 2 of 2)

STANDARD 602402-03

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CU500.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

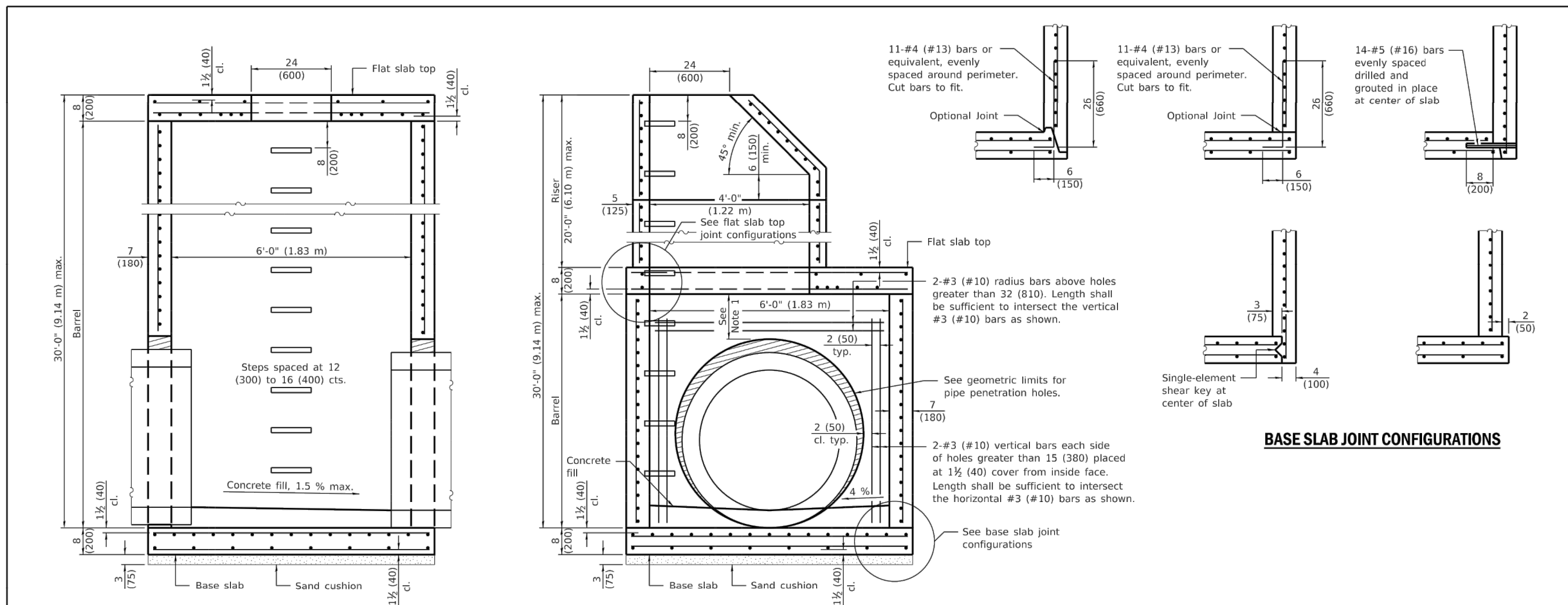
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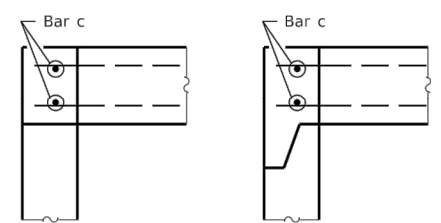
SHEET TITLE
STORM SEWER DETAILS 6

CU506
SHEET 55 OF 109



SECTION PARALLEL TO PIPE
(Without conical top riser)

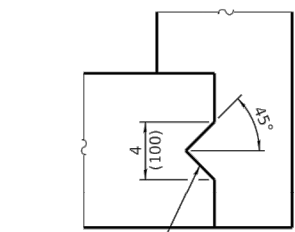
SECTION PERPENDICULAR TO PIPE
(With conical top riser)



FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)

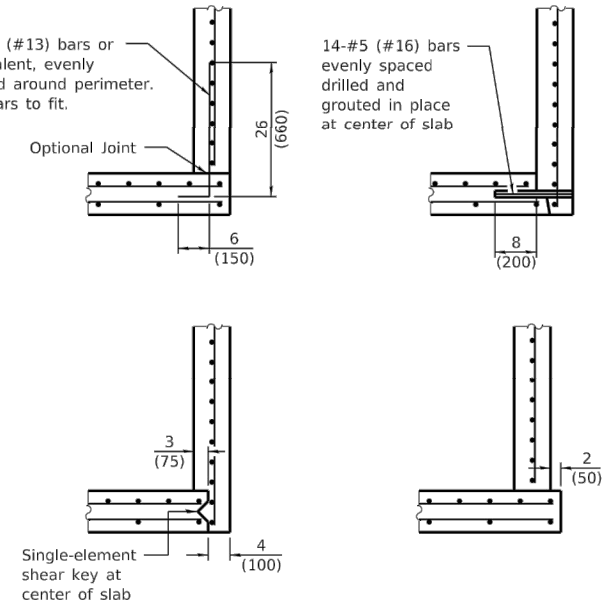
GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

- Note 1: A minimum of 9 (230) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 32 (810).
- Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).
- Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.
- Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.
- Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).
- Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.



SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)

BASE SLAB JOINT CONFIGURATIONS



GENERAL NOTES

- Pipe holes shall be formed to facilitate proper placement of hole reinforcement.
- The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.
- Lifting holes shall be located in the sections as per the manufacturer's recommendations.
- See Standard 602701 for details of manhole steps.
- All dimensions are in inches (millimeters) unless otherwise noted.

DATE	REVISIONS
1-1-21	Revised Note 1, Note 2 and lifting hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

PRECAST MANHOLE TYPE A
6' (1.83 m) DIAMETER
(Sheet 1 of 3)

STANDARD 602406-11

Illinois Department of Transportation

PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

APRIL 30, 2021
RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

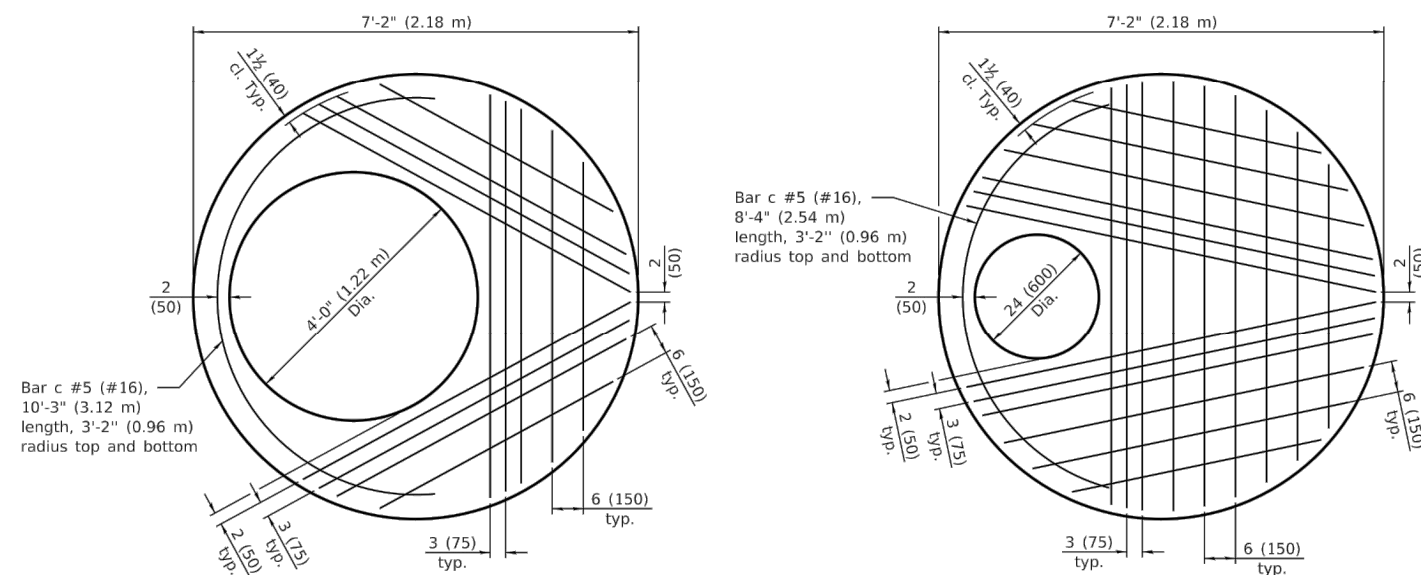
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908
CMT PROJECT NO: 180035-05
CAD DWG FILE: 18003505-PH2-CU500.DWG
DESIGNED BY: HWI
DRAWN BY: DPA
CHECKED BY: CHK
APPROVED BY: APR
COPYRIGHT:

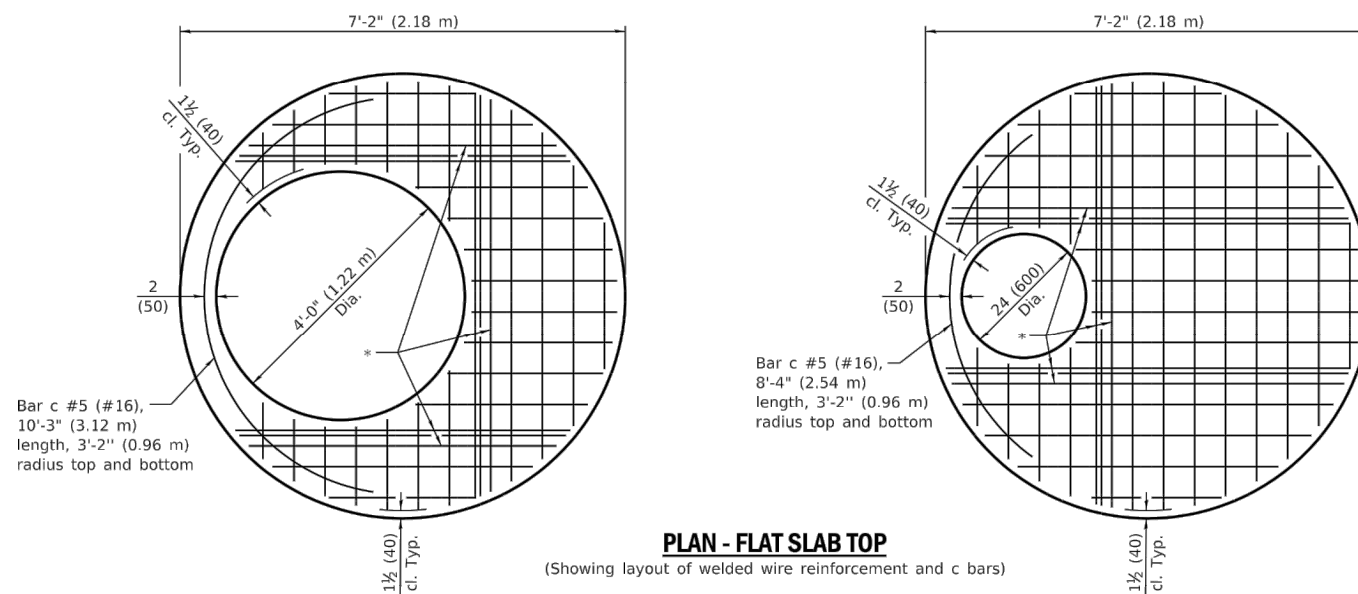
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**STORM SEWER
DETAILS 7**

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PLAN - FLAT SLAB TOP

(Showing layout of bottom reinforcement bars and c bars)



PLAN - FLAT SLAB TOP

(Showing layout of welded wire reinforcement and c bars)

* #5 (#16) bars for risers ≤ 10 ft. (3.05 m) tall or
 #6 (#19) bars for risers > 10 ft. (3.05 m) tall bottom.
 Bundle first bar with closest WWR bar to the opening
 and place second bar ±3 (75) away.

**PRECAST MANHOLE TYPE A
 6' (1.83 m) DIAMETER**

(Sheet 2 of 3)

STANDARD 602406-11

APRIL 30, 2021

**RUNWAY 18/36 REMOVAL AND
 ASSOCIATED IMPROVEMENTS,
 PHASE 2**

OWNER



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

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CU500.DWG

DESIGNED BY: HWI

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CHECKED BY: CHK

APPROVED BY: APR

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SHEET TITLE

**STORM SEWER
 DETAILS 8**

CU508

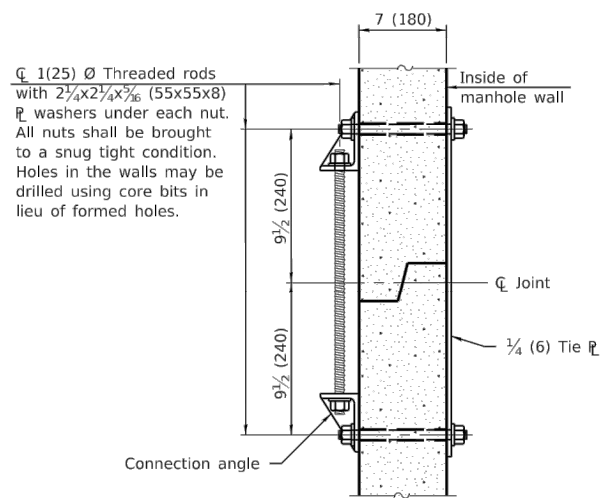
SHEET **57** OF **109**

Illinois Department of Transportation

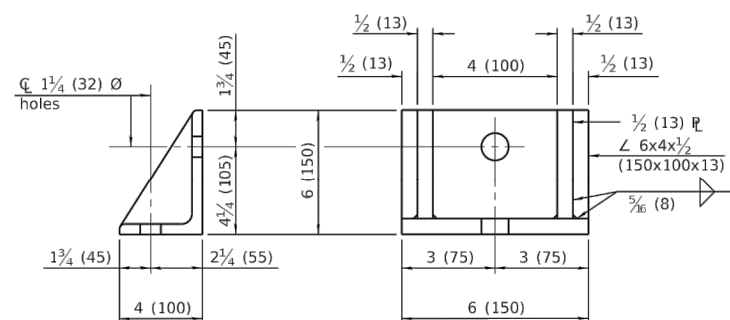
PASSED January 1, 2021
Michael Bond
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
SE/EG
 ENGINEER OF DESIGN AND ENVIRONMENT

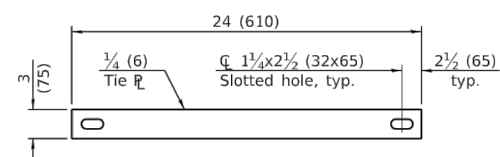
ISSUED 49-1-1 GENISS



JOINT SPLICE



CONNECTION ANGLE



TIE PLATE

FLAT SLAB TOP REINFORCEMENT

Location	Riser Height (RH)	WWR (each direction)		Rebar (each direction except as noted)		
		A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)	Bar Size
Top Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	#3 or #4 (#10) (#13)
Bottom Mat	RH ≤ 10 ft. (3.05 m)	** 0.62 sq. in./ft. (1312 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size		#5 (#16)
	RH > 10 ft. (3.05 m)	** 0.88 sq. in./ft. (1863 sq. mm/m)	6 (150)			

** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

Location	Orientation	WWR or Rebar	
		A _s (min.)	Spacing (max.)
4 ft. (1.22 m) Ø Riser	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)
6 ft. (1.83 m) Ø Barrel	Circumferential	0.18 sq. in./ft. (381 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)

BASE SLAB REINFORCEMENT

Location	Riser Height (RH)/ Total Height (TH)	WWR or Rebar (each direction)	
		A _s (min.)	Spacing (max.)
Top Mat	RH ≤ 10 ft. (3.05 m) & TH ≤ 20 ft. (6.10 m)	0.28 sq. in./ft. (593 sq. mm/m)	6 (150)
	RH > 10 ft. (3.05 m) or TH > 20 ft. (6.10 m)	0.40 sq. in./ft. (847 sq. mm/m)	6 (150)
Bottom Mat	All	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)

**PRECAST MANHOLE TYPE A
6' (1.83 m) DIAMETER**

(Sheet 3 of 3)

STANDARD 602406-11

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CU500.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: CHK

APPROVED BY: APR

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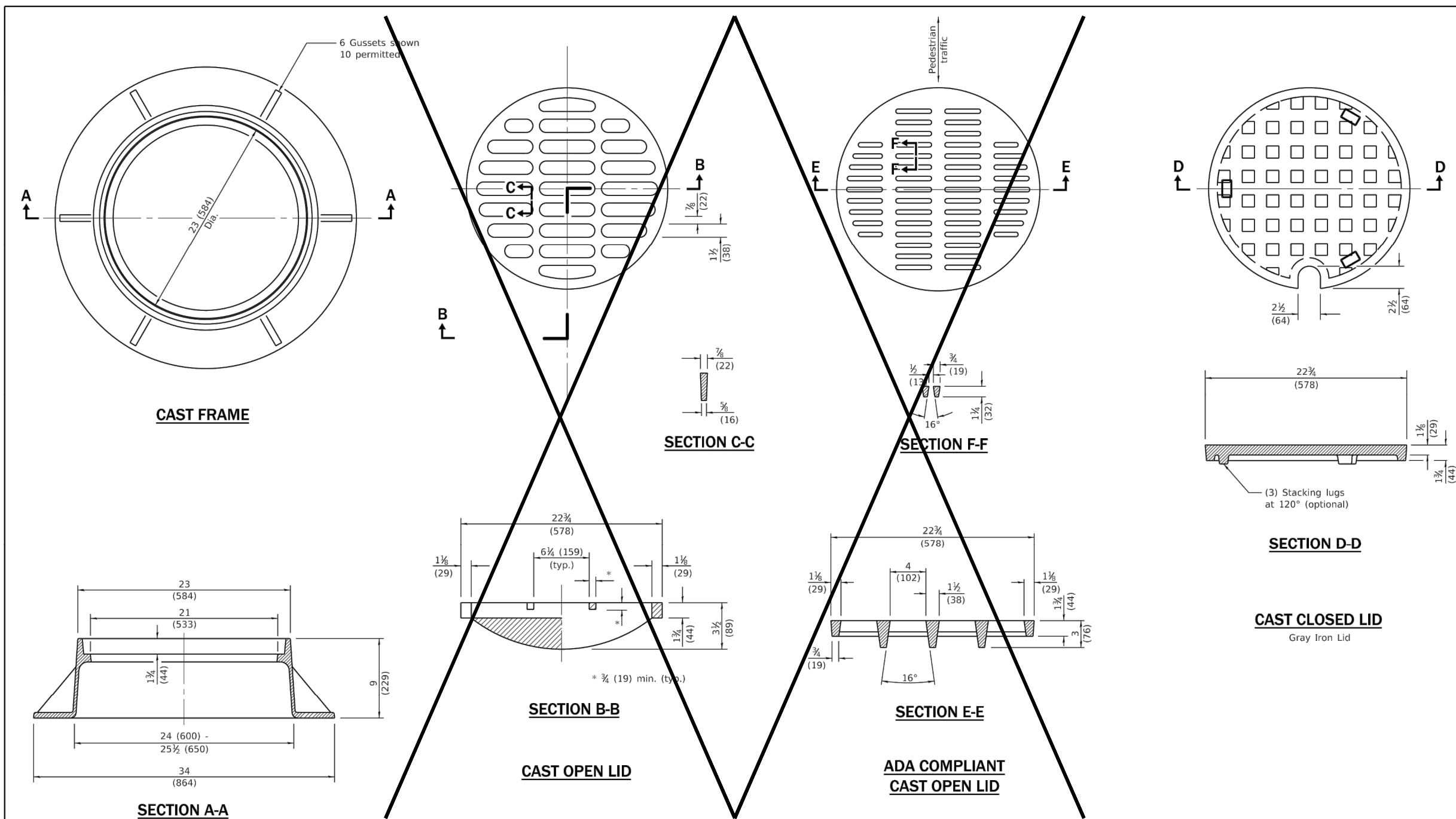
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**STORM SEWER
DETAILS 9**

CU509

SHEET **58** OF **109**

Illinois Department of Transportation	
PASSED ENGINEER OF POLICY AND PROCEDURES APPROVED ENGINEER OF DESIGN AND ENVIRONMENT	January 1, 2021 January 1, 2021
497 497	497



All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2020
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2020
ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-20	Revised dimension in Section B-B of cast open lid.
1-1-15	Revised dimensioning of frame. Added ADA compliant open lid.
1-1-09	Switched units to English (metric).

**FRAME AND LIDS
TYPE 1**

STANDARD 604001-05

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

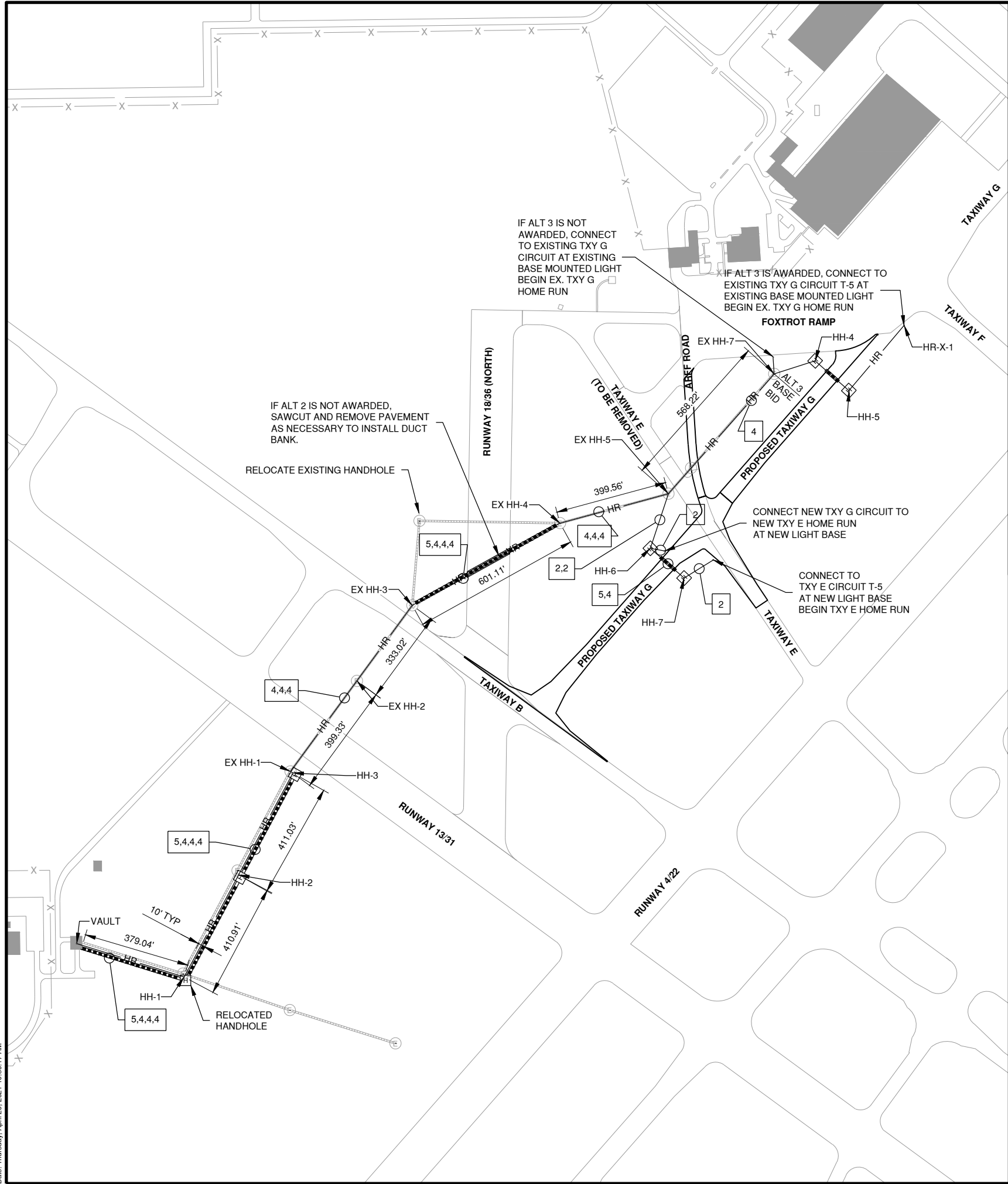
OWNER



SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

**STORM SEWER
DETAILS 10**



- GENERAL NOTES**
- EXISTING LIGHTING CIRCUITS SHALL BE RECONNECTED AT THE END OF EACH WORKING DAY.
 - THE BASE BID SHALL INCLUDE:
 - NEW TXY G HOME RUN: ALL
 - TXY E HOME RUN: ALL
 - EX. TXY G HOME RUN: FROM THE VAULT TO EX HH-7
 - ADD. ALT. 3 SHALL INCLUDE:
 - EX TXY G HOME RUN: FROM EX HH-7 TO END

LEGEND

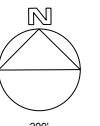
EXISTING	NEW	HANDHOLE
EXISTING	NEW	DUCT BANK
EXISTING	NEW	NEW HOME RUN

- CABLE NOTES**
- | | |
|---|---------------------------|
| 1 | 1/C #8 5KV UG CABLE IN UD |
| 2 | 2/C #8 5KV UG CABLE IN UD |
| 3 | 1/C #8 5KV UG CABLE |
| 4 | 2/C #8 5KV UG CABLE |
| 5 | 4-WAY CONC. ENCASED DUCT |
| 6 | 1-WAY CONC. ENCASED DUCT |
| 7 | DIRECTIONAL BORE |



License No. 184-000613

CONSULTANTS



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

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

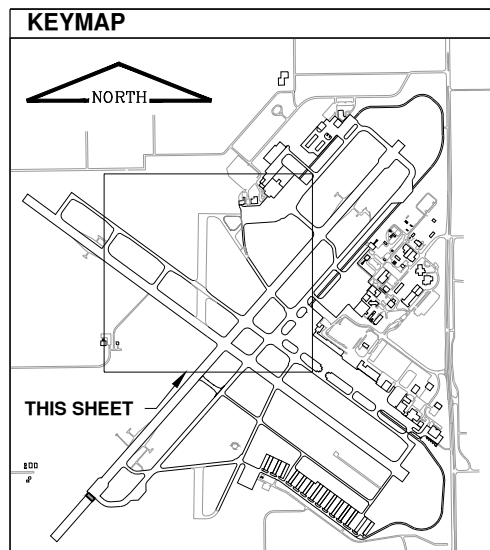


SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

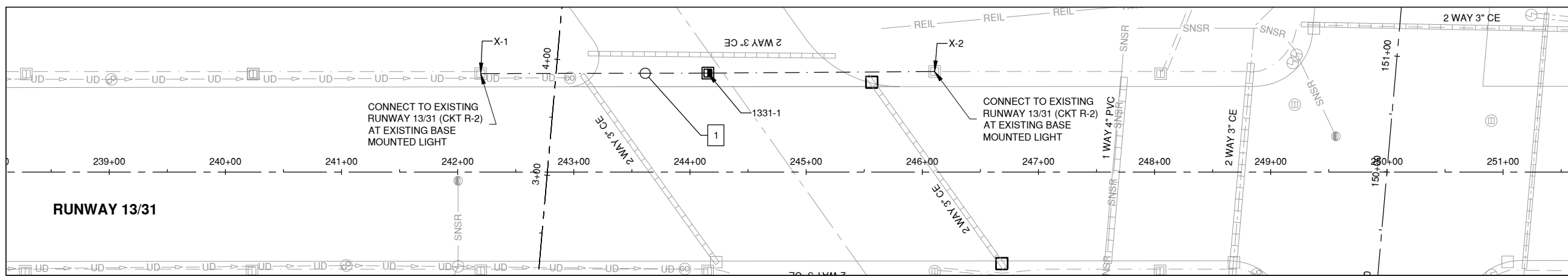
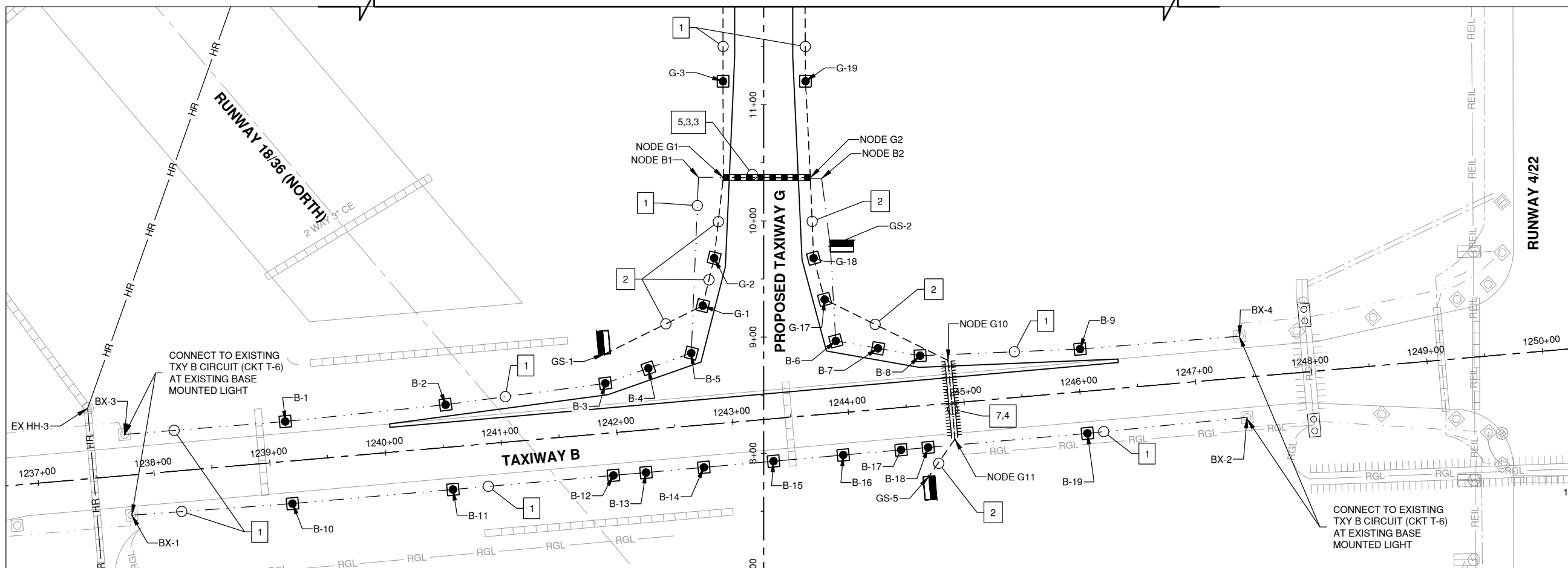
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IL PROJ. NO:	SPI-4908	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH2-EL100-HOME RUN.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	CHK	
APPROVED BY:	APR	
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SHEET TITLE
HOME RUN

EL101
SHEET 60 OF 109



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Date: Thursday, April 29, 2021 10:39:17 AM



CABLE NOTES

- 1 1/C #8 5KV UG CABLE IN UD WITH COUNTERPOISE
- 2 2/C #8 5KV UG CABLE IN UD WITH COUNTERPOISE
- 3 1/C #8 5KV UG CABLE WITH COUNTERPOISE
- 4 2/C #8 5KV UG CABLE WITH COUNTERPOISE
- 5 4-WAY CONC. ENCASED DUCT
- 6 1-WAY CONC. ENCASED DUCT
- 7 DIRECTIONAL BORE

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 RPR PRIOR TO INSTALLING.
3. LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE I.P., P.T., P.C., OR TAPER POINT.
4. SEE SHEET EL101 FOR THE NEW HOME RUNS.
5. EDGE LIGHTS FOR BASE BID INCLUDE THE FOLLOWING:
 - 5.1. TXY G: G-1 THROUGH G-10, G-17 THROUGH G-25
 - 5.2. TXY B: ALL
 - 5.3. TXY E: ALL
 - 5.4. RWY 13/31: ALL
6. THE REMAINING TXY G EDGE LIGHTS WILL BE INSTALLED UNDER ADDITIVE ALTERNATE 3.

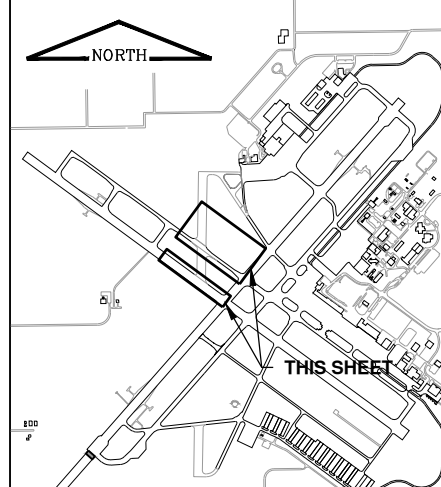
CIRCUIT LEGEND

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 (EX. TXY G)
---	---	T-4 (TXY E)
---	---	T-10 (NEW TXY G)
---	---	HR HOMERUN

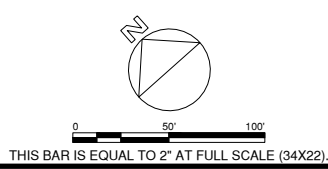
LEGEND

EXISTING	NEW	DESCRIPTION
⊕	⊕	SPLICE CAN
▬	▬	TAXIWAY GUIDANCE SIGN
○	●	TAXIWAY EDGE LIGHT - STAKE MOUNTED
⊙	⊙	TAXIWAY EDGE LIGHT - BASE MOUNTED
⊞	⊞	RUNWAY BASE MOUNTED EDGE LIGHT
⊞	⊞	HANDHOLE
▬	▬	DUCT BANK
⊞	⊞	RUNWAY EDGE LIGHT - FLUSH MOUNTED
⊞	⊞	ELEVATED RETROREFLECTIVE MARKER
⊞	⊞	TAXIWAY EDGE LIGHT - FLUSH MOUNTED
⊞	⊞	TAXIWAY ENDING MARKER
▬	▬	DIRECTIONAL BORE

KEYMAP



License No. 184-000613
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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
AIP PROJ. NO: 3-17-0096-XX		CA022
IL PROJ. NO: SPI-4908		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH2-EL100.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: CHK		
APPROVED BY: APR		
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LIGHTING & SIGNAGE PLAN - TXY G WEST 1

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APRIL 30, 2021

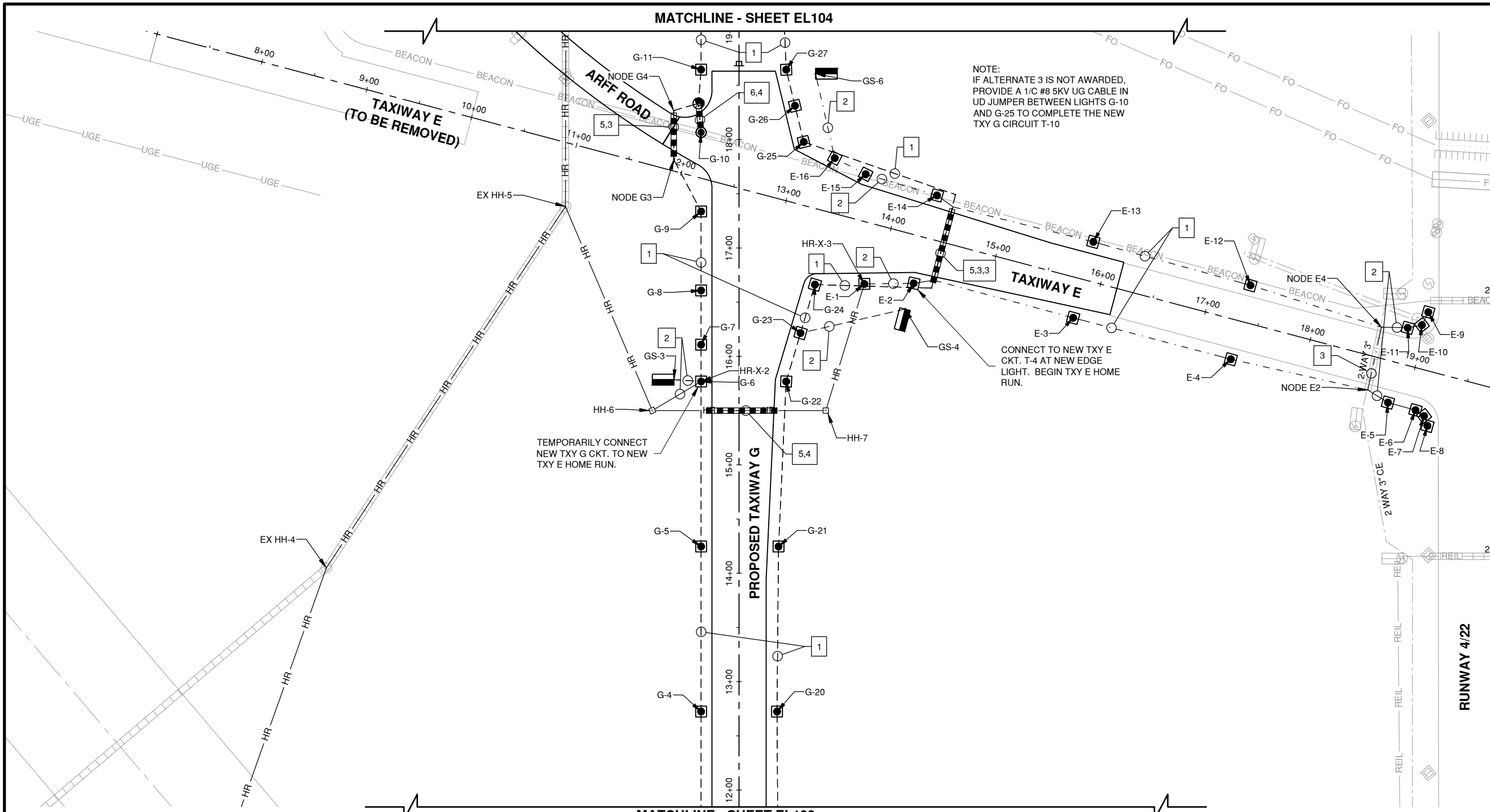
RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER


 SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, IL

MATCHLINE - SHEET EL104

MATCHLINE - SHEET EL102


CABLE NOTES

- | | |
|---|---|
| 1 | 1/C #8 5KV UG CABLE IN UD WITH COUNTERPOISE |
| 2 | 2/C #8 5KV UG CABLE IN UD WITH COUNTERPOISE |
| 3 | 1/C #8 5KV UG CABLE WITH COUNTERPOISE |
| 4 | 2/C #8 5KV UG CABLE WITH COUNTERPOISE |
| 5 | 4-WAY CONC. ENCASED DUCT |
| 6 | 1-WAY CONC. ENCASED DUCT |
| 7 | DIRECTIONAL BORE |

GENERAL NOTES

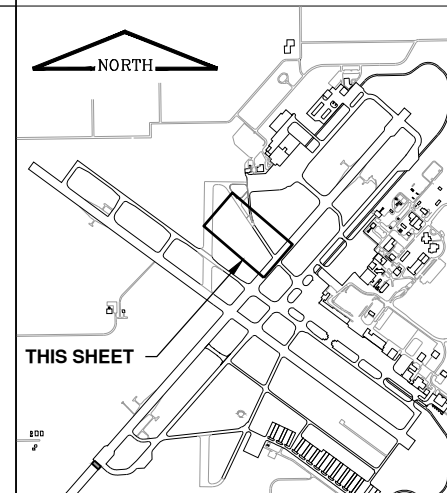
- LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE.
- THE CONTRACTOR SHALL VERIFY LAYOUT OF LIGHTS WITH THE RPR PRIOR TO INSTALLING.
- LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE I.P., P.T., P.C., OR TAPER POINT.
- SEE SHEET EL101 FOR THE NEW HOME RUNS.
- EDGE LIGHTS FOR BASE BID INCLUDE THE FOLLOWING:
 - 5.1. TXY G: G-1 THROUGH G-10, G-17 THROUGH G-25
 - 5.2. TXY B: ALL
 - 5.3. TXY E: ALL
 - 5.4. RWY 13/31: ALL
- THE REMAINING TXY G EDGE LIGHTS WILL BE INSTALLED UNDER ADDITIVE ALTERNATE 3.

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 (EX. TXY G)
—	—	T-4 (TXY E)
—	—	T-10 (NEW TXY G)
—	—	HR HOMERUN

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
		RUNWAY EDGE LIGHT - FLUSH MOUNTED
		ELEVATED RETROREFLECTIVE MARKER
		TAXIWAY EDGE LIGHT - FLUSH MOUNTED
		TAXIWAY ENDING MARKER
		DIRECTIONAL BORE

KEYMAP


MARK	DATE	DESCRIPTION

 AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-EL100.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

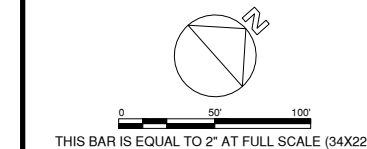
CHECKED BY: CHK

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LIGHTING & SIGNAGE PLAN - TXY G WEST 2

 SHEET **EL103**
 62 OF 109



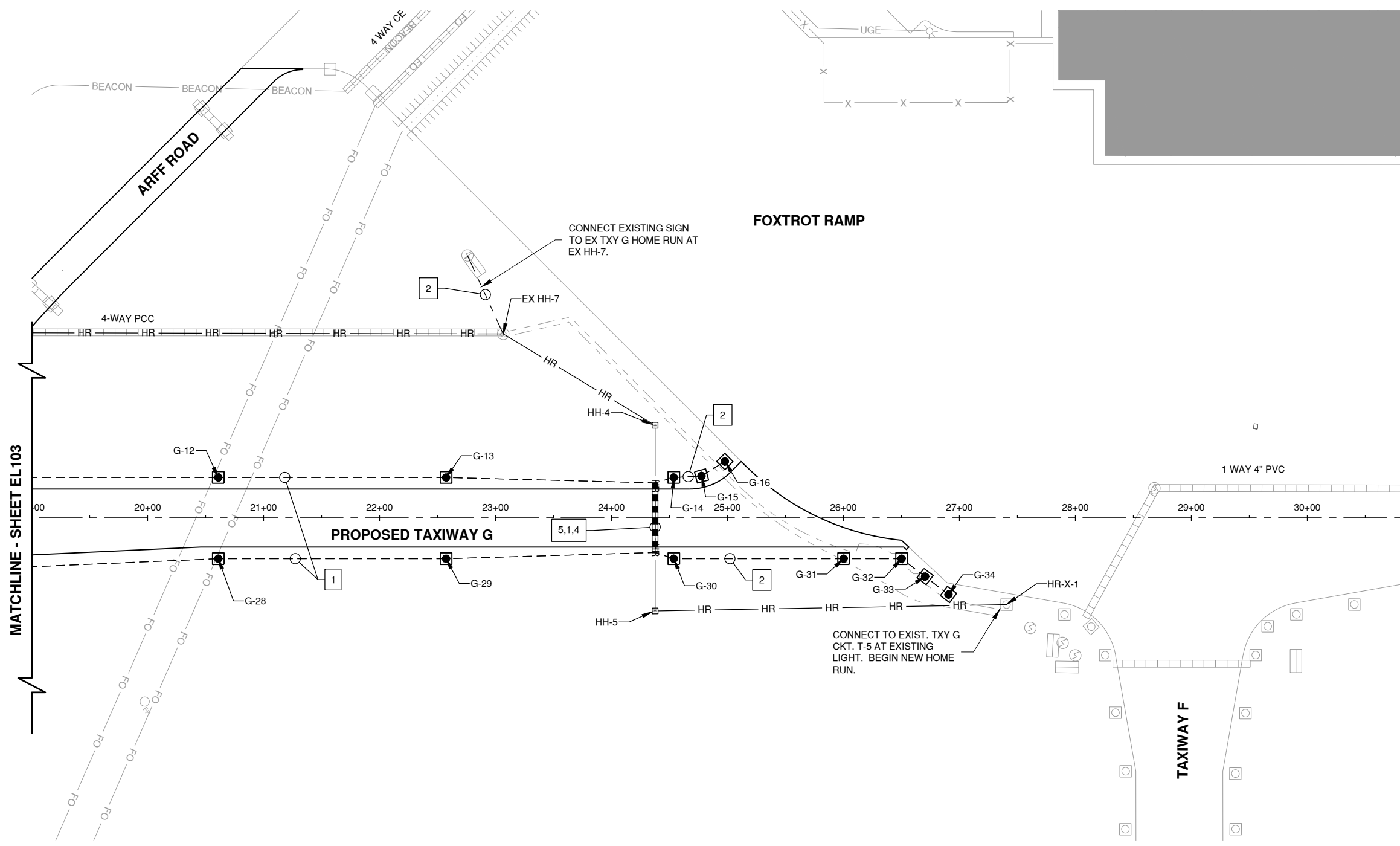
APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL



CABLE NOTES

- 1 ○ 1/C #8 5KV UG CABLE IN UD WITH COUNTERPOISE
- 2 ○ 2/C #8 5KV UG CABLE IN UD WITH COUNTERPOISE
- 3 ○ 1/C #8 5KV UG CABLE WITH COUNTERPOISE
- 4 ○ 2/C #8 5KV UG CABLE WITH COUNTERPOISE
- 5 ○ 4-WAY CONC. ENCASED DUCT
- 6 ○ 1-WAY CONC. ENCASED DUCT
- 7 ○ DIRECTIONAL BORE

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 RPR PRIOR TO INSTALLING.
3. LIGHTS SHALL BE INSTALLED IN A STRAIGHT LINE FROM THE I.P., P.T., P.C., OR TAPER POINT.
4. SEE SHEET EL101 FOR THE NEW HOME RUNS.
5. EDGE LIGHTS FOR BASE BID INCLUDE THE FOLLOWING:
 - 5.1. TXY G: G-1 THROUGH G-10, G-17 THROUGH G-25
 - 5.2. TXY B: ALL
 - 5.3. TXY E: ALL
 - 5.4. RWY 13/31: ALL
6. THE REMAINING TXY G EDGE LIGHTS WILL BE INSTALLED UNDER ADDITIVE ALTERNATE 3.

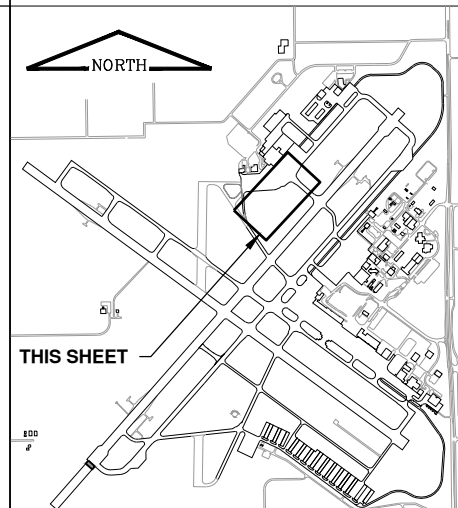
CIRCUIT LEGEND

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 (EX. TXY G)
---	---	T-4 (TXY E)
---	---	T-10 (NEW TXY G)
---	---	HR HOMERUN

LEGEND

EXISTING	NEW	DESCRIPTION
○	○	SPLICE CAN
□	□	TAXIWAY GUIDANCE SIGN
○	○	TAXIWAY EDGE LIGHT - STAKE MOUNTED
○	○	TAXIWAY EDGE LIGHT - BASE MOUNTED
□	□	RUNWAY BASE MOUNTED EDGE LIGHT
H	H	HANDHOLE
▬	▬	DUCT BANK
○	○	RUNWAY EDGE LIGHT - FLUSH MOUNTED
○	○	ELEVATED RETROREFLECTIVE MARKER
○	○	TAXIWAY EDGE LIGHT - FLUSH MOUNTED
○	○	TAXIWAY ENDING MARKER
▬	▬	DIRECTIONAL BORE

KEYMAP



MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	CA022
IL PROJ. NO:	SPI-4908	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH2-EL100.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	CHK	
APPROVED BY:	APR	
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LIGHTING & SIGNAGE PLAN - TXY G EAST

Path: K:\Springfield\180035-05_Rwy_18-36\Draw\Sheets\PHASE 2\18003505-PH2-EL100.dwg
Date: Thursday, April 29, 2021 10:41:11 AM



License No. 184-000613

CONSULTANTS

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

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY ABRAHAM LINCOLN CAPITAL AIRPORT SPRINGFIELD, IL

MARK DATE DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX CA022

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-EL400.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: CHK

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SHEET TITLE

ELECTRICAL SCHEDULES

EL401 SHEET 64 OF 109

STRUCTURE TABLE HOME RUN table with columns: STRUCTURE #, STRUCTURE TYPE, HORIZONTAL CONTROL. Includes entries for EX HH-1 through VAULT.

FIXTURE TABLE NEW TXY G - CKT T-10 table with columns: FIXTURE #, FIXTURE TYPE, HORIZONTAL CONTROL. Includes entries for G-1 through G-34.

FIXTURE TABLE NEW TXY G - CKT T-10 table with columns: FIXTURE #, FIXTURE TYPE, HORIZONTAL CONTROL. Includes entries for GS-1 through NODE G11.

FIXTURE TABLE RWY 1331 - CKT RWY 2 table with columns: FIXTURE #, FIXTURE TYPE, HORIZONTAL CONTROL. Includes entries for 1331-1, X-1, and X-2.

FIXTURE TABLE TXY B - CKT T-6 table with columns: FIXTURE #, FIXTURE TYPE, HORIZONTAL CONTROL. Includes entries for B-1 through B-19, GS-2, and X-1 through X-4.

FIXTURE TABLE TXY E - CKT T-4 table with columns: FIXTURE #, FIXTURE TYPE, HORIZONTAL CONTROL. Includes entries for E-1 through E-16, GS-6, and NODE E1 through E4.

GUIDANCE SIGN SCHEDULE table with columns: 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. Includes entries for GS-1 through GS-6.

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-EL500.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: CHK

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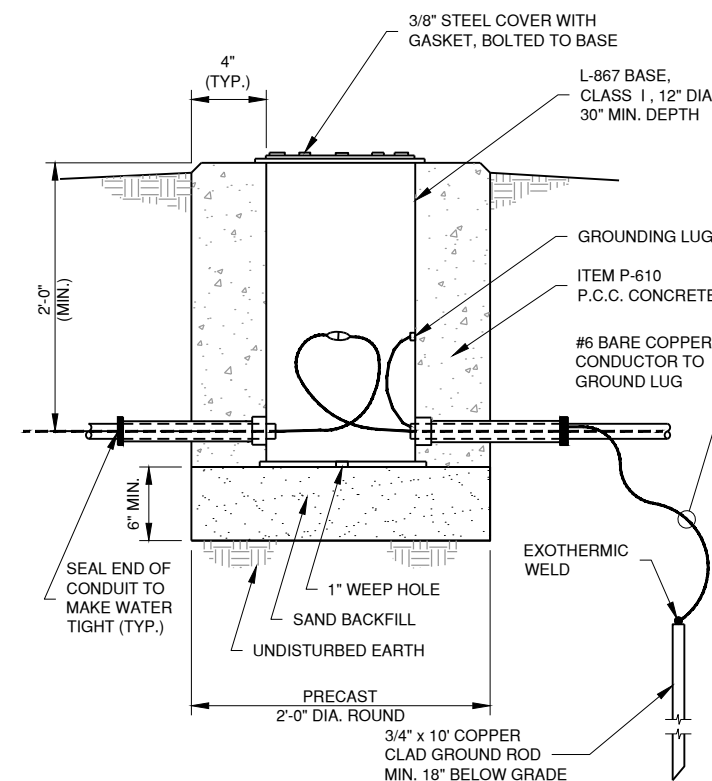
SHEET TITLE

ELECTRICAL DETAILS

1

EL501

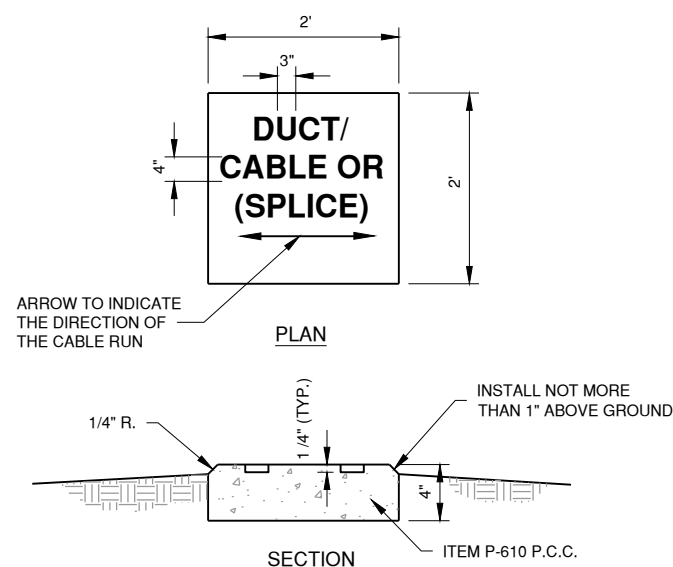
SHEET 65 OF 109



3 SPLICE CAN
N.T.S.

COUNTERPOISE NOTES

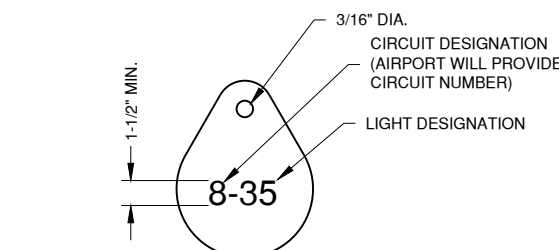
- THE HEIGHT ABOVE THE CABLE AND/OR CONDUIT IS CALCULATED TO ENSURE THE CABLES AND/OR CONDUITS TO BE PROTECTED ARE WITHIN THE 45° ZONE OF PROTECTION BELOW THE COUNTERPOISE.
- COUNTERPOISE WIRES MUST BE INSTALLED ABOVE MULTIPLE CONDUITS/DUCT BANKS FOR AIRFIELD LIGHTING CABLES, WITH THE INTENT BEING TO 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.
- REFER TO THE CURRENT VERSIONS OF FAA AC 150/5340-30 AND AC 150/5370-10 FOR MORE DETAILS ON COUNTERPOISE INSTALLATION.



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

MARKER NOTES

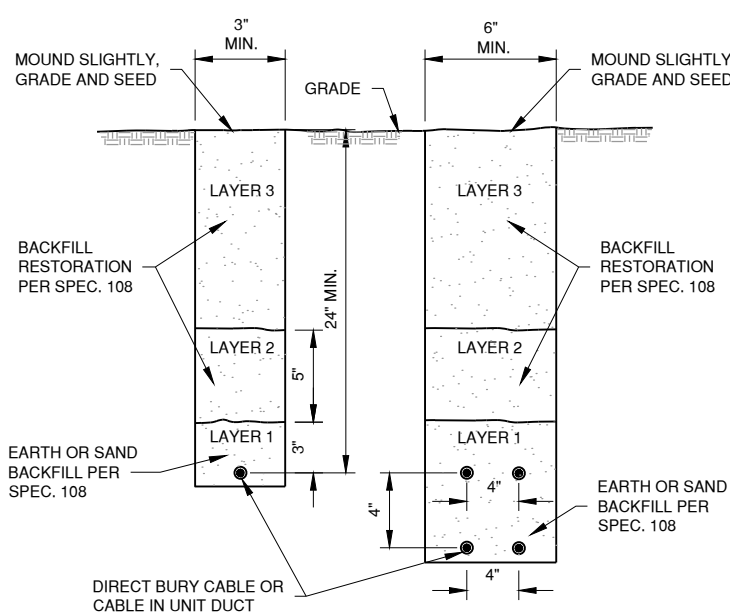
- DUCT MARKERS SHALL BE INSTALLED AT BOTH EDGES OF PAVEMENT WHERE PROPOSED ELECTRICAL DUCTS CROSS BOTH NEW AND EXISTING PAVEMENTS.
- CABLE MARKERS SHALL BE INSTALLED AT ALL BENDS AND EVERY 200' ALONG THE HOMERUN.
- ITEM 610 CONCRETE SHALL BE USED.
- ALL EXPOSED EDGES SHALL BE EDGED WITH A 1/4" RADIUS TOOL.
- THE COST OF FURNISHING AND INSTALLING NEW MARKERS SHALL BE INCIDENTAL TO THE ASSOCIATED ITEMS.
- 0.049 CU. YD. CONCRETE PER MARKER.
- A MARKER CONFORMING TO THIS DETAIL MARKED "SPLICE" SHALL BE INSTALLED AT ALL SPLICE LOCATIONS NOT IN LIGHT CANS OR MANHOLES.
- ADDITIONAL REQUIREMENTS FOR CONTRACTOR FURNISHED CONCRETE DUCT MARKERS ARE PRESENTED IN SECTION L-110 OF THE PROJECT SPECIFICATION.
- INSTALLED MARKER TO HAVE A COAT OF ORANGE PAINT.
- DIGITS SHALL BE IMPRESSED INTO THE CONCRETE.



2 LIGHT IDENTIFICATION TAG
N.T.S.

LIGHT IDENTIFICATION NOTES

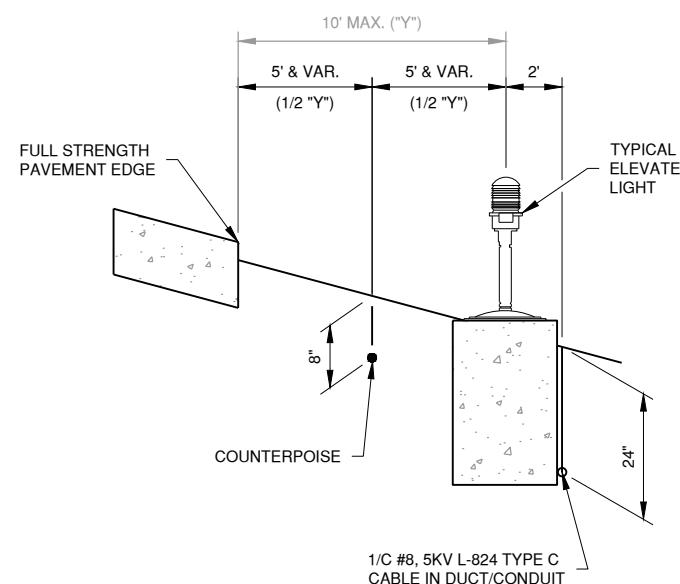
- INSTALL A NON-CORROSIVE DISC OF 2" MINIMUM DIAMETER WITH THE NUMBER PERMANENTLY STAMPED, CUT OUT, OR ENGRAVED UNDER THE HEAD OF THE BASE PLATE BOLT OR ATTACHED TO LIGHT FLANGE WITH SET SCREW.
- LEGENDS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR TO COORDINATE LEGEND WITH AIRPORT.
- THE CONTRACTOR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



4 CABLE TRENCH DETAIL
N.T.S.

CABLE TRENCH NOTES

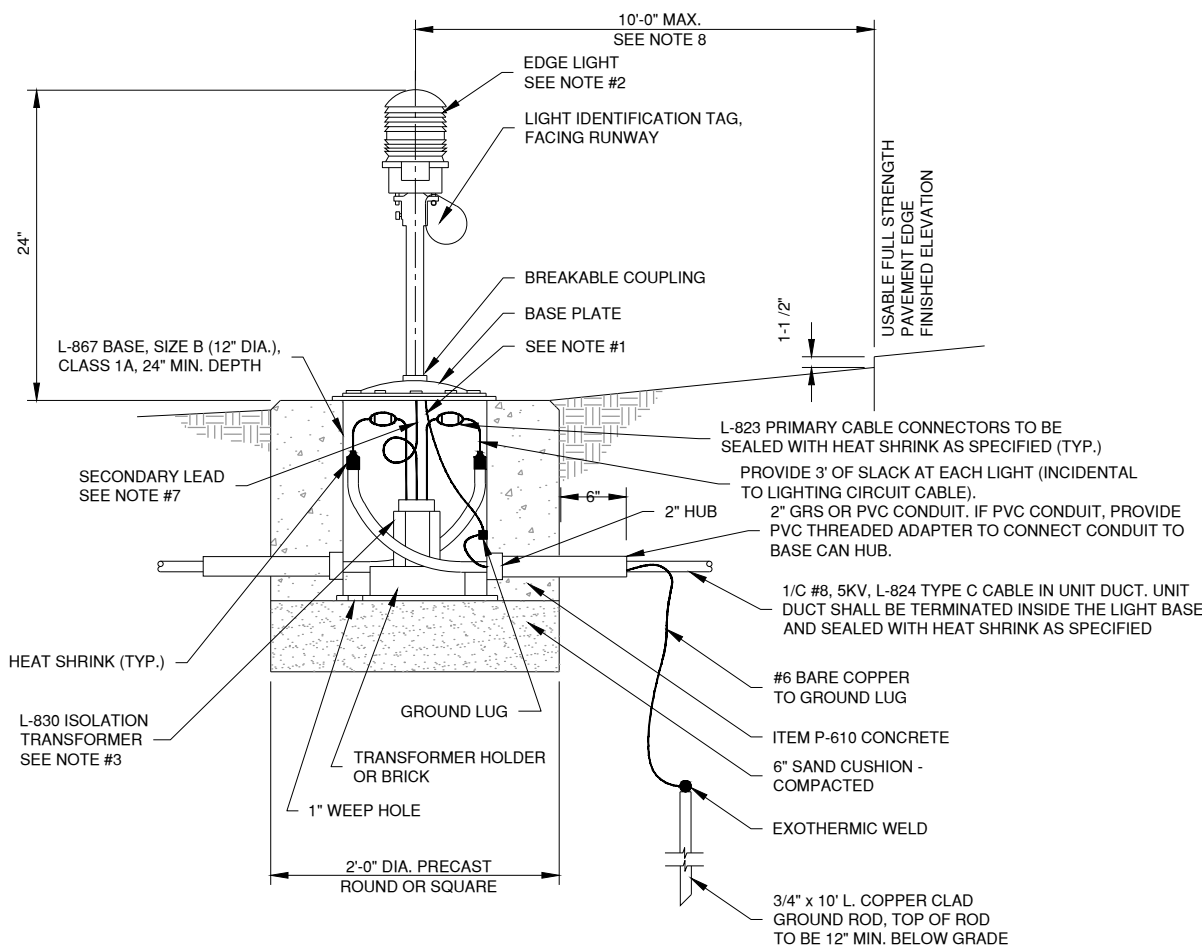
- CABLES SHALL NOT BE PLACED LESS THAN 24" DEEP IN ANY ONE TRENCH UNLESS PERMITTED BY ENGINEER.
- WHERE PERMITTED, CONTRACTOR MAY INSTALL CABLE IN UNIT DUCT BY PLOWING METHOD.



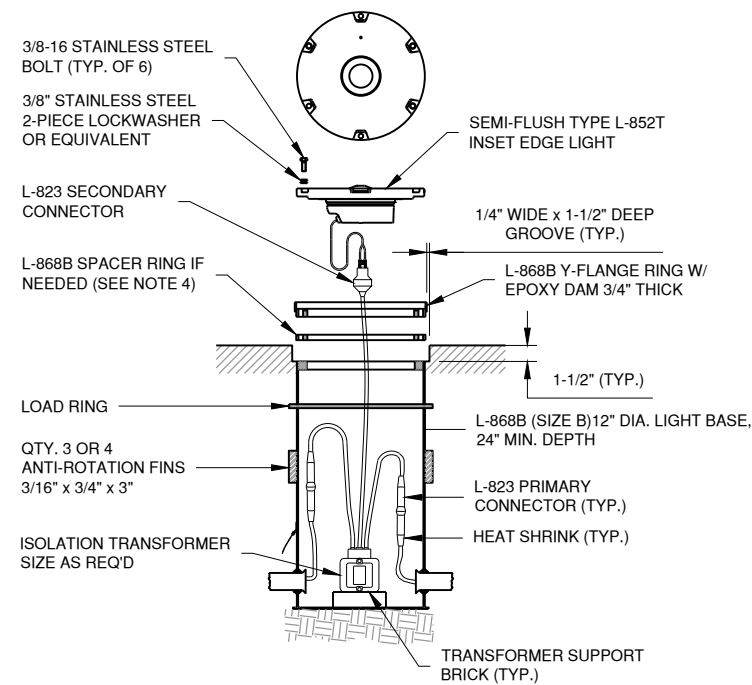
5 COUNTERPOISE LOCATION DETAIL
N.T.S.

CABLE TRENCH NOTES

- #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** BASE MOUNTED ELEVATED EDGE LIGHT

N.T.S.

NOTE: SEE COUNTERPOISE LOCATION DETAIL SHEET EL501**2** IN-PAVEMENT EDGE LIGHT DETAIL

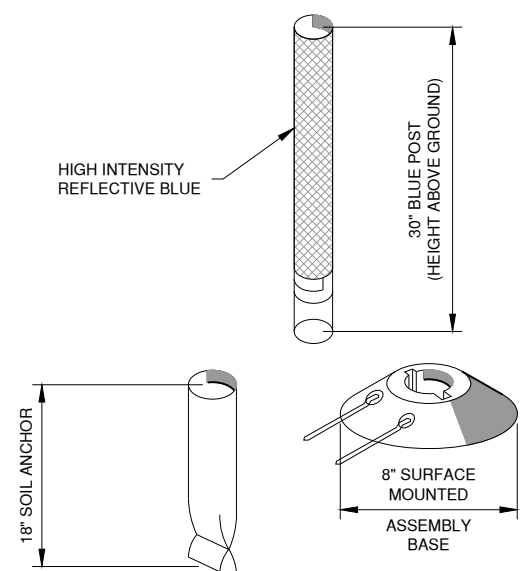
N.T.S.

IN-PAVEMENT LIGHT 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 $\pm 0.1/16$ " BELOW GRADE FAA INSTALLATION TOLERANCE. A MAXIMUM OF THREE SPACER RINGS MAY BE STACKED TOGETHER.

BASE-MOUNTED ELEVATED 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-852, L-861, L-862, AS INDICATED ON THE PLANS AND SPECIFICATIONS.
3. 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.
4. 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.
5. 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.
6. 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.
7. ENTRANCES IN L-867 BASES MUST BE PLUGGED FROM THE INSIDE WITH DUCT SEAL TO MAKE WATERTIGHT.
8. EDGE LIGHTS SHALL BE LOCATED NO MORE THAN 10' AND NO LESS THAN 2' FROM THE EXISTING PAVEMENT EDGE, IN A STRAIGHT LINE PARALLEL WITH CENTERLINE. THE CONTRACTOR SHALL VERIFY LAYOUT OF LIGHTS WITH THE RPR PRIOR TO INSTALLATION.

**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

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

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

MARK DATE DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-EL500.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

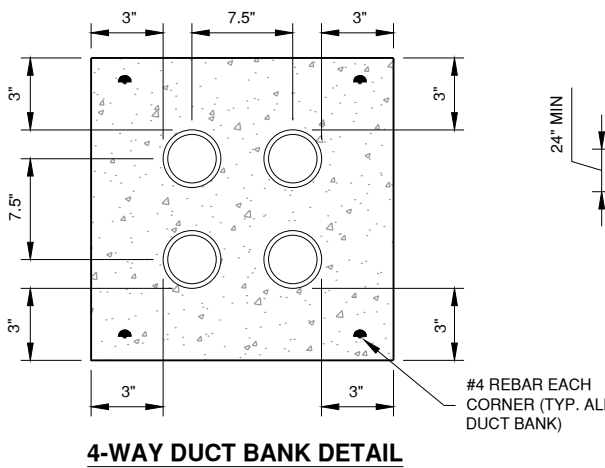
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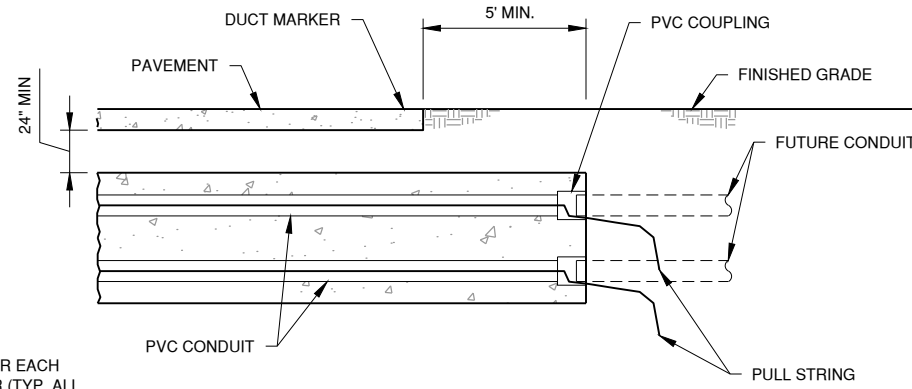
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SHEET TITLE

ELECTRICAL DETAILS**2****EL502**SHEET **66** OF **109**



4-WAY DUCT BANK DETAIL

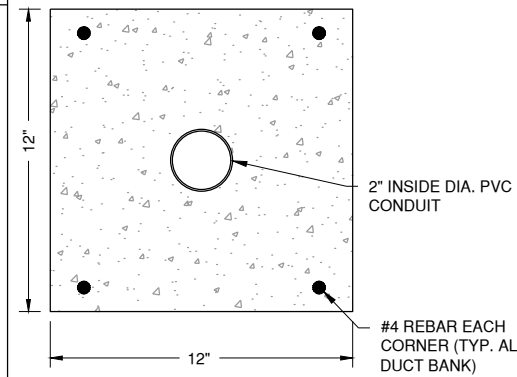


TYPICAL SECTION

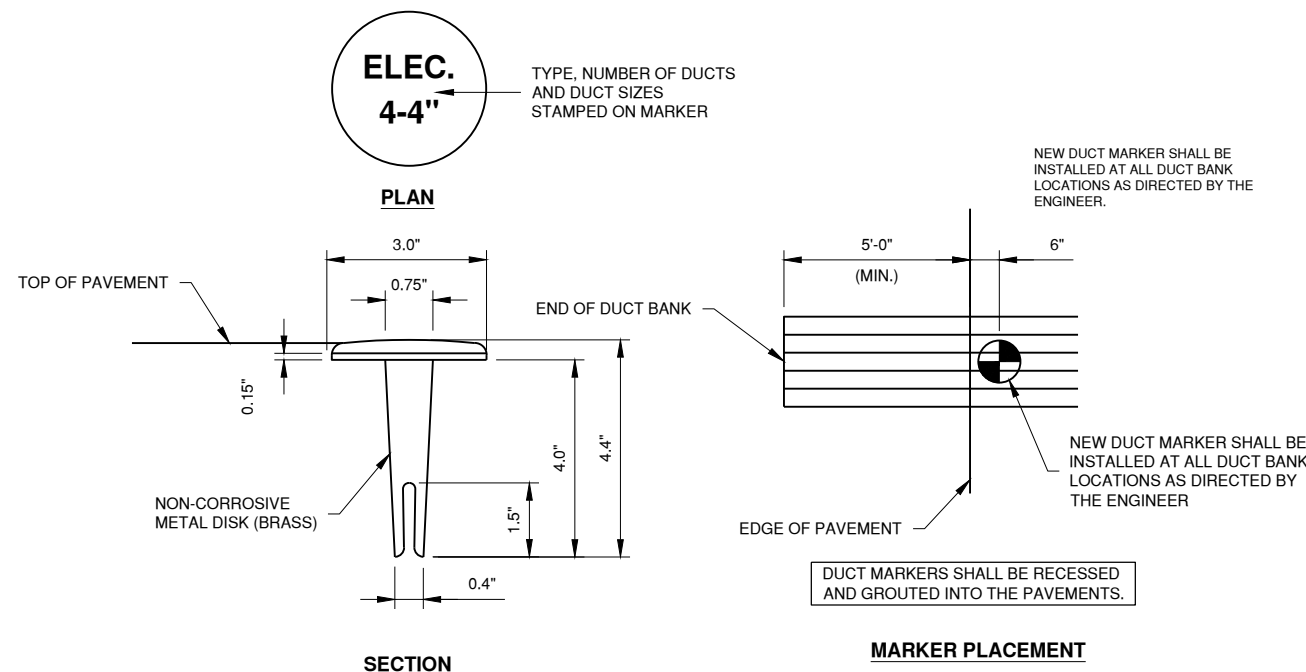
1 4-WAY DUCT BANK DETAIL
N.T.S.

DUCT BANK NOTES

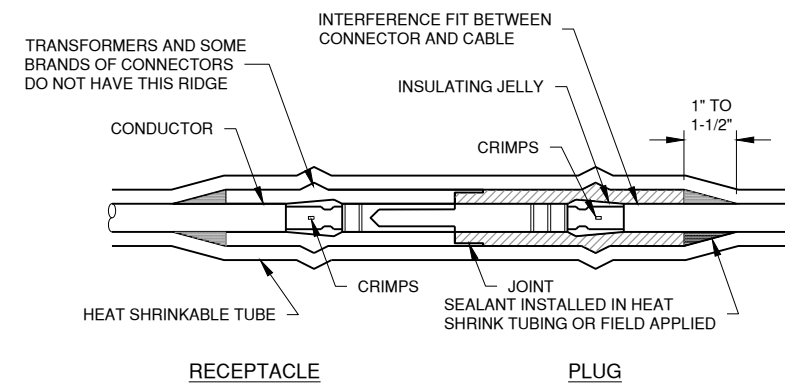
1. DIMENSIONS SHOWN ARE MINIMUM.
2. TOP OF CONCRETE ENCASUREMENT SHALL BE NOT LESS THAN 24" BELOW FINISHED SUBGRADE BELOW PAVEMENTS AND NOT LESS THAN 24" BELOW FINISHED GRADE IN UNPAVED AREAS, EXCEPT WHERE DIRECTED OTHERWISE BY ENGINEER. AVOID ALL CONFLICTS WITH OTHER UTILITIES (UNDERDRAINS, WATER LINES, SEWER LINES, TELEPHONE, ELECTRICAL) OR OTHER OBSTACLES, ADJUSTING DEPTH AS NECESSARY.
3. CONCRETE SHALL BE ITEM P-610.
4. CONDUIT FOR CONCRETE ENCASUREMENT SHALL BE SCHEDULE 40 PVC, 4" NOMINAL DIAMETER, OR AS INDICATED ON THE PLANS.
5. CONCRETE ENCASUREMENT 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 ENCASUREMENT.
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 POLYETHYLENE 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.



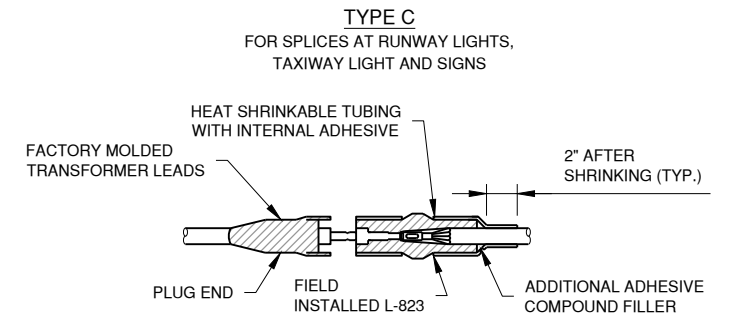
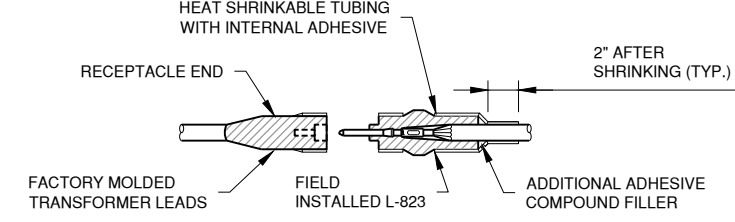
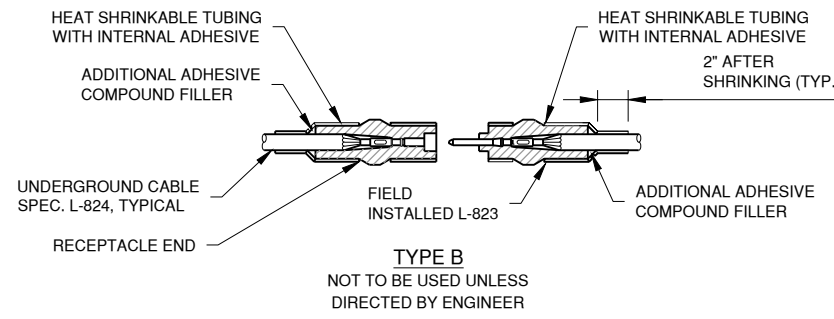
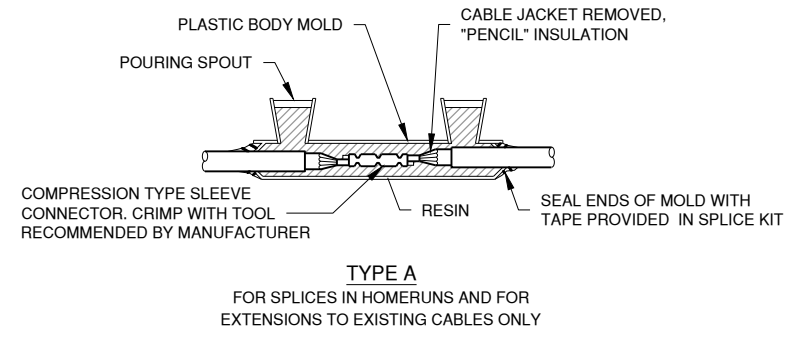
4 1-WAY DUCT BANK DETAIL
N.T.S.



2 IN-PAVEMENT DUCT MARKER DETAIL
N.T.S.



RECEPTACLE PLUG



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.

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

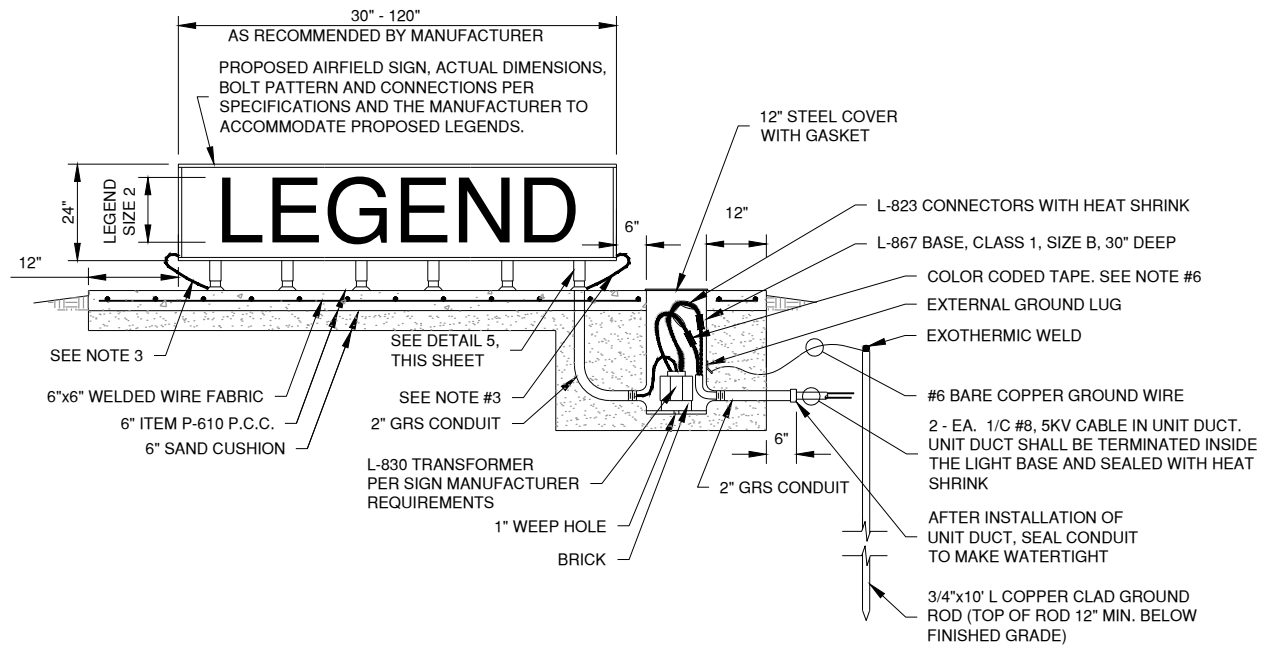
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ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

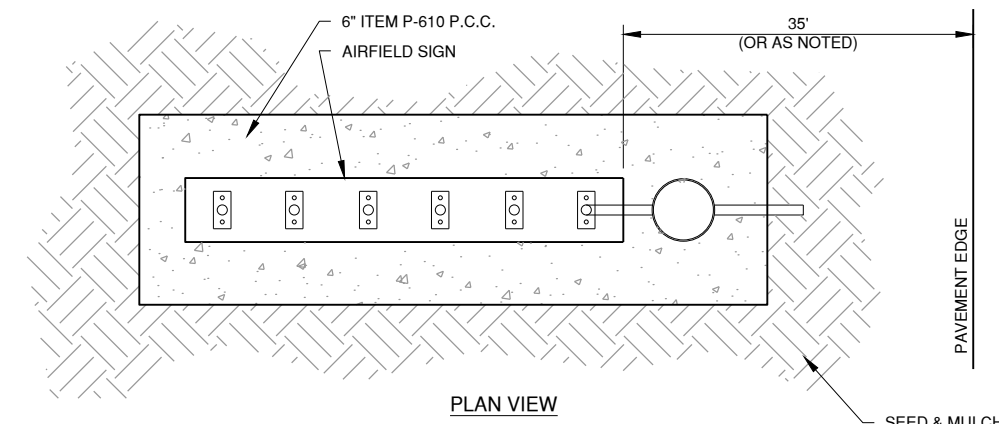
ELECTRICAL DETAILS

3

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



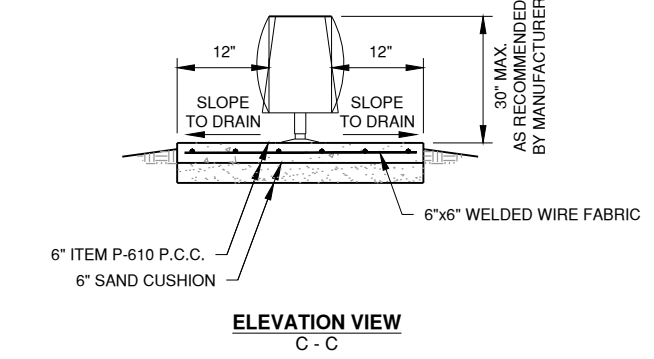
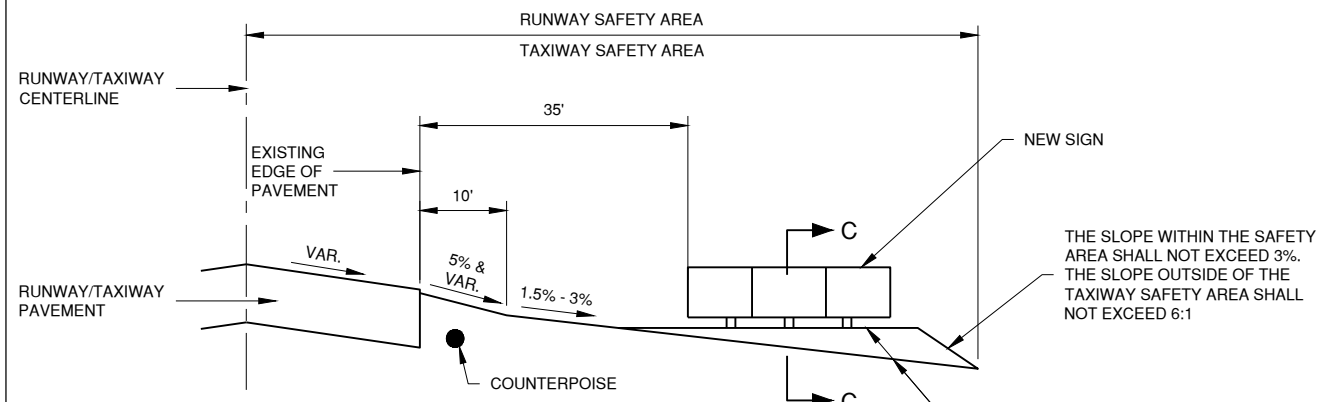
AIRFIELD SIGN NOTES

1. TRANSFORMER WATTAGE SHALL BE AS REQUIRED BY SIGN MANUFACTURER. SIGNS ON RUNWAY CIRCUITS SHALL BE STYLE 2 OR 3 DEPENDING ON REGULATOR.
2. 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.
3. SIGN ANCHOR TETHERS AND GROUND WIRES ARE REQUIRED. SEE SPECIFICATIONS.
4. SIGNS SHALL BE SIZE 2, STYLE 2 OR 3, CLASS 2, AND MODE 2. SEE SIGN SCHEDULE FOR DETAILS
5. LIGHT I.D. TAG FOR SIGN SHALL INCLUDE SIGN DESIGNATOR SHOWN IN THE PLAN TABLES.
6. 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.

SIGN NOTES

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

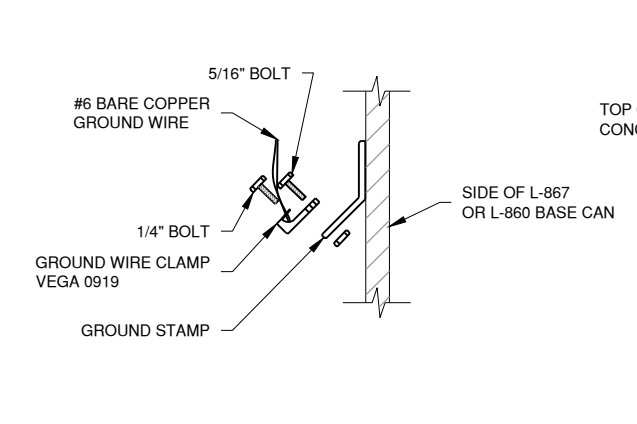
2 SIGN LOCATION DETAIL
N.T.S.



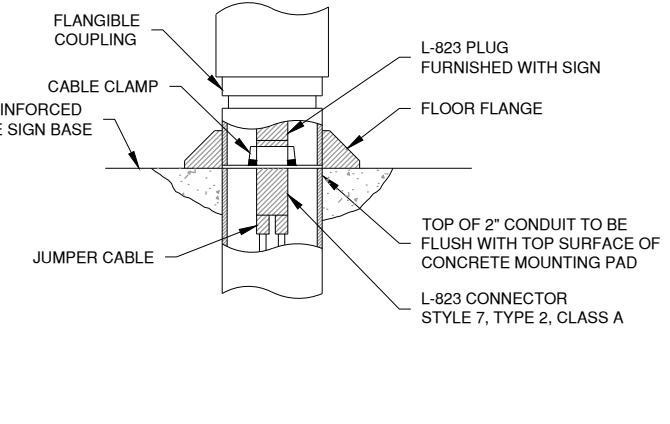
3 MOUNTED SIGN BASE DETAIL
N.T.S.

NOTE: SEE COUNTERPOISE LOCATION DETAIL SHEET EL501

4 FACTORY GROUND LUG DETAIL
N.T.S.



5 ELECTRICAL CONNECTION
N.T.S. DETAIL 5



OWNER

SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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Date: Thursday, April 29, 2021 10:42:06 AM

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND
ASSOCIATED IMPROVEMENTS,
PHASE 2

OWNER



SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

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

CA022

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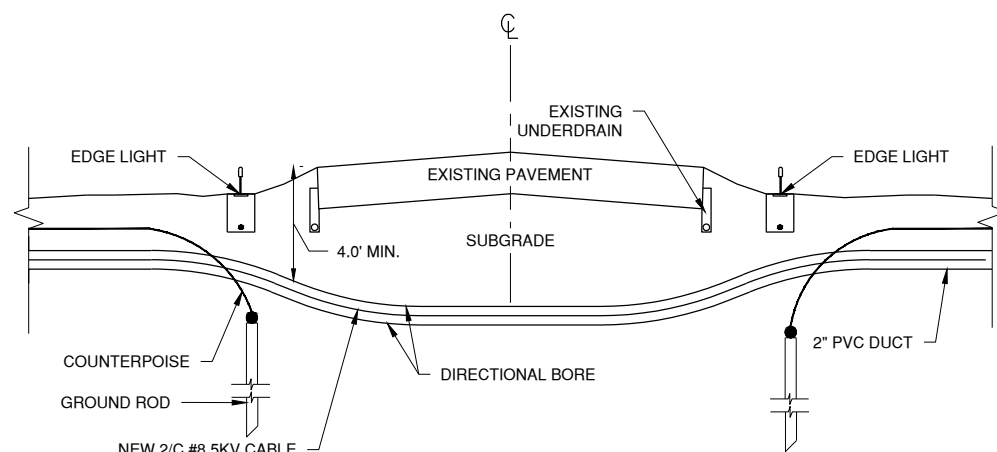
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SHEET TITLE

ELECTRICAL DETAILS
5

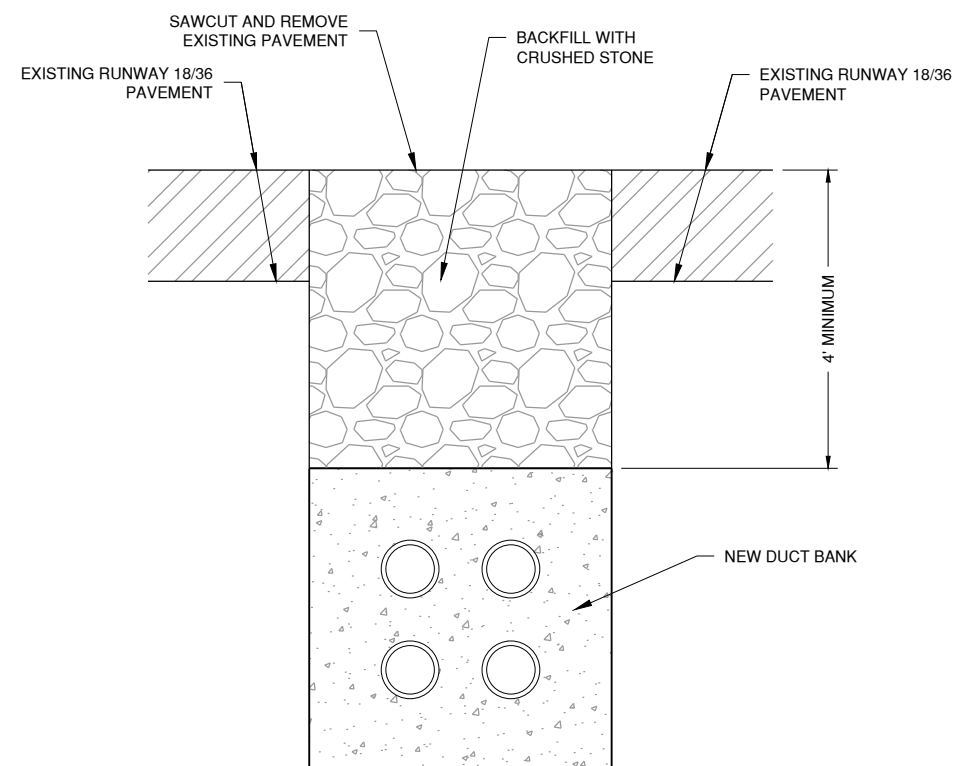
EL505

SHEET 69 OF 109

**NOTES**

1. THE DEPTH OF THE DIRECTIONAL BORE SHALL BE NO LESS THAN 4.0' FROM THE PAVEMENT SURFACE AND SHALL NOT DISTURB EXISTING UNDERDRAINS OR NEW LIGHTS/CABLING.

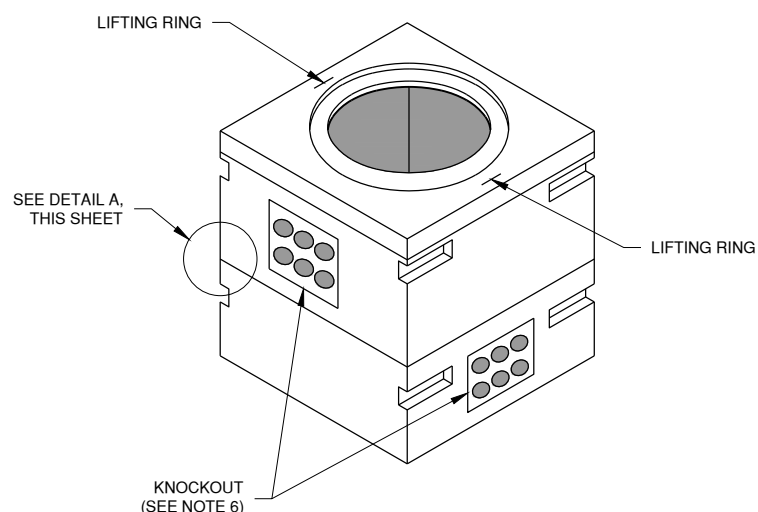
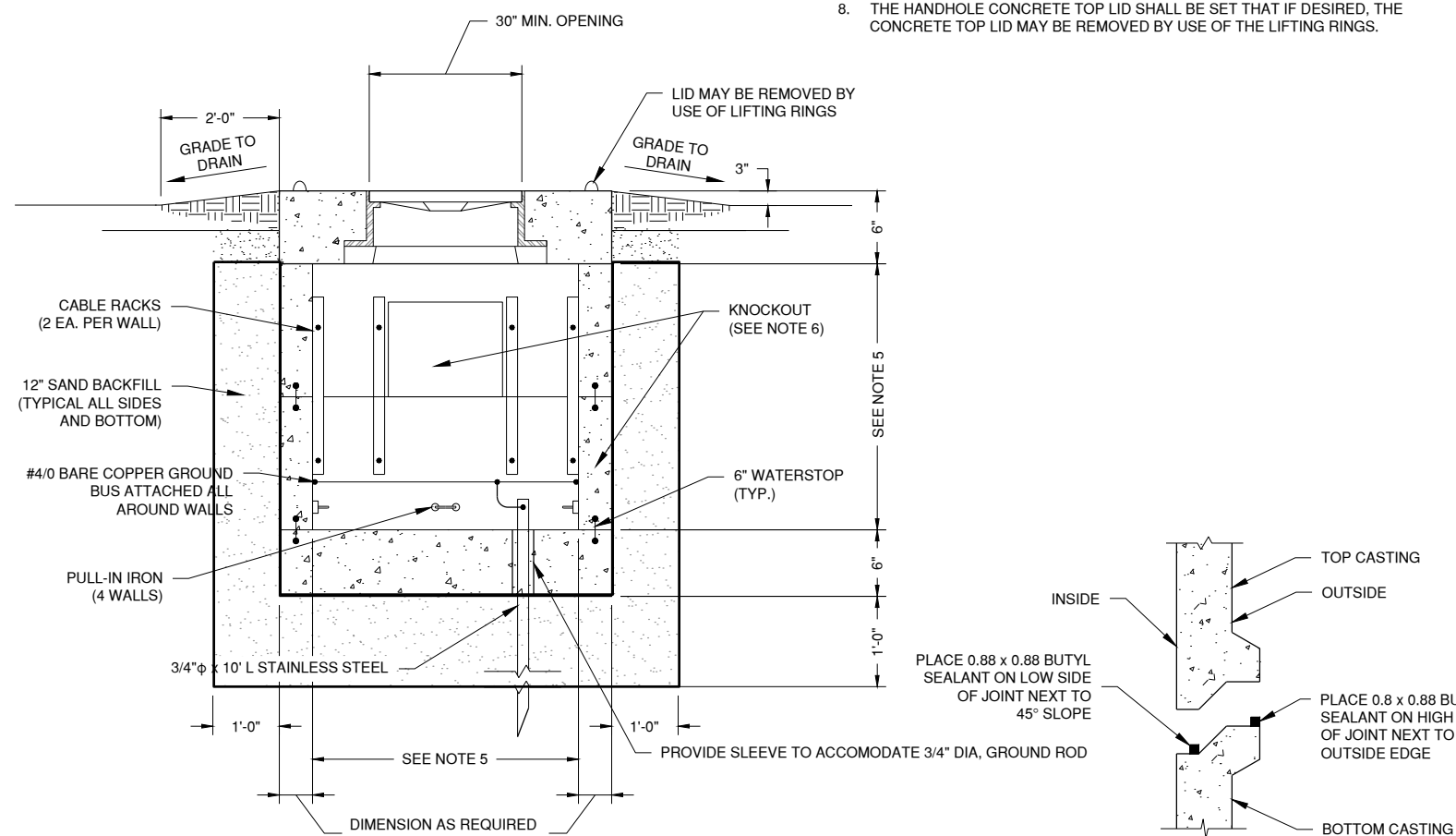
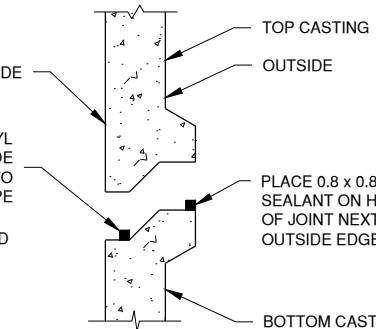
1 DIRECTIONAL BORE DETAIL
N.T.S.



2 DUCT BANK IN OPEN CUT PAVEMENT
N.T.S.

NOTES

1. THIS DETAIL APPLIES IF ALTERNATE 2 IS NOT AWARDED.

**ELEVATION VIEW****SECTION VIEW****DETAIL A**

BOTTOM CASTING

PLACE 0.88 x 0.88 BUTYL SEALANT ON HIGH SIDE OF JOINT NEXT TO OUTSIDE EDGE

BOTTOM CASTING

BOTTOM CASTING

BOTTOM CASTING

BOTTOM CASTING

BOTTOM CASTING

BOTTOM CASTING

BOTTOM CASTING

BOTTOM CASTING

BOTTOM CASTING

BOTTOM CASTING

BOTTOM CASTING

BOTTOM CASTING

BOTTOM CASTING

2 ELECTRICAL HANDHOLE DETAIL
N.T.S.

NOTES

1. THE HANDHOLE/GRADE RING/HANDHOLE LID ASSEMBLY SHALL BE CONSTRUCTED TO MEET OR EXCEED THE FOLLOWING LOADINGS:
A. EARTHLOAD = 2 FEET FILL AT 130 LBS/FT.
B. SURCHARGE = 2 FEET FILL AT 130 LBS/FT.
C. LIVE LOAD = A.A.S.H.T.O. HS-20 TRUCK WITH 20% IMPACT
D. $f_c = 4,500$ P.S.I.
E. $f_y = 60,000$ P.S.I.
F. ULTIMATE STRENGTH DESIGN METHOD
THE SUPPLIER SHALL PROVIDE CERTIFICATION THAT THE HANDHOLES MEET OR EXCEED THESE REQUIREMENTS PRIOR TO INSTALLATION.
2. THE HANDHOLE CONSTRUCTION AND INSTALLATION SHALL BE WATERTIGHT. ALL CONSTRUCTION JOINTS AND DUCTS SHALL BE SEALED TO PREVENT WATER ENTRY. ALL UNUSED DUCT BANK OPENINGS IN HANDHOLE SHALL BE SEALED WITH METAL PLATES TREATED FOR CORROSION RESISTANCE AND BOLTED INTO PLACE. MATING SURFACES SHALL BE SEALED USING BUTYL SEALANT.
3. THE HANDHOLE LID ASSEMBLY SHALL BE INSTALLED SLIGHTLY ABOVE THE SURROUNDING FINAL GRADE AND THE EARTH SHALL BE GRADED TO IT.
4. THE HANDHOLE COVER SHALL BE LOCKABLE UTILIZING A PENTAGON BOLT ASSEMBLY.
5. PROPOSED ELECTRICAL HANDHOLE SHALL BE THE FOLLOWING INTERIOR DIMENSIONS: 4' L x 4' W x 4' H
6. SINGLE HANDHOLES: KNOCKOUTS SHALL BE CENTERED IN THE HANDHOLE WALL AND SHALL BE SIZED AS REQUIRED FOR PROPOSED DUCT BANK.
7. HANDHOLES THAT MAKE UP A HANDHOLE PLAZA: THE WALL KNOCKOUTS FOR THE NORTH/SOUTH WALLS SHALL BE PLACED AT HIGHER OR LOWER ELEVATIONS THAN THE WALL KNOCKOUTS FOR THE EAST/WEST WALLS TO ALLOW THE DUCTS TO CROSS. KNOCKOUTS SHALL BE SIZED AS REQUIRED FOR PROPOSED DUCT BANK.
8. THE HANDHOLE CONCRETE TOP LID SHALL BE SET THAT IF DESIRED, THE CONCRETE TOP LID MAY BE REMOVED BY USE OF THE LIFTING RINGS.

MATCHLINE - SEE MARKING PLAN 2

RUNWAY 1836
(TO BE REMOVED)

PROPOSED TAXIWAY G

NEW TAXIWAY CENTERLINE
(12" CONTINUOUS YELLOW)

TAXIWAY G
STA. = 8+83.95
OFF. = -60.00

TAXIWAY G
STA. = 8+94.48
OFF. = 60.00

TAXIWAY B
STA. = 1236+27.19
OFF. = 0.00

TAXIWAY B
STA. = 1246+37.68
OFF. = 0.00

REMARK 1010 LF EXISTING
TAXIWAY B CENTERLINE
(12" YELLOW)

EXISTING 4-22 SPHPS,
HOLDLINE & ENHANCED
TAXIWAY CENTERLINE
TO REMAIN

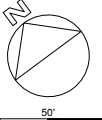
TAXIWAY B

1236+00 1237+00 1238+00 1239+00 1240+00 1241+00 1242+00 1243+00 1244+00 1245+00 1246+00 1247+00 1248+00 1249+00



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CONSULTANTS



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

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND
ASSOCIATED IMPROVEMENTS,
PHASE 2

OWNER



SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

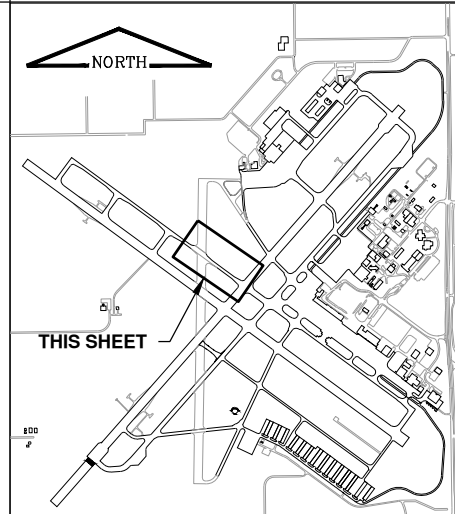
NOTES

- 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

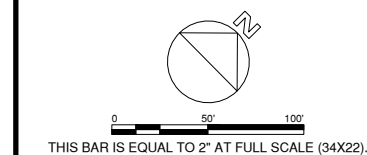
- PROPOSED TAXIWAY CENTERLINE MARKING
- EXISTING ENHANCED TAXIWAY CENTERLINE
- EXISTING MARKING

KEYMAP



MARK	DATE	DESCRIPTION
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IL PROJ. NO: SPI-4908		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH2-CM100.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: CHK		
APPROVED BY: APR		
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SHEET TITLE
**PAVEMENT MARKING
PLAN 1**



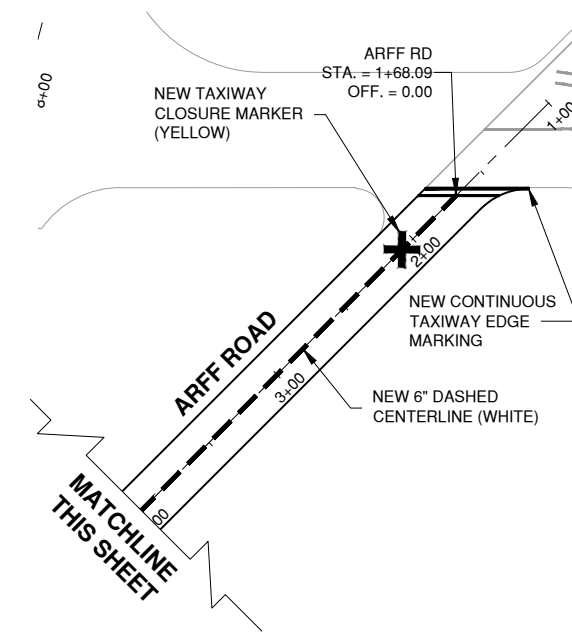
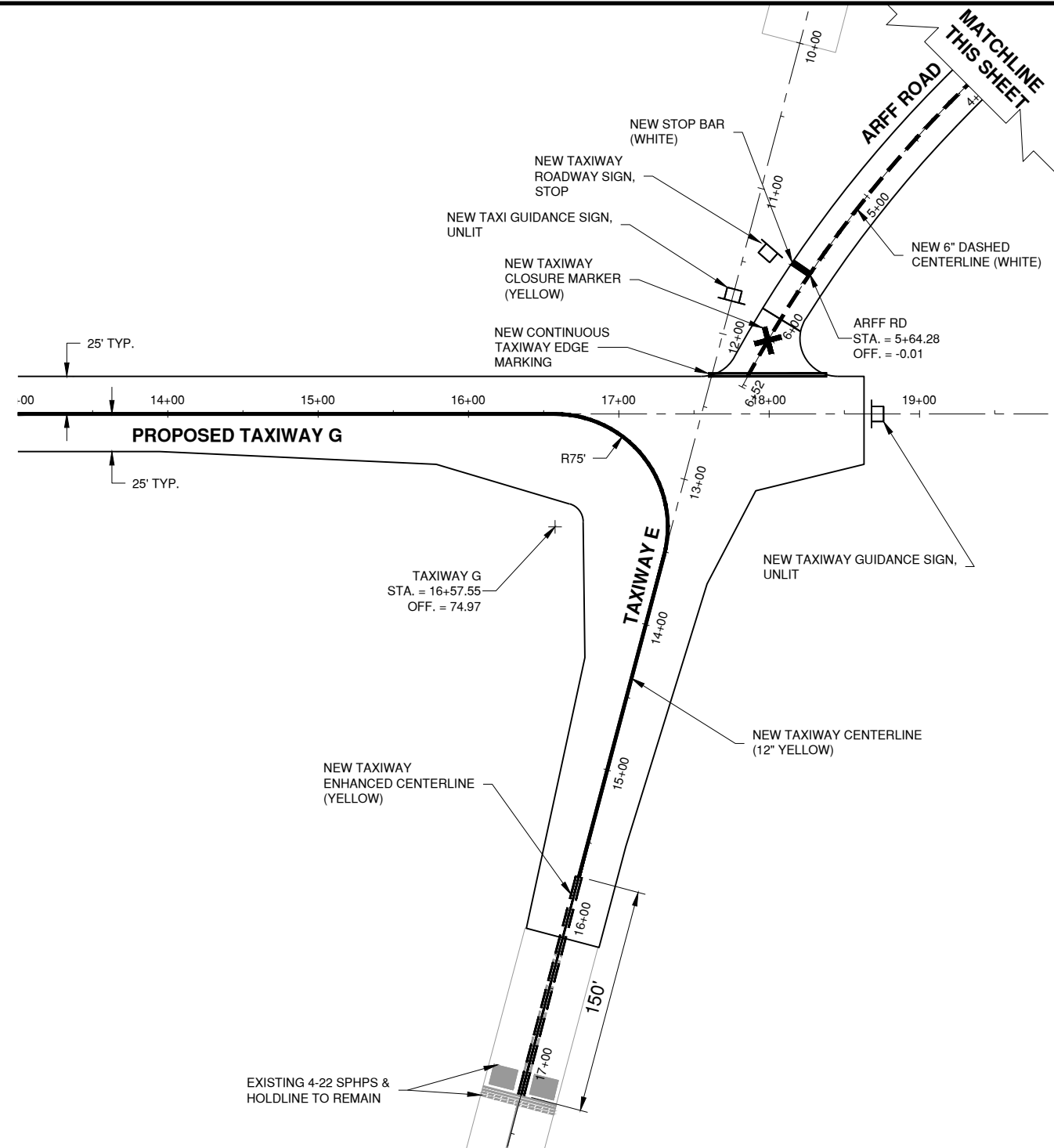
APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL



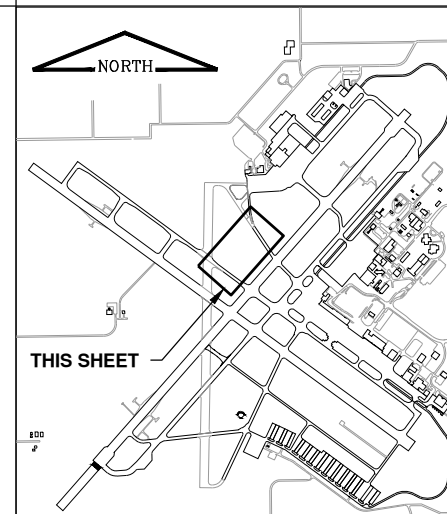
NOTES

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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
- EXISTING MARKING
- EXISTING HOLDING POSITION MARKING
- EXISTING SURFACE PAINTED HOLD POSITION SIGN (SPHPS)

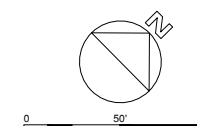
KEYMAP



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PAVEMENT MARKING PLAN 2



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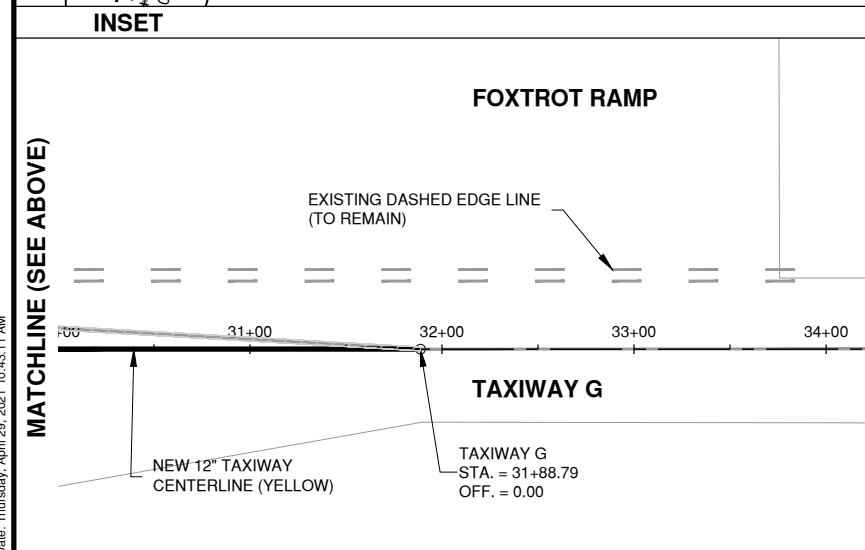
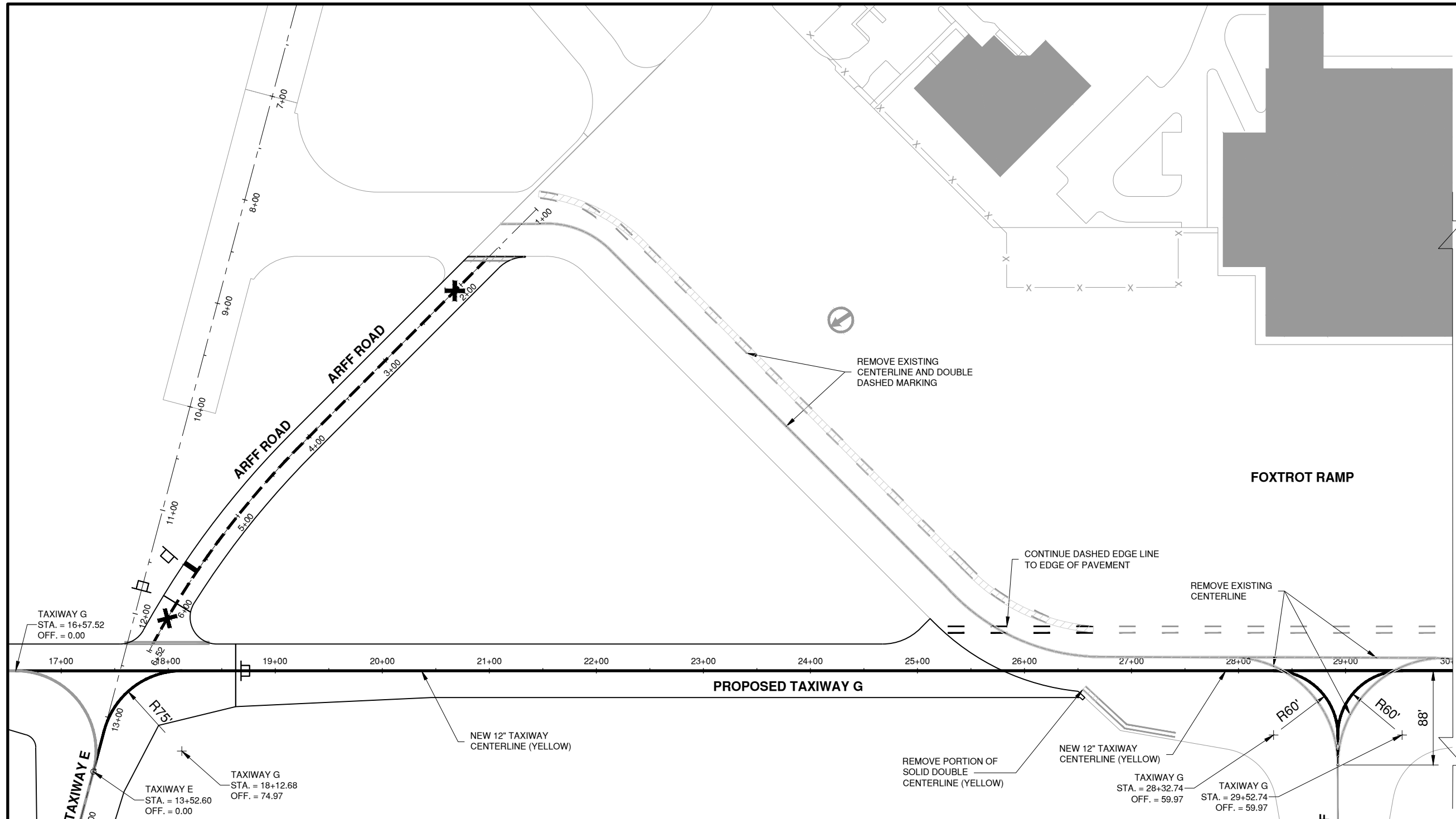
APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL



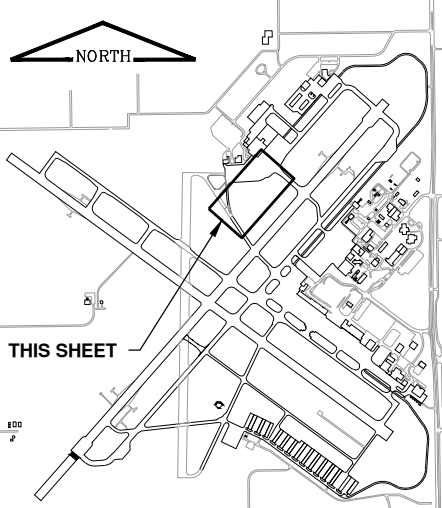
NOTES

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- 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
- EXISTING MARKING
- EXISTING HOLDING POSITION MARKING
- EXISTING SURFACE PAINTED HOLD POSITION SIGN (SPHPS)

KEYMAP



MARK	DATE	DESCRIPTION
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IL PROJ. NO: SPI-4908		
CMT PROJECT NO: 180035-05		
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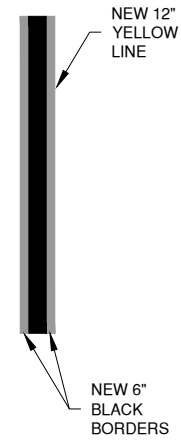
SHEET TITLE

PAVEMENT MARKING PLAN 3

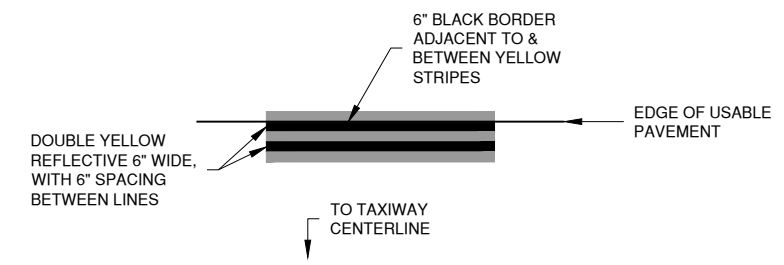
CM103

SHEET 72 OF 109

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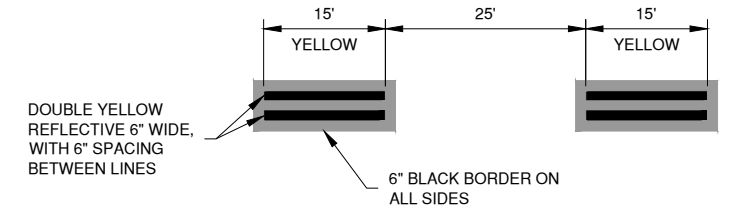


1 TAXIWAY CENTERLINE CONTINUOUS
N.T.S.

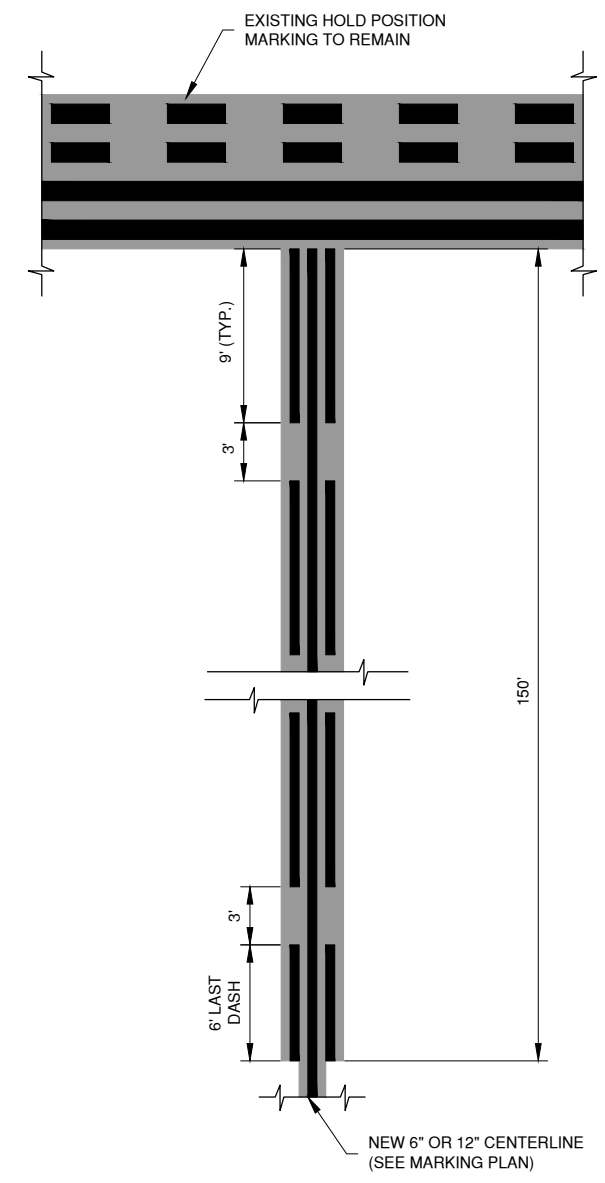


2 CONTINUOUS TAXIWAY EDGE LINE
N.T.S.

NOTES:
 1. ALL NEW WATER BORNE PAVEMENT MARKING (RED, YELLOW, WHITE) WILL BE PAID UNDER WATERBORNE MARKING PAY ITEM AND SHALL HAVE REFLECTIVE BEADS.
 2. ALL NEW AIRFIELD PAVEMENT MARKING SHALL HAVE 6" BLACK BORDER UNLESS OTHERWISE NOTED. BLACK BORDER DOES NOT RECEIVE REFLECTIVE BEADS.

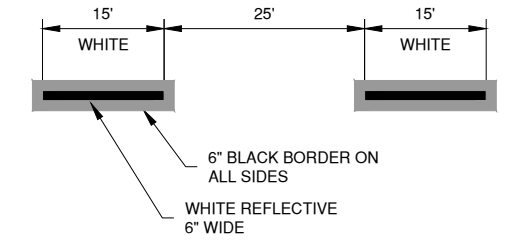


3 DASHED TAXIWAY EDGE LINE
N.T.S.



4 ENHANCED TAXIWAY CENTERLINE
N.T.S.

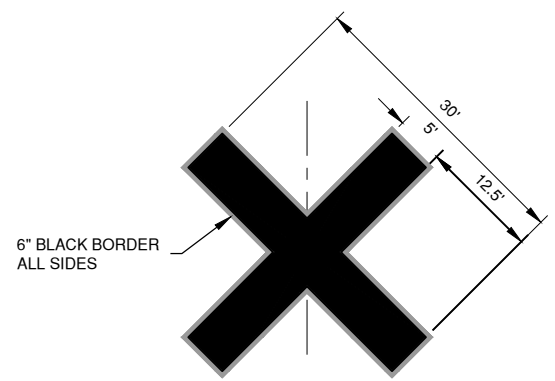
ENHANCED TXY CENTERLINE NOTE
 1. REGARDLESS OF CENTERLINE WIDTH, THE DASHED LINES PROVIDED BY THE ENHANCEMENTS WILL ALWAYS BE 6" IN WIDTH.



5 ROADWAY CENTERLINE
N.T.S.



6 ROADWAY STOPLINE
N.T.S.



7 CLOSED TAXIWAY MARKING (YELLOW)
N.T.S.

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

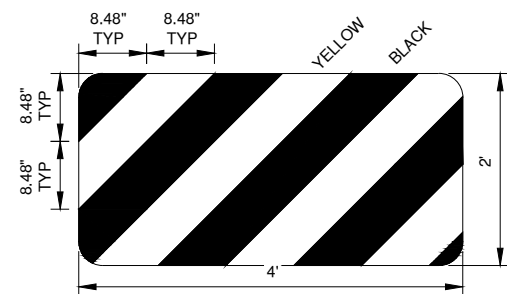


SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

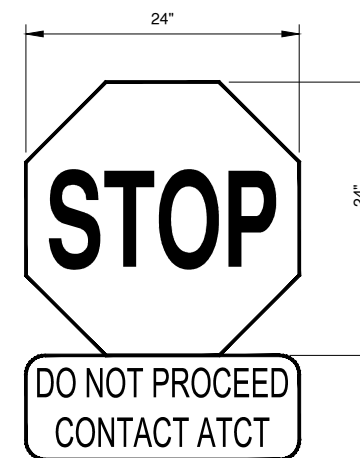
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PAVEMENT MARKING DETAILS

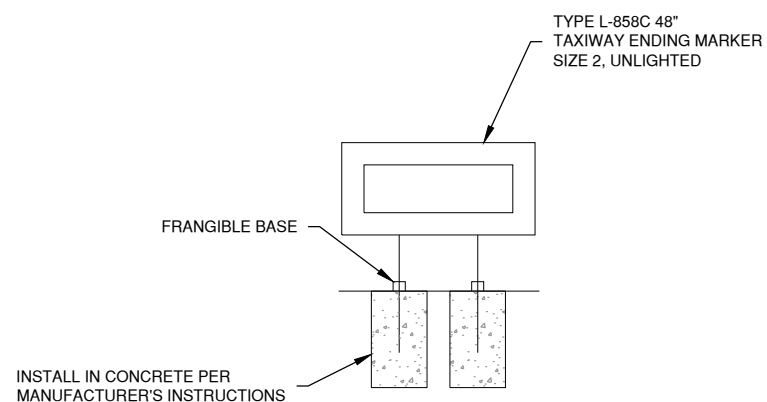
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SIGN PANEL DETAIL

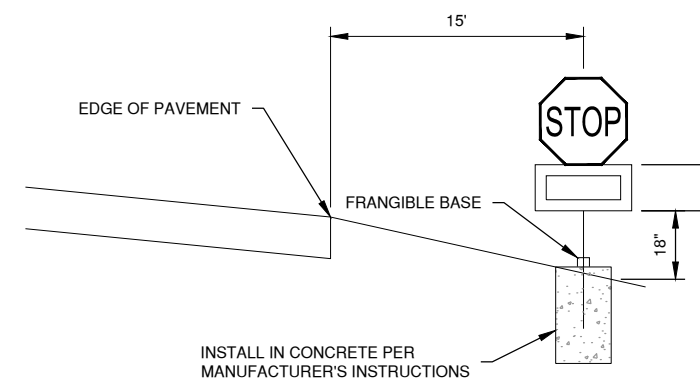


SIGN PANEL DETAIL



INSTALLATION DETAIL

1 TAXI GUIDANCE SIGN, UNLIT
N.T.S.



INSTALLATION DETAIL

2 ROADWAY SIGN, STOP
N.T.S.

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CM500.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
APPROVED BY: APR	
COPYRIGHT:	

SHEET TITLE
UNLIGHTED SIGN DETAILS



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CONSULTANTS



0 50' 100'

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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



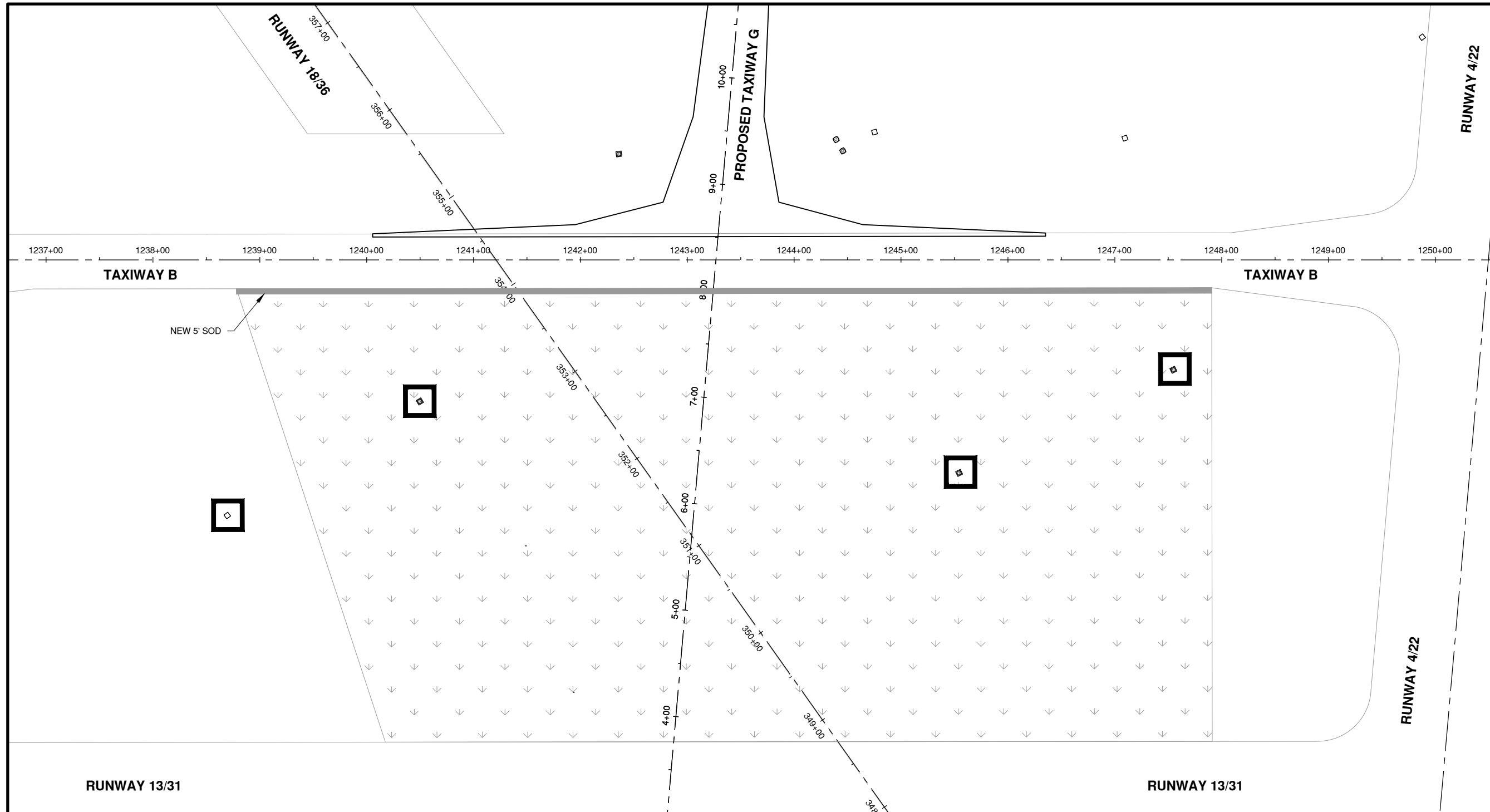
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-LG100.DWG	
DESIGNED BY: HWI	
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SHEET TITLE EROSION CONTROL & TURFING PLANS 1

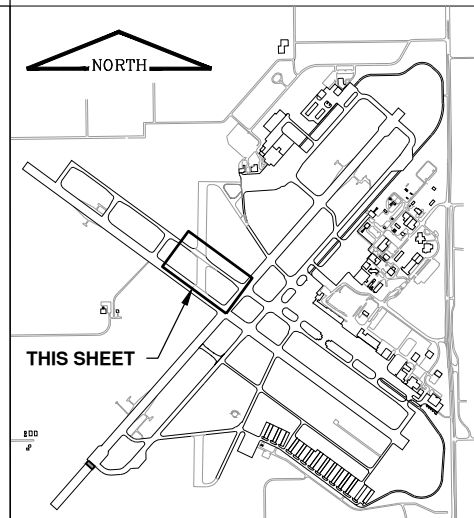
LG101
SHEET 75 OF 109



LEGEND

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

KEYMAP



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RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



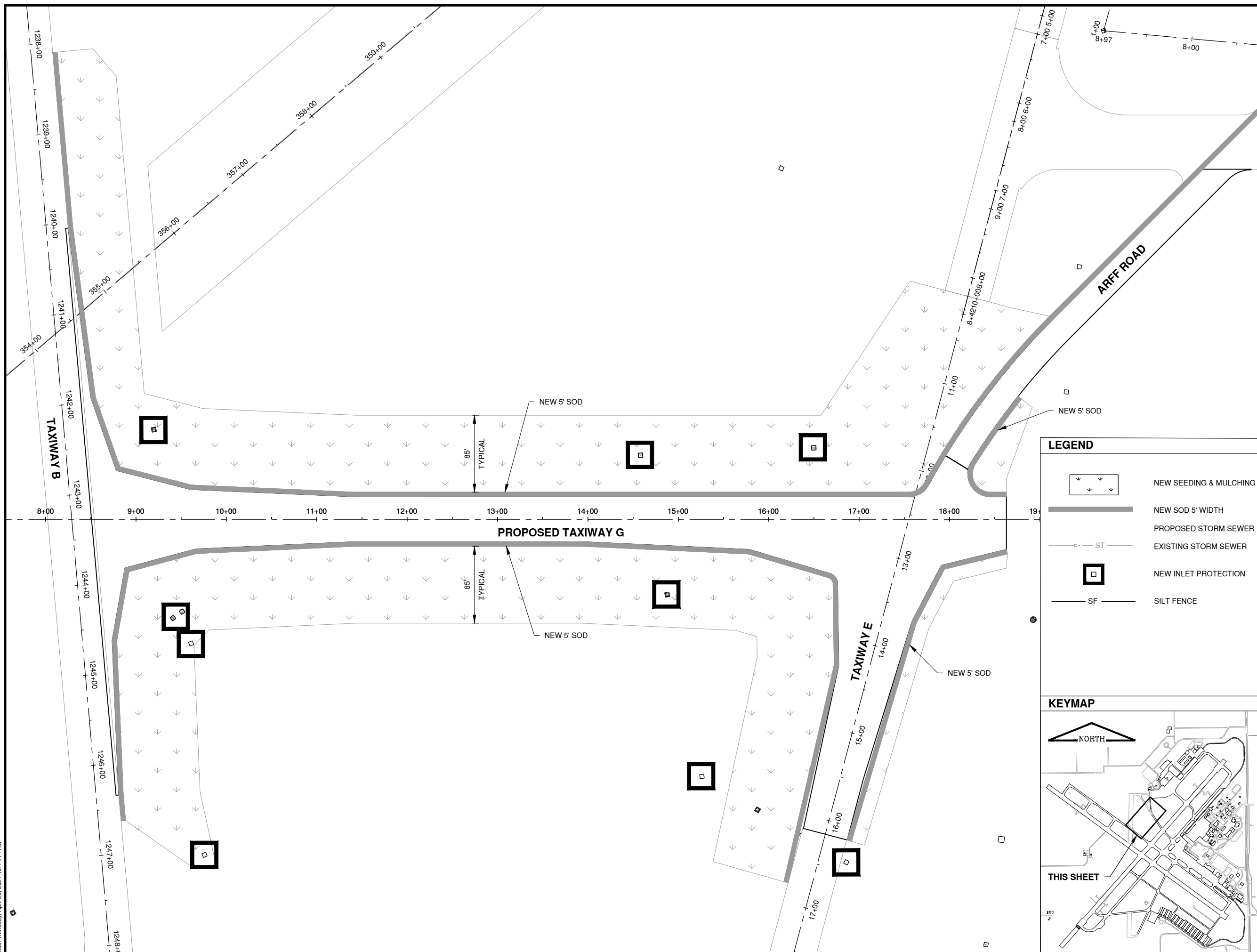
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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EROSION CONTROL & TURFING PLANS 2

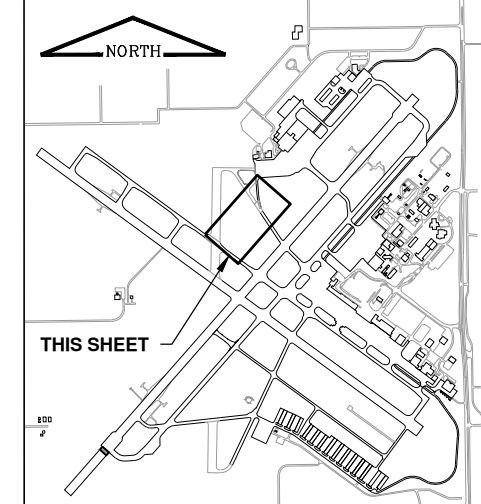
LG102
SHEET 76 OF 109



LEGEND

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

KEYMAP

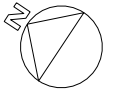


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0 50' 100'
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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

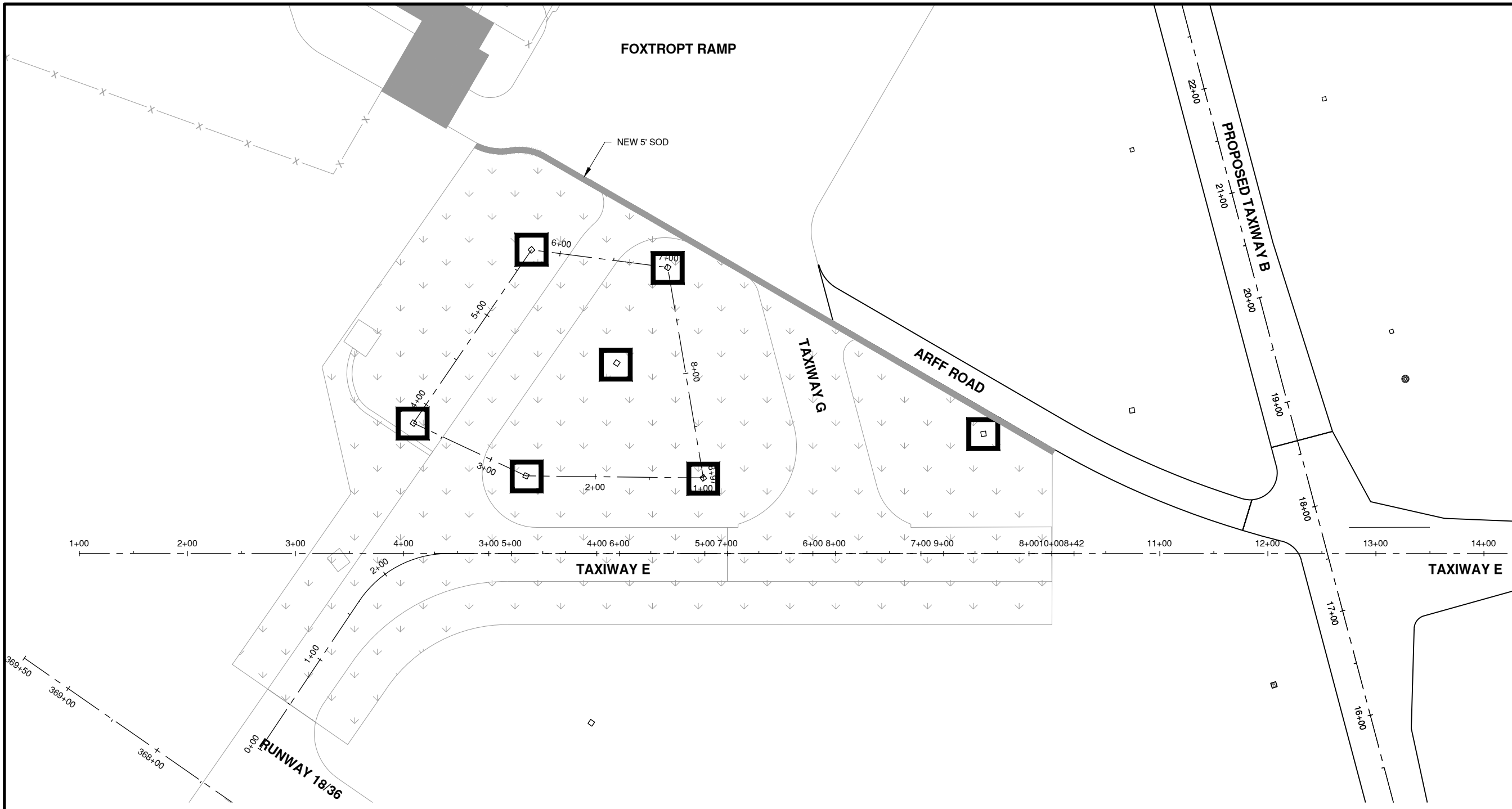


SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

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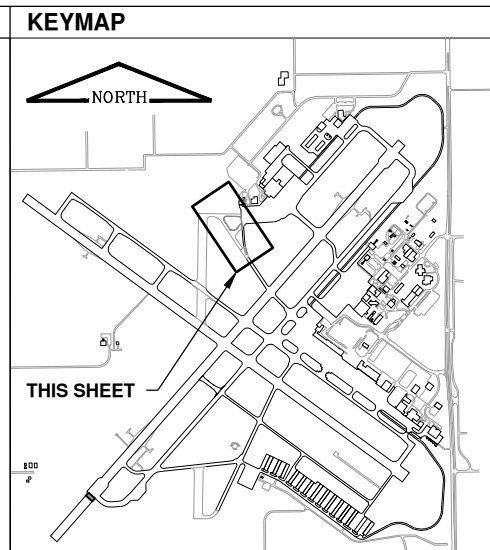
SHEET TITLE
EROSION CONTROL & TURFING PLANS 3

LG103
SHEET 77 OF 109



LEGEND

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





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CONSULTANTS



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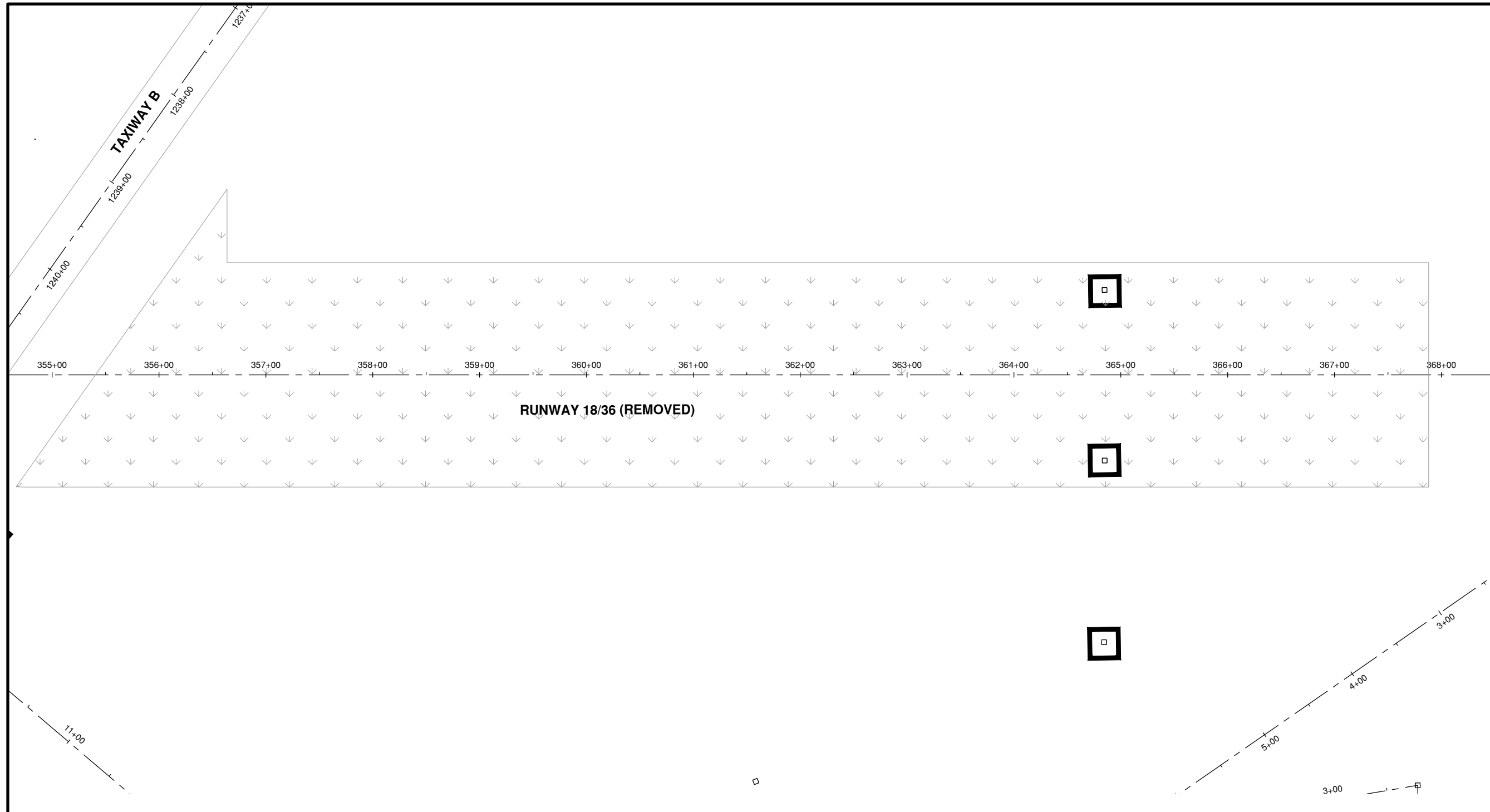
APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



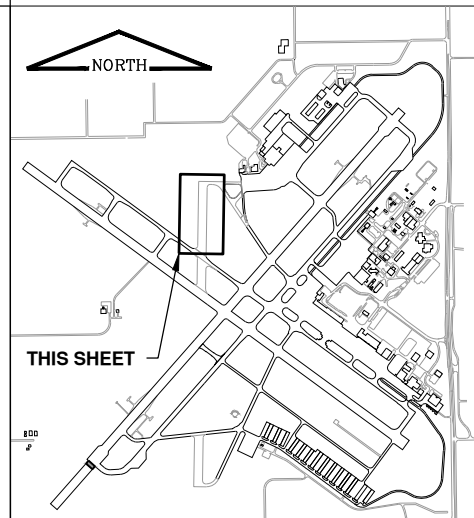
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL



LEGEND

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

KEYMAP



MARK	DATE	DESCRIPTION

EROSION CONTROL & TURFING PLANS 4

LG104

SHEET 78 OF 109

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0 50' 100'
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APRIL 30, 2021

**RUNWAY 18/36 REMOVAL AND
ASSOCIATED IMPROVEMENTS,
PHASE 2**

OWNER

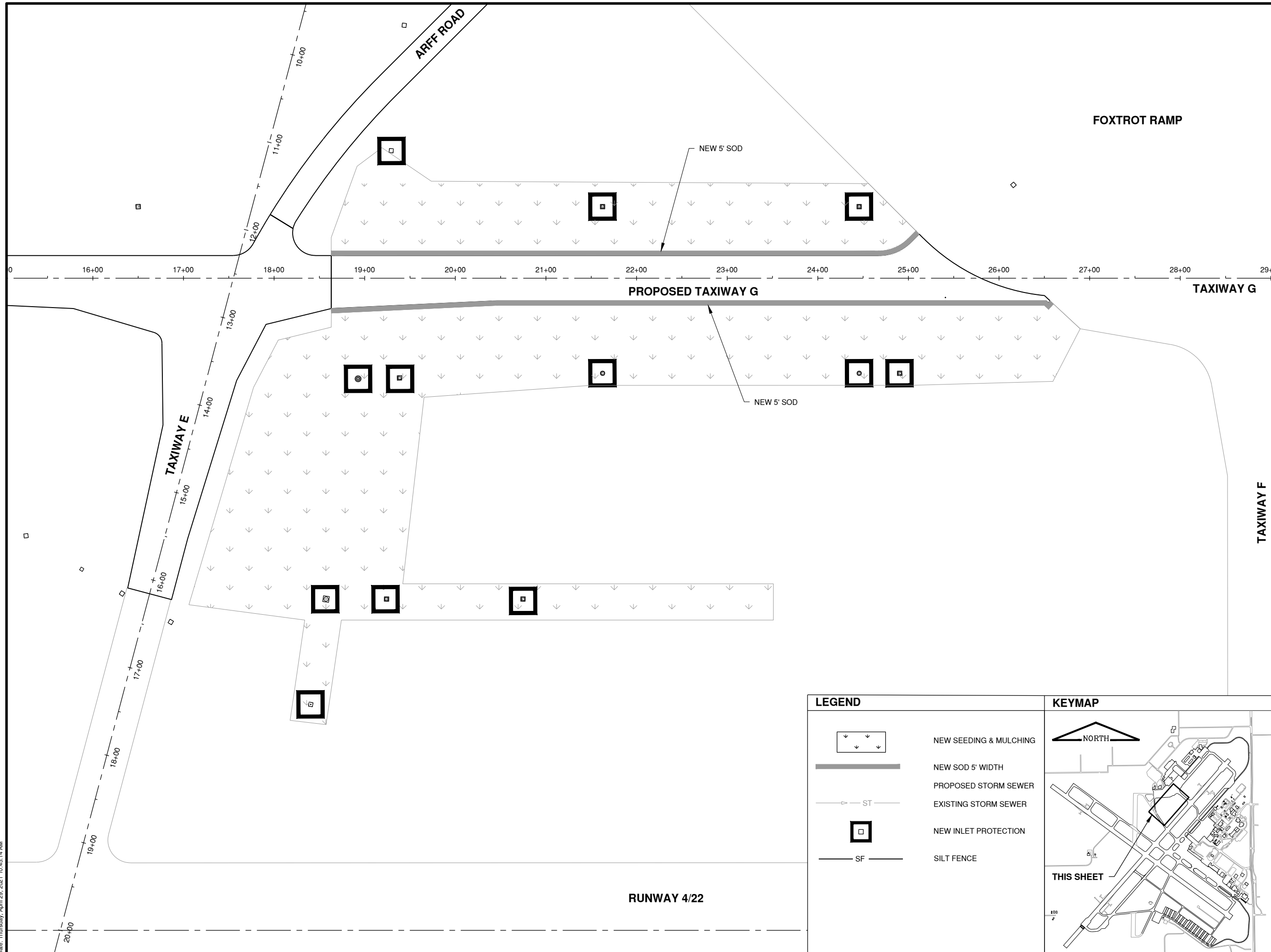


**SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL**

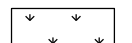




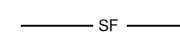
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**EROSION CONTROL &
TURFING PLANS 5**

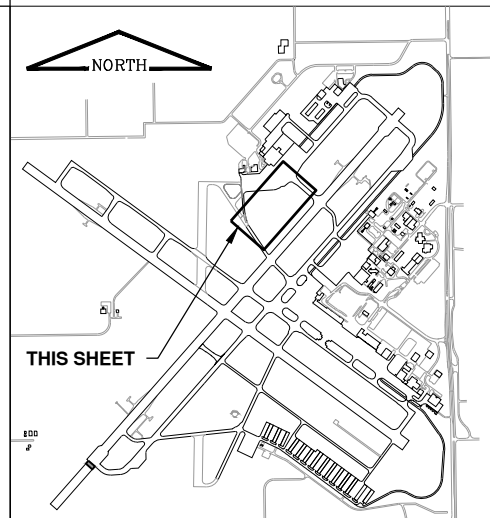
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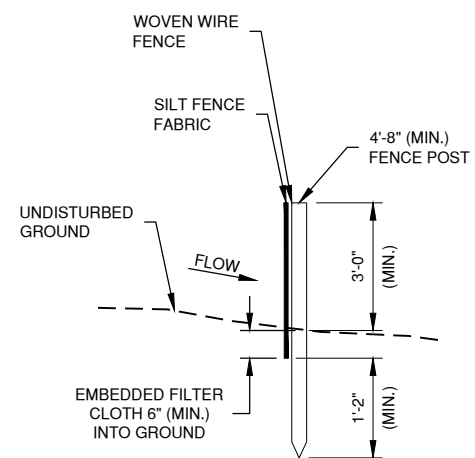


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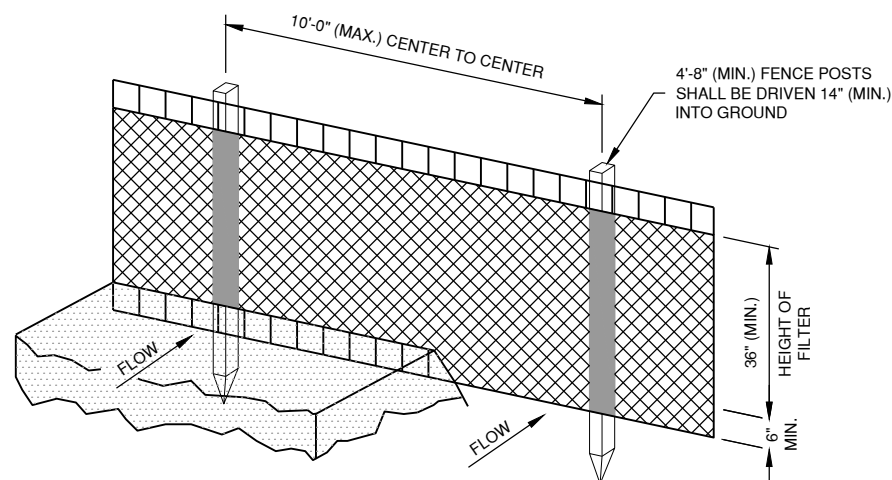
-  NEW SEEDING & MULCHING
-  NEW SOD 5' WIDTH
-  PROPOSED STORM SEWER
-  EXISTING STORM SEWER
-  NEW INLET PROTECTION
-  SILT FENCE

KEYMAP





SECTION

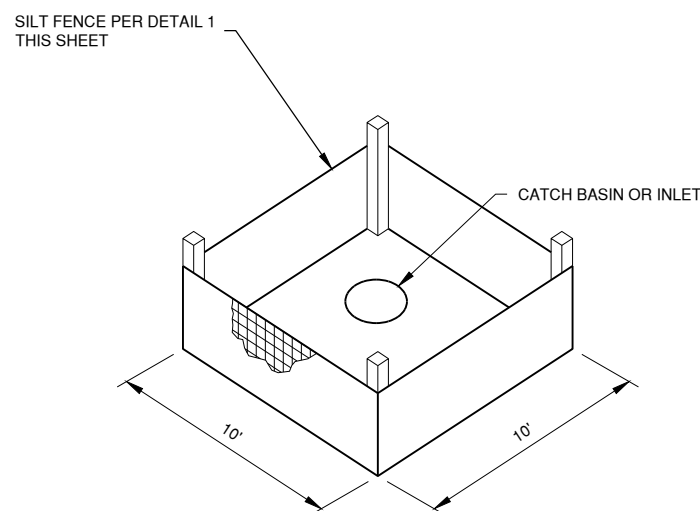


PERSPECTIVE VIEW

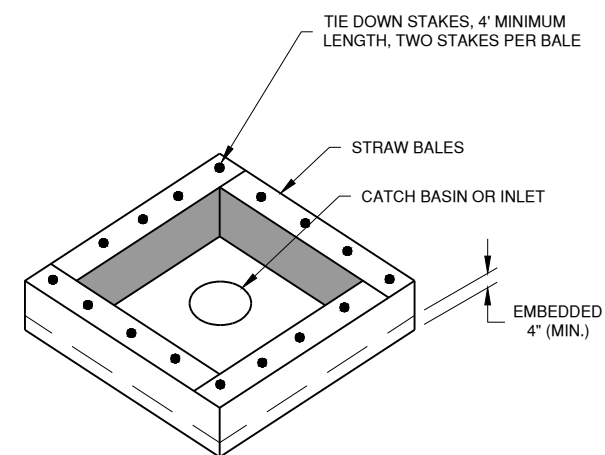
1 SILT FENCE
N.T.S.

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.



2 INLET PROTECTION WITH SILT FENCE
N.T.S.



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

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

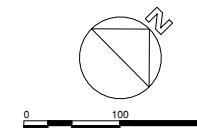
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IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-LG500.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
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SHEET TITLE
EROSION CONTROL DETAILS



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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



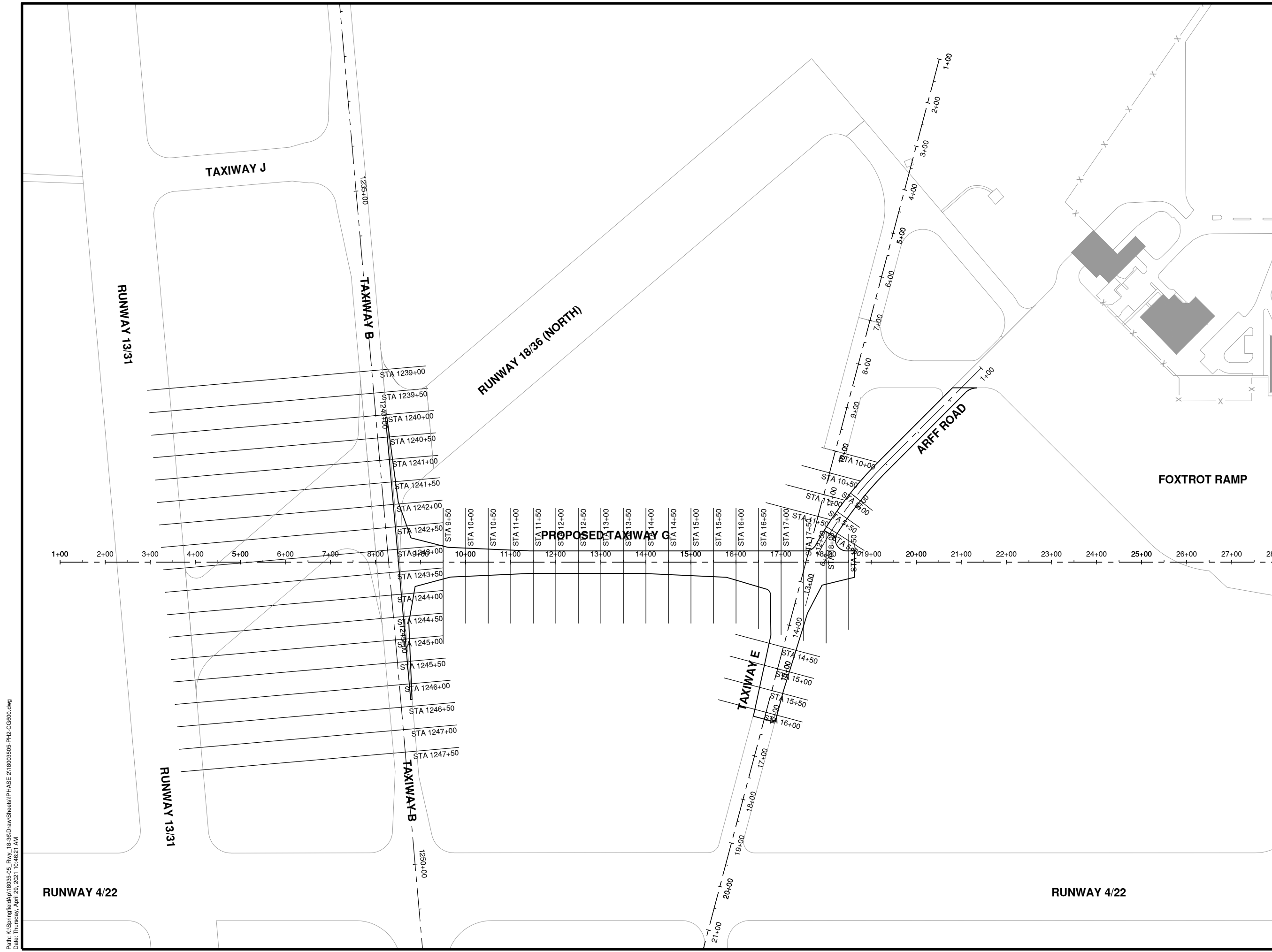
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ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK | DATE | DESCRIPTION

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IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CG600.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
APPROVED BY: APR	
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SHEET TITLE
**TAXIWAY G WEST
CROSS SECTION
INDEX**

CG600
SHEET 81 OF 109



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Date: Thursday, April 29, 2021 10:48:21 AM

RUNWAY 4/22

RUNWAY 4/22

RUNWAY 13/31

RUNWAY 13/31

RUNWAY 18/36 (NORTH)

TAXIWAY J

TAXIWAY B

PROPOSED TAXIWAY G

TAXIWAY E

ARFF ROAD

FOXTROT RAMP



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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX CA022

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CG600.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: CHK

APPROVED BY: APR

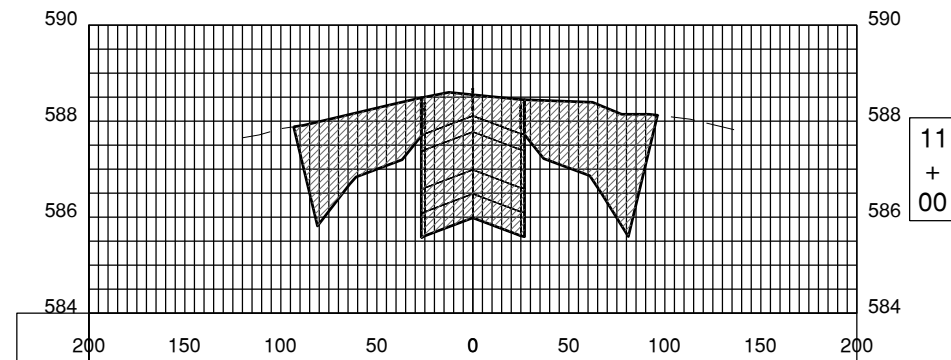
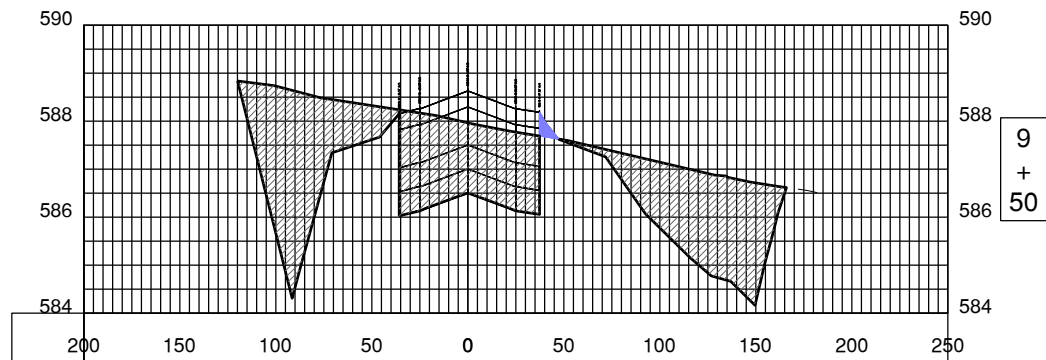
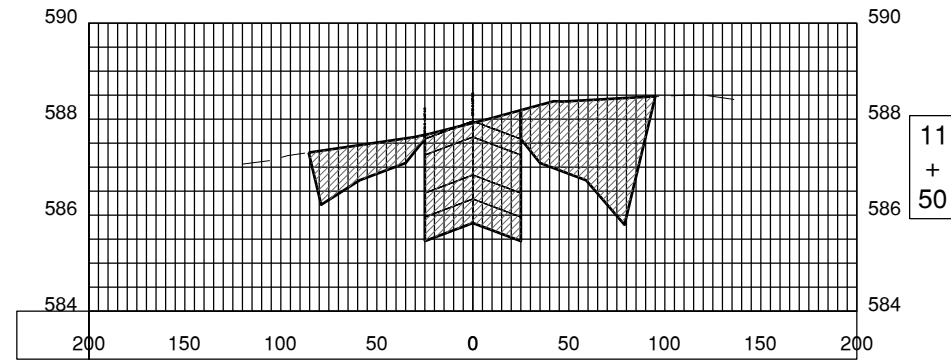
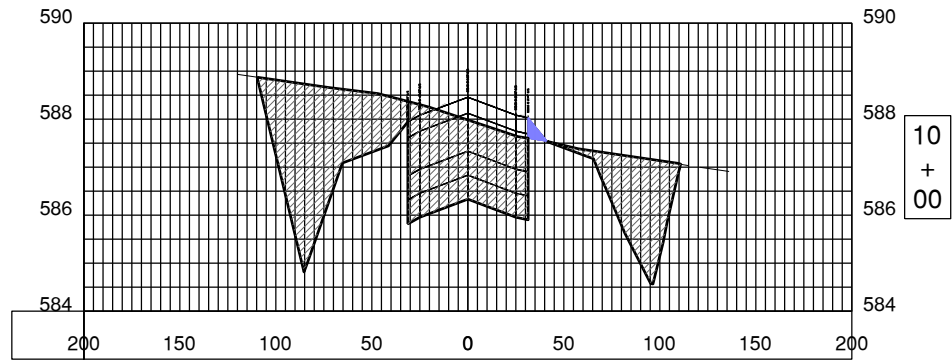
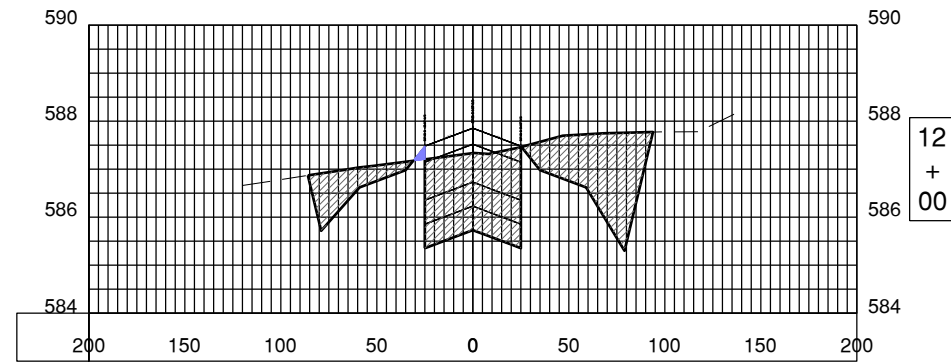
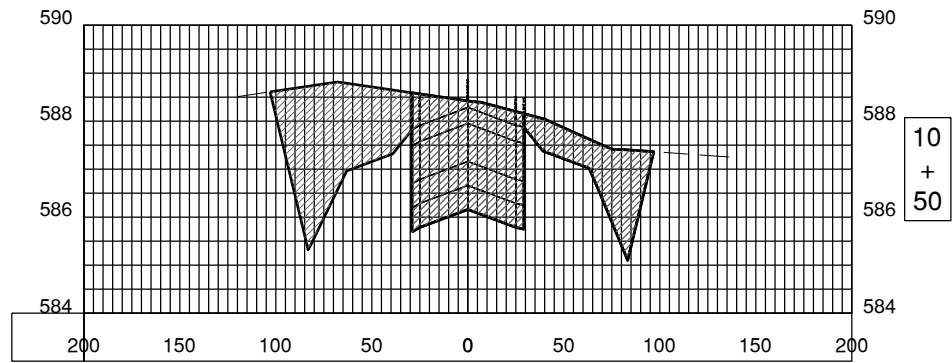
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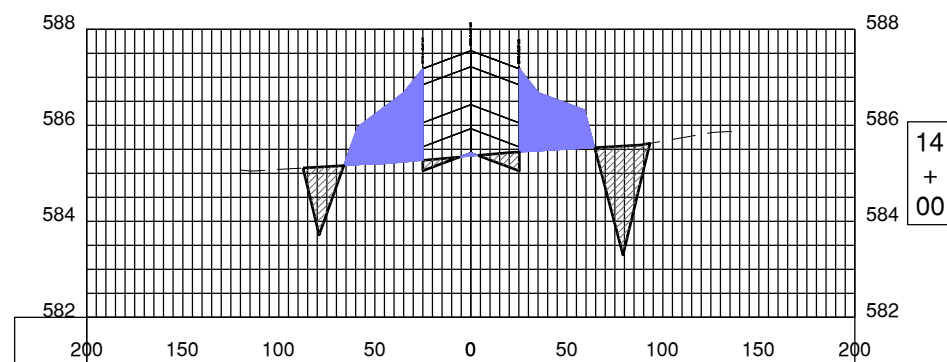
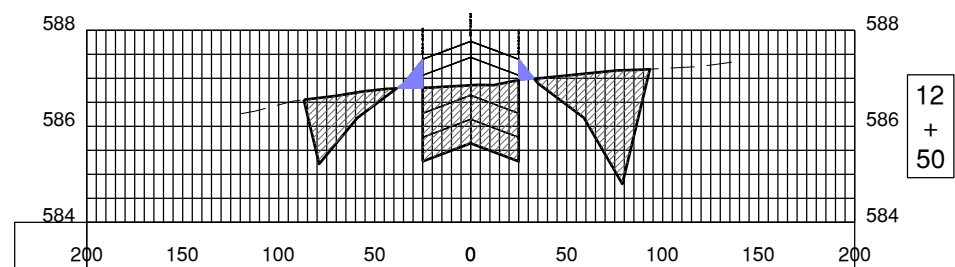
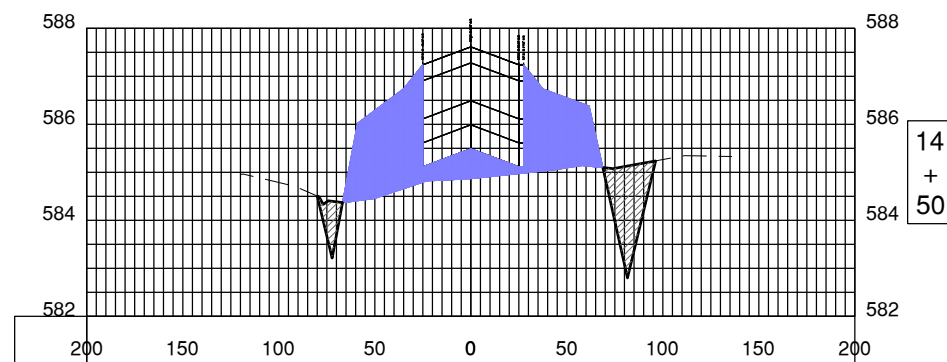
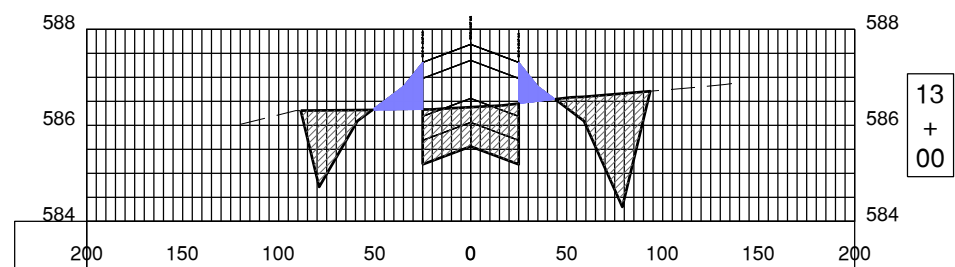
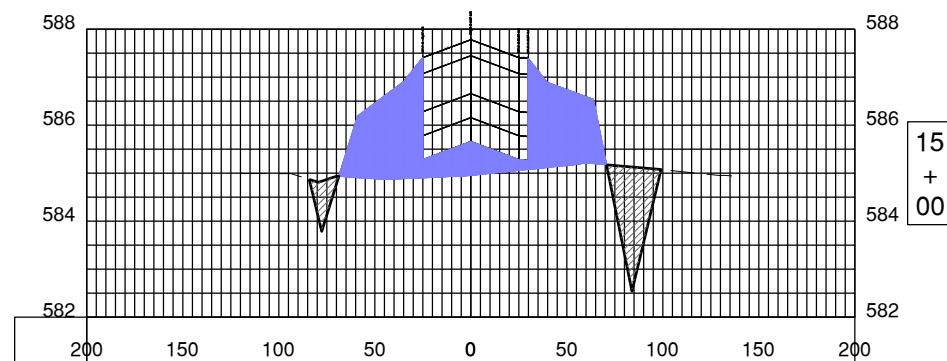
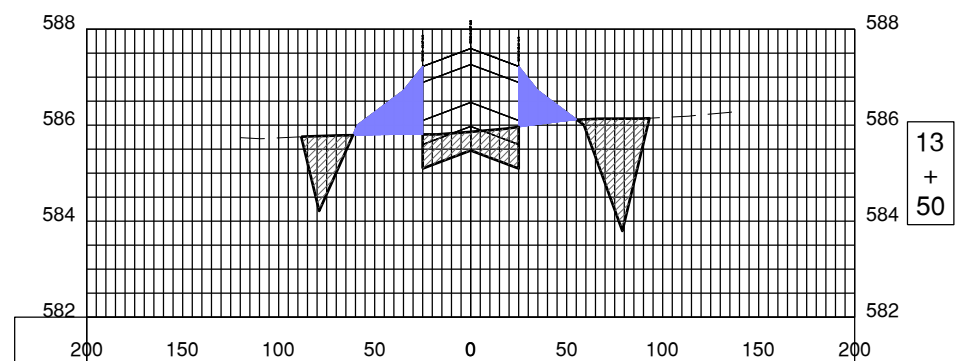
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TAXIWAY G WEST CROSS SECTIONS 1

CG601

SHEET 82 OF 109





APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
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AIP PROJ. NO:	3-17-0096-XX	CA022
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IL PROJ. NO:	SPI-4908
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CMT PROJECT NO:	180035-05
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CAD DWG FILE:	18003505-PH2-CG600.DWG
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DESIGNED BY:	HWI
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DRAWN BY:	DPA
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CHECKED BY:	CHK
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APPROVED BY:	APR
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SHEET TITLE

TAXIWAY G WEST
CROSS SECTIONS 2

CG602
SHEET 83 OF 109

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

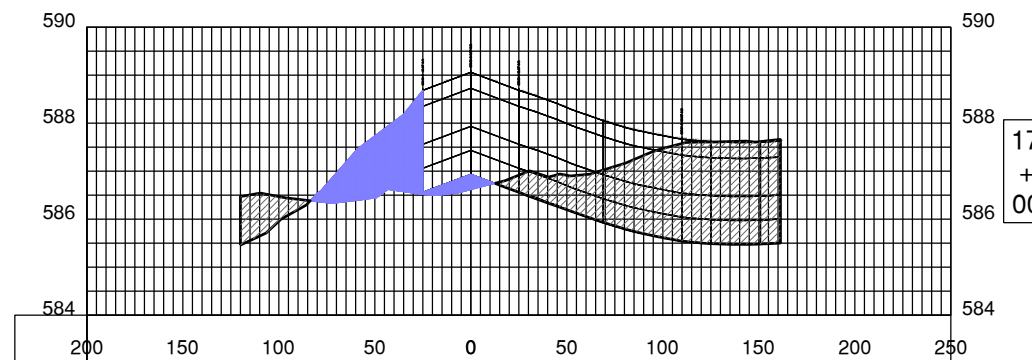
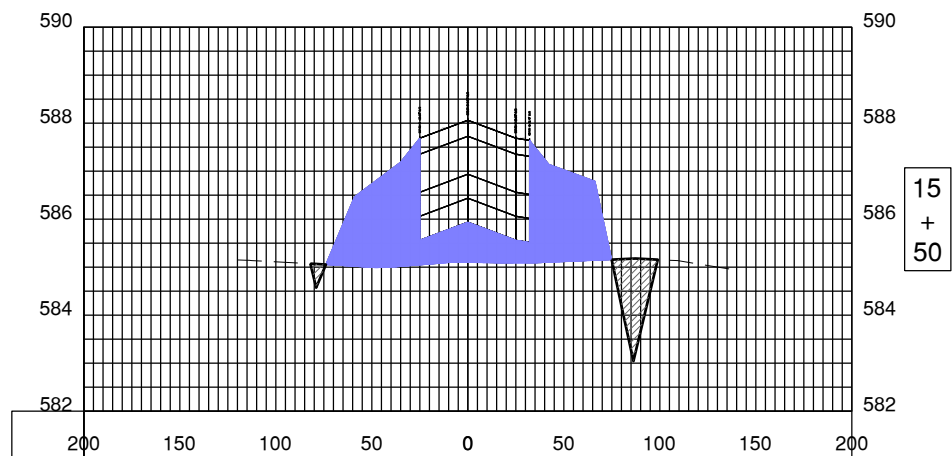
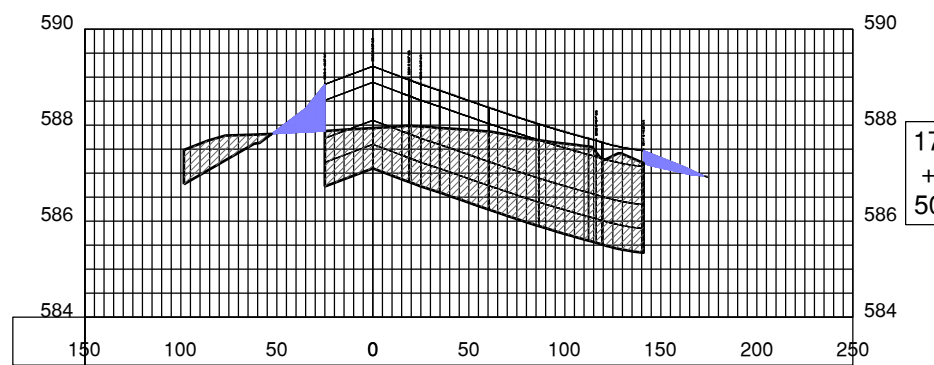
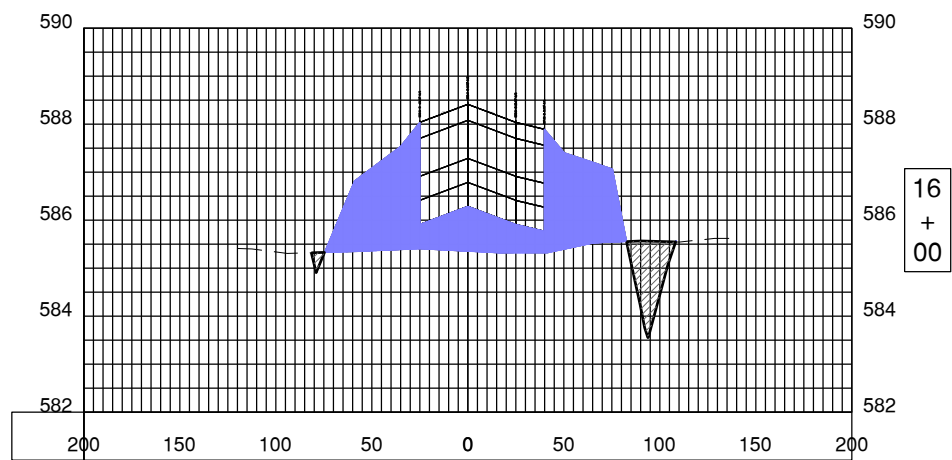
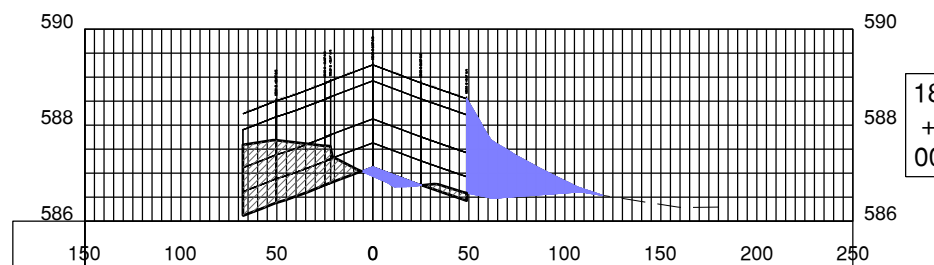
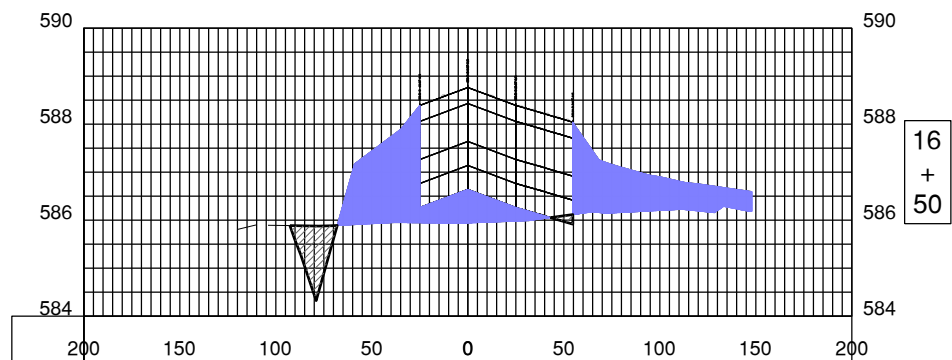
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**SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL**

MARK	DATE	DESCRIPTION
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IL PROJ. NO:	SPI-4908	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH2-CG600.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	CHK	
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**TAXIWAY G WEST
CROSS SECTIONS 3**



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Date: Thursday, April 29, 2021 10:46:54 AM



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RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

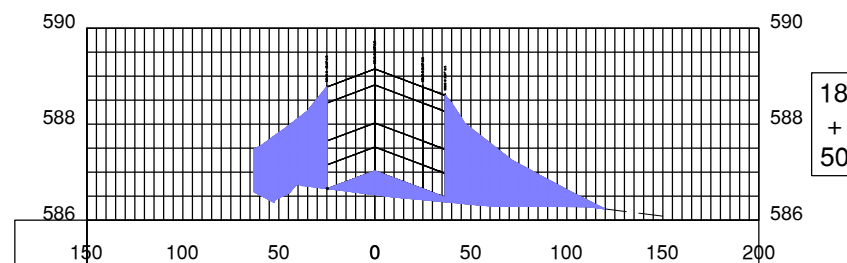
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DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
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COPYRIGHT:	

TAXIWAY G WEST CROSS SECTIONS 4

CG604
SHEET 85 OF 109

TX Y G STATION	TAXIWAY G WEST EARTHWORK					
	FILL			CUT (IN-SITU)		
	AREA (SF)	VOL (CY)	CUM VOL (CY)	AREA (SF)	VOL (CY)	CUM VOL (CY)
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10+50.00	0	0	10	566.5	1050	2458
11+00.00	0	0	10	348.6	646	3104
11+50.00	0	0	10	270.1	501	3605
12+00.00	0.9	2	12	199.9	371	3976
12+50.00	5.6	11	23	166.9	310	4286
13+00.00	19	36	59	130.4	242	4528
13+50.00	43.5	81	140	94	175	4703
14+00.00	90.3	168	308	55.4	103	4806
14+50.00	159.6	296	604	40.5	75	4881
15+00.00	161.7	300	904	46.1	86	4967
15+50.00	194.9	361	1265	28.4	53	5020
16+00.00	203	376	1641	28	52	5072
16+50.00	172.2	319	1960	20.6	39	5111
17+00.00	73.7	137	2097	234.9	435	5546
17+50.00	17.5	33	2130	277.8	515	6061
18+00.00	56	104	2234	62.8	117	6178
18+50.00	150.1	278	2512	0	0	6178





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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

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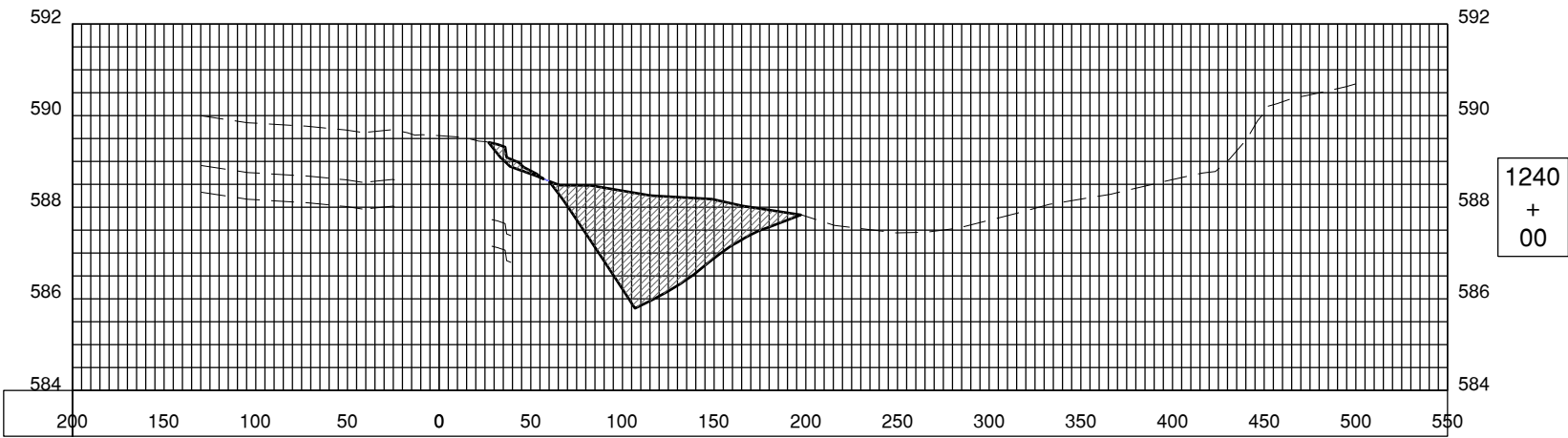
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AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

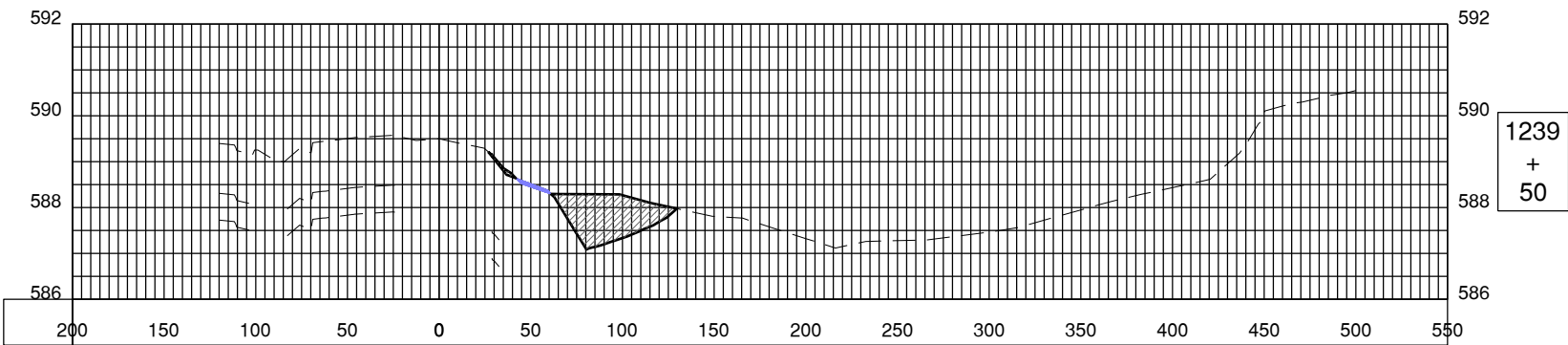
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IL PROJ. NO:	SPI-4908	
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DESIGNED BY:	HWI	
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SHEET TITLE
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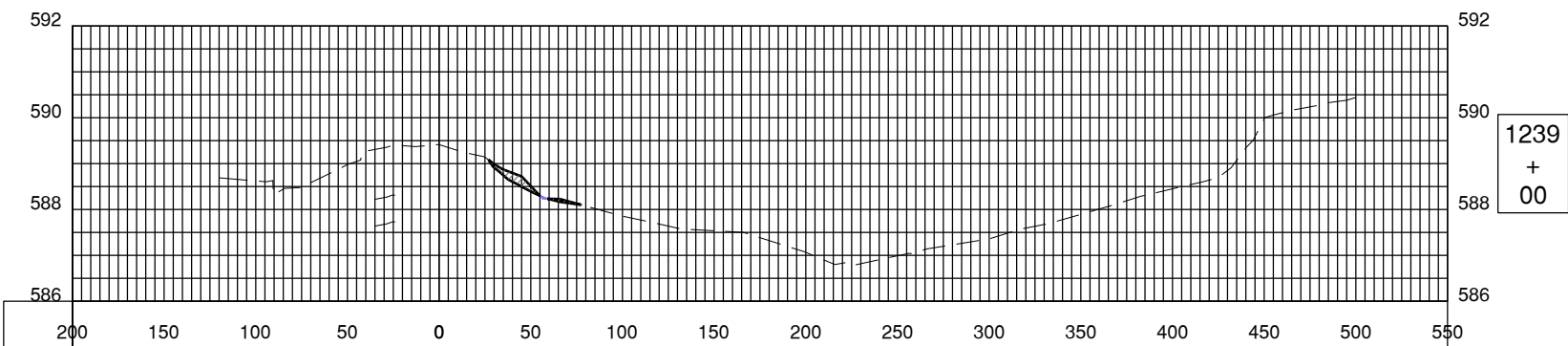
CG605
SHEET 86 OF 109



1240
+
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1239
+
50



1239
+
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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT
AUTHORITY
ABRAHAM LINCOLN CAPITAL
AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CG600.DWG

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DRAWN BY: DPA

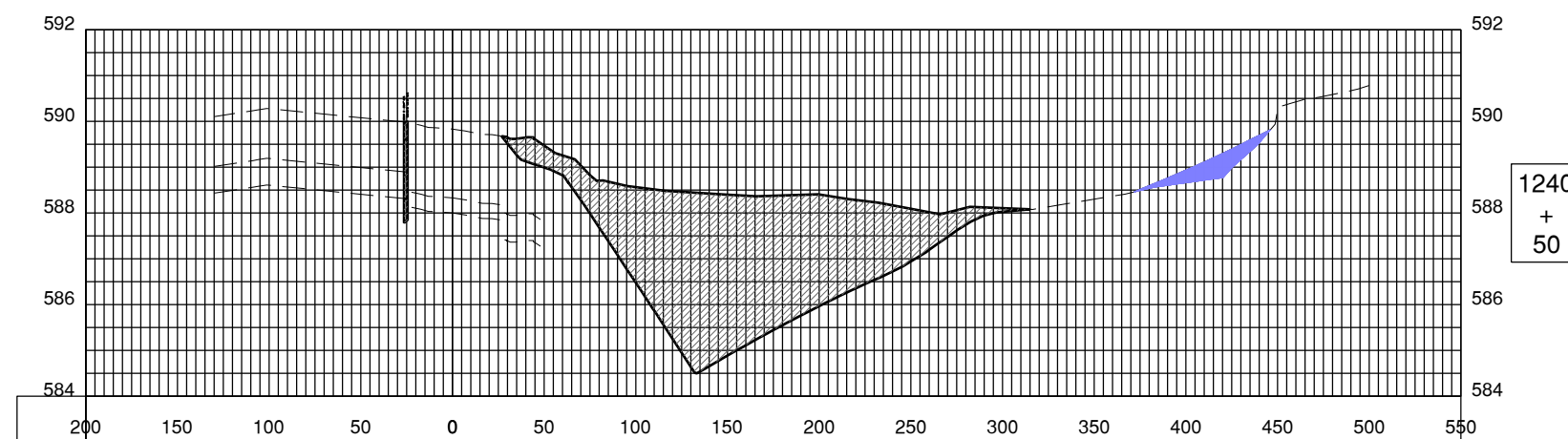
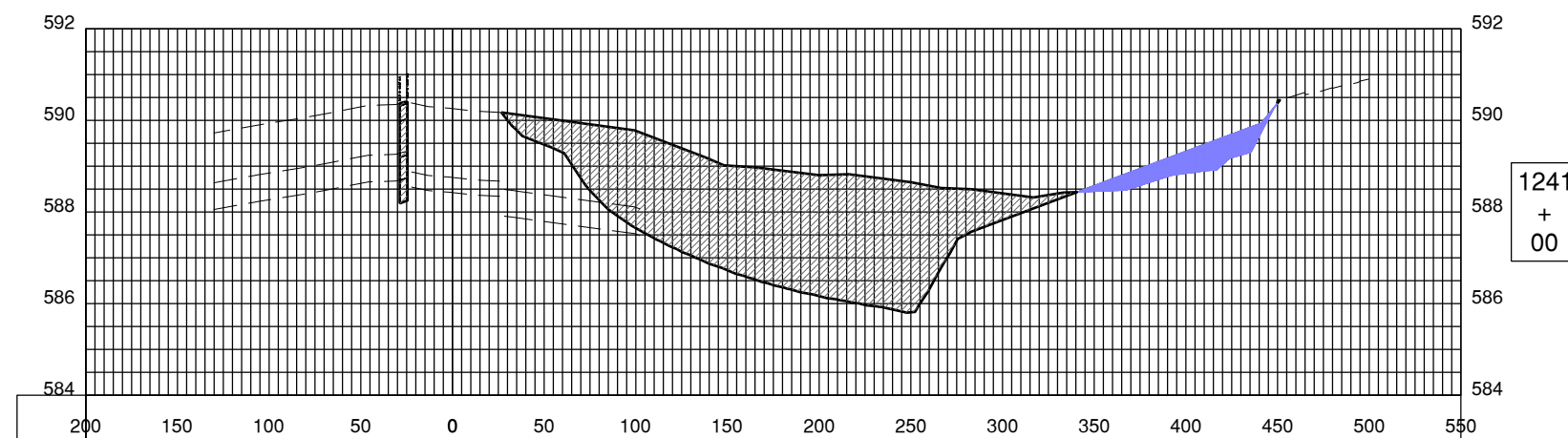
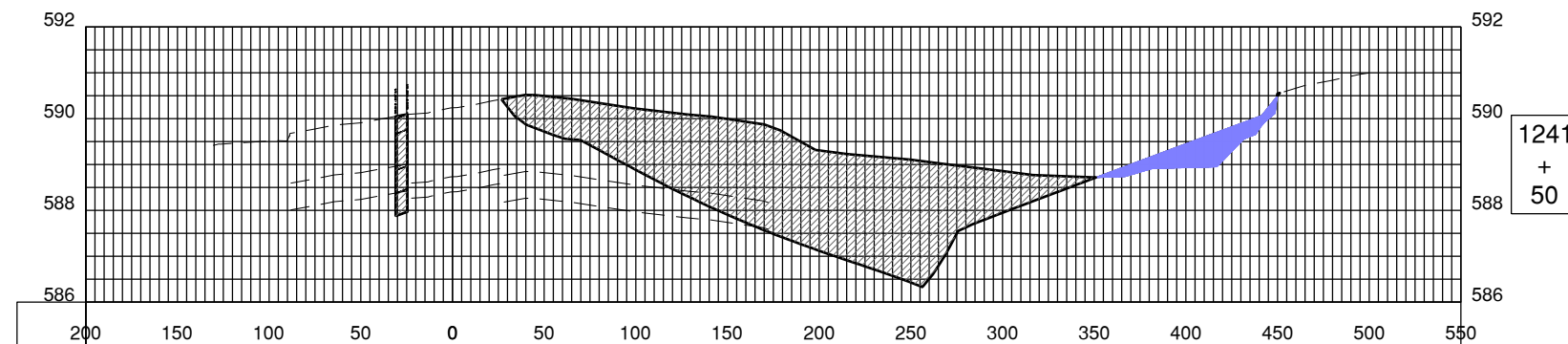
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TAXIWAY B CROSS SECTIONS 2

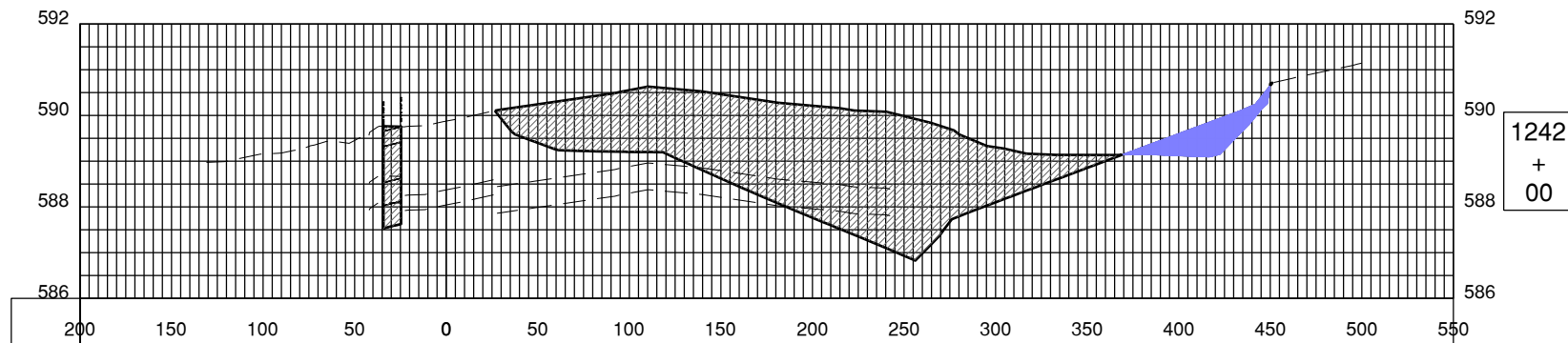
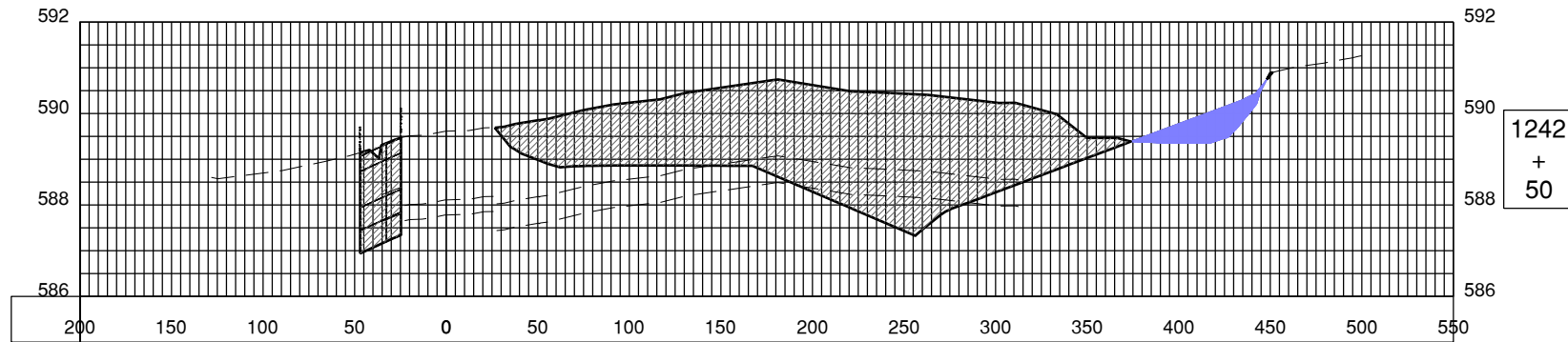
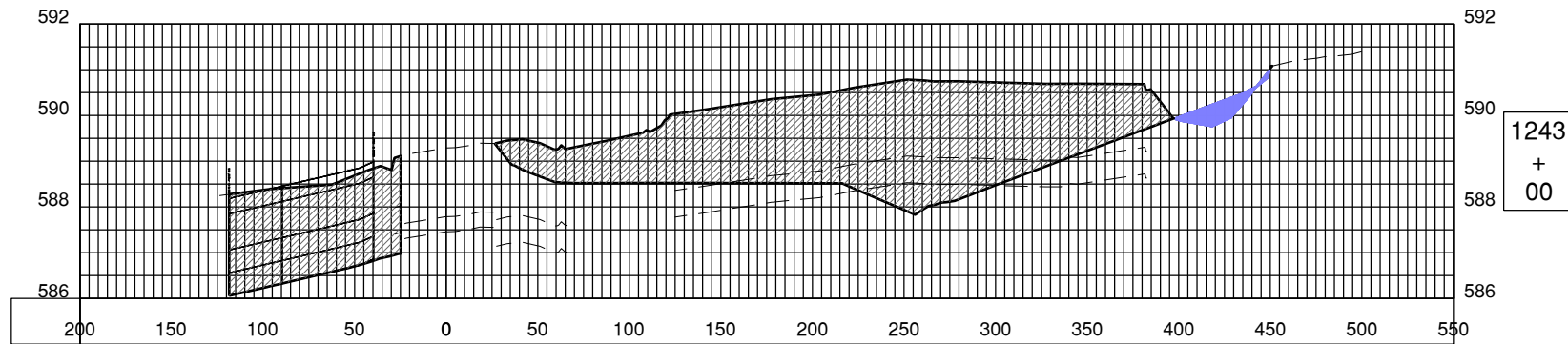
CG606
SHEET 87 OF 109





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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



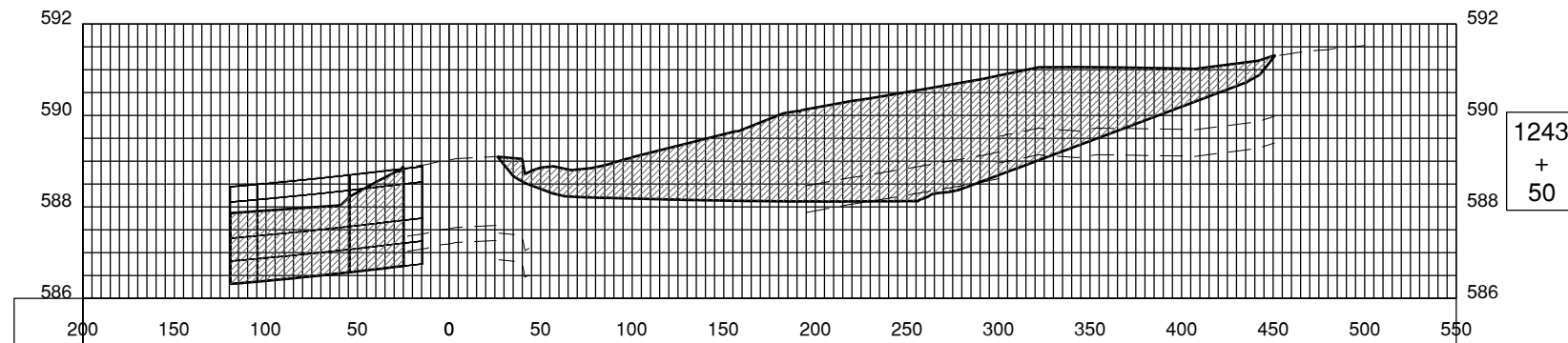
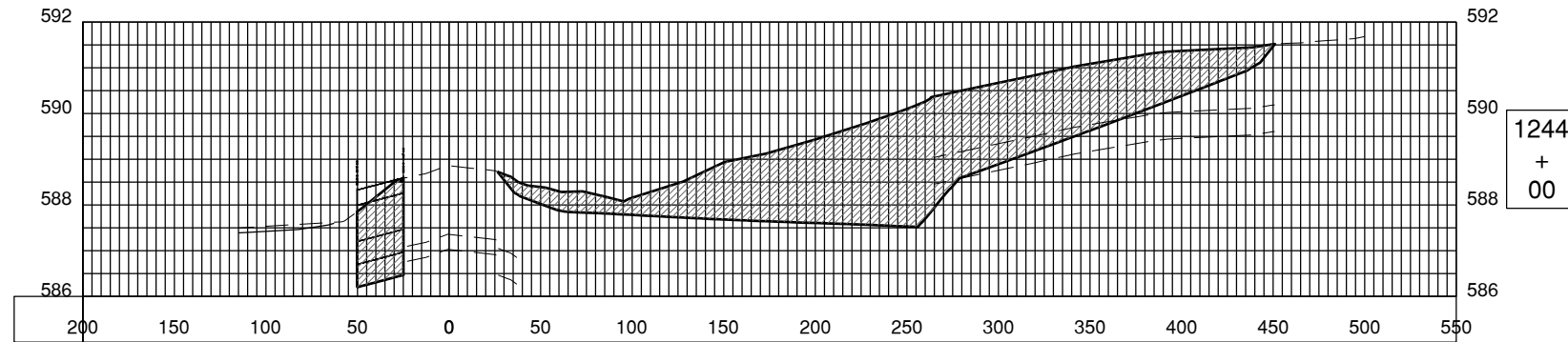
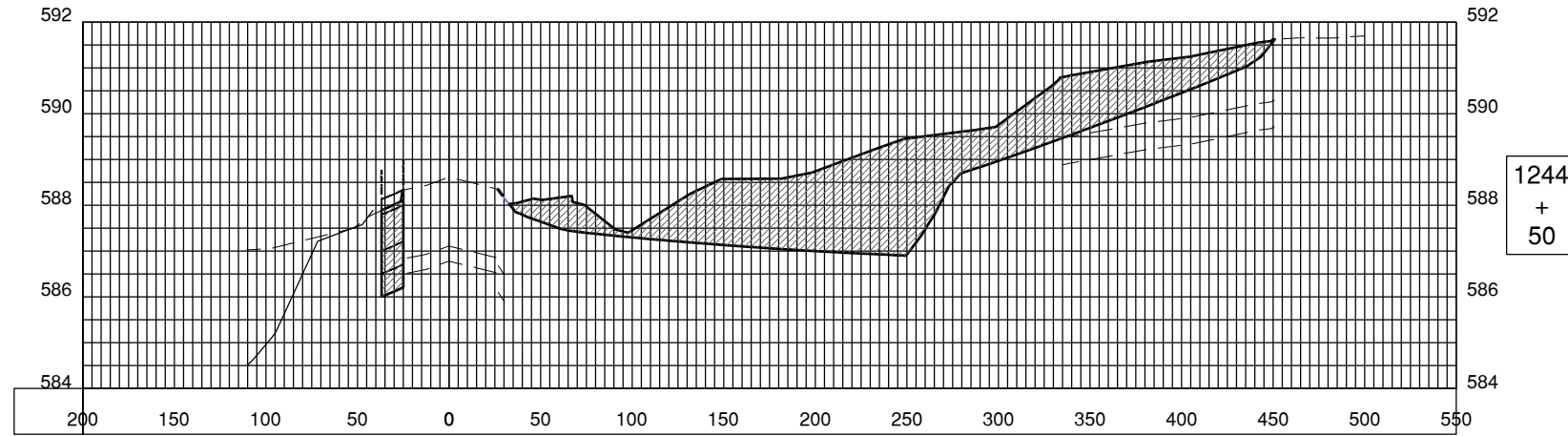
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CG600.DWG	
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TAXIWAY B CROSS SECTIONS 3

CG607
SHEET 88 OF 109



APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

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SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CG600.DWG	
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TAXIWAY B CROSS SECTIONS 4



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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

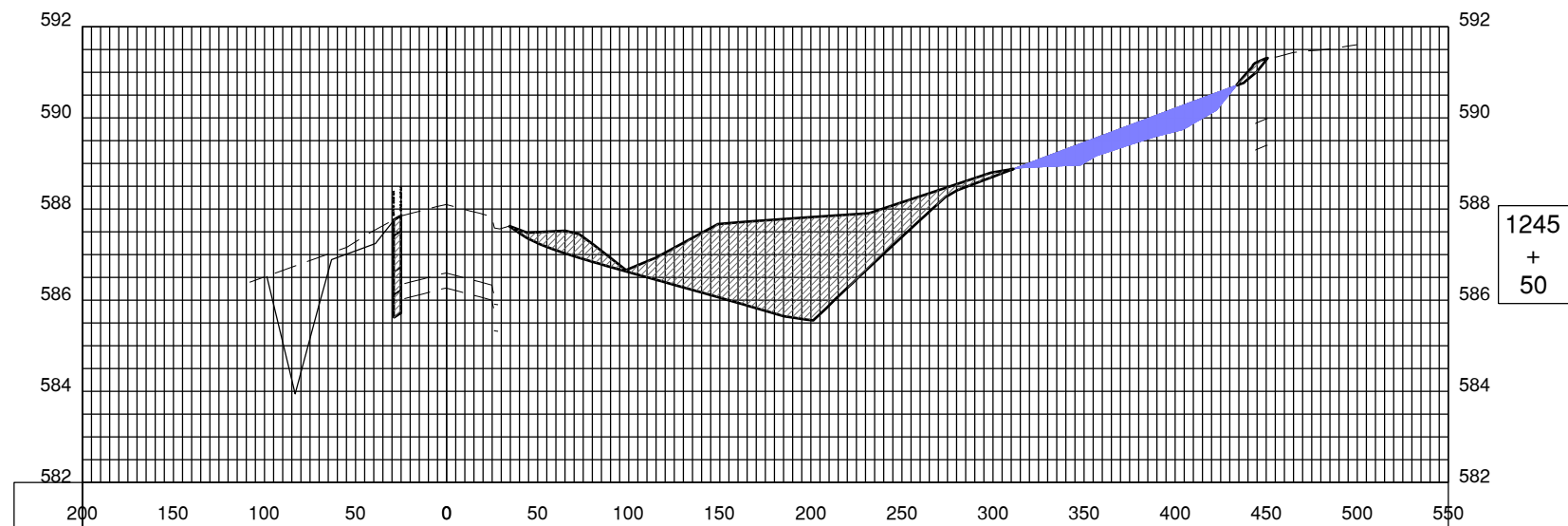


SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

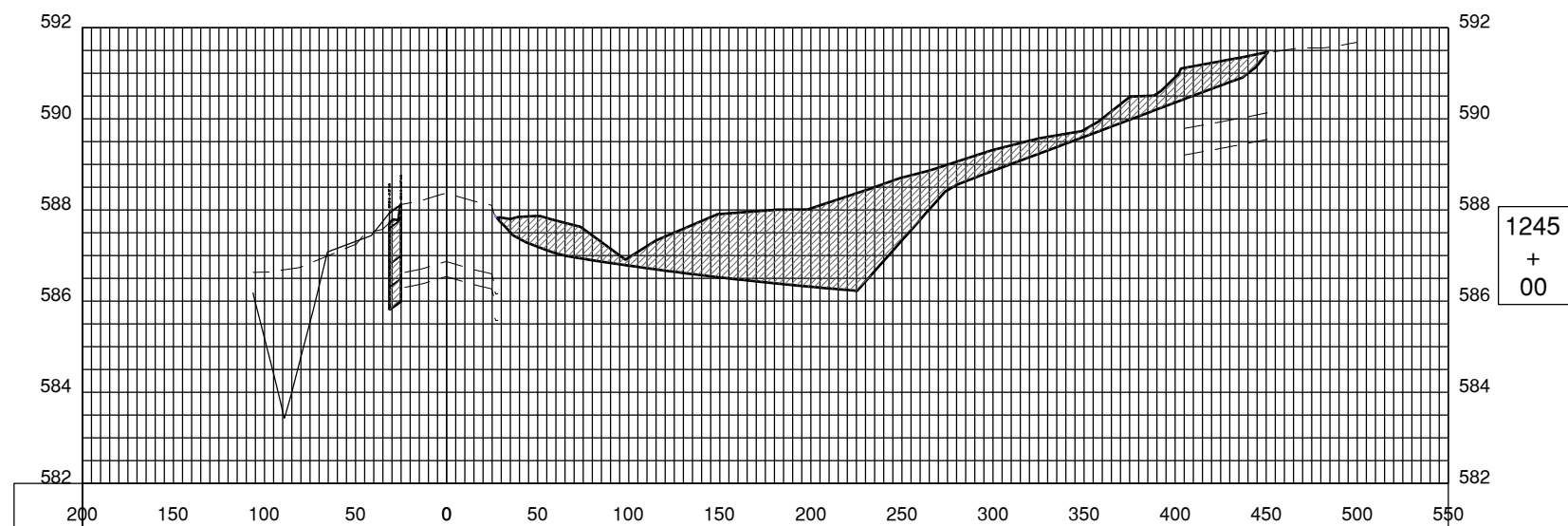
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DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	CHK	
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TAXIWAY B CROSS SECTIONS 5

CG609
SHEET 90 OF 109



1245
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50



1245
+
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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CG600.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: CHK

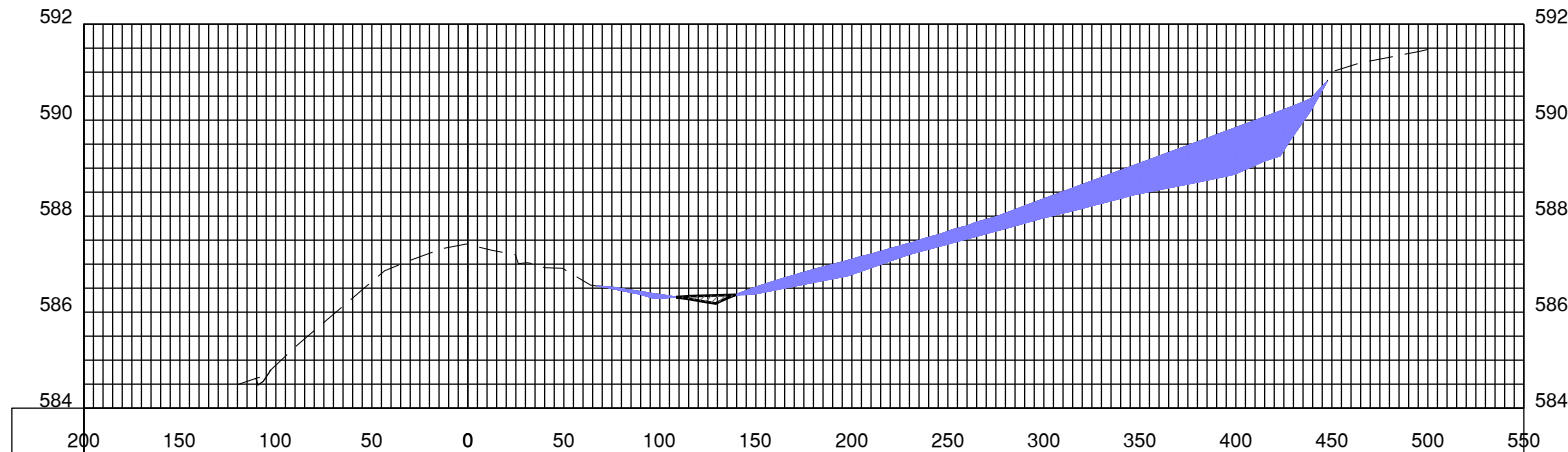
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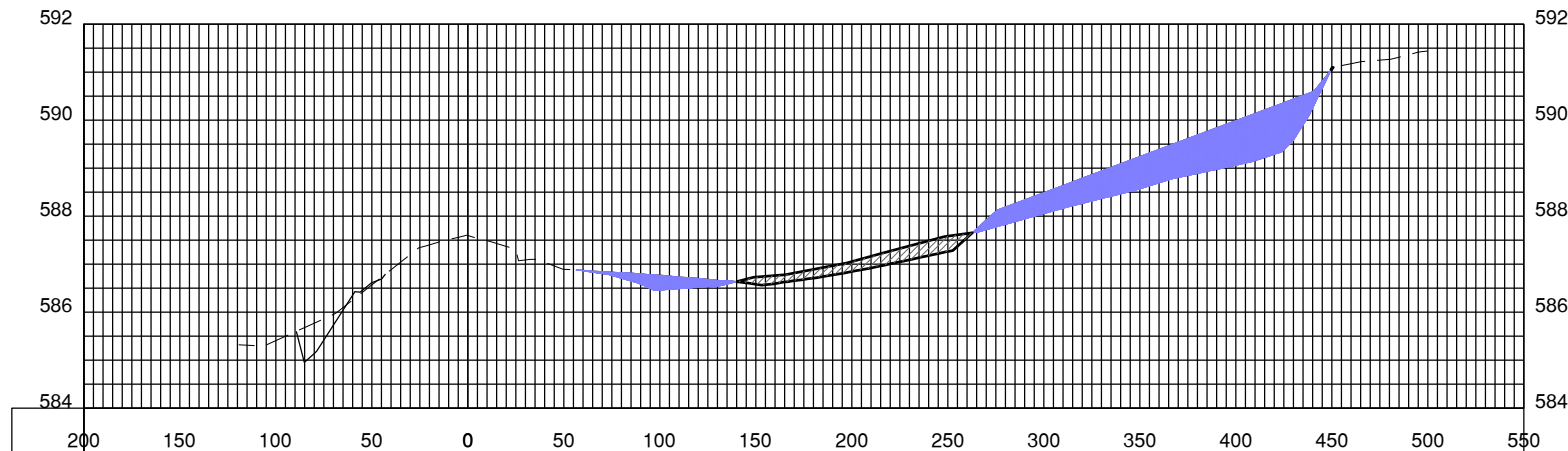
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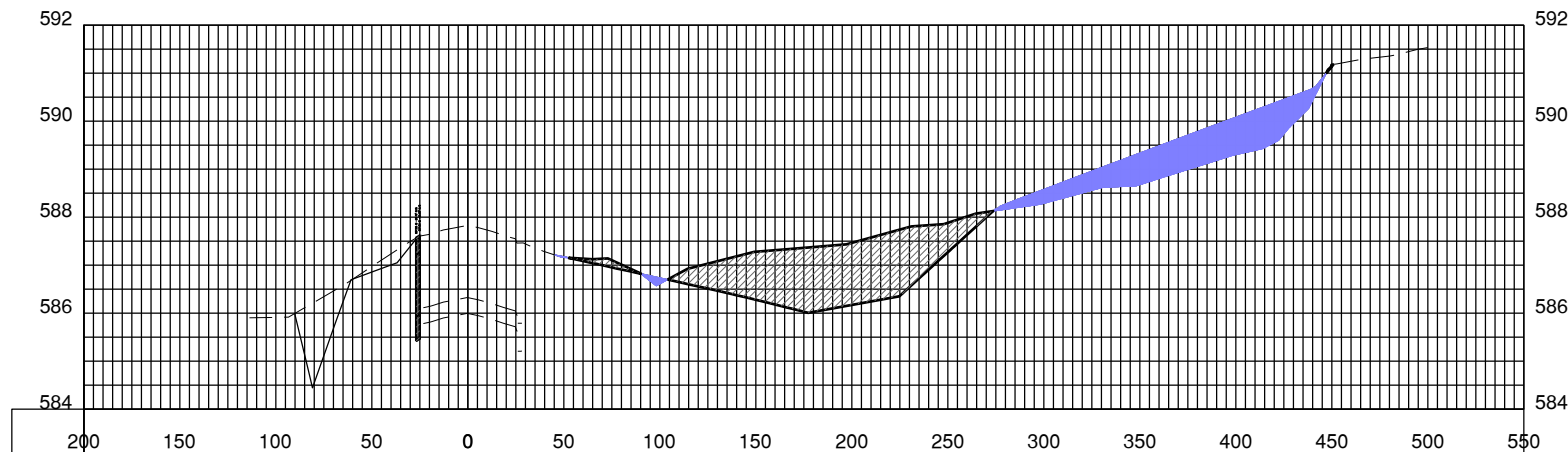
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1246 + 50



1246 + 00

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TXY B STATION	TAXIWAY B EARTHWORK					
	FILL			CUT (IN-SITU)		
	AREA (SF)	VOL (CY)	CUM VOL (CY)	AREA (SF)	VOL (CY)	CUM VOL (CY)
1239+00.00	0.1	1	1	4.3	8	8
1239+50.00	1.2	3	4	49.7	93	101
1240+00.00	0	0	4	176.7	328	429
1240+50.00	19.2	36	40	504.1	934	1363
1241+00.00	41.8	78	118	560.4	1038	2401
1241+50.00	37.9	71	189	518.5	961	3362
1242+00.00	35.6	66	255	573.9	1063	4425
1242+50.00	30.8	58	313	645.2	1195	5620
1243+00.00	15	28	341	813.1	1506	7126
1243+50.00	0	0	341	777.4	1440	8566
1244+00.00	0	0	341	597.2	1106	9672
1244+50.00	0.1	1	342	492.4	912	10584
1245+00.00	0	0	342	365.7	678	11262
1245+50.00	45	84	426	265.6	492	11754
1246+00.00	94.9	176	602	164.9	306	12060
1246+50.00	130.8	243	845	26.6	50	12110
1247+00.00	144.9	269	1114	2.7	5	12115
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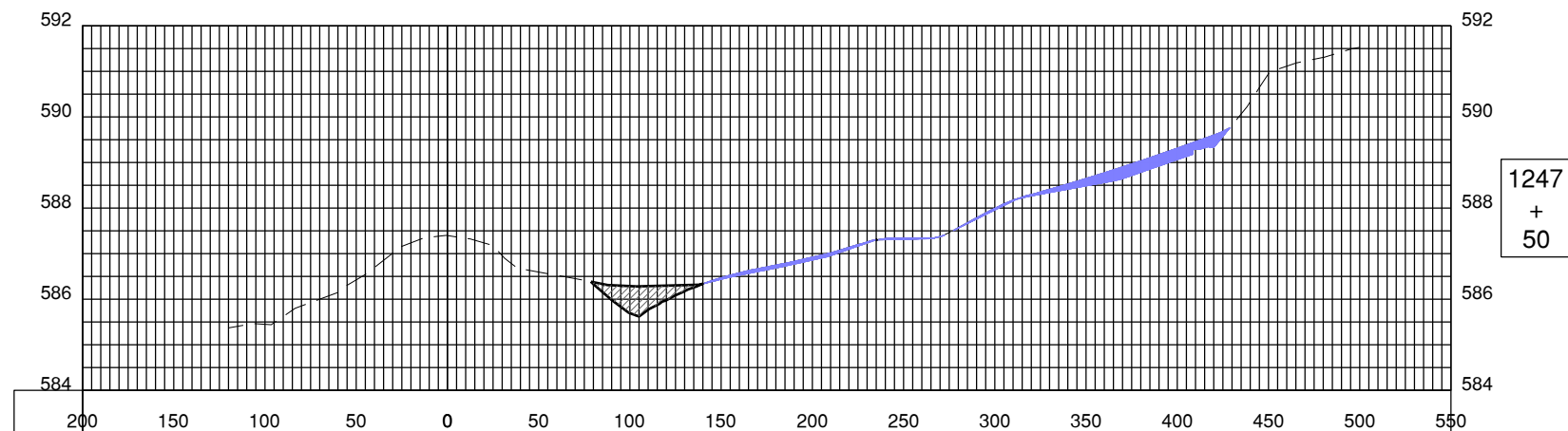
APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
 ABRAHAM LINCOLN CAPITAL AIRPORT
 SPRINGFIELD, IL



MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA022
IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CG600.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
APPROVED BY: APR	
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SHEET TITLE
TAXIWAY B CROSS SECTIONS 7

SHEET 92 OF 109 CG611

TXV E STATION	TAXIWAY E REMOVAL EARTHWORK					
	FILL			CUT (IN-SITU)		
	AREA (SF)	VOL (CY)	CUM VOL (CY)	AREA (SF)	VOL (CY)	CUM VOL (CY)
10+00.00	45.8	85	85	0	0	0
10+50.00	26	49	134	105.9	197	197
11+00.00	55.4	103	237	129.3	240	437
11+50.00	58.8	109	346	111.8	208	645



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CONSULTANTS

APRIL 30, 2021

**RUNWAY 18/36 REMOVAL AND
ASSOCIATED IMPROVEMENTS,
PHASE 2**

OWNER



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

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA022
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IL PROJ. NO: SPI-4908	
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CMT PROJECT NO: 180035-05	
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CAD DWG FILE: 18003505-PH2-CG600.DWG	
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DESIGNED BY: HWI	
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DRAWN BY: DPA	
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CHECKED BY: CHK	
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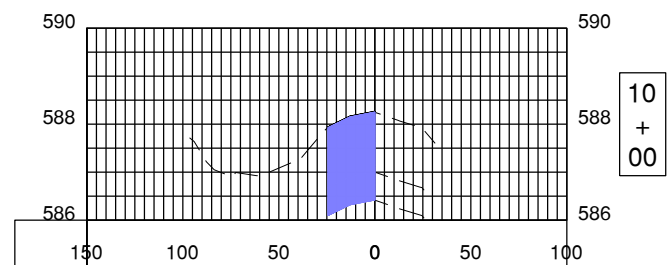
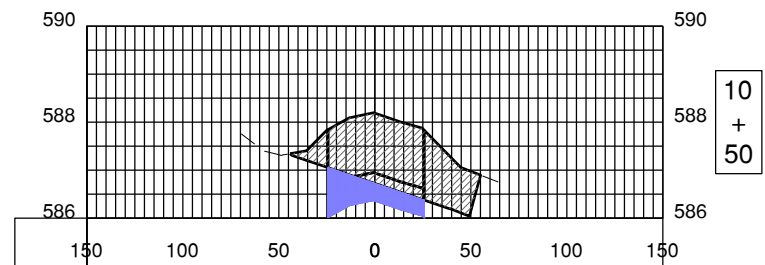
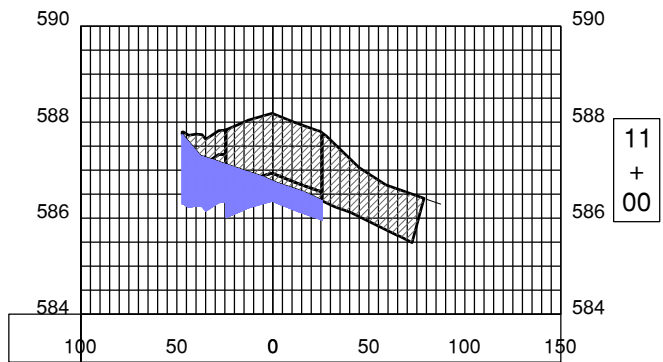
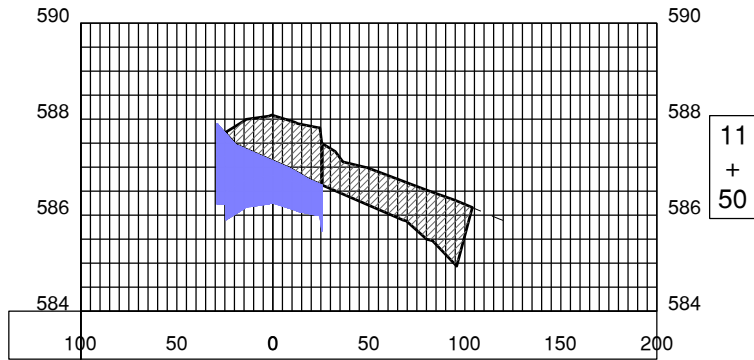
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SHEET TITLE	
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**TAXIWAY E
REMOVALS CROSS
SECTIONS**

CG612	
SHEET 93	OF 109



TX/E STATION	RECONSTRUCT TAXIWAY E EARTHWORK					
	FILL			CUT (IN-SITU)		
	AREA (SF)	VOL (CY)	CUM VOL (CY)	AREA (SF)	VOL (CY)	CUM VOL (CY)
14+50.00	12.2	23	23	38.5	72	72
15+00.00	4.7	9	32	51	95	167
15+50.00	2.9	6	38	67.8	126	293
16+00.00	2.6	5	43	82.8	154	447



License No. 184-000613

CONSULTANTS

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



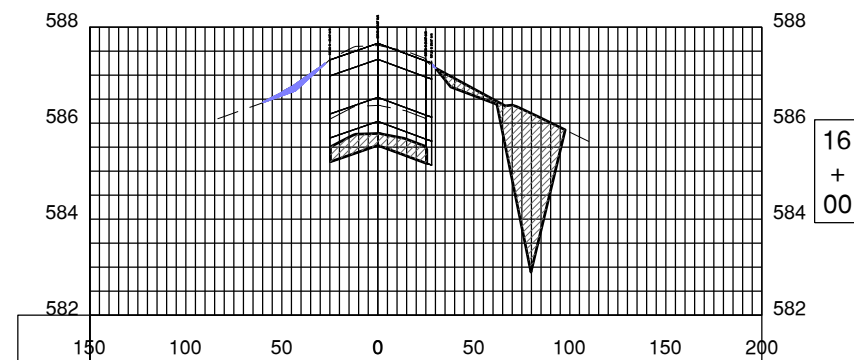
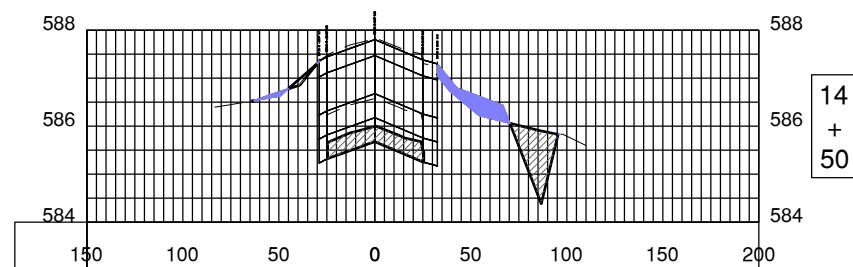
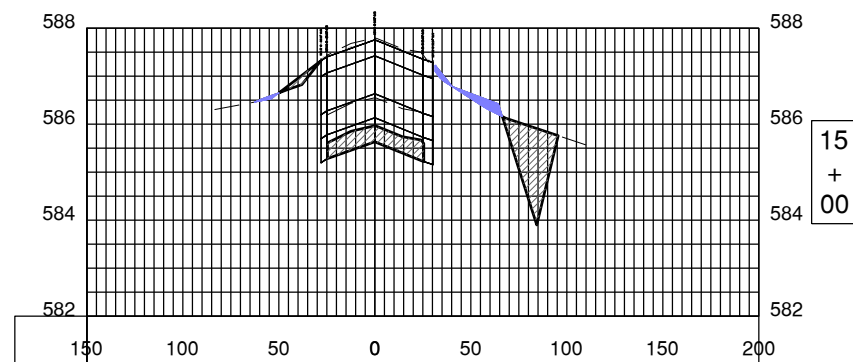
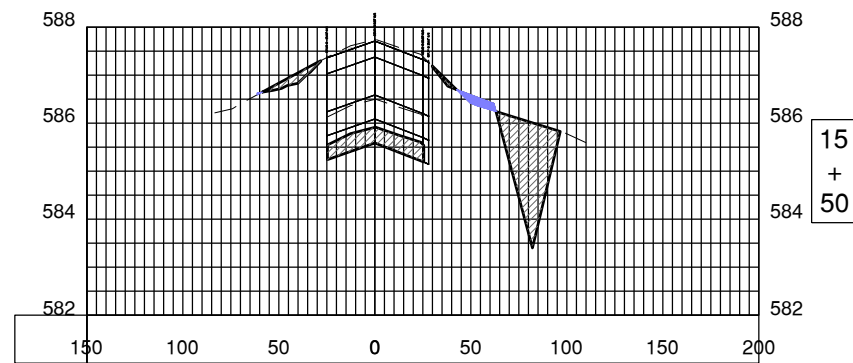
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX	CA022
IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CG600.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
APPROVED BY: APR	
COPYRIGHT:	

SHEET TITLE
TAXIWAY E CROSS SECTIONS

CG613
SHEET 94 OF 109



ARFF ROAD EARTHWORK						
ARFF RD. STATION	FILL			CUT (IN-SITU)		
	AREA (SF)	VOL (CY)	CUM VOL (CY)	AREA (SF)	VOL (CY)	CUM VOL (CY)
5+00.00	0.5	1	1	0	0	0
5+50.00	2.8	6	7	0	0	0
5+90.00	65.4	122	129	0	0	0



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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



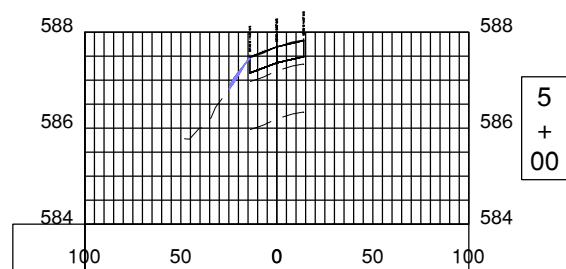
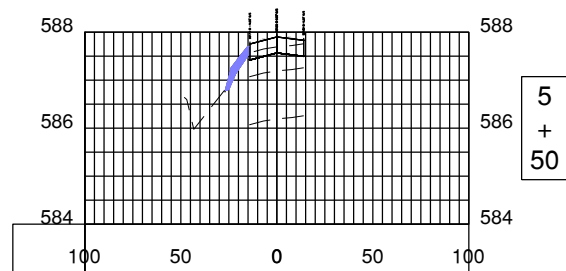
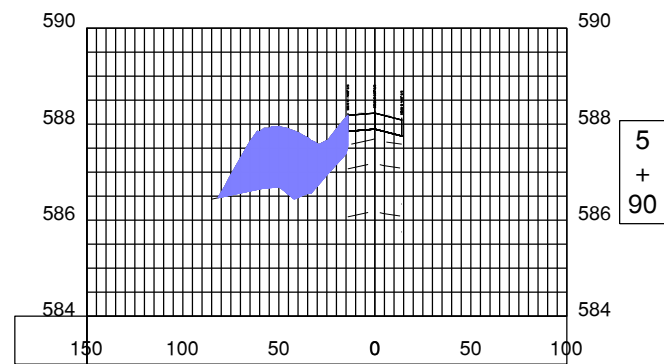
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ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CG600.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
APPROVED BY: APR	
COPYRIGHT:	

SHEET TITLE
ARFF ROAD CROSS SECTIONS

CG614
SHEET 95 OF 109





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RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK | DATE | DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CG620.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: CHK

APPROVED BY: APR

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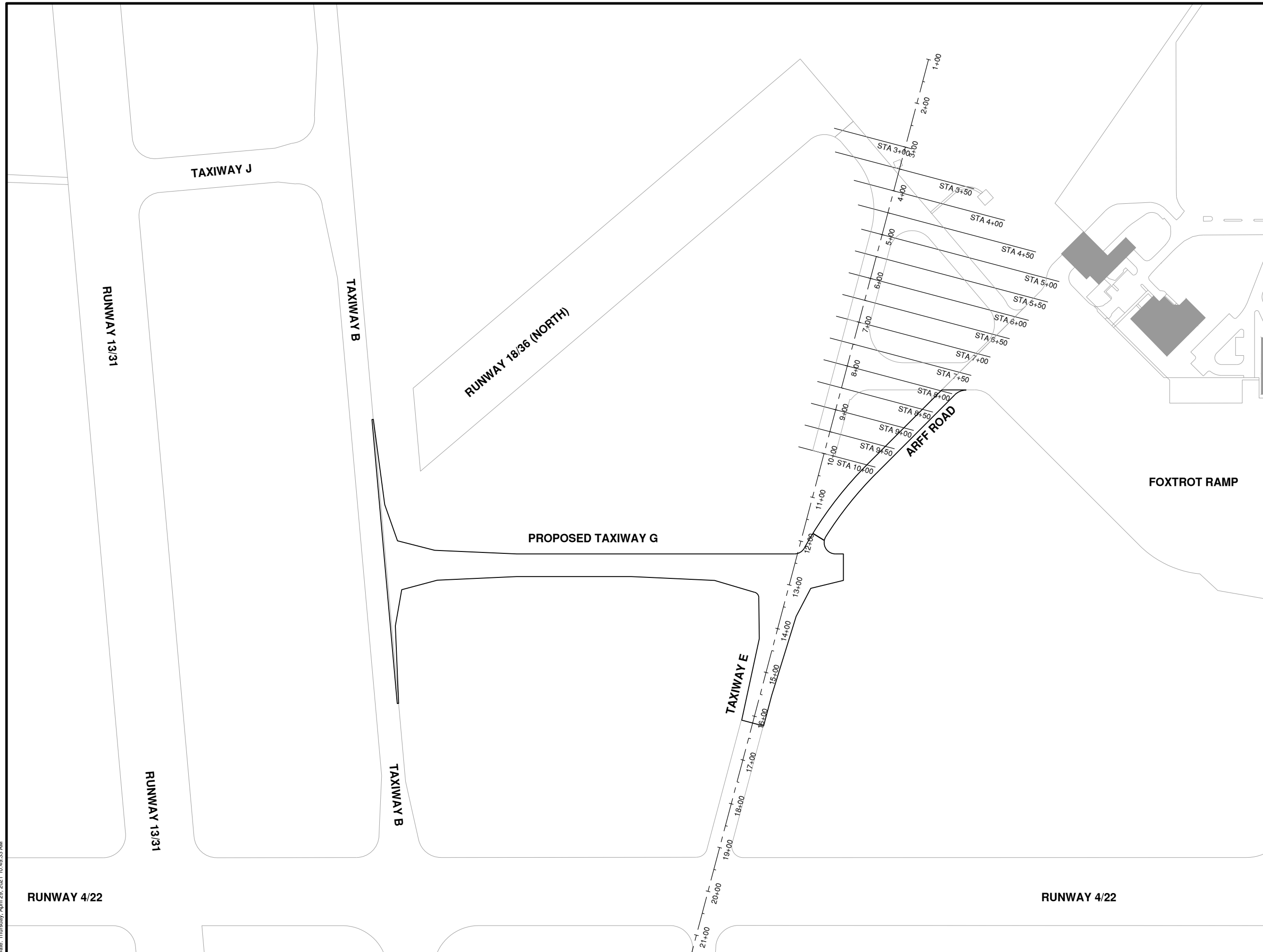
SHEET TITLE

MISCELLANEOUS REMOVALS CROSS SECTION INDEX

CG620

SHEET 96 OF 109

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License No. 184-000613

CONSULTANTS

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



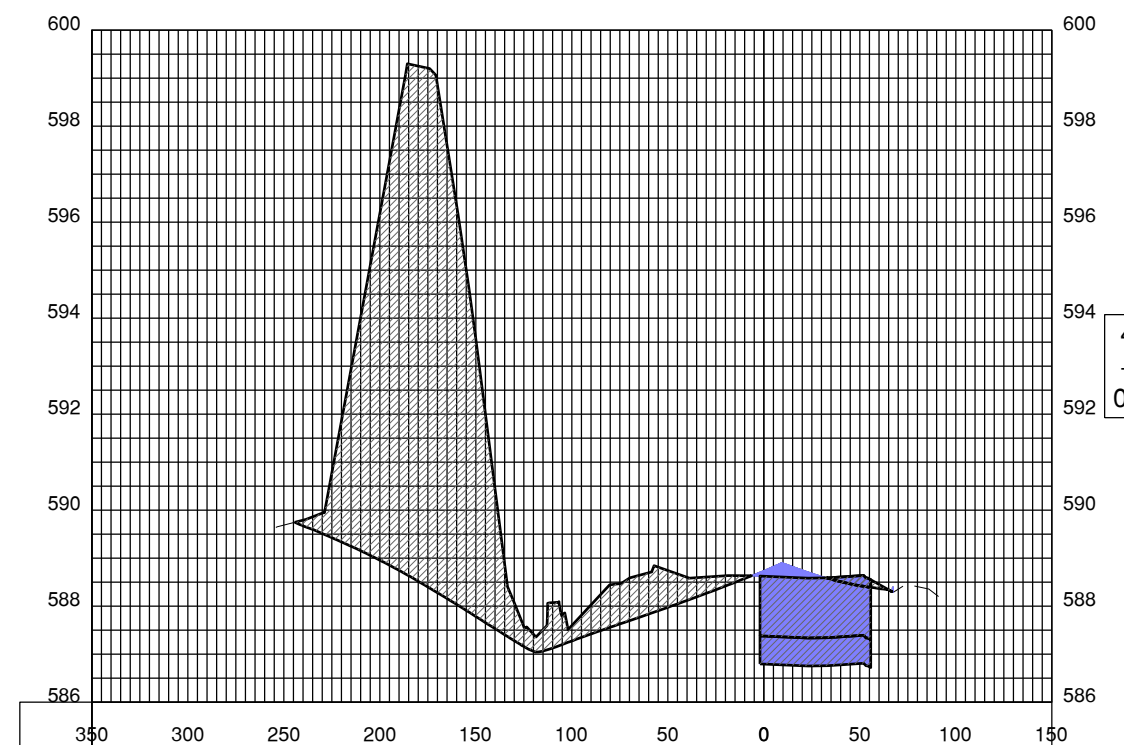
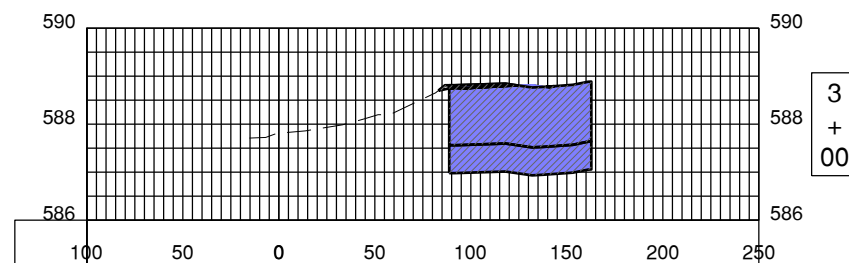
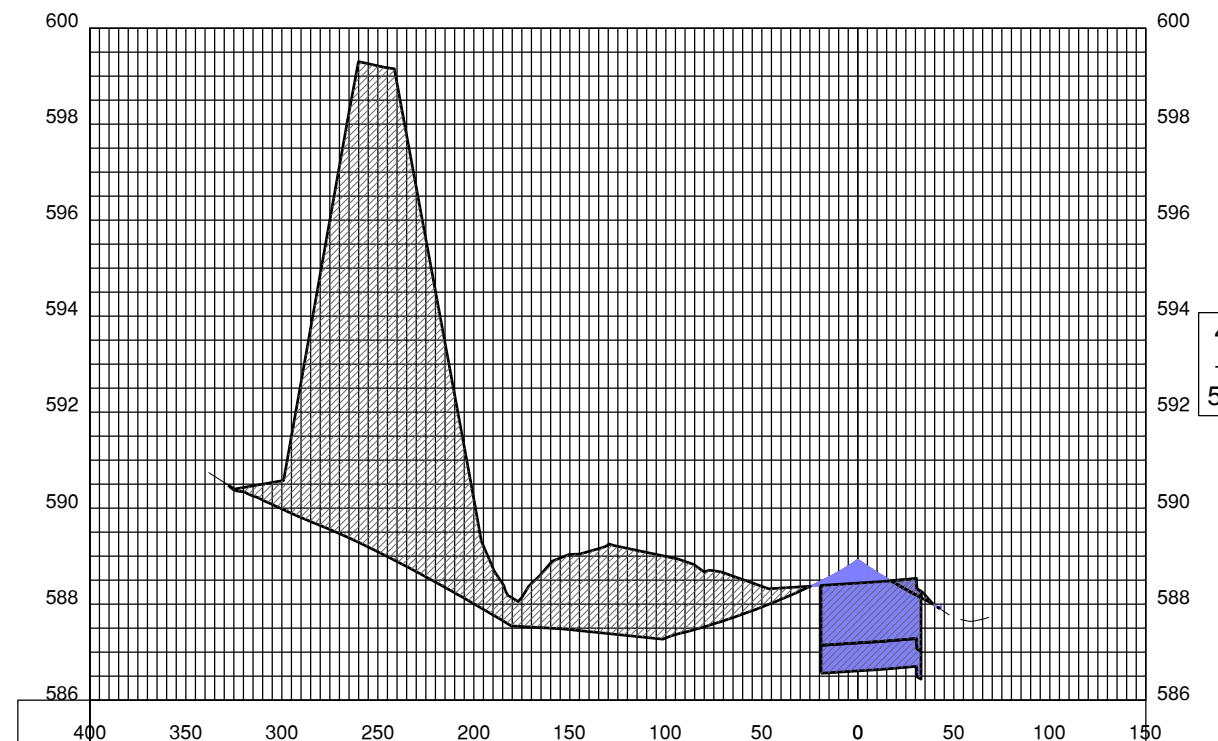
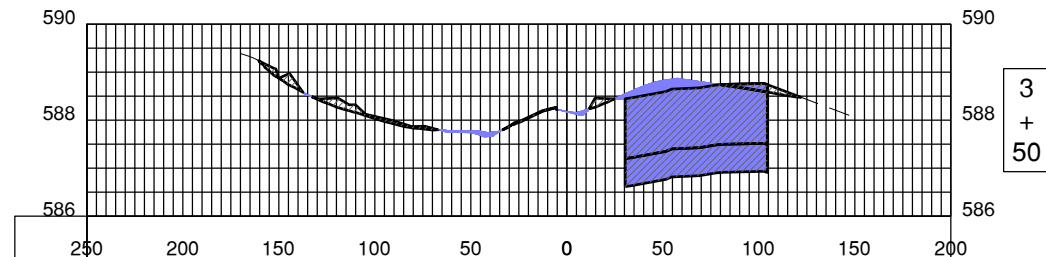
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CG620.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
APPROVED BY: APR	
COPYRIGHT:	

MISCELLANEOUS REMOVALS CROSS SECTIONS 1

CG621
SHEET 97 OF 109



License No. 184-00613

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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

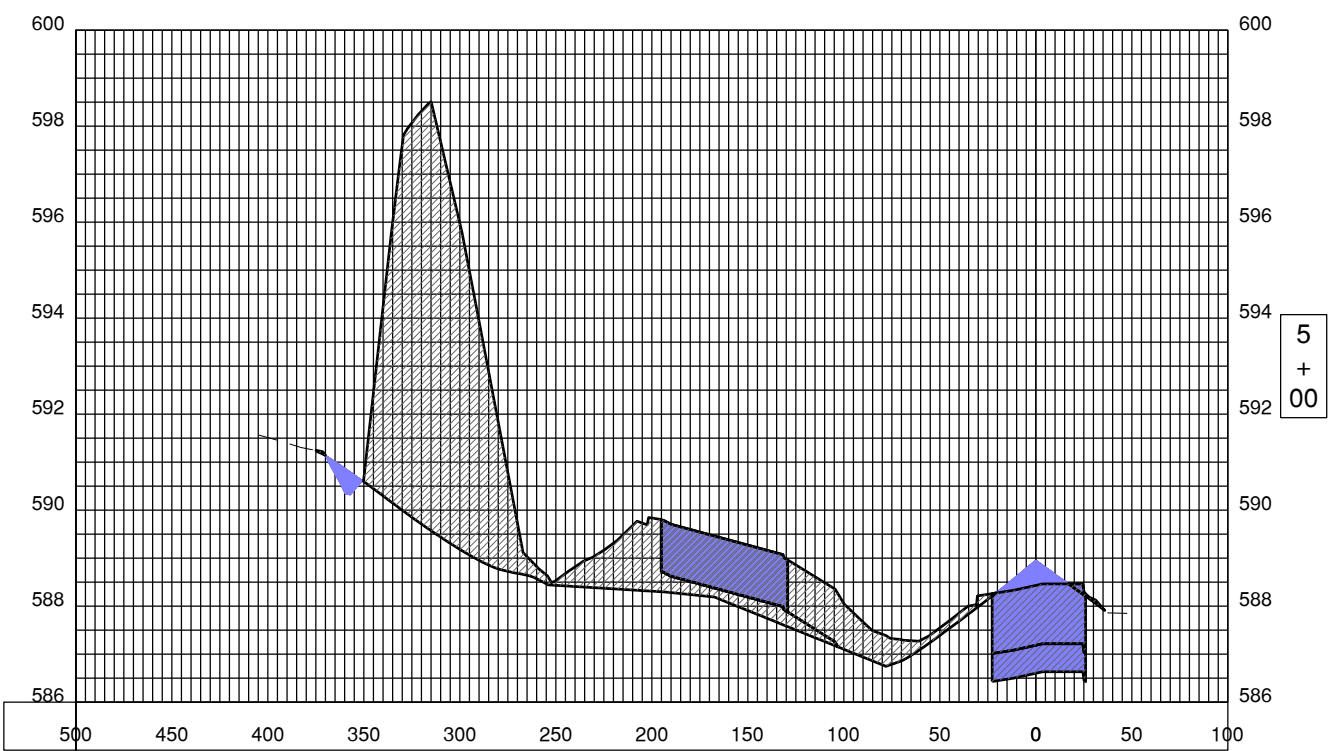
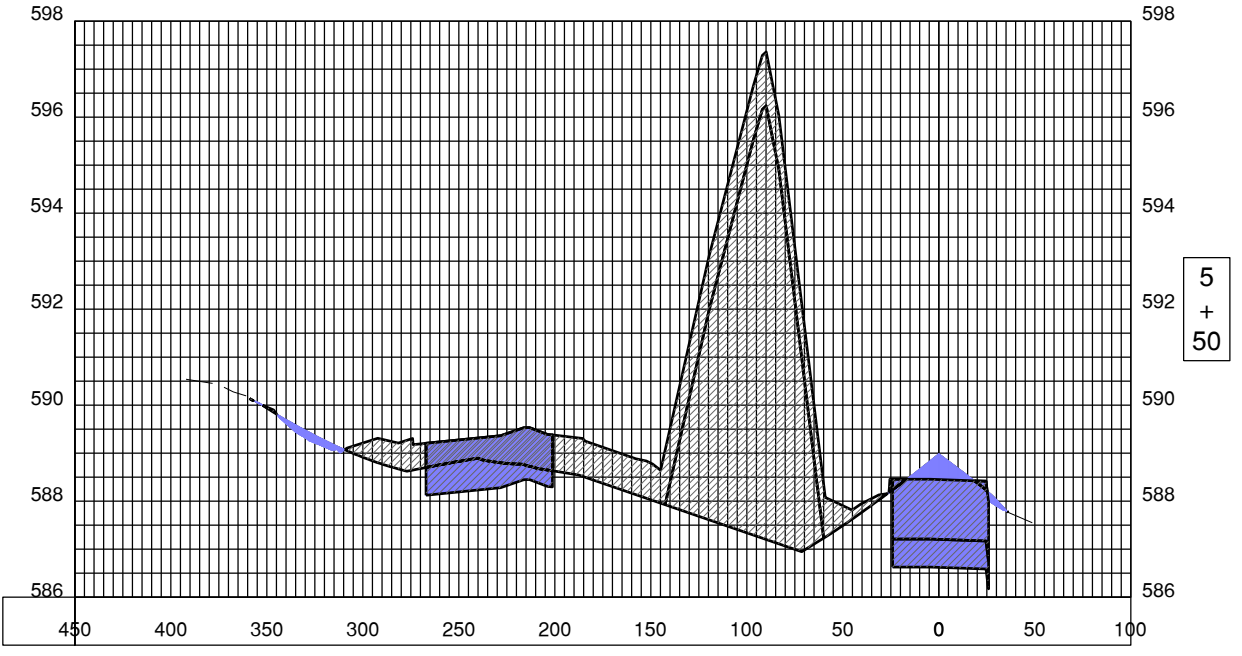


SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
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IL PROJ. NO:	SPI-4908	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH2-CG620.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	CHK	
APPROVED BY:	APR	
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MISCELLANEOUS REMOVALS CROSS SECTIONS 2

CG622





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APRIL 30, 2021

**RUNWAY 18/36 REMOVAL AND
ASSOCIATED IMPROVEMENTS,
PHASE 2**

OWNER



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

MARK	DATE	DESCRIPTION
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AIP PROJ. NO:	3-17-0096-XX	CA022
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IL PROJ. NO:	SPI-4908
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CMT PROJECT NO:	180035-05
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CAD DWG FILE:	18003505-PH2-CG620.DWG
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DESIGNED BY:	HWI
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DRAWN BY:	DPA
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CHECKED BY:	CHK
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APPROVED BY:	APR
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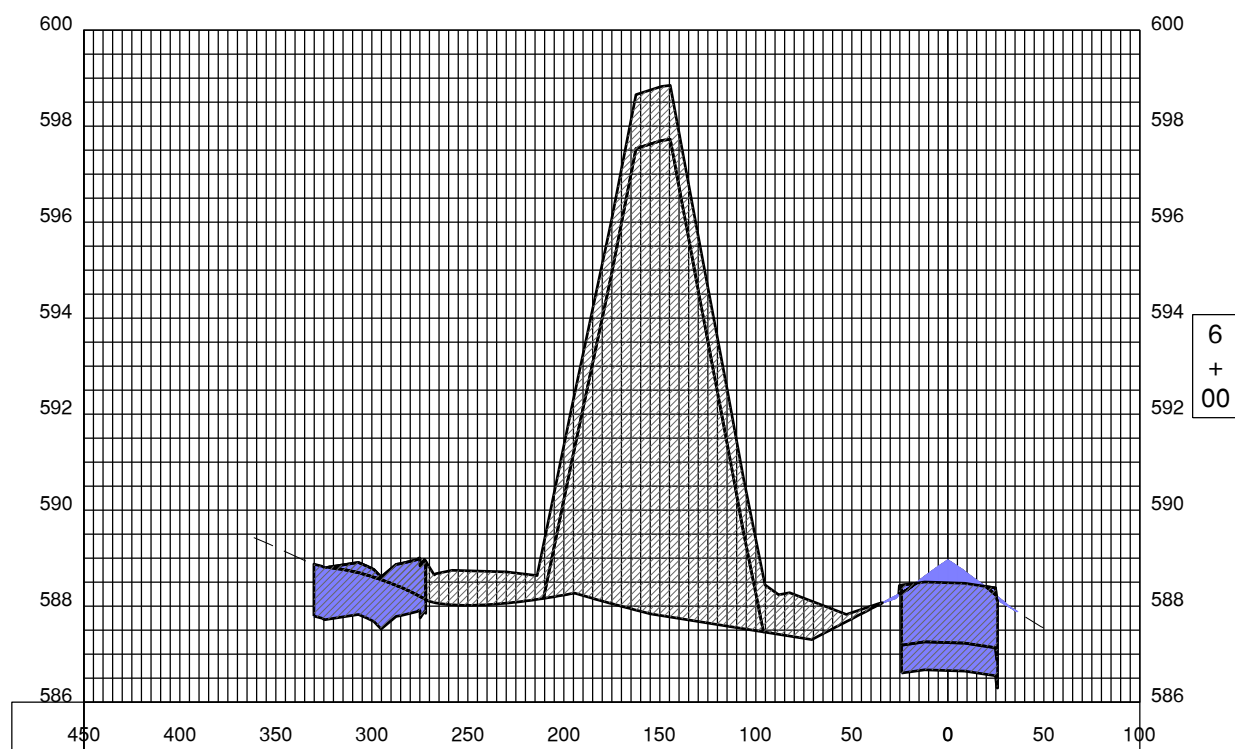
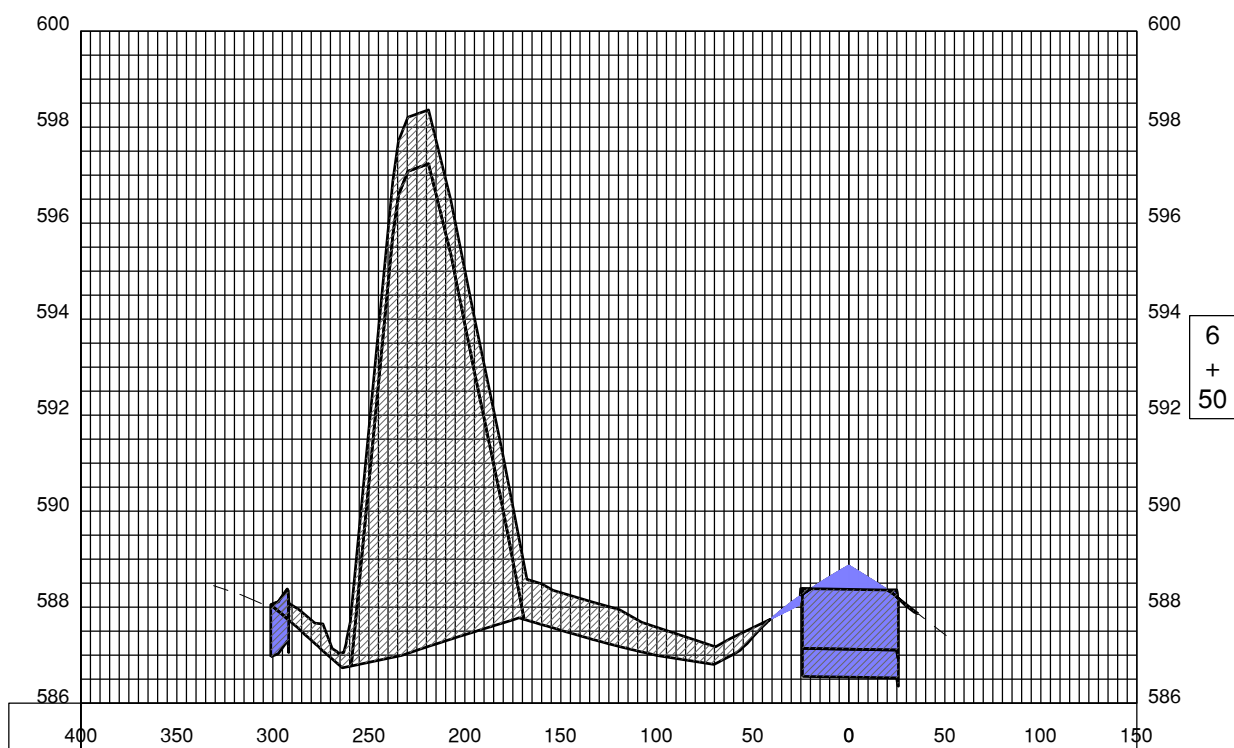
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**MISCELLANEOUS
REMOVALS CROSS
SECTIONS 3**

CG623

SHEET **99** OF **109**



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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

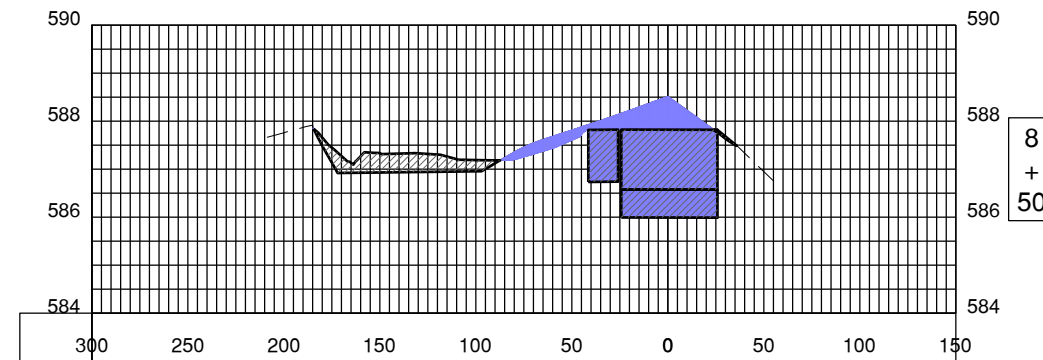
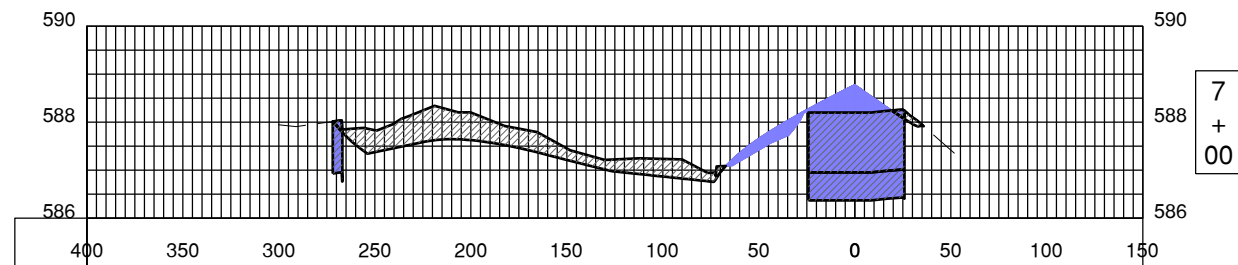
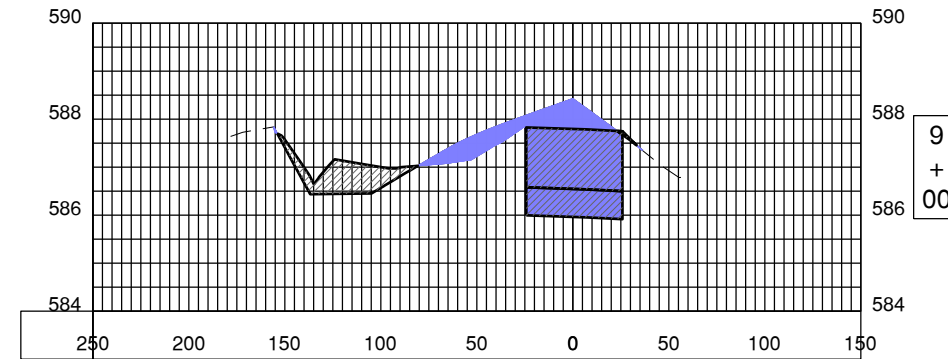
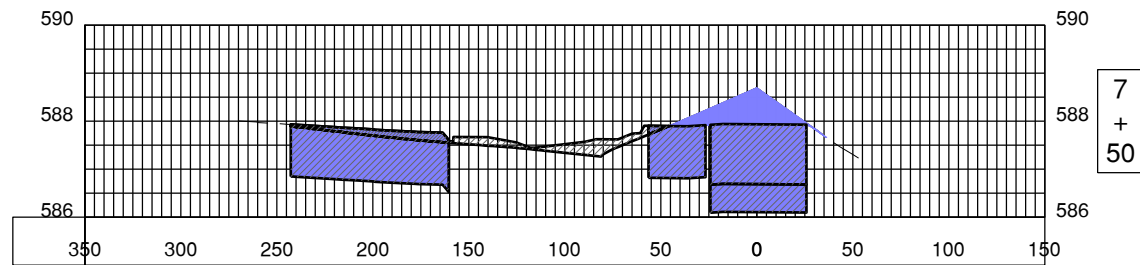
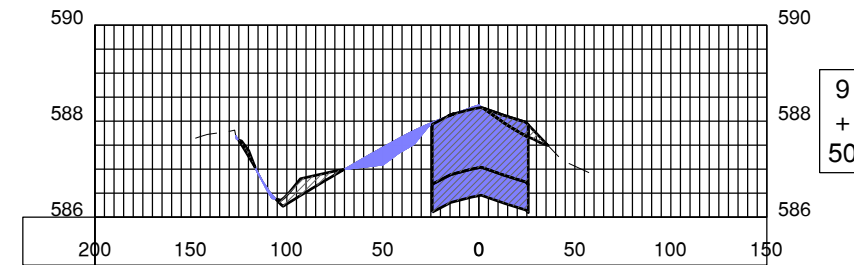
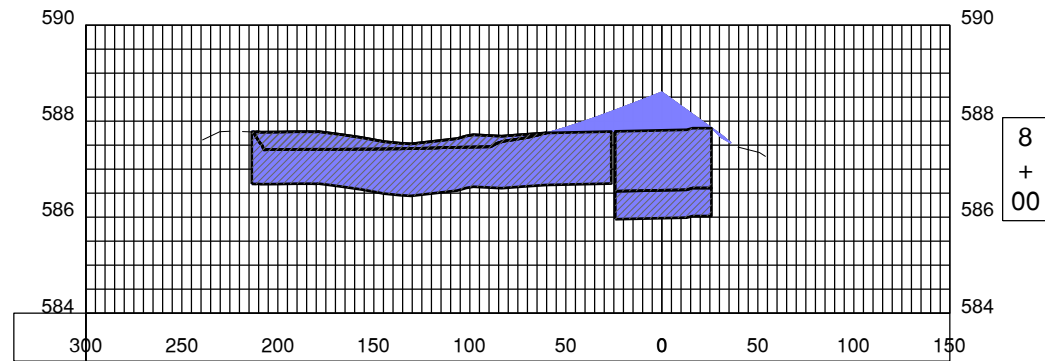


SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION
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IL PROJ. NO:	SPI-4908	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH2-CG620.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	CHK	
APPROVED BY:	APR	
COPYRIGHT:		

MISCELLANEOUS REMOVALS CROSS SECTIONS 4

CG624
SHEET 100 OF 109



MISCELLANEOUS REMOVALS EARTHWORK						
STATION	FILL			CUT (IN-SITU)		
	AREA (SF)	VOL (CY)	CUM VOL (CY)	AREA (SF)	VOL (CY)	CUM VOL (CY)
3+00.00	139.9	260	260	2.3	5	5
3+50.00	150.2	279	539	12.9	24	29
4+00.00	114.7	213	752	729.3	1351	1380
4+50.00	108.3	201	953	891.5	1651	3031
5+00.00	181.1	336	1289	674.5	1250	4281
5+50.00	183	339	1628	627.3	1162	5443
6+00.00	168.6	313	1941	882.2	1634	7077
6+50.00	116.9	217	2158	751.3	1392	8469
7+00.00	123.6	229	2387	82.8	154	8623
7+50.00	247.5	459	2846	28.6	53	8676
8+00.00	337.5	625	3471	33.3	62	8738
8+50.00	146	271	3742	30.3	57	8795
9+00.00	131.4	244	3986	29.6	55	8850
9+50.00	106.2	197	4183	12.5	24	8874
10+00.00	170.6	316	4499	1.2	3	8877



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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX CA022

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CG620.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: CHK

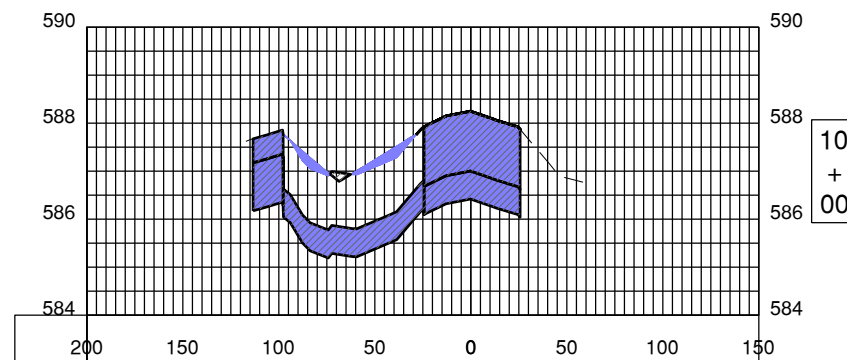
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SHEET TITLE

MISCELLANEOUS REMOVALS CROSS SECTIONS 5

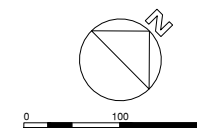
CG625
SHEET 101 OF 109





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APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



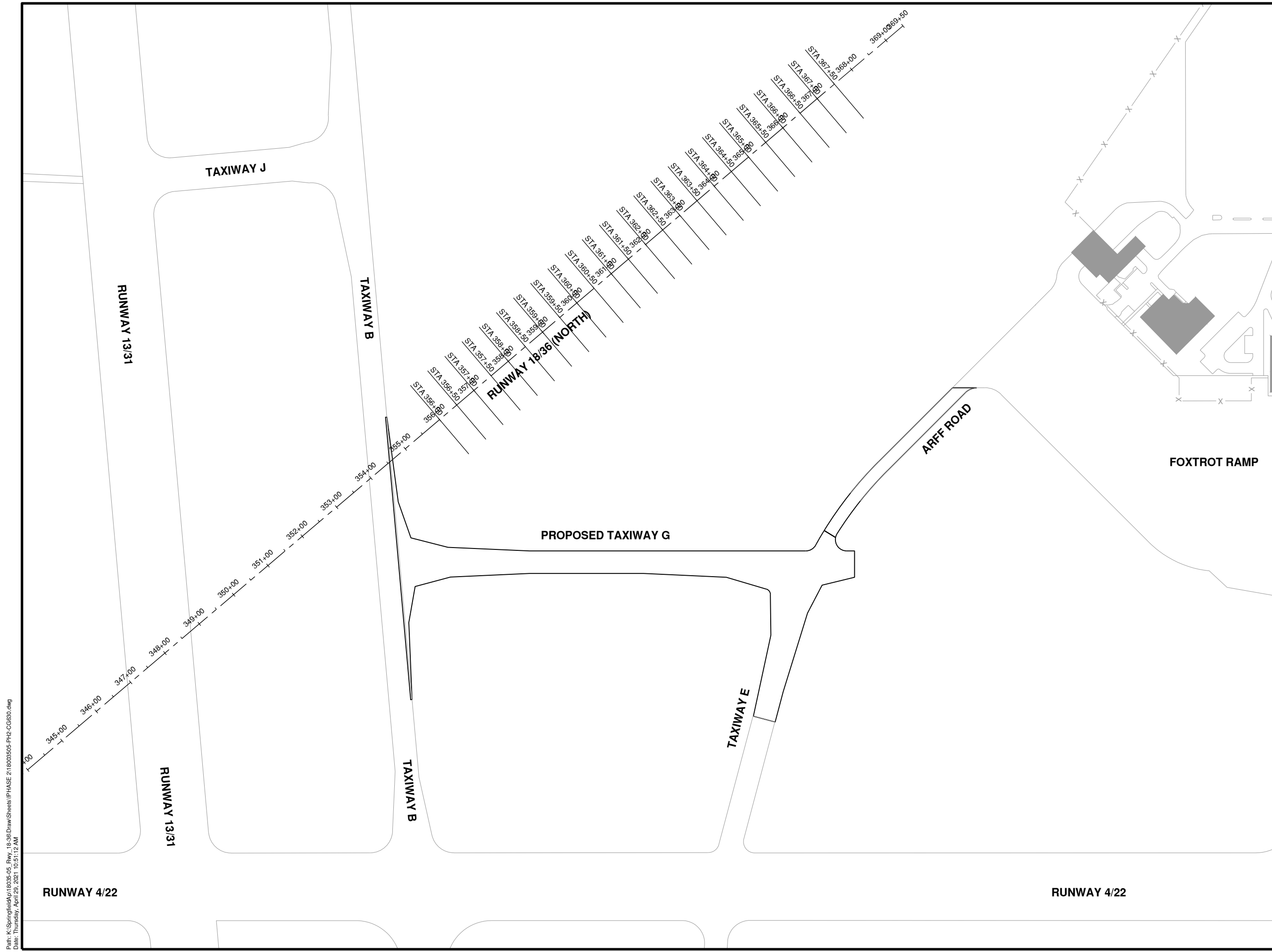
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK | DATE | DESCRIPTION

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IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
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DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
APPROVED BY: APR	
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SHEET TITLE 18-36 NORTH CROSS SECTION REMOVALS

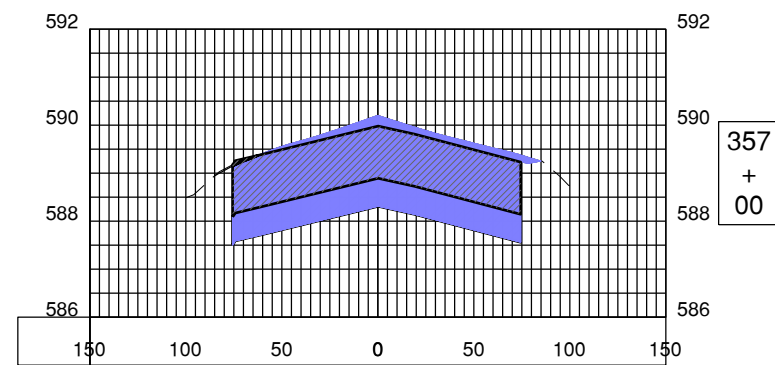
CG630
SHEET 102 OF 109



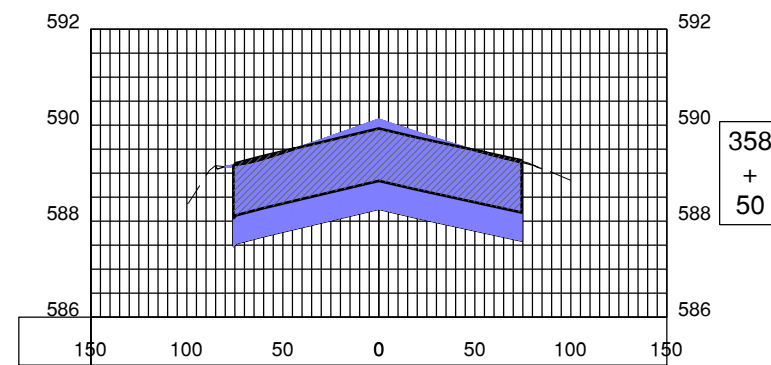
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RUNWAY 4/22

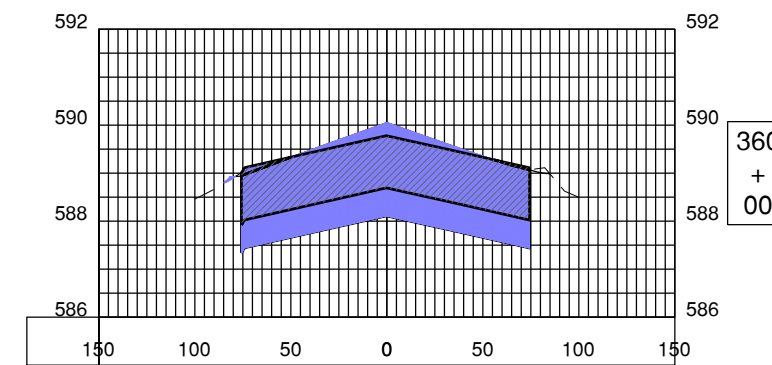
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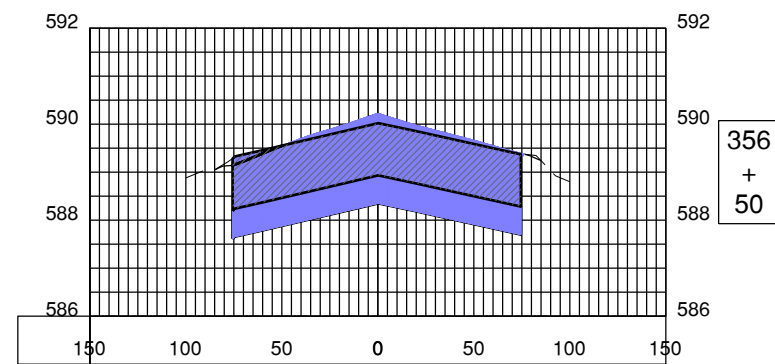
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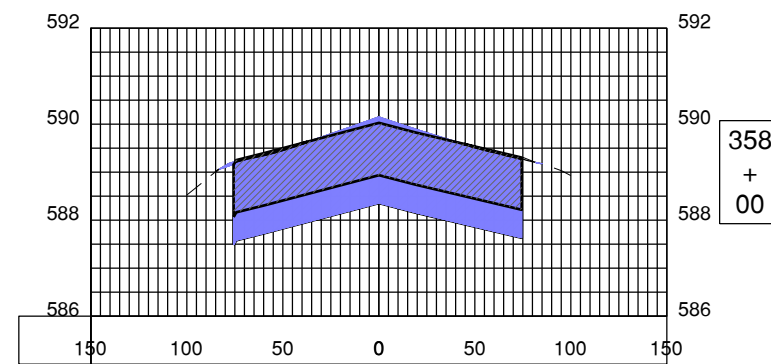
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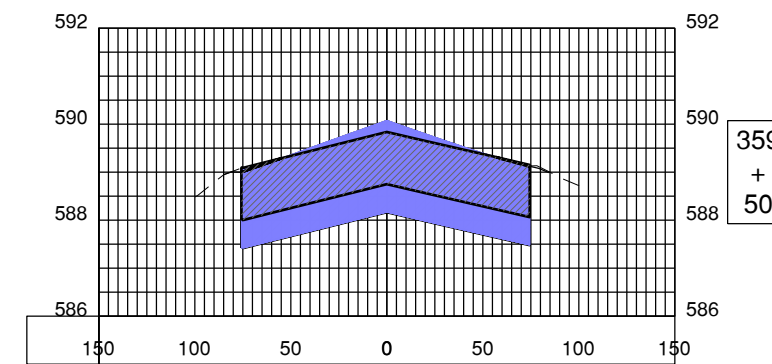
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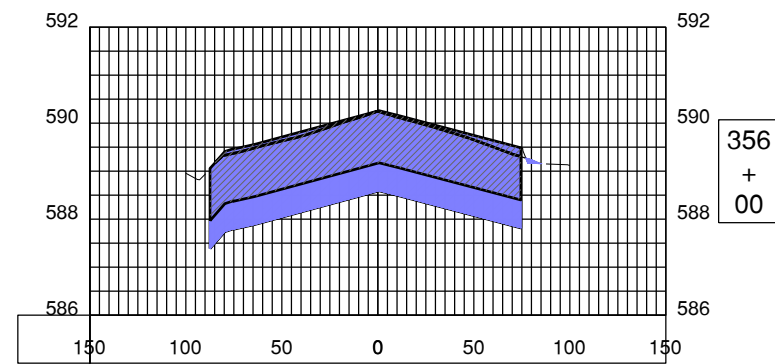
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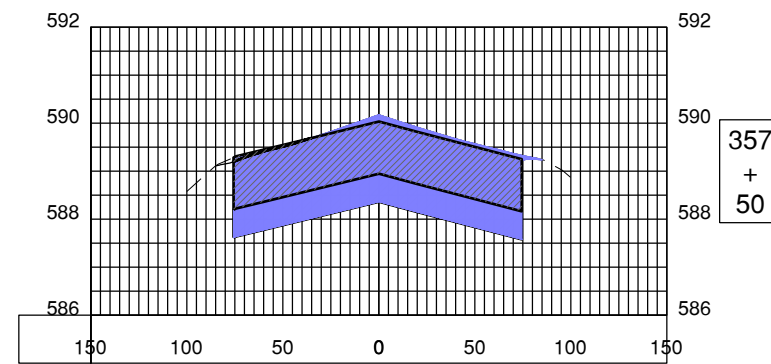
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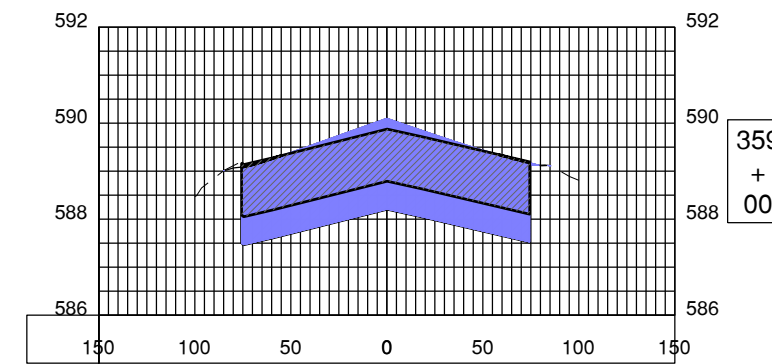
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356
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357
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359
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APRIL 30, 2021

**RUNWAY 18/36 REMOVAL AND
ASSOCIATED IMPROVEMENTS,
PHASE 2**

OWNER



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

MARK	DATE	DESCRIPTION
AIP PROJ. NO:	3-17-0096-XX	CA022
IL PROJ. NO:	SPI-4908	
CMT PROJECT NO:	180035-05	
CAD DWG FILE:	18003505-PH2-CG630.DWG	
DESIGNED BY:	HWI	
DRAWN BY:	DPA	
CHECKED BY:	CHK	
APPROVED BY:	APR	
COPYRIGHT:		

**18-36 NORTH
REMOVAL CROSS
SECTIONS 1**

CG631

APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER

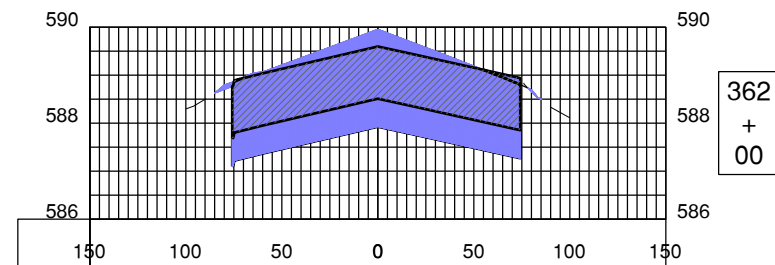


SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

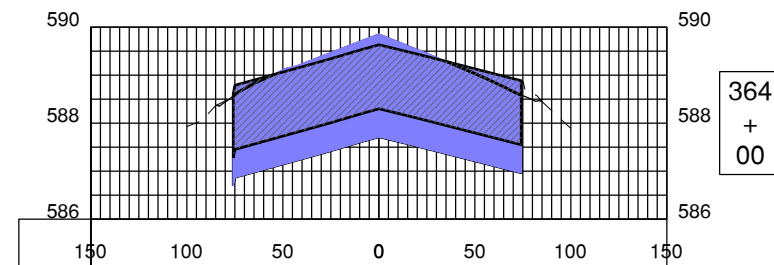
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IL PROJ. NO: SPI-4908		
CMT PROJECT NO: 180035-05		
CAD DWG FILE: 18003505-PH2-CG630.DWG		
DESIGNED BY: HWI		
DRAWN BY: DPA		
CHECKED BY: CHK		
APPROVED BY: APR		
COPYRIGHT:		

SHEET TITLE
18-36 NORTH REMOVAL CROSS SECTIONS 2

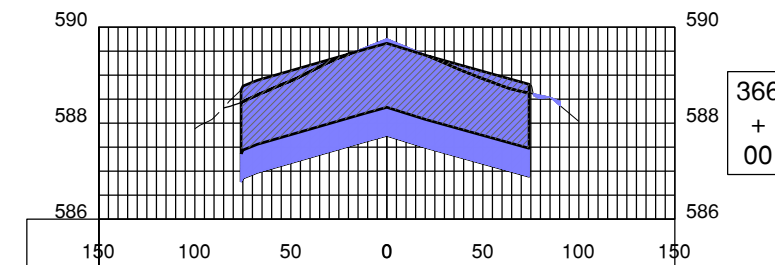
CG632
SHEET 104 OF 109



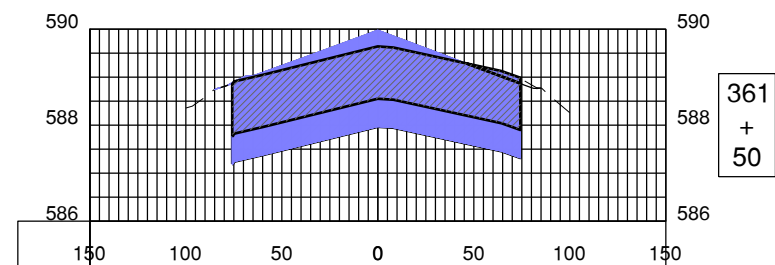
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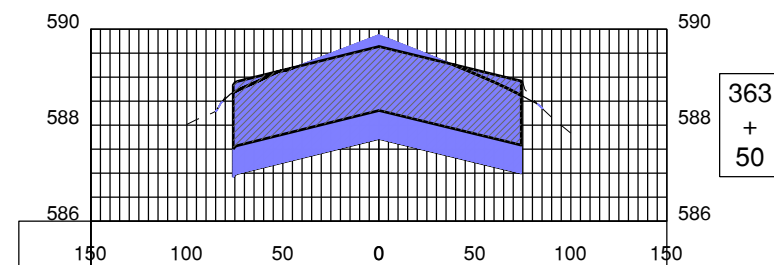
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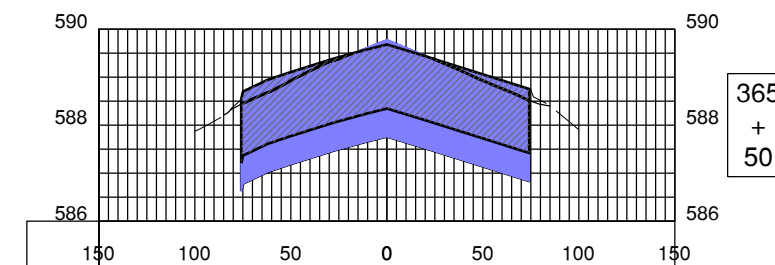
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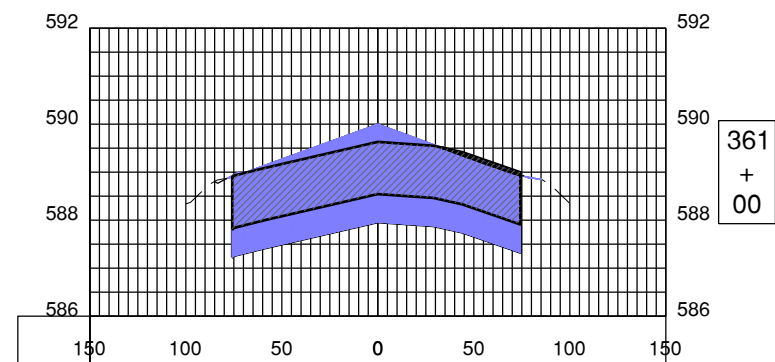
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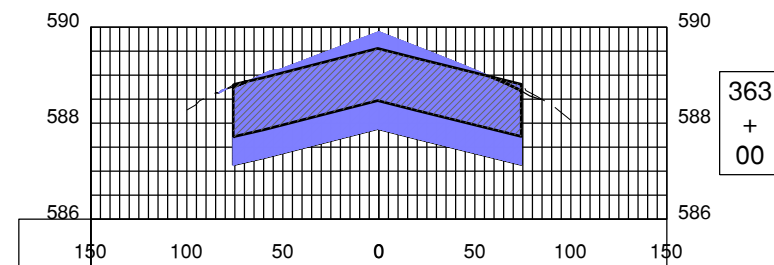
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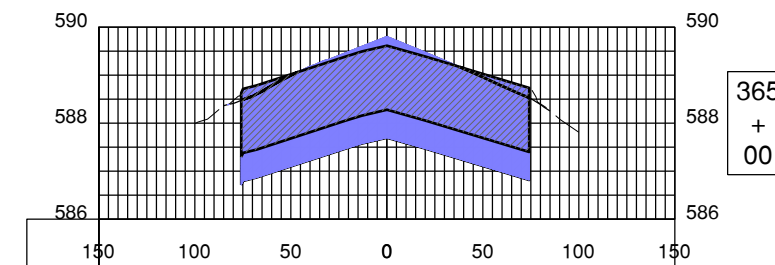
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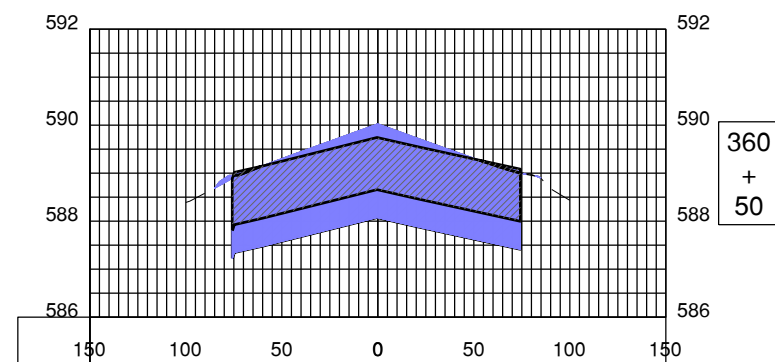
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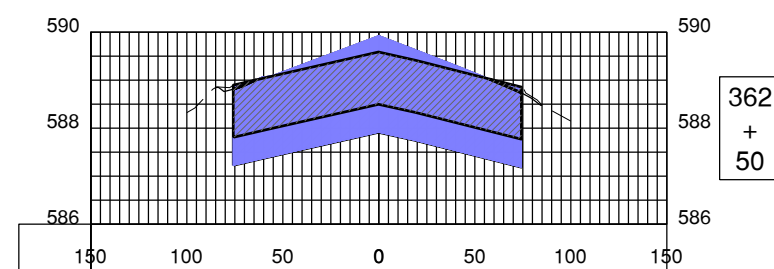
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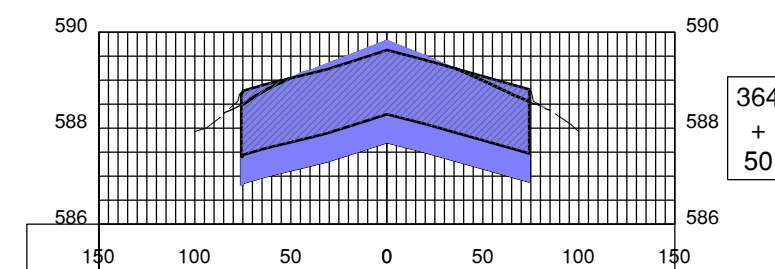
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362
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364
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RUNWAY 18/36 NORTH REMOVALS EARTHWORK						
RWY 1836 STATION	FILL			CUT (IN-SITU)		
	AREA (SF)	VOL (CY)	CUM VOL (CY)	AREA (SF)	VOL (CY)	CUM VOL (CY)
356+00.00	278.9	517	517	0	0	0
356+50.00	271.5	503	1020	0	0	0
357+00.00	277.8	515	1535	0	0	0
357+50.00	267.6	496	2031	0	0	0
358+00.00	263.6	489	2520	0	0	0
358+50.00	267.6	496	3016	0	0	0
359+00.00	270.1	501	3517	0	0	0
359+50.00	271.5	503	4020	0	0	0
360+00.00	272.9	506	4526	0	0	0
360+50.00	275.4	510	5036	0	0	0
361+00.00	277.6	515	5551	0	0	0
361+50.00	277.7	515	6066	0	0	0
362+00.00	281.2	521	6587	0	0	0
362+50.00	278.2	516	7103	0	0	0
363+00.00	281.7	522	7625	0	0	0
363+50.00	306.5	568	8193	0	0	0
364+00.00	306.8	569	8762	0	0	0
364+50.00	306.2	568	9330	0	0	0
365+00.00	303.9	563	9893	0	0	0
365+50.00	298.3	553	10446	0	0	0
366+00.00	298.7	554	11000	0	0	0
366+50.00	297	550	11550	0	0	0
367+00.00	342.1	634	12184	0	0	0
367+50.00	0	0	12184	0	0	0



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RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

OWNER



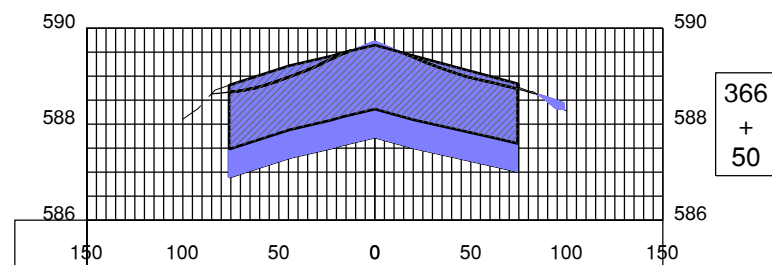
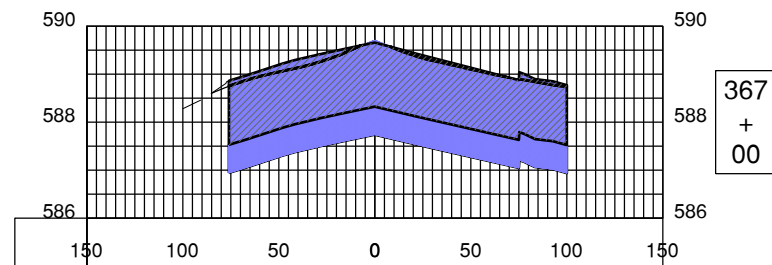
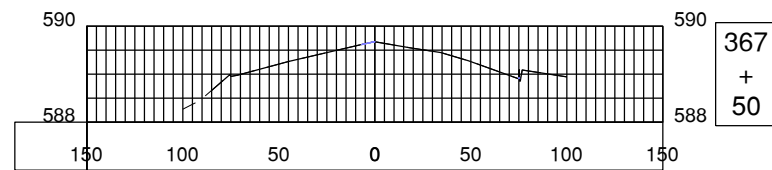
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ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CG630.DWG	
DESIGNED BY: HWI	
DRAWN BY: DPA	
CHECKED BY: CHK	
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18-36 NORTH REMOVAL CROSS SECTIONS 3

CG633
SHEET 105 OF 109





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SPRINGFIELD, IL

MARK | DATE | DESCRIPTION

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IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

CAD DWG FILE: 18003505-PH2-CG640.DWG

DESIGNED BY: HWI

DRAWN BY: DPA

CHECKED BY: CHK

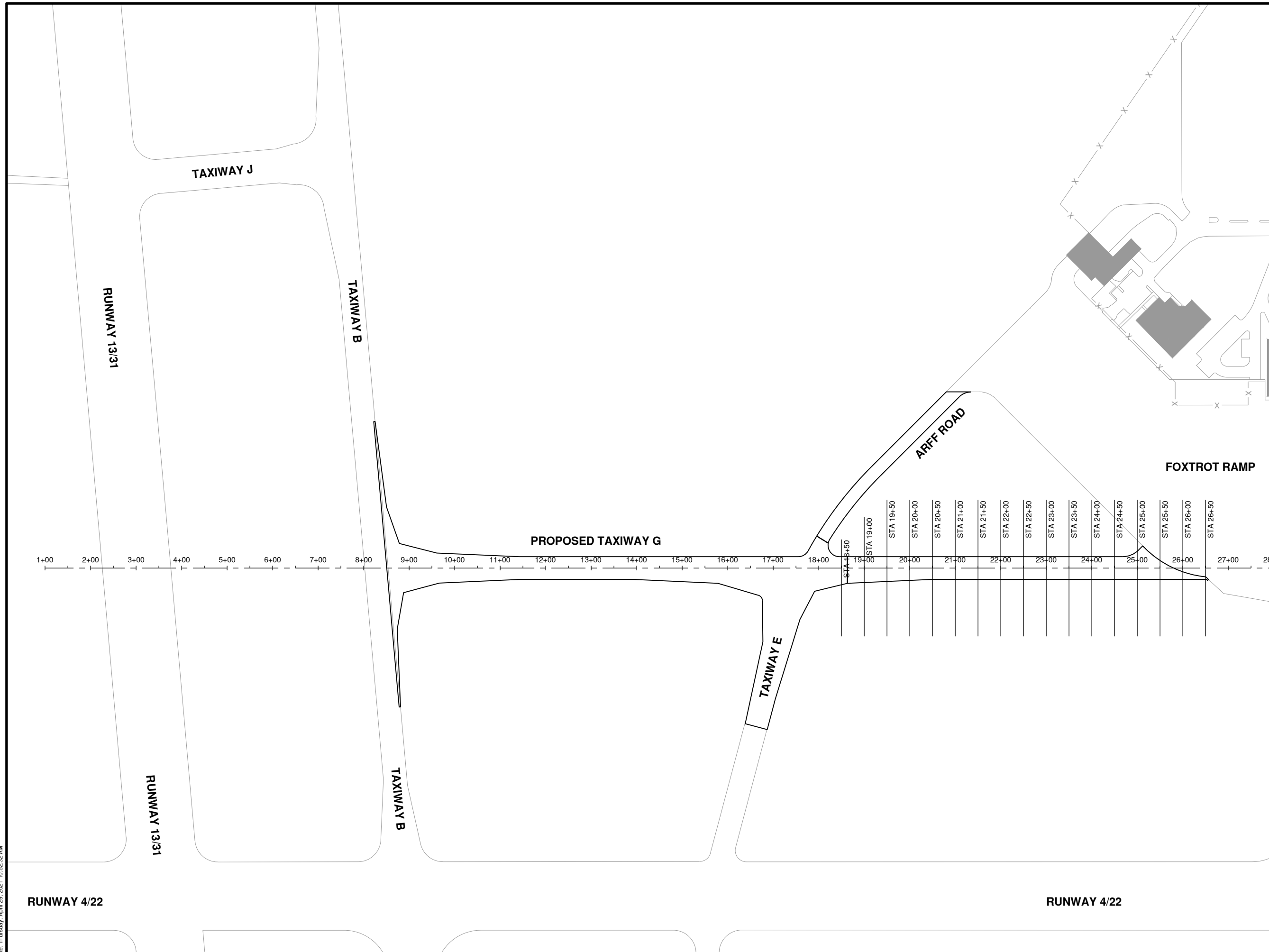
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SHEET TITLE

TAXIWAY G EAST
CROSS SECTION
INDEX

CG640
SHEET 106 OF 109



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 SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

AIP PROJ. NO: 3-17-0096-XX **CA022**

IL PROJ. NO: SPI-4908

CMT PROJECT NO: 180035-05

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DESIGNED BY: HWI

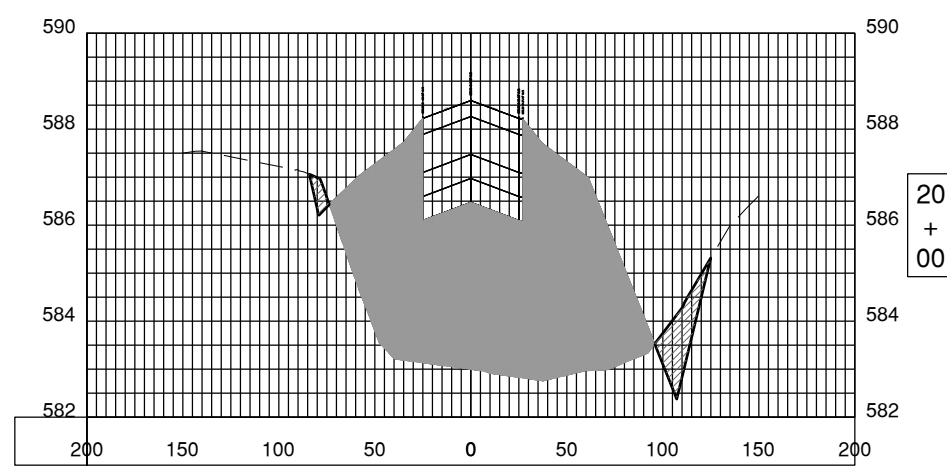
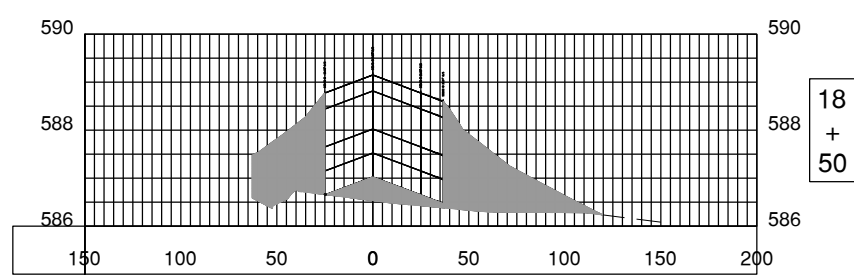
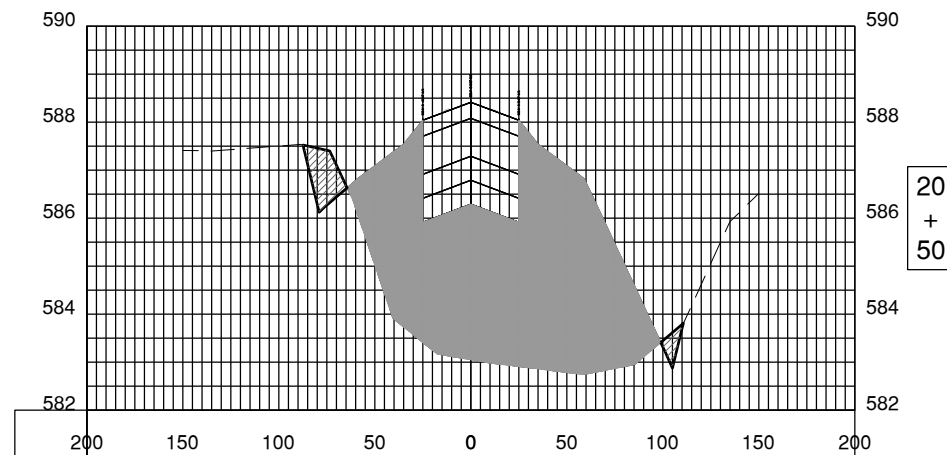
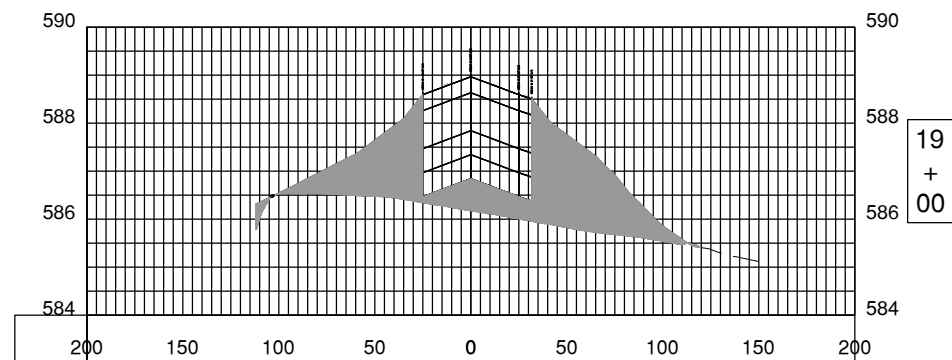
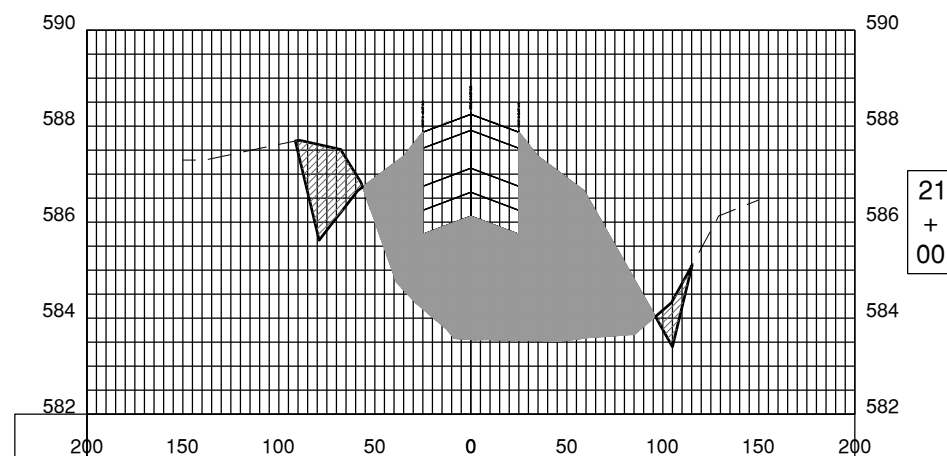
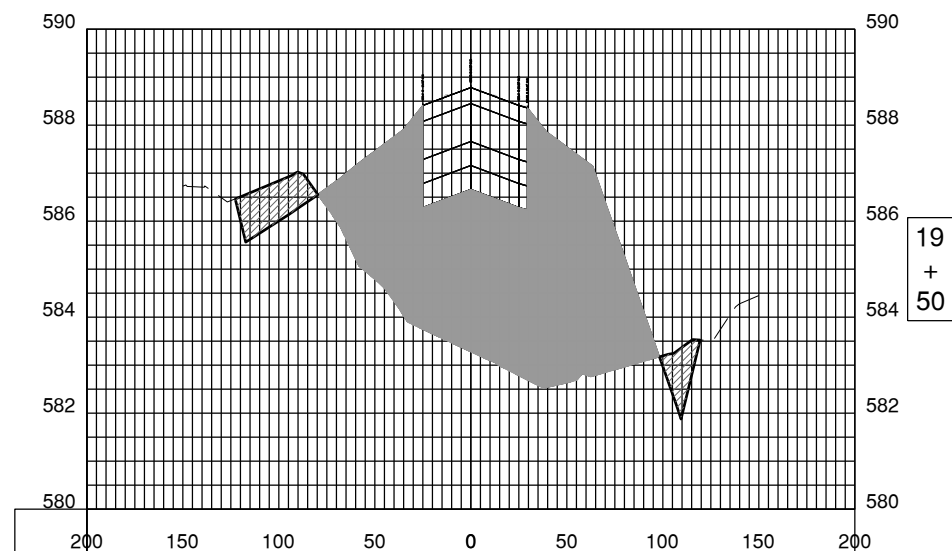
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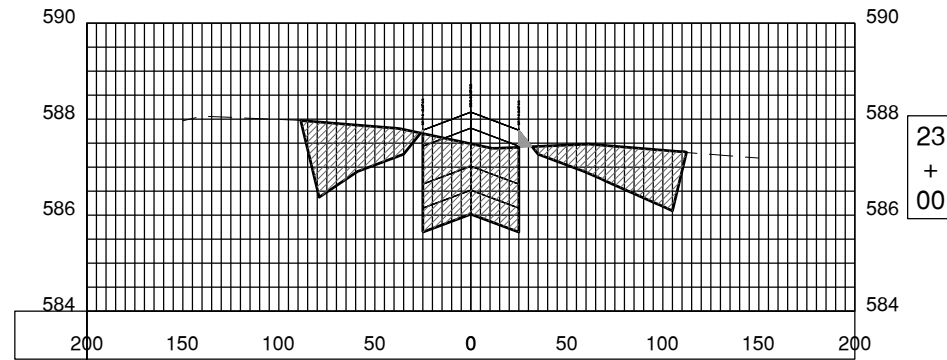
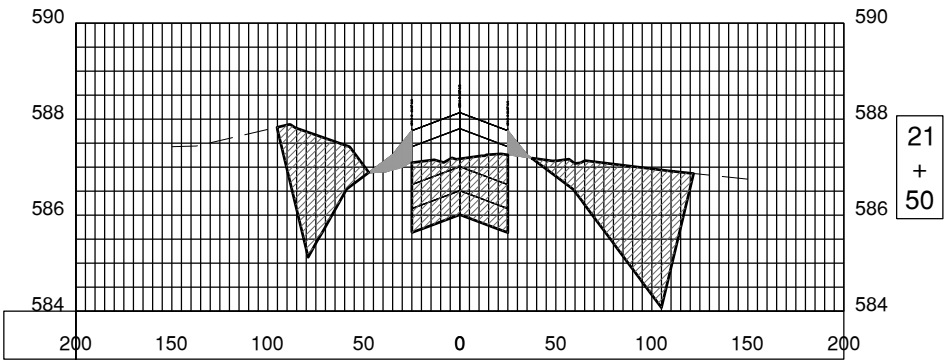
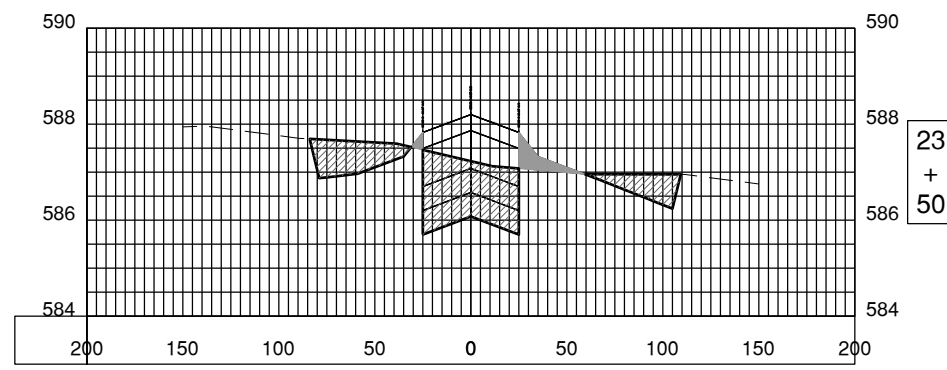
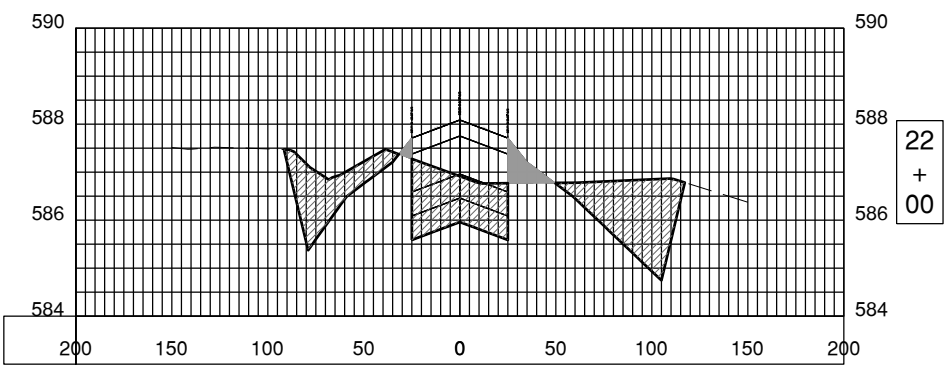
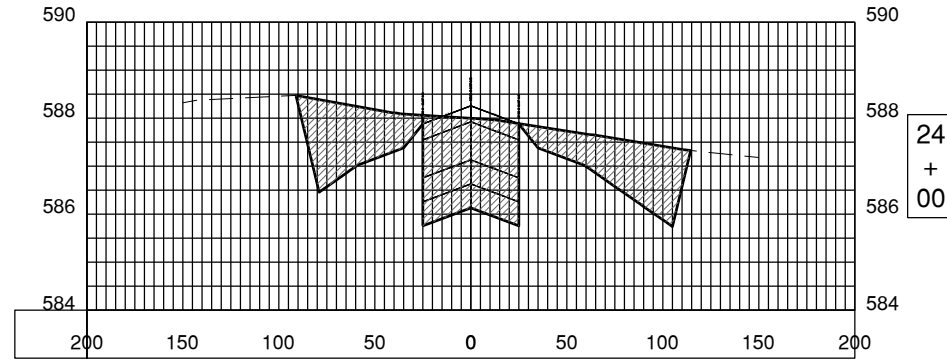
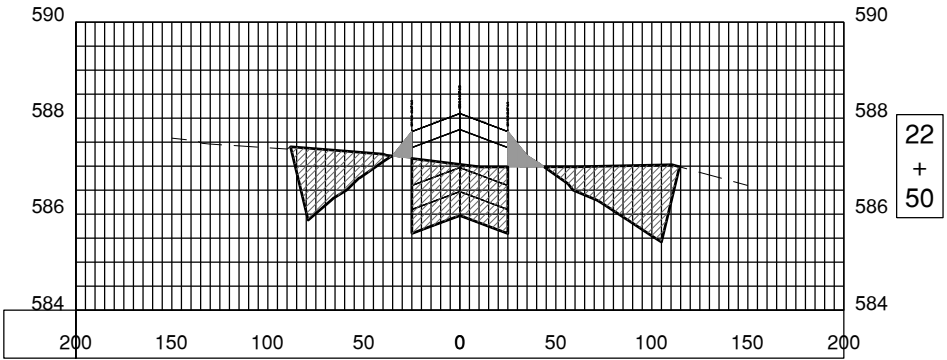
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**TAXIWAY G EAST
 CROSS SECTIONS 1**





APRIL 30, 2021

RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

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SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

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AIP PROJ. NO: 3-17-0096-XX	CA022
IL PROJ. NO: SPI-4908	
CMT PROJECT NO: 180035-05	
CAD DWG FILE: 18003505-PH2-CG640.DWG	
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TAXIWAY G EAST CROSS SECTIONS 2

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TX Y G STATION	TAXIWAY G EAST EARTHWORK					
	FILL			CUT (IN-SITU)		
	AREA (SF)	VOL (CY)	CUM VOL (CY)	AREA (SF)	VOL (CY)	CUM VOL (CY)
18+50.00	150.1	278	278	0	0	0
19+00.00	204.6	379	657	0	0	0
19+50.00	572.7	1061	1718	47.8	89	89
20+00.00	574.1	1064	2782	30.5	57	146
20+50.00	509.8	945	3727	22	41	187
21+00.00	374.7	694	4421	48.9	91	278
21+50.00	10.4	20	4441	248.2	460	738
22+00.00	11.9	23	4464	176.2	327	1065
22+50.00	9.1	17	4481	163.6	303	1368
23+00.00	1.3	3	4484	197.7	367	1735
23+50.00	10	19	4503	117.2	218	1953
24+00.00	0	0	4503	256.6	476	2429
24+50.00	2.1	4	4507	199.7	370	2799
25+00.00	0.1	1	4508	252.8	469	3268
25+50.00	6.1	12	4520	118.2	219	3487
26+00.00	0.2	1	4521	90.1	167	3654
26+50.00	10.5	20	4541	17.5	33	3687



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RUNWAY 18/36 REMOVAL AND ASSOCIATED IMPROVEMENTS, PHASE 2

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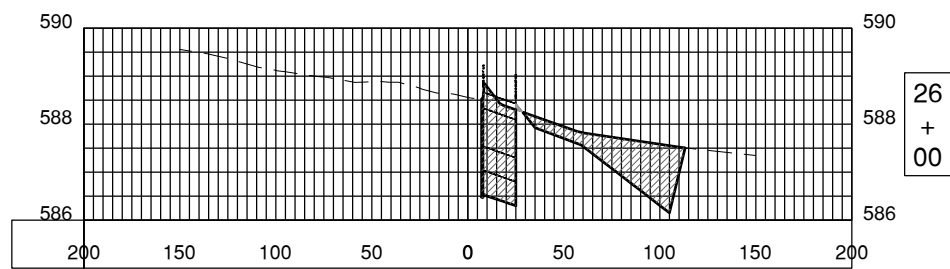
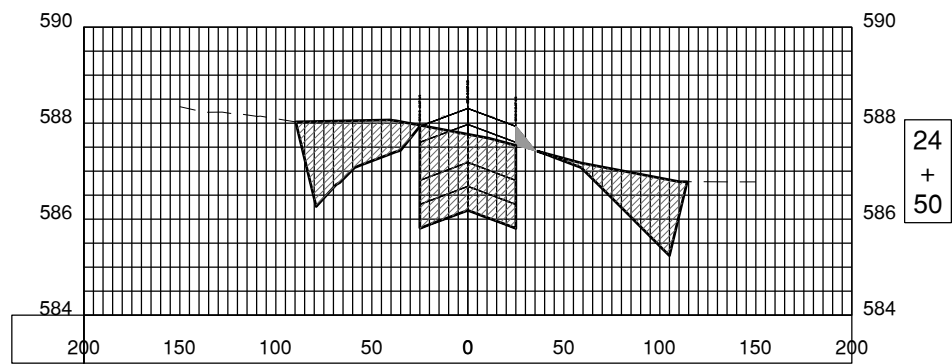
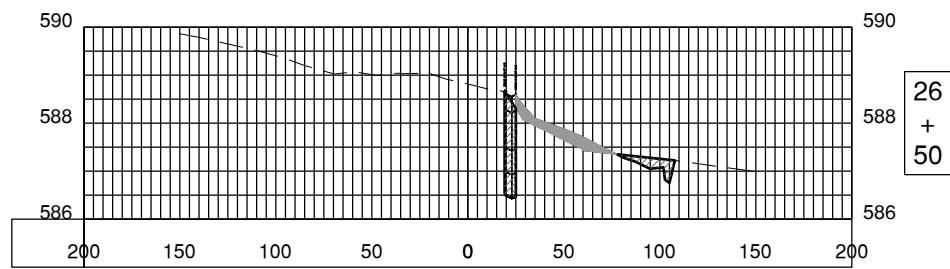
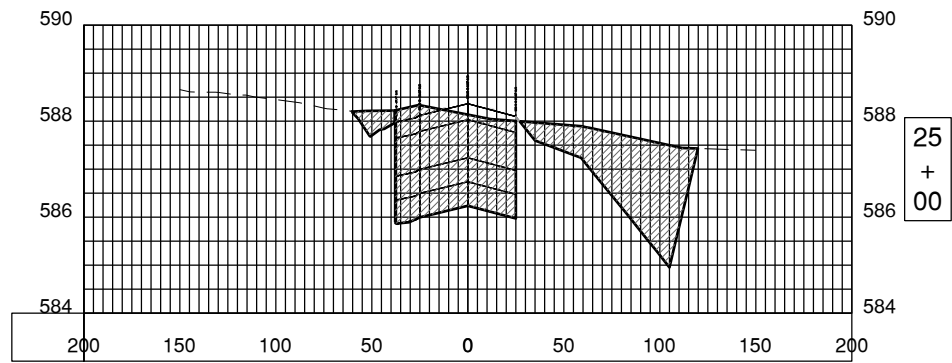
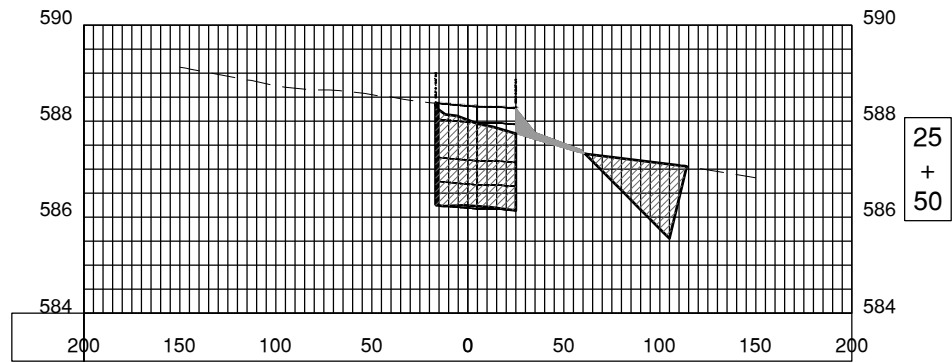
SPRINGFIELD AIRPORT AUTHORITY
ABRAHAM LINCOLN CAPITAL AIRPORT
SPRINGFIELD, IL

MARK	DATE	DESCRIPTION

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IL PROJ. NO: SPI-4908	
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CAD DWG FILE: 18003505-PH2-CG640.DWG	
DESIGNED BY: HWI	
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SHEET TITLE
**TAXIWAY G EAST
CROSS SECTIONS 3**

CG643
SHEET 109 OF 109



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